



Portland Pipe Line Corporation

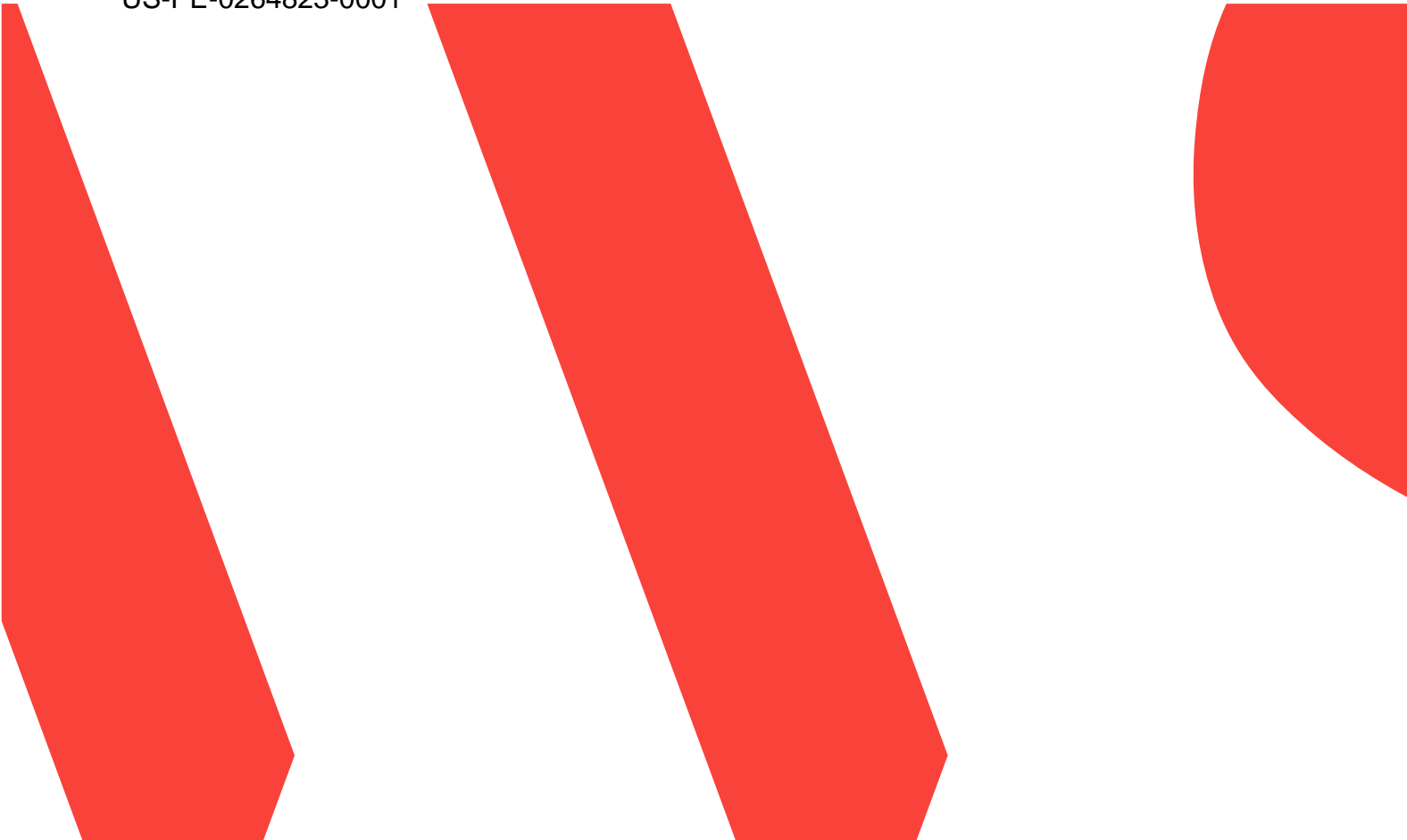
**Chapter 171: Control of Petroleum  
Storage Facilities Fenceline  
Monitoring**

Quarterly Report: 2025 Quarter 4

30 Hill Street  
South Portland, Maine 04106

2026-02-09

US-PE-0264823-0001



Sample Code	Benzene		Ethylbenzene		Xylene (m/p)		Xylene (o)		Toluene	
	Conc. (µg/m <sup>3</sup> )	Flag	Conc. (µg/m <sup>3</sup> )	Flag	Conc. (µg/m <sup>3</sup> )	Flag	Conc. (µg/m <sup>3</sup> )	Flag	Conc. (µg/m <sup>3</sup> )	Flag
PPSP-1-B-20250924	< 0.188	ND	< 0.273	ND	< 0.273	ND,Pc	< 0.273	ND	< 0.241	ND,P
PPSP-1-S-20250924	0.554		< 0.273	ND	< 0.273	ND,Pc	< 0.273	ND	1.50	P
PPSP-2-S-20250924	0.622		< 0.273	ND	0.401	J,Pc	< 0.273	ND	1.31	P
PPSP-3-S-20250924	0.464		< 0.273	ND	0.395	J,Pc	< 0.273	ND	0.846	P
PPSP-4-S-20250924	0.497		< 0.273	ND	0.301	J,Pc	< 0.273	ND	0.663	P
PPSP-5-S-20250924	0.481		< 0.273	ND	0.352	J,Pc	< 0.273	ND	0.622	P
PPSP-6-S-20250924	0.602		< 0.273	ND	0.355	J,Pc	< 0.273	ND	0.670	P
PPSP-7-S-20250924	0.547		< 0.273	ND	0.343	J,Pc	< 0.273	ND	0.801	P
PPSP-8-D-20250924	0.617		< 0.273	ND	0.474	J,Pc	< 0.273	ND	1.12	P
PPSP-8-S-20250924	0.610		< 0.273	ND	0.327	J,Pc	< 0.273	ND	2.29	P
PPSP-9-S-20250924	0.600		< 0.273	ND	0.363	J,Pc	< 0.273	ND	0.720	P
PPSP-10-S-20250924	0.941		< 0.273	ND	0.501	J,Pc	< 0.273	ND	1.00	P
PPSP-11-S-20250924	0.440	J	< 0.273	ND	< 0.273	ND,Pc	< 0.273	ND	0.502	P
PPSP-12-S-20250924	0.405	J	< 0.273	ND	< 0.273	ND,Pc	< 0.273	ND	0.476	J,P
PPSP-13-S-20250924	0.464		< 0.273	ND	< 0.273	ND,Pc	< 0.273	ND	0.617	P
PPSP-1-B-20251008	< 0.188	ND	< 0.274	ND	< 0.274	ND	< 0.274	ND	< 0.242	ND
PPSP-1-S-20251008	0.667		< 0.274	ND	0.304	J	< 0.274	ND	0.699	
PPSP-2-S-20251008	0.780		< 0.274	ND	0.357	J	< 0.274	ND	0.736	
PPSP-3-S-20251008	0.513		< 0.274	ND	0.375	J	< 0.274	ND	0.791	
PPSP-4-S-20251008	0.548		< 0.274	ND	0.414	J	< 0.274	ND	0.773	
PPSP-5-S-20251008	0.700		< 0.274	ND	0.457	J	< 0.274	ND	1.13	
PPSP-6-S-20251008	0.457		< 0.274	ND	0.458	J	< 0.274	ND	0.772	
PPSP-7-S-20251008	0.518		< 0.274	ND	0.389	J	< 0.274	ND	0.83	
PPSP-8-D-20251008	0.498		< 0.274	ND	0.364	J	< 0.274	ND	0.711	
PPSP-8-S-20251008	0.458		< 0.274	ND	0.354	J	< 0.274	ND	0.681	
PPSP-9-S-20251008	0.593		< 0.274	ND	0.391	J	< 0.274	ND	0.692	
PPSP-10-S-20251008	0.828		< 0.274	ND	0.502	J	< 0.274	ND	1.02	
PPSP-11-S-20251008	0.483		< 0.274	ND	0.331	J	< 0.274	ND	0.624	
PPSP-12-S-20251008	0.452		< 0.274	ND	< 0.274	ND	< 0.274	ND	0.867	
PPSP-13-S-20251008	0.426		< 0.274	ND	0.280	J	< 0.274	ND	0.591	
PPSP-1-B-20251022	< 0.192	ND	< 0.280	ND	< 0.280	ND	< 0.280	ND	< 0.247	ND
PPSP-1-S-20251022	1.99		< 0.280	ND	0.671	J	< 0.280	ND	1.76	
PPSP-2-S-20251022	1.04		< 0.280	ND	0.432	J	< 0.280	ND	0.989	
PPSP-3-S-20251022	0.485		< 0.280	ND	0.408	J	< 0.280	ND	0.726	
PPSP-4-S-20251022	0.476		< 0.280	ND	0.550	J	< 0.280	ND	0.737	
PPSP-5-S-20251022	0.425	J	< 0.280	ND	0.525	J	< 0.280	ND	0.748	
PPSP-6-S-20251022	0.445	J	< 0.280	ND	0.581	J	< 0.280	ND	0.757	
PPSP-7-S-20251022	0.512		< 0.280	ND	0.515	J	< 0.280	ND	0.859	
PPSP-8-D-20251022	0.490		< 0.280	ND	0.545	J	< 0.280	ND	0.783	
PPSP-8-S-20251022	0.487		< 0.280	ND	0.457	J	< 0.280	ND	0.737	
PPSP-9-S-20251022	0.590		< 0.280	ND	0.445	J	< 0.280	ND	0.834	
PPSP-10-S-20251022	0.681		< 0.280	ND	0.425	J	< 0.280	ND	0.847	
PPSP-11-S-20251022	1.56		< 0.280	ND	0.523	J	< 0.280	ND	1.48	
PPSP-12-S-20251022	0.835		< 0.280	ND	0.315	ND	< 0.280	ND	0.820	
PPSP-13-S-20251022	0.968		< 0.280	ND	0.437	J	< 0.280	ND	0.979	
PPSP-1-B-20251105	< 0.192	ND	< 0.279	ND	< 0.279	ND	< 0.280	ND	< 0.247	ND
PPSP-1-S-20251105	2.26		< 0.279	ND	0.663	J	< 0.279	ND	1.71	
PPSP-2-S-20251105	0.645		< 0.279	ND	0.443	J	< 0.279	ND	0.662	
PPSP-3-S-20251105	0.494		< 0.279	ND	0.363	J	< 0.279	ND	0.569	
PPSP-4-S-20251105	0.497		< 0.279	ND	0.493	J	< 0.279	ND	0.636	
PPSP-5-S-20251105	0.432	J	< 0.279	ND	0.570	J	< 0.279	ND	0.767	
PPSP-6-S-20251105	0.523		< 0.279	ND	0.540	J	< 0.279	ND	0.762	
PPSP-7-S-20251105	0.535		< 0.279	ND	0.449	J	< 0.279	ND	0.814	
PPSP-8-D-20251105	0.555		< 0.279	ND	0.519	J	< 0.279	ND	0.853	
PPSP-8-S-20251105	0.543		< 0.279	ND	0.494	J	< 0.279	ND	0.787	
PPSP-9-S-20251105	0.650		< 0.279	ND	0.407	J	< 0.279	ND	0.868	
PPSP-10-S-20251105	0.899		< 0.279	ND	0.396	J	< 0.279	ND	0.960	
PPSP-11-S-20251105	1.79		< 0.279	ND	0.681	J	< 0.279	ND	1.67	
PPSP-12-S-20251105	1.18		0.287	J	1.35		0.387	J	1.62	
PPSP-13-S-20251105	0.879		< 0.279	ND	0.325	J	< 0.279	ND	0.834	

PPSP-1-B-20251119	< 0.193	ND	< 0.281	ND	< 0.281	ND,Pc	< 0.281	ND	< 0.281	ND
PPSP-1-S-20251119	1.06		< 0.281	ND	0.931	Pc	0.378	J	1.37	
PPSP-2-S-20251119	0.861		< 0.281	ND	0.856	Pc	0.335	J	1.29	
PPSP-3-S-20251119	0.628		< 0.281	ND	0.704	Pc	< 0.281	ND	1.01	
PPSP-4-S-20251119	0.647		< 0.281	ND	0.709	Pc	0.288	J	1.09	
PPSP-5-S-20251119	0.643		< 0.281	ND	0.778	Pc	0.313	J	1.16	
PPSP-6-S-20251119	0.748		< 0.281	ND	0.582	J,Pc	< 0.281	ND	1.04	
PPSP-7-S-20251119	0.651		< 0.280	ND	0.628	J,Pc	< 0.280	ND	1.10	
PPSP-8-D-20251119	0.668		< 0.280	ND	0.394	J,Pc	< 0.280	ND	1.01	
PPSP-8-S-20251119	0.660		< 0.280	ND	0.712	Pc	0.300	J	1.08	
PPSP-9-S-20251119	1.13		0.317	J	1.29	Pc	0.444	J	1.86	
PPSP-10-S-20251119	1.28		0.331	J	1.41	Pc	0.458	J	2.21	
PPSP-11-S-20251119	1.42		0.285	J	1.23	Pc	0.443	J	2.12	
PPSP-12-S-20251119	1.05		< 0.281	ND	1.02	Pc	0.385	J	1.65	
PPSP-13-S-20251119	0.841		< 0.281	ND	0.809	Pc	< 0.281	ND	1.34	
PPSP-1-B-20251203	< 0.196	ND	< 0.285	ND	< 0.285	ND	< 0.285	ND	< 0.252	ND
PPSP-1-S-20251203	1.62		0.297	J	1.08		0.366	J	1.78	
PPSP-2-S-20251203	0.998		< 0.285	ND	0.627	J	< 0.285	ND	1.57	
PPSP-3-S-20251203	0.767		< 0.285	ND	0.619	J	< 0.285	ND	1.04	
PPSP-4-S-20251203	0.775		< 0.285	ND	0.686	J	< 0.285	ND	1.14	
PPSP-5-S-20251203	0.935		0.443	J	1.49		0.369	J	3.22	
PPSP-6-S-20251203	2.56		0.471	J	2.05		0.611	J	3.56	
PPSP-7-S-20251203	1.88		0.446	J	1.66		0.490	J	3.17	
PPSP-8-D-20251203	1.39		0.328	J	0.889		0.313	J	2.00	
PPSP-8-S-20251203	1.36		0.340	J	1.02		0.367	J	1.86	
PPSP-9-S-20251203	1.63		0.360	J	0.833		0.302	J	7.01	
PPSP-10-S-20251203	1.29		< 0.285	ND	0.615	J	< 0.285	ND	1.41	
PPSP-11-S-20251203	1.84		< 0.285	ND	0.670	J	< 0.285	ND	1.67	
PPSP-12-S-20251203	1.18		< 0.285	ND	0.697		< 0.285	ND	1.43	
PPSP-13-S-20251203	1.11		< 0.285	ND	0.590	J	< 0.285	ND	3.14	
PPSP-1-B-20251217	< 0.194	ND	< 0.283	ND	< 0.283	ND	< 0.283	ND	0.361	J
PPSP-1-S-20251217	1.28		< 0.283	ND	0.583	J	< 0.283	ND	1.89	
PPSP-2-S-20251217	1.01		< 0.283	ND	0.493	J	< 0.283	ND	1.79	
PPSP-3-S-20251217	0.782		< 0.283	ND	0.462	J	< 0.283	ND	1.64	
PPSP-4-S-20251217	0.896		< 0.283	ND	0.370	J	< 0.283	ND	1.80	
PPSP-5-S-20251217	0.823		< 0.283	ND	0.436	J	< 0.283	ND	1.38	
PPSP-6-S-20251217	2.00		0.307	J	0.944		0.342	J	2.51	
PPSP-7-S-20251217	0.976		< 0.282	ND	0.598	J	< 0.282	ND	1.69	
PPSP-8-D-20251217	0.957		< 0.282	ND	0.544	J	< 0.282	ND	1.58	
PPSP-8-S-20251217	0.958		< 0.282	ND	0.442	J	< 0.282	ND	1.38	
PPSP-9-S-20251217	0.915		< 0.282	ND	0.442	J	< 0.282	ND	1.51	
PPSP-10-S-20251217	0.920		< 0.282	ND	0.358	J	< 0.282	ND	1.26	
PPSP-11-S-20251217	1.31		< 0.283	ND	0.641	J	< 0.283	ND	2.02	
PPSP-12-S-20251217	1.05		< 0.283	ND	0.551	J	< 0.283	ND	1.40	
PPSP-13-S-20251217	0.985		< 0.283	ND	0.359	J	< 0.283	ND	1.71	

J: Estimated value, the analyte was detected between the method detection limit and the reporting limit

I: Internal Standard recovery is outside acceptance limits

ND: That analyte was not present above the method detection limit

B: Compound present in field blank(s) greater than 1/3 the compliance limit or measured target analyte

P: Field duplicate exceed 30% RPD

Pc: Field duplicate(s) exceed 30%RPD. Concentrations of both samples in duplicate are near the reporting limit

Summary Statistics	Benzene Conc. ( $\mu\text{g}/\text{m}^3$ )	Ethylbenzene Conc. ( $\mu\text{g}/\text{m}^3$ )	Xylene (m/p) Conc. ( $\mu\text{g}/\text{m}^3$ )	Xylene (o) Conc. ( $\mu\text{g}/\text{m}^3$ )	Toluene Conc. ( $\mu\text{g}/\text{m}^3$ )
Quarterly Maximum	2.56	0.471	2.05	0.611	7.01
Quarterly Average	0.871	0.288	0.587	0.298	1.30
Rolling Annual Maximum	2.56	0.587	2.53	0.979	32.8
Rolling Annual Average	0.832	0.282	0.462	0.289	1.49

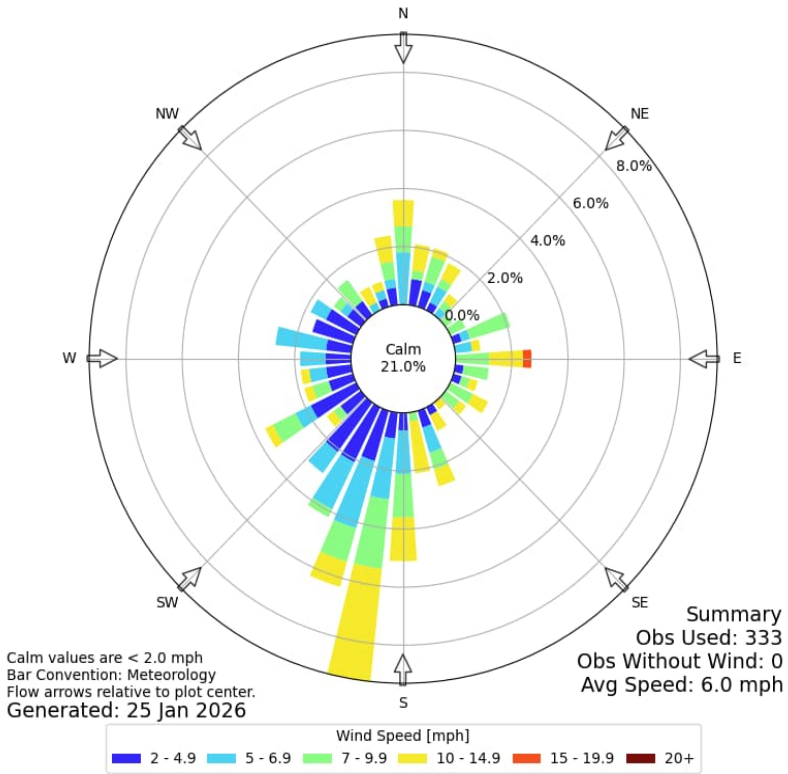
Note: Averages do not include field blanks or duplicates

Begin Date:	Start Time:	End Date:	End Time:	Avg Temp. (°F):	Avg. Bar. Pressure (in):	Avg. Wind Speed (mph):	Avg. Wind Direction:
9/24/2025	10:34 a.m. - 11:30 p.m.	10/8/2025	11:21 a.m. - 12:11 p.m.	62.3	30.1	7.6	190.0
10/8/2025	11:21 a.m. - 12:21 p.m.	10/22/2025	1:50 p.m. - 2:52 p.m.	51.6	30.1	10.0	204.1
10/22/2025	1:50 p.m. - 2:52 p.m.	11/5/2025	10:30 a.m. - 11:14 a.m.	46.6	30.0	9.7	231.0
11/5/2025	10:30 a.m. - 11:14 a.m.	11/19/2025	11:10 a.m. - 11:59 a.m.	40.2	29.7	9.2	252.6
11/19/2025	11:10 a.m. - 11:59 a.m.	12/3/2025	11:15 a.m. - 12:20 p.m.	35.6	30.0	7.5	241.6
12/3/2025	11:15 a.m. - 12:20 p.m.	12/17/2025	10:36 a.m. - 11:21 a.m.	23.8	29.9	8.8	258.7
12/17/2025	10:36 a.m. - 11:21 a.m.	12/31/2025	11:15 a.m. - 12:04 p.m.	28.3	29.9	10.5	253.1

Location	Latitude	Longitude
Shelter 1	43.625044°	-70.268206°
Shelter 2	43.624461°	-70.269444°
Shelter 3	43.624128°	-70.272269°
Shelter 4	43.625869°	-70.273467°
Shelter 5	43.627444°	-70.274175°
Shelter 6	43.628351°	-70.272082°
Shelter 7	43.629353°	-70.270966°
Shelter 8	43.62845°	-70.269547°
Shelter 9	43.628232°	-70.267221°
Shelter 10	43.628461°	-70.265494°
Shelter 11	43.627796°	-70.263879°
Shelter 12	43.625964°	-70.263686°
Shelter 13	43.625017°	-70.265767°
KPWW Met	43.642222°	-70.304444°

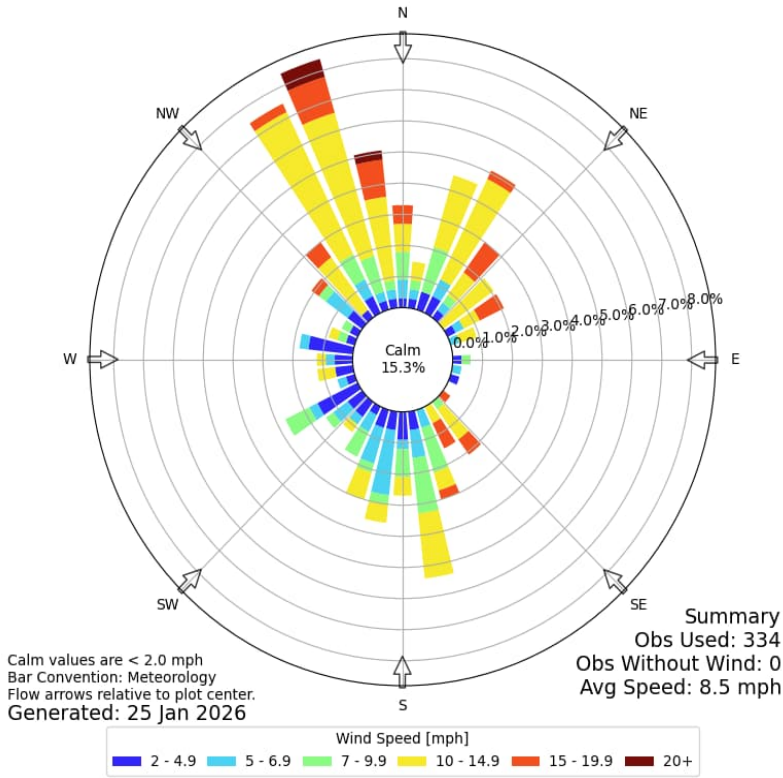


Windrose Plot for [PWW] PORTLAND INTL JET  
 Obs Between: 24 Sep 2025 11:51 AM - 08 Oct 2025 12:51 PM America/New\_York

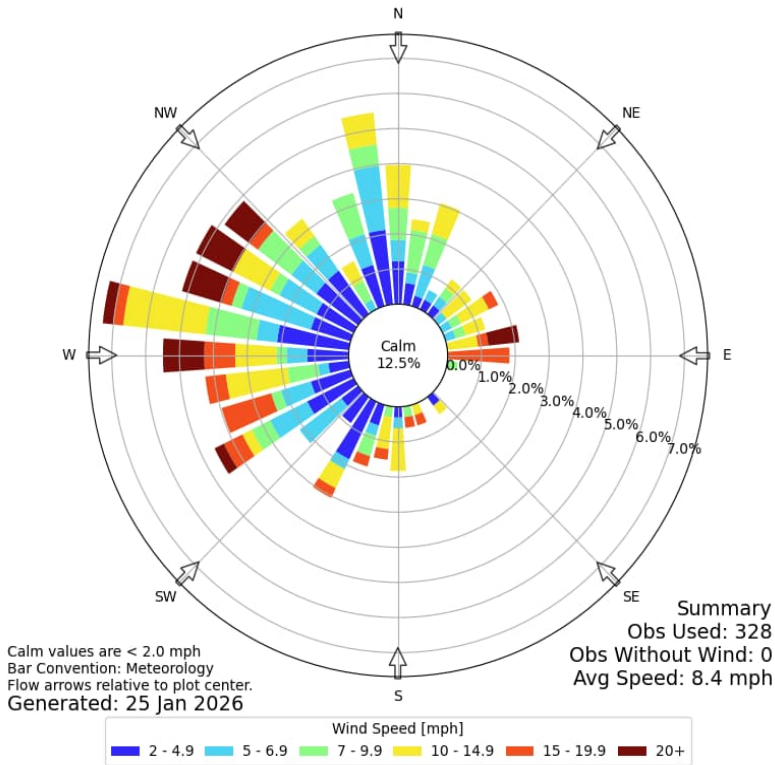




Windrose Plot for [PWM] PORTLAND INTL JET  
 Obs Between: 08 Oct 2025 12:51 PM - 22 Oct 2025 03:51 PM America/New\_York

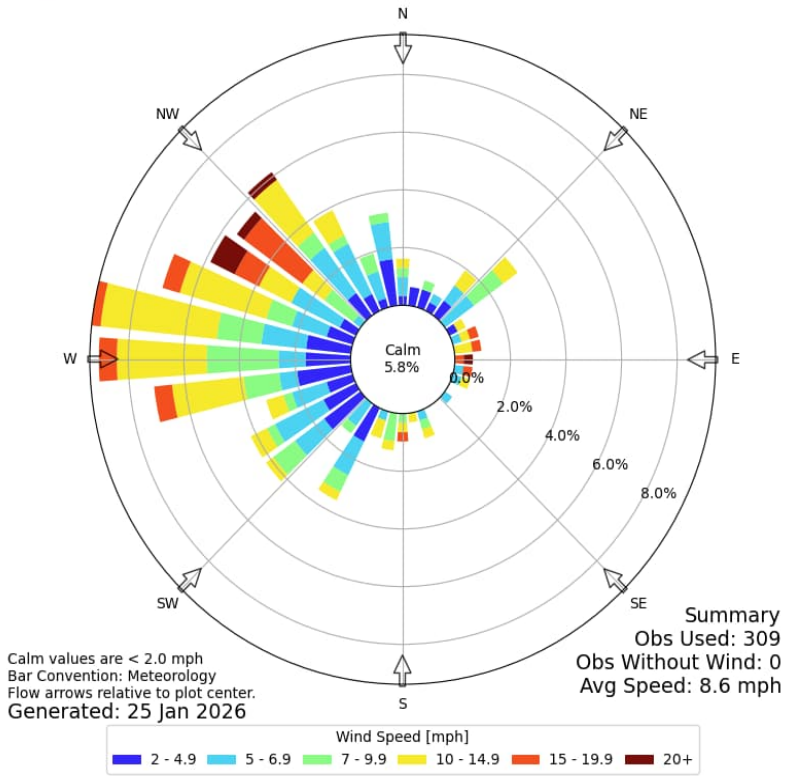


Windrose Plot for [PWM] PORTLAND INTL JET  
 Obs Between: 22 Oct 2025 02:51 PM - 05 Nov 2025 11:51 AM America/New\_York

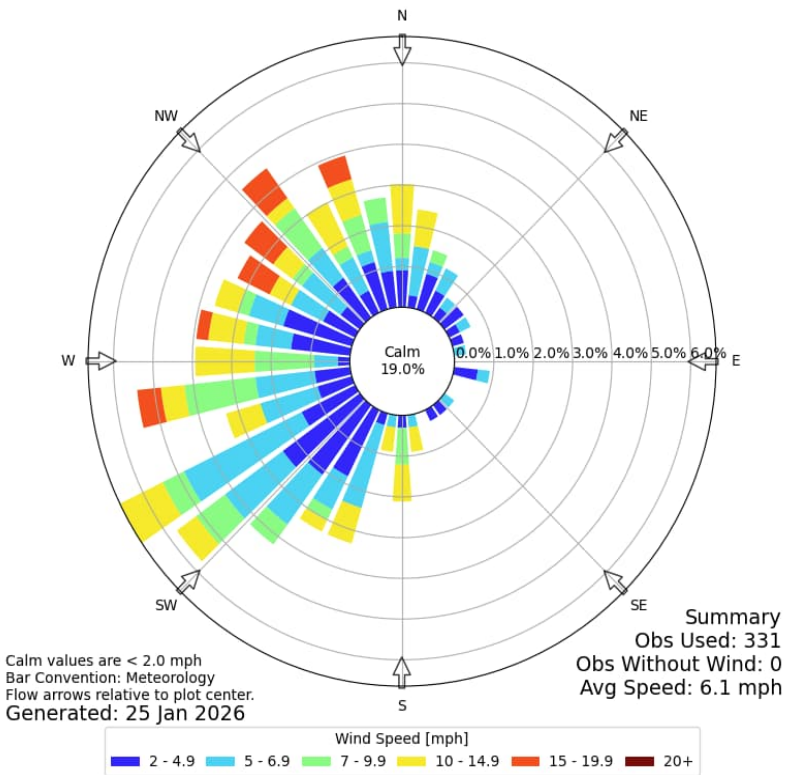




Windrose Plot for [PWM] PORTLAND INTL JET  
Obs Between: 05 Nov 2025 11:51 AM - 19 Nov 2025 12:51 PM America/New\_York

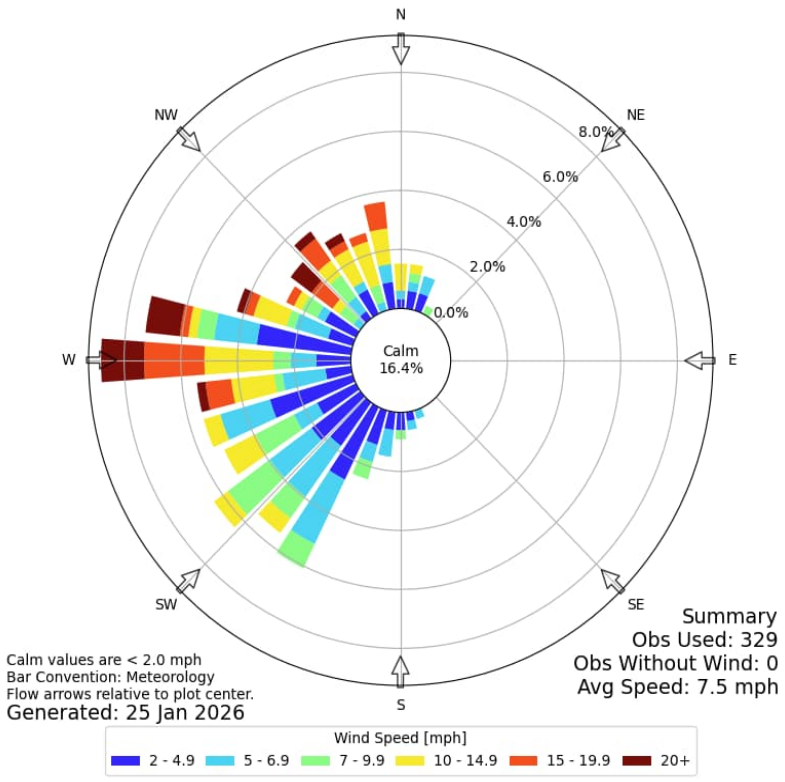


Windrose Plot for [PWM] PORTLAND INTL JET  
Obs Between: 19 Nov 2025 12:51 PM - 03 Dec 2025 12:51 PM America/New\_York

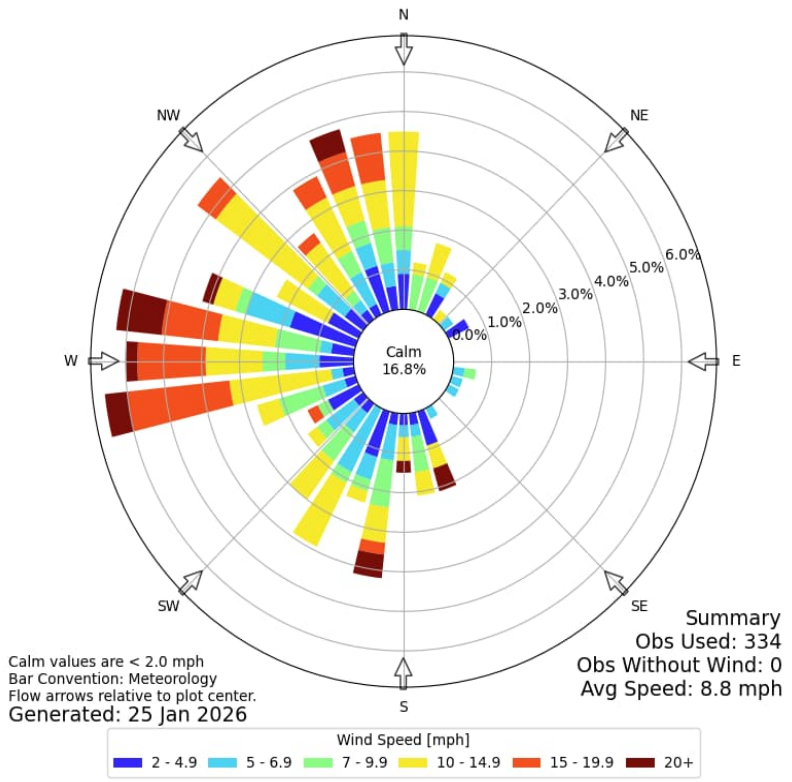




Windrose Plot for [PWM] PORTLAND INTL JET  
Obs Between: 03 Dec 2025 12:51 PM - 17 Dec 2025 11:51 AM America/New\_York



Windrose Plot for [PWM] PORTLAND INTL JET  
Obs Between: 17 Dec 2025 12:51 PM - 31 Dec 2025 12:51 PM America/New\_York



# Portland Pipeline - S Portland, ME

303 U.S. Route One  
Freeport, ME 04032

## Portland Pipeline - S Portland, ME

Samples Received: 10/9/2025

Analytical Report  
2025FW401

EPA Method 325B Analysis

Report Issue Date: 10/20/2025

I certify that to the best of my knowledge all analytical data presented in this report have been checked for completeness, accuracy, errors and legibility in addition to having been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s). This report shall not be reproduced except in full without approval of the laboratory. This will provide assurance that parts of the report are not taken out of context.

Amendment(s):

Signature:



QA REVIEW PERFORMED BY  
Brianna Berry  
QA Associate I



Matt Cavanaugh  
Matthew.Cavanaugh@enthalpy.com / www.enthalpy.com  
O: (919) 850-4392  
Enthalpy Analytical  
800 Capitola Drive Suite 1 Durham, NC 27713

## Table of Contents

Case Narrative .....	3
Results .....	6
Summary of Results .....	7
Detailed Results .....	8
QC Data .....	11
Chromatograms .....	14
Initial Calibration .....	63
Sample Custody .....	66
Chain of Custody .....	67

# Narrative Summary



# Enthalpy Analytical Narrative Summary

Company	Power Engineers, Inc.
Job No.	2025FW401-1
Client ID.	Site: Portland Pipeline - S Portland, ME

## 1. Custody

The samples were received at Enthalpy Analytical on October 9, 2025 at 12.7 °C. The samples were received in good condition. Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, LLC

**Table 1 - Sample Inventory**

Sample ID	Tube ID	Sample Type
PPSP-6-S-20250924	C70855	Sample
PPSP-5-S-20250924	C57090	Sample
PPSP-4-S-20250924	B46861	Sample
PPSP-3-S-20250924	C69687	Sample
PPSP-2-S-20250924	C59972	Sample
PPSP-1-S-20250924	C00811	Sample
PPSP-1-B-20250924	C70552	Blank
PPSP-13-S-20250924	C33001	Sample
PPSP-12-S-20250924	C35755	Sample
PPSP-11-S-20250924	C61499	Sample
PPSP-10-S-20250924	C70752	Sample
PPSP-9-S-20250924	B46772	Sample
PPSP-8-S-20250924	C01402	Sample
PPSP-8-D-20250924	C69757	Duplicate
PPSP-7-S-20250924	B46315	Sample

## 2. Analysis

The samples were analyzed for Benzene, Toluene, Ethylbenzene, m-/p-Xylenes, and o-Xylene using EPA Method 325B – Volatile Organic Compounds from Fugitive and Area Sources by Thermal Desorption and GC/MS. A copy of the acquisition method M325B-TD35 is not included in this report but may be available upon request.

The sample tube media used for this sampling period was CarbopackX. All calibration standards and laboratory QC were prepared using the same media.

## 3. Calibration

All BFB tune criteria have been met for this analysis.

The initial calibration (P093025A\_CC185154\_R2) met all 30% RSD criteria. The initial calibration verification met  $\pm 30\%$  recovery criteria. The continuing calibration verifications met 30% difference criteria. The initial and continuing calibration raw data are not included in this report but are available upon request.

# Enthalpy Analytical Narrative Summary

Company	Power Engineers, Inc.
Job No.	2025FW401-1
Client ID.	Site: Portland Pipeline - S Portland, ME

## 5. QC Notes

All quality control criteria required by the method and/or the laboratory SOP have been met unless noted otherwise below.

The primary sample PPSP-8-S-20250924 (tube ID C01402) and its corresponding duplicate PPSP-8-D-20250924 (tube ID C69757) failed to meet the 30% difference criterion for Toluene as specified by the method. All samples in the data set have been flagged "P" for Toluene to denote this failure. The primary sample PPSP-8-S-20250924 (tube ID C01402) and its corresponding duplicate PPSP-8-D-20250924 (tube ID C69757) failed to meet the 30% difference criterion for m-/p-Xylenes as specified by the method. However, the concentrations of the analyte in both the sample and the duplicate were less than two times the reporting limit of the instrument's calibration curve. Therefore, the percent difference observed may not suggest the data set has been negatively affected. All samples in the data set have been flagged "Pc" for m-/p-Xylenes to denote this failure.

## 6. Reporting Notes

All tubes used for this sampling period met the method criteria for number of uses; no tube exceeded 50 field uses.

As specified in EPA Method 325B, the response factor of the daily continuing calibration standard was used to quantitate all field samples and blanks.

All samples were reported as amount in ng catch, and concentration in ug/m<sup>3</sup> and ppbv.

The results presented in this report are representative of the samples as provided to the laboratory. These analyses met the requirements of the TNI Standard. Any deviations from the requirements of the reference method or TNI Standard have been stated above.

Enthalpy Analytical, located at 800 Capitola Drive, Suite 1, Durham NC, 27713 is accredited by the Louisiana Department of Environmental Quality (LDEQ) for EPA Method 325B for all analytes included in this report under **Certificate Number 04010**.

# Results



# Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW401-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

## Summary

Sample Code	Tube ID	Benzene		Toluene		Ethylbenzene		m-/p-Xylenes		o-Xylene	
		(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag
PPSP-6-S-20250924	C70855	0.602		0.670	P	ND		0.355	J,Pc	ND	
PPSP-5-S-20250924	C57090	0.481		0.622	P	ND		0.352	J,Pc	ND	
PPSP-4-S-20250924	B46861	0.497		0.663	P	ND		0.301	J,Pc	ND	
PPSP-3-S-20250924	C69687	0.464		0.846	P	ND		0.395	J,Pc	ND	
PPSP-2-S-20250924	C59972	0.622		1.31	P	ND		0.401	J,Pc	ND	
PPSP-1-S-20250924	C00811	0.554		1.50	P	ND			ND,Pc	ND	
PPSP-1-B-20250924	C70552		ND		ND,P	ND			ND,Pc	ND	
PPSP-13-S-20250924	C33001	0.464		0.617	P	ND			ND,Pc	ND	
PPSP-12-S-20250924	C35755	0.405	J	0.476	J,P	ND			ND,Pc	ND	
PPSP-11-S-20250924	C61499	0.440	J	0.502	P	ND			ND,Pc	ND	
PPSP-10-S-20250924	C70752	0.941		1.00	P	ND		0.501	J,Pc	ND	
PPSP-9-S-20250924	B46772	0.600		0.720	P	ND		0.363	J,Pc	ND	
PPSP-8-S-20250924	C01402	0.610		2.29	P	ND		0.327	J,Pc	ND	
PPSP-8-D-20250924	C69757	0.617		1.12	P	ND		0.474	J,Pc	ND	
PPSP-7-S-20250924	B46315	0.547		0.801	P	ND		0.343	J,Pc	ND	

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit

ND: The analyte was not present above the Method Detection Limit

P: Field duplicate(s) exceed 30%RPD

Pc: Field duplicate(s) exceed 30%RPD. Concentrations of both samples in duplicate are near the reporting limit

# Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW401-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

## Benzene

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20250924	C70855	0.602	0.189	8.04	62.2	0.661	20207	0.187	0.443	0.0586	0.139		P2506348.D	2025-10-10 18:42	1.008	8.379	65945	734588	90.3	8.325	-2.1%
PPSP-5-S-20250924	C57090	0.481	0.151	6.42	62.2	0.661	20210	0.187	0.443	0.0586	0.139		P2506349.D	2025-10-10 19:20	1.008	8.379	51987	725130	90.3	8.325	-3.4%
PPSP-4-S-20250924	B46861	0.497	0.156	6.64	62.2	0.661	20210	0.187	0.443	0.0586	0.139		P2506350.D	2025-10-10 19:57	1.008	8.385	54312	732590	90.3	8.325	-2.4%
PPSP-3-S-20250924	C69687	0.464	0.145	6.20	62.2	0.661	20209	0.187	0.443	0.0586	0.139		P2506351.D	2025-10-10 20:34	1.008	8.391	50614	731355	90.3	8.331	-2.5%
PPSP-2-S-20250924	C59972	0.622	0.195	8.31	62.2	0.661	20209	0.187	0.443	0.0586	0.139		P2506352.D	2025-10-10 21:12	1.008	8.385	66890	721002	90.3	8.331	-3.9%
PPSP-1-S-20250924	C00811	0.554	0.174	7.40	62.2	0.661	20208	0.187	0.443	0.0586	0.139		P2506353.D	2025-10-10 21:49	1.008	8.384	60926	737740	90.3	8.331	-1.7%
PPSP-1-B-20250924	C70552				62.2	0.661	20208	0.187	0.443	0.0586	0.139	ND	P2506347.D	2025-10-10 18:05	1.008	8.385	9844	730668	90.3	8.325	-2.6%
PPSP-13-S-20250924	C33001	0.464	0.145	6.19	62.2	0.661	20207	0.187	0.443	0.0586	0.139		P2506354.D	2025-10-10 22:26	1.008	8.385	50493	730195	90.3	8.331	-2.7%
PPSP-12-S-20250924	C35755	0.405	0.127	5.41	62.2	0.661	20204	0.187	0.443	0.0587	0.139	J	P2506355.D	2025-10-10 23:04	1.008	8.385	43622	722703	90.3	8.331	-3.7%
PPSP-11-S-20250924	C61499	0.440	0.138	5.87	62.2	0.661	20204	0.187	0.443	0.0587	0.139	J	P2506356.D	2025-10-10 23:41	1.008	8.385	47171	719126	90.3	8.331	-4.2%
PPSP-10-S-20250924	C70752	0.941	0.295	12.6	62.2	0.661	20203	0.187	0.443	0.0587	0.139		P2506358.D	2025-10-11 00:56	1.008	8.385	102686	732313	90.3	8.331	-2.4%
PPSP-9-S-20250924	B46772	0.600	0.188	8.01	62.2	0.661	20202	0.187	0.443	0.0587	0.139		P2506359.D	2025-10-11 01:33	1.008	8.391	64143	717428	90.3	8.331	-4.4%
PPSP-8-S-20250924	C01402	0.610	0.191	8.14	62.2	0.661	20201	0.187	0.443	0.0587	0.139		P2506360.D	2025-10-11 02:10	1.008	8.391	64601	710647	90.3	8.337	-5.3%
PPSP-8-D-20250924	C69757	0.617	0.193	8.24	62.2	0.661	20201	0.187	0.443	0.0587	0.139		P2506361.D	2025-10-11 02:48	1.008	8.391	66322	721244	90.3	8.337	-3.9%
PPSP-7-S-20250924	B46315	0.547	0.171	7.30	62.2	0.661	20201	0.187	0.443	0.0587	0.139		P2506362.D	2025-10-11 03:25	1.008	8.396	56467	693029	90.3	8.337	-7.6%

## Toluene

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20250924	C70855	0.670	0.178	6.94	62.2	0.513	20207	0.241	0.501	0.0641	0.133	P	P2506348.D	2025-10-10 18:42	1.082	10.984	56833	796727	105.3	10.895	-3.0%
PPSP-5-S-20250924	C57090	0.622	0.165	6.45	62.2	0.513	20210	0.241	0.501	0.0641	0.133	P	P2506349.D	2025-10-10 19:20	1.082	10.990	52479	791610	105.3	10.889	-3.7%
PPSP-4-S-20250924	B46861	0.663	0.176	6.87	62.2	0.513	20210	0.241	0.501	0.0641	0.133	P	P2506350.D	2025-10-10 19:57	1.082	10.984	55619	787906	105.3	10.895	-4.1%
PPSP-3-S-20250924	C69687	0.846	0.225	8.77	62.2	0.513	20209	0.241	0.501	0.0641	0.133	P	P2506351.D	2025-10-10 20:34	1.082	10.990	71311	790889	105.3	10.895	-3.7%
PPSP-2-S-20250924	C59972	1.31	0.348	13.6	62.2	0.513	20209	0.241	0.501	0.0641	0.133	P	P2506352.D	2025-10-10 21:12	1.082	10.984	110061	789252	105.3	10.895	-3.9%
PPSP-1-S-20250924	C00811	1.50	0.399	15.6	62.2	0.513	20208	0.241	0.501	0.0641	0.133	P	P2506353.D	2025-10-10 21:49	1.082	10.990	128303	802136	105.3	10.895	-2.4%
PPSP-1-B-20250924	C70552				62.2	0.513	20208	0.241	0.501	0.0641	0.133	ND,P	P2506347.D	2025-10-10 18:05	1.082	10.984	8830	793103	105.3	10.895	-3.5%
PPSP-13-S-20250924	C33001	0.617	0.164	6.39	62.2	0.513	20207	0.241	0.501	0.0641	0.133	P	P2506354.D	2025-10-10 22:26	1.082	10.990	51615	785667	105.3	10.895	-4.4%
PPSP-12-S-20250924	C35755	0.476	0.126	4.93	62.2	0.513	20204	0.241	0.501	0.0641	0.133	J,P	P2506355.D	2025-10-10 23:04	1.082	10.990	39804	785678	105.3	10.895	-4.4%
PPSP-11-S-20250924	C61499	0.502	0.133	5.21	62.2	0.513	20204	0.241	0.501	0.0641	0.133	P	P2506356.D	2025-10-10 23:41	1.082	10.990	42291	790299	105.3	10.895	-3.8%
PPSP-10-S-20250924	C70752	1.00	0.266	10.4	62.2	0.513	20203	0.241	0.501	0.0641	0.133	P	P2506358.D	2025-10-11 00:56	1.082	10.990	84133	789519	105.3	10.895	-3.9%
PPSP-9-S-20250924	B46772	0.720	0.191	7.46	62.2	0.513	20202	0.241	0.501	0.0641	0.133	P	P2506359.D	2025-10-11 01:33	1.082	10.996	59717	778610	105.3	10.901	-5.2%
PPSP-8-S-20250924	C01402	2.29	0.608	23.7	62.2	0.513	20201	0.241	0.501	0.0641	0.133	P	P2506360.D	2025-10-11 02:10	1.082	10.990	188770	773708	105.3	10.901	-5.8%
PPSP-8-D-20250924	C69757	1.12	0.299	11.6	62.2	0.513	20201	0.241	0.501	0.0641	0.133	P	P2506361.D	2025-10-11 02:48	1.082	10.990	93281	779046	105.3	10.901	-5.2%
PPSP-7-S-20250924	B46315	0.801	0.213	8.30	62.2	0.513	20201	0.241	0.501	0.0641	0.133	P	P2506362.D	2025-10-11 03:25	1.082	10.996	64485	755684	105.3	10.901	-8.0%

## Ethylbenzene

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20250924	C70855				62.2	0.454	20207	0.273	0.589	0.0629	0.136	ND	P2506348.D	2025-10-10 18:42	1.150	13.115	8661	796727	105.3	10.895	-3.0%
PPSP-5-S-20250924	C57090				62.2	0.454	20210	0.273	0.589	0.0628	0.136	ND	P2506349.D	2025-10-10 19:20	1.150	13.121	7585	791610	105.3	10.889	-3.7%
PPSP-4-S-20250924	B46861				62.2	0.454	20210	0.273	0.589	0.0628	0.136	ND	P2506350.D	2025-10-10 19:57	1.150	13.115	7871	787906	105.3	10.895	-4.1%

# Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW401-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

## Ethylbenzene

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-3-S-20250924	C69687				62.2	0.454	20209	0.273	0.589	0.0628	0.136	ND	P2506351.D	2025-10-10 20:34	1.150	13.115	9846	790889	105.3	10.895	-3.7%
PPSP-2-S-20250924	C59972				62.2	0.454	20209	0.273	0.589	0.0628	0.136	ND	P2506352.D	2025-10-10 21:12	1.150	13.121	9067	789252	105.3	10.895	-3.9%
PPSP-1-S-20250924	C00811				62.2	0.454	20208	0.273	0.589	0.0628	0.136	ND	P2506353.D	2025-10-10 21:49	1.150	13.115	7866	802136	105.3	10.895	-2.4%
PPSP-1-B-20250924	C70552				62.2	0.454	20208	0.273	0.589	0.0628	0.136	ND	P2506347.D	2025-10-10 18:05	1.150	13.109	2009	793103	105.3	10.895	-3.5%
PPSP-13-S-20250924	C33001				62.2	0.454	20207	0.273	0.589	0.0629	0.136	ND	P2506354.D	2025-10-10 22:26	1.150	13.121	5856	785667	105.3	10.895	-4.4%
PPSP-12-S-20250924	C35755				62.2	0.454	20204	0.273	0.589	0.0629	0.136	ND	P2506355.D	2025-10-10 23:04	1.150	13.121	6700	785678	105.3	10.895	-4.4%
PPSP-11-S-20250924	C61499				62.2	0.454	20204	0.273	0.589	0.0629	0.136	ND	P2506356.D	2025-10-10 23:41	1.150	13.121	5455	790299	105.3	10.895	-3.8%
PPSP-10-S-20250924	C70752				62.2	0.454	20203	0.273	0.589	0.0629	0.136	ND	P2506358.D	2025-10-11 00:56	1.150	13.121	13165	789519	105.3	10.895	-3.9%
PPSP-9-S-20250924	B46772				62.2	0.454	20202	0.273	0.589	0.0629	0.136	ND	P2506359.D	2025-10-11 01:33	1.150	13.121	9982	778610	105.3	10.901	-5.2%
PPSP-8-S-20250924	C01402				62.2	0.454	20201	0.273	0.589	0.0629	0.136	ND	P2506360.D	2025-10-11 02:10	1.150	13.127	9951	773708	105.3	10.901	-5.8%
PPSP-8-D-20250924	C69757				62.2	0.454	20201	0.273	0.589	0.0629	0.136	ND	P2506361.D	2025-10-11 02:48	1.150	13.121	11123	779046	105.3	10.901	-5.2%
PPSP-7-S-20250924	B46315				62.2	0.454	20201	0.273	0.589	0.0629	0.136	ND	P2506362.D	2025-10-11 03:25	1.150	13.127	9930	755684	105.3	10.901	-8.0%

## m-/p-Xylenes

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20250924	C70855	0.355	0.0817	3.25	62.2	0.454	20207	0.273	0.660	0.0629	0.152	J,Pc	P2506348.D	2025-10-10 18:42	0.828	13.287	20369	796727	105.3	10.895	-3.0%
PPSP-5-S-20250924	C57090	0.352	0.0810	3.22	62.2	0.454	20210	0.273	0.660	0.0628	0.152	J,Pc	P2506349.D	2025-10-10 19:20	0.828	13.293	20071	791610	105.3	10.889	-3.7%
PPSP-4-S-20250924	B46861	0.301	0.0694	2.76	62.2	0.454	20210	0.273	0.660	0.0628	0.152	J,Pc	P2506350.D	2025-10-10 19:57	0.828	13.287	17114	787906	105.3	10.895	-4.1%
PPSP-3-S-20250924	C69687	0.395	0.0911	3.63	62.2	0.454	20209	0.273	0.660	0.0628	0.152	J,Pc	P2506351.D	2025-10-10 20:34	0.828	13.293	22558	790889	105.3	10.895	-3.7%
PPSP-2-S-20250924	C59972	0.401	0.0923	3.67	62.2	0.454	20209	0.273	0.660	0.0628	0.152	J,Pc	P2506352.D	2025-10-10 21:12	0.828	13.287	22810	789252	105.3	10.895	-3.9%
PPSP-1-S-20250924	C00811				62.2	0.454	20208	0.273	0.660	0.0628	0.152	ND,Pc	P2506353.D	2025-10-10 21:49	0.828	13.293	14041	802136	105.3	10.895	-2.4%
PPSP-1-B-20250924	C70552				62.2	0.454	20208	0.273	0.660	0.0628	0.152	ND,Pc	P2506347.D	2025-10-10 18:05	0.828	13.305	1334	793103	105.3	10.895	-3.5%
PPSP-13-S-20250924	C33001				62.2	0.454	20207	0.273	0.660	0.0629	0.152	ND,Pc	P2506354.D	2025-10-10 22:26	0.828	13.287	11504	785667	105.3	10.895	-4.4%
PPSP-12-S-20250924	C35755				62.2	0.454	20204	0.273	0.660	0.0629	0.152	ND,Pc	P2506355.D	2025-10-10 23:04	0.828	13.287	9055	785678	105.3	10.895	-4.4%
PPSP-11-S-20250924	C61499				62.2	0.454	20204	0.273	0.660	0.0629	0.152	ND,Pc	P2506356.D	2025-10-10 23:41	0.828	13.293	13995	790299	105.3	10.895	-3.8%
PPSP-10-S-20250924	C70752	0.501	0.115	4.59	62.2	0.454	20203	0.273	0.660	0.0629	0.152	J,Pc	P2506358.D	2025-10-11 00:56	0.828	13.293	28519	789519	105.3	10.895	-3.9%
PPSP-9-S-20250924	B46772	0.363	0.0838	3.33	62.2	0.454	20202	0.273	0.660	0.0629	0.152	J,Pc	P2506359.D	2025-10-11 01:33	0.828	13.299	20402	778610	105.3	10.901	-5.2%
PPSP-8-S-20250924	C01402	0.327	0.0753	2.99	62.2	0.454	20201	0.273	0.660	0.0629	0.152	J,Pc	P2506360.D	2025-10-11 02:10	0.828	13.299	18228	773708	105.3	10.901	-5.8%
PPSP-8-D-20250924	C69757	0.474	0.109	4.34	62.2	0.454	20201	0.273	0.660	0.0629	0.152	J,Pc	P2506361.D	2025-10-11 02:48	0.828	13.293	26628	779046	105.3	10.901	-5.2%
PPSP-7-S-20250924	B46315	0.343	0.0791	3.15	62.2	0.454	20201	0.273	0.660	0.0629	0.152	J,Pc	P2506362.D	2025-10-11 03:25	0.828	13.299	18711	755684	105.3	10.901	-8.0%

## o-Xylene

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20250924	C70855				62.2	0.454	20207	0.273	0.614	0.0629	0.141	ND	P2506348.D	2025-10-10 18:42	0.893	13.780	8330	796727	105.3	10.895	-3.0%
PPSP-5-S-20250924	C57090				62.2	0.454	20210	0.273	0.614	0.0628	0.141	ND	P2506349.D	2025-10-10 19:20	0.893	13.780	7675	791610	105.3	10.889	-3.7%
PPSP-4-S-20250924	B46861				62.2	0.454	20210	0.273	0.614	0.0628	0.141	ND	P2506350.D	2025-10-10 19:57	0.893	13.780	6984	787906	105.3	10.895	-4.1%
PPSP-3-S-20250924	C69687				62.2	0.454	20209	0.273	0.614	0.0628	0.141	ND	P2506351.D	2025-10-10 20:34	0.893	13.780	9102	790889	105.3	10.895	-3.7%
PPSP-2-S-20250924	C59972				62.2	0.454	20209	0.273	0.614	0.0628	0.141	ND	P2506352.D	2025-10-10 21:12	0.893	13.780	9069	789252	105.3	10.895	-3.9%
PPSP-1-S-20250924	C00811				62.2	0.454	20208	0.273	0.614	0.0628	0.141	ND	P2506353.D	2025-10-10 21:49	0.893	13.780	5814	802136	105.3	10.895	-2.4%

# Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW401-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

## o-Xylene

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-1-B-20250924	C70552				62.2	0.454	20208	0.273	0.614	0.0628	0.141	ND	P2506347.D	2025-10-10 18:05	0.893	13.774	733	793103	105.3	10.895	-3.5%
PPSP-13-S-20250924	C33001				62.2	0.454	20207	0.273	0.614	0.0629	0.141	ND	P2506354.D	2025-10-10 22:26	0.893	13.786	4663	785667	105.3	10.895	-4.4%
PPSP-12-S-20250924	C35755				62.2	0.454	20204	0.273	0.614	0.0629	0.141	ND	P2506355.D	2025-10-10 23:04	0.893	13.780	4135	785678	105.3	10.895	-4.4%
PPSP-11-S-20250924	C61499				62.2	0.454	20204	0.273	0.614	0.0629	0.141	ND	P2506356.D	2025-10-10 23:41	0.893	13.780	6154	790299	105.3	10.895	-3.8%
PPSP-10-S-20250924	C70752				62.2	0.454	20203	0.273	0.614	0.0629	0.141	ND	P2506358.D	2025-10-11 00:56	0.893	13.786	13083	789519	105.3	10.895	-3.9%
PPSP-9-S-20250924	B46772				62.2	0.454	20202	0.273	0.614	0.0629	0.141	ND	P2506359.D	2025-10-11 01:33	0.893	13.786	8072	778610	105.3	10.901	-5.2%
PPSP-8-S-20250924	C01402				62.2	0.454	20201	0.273	0.614	0.0629	0.141	ND	P2506360.D	2025-10-11 02:10	0.893	13.786	7907	773708	105.3	10.901	-5.8%
PPSP-8-D-20250924	C69757				62.2	0.454	20201	0.273	0.614	0.0629	0.141	ND	P2506361.D	2025-10-11 02:48	0.893	13.786	10636	779046	105.3	10.901	-5.2%
PPSP-7-S-20250924	B46315				62.2	0.454	20201	0.273	0.614	0.0629	0.141	ND	P2506362.D	2025-10-11 03:25	0.893	13.791	7697	755684	105.3	10.901	-8.0%

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit

ND: The analyte was not present above the Method Detection Limit

P: Field duplicate(s) exceed 30%RPD

Pc: Field duplicate(s) exceed 30%RPD. Concentrations of both samples in duplicate are near the reporting limit

# QC Data



## Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW401-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

### QC Samples

Field Sample Type	Sample Code	Benzene		Toluene		Ethylbenzene		m-/p-Xylenes		o-Xylene	
Blanks (ug/m <sup>3</sup> )	PPSP-1-B-20250924	ND	Pass	ND	Pass	ND	Pass	ND	Pass	ND	Pass
Duplicates (difference)	PPSP-8-D-20250924	1.2%	Pass	68%	Fail	ND	Pass	37%	Fail	ND	Pass

## Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW401-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

### Benzene Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	P2506345.D	C35763	Cal	1.008		1.008	-8.9%	4.4%		Pass	
2025FW401 Method Blank-1	P2506346.D	C00561	Blank			1.008			-1.4%	Pass	ND
M325B CCV 5	P2506357.D	B27781	Check	1.063		1.008	-3.8%		-5.2%	Pass	
M325B CCV 5	P2506363.D	B44227	Check	1.033		1.008	-6.6%		-3.5%	Pass	

### Toluene Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	P2506345.D	C35763	Cal	1.082		1.082	0.42%	-1.2%		Pass	
2025FW401 Method Blank-1	P2506346.D	C00561	Blank			1.082			-2.8%	Pass	ND
M325B CCV 5	P2506357.D	B27781	Check	1.143		1.082	6.1%		-4.2%	Pass	
M325B CCV 5	P2506363.D	B44227	Check	1.080		1.082	0.20%		-2.7%	Pass	

### Ethylbenzene Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	P2506345.D	C35763	Cal	1.150		1.150	7.0%	-1.2%		Pass	
2025FW401 Method Blank-1	P2506346.D	C00561	Blank			1.150			-2.8%	Pass	ND
M325B CCV 5	P2506357.D	B27781	Check	1.189		1.150	11%		-4.2%	Pass	
M325B CCV 5	P2506363.D	B44227	Check	1.147		1.150	6.8%		-2.7%	Pass	

### m-/p-Xylenes Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	P2506345.D	C35763	Cal	0.828		0.828	14%	-1.2%		Pass	
2025FW401 Method Blank-1	P2506346.D	C00561	Blank			0.828			-2.8%	Pass	ND
M325B CCV 5	P2506357.D	B27781	Check	0.894		0.828	23%		-4.2%	Pass	
M325B CCV 5	P2506363.D	B44227	Check	0.873		0.828	20%		-2.7%	Pass	

### o-Xylene Calibration and Blanks

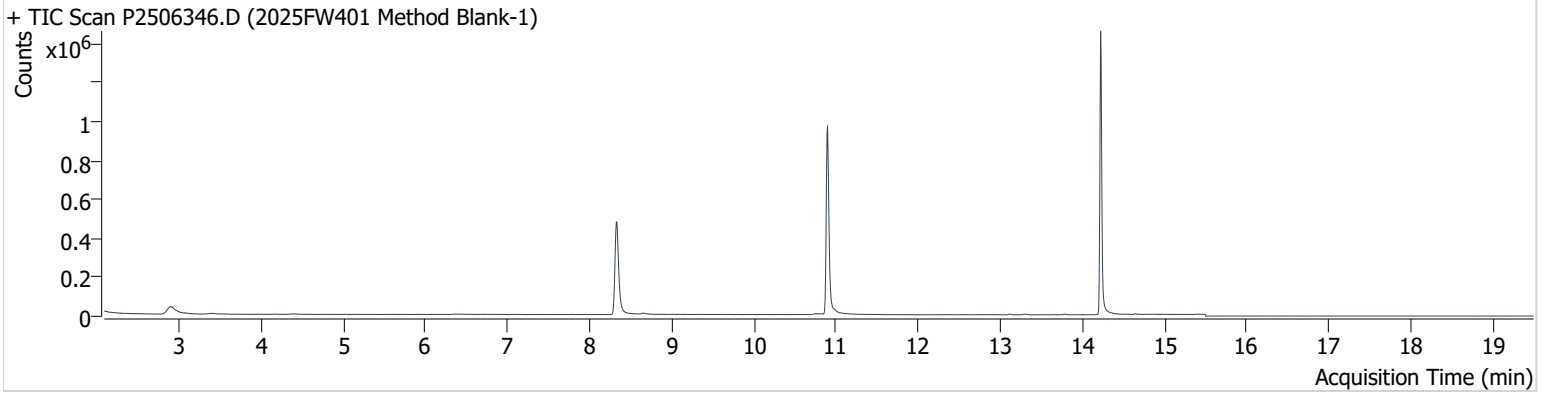
Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	P2506345.D	C35763	Cal	0.893		0.893	11%	-2.0%		Pass	
2025FW401 Method Blank-1	P2506346.D	C00561	Blank			0.893			-2.8%	Pass	ND
M325B CCV 5	P2506357.D	B27781	Check	0.966		0.893	20%		-4.2%	Pass	
M325B CCV 5	P2506363.D	B44227	Check	0.923		0.893	15%		-2.7%	Pass	

# Chromatograms



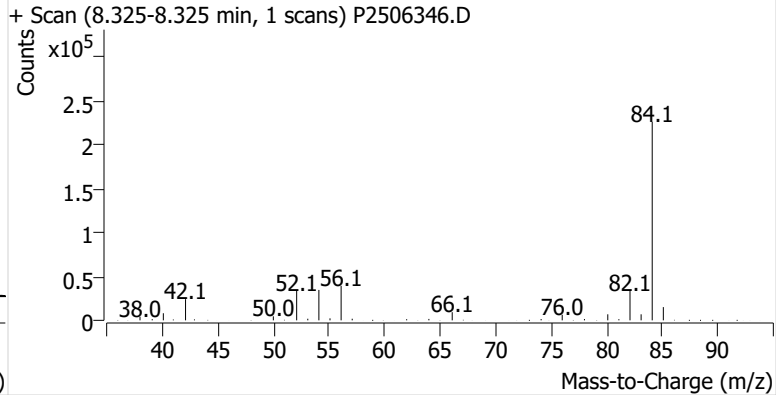
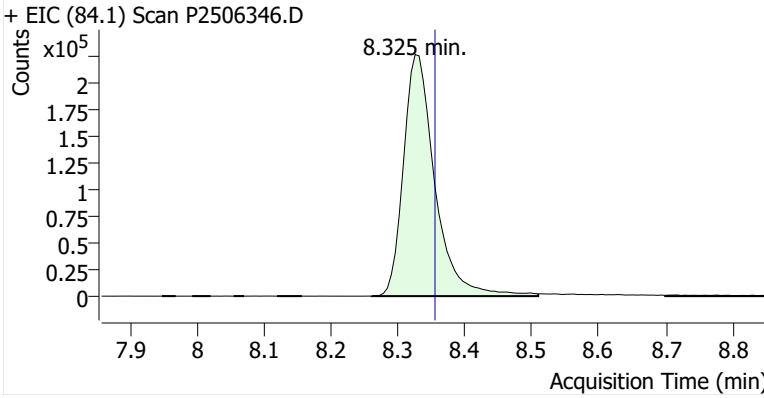
**Name** 2025FW401 Method Blank-1  
**Comment** C00561  
**Data File** P2506346.D  
**Acq. Date-Time** 10/10/2025 5:27:47 PM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

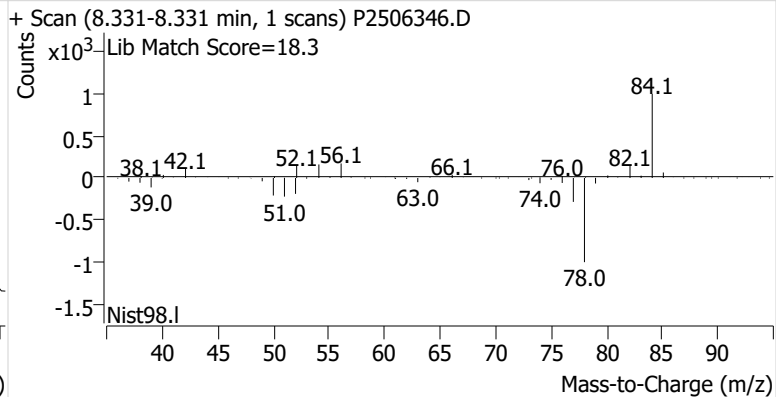
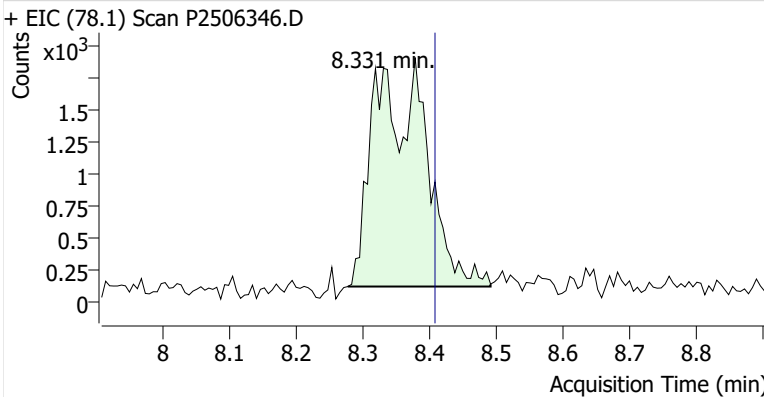


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.325	8.355	740,060	
Benzene	benzene-d6 (IS)	8.331	8.408	9,659	
Toluene-d8 (IS)		10.895	10.913	798,334	
Toluene	Toluene-d8 (IS)	10.984	11.008	6,491	
Ethylbenzene	Toluene-d8 (IS)	13.121	13.139	2,707	
m-/p-Xylenes	Toluene-d8 (IS)	13.293	13.311	2,873	
o-Xylene	Toluene-d8 (IS)	13.774	13.798	2,251	

**benzene-d6 (IS)**

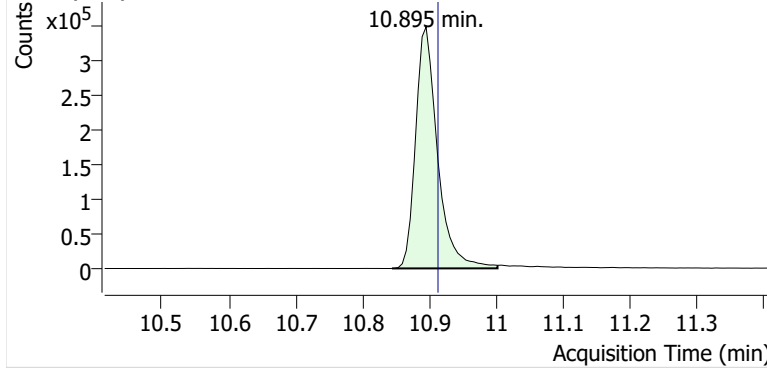


**Benzene**

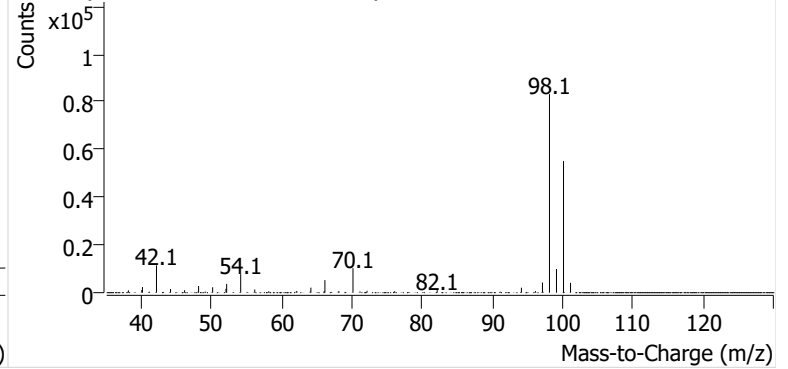


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2506346.D

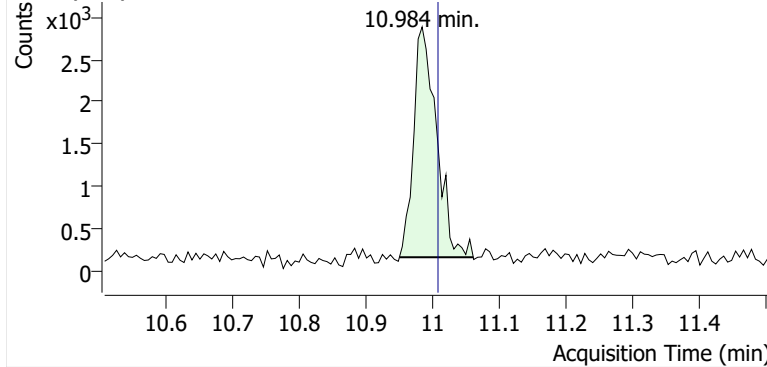


+ Scan (10.844-11.002 min, 27 scans) P2506346.D

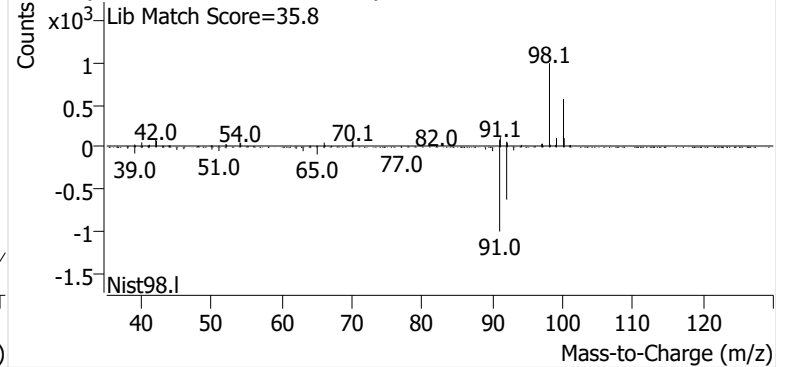


**Toluene**

+ EIC (91.1) Scan P2506346.D

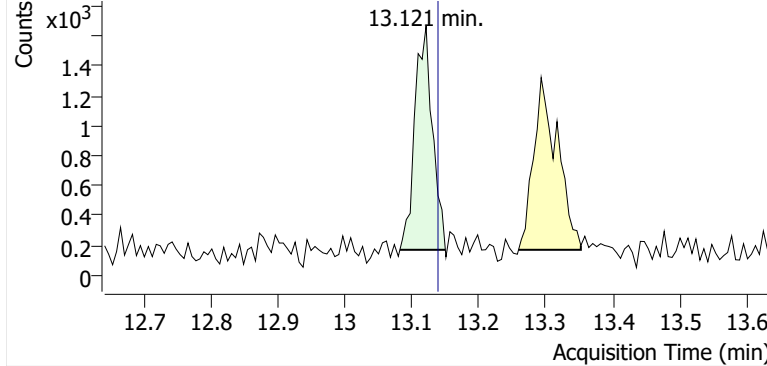


+ Scan (10.950-11.061 min, 18 scans) P2506346.D

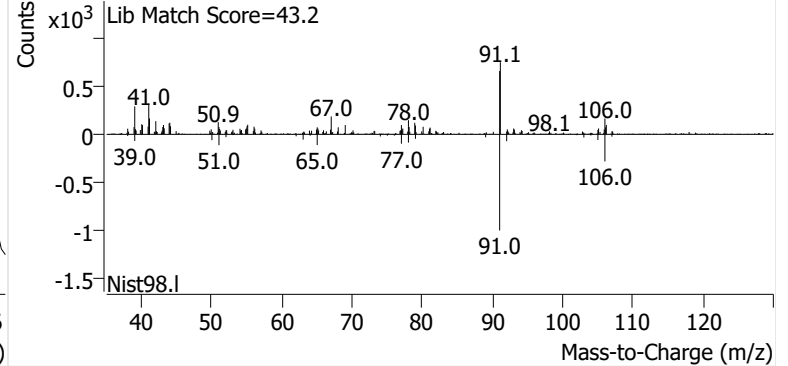


**Ethylbenzene**

+ EIC (91.1) Scan P2506346.D

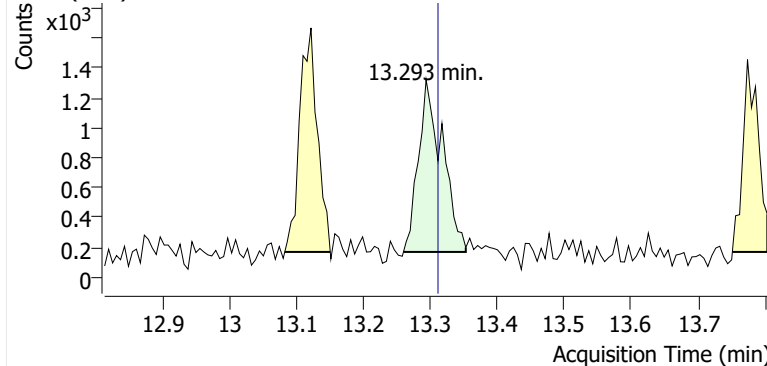


+ Scan (13.082-13.150 min, 11 scans) P2506346.D

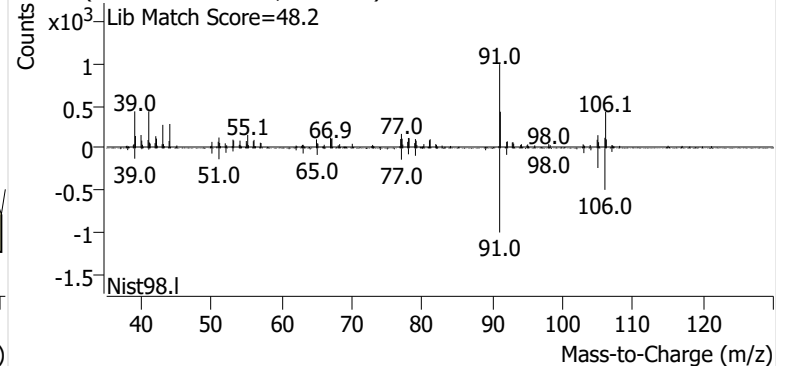


**m-/p-Xylenes**

+ EIC (91.1) Scan P2506346.D

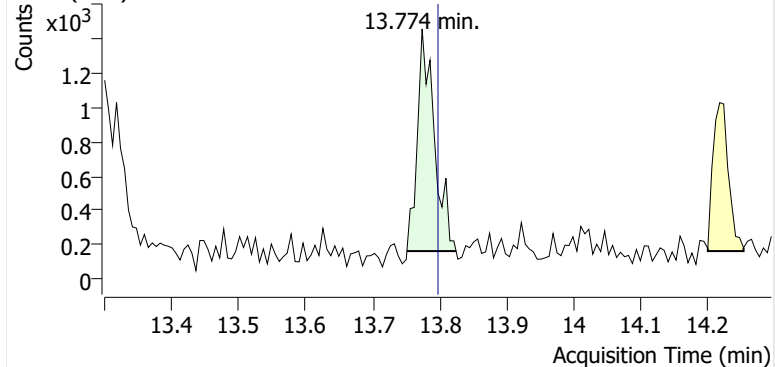


+ Scan (13.259-13.352 min, 16 scans) P2506346.D

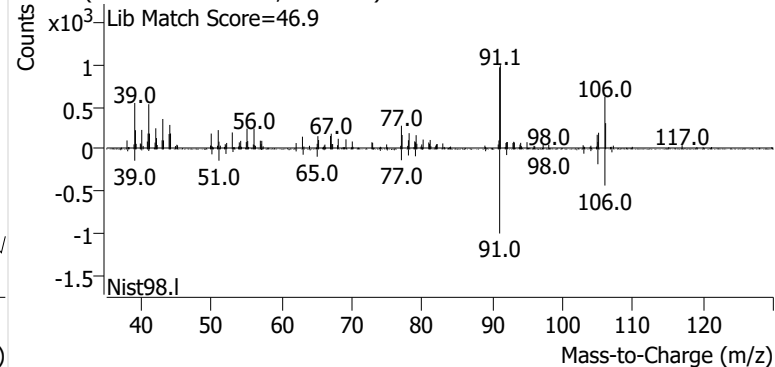


**o-Xylene**

+ EIC (91.1) Scan P2506346.D

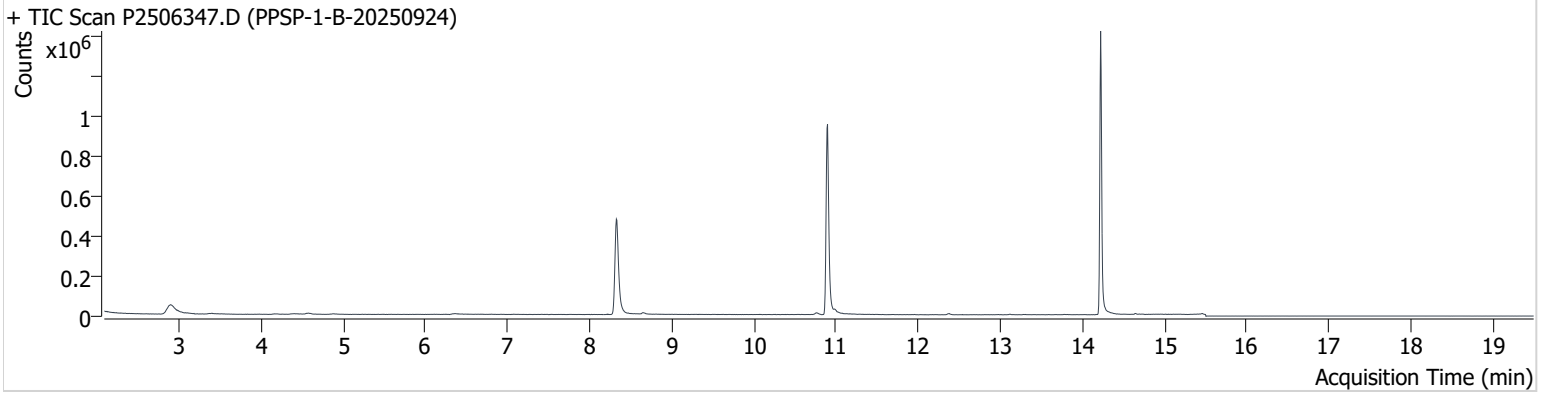


+ Scan (13.751-13.825 min, 12 scans) P2506346.D



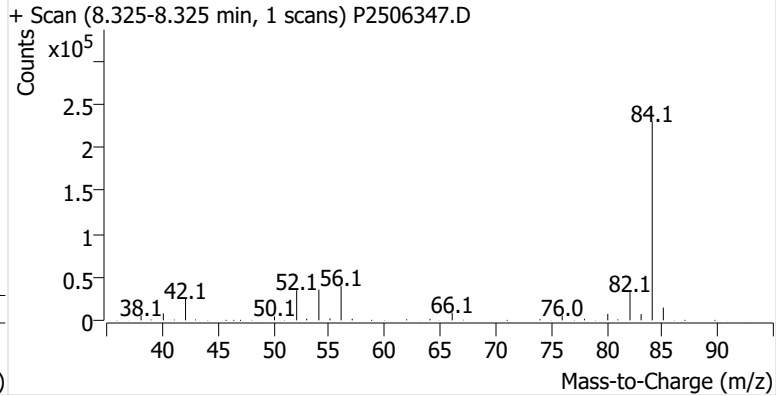
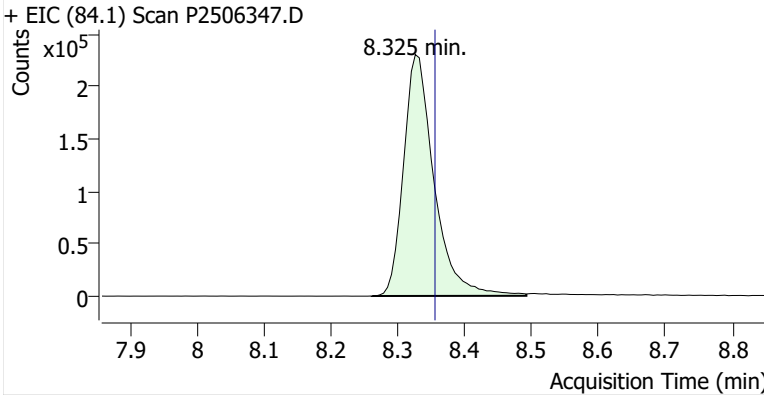
**Name** PPSP-1-B-20250924  
**Comment** C70552  
**Data File** P2506347.D  
**Acq. Date-Time** 10/10/2025 6:05:28 PM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

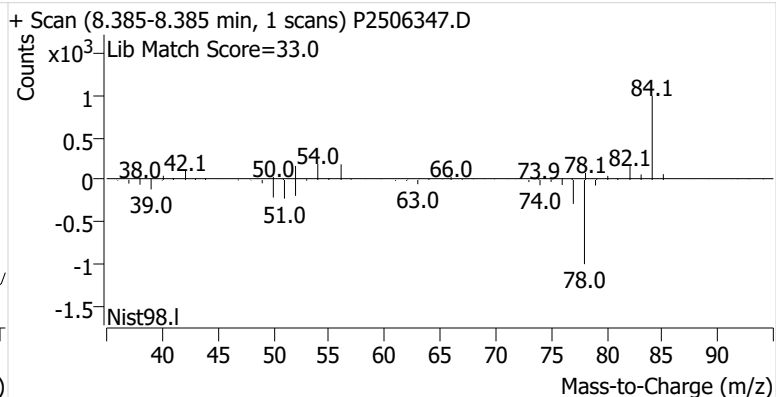
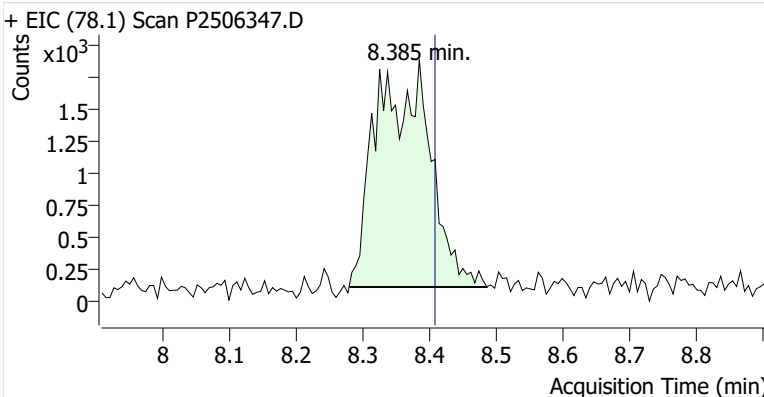


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.325	8.355	730,668	
Benzene	benzene-d6 (IS)	8.385	8.408	9,844	
Toluene-d8 (IS)		10.895	10.913	793,103	
Toluene	Toluene-d8 (IS)	10.984	11.008	8,830	
Ethylbenzene	Toluene-d8 (IS)	13.109	13.139	2,009	
m-/p-Xylenes	Toluene-d8 (IS)	13.305	13.311	1,334	
o-Xylene	Toluene-d8 (IS)	13.774	13.798	733	

**benzene-d6 (IS)**

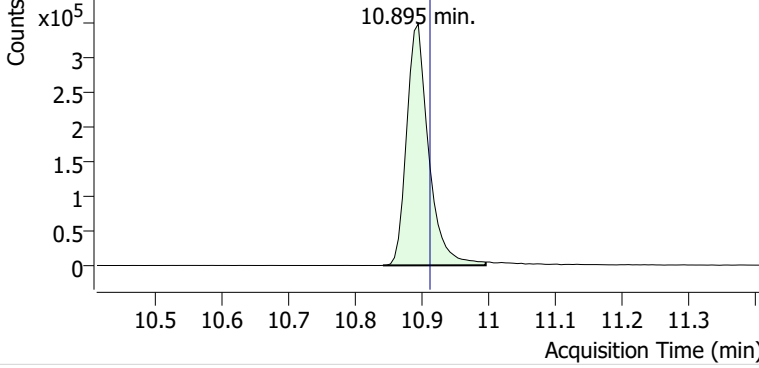


**Benzene**

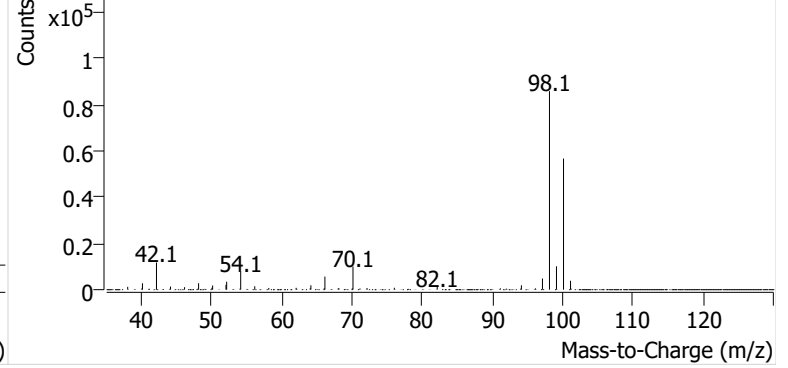


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2506347.D

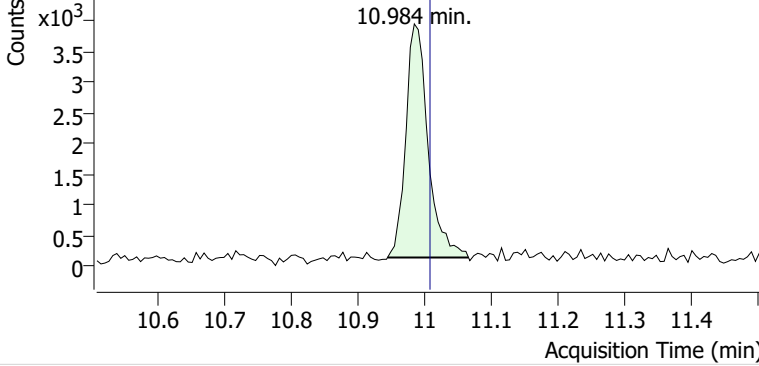


+ Scan (10.843-10.996 min, 26 scans) P2506347.D

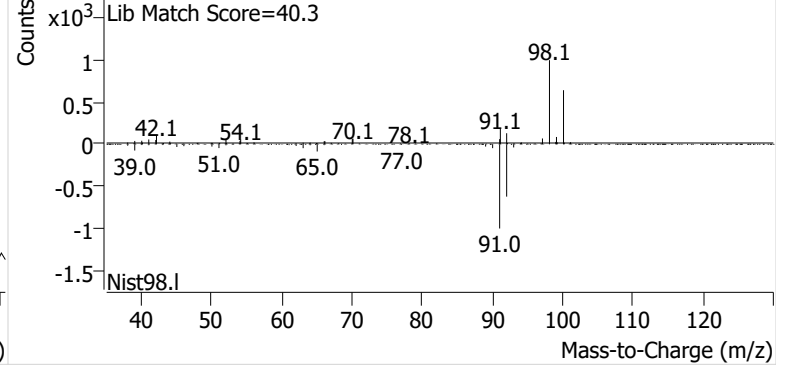


**Toluene**

+ EIC (91.1) Scan P2506347.D

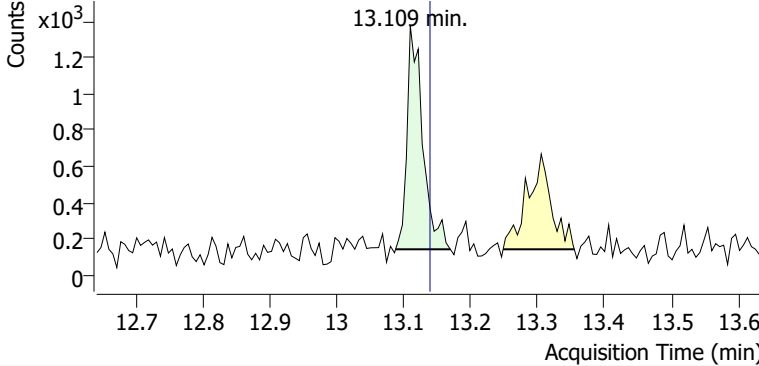


+ Scan (10.944-11.066 min, 20 scans) P2506347.D

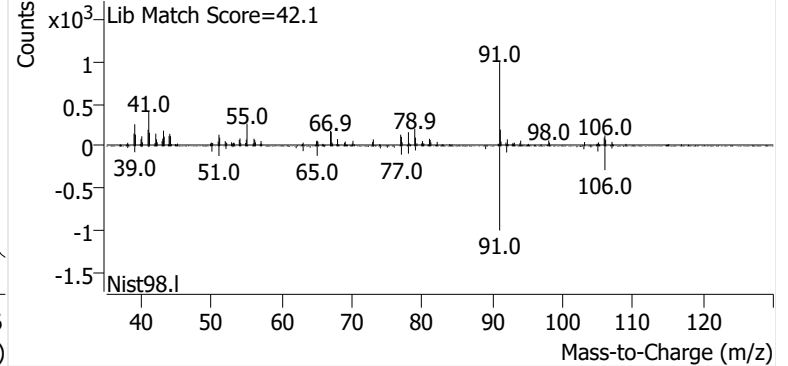


**Ethylbenzene**

+ EIC (91.1) Scan P2506347.D

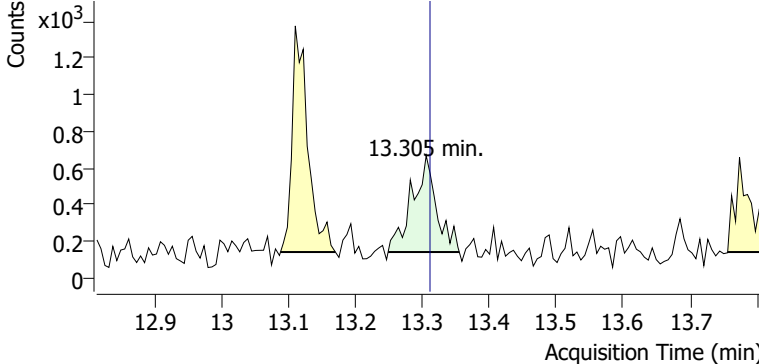


+ Scan (13.087-13.169 min, 14 scans) P2506347.D

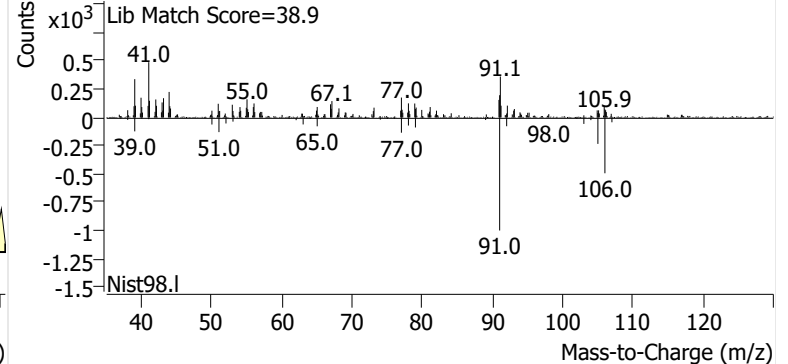


**m-/p-Xylenes**

+ EIC (91.1) Scan P2506347.D

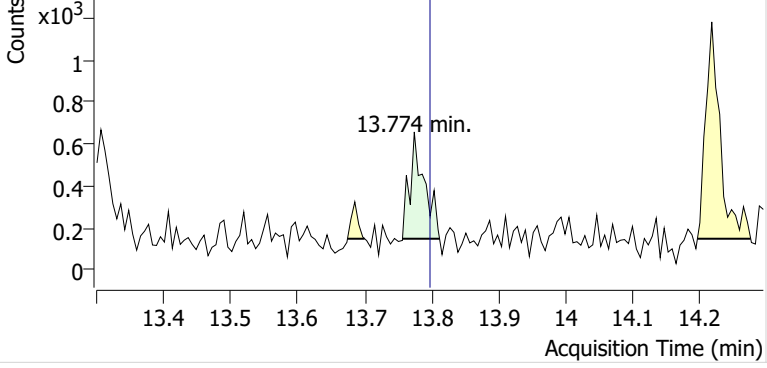


+ Scan (13.248-13.355 min, 18 scans) P2506347.D

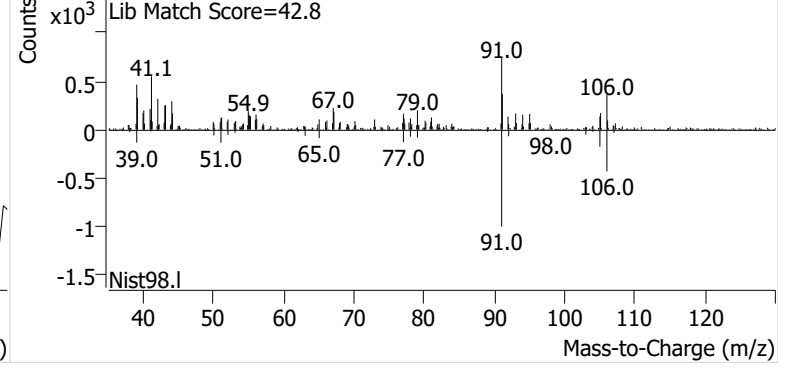


**o-Xylene**

+ EIC (91.1) Scan P2506347.D

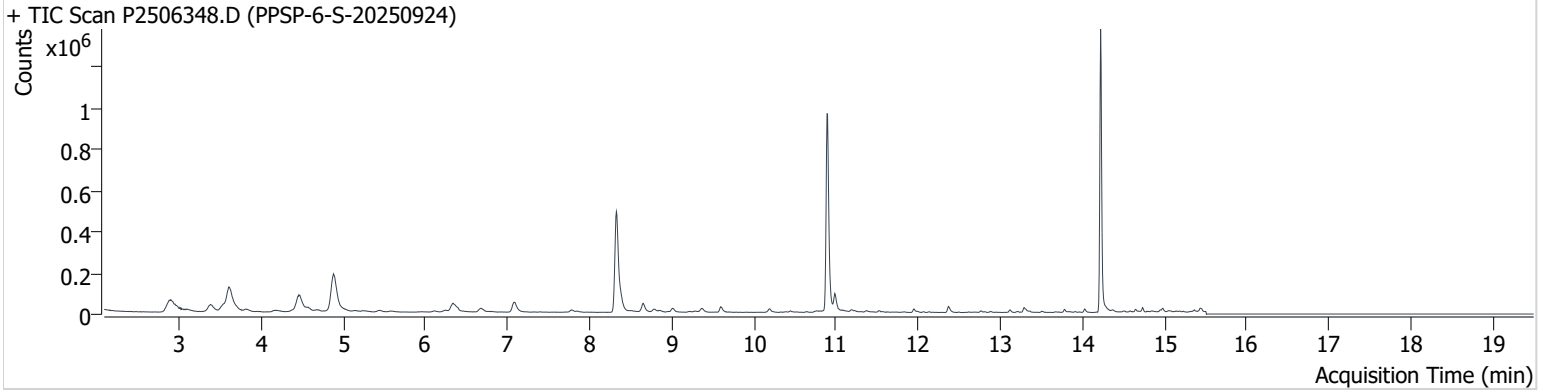


+ Scan (13.756-13.812 min, 9 scans) P2506347.D



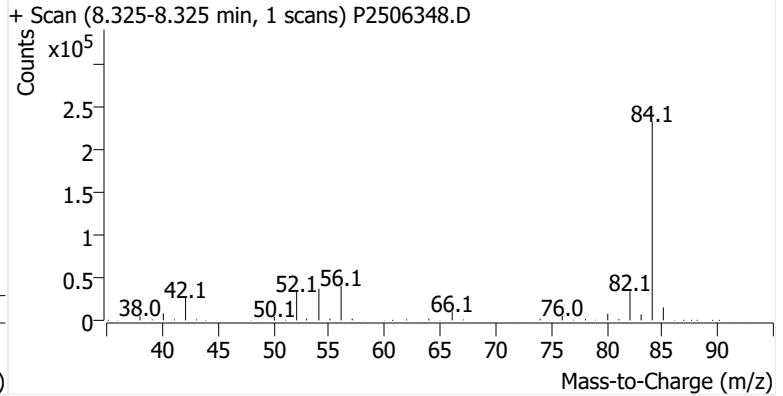
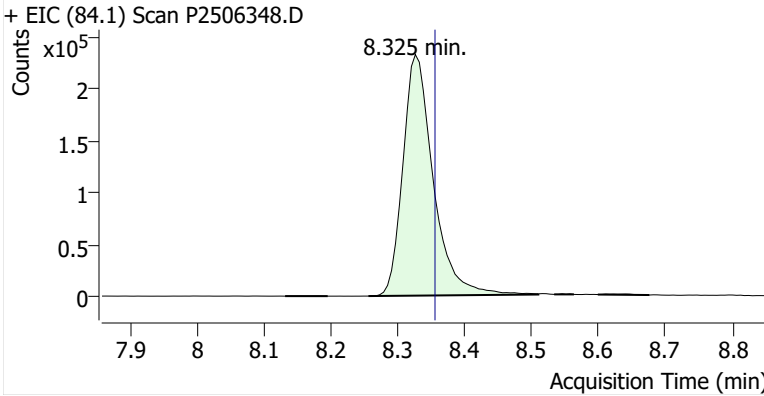
**Name** PPSP-6-S-20250924  
**Comment** C70855  
**Data File** P2506348.D  
**Acq. Date-Time** 10/10/2025 6:42:48 PM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

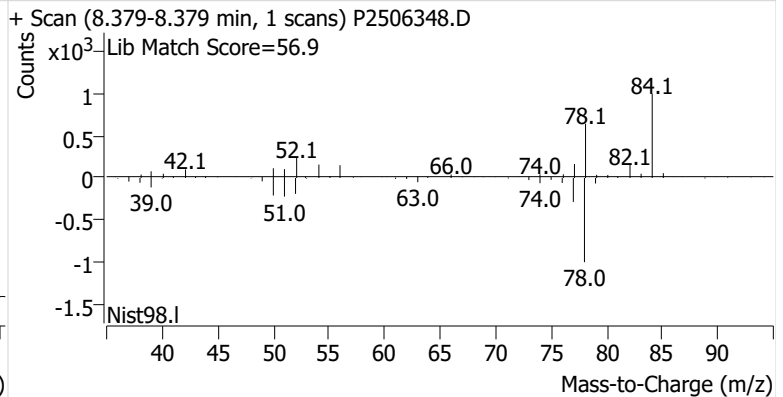
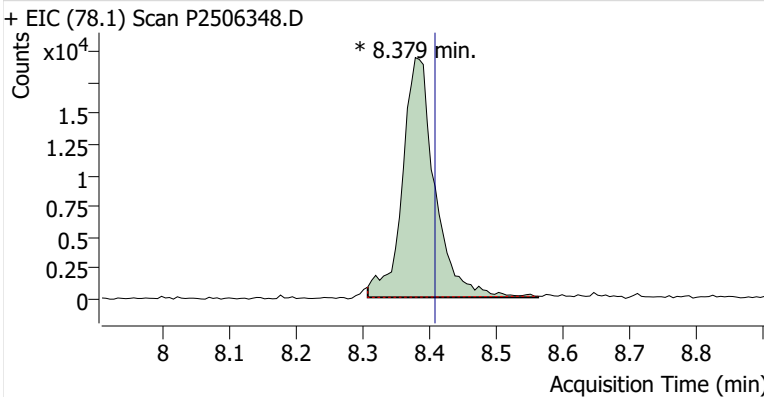


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.325	8.355	734,588	
Benzene	benzene-d6 (IS)	8.379	8.408	65,945	m
Toluene-d8 (IS)		10.895	10.913	796,727	
Toluene	Toluene-d8 (IS)	10.984	11.008	56,833	
Ethylbenzene	Toluene-d8 (IS)	13.115	13.139	8,661	
m-/p-Xylenes	Toluene-d8 (IS)	13.287	13.311	20,369	
o-Xylene	Toluene-d8 (IS)	13.780	13.798	8,330	

**benzene-d6 (IS)**

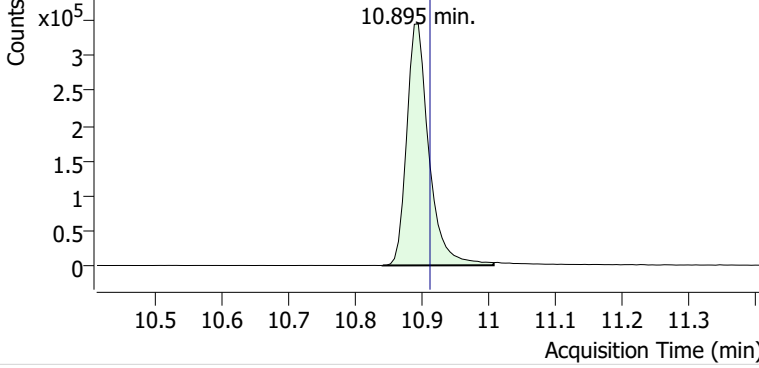


**Benzene**

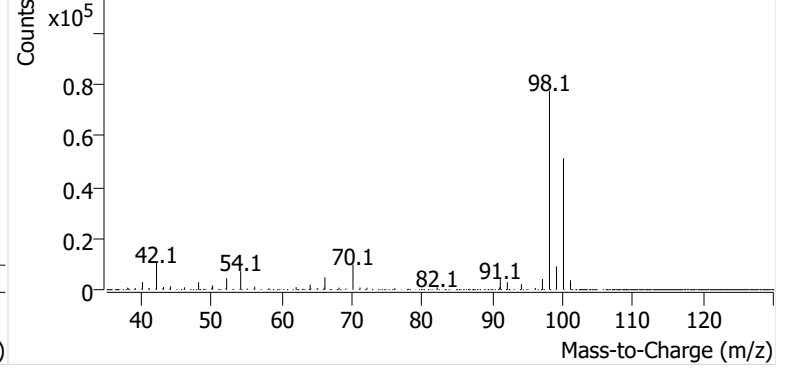


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2506348.D

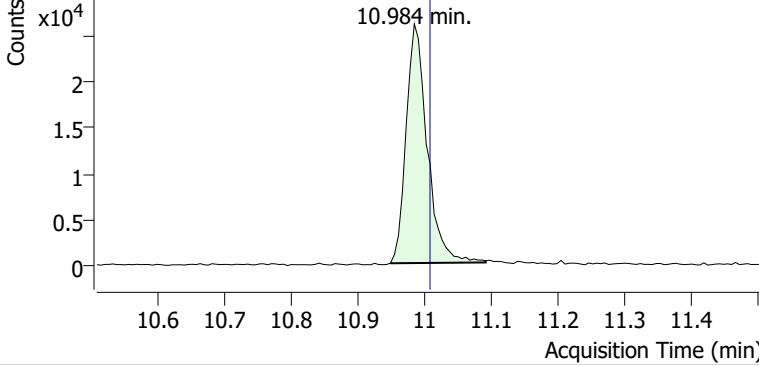


+ Scan (10.842-11.008 min, 29 scans) P2506348.D

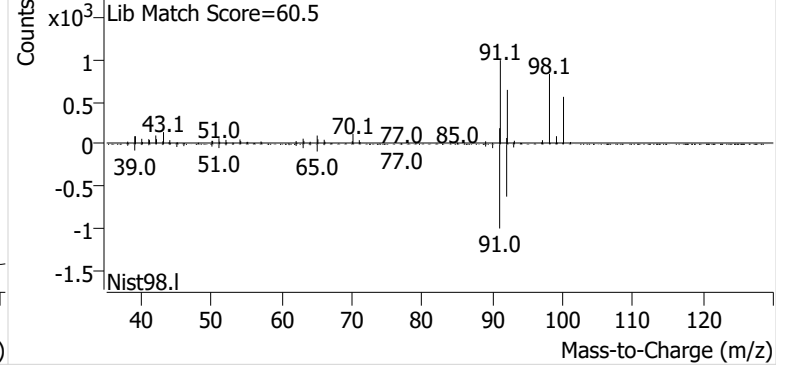


**Toluene**

+ EIC (91.1) Scan P2506348.D

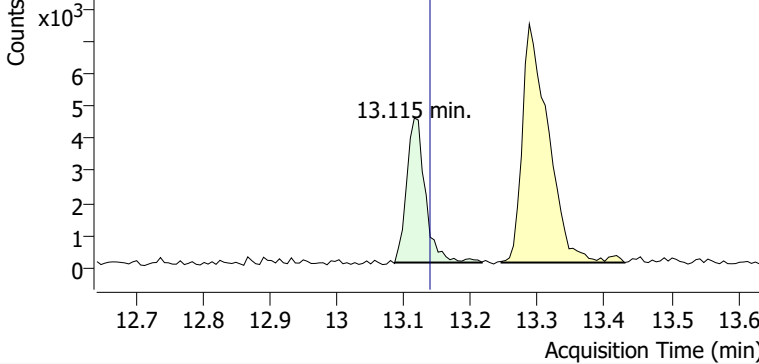


+ Scan (10.948-11.091 min, 25 scans) P2506348.D

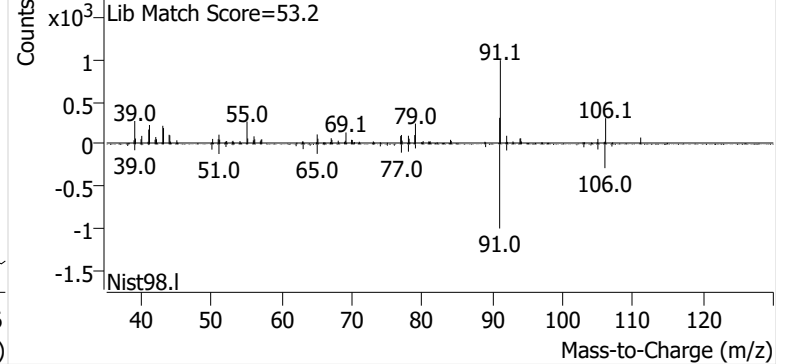


**Ethylbenzene**

+ EIC (91.1) Scan P2506348.D

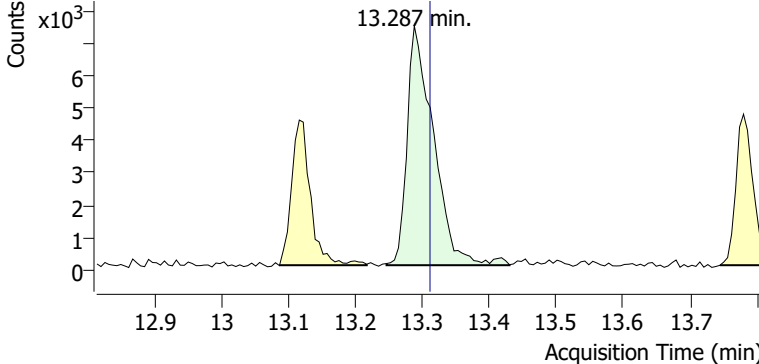


+ Scan (13.086-13.216 min, 22 scans) P2506348.D

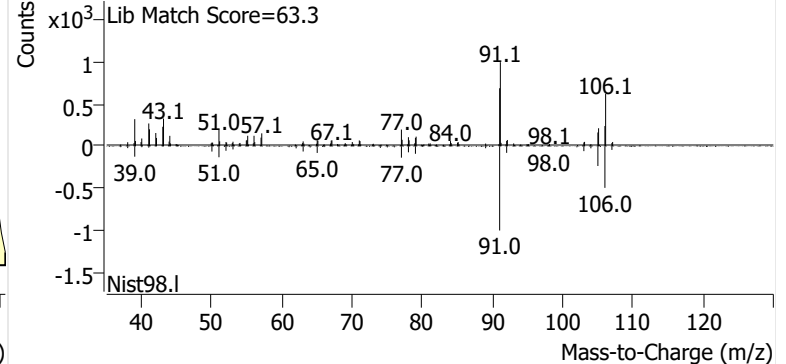


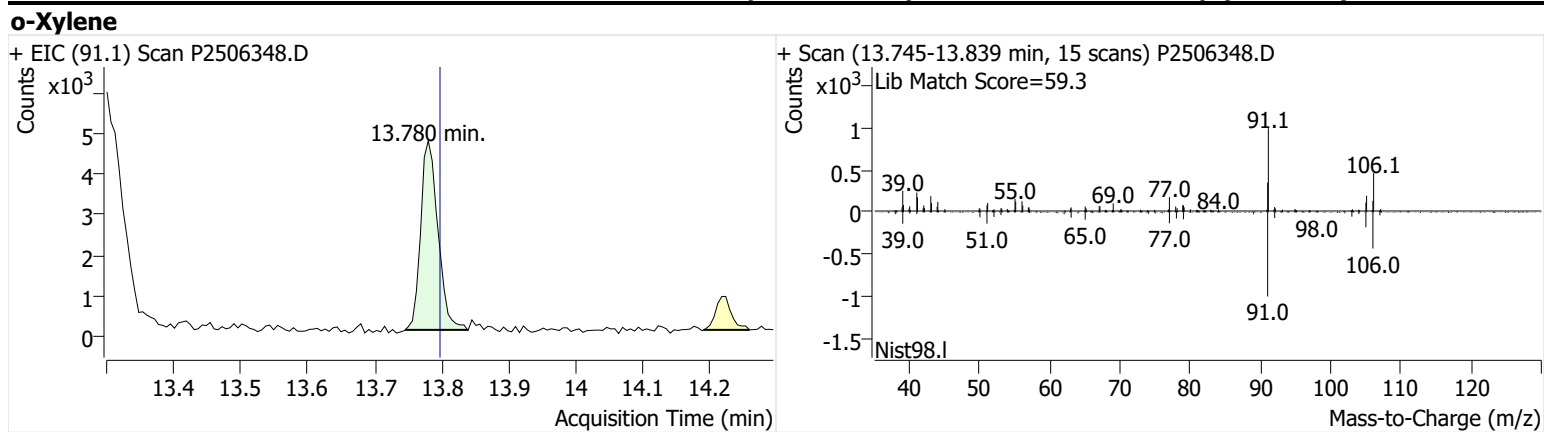
**m-/p-Xylenes**

+ EIC (91.1) Scan P2506348.D



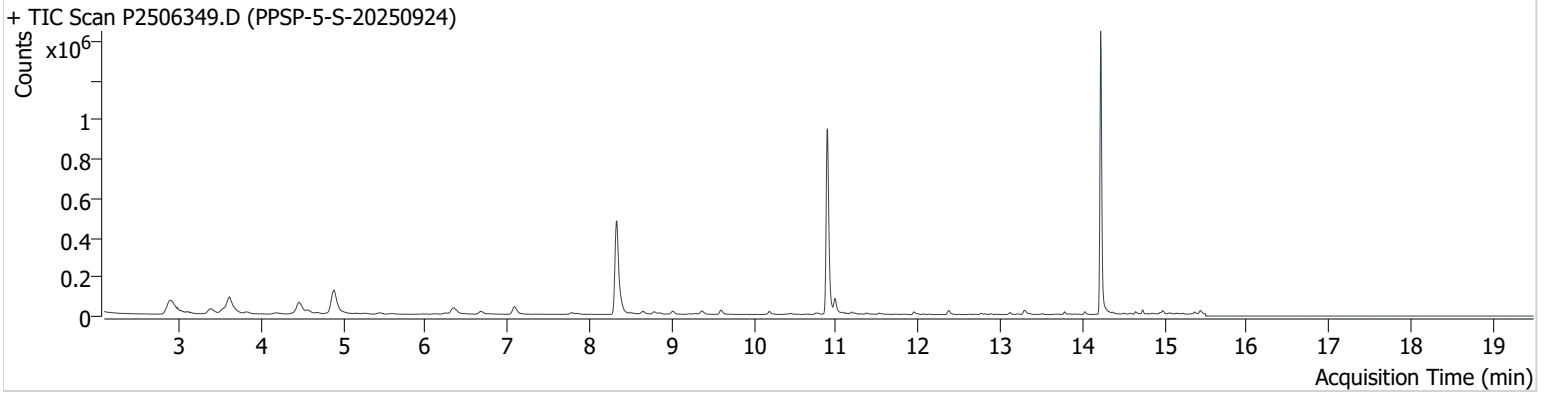
+ Scan (13.246-13.430 min, 32 scans) P2506348.D





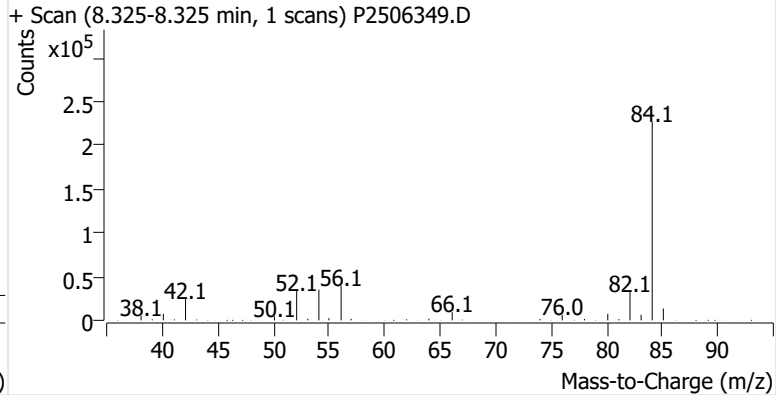
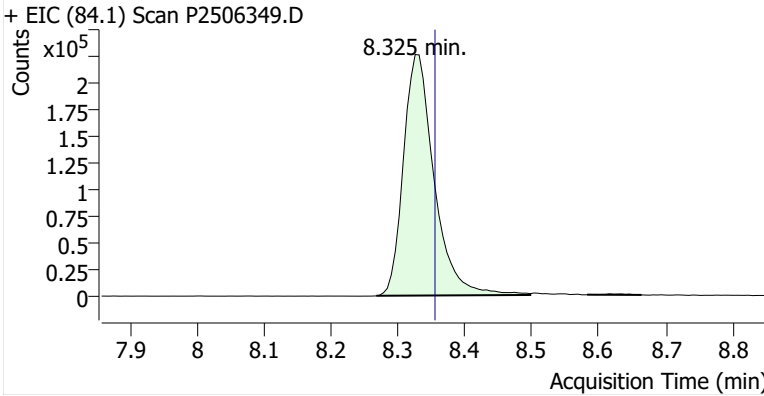
**Name** PPSP-5-S-20250924  
**Comment** C57090  
**Data File** P2506349.D  
**Acq. Date-Time** 10/10/2025 7:20:09 PM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

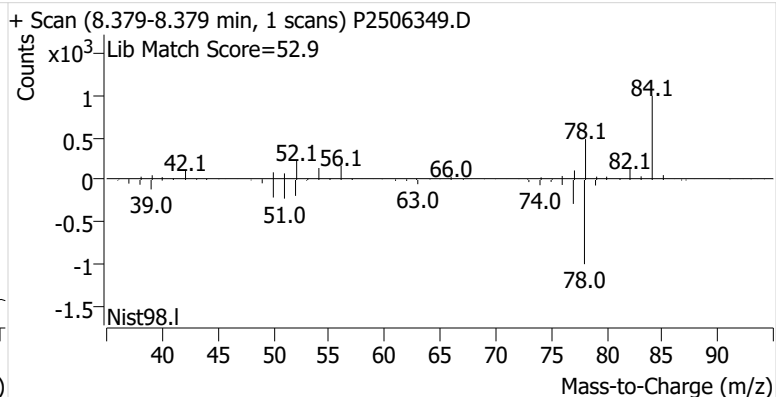
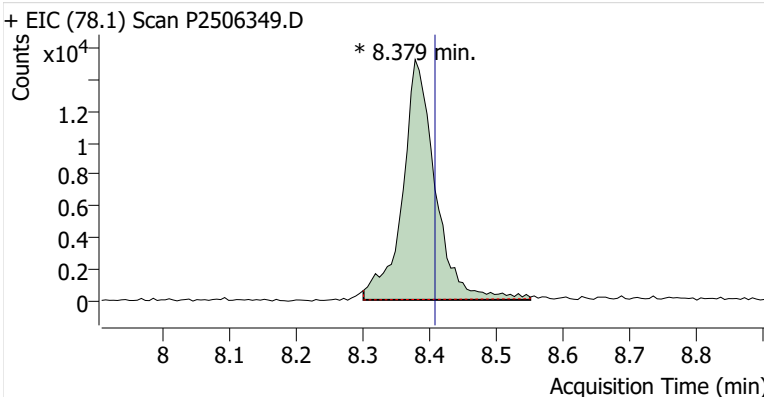


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.325	8.355	725,130	
Benzene	benzene-d6 (IS)	8.379	8.408	51,987	m
Toluene-d8 (IS)		10.889	10.913	791,610	
Toluene	Toluene-d8 (IS)	10.990	11.008	52,479	
Ethylbenzene	Toluene-d8 (IS)	13.121	13.139	7,585	
m-/p-Xylenes	Toluene-d8 (IS)	13.293	13.311	20,071	
o-Xylene	Toluene-d8 (IS)	13.780	13.798	7,675	

**benzene-d6 (IS)**

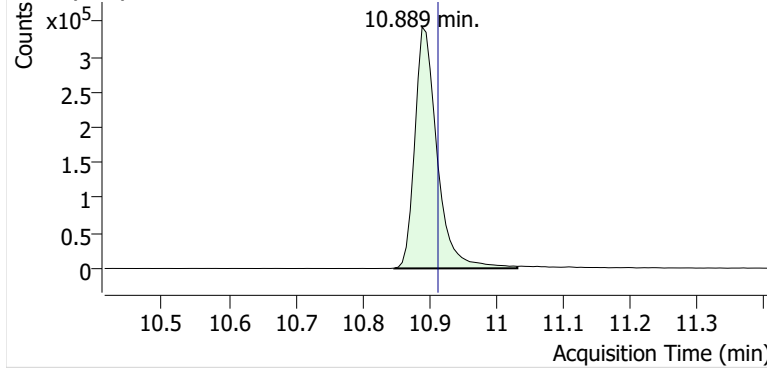


**Benzene**

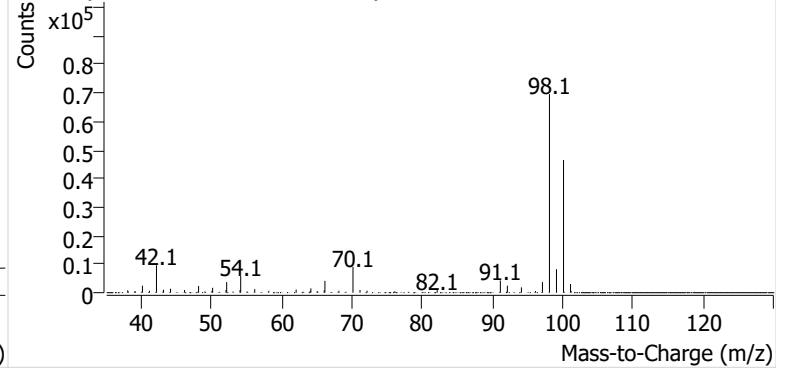


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2506349.D

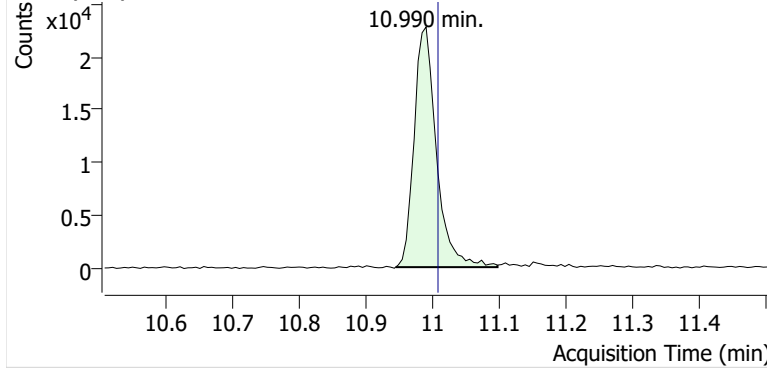


+ Scan (10.848-11.032 min, 32 scans) P2506349.D

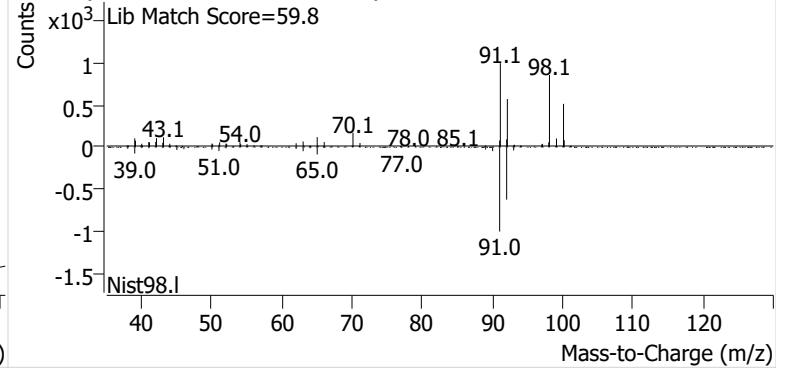


**Toluene**

+ EIC (91.1) Scan P2506349.D

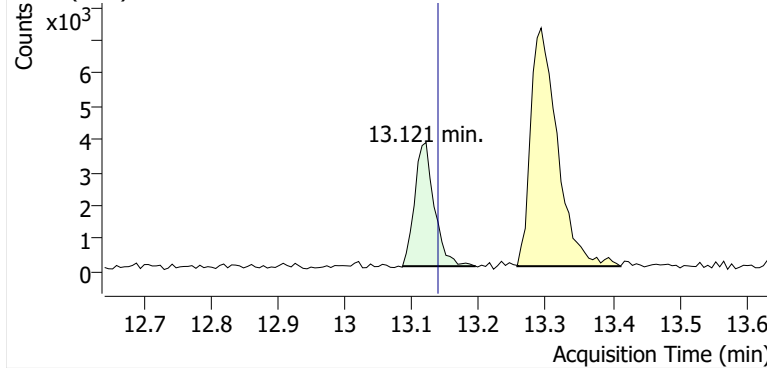


+ Scan (10.945-11.097 min, 26 scans) P2506349.D

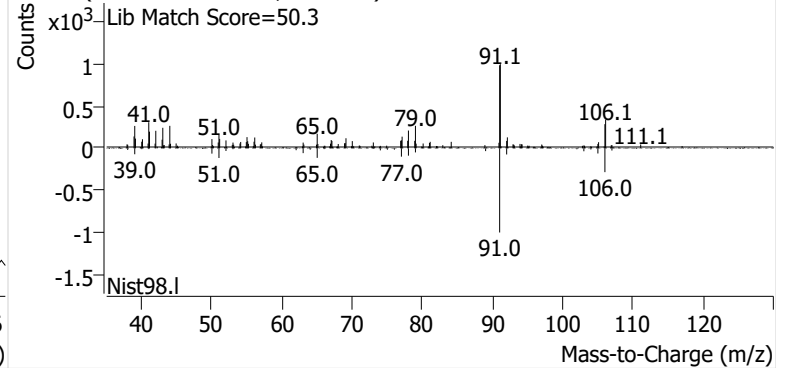


**Ethylbenzene**

+ EIC (91.1) Scan P2506349.D

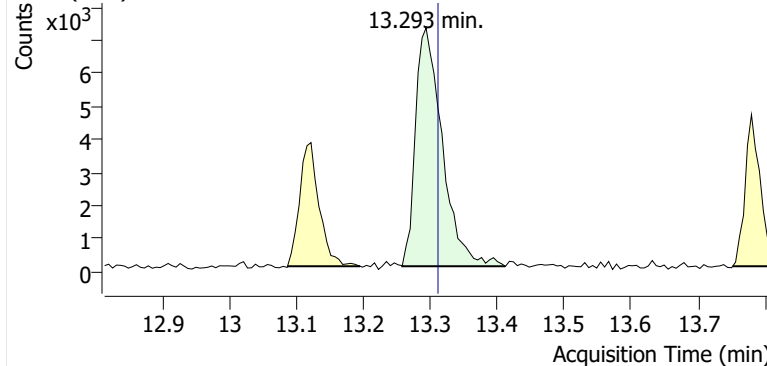


+ Scan (13.086-13.195 min, 18 scans) P2506349.D

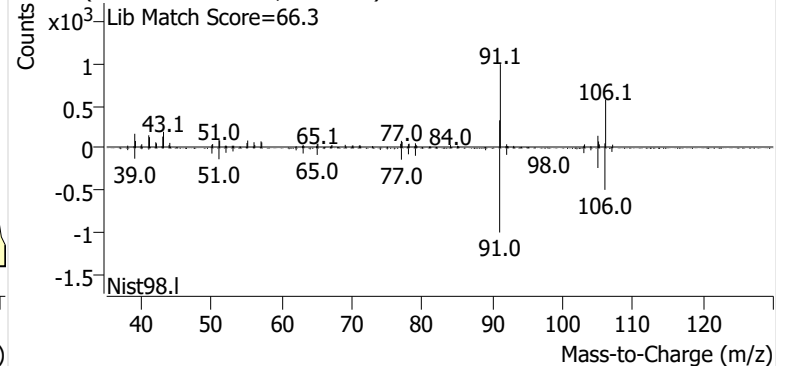


**m-/p-Xylenes**

+ EIC (91.1) Scan P2506349.D

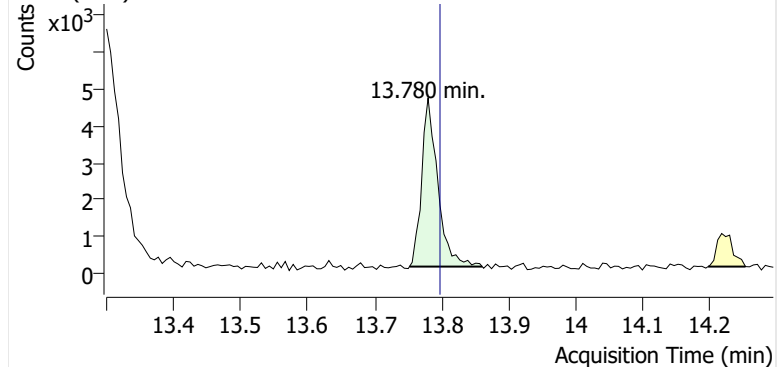


+ Scan (13.257-13.411 min, 26 scans) P2506349.D

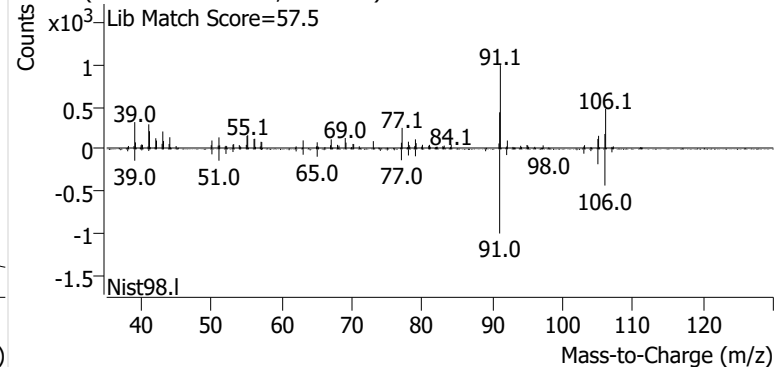


**o-Xylene**

+ EIC (91.1) Scan P2506349.D

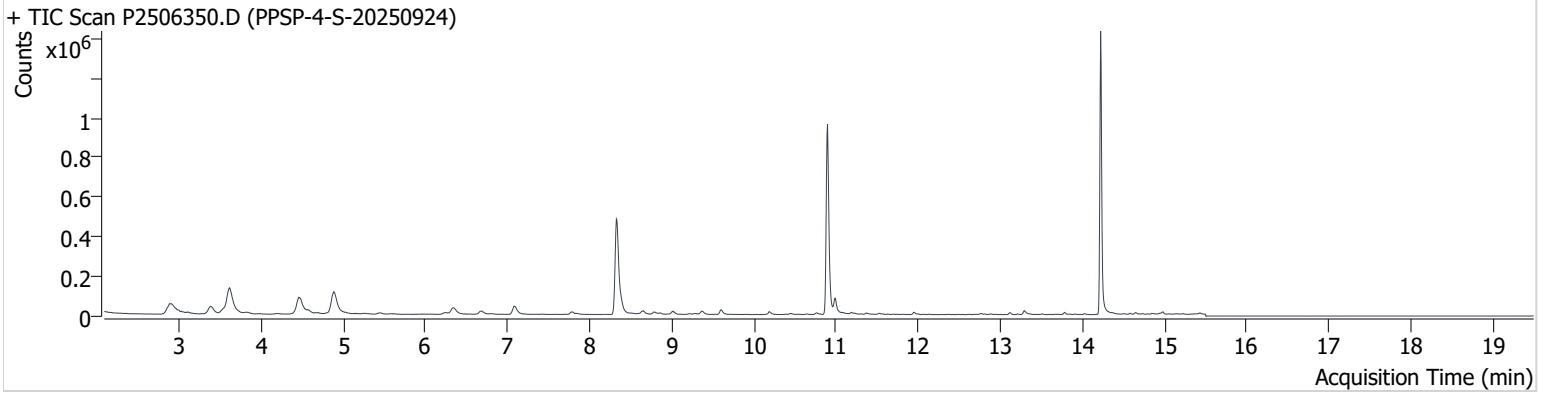


+ Scan (13.752-13.861 min, 18 scans) P2506349.D



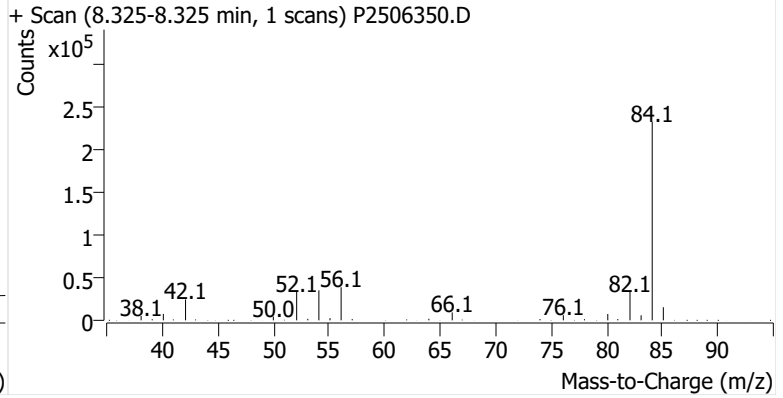
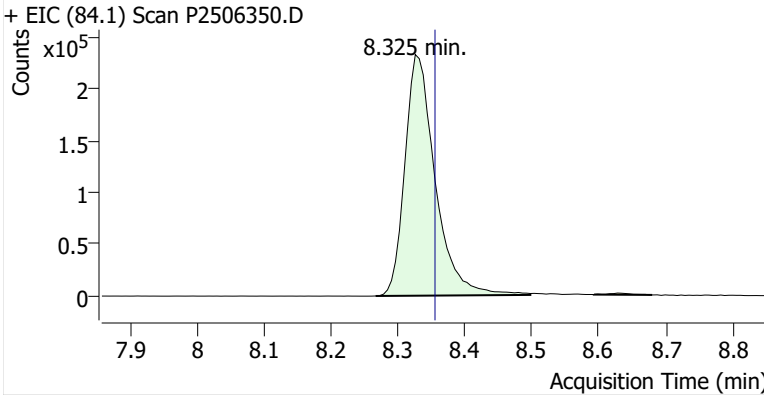
**Name** PPSP-4-S-20250924  
**Comment** B46861  
**Data File** P2506350.D  
**Acq. Date-Time** 10/10/2025 7:57:30 PM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

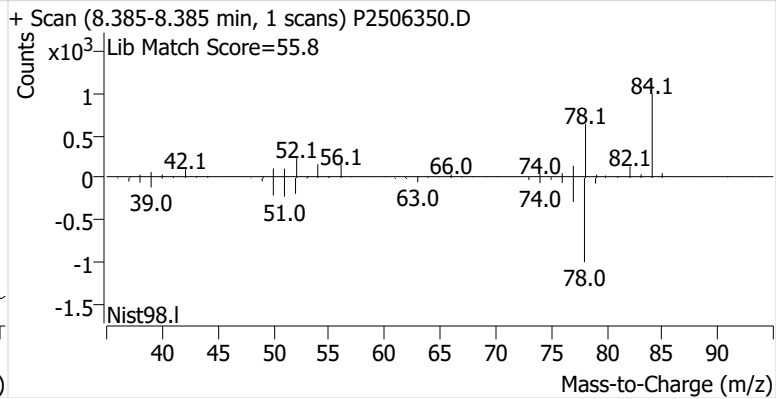
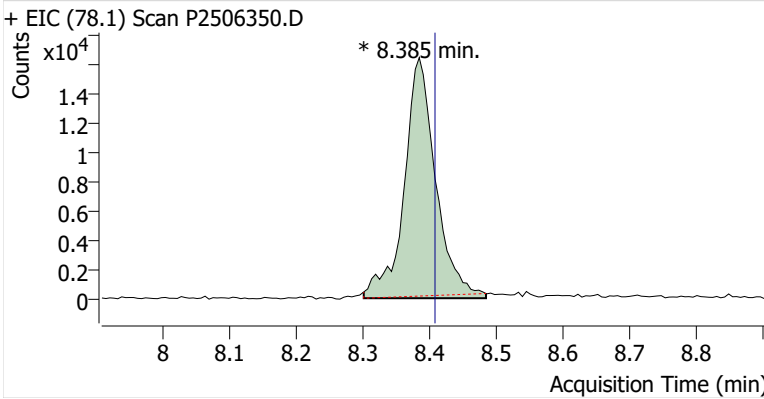


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.325	8.355	732,590	
Benzene	benzene-d6 (IS)	8.385	8.408	54,312	m
Toluene-d8 (IS)		10.895	10.913	787,906	
Toluene	Toluene-d8 (IS)	10.984	11.008	55,619	
Ethylbenzene	Toluene-d8 (IS)	13.115	13.139	7,871	
m-/p-Xylenes	Toluene-d8 (IS)	13.287	13.311	17,114	
o-Xylene	Toluene-d8 (IS)	13.780	13.798	6,984	

**benzene-d6 (IS)**

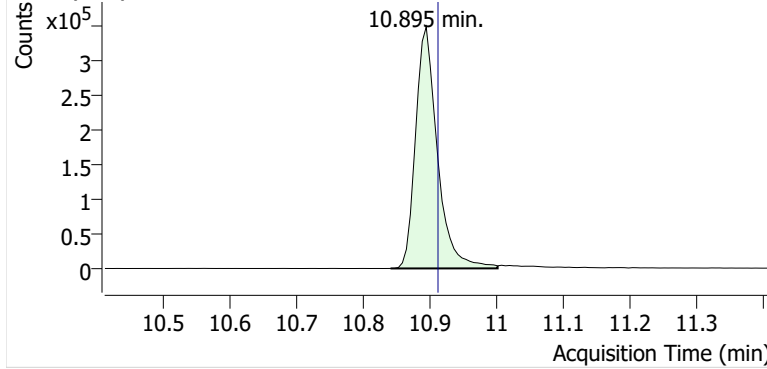


**Benzene**

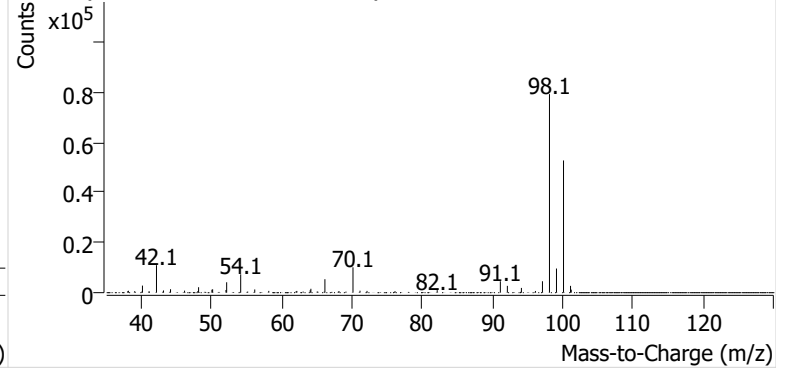


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2506350.D

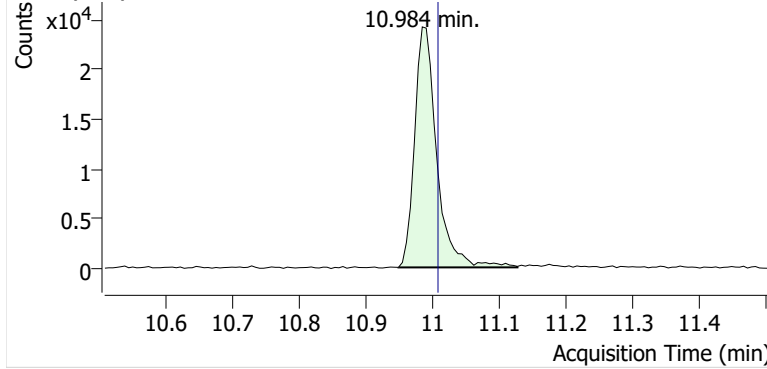


+ Scan (10.842-11.002 min, 28 scans) P2506350.D

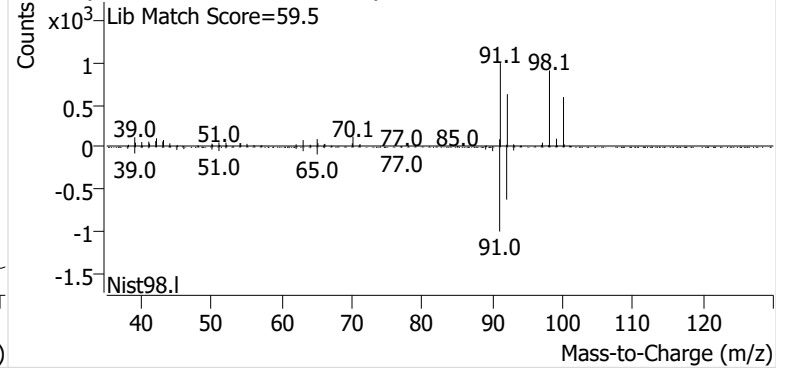


**Toluene**

+ EIC (91.1) Scan P2506350.D

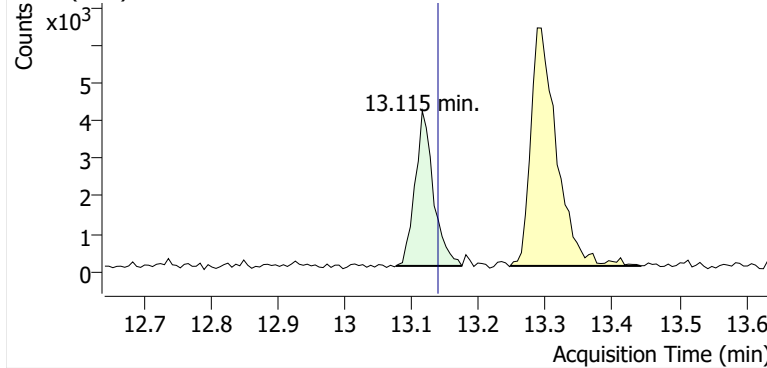


+ Scan (10.949-11.127 min, 31 scans) P2506350.D

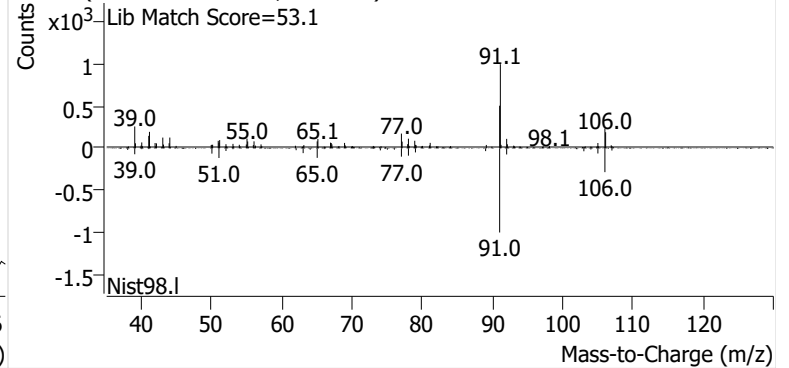


**Ethylbenzene**

+ EIC (91.1) Scan P2506350.D

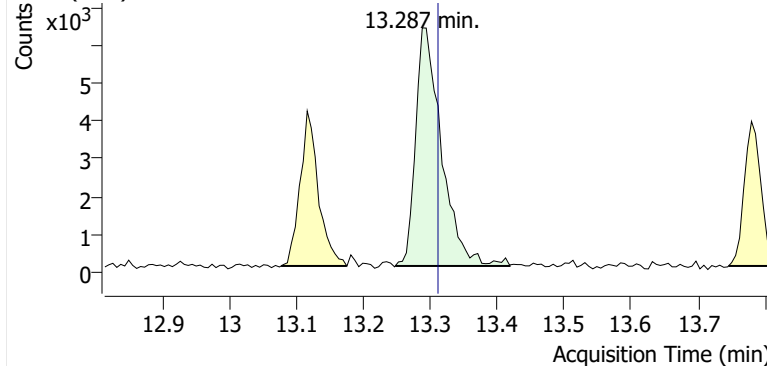


+ Scan (13.076-13.174 min, 16 scans) P2506350.D

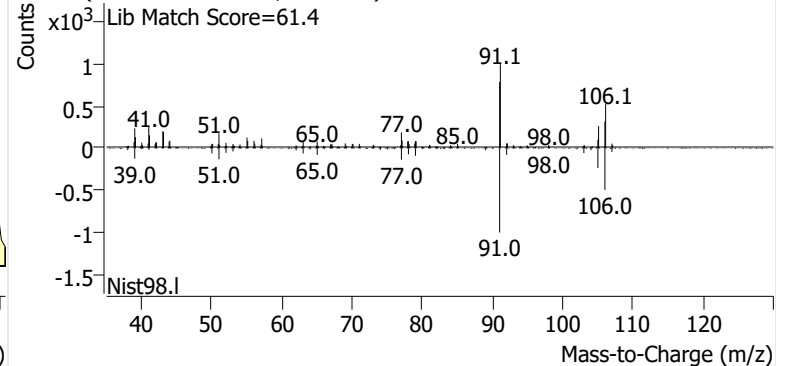


**m-/p-Xylenes**

+ EIC (91.1) Scan P2506350.D

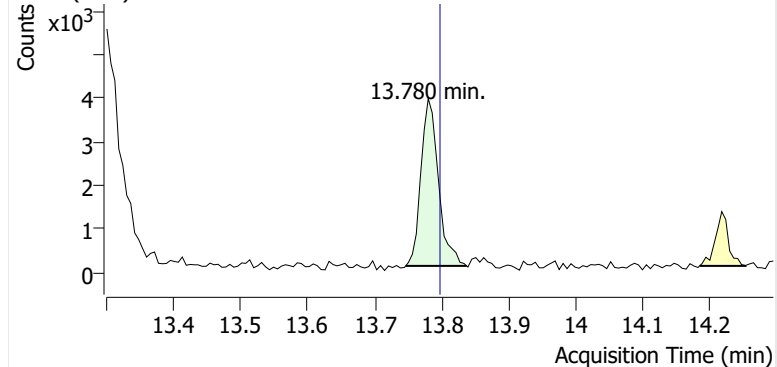


+ Scan (13.247-13.418 min, 29 scans) P2506350.D

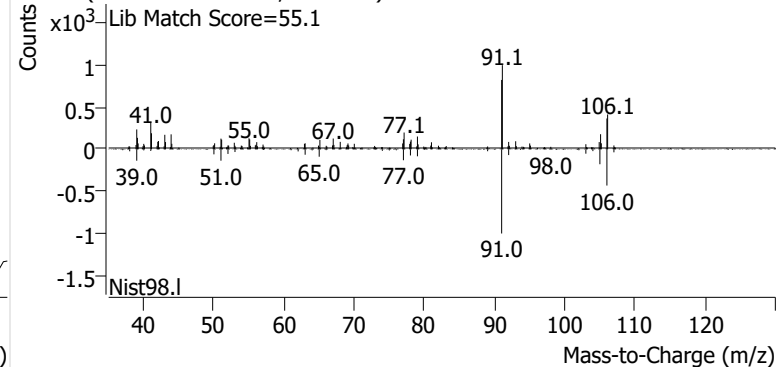


**o-Xylene**

+ EIC (91.1) Scan P2506350.D

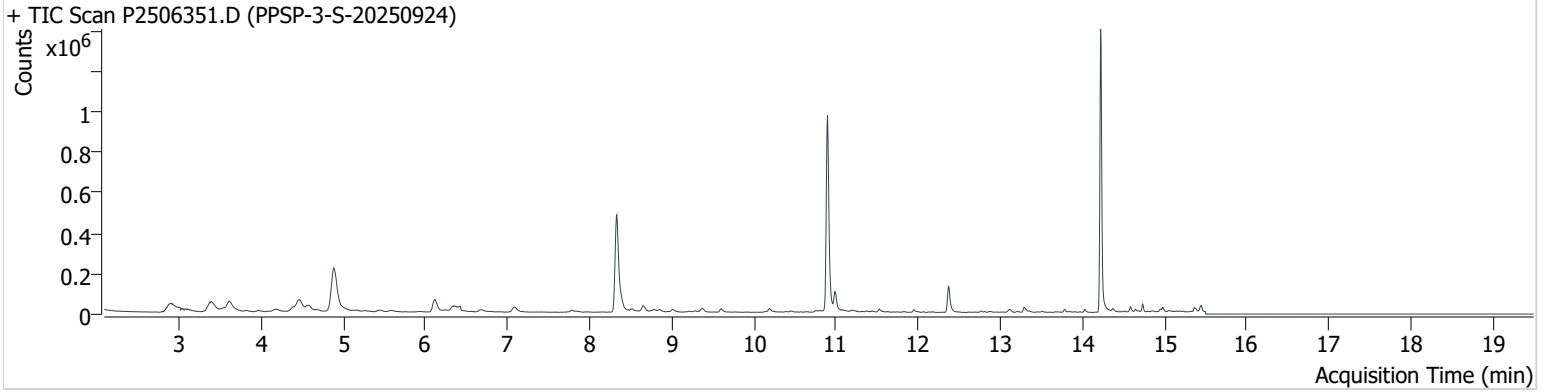


+ Scan (13.746-13.837 min, 15 scans) P2506350.D



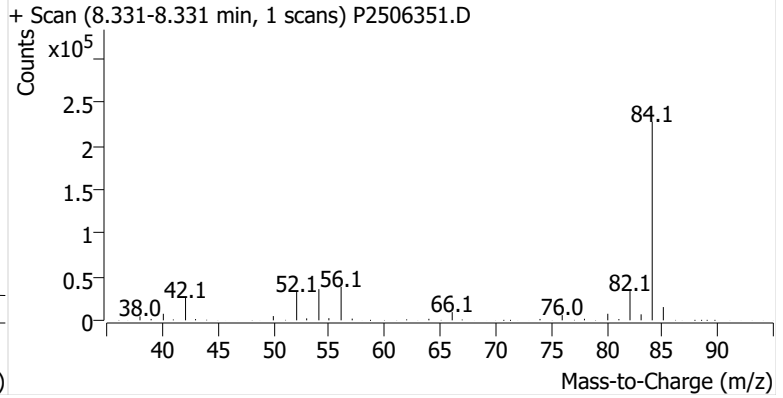
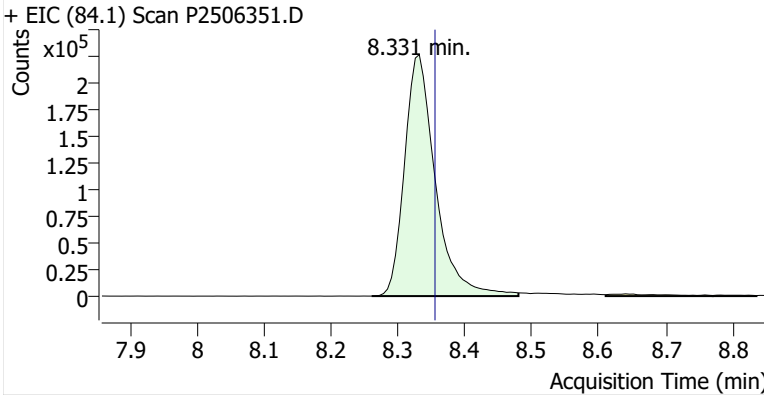
**Name** PPSP-3-S-20250924  
**Comment** C69687  
**Data File** P2506351.D  
**Acq. Date-Time** 10/10/2025 8:34:52 PM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

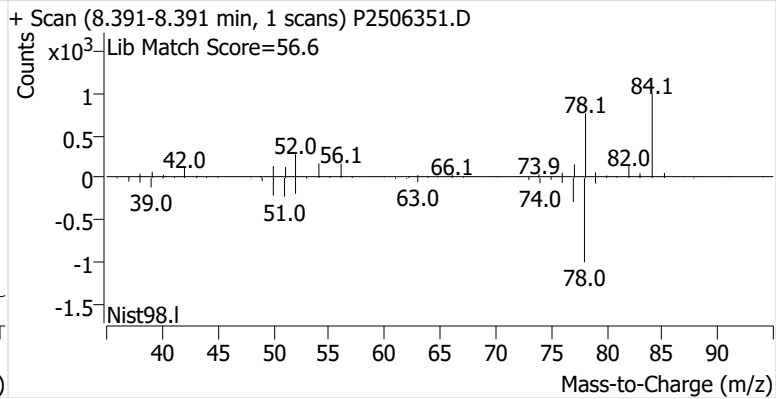
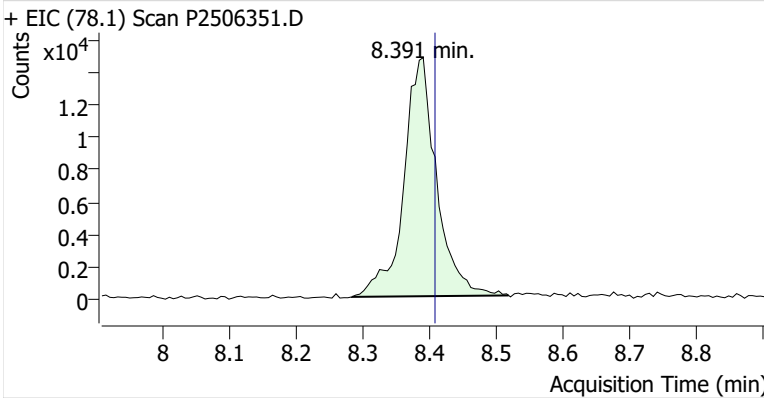


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.331	8.355	731,355	
Benzene	benzene-d6 (IS)	8.391	8.408	50,614	
Toluene-d8 (IS)		10.895	10.913	790,889	
Toluene	Toluene-d8 (IS)	10.990	11.008	71,311	
Ethylbenzene	Toluene-d8 (IS)	13.115	13.139	9,846	
m-/p-Xylenes	Toluene-d8 (IS)	13.293	13.311	22,558	
o-Xylene	Toluene-d8 (IS)	13.780	13.798	9,102	

**benzene-d6 (IS)**

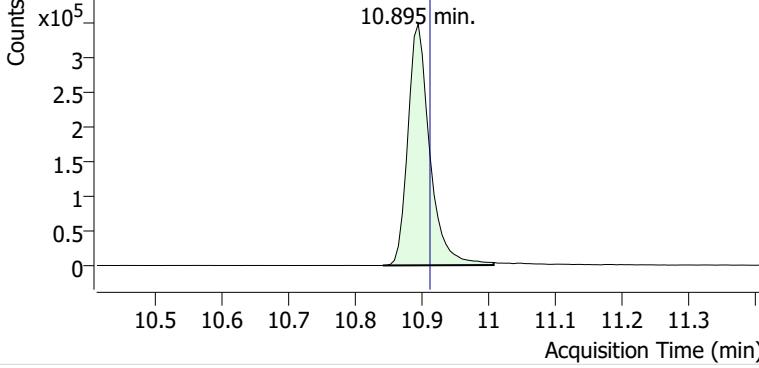


**Benzene**

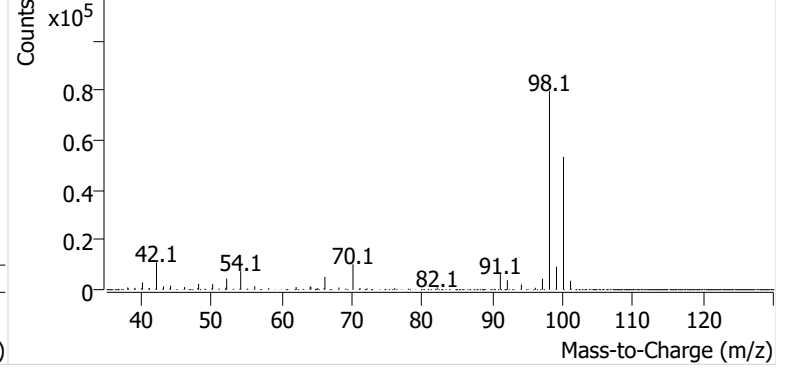


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2506351.D

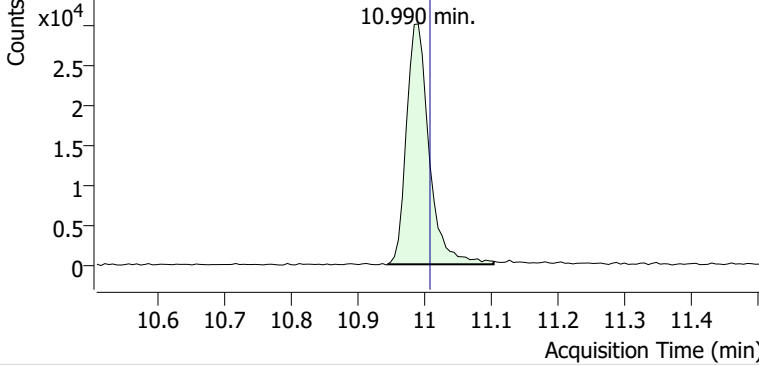


+ Scan (10.842-11.008 min, 28 scans) P2506351.D

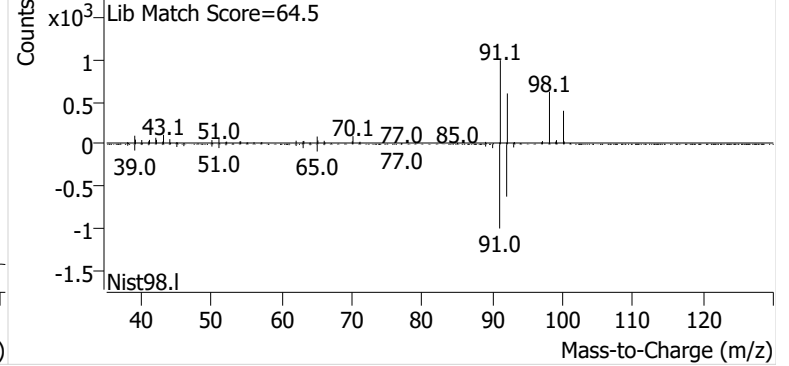


**Toluene**

+ EIC (91.1) Scan P2506351.D

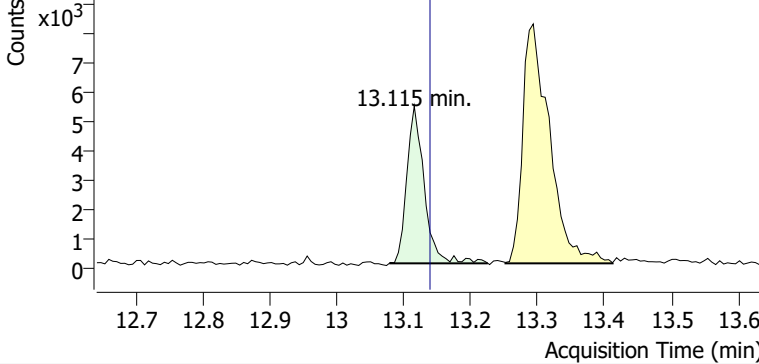


+ Scan (10.944-11.103 min, 27 scans) P2506351.D

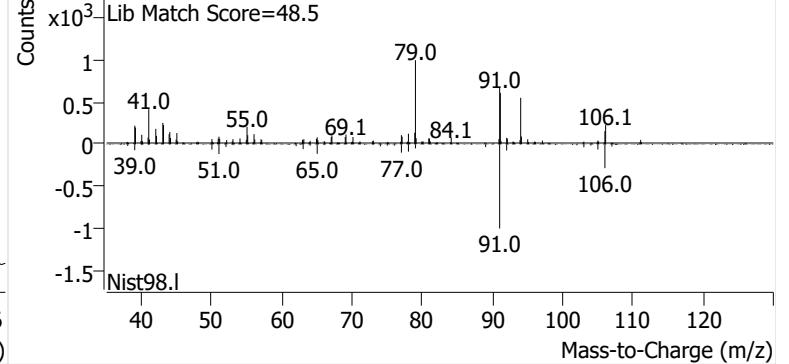


**Ethylbenzene**

+ EIC (91.1) Scan P2506351.D

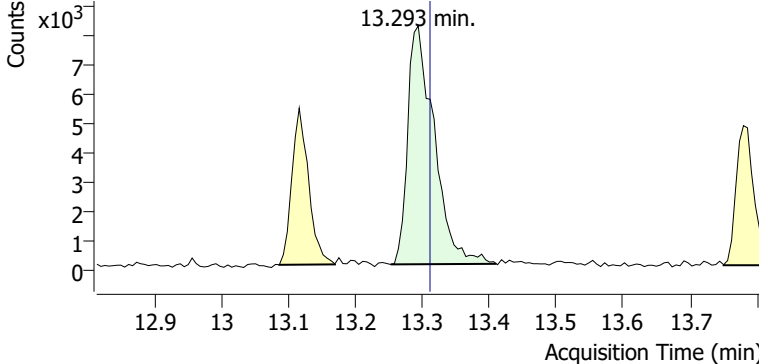


+ Scan (13.078-13.225 min, 25 scans) P2506351.D

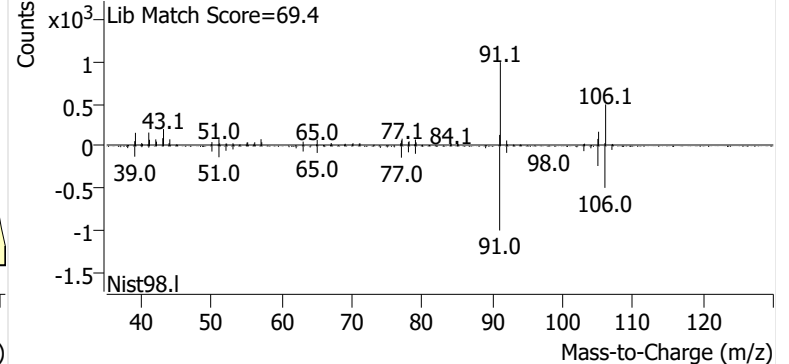


**m-/p-Xylenes**

+ EIC (91.1) Scan P2506351.D

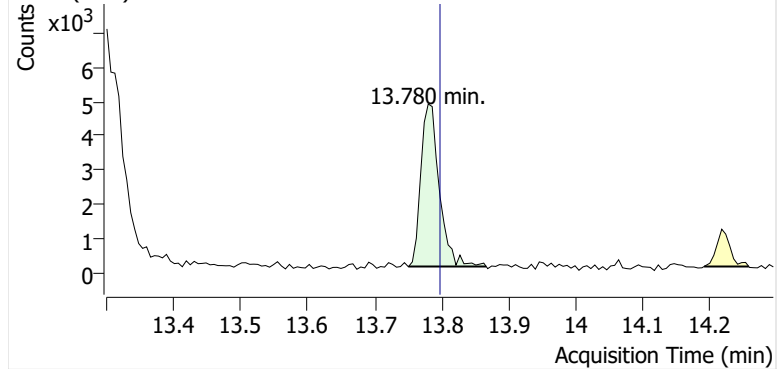


+ Scan (13.252-13.410 min, 26 scans) P2506351.D

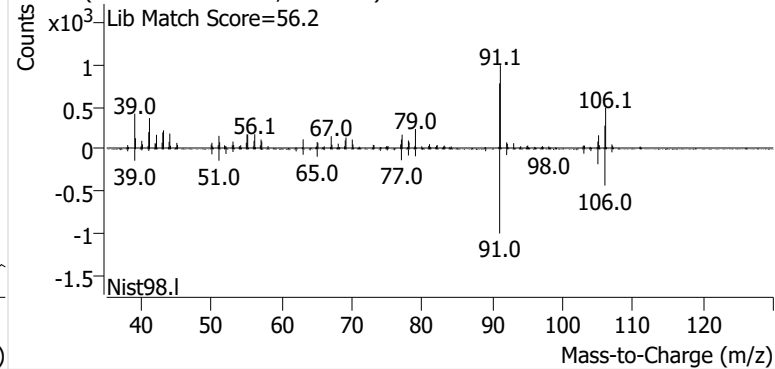


**o-Xylene**

+ EIC (91.1) Scan P2506351.D

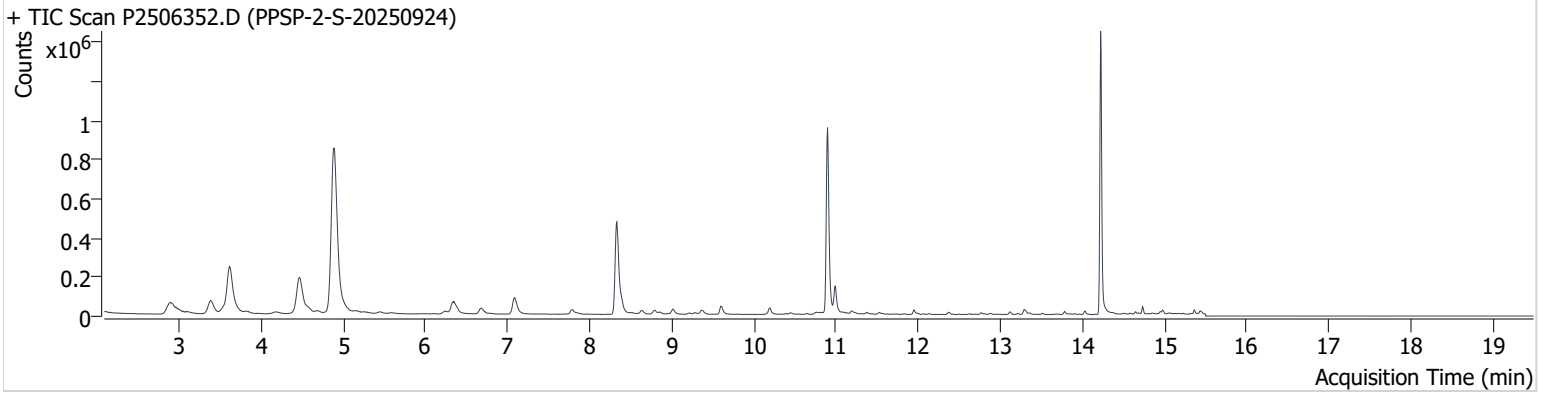


+ Scan (13.751-13.867 min, 19 scans) P2506351.D



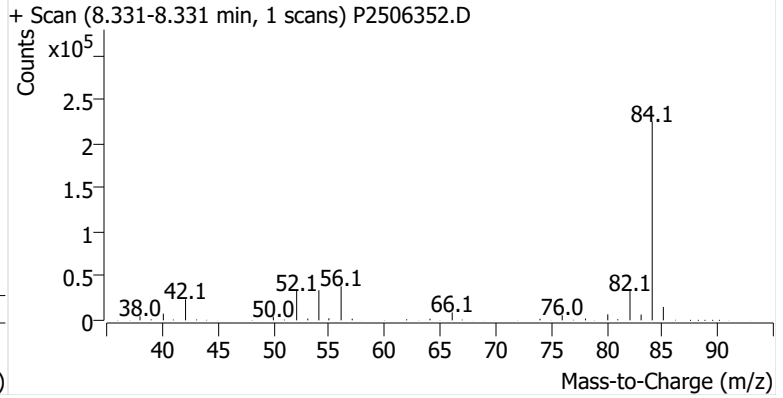
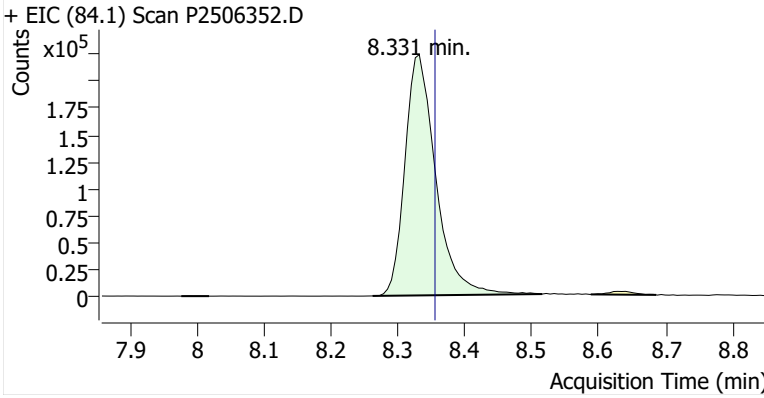
**Name** PPSP-2-S-20250924  
**Comment** C59972  
**Data File** P2506352.D  
**Acq. Date-Time** 10/10/2025 9:12:10 PM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

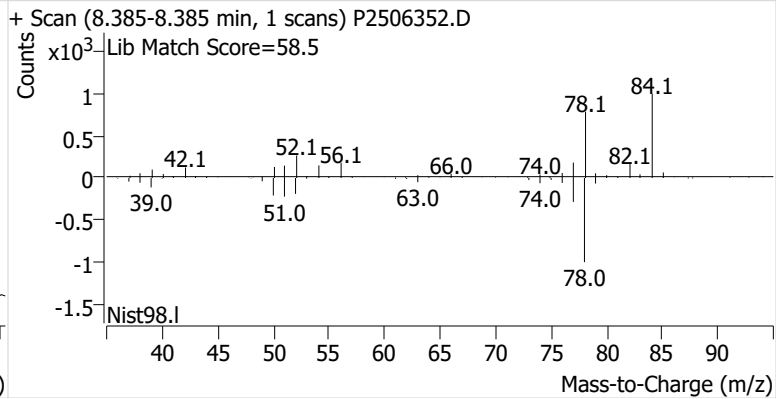
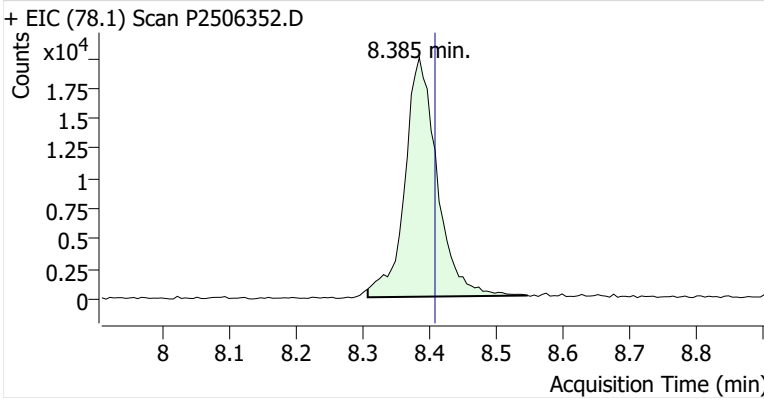


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.331	8.355	721,002	
Benzene	benzene-d6 (IS)	8.385	8.408	66,890	
Toluene-d8 (IS)		10.895	10.913	789,252	
Toluene	Toluene-d8 (IS)	10.984	11.008	110,061	
Ethylbenzene	Toluene-d8 (IS)	13.121	13.139	9,067	
m-/p-Xylenes	Toluene-d8 (IS)	13.287	13.311	22,810	
o-Xylene	Toluene-d8 (IS)	13.780	13.798	9,069	

**benzene-d6 (IS)**

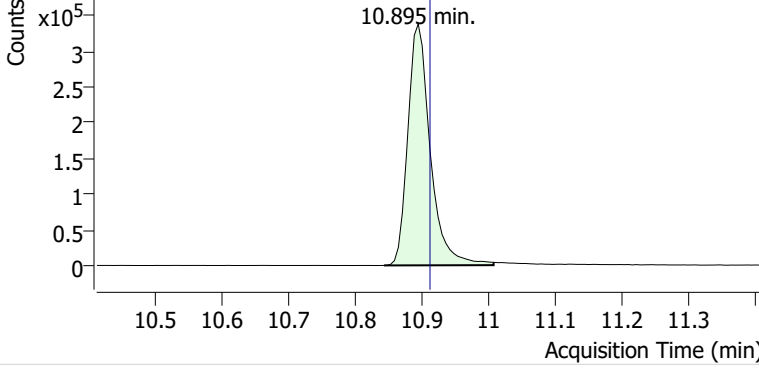


**Benzene**

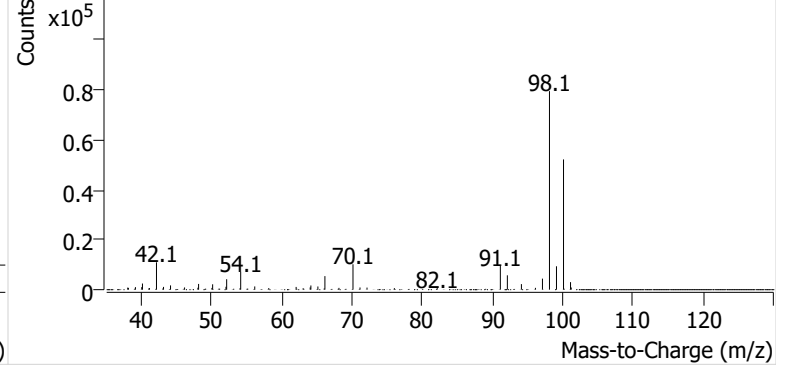


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2506352.D

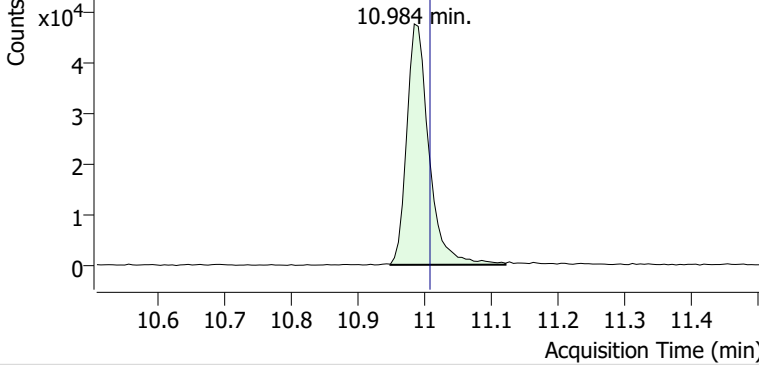


+ Scan (10.844-11.008 min, 28 scans) P2506352.D

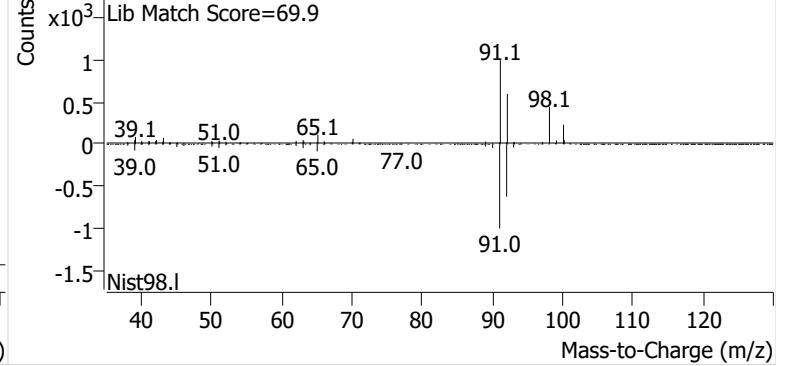


**Toluene**

+ EIC (91.1) Scan P2506352.D

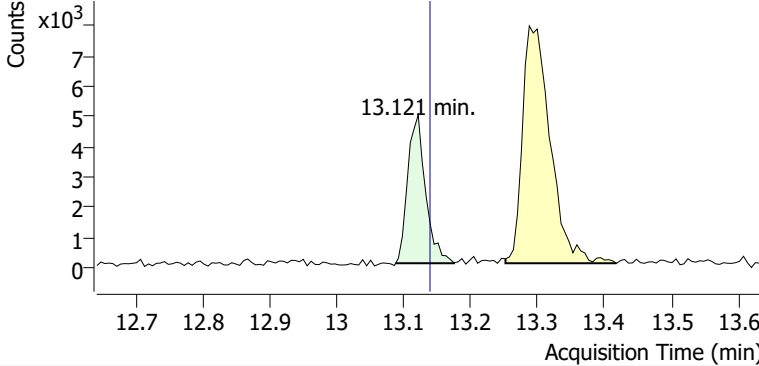


+ Scan (10.949-11.121 min, 30 scans) P2506352.D

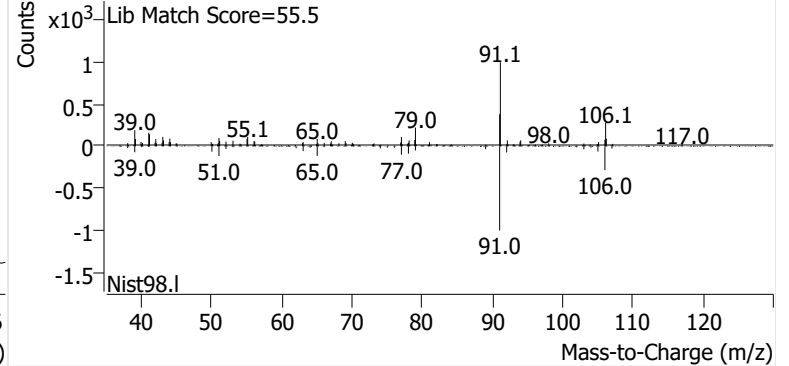


**Ethylbenzene**

+ EIC (91.1) Scan P2506352.D

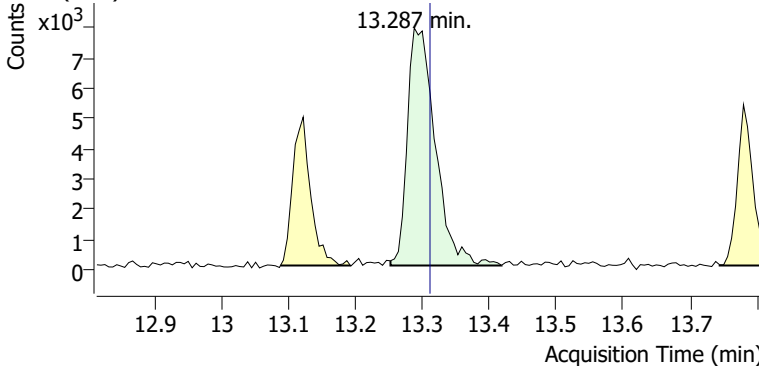


+ Scan (13.087-13.175 min, 15 scans) P2506352.D

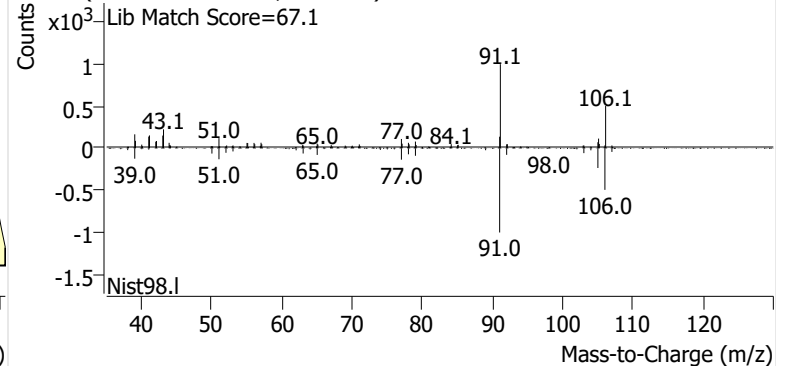


**m-/p-Xylenes**

+ EIC (91.1) Scan P2506352.D

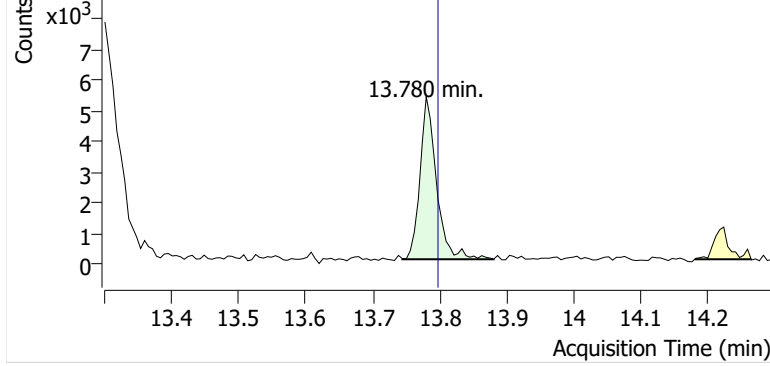


+ Scan (13.252-13.418 min, 29 scans) P2506352.D

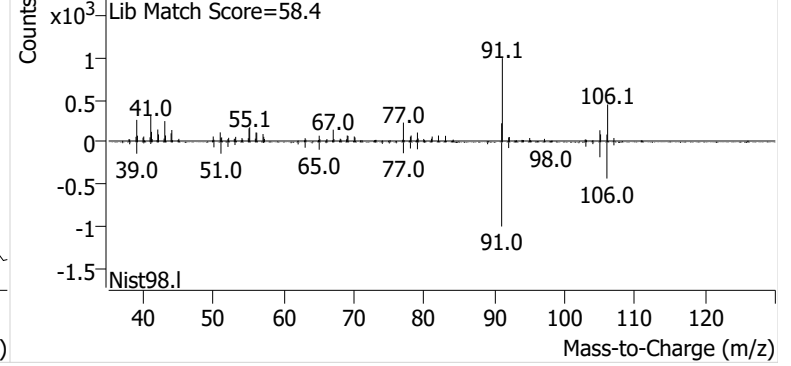


**o-Xylene**

+ EIC (91.1) Scan P2506352.D

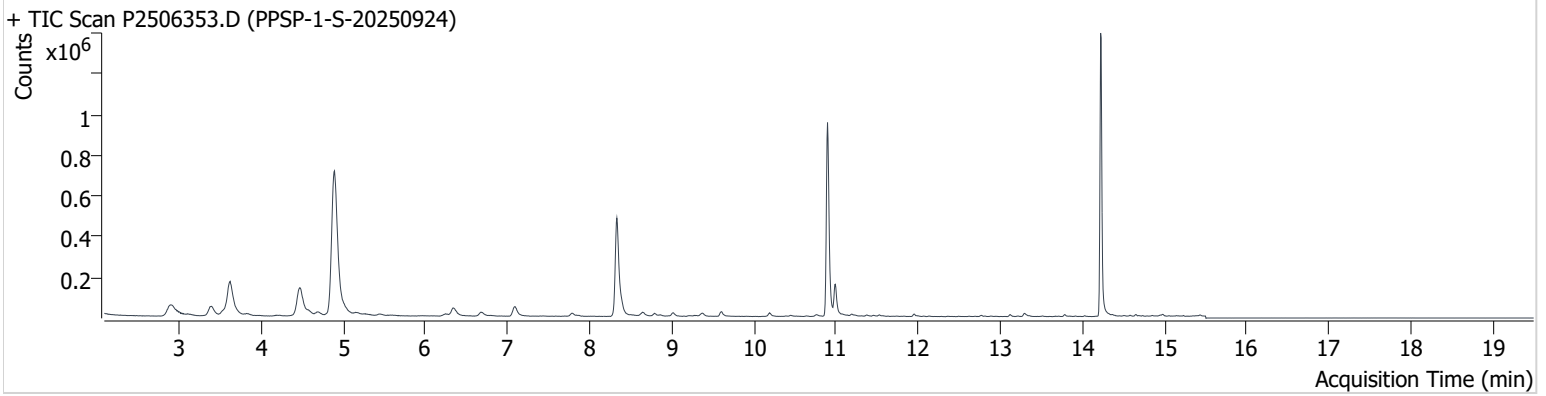


+ Scan (13.744-13.881 min, 24 scans) P2506352.D



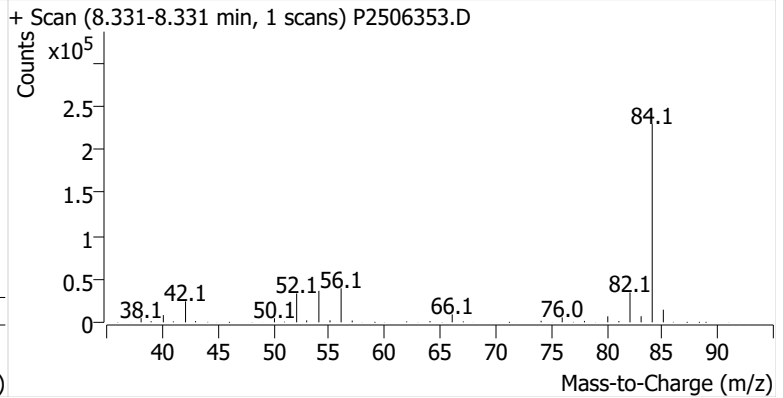
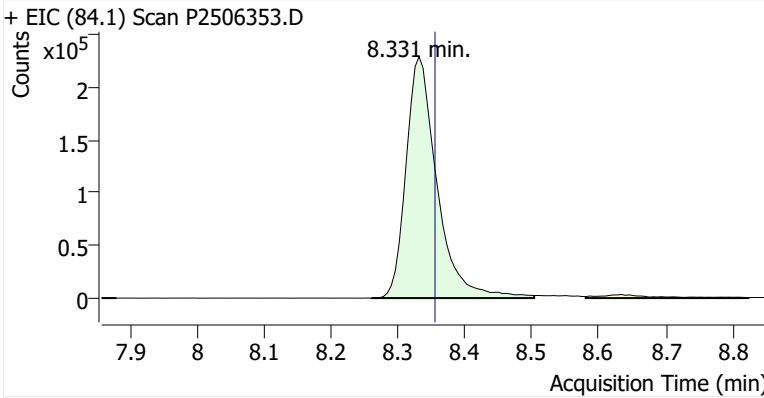
**Name** PPSP-1-S-20250924  
**Comment** C00811  
**Data File** P2506353.D  
**Acq. Date-Time** 10/10/2025 9:49:30 PM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

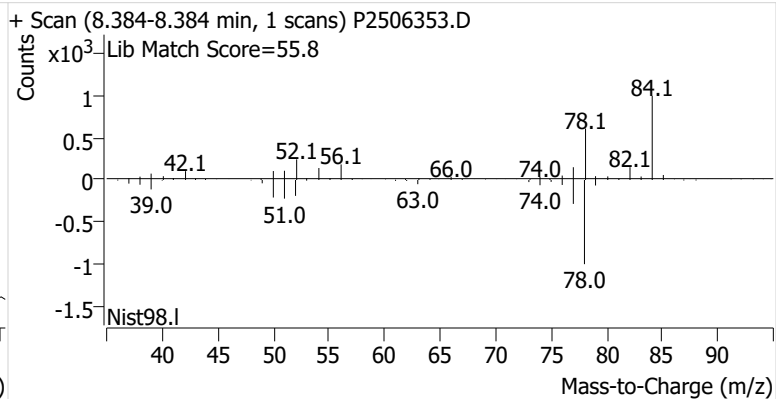
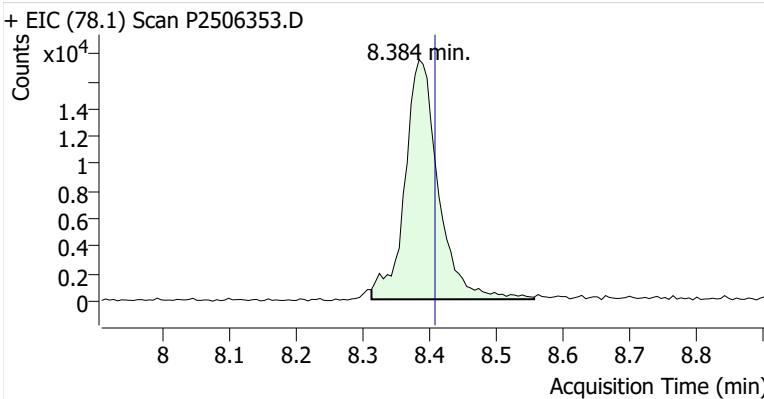


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.331	8.355	737,740	
Benzene	benzene-d6 (IS)	8.384	8.408	60,926	
Toluene-d8 (IS)		10.895	10.913	802,136	
Toluene	Toluene-d8 (IS)	10.990	11.008	128,303	
Ethylbenzene	Toluene-d8 (IS)	13.115	13.139	7,866	
m-/p-Xylenes	Toluene-d8 (IS)	13.293	13.311	14,041	
o-Xylene	Toluene-d8 (IS)	13.780	13.798	5,814	

**benzene-d6 (IS)**

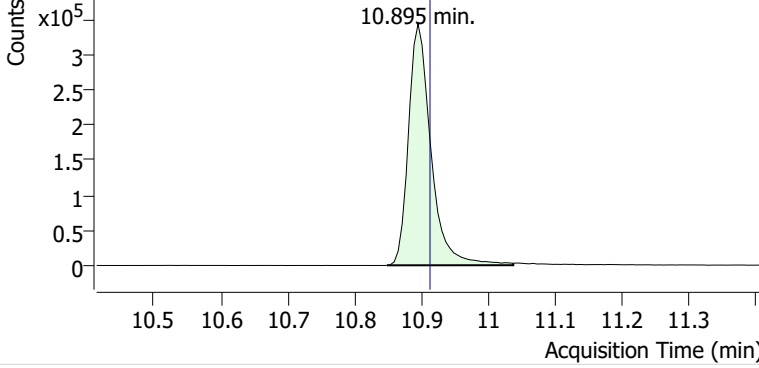


**Benzene**

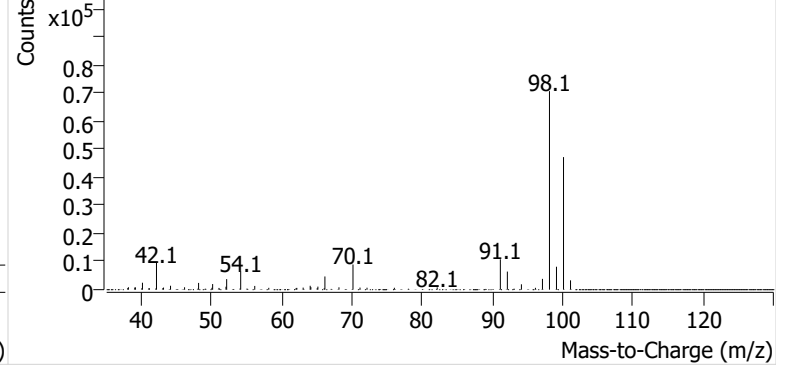


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2506353.D

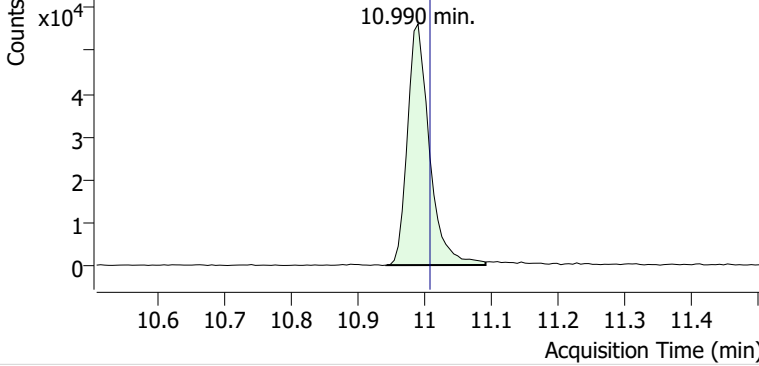


+ Scan (10.849-11.038 min, 32 scans) P2506353.D

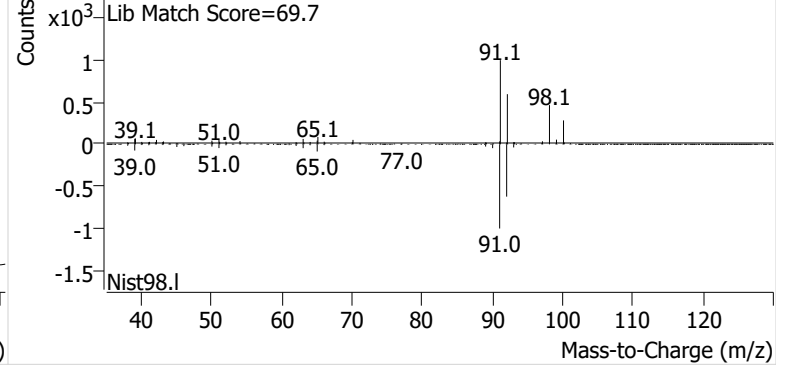


**Toluene**

+ EIC (91.1) Scan P2506353.D

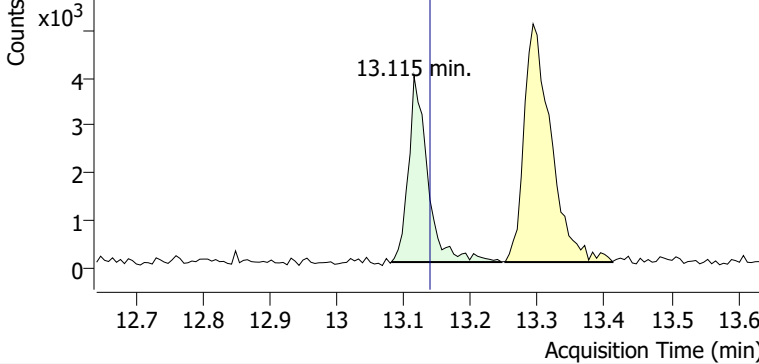


+ Scan (10.943-11.091 min, 26 scans) P2506353.D

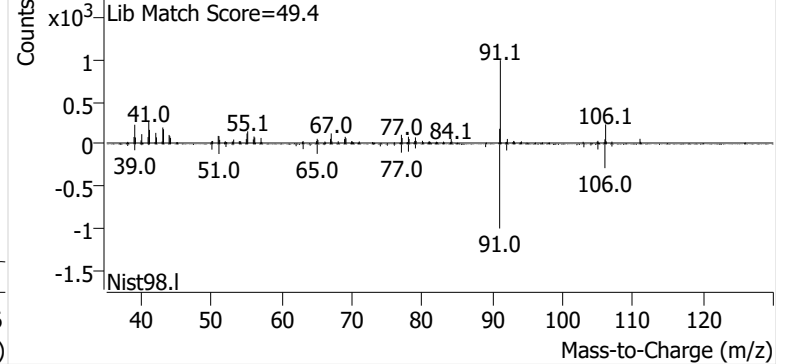


**Ethylbenzene**

+ EIC (91.1) Scan P2506353.D

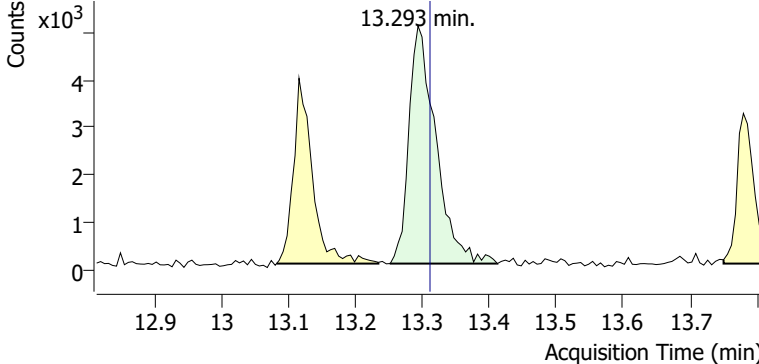


+ Scan (13.081-13.246 min, 28 scans) P2506353.D

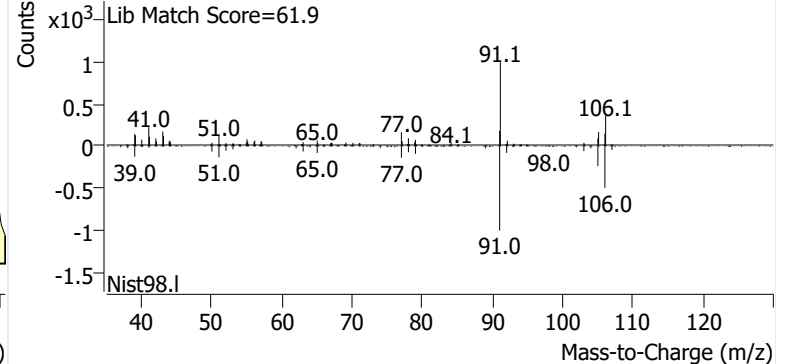


**m-/p-Xylenes**

+ EIC (91.1) Scan P2506353.D

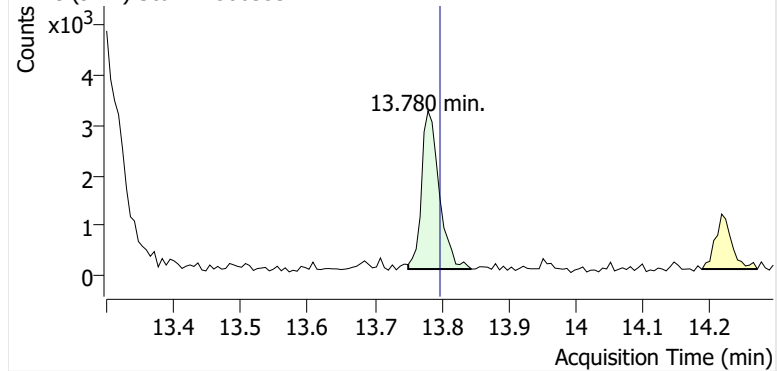


+ Scan (13.251-13.412 min, 28 scans) P2506353.D

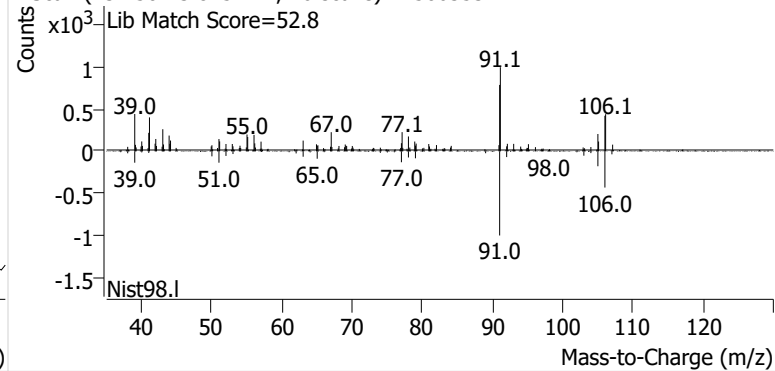


**o-Xylene**

+ EIC (91.1) Scan P2506353.D

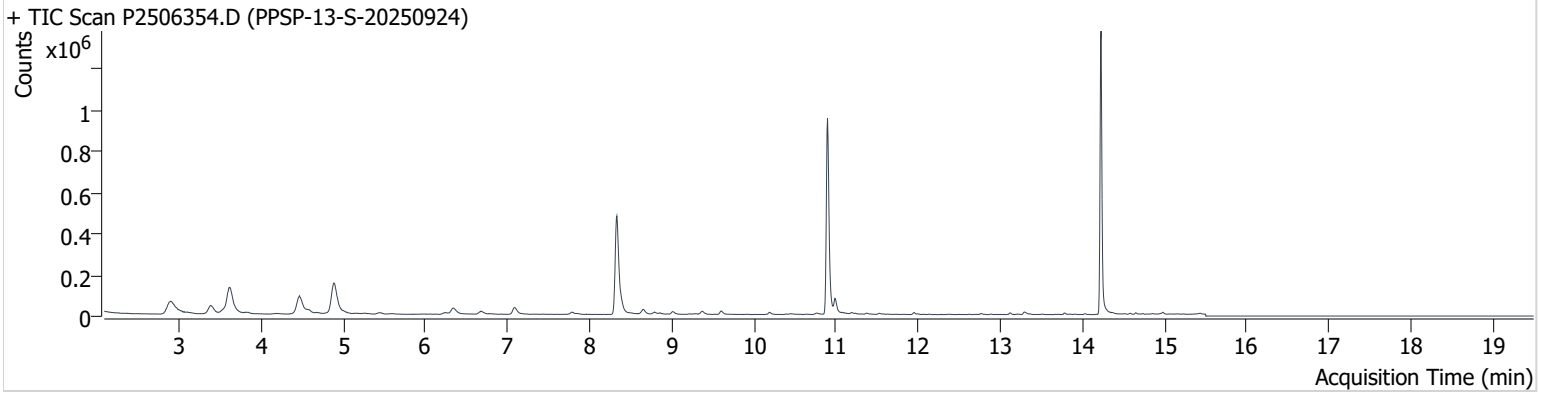


+ Scan (13.750-13.845 min, 16 scans) P2506353.D



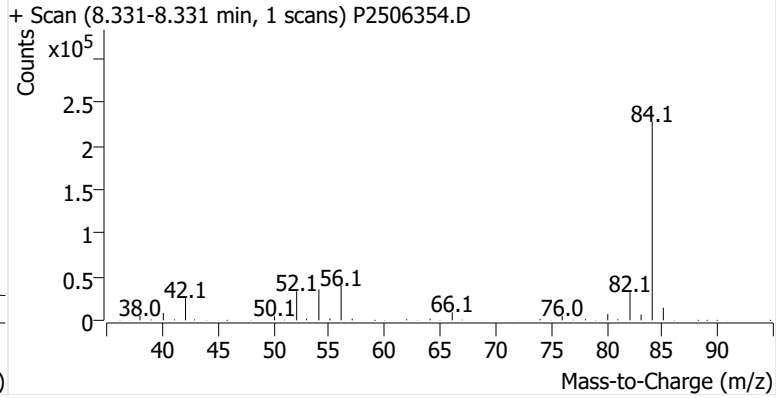
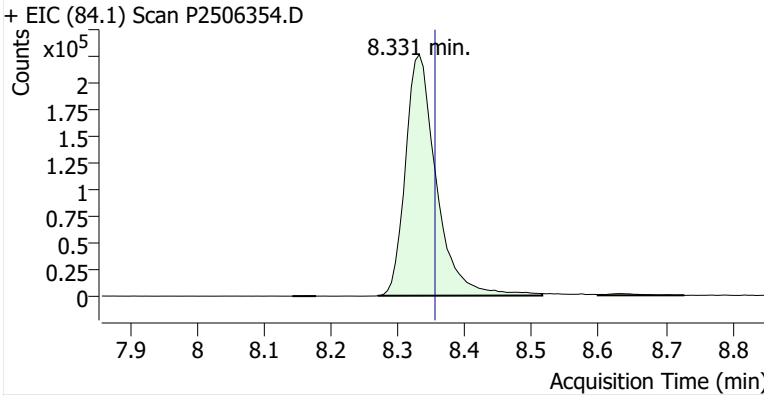
**Name** PPSP-13-S-20250924  
**Comment** C33001  
**Data File** P2506354.D  
**Acq. Date-Time** 10/10/2025 10:26:50 PM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

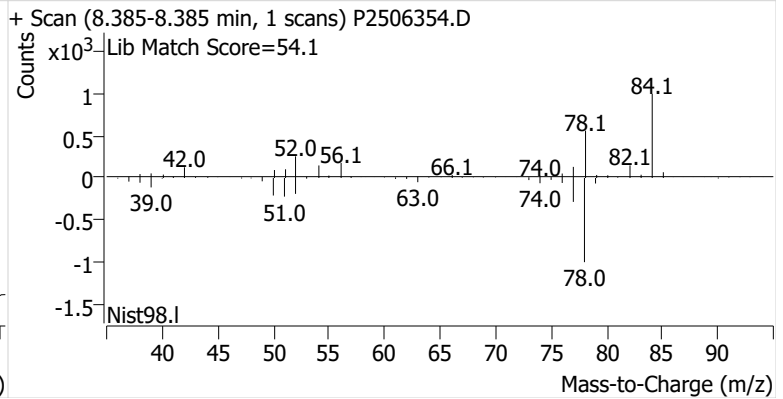
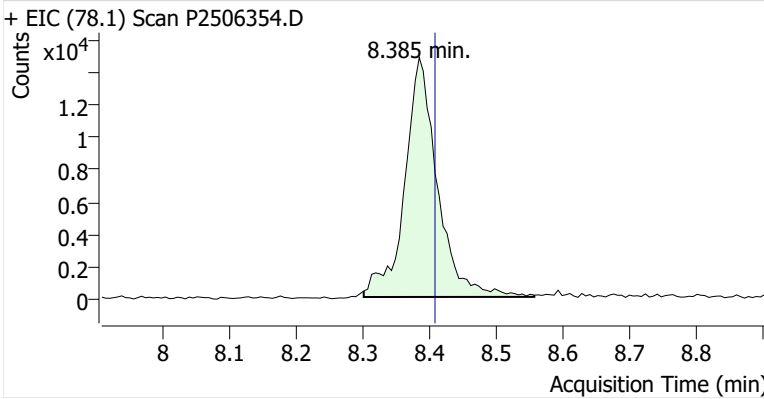


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.331	8.355	730,195	
Benzene	benzene-d6 (IS)	8.385	8.408	50,493	
Toluene-d8 (IS)		10.895	10.913	785,667	
Toluene	Toluene-d8 (IS)	10.990	11.008	51,615	
Ethylbenzene	Toluene-d8 (IS)	13.121	13.139	5,856	
m-/p-Xylenes	Toluene-d8 (IS)	13.287	13.311	11,504	
o-Xylene	Toluene-d8 (IS)	13.786	13.798	4,663	

**benzene-d6 (IS)**

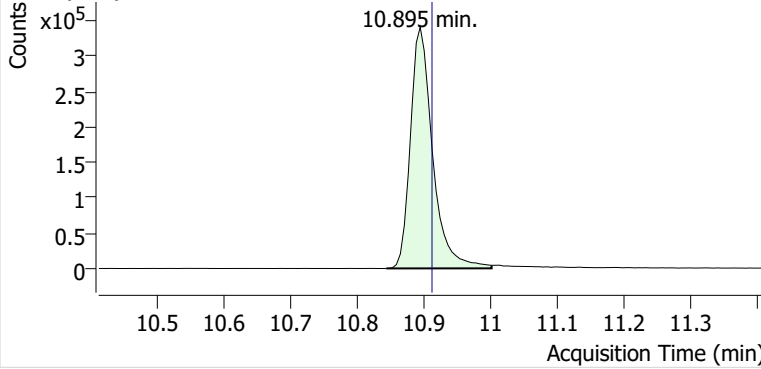


**Benzene**

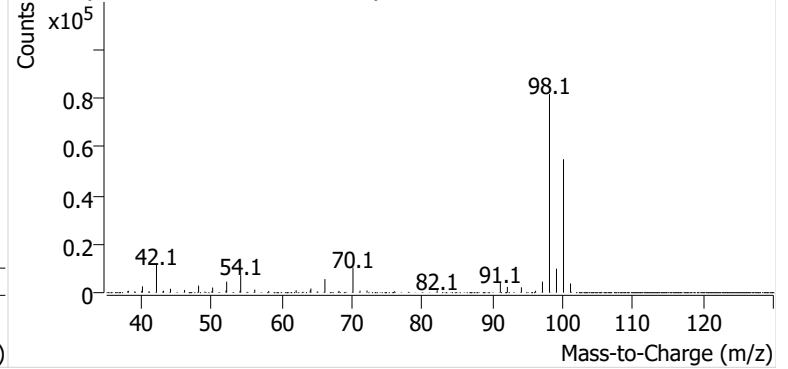


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2506354.D

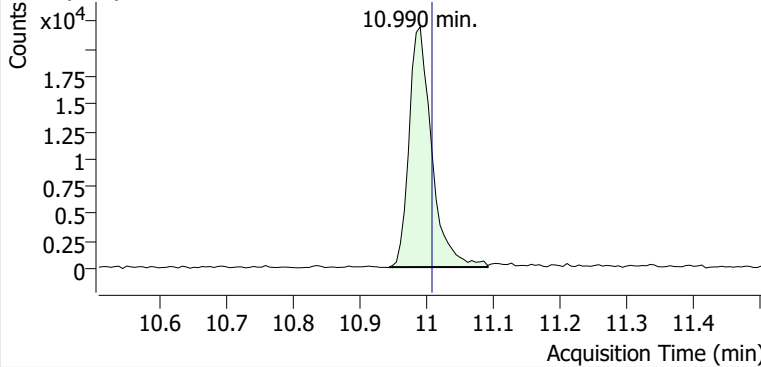


+ Scan (10.845-11.002 min, 27 scans) P2506354.D

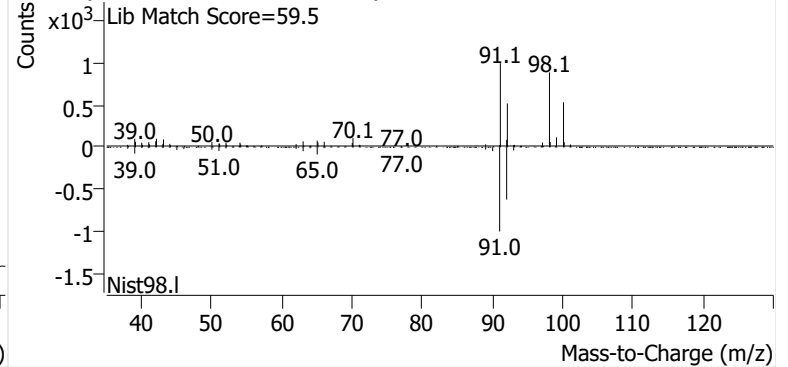


**Toluene**

+ EIC (91.1) Scan P2506354.D

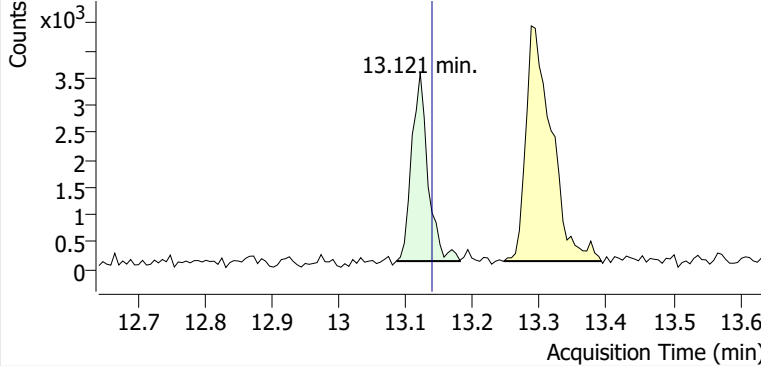


+ Scan (10.944-11.091 min, 25 scans) P2506354.D

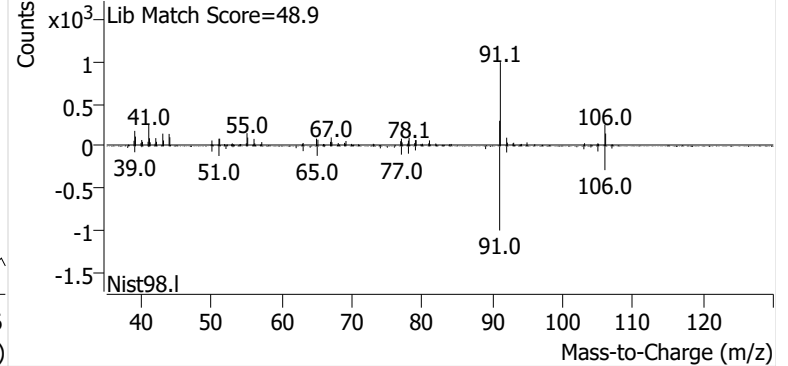


**Ethylbenzene**

+ EIC (91.1) Scan P2506354.D

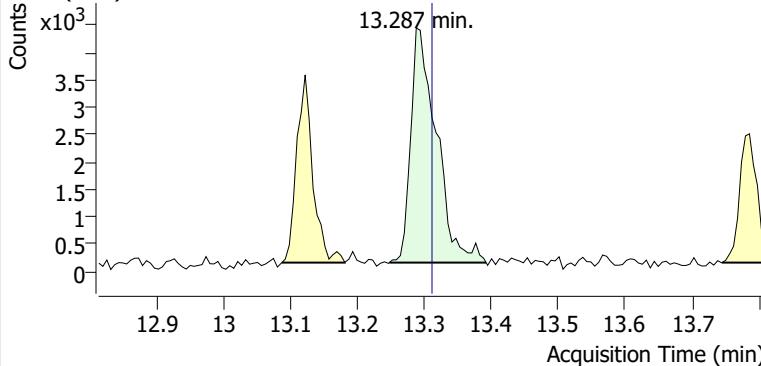


+ Scan (13.085-13.180 min, 17 scans) P2506354.D

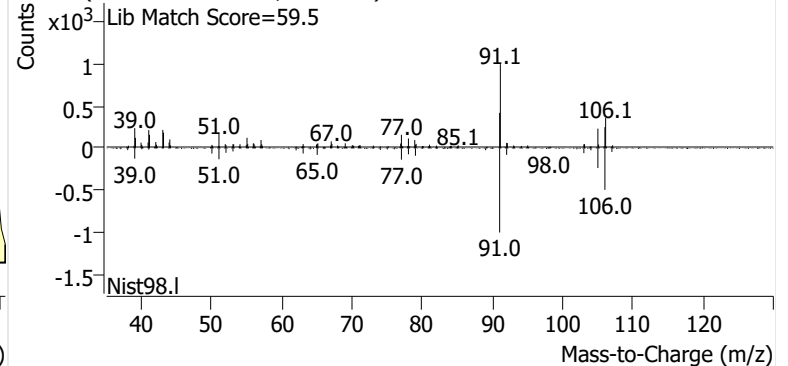


**m-/p-Xylenes**

+ EIC (91.1) Scan P2506354.D

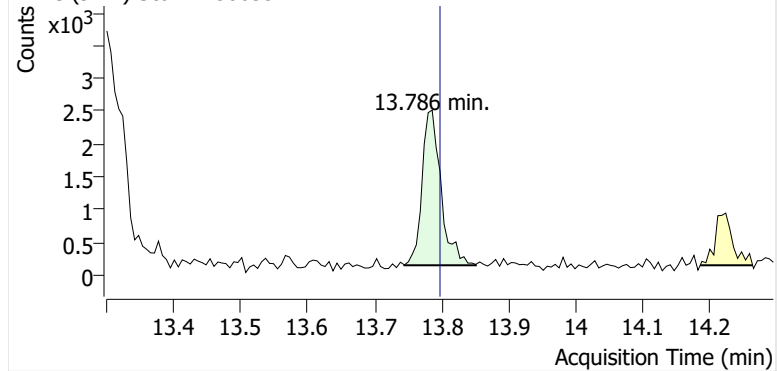


+ Scan (13.247-13.392 min, 24 scans) P2506354.D

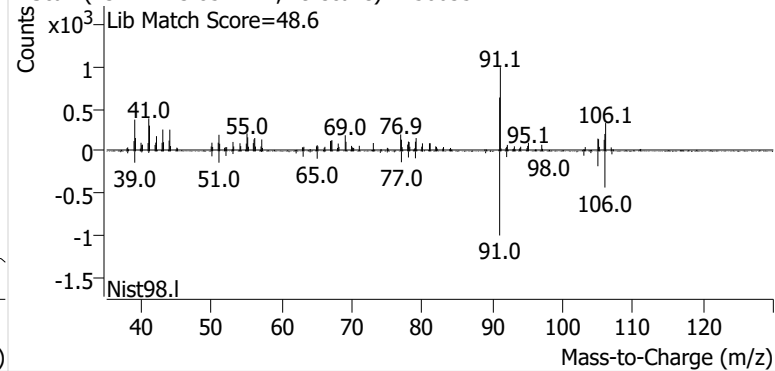


**o-Xylene**

+ EIC (91.1) Scan P2506354.D

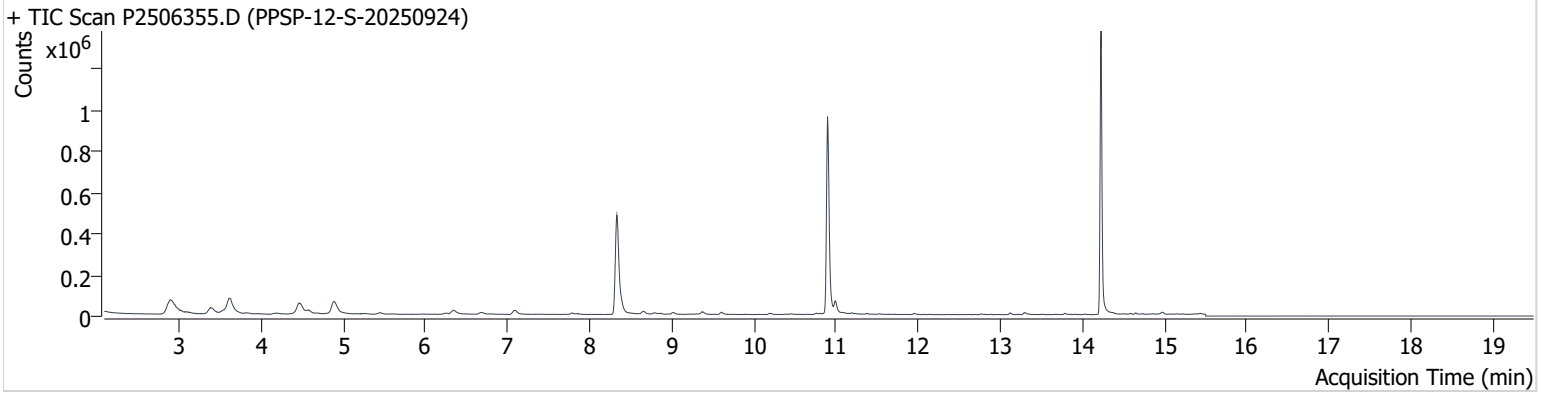


+ Scan (13.744-13.851 min, 19 scans) P2506354.D



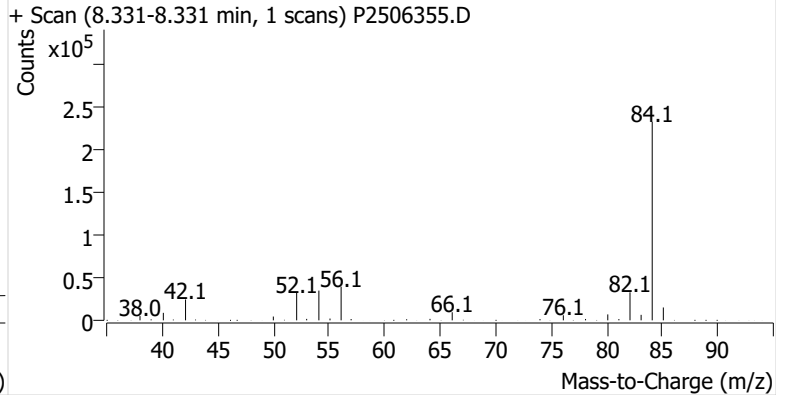
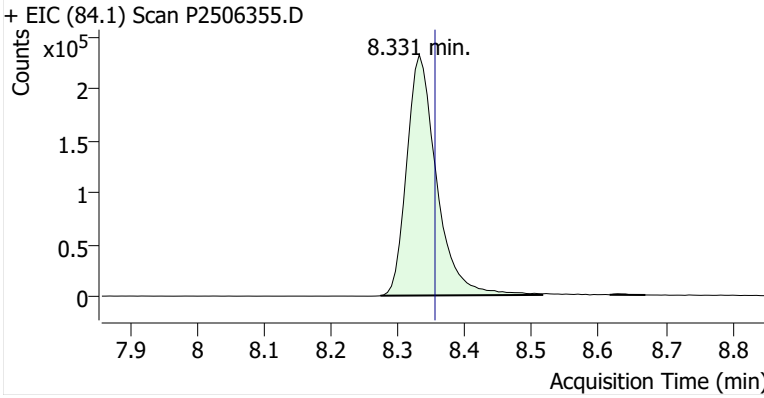
**Name** PPSP-12-S-20250924  
**Comment** C35755  
**Data File** P2506355.D  
**Acq. Date-Time** 10/10/2025 11:04:08 PM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

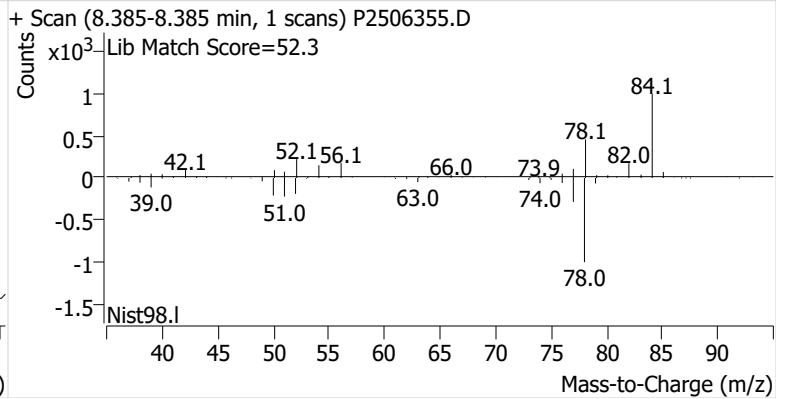
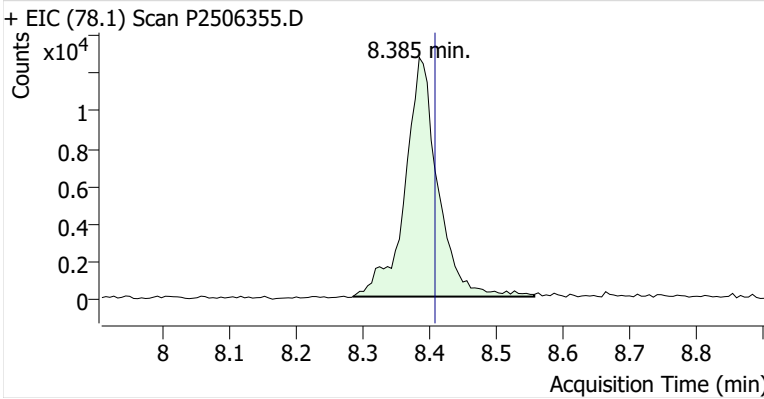


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.331	8.355	722,703	
Benzene	benzene-d6 (IS)	8.385	8.408	43,622	
Toluene-d8 (IS)		10.895	10.913	785,678	
Toluene	Toluene-d8 (IS)	10.990	11.008	39,804	
Ethylbenzene	Toluene-d8 (IS)	13.121	13.139	6,700	
m-/p-Xylenes	Toluene-d8 (IS)	13.287	13.311	9,055	
o-Xylene	Toluene-d8 (IS)	13.780	13.798	4,135	

**benzene-d6 (IS)**

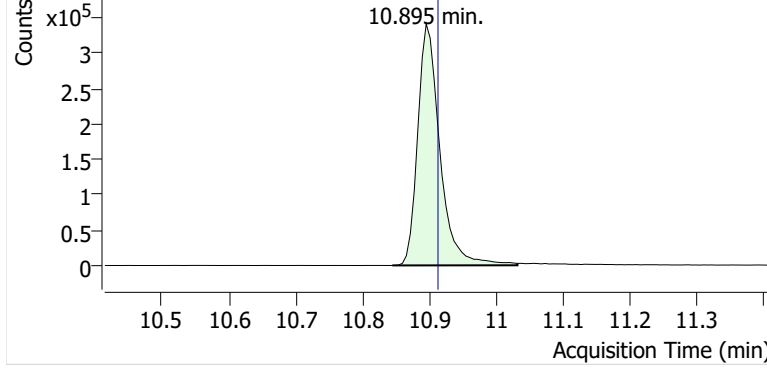


**Benzene**

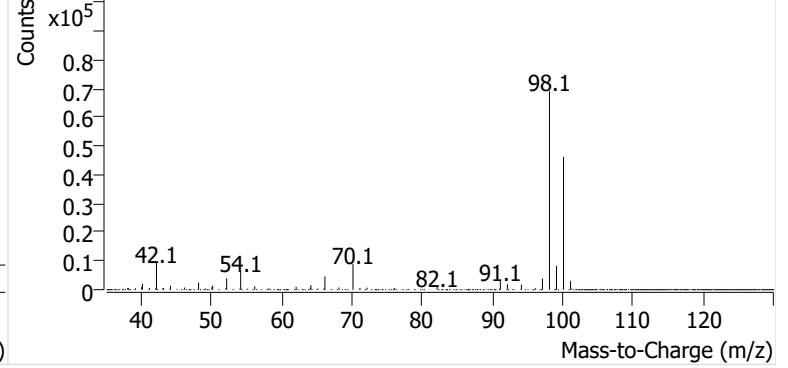


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2506355.D

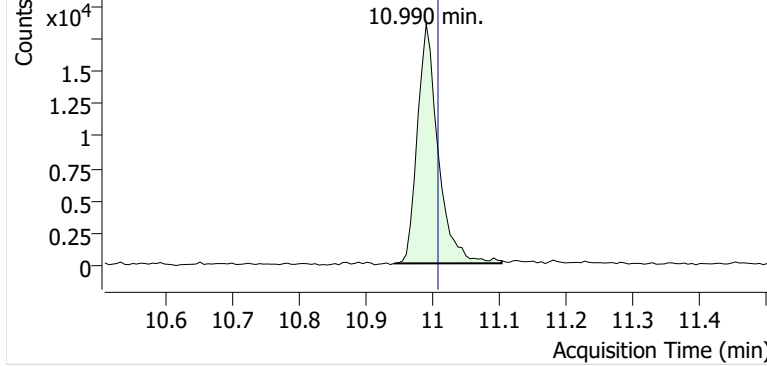


+ Scan (10.845-11.032 min, 32 scans) P2506355.D

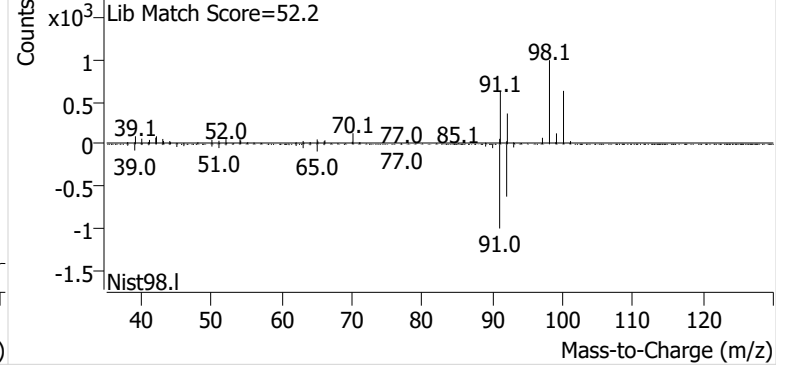


**Toluene**

+ EIC (91.1) Scan P2506355.D

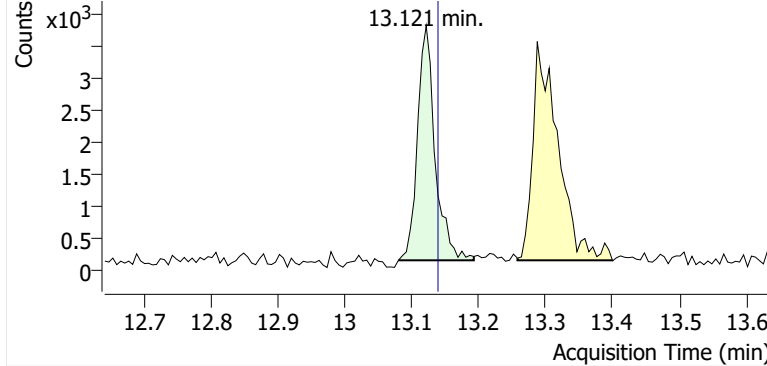


+ Scan (10.943-11.103 min, 28 scans) P2506355.D

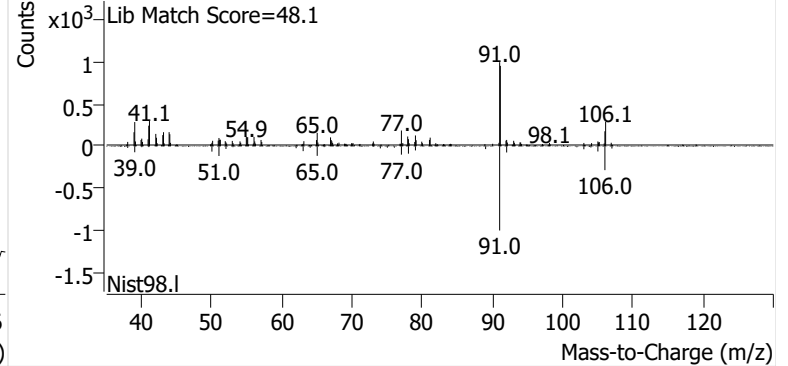


**Ethylbenzene**

+ EIC (91.1) Scan P2506355.D

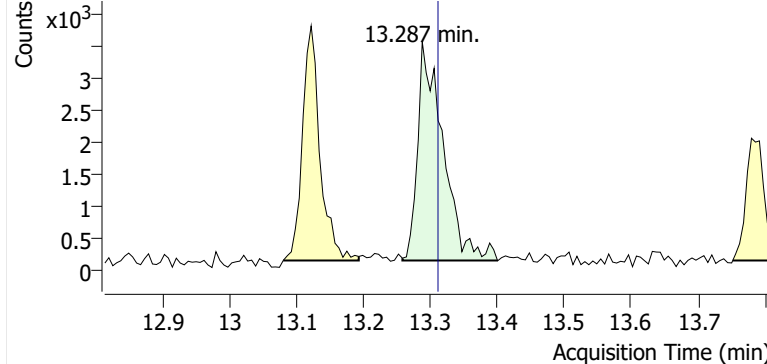


+ Scan (13.079-13.192 min, 20 scans) P2506355.D

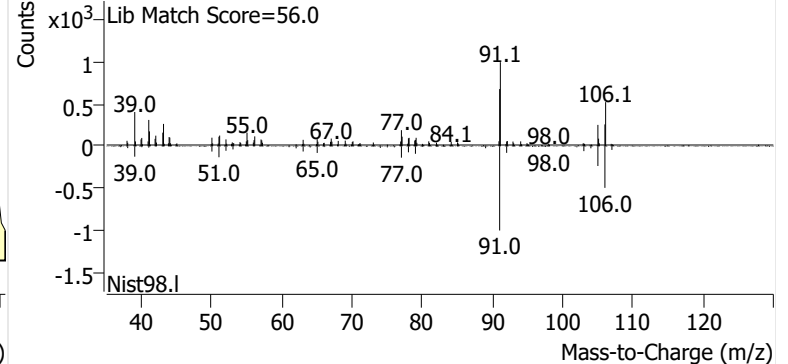


**m-/p-Xylenes**

+ EIC (91.1) Scan P2506355.D

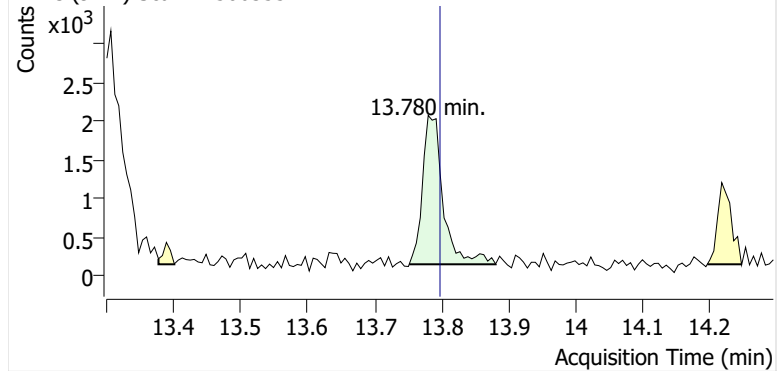


+ Scan (13.258-13.400 min, 24 scans) P2506355.D

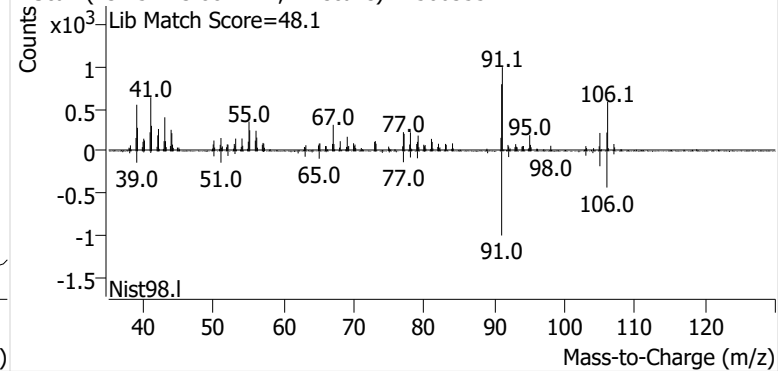


**o-Xylene**

+ EIC (91.1) Scan P2506355.D

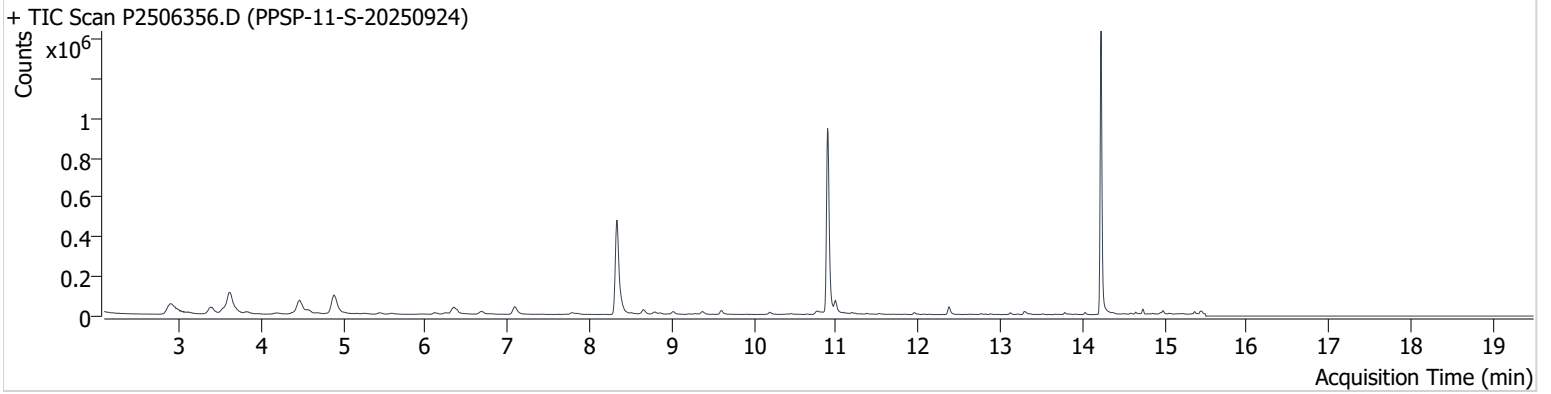


+ Scan (13.751-13.881 min, 22 scans) P2506355.D



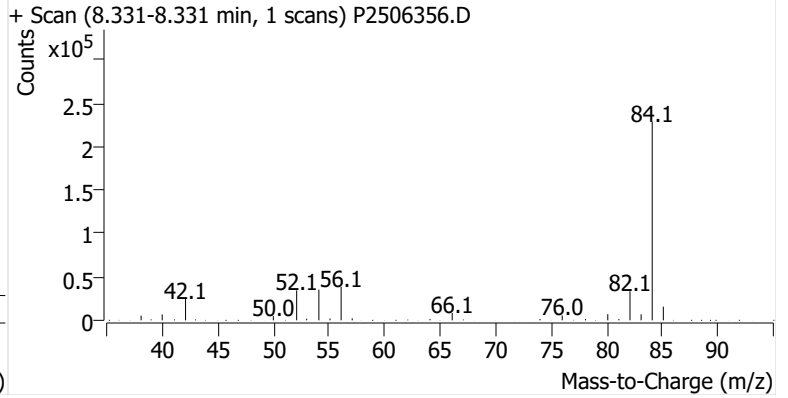
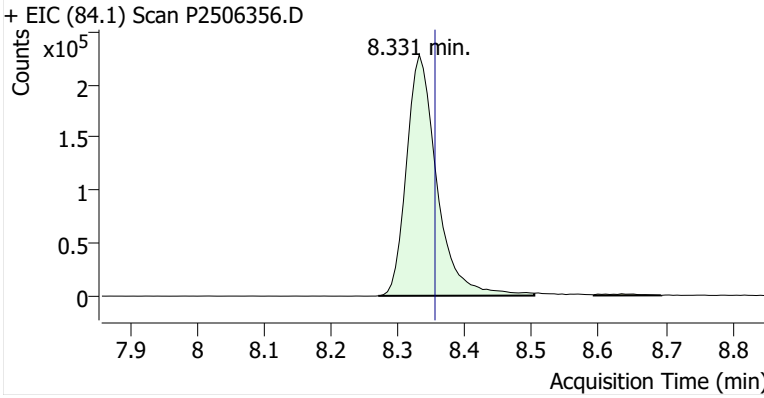
**Name** PPSP-11-S-20250924  
**Comment** C61499  
**Data File** P2506356.D  
**Acq. Date-Time** 10/10/2025 11:41:28 PM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

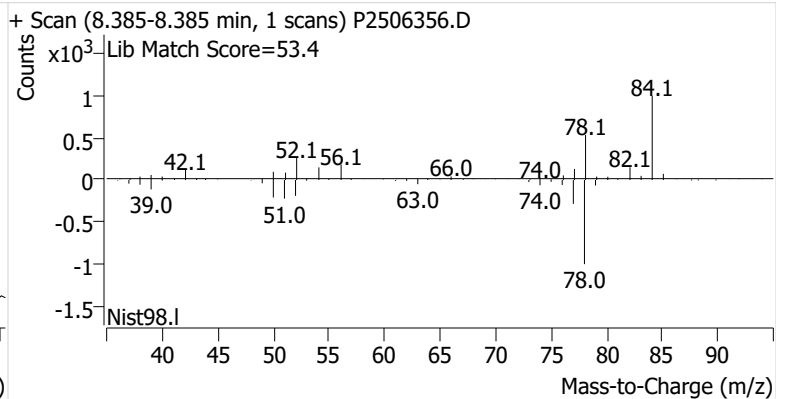
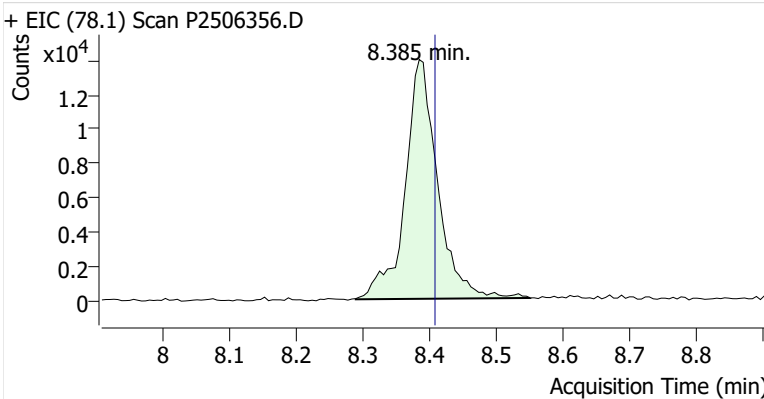


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.331	8.355	719,126	
Benzene	benzene-d6 (IS)	8.385	8.408	47,171	
Toluene-d8 (IS)		10.895	10.913	790,299	
Toluene	Toluene-d8 (IS)	10.990	11.008	42,291	
Ethylbenzene	Toluene-d8 (IS)	13.121	13.139	5,455	
m-/p-Xylenes	Toluene-d8 (IS)	13.293	13.311	13,995	
o-Xylene	Toluene-d8 (IS)	13.780	13.798	6,154	

**benzene-d6 (IS)**

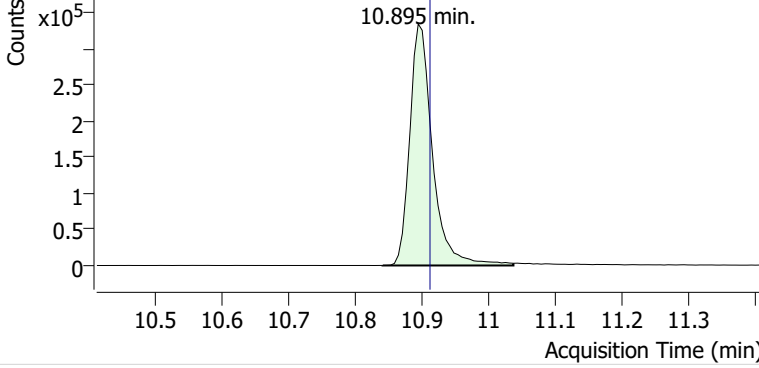


**Benzene**

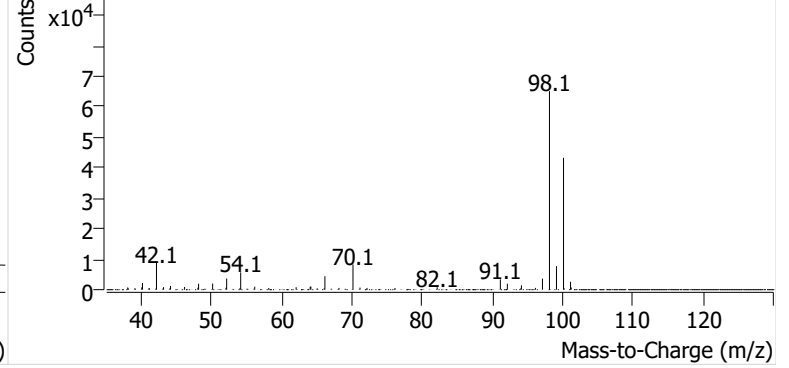


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2506356.D

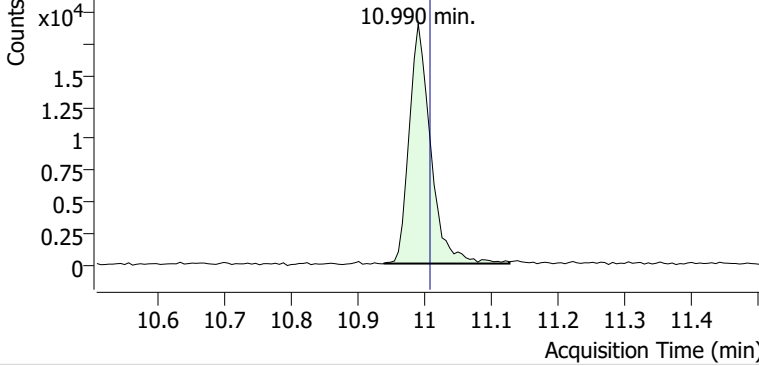


+ Scan (10.842-11.038 min, 34 scans) P2506356.D

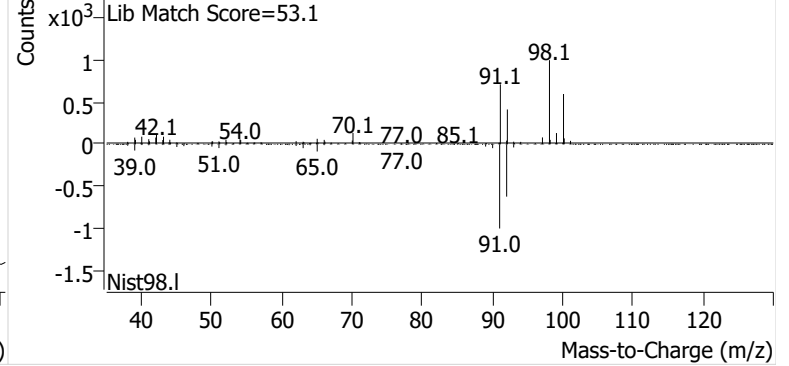


**Toluene**

+ EIC (91.1) Scan P2506356.D

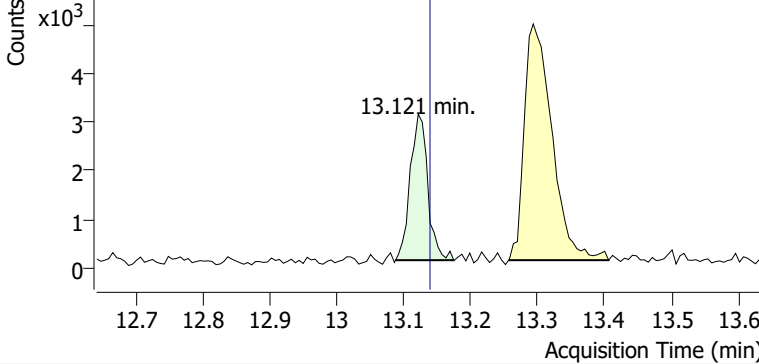


+ Scan (10.938-11.127 min, 32 scans) P2506356.D

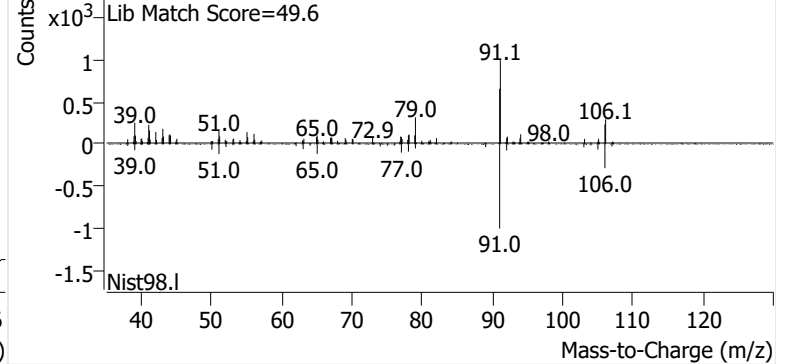


**Ethylbenzene**

+ EIC (91.1) Scan P2506356.D

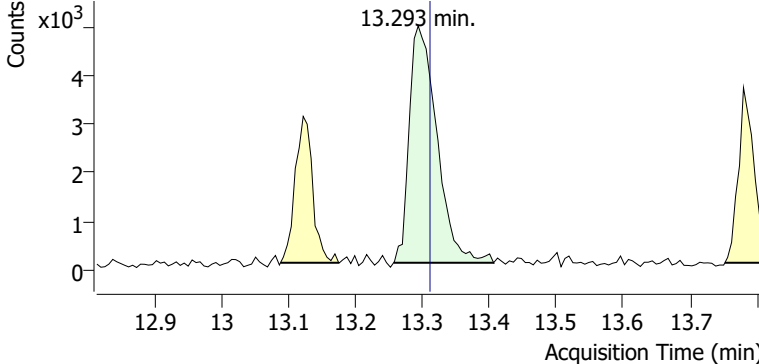


+ Scan (13.087-13.174 min, 14 scans) P2506356.D

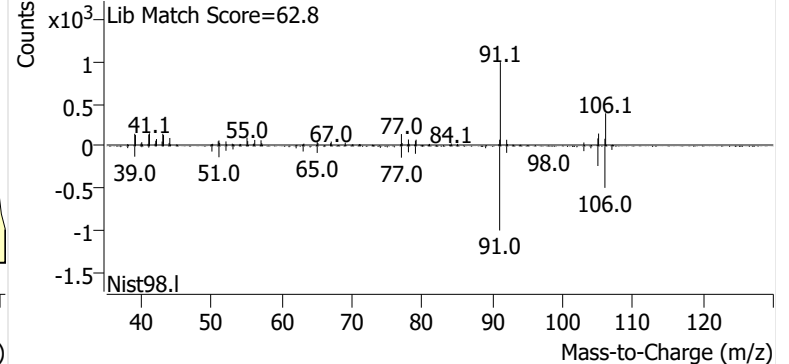


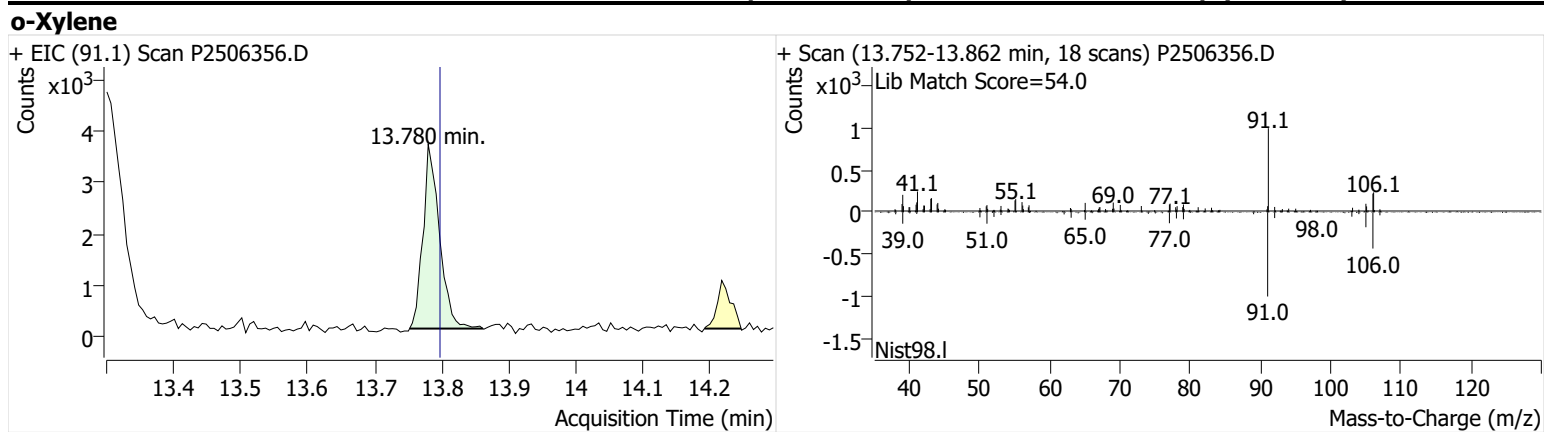
**m-/p-Xylenes**

+ EIC (91.1) Scan P2506356.D



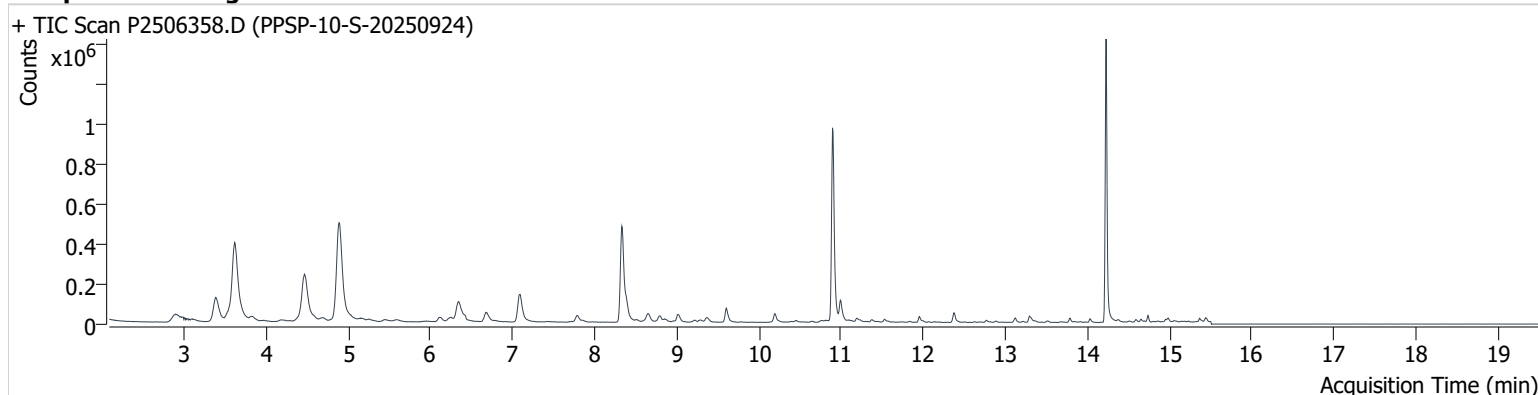
+ Scan (13.256-13.406 min, 26 scans) P2506356.D





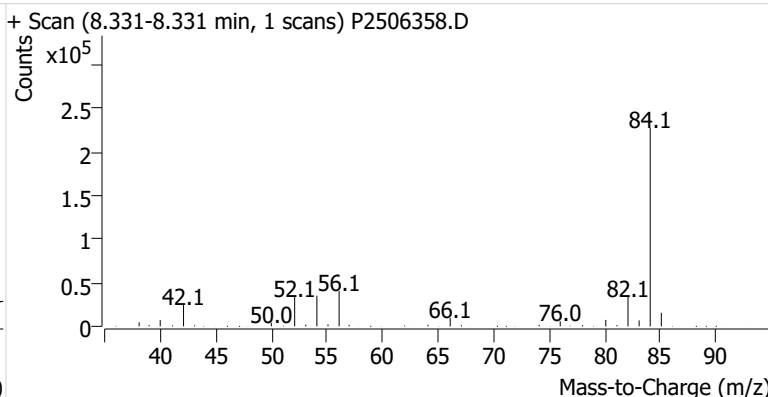
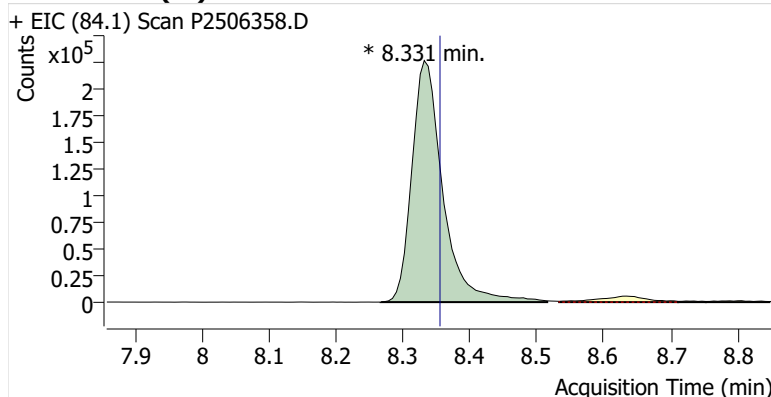
**Name** PPSP-10-S-20250924  
**Comment** C70752  
**Data File** P2506358.D  
**Acq. Date-Time** 10/11/2025 12:56:08 AM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

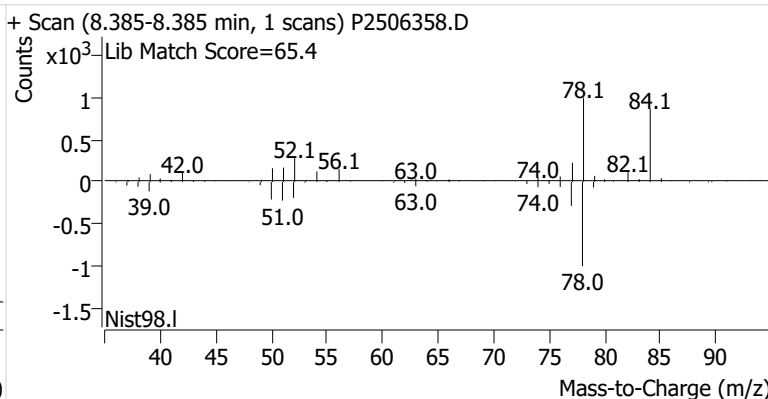
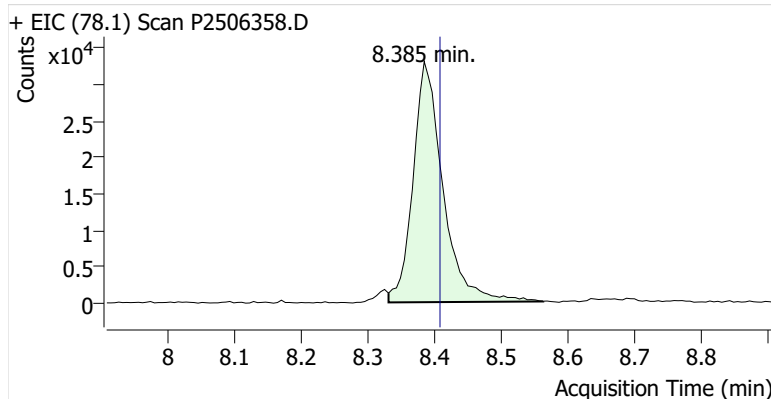


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.331	8.355	732,313	m
Benzene	benzene-d6 (IS)	8.385	8.408	102,686	
Toluene-d8 (IS)		10.895	10.913	789,519	
Toluene	Toluene-d8 (IS)	10.990	11.008	84,133	
Ethylbenzene	Toluene-d8 (IS)	13.121	13.139	13,165	
m-/p-Xylenes	Toluene-d8 (IS)	13.293	13.311	28,519	
o-Xylene	Toluene-d8 (IS)	13.786	13.798	13,083	

**benzene-d6 (IS)**

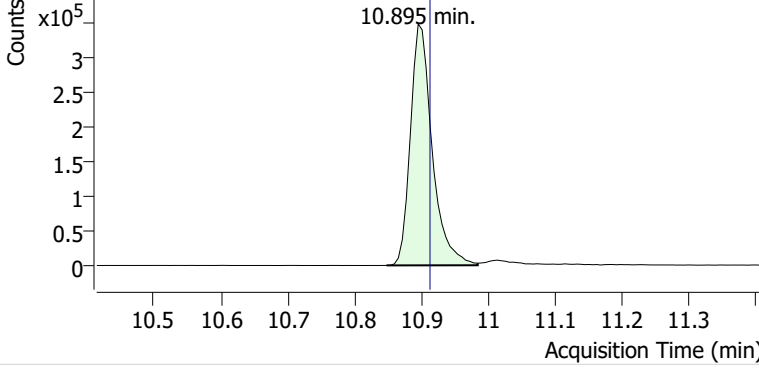


**Benzene**

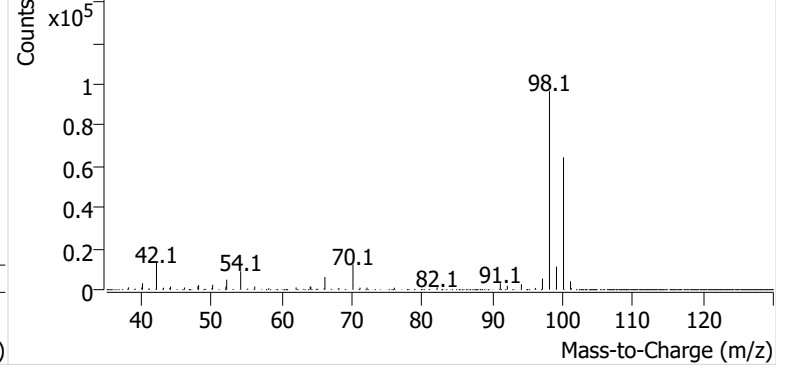


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2506358.D

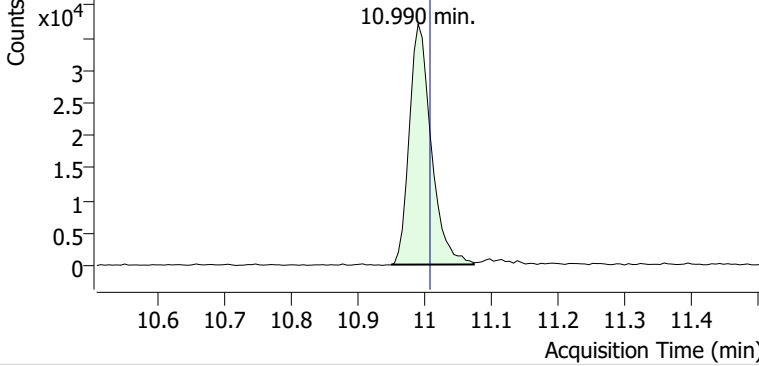


+ Scan (10.848-10.984 min, 23 scans) P2506358.D

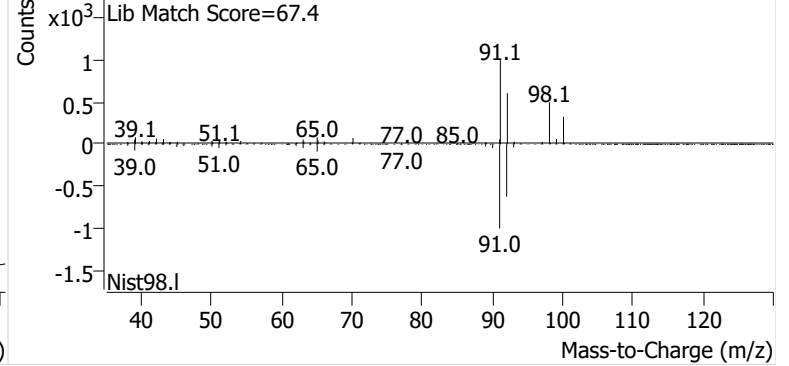


**Toluene**

+ EIC (91.1) Scan P2506358.D

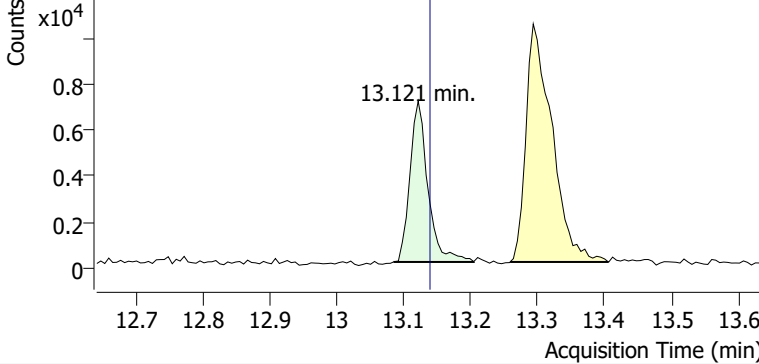


+ Scan (10.950-11.073 min, 21 scans) P2506358.D

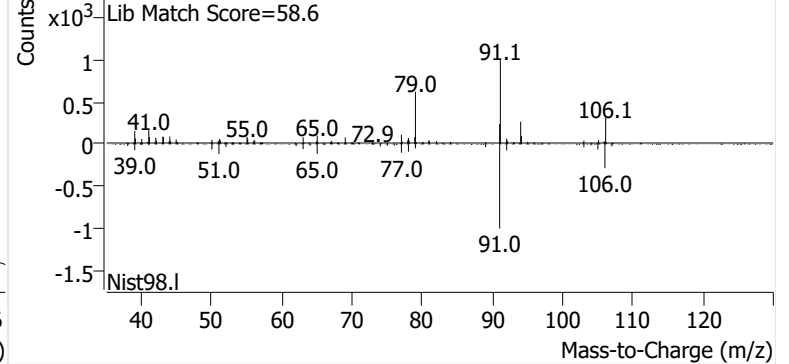


**Ethylbenzene**

+ EIC (91.1) Scan P2506358.D

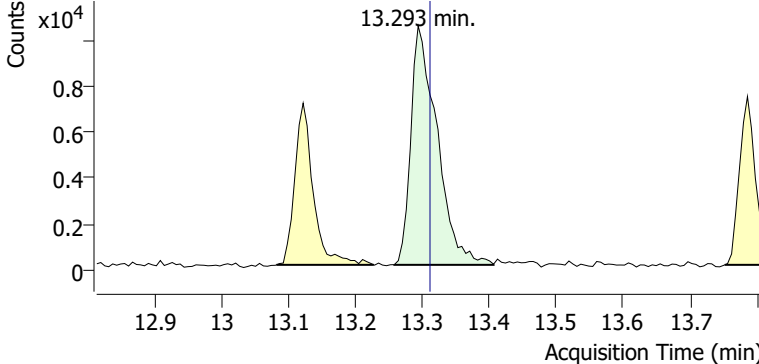


+ Scan (13.084-13.204 min, 21 scans) P2506358.D

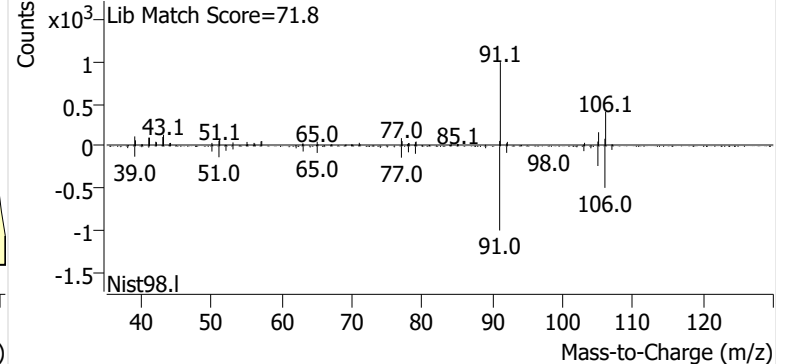


**m-/p-Xylenes**

+ EIC (91.1) Scan P2506358.D

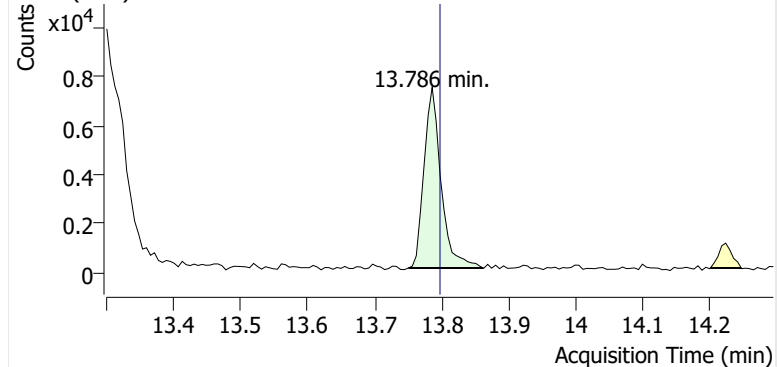


+ Scan (13.258-13.406 min, 26 scans) P2506358.D

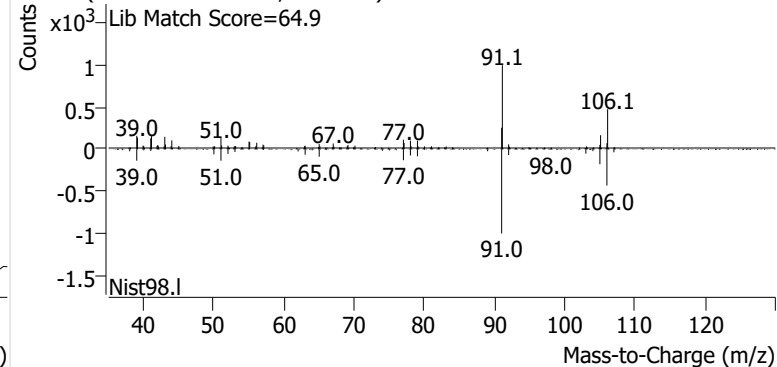


**o-Xylene**

+ EIC (91.1) Scan P2506358.D

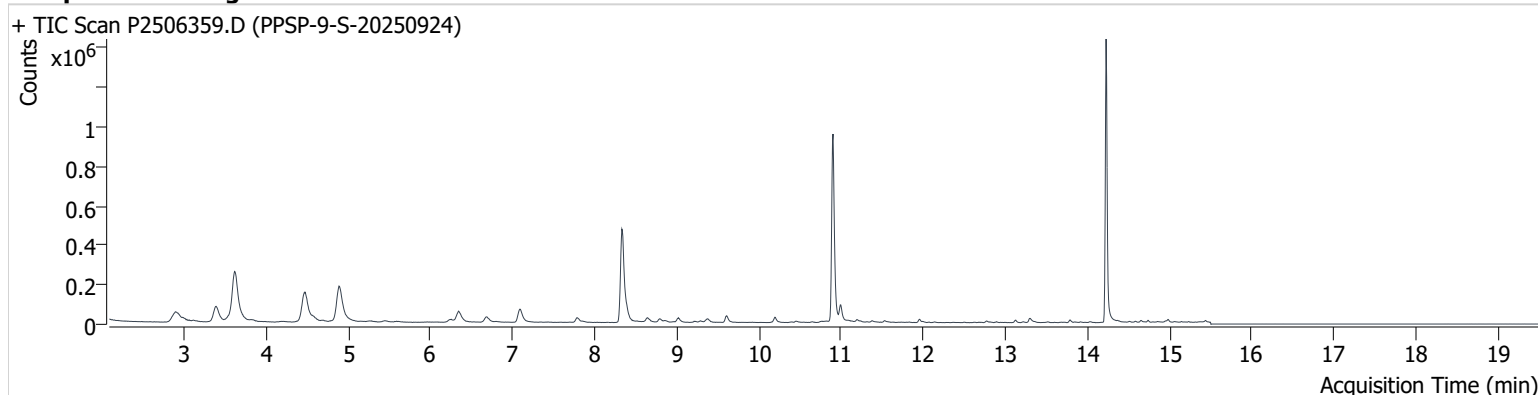


+ Scan (13.750-13.862 min, 18 scans) P2506358.D



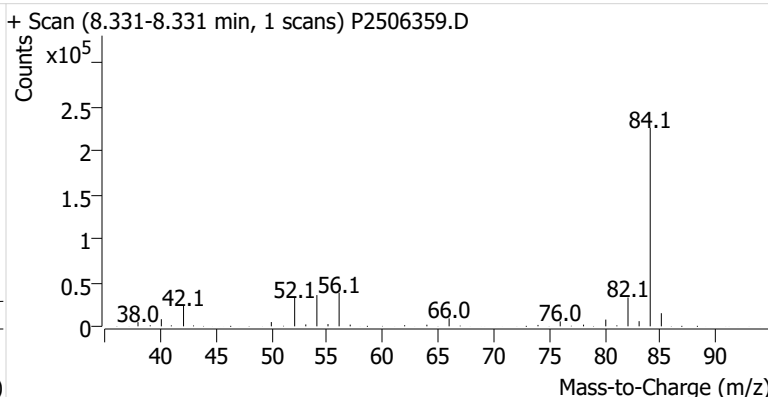
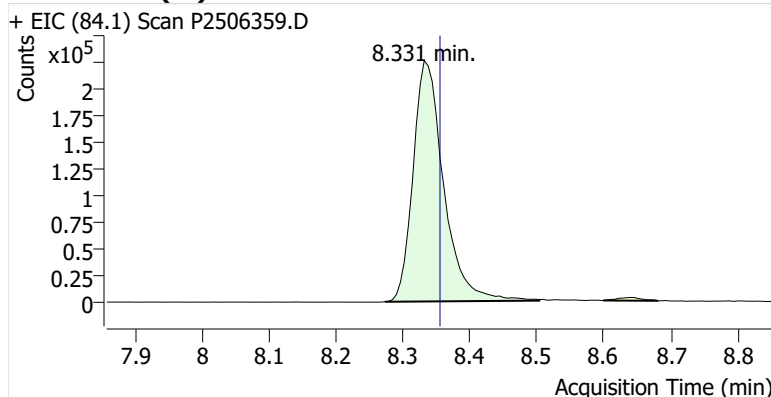
**Name** PPSP-9-S-20250924  
**Comment** B46772  
**Data File** P2506359.D  
**Acq. Date-Time** 10/11/2025 1:33:28 AM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

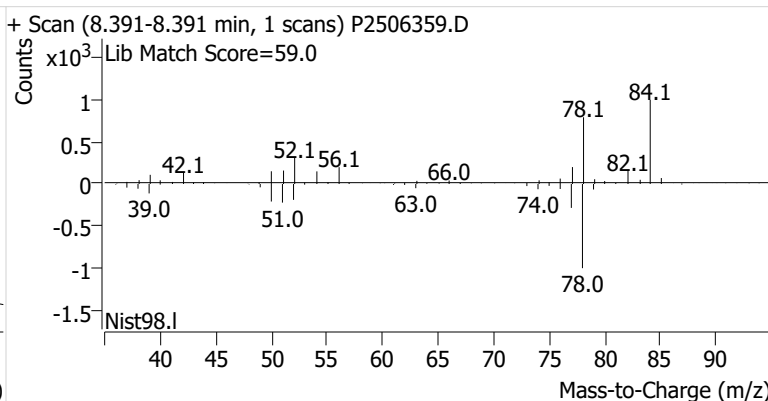
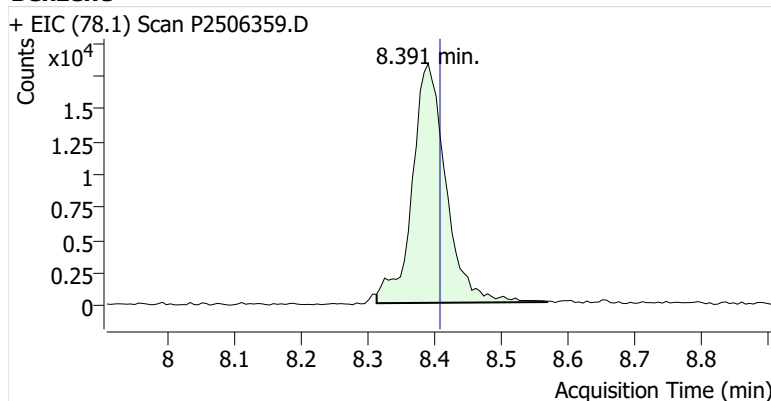


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.331	8.355	717,428	
Benzene	benzene-d6 (IS)	8.391	8.408	64,143	
Toluene-d8 (IS)		10.901	10.913	778,610	
Toluene	Toluene-d8 (IS)	10.996	11.008	59,717	
Ethylbenzene	Toluene-d8 (IS)	13.121	13.139	9,982	
m-/p-Xylenes	Toluene-d8 (IS)	13.299	13.311	20,402	
o-Xylene	Toluene-d8 (IS)	13.786	13.798	8,072	

**benzene-d6 (IS)**

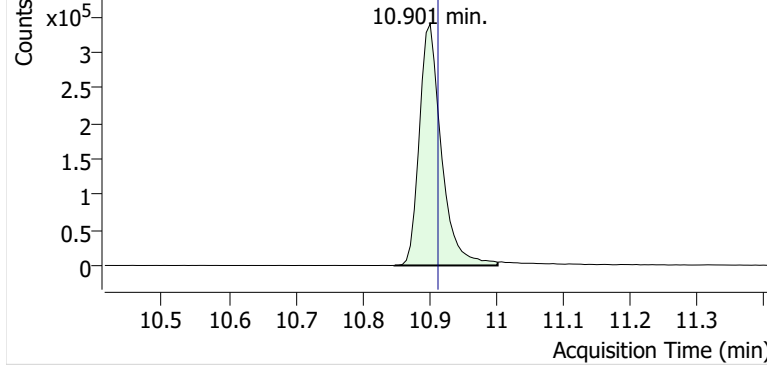


**Benzene**

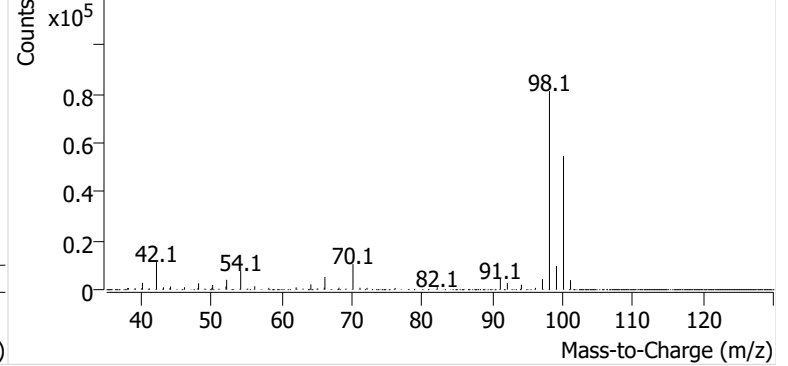


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2506359.D

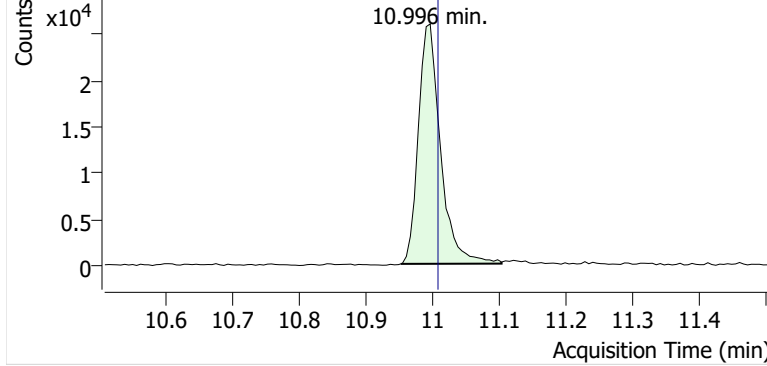


+ Scan (10.848-11.002 min, 27 scans) P2506359.D

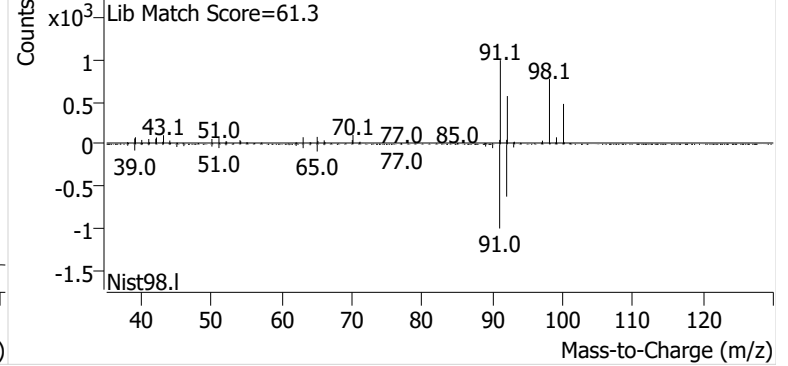


**Toluene**

+ EIC (91.1) Scan P2506359.D

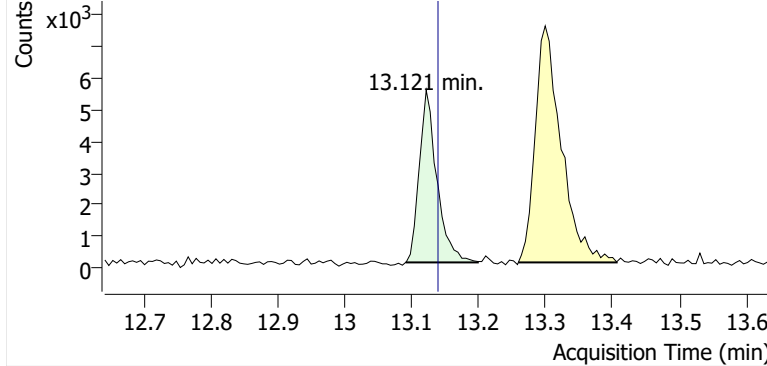


+ Scan (10.952-11.103 min, 26 scans) P2506359.D

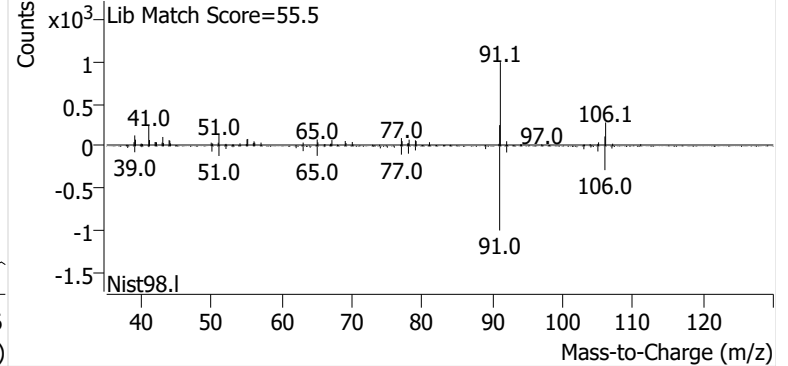


**Ethylbenzene**

+ EIC (91.1) Scan P2506359.D

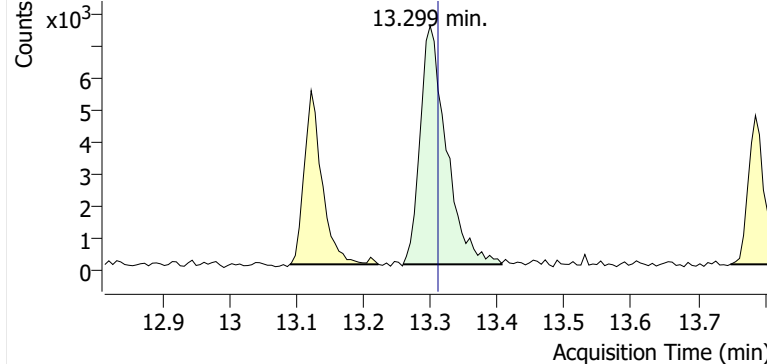


+ Scan (13.090-13.198 min, 19 scans) P2506359.D

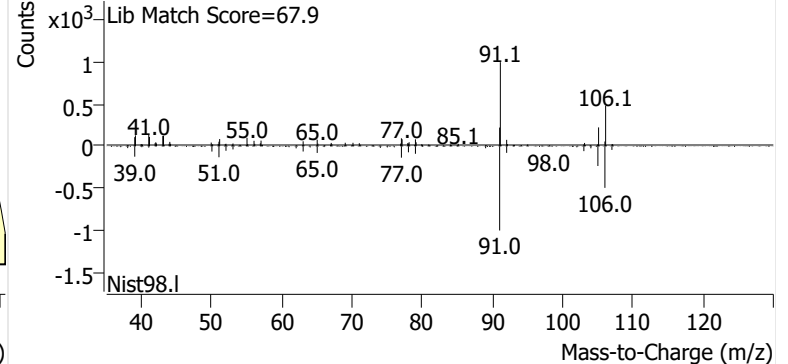


**m-/p-Xylenes**

+ EIC (91.1) Scan P2506359.D

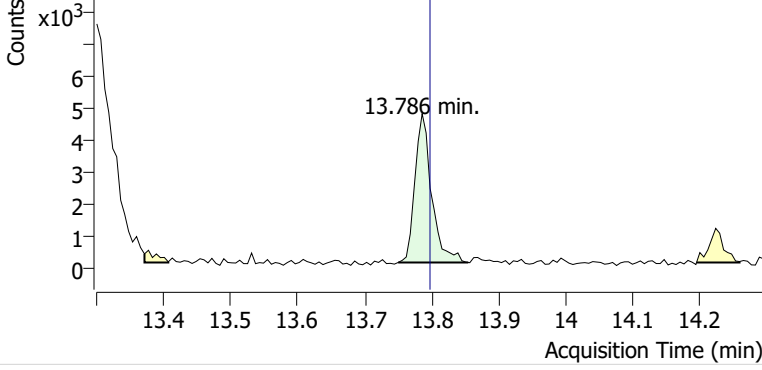


+ Scan (13.259-13.406 min, 25 scans) P2506359.D

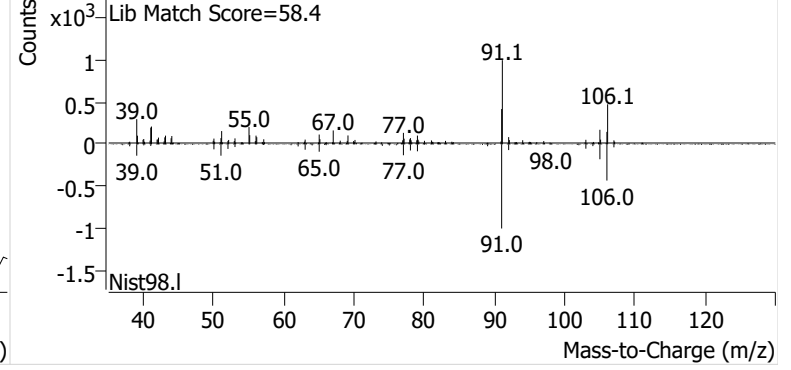


**o-Xylene**

+ EIC (91.1) Scan P2506359.D

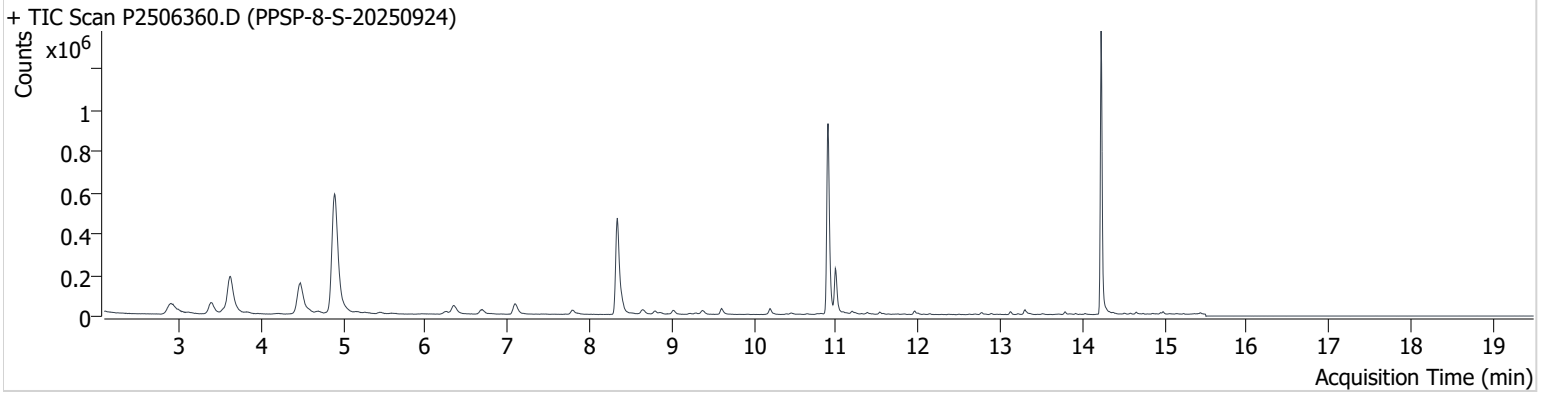


+ Scan (13.750-13.855 min, 18 scans) P2506359.D



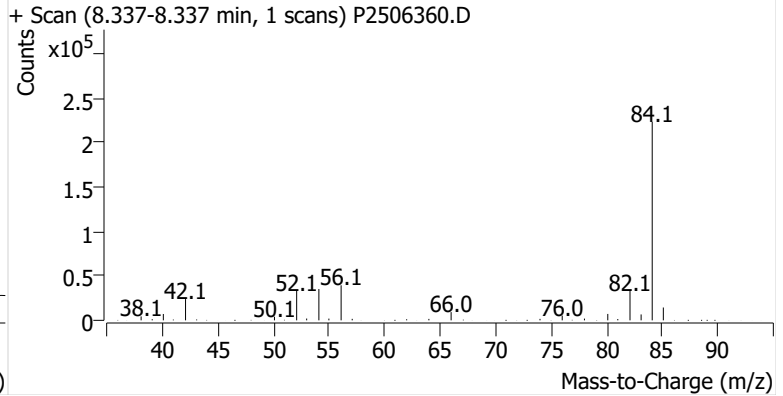
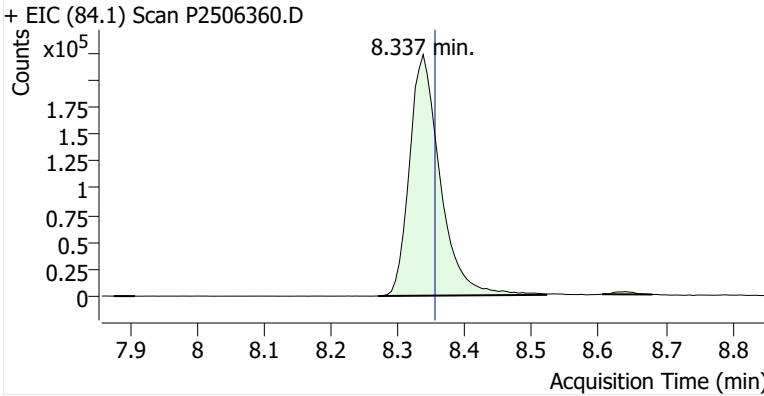
**Name** PPSP-8-S-20250924  
**Comment** C01402  
**Data File** P2506360.D  
**Acq. Date-Time** 10/11/2025 2:10:47 AM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

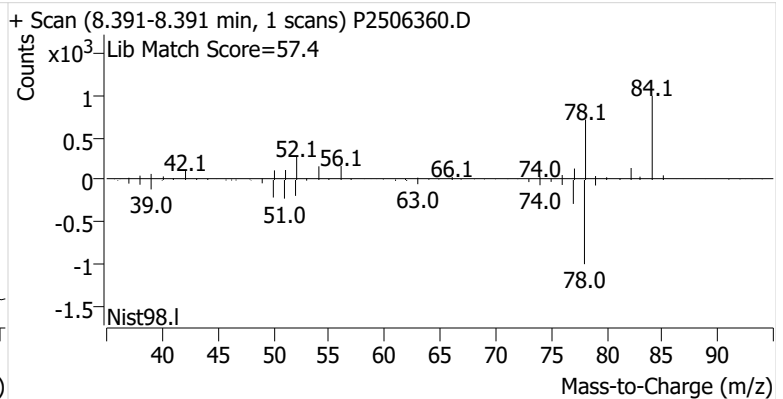
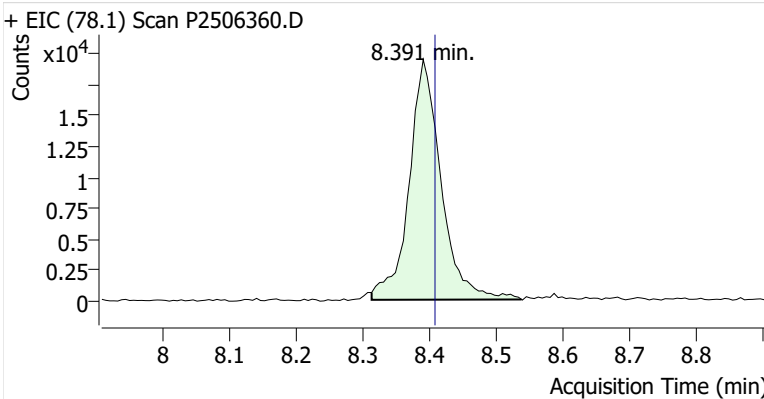


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.337	8.355	710,647	
Benzene	benzene-d6 (IS)	8.391	8.408	64,601	
Toluene-d8 (IS)		10.901	10.913	773,708	
Toluene	Toluene-d8 (IS)	10.990	11.008	188,770	
Ethylbenzene	Toluene-d8 (IS)	13.127	13.139	9,951	
m-/p-Xylenes	Toluene-d8 (IS)	13.299	13.311	18,228	
o-Xylene	Toluene-d8 (IS)	13.786	13.798	7,907	

**benzene-d6 (IS)**

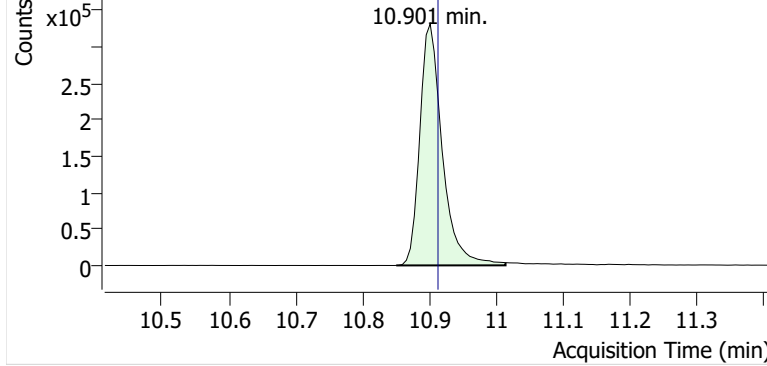


**Benzene**

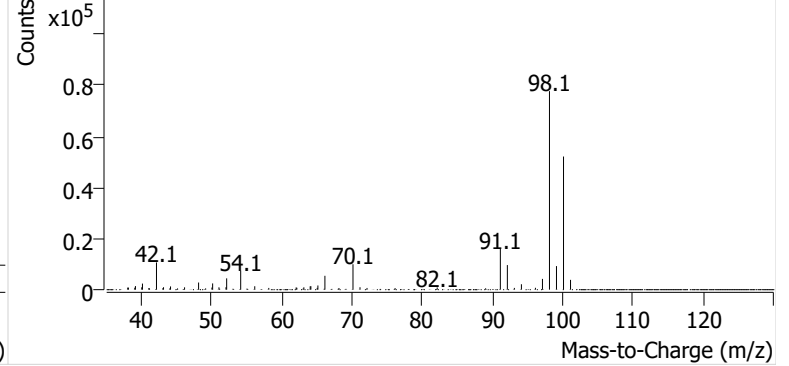


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2506360.D

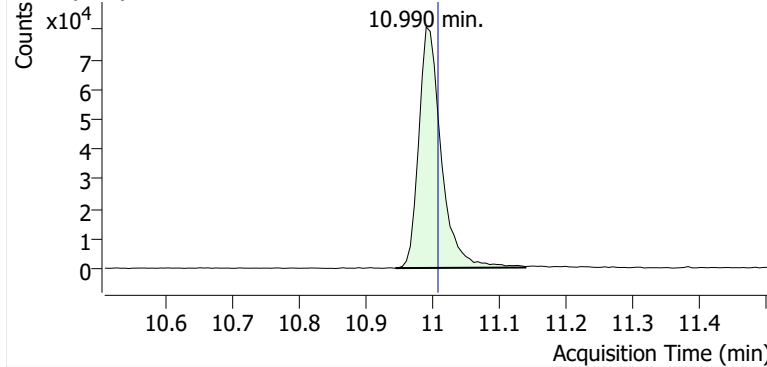


+ Scan (10.850-11.014 min, 28 scans) P2506360.D

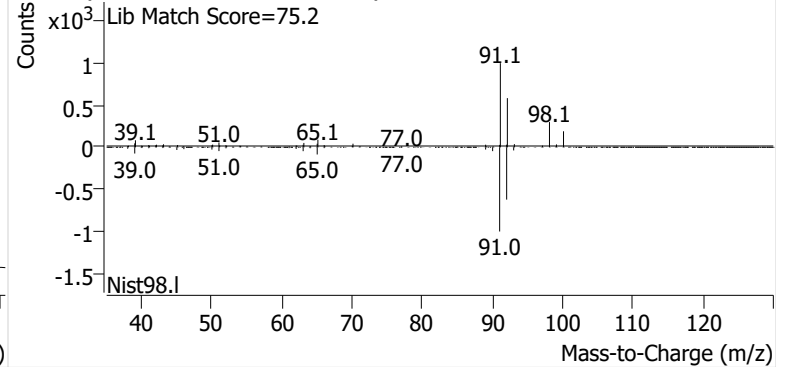


**Toluene**

+ EIC (91.1) Scan P2506360.D

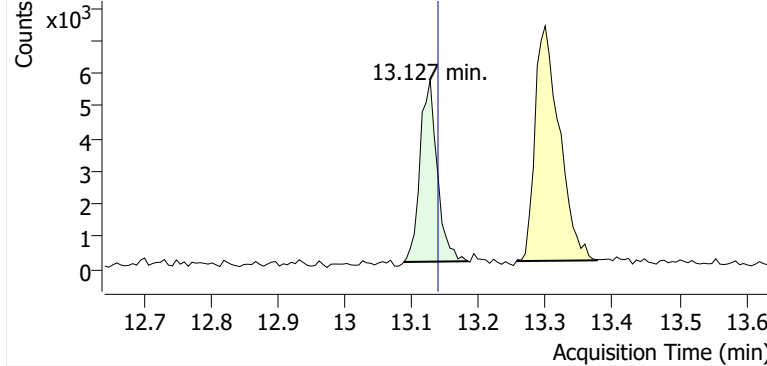


+ Scan (10.944-11.139 min, 33 scans) P2506360.D

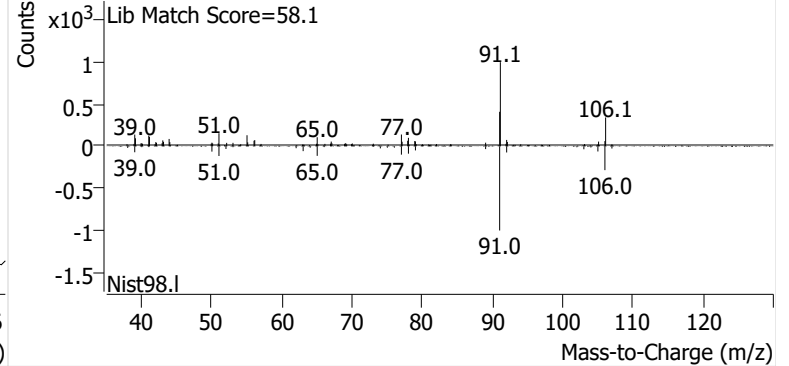


**Ethylbenzene**

+ EIC (91.1) Scan P2506360.D

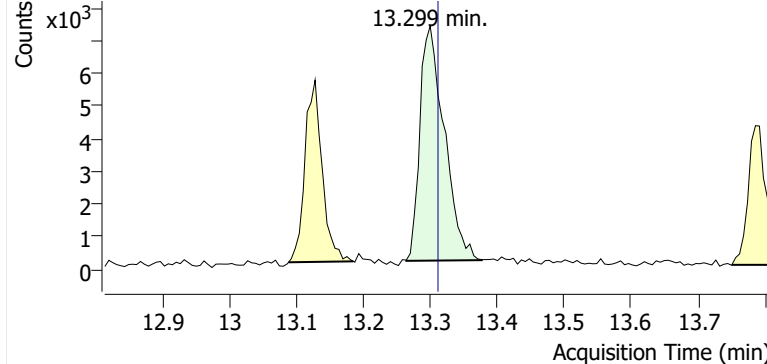


+ Scan (13.088-13.184 min, 16 scans) P2506360.D

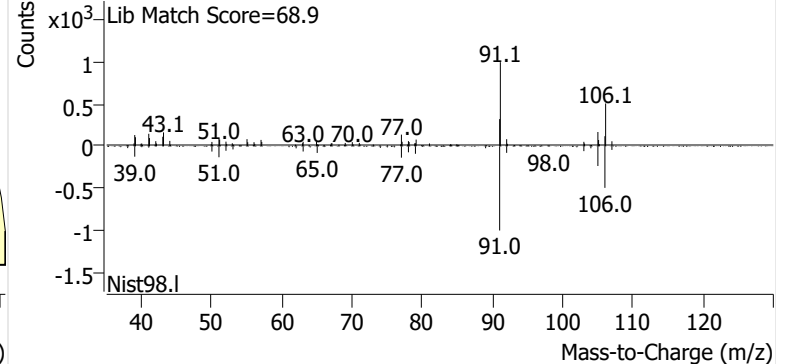


**m-/p-Xylenes**

+ EIC (91.1) Scan P2506360.D

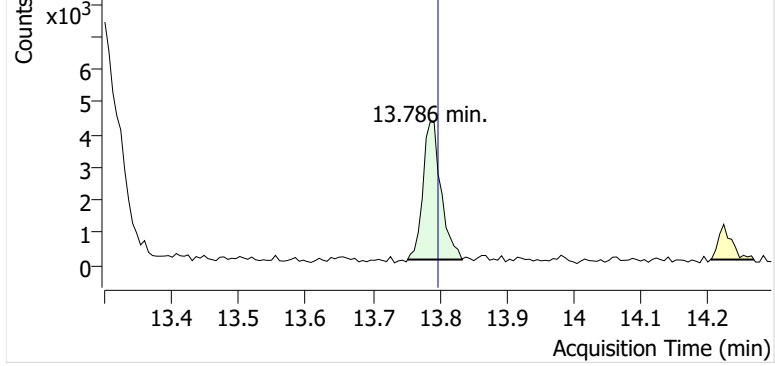


+ Scan (13.264-13.376 min, 20 scans) P2506360.D

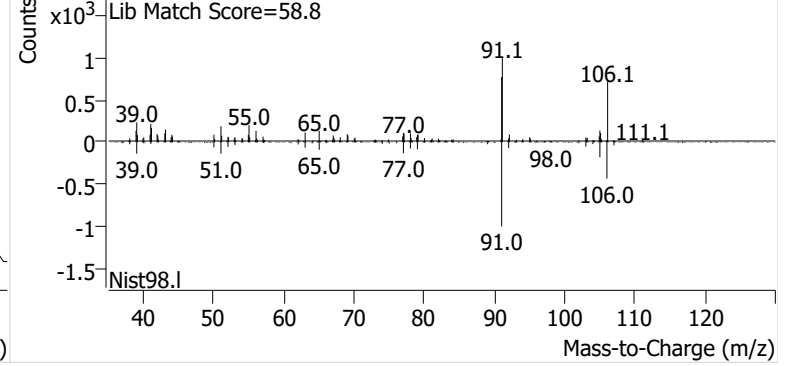


**o-Xylene**

+ EIC (91.1) Scan P2506360.D

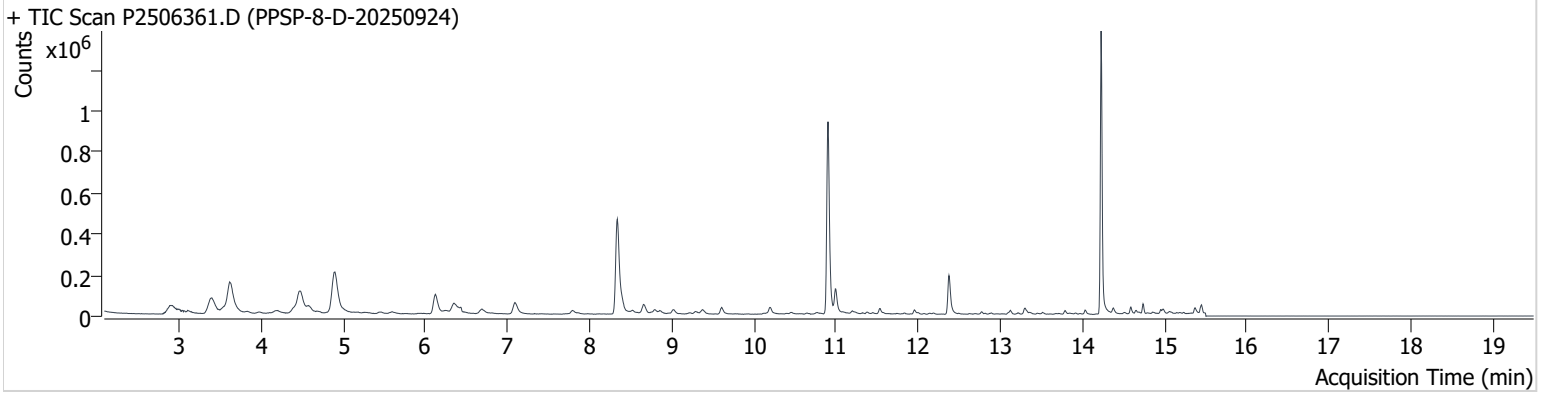


+ Scan (13.752-13.833 min, 14 scans) P2506360.D



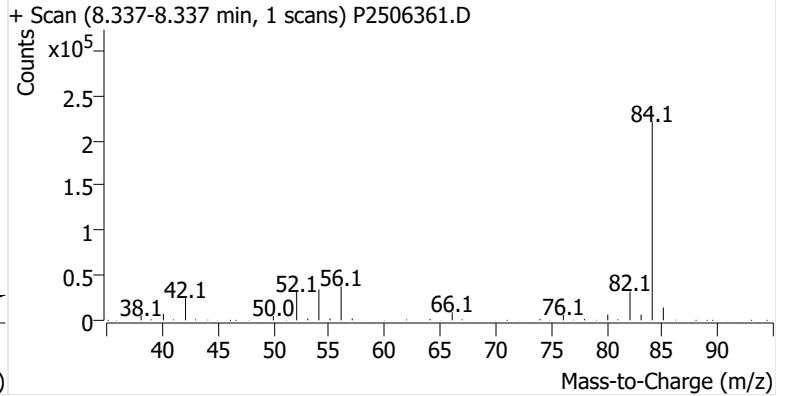
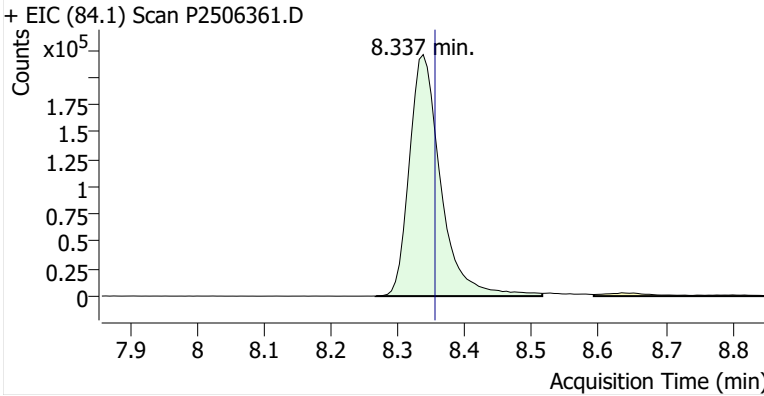
**Name** PPSP-8-D-20250924  
**Comment** C69757  
**Data File** P2506361.D  
**Acq. Date-Time** 10/11/2025 2:48:08 AM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

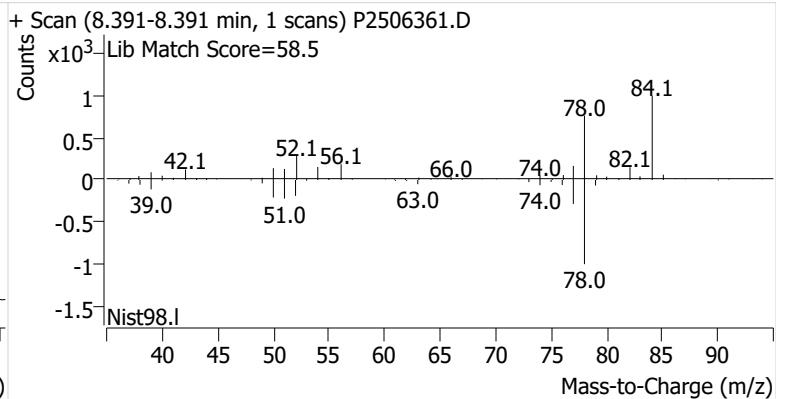
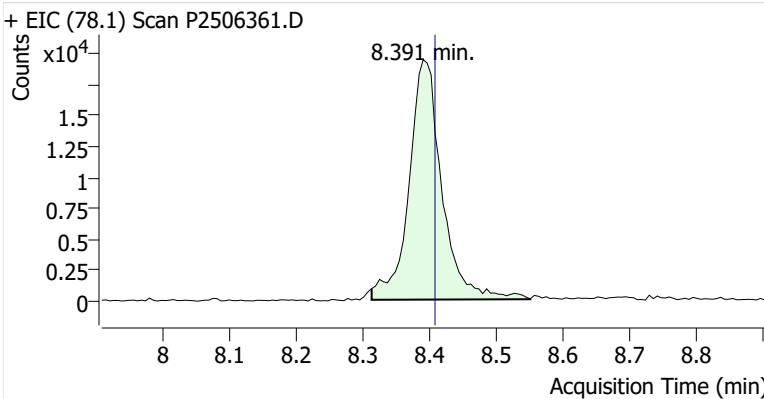


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.337	8.355	721,244	
Benzene	benzene-d6 (IS)	8.391	8.408	66,322	
Toluene-d8 (IS)		10.901	10.913	779,046	
Toluene	Toluene-d8 (IS)	10.990	11.008	93,281	
Ethylbenzene	Toluene-d8 (IS)	13.121	13.139	11,123	
m-/p-Xylenes	Toluene-d8 (IS)	13.293	13.311	26,628	
o-Xylene	Toluene-d8 (IS)	13.786	13.798	10,636	

**benzene-d6 (IS)**

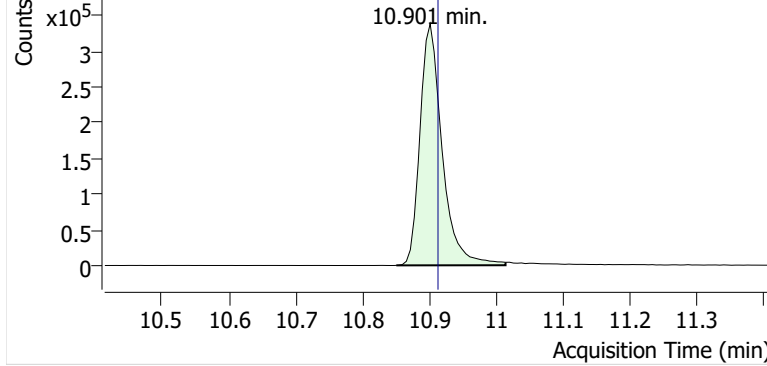


**Benzene**

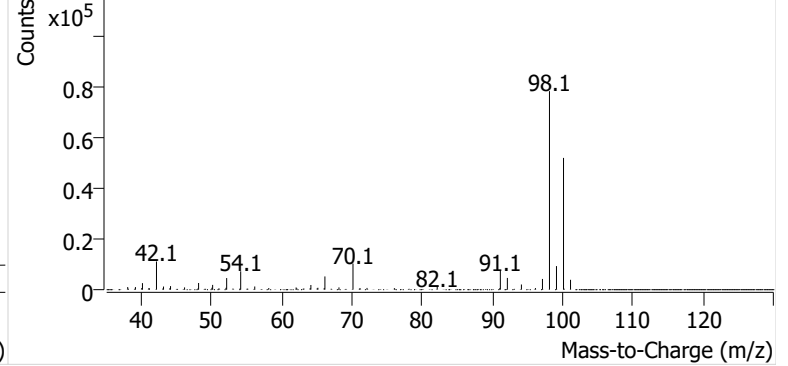


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2506361.D

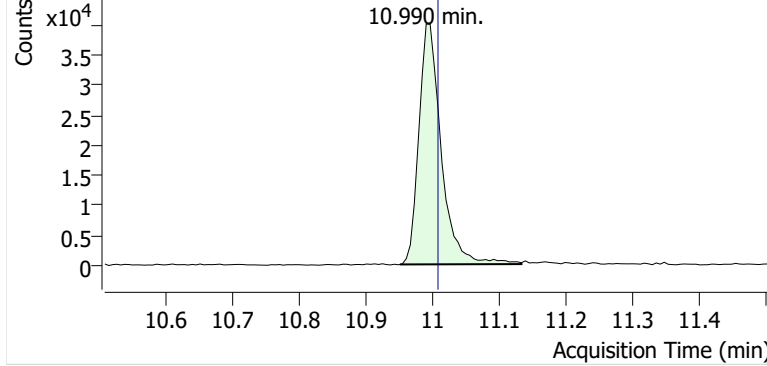


+ Scan (10.851-11.014 min, 28 scans) P2506361.D

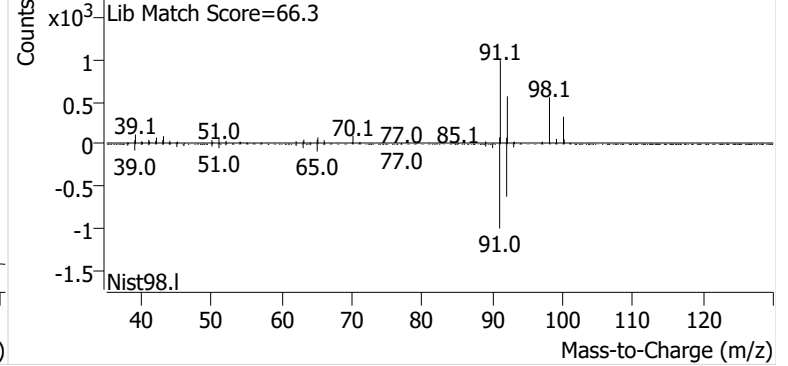


**Toluene**

+ EIC (91.1) Scan P2506361.D

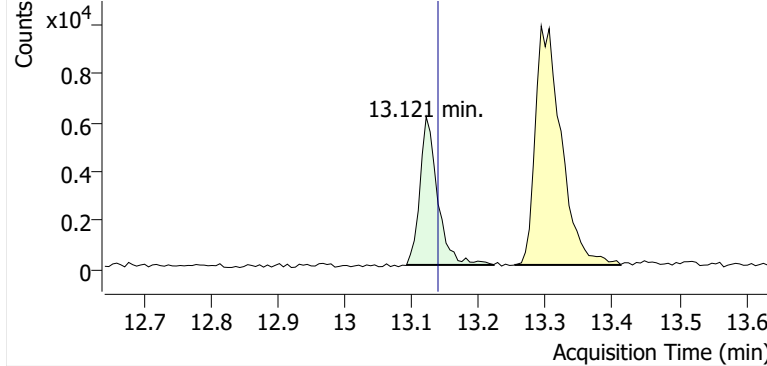


+ Scan (10.951-11.133 min, 31 scans) P2506361.D

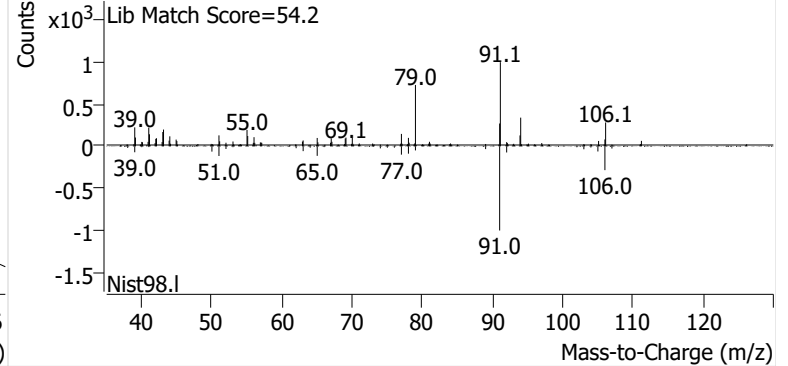


**Ethylbenzene**

+ EIC (91.1) Scan P2506361.D

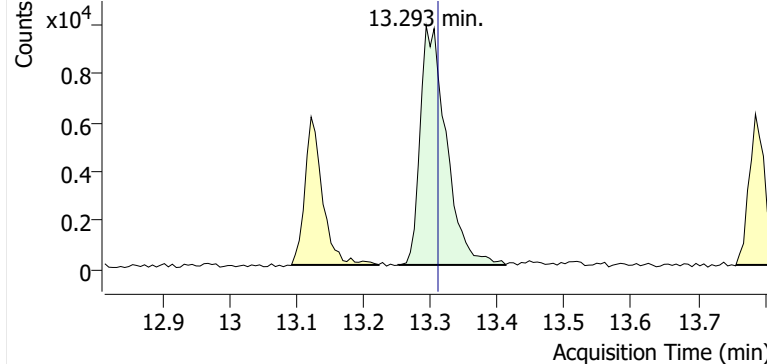


+ Scan (13.092-13.222 min, 22 scans) P2506361.D

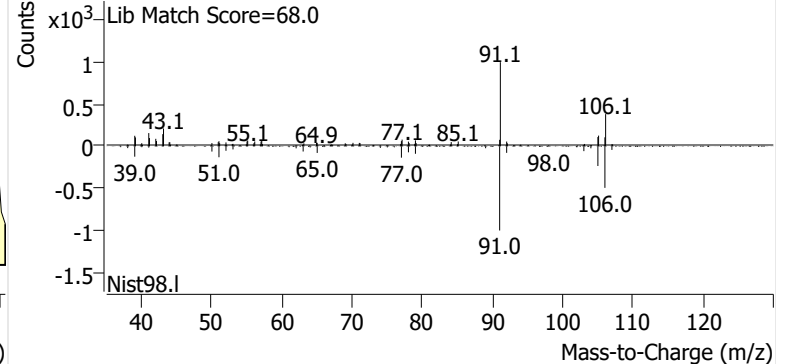


**m-/p-Xylenes**

+ EIC (91.1) Scan P2506361.D

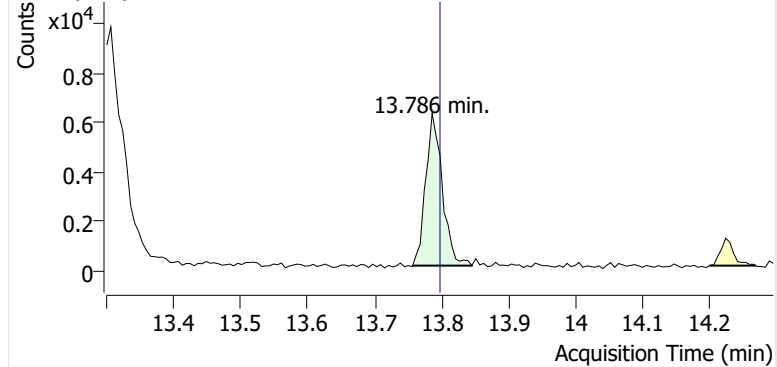


+ Scan (13.252-13.412 min, 28 scans) P2506361.D

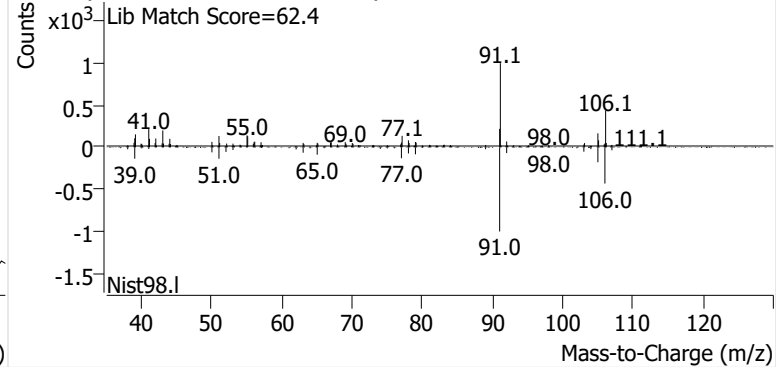


**o-Xylene**

+ EIC (91.1) Scan P2506361.D

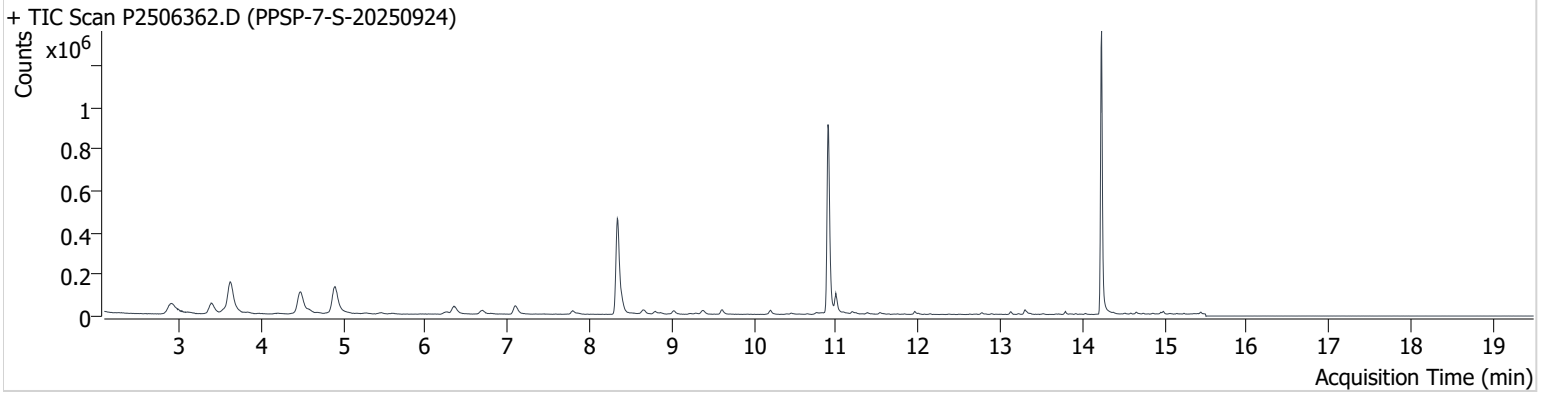


+ Scan (13.757-13.845 min, 15 scans) P2506361.D



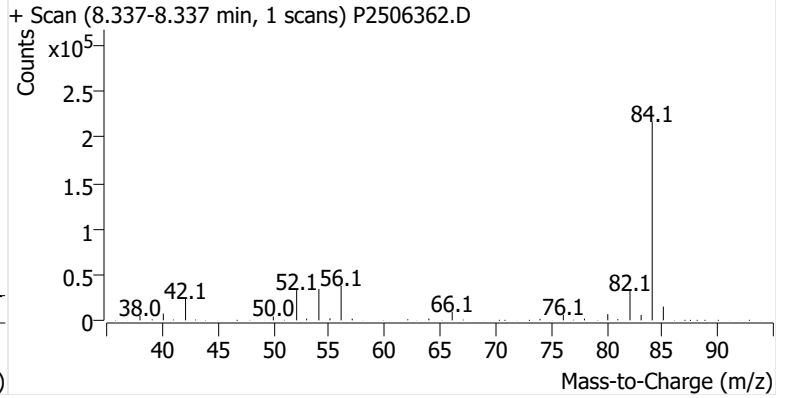
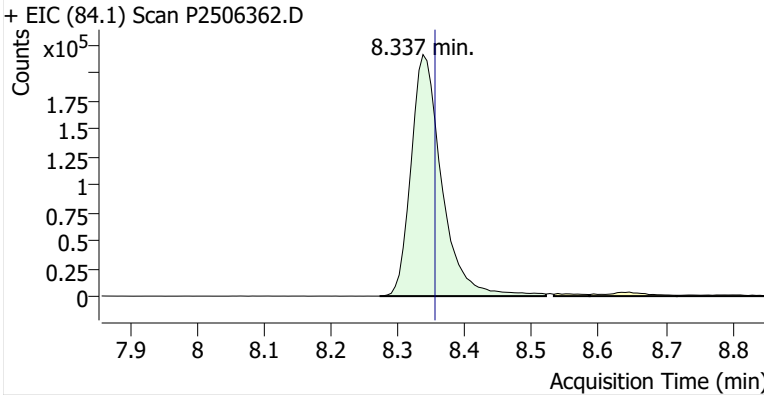
**Name** PPSP-7-S-20250924  
**Comment** B46315  
**Data File** P2506362.D  
**Acq. Date-Time** 10/11/2025 3:25:28 AM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

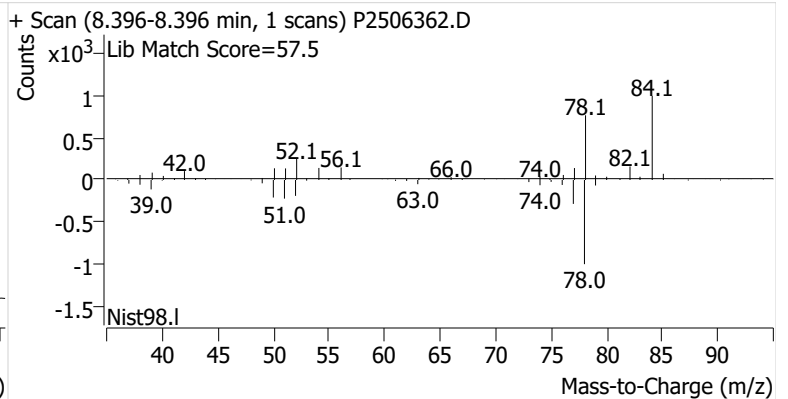
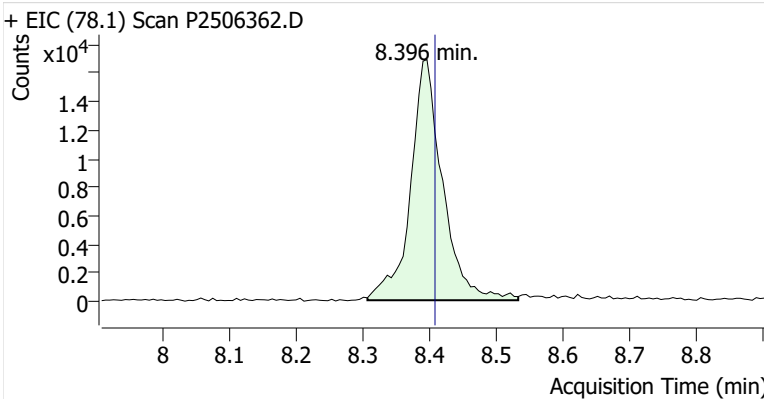


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.337	8.355	693,029	
Benzene	benzene-d6 (IS)	8.396	8.408	56,467	
Toluene-d8 (IS)		10.901	10.913	755,684	
Toluene	Toluene-d8 (IS)	10.996	11.008	64,485	
Ethylbenzene	Toluene-d8 (IS)	13.127	13.139	9,930	
m-/p-Xylenes	Toluene-d8 (IS)	13.299	13.311	18,711	
o-Xylene	Toluene-d8 (IS)	13.791	13.798	7,697	

**benzene-d6 (IS)**

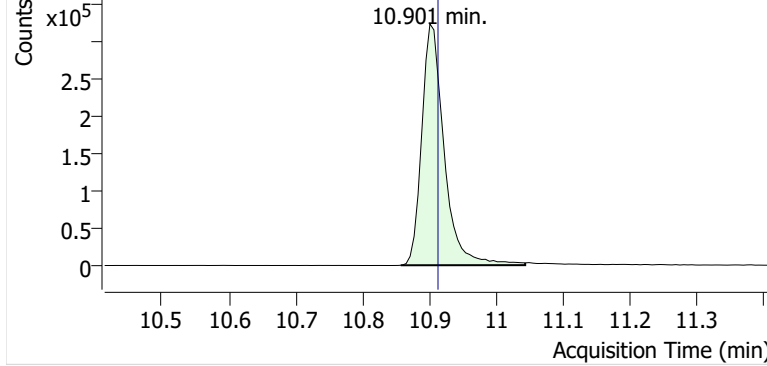


**Benzene**

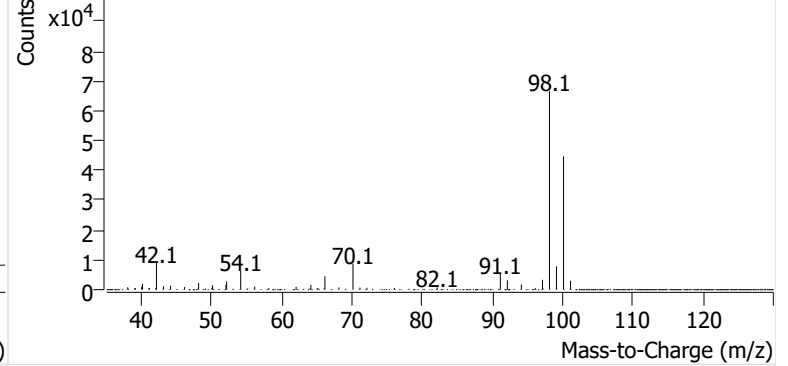


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2506362.D

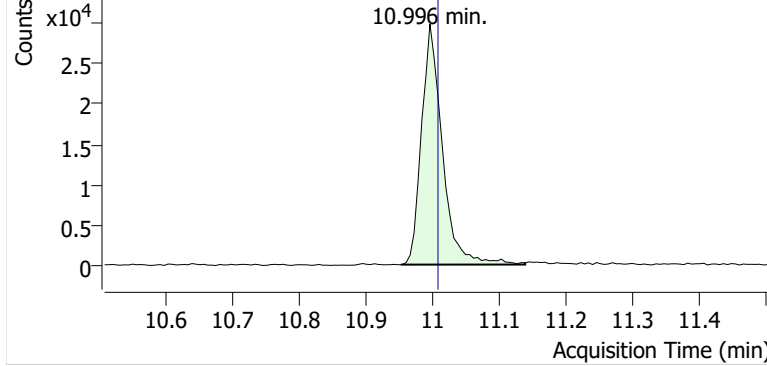


+ Scan (10.857-11.043 min, 32 scans) P2506362.D

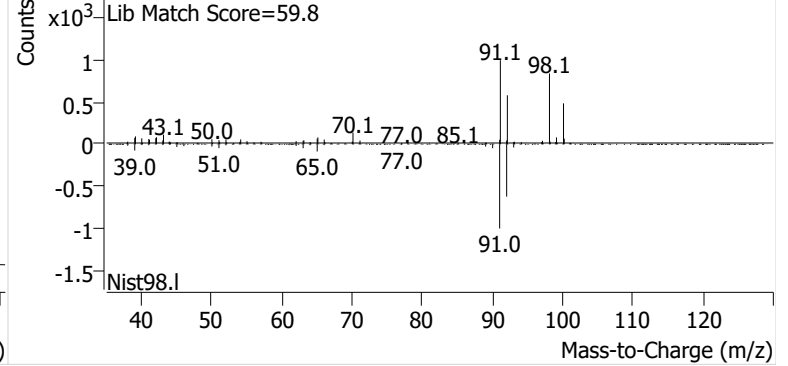


**Toluene**

+ EIC (91.1) Scan P2506362.D

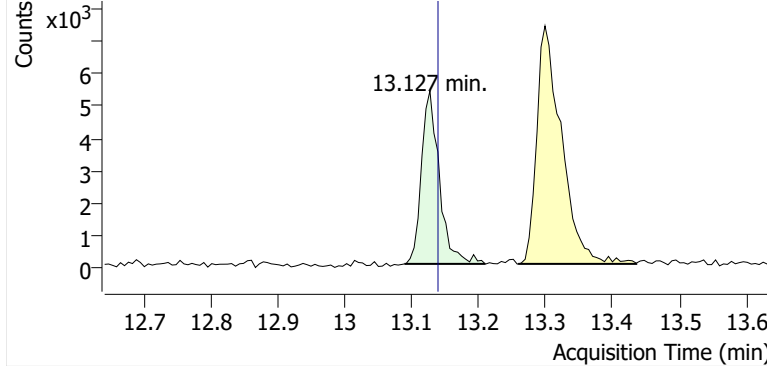


+ Scan (10.952-11.138 min, 32 scans) P2506362.D

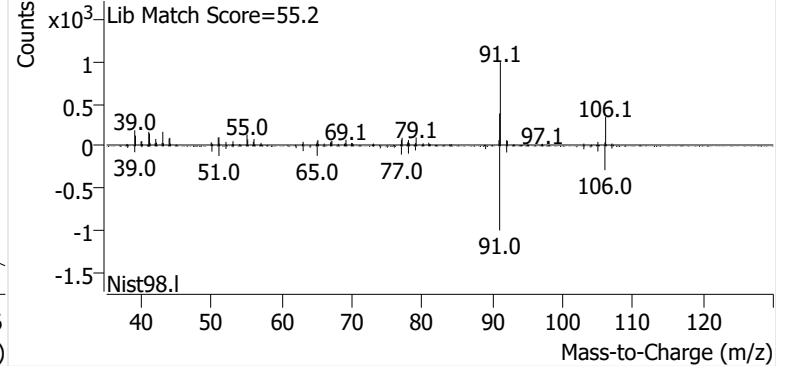


**Ethylbenzene**

+ EIC (91.1) Scan P2506362.D

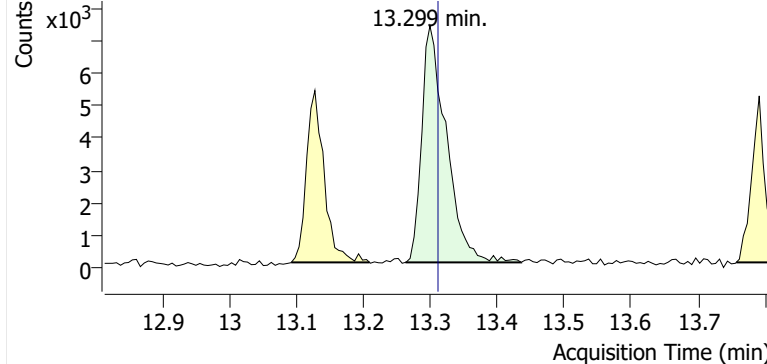


+ Scan (13.089-13.209 min, 20 scans) P2506362.D

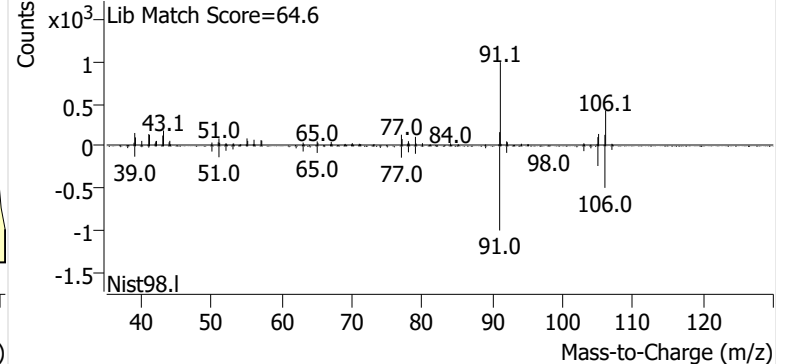


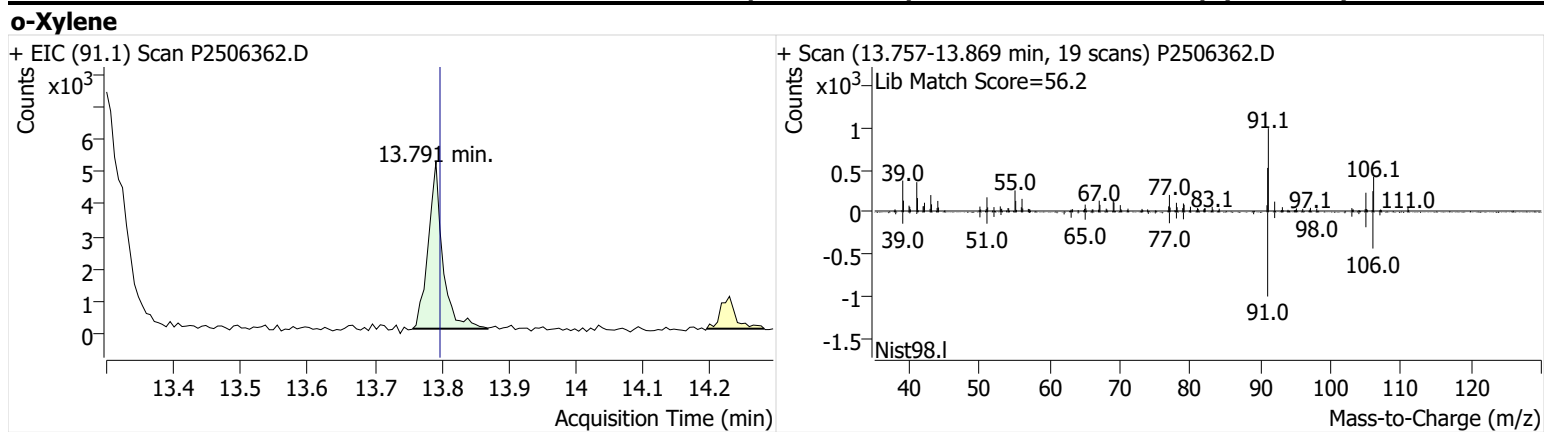
**m-/p-Xylenes**

+ EIC (91.1) Scan P2506362.D



+ Scan (13.262-13.435 min, 30 scans) P2506362.D





# Initial Calibration



# Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW401-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

## Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
P093025A_CC185154_R2	Benzene	1	P2506085.D	5.91	64651	90.3	768442	1.285	0.16
P093025A_CC185154_R2	Benzene	2	P2506086.D	11.82	111517	90.3	752674	1.131	0.023
P093025A_CC185154_R2	Benzene	3	P2506087.D	23.65	215473	90.3	729427	1.128	0.02
P093025A_CC185154_R2	Benzene	4	P2506095.D	47.56	405873	90.3	701017	1.099	-0.0063
P093025A_CC185154_R2	Benzene	5	P2506089.D	119.18	964609	90.3	703835	1.038	-0.061
P093025A_CC185154_R2	Benzene	6	P2506090.D	238.37	1915545	90.3	695486	1.043	-0.057
P093025A_CC185154_R2	Benzene	7	P2506091.D	715.10	5477615	90.3	679667	1.018	-0.08
							Avg:	718650	1.106
							%RSD:	4.5%	8.2%
P093025A_CC185154_R2	Toluene	1	P2506085.D	5.19	48699	105.3	897005	1.101	0.021
P093025A_CC185154_R2	Toluene	2	P2506086.D	10.39	84071	105.3	860101	0.991	-0.081
P093025A_CC185154_R2	Toluene	3	P2506087.D	20.77	185931	105.3	842946	1.118	0.037
P093025A_CC185154_R2	Toluene	4	P2506095.D	41.77	385227	105.3	810249	1.198	0.11
P093025A_CC185154_R2	Toluene	5	P2506089.D	104.68	919060	105.3	815253	1.134	0.052
P093025A_CC185154_R2	Toluene	6	P2506090.D	209.36	1631100	105.3	802898	1.022	-0.052
P093025A_CC185154_R2	Toluene	7	P2506091.D	628.07	4644465	105.3	794175	0.980	-0.09
							Avg:	831804	1.078
							%RSD:	4.4%	7.6%
P093025A_CC185154_R2	Ethylbenzene	1	P2506085.D	5.40	54916	105.3	897005	1.194	0.11
P093025A_CC185154_R2	Ethylbenzene	2	P2506086.D	10.79	83189	105.3	860101	0.943	-0.12
P093025A_CC185154_R2	Ethylbenzene	3	P2506087.D	21.59	198026	105.3	842946	1.146	0.066
P093025A_CC185154_R2	Ethylbenzene	4	P2506095.D	43.42	409411	105.3	810249	1.225	0.14
P093025A_CC185154_R2	Ethylbenzene	5	P2506089.D	108.79	1057900	105.3	815253	1.256	0.17
P093025A_CC185154_R2	Ethylbenzene	6	P2506090.D	217.59	1426107	105.3	802898	0.860	-0.2
P093025A_CC185154_R2	Ethylbenzene	7	P2506091.D	652.76	4419836	105.3	794175	0.898	-0.16
							Avg:	831804	1.075
							%RSD:	4.4%	15.7%
P093025A_CC185154_R2	m-/p-Xylenes	1	P2506085.D	6.05	41289	105.3	897005	0.801	0.099
P093025A_CC185154_R2	m-/p-Xylenes	2	P2506086.D	12.10	53230	105.3	860101	0.539	-0.26
P093025A_CC185154_R2	m-/p-Xylenes	3	P2506087.D	24.19	136855	105.3	842946	0.707	-0.031
P093025A_CC185154_R2	m-/p-Xylenes	4	P2506095.D	48.66	346397	105.3	810249	0.925	0.27
P093025A_CC185154_R2	m-/p-Xylenes	5	P2506089.D	121.93	886042	105.3	815253	0.939	0.29
P093025A_CC185154_R2	m-/p-Xylenes	6	P2506090.D	243.85	994122	105.3	802898	0.535	-0.27
P093025A_CC185154_R2	m-/p-Xylenes	7	P2506091.D	731.56	3644285	105.3	794175	0.660	-0.094
							Avg:	831804	0.729
							%RSD:	4.4%	22.9%
P093025A_CC185154_R2	o-Xylene	1	P2506085.D	5.62	39868	105.3	897005	0.832	0.036
P093025A_CC185154_R2	o-Xylene	2	P2506086.D	11.25	53201	105.3	860101	0.579	-0.28
P093025A_CC185154_R2	o-Xylene	3	P2506087.D	22.50	145789	105.3	842946	0.809	0.0078

## Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW401-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

### Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
P093025A_CC185154_R2	o-Xylene	4	P2506095.D	45.25	360272	105.3	810249	1.035	0.29
P093025A_CC185154_R2	o-Xylene	5	P2506089.D	113.39	870379	105.3	815253	0.991	0.23
P093025A_CC185154_R2	o-Xylene	6	P2506090.D	226.78	990221	105.3	802898	0.573	-0.29
						Avg:	838075	0.803	
						%RSD:	4.3%	24.5%	

### Calibration Curves

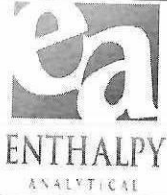
Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
P093025A_CC185154_R2	Benzene	ICV	P2506092.D	62.86	413323	90.3	669753	0.886	-20.0%
P093025A_CC185154_R2	Toluene	ICV	P2506092.D	74.97	513254	105.3	776193	0.929	-14.0%
P093025A_CC185154_R2	Ethylbenzene	ICV	P2506092.D	84.40	624609	105.3	776193	1.004	-6.6%
P093025A_CC185154_R2	m-/p-Xylenes	ICV	P2506092.D	87.86	506723	105.3	776193	0.782	7.3%
P093025A_CC185154_R2	o-Xylene	ICV	P2506092.D	86.47	513283	105.3	776193	0.805	0.3%

M325B PDF Report ver.20250917

# Sample Custody



2025FW401



EPA Method 325 A/B  
Field Test Data Sheet and  
Chain of Custody Record

Page # 1 of # 2

- Standard Turn Around Time (7 business days)
- Rush Turn Around Time
- All TATs Subject to Approval by Enthalpy Analytical, LLC
- Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name:	South Portland Terminal	Client Name:	Portland Pipe Line	PO#:
Site Address:		Project Number:		Sample Event #
City:		Project Manager:	Tom Rolfson	Sorbent:
State:		Email Address:	tom.rolfson@powererg.com	
Zip:		Telephone #:		

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
6	C70855	sample	9/24/25	10:34 AM	10/8/25	11:21 AM	JB / JB		
5	C57090	sample	9/24/25	10:39 AM	10/8/25	11:29 AM	JB / JB		
4	B46861	sample	9/24/25	10:43 AM	10/8/25	11:33 AM	JB / JB		
3	C69687	sample	9/24/25	10:48 AM	10/8/25	11:37 AM	JB / JB		
2	C59972	sample	9/24/25	10:52 AM	10/8/25	11:41 AM	JB / JB		
1	C00811	sample	9/24/25	10:55 AM	10/8/25	11:43 AM	JB / JB		
1	C70552	blank	9/24/25	10:55 AM	10/8/25	11:43 AM	JB / JB		
13	C33001	sample	9/24/25	11:00 AM	10/8/25	11:47 AM	JB / JB		

Relinquished By (printed):	Relinquished By (signature):	Relinquished Date:	Relinquished Time:
<b>Jen Bowidowicz</b>	<i>Jennifer Bowidowicz</i>	10/8/2025	

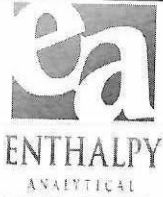
Received By (printed):	Received By (signature):	Receipt Date:	Receipt Time:
<i>Kaitlyn Caminiti</i>	<i>Kaitlyn Caminiti</i>	10/9/25	10:30 AM

Sample Condition Upon Receipt:	Compound List:	Custody Seal intact? Y/N:	Delivery tracking #
Good	BTEX	Y	

Ice Temp:	Blank Temp:	Add Custody Seal # below:
	12.7 Fluke4	25E12593

Comments: Please pull the ambient temp from the KPWM NOAA station. Thank you

2025FW401



EPA Method 325 A/B  
Field Test Data Sheet and  
Chain of Custody Record

Page # 2 of # 2

- Standard Turn Around Time (7 business days)
- Rush Turn Around Time
- All TATs Subject to Approval by Enthalpy Analytical, LLC
- Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

<b>Site Name:</b> South Portland Terminal			<b>Client Name:</b> Portland Pipe Line			<b>PO#:</b> -			
<b>Site Address:</b>			<b>Project Number:</b>			<b>Sample Event #:</b>			
<b>City:</b>			<b>Project Manager:</b> Tom Rolfson			<b>Sorbent:</b>			
<b>State:</b>			<b>Email Address:</b> tom.rolfson@powererg.com						
<b>Zip:</b>			<b>Telephone #:</b>						
Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
12	C35755	sample	9/24/25	11:07 AM	10/8/25	11:51 AM	JB / JB		
11	C61499	sample	9/24/25	11:11 AM	10/8/25	11:55 AM	JB / JB		
10	C70752	sample	9/24/25	11:16 AM	10/8/25	11:59 AM	JB / JB		
9	B46772	sample	9/24/25	11:20 AM	10/8/25	12:02 PM	JB / JB		
8	C01402	sample	9/24/25	11:26 AM	10/8/25	12:07 PM	JB / JB		
8	C69757	duplicate	9/24/25	11:26 AM	10/8/25	12:07 PM	JB / JB		
7	B46315	sample	9/24/25	11:30 AM	10/8/25	12:11 PM	JB / JB		
<b>Relinquished By (printed):</b> Jen Bowidowicz			<b>Relinquished By (signature):</b> <i>Jennifer Bowidowicz</i>			<b>Relinquished Date:</b> 10/8/2025		<b>Relinquished Time:</b>	
<b>Received By (printed):</b> Kaitlyn Caminiti			<b>Received By (signature):</b> <i>Kaitlyn Caminiti</i>			<b>Receipt Date:</b> 10/9/25		<b>Receipt Time:</b> 10:30 AM	
<b>Sample Condition Upon Receipt:</b> Good			<b>Compound List:</b> BTEX			<b>Custody Seal intact? Y/N:</b> Y		<b>Delivery tracking #</b>	
<b>Ice Temp:</b>	<b>Blank Temp:</b> 12.7 Fluke4					<b>Add Custody Seal # below:</b> 25E12593			
<b>Comments:</b> Please pull the ambient temp from the KPWM NOAA station. Thank you									
800-1 Capitola Drive • Durham, NC 27713 • (919) 850-4392 • FAX (919) 850-9012 • www.enthalpy.com									

**This Is The Last Page  
Of This Report.**



# Portland Pipeline - S Portland, ME

303 U.S. Route One  
Freeport, ME 04032

## Portland Pipeline - S Portland, ME

Samples Received: 10/29/2025

### Analytical Report 2025FW402

### EPA Method 325B Analysis

Report Issue Date: 11/7/2025

I certify that to the best of my knowledge all analytical data presented in this report have been checked for completeness, accuracy, errors and legibility in addition to having been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s). This report shall not be reproduced except in full without approval of the laboratory. This will provide assurance that parts of the report are not taken out of context.

Amendment(s):

Signature:



QA REVIEW PERFORMED BY  
Brianna Berry  
QA Associate I



Matt Cavanaugh  
Matthew.Cavanaugh@enthalpy.com / www.enthalpy.com  
O: (919) 850-4392  
Enthalpy Analytical  
800 Capitola Drive Suite 1 Durham, NC 27713

## Table of Contents

Case Narrative .....	3
Results .....	6
Summary of Results .....	7
Detailed Results .....	8
QC Data .....	11
Chromatograms .....	14
Initial Calibration .....	63
Sample Custody .....	66
Chain of Custody .....	67

# Narrative Summary



# Enthalpy Analytical Narrative Summary

Company	Power Engineers, Inc.
Job No.	2025FW402-1
Client ID.	Site: Portland Pipeline - S Portland, ME

## 1. Custody

The samples were received at Enthalpy Analytical on October 29, 2025 at 15.8 °C. The samples were received in good condition. Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, LLC

**Table 1 - Sample Inventory**

Sample ID	Tube ID	Sample Type
PPSP-6-S-20251008	C55512	Sample
PPSP-5-S-20251008	B47883	Sample
PPSP-4-S-20251008	C33294	Sample
PPSP-3-S-20251008	C17194	Sample
PPSP-2-S-20251008	B19256	Sample
PPSP-1-S-20251008	C43238	Sample
PPSP-1-B-20251008	C43220	Blank
PPSP-13-S-20251008	C36869	Sample
PPSP-12-S-20251008	C35769	Sample
PPSP-11-S-20251008	C70885	Sample
PPSP-10-S-20251008	B52729	Sample
PPSP-9-S-20251008	B46100	Sample
PPSP-8-S-20251008	C24171	Sample
PPSP-8-D-20251008	C16073	Duplicate
PPSP-7-S-20251008	C01842	Sample

## 2. Analysis

The samples were analyzed for Benzene, Toluene, Ethylbenzene, m-/p-Xylenes, and o-Xylene using EPA Method 325B – Volatile Organic Compounds from Fugitive and Area Sources by Thermal Desorption and GC/MS. A copy of the acquisition method M325B-MTD is not included in this report but may be available upon request.

The sample tube media used for this sampling period was CarbopackX. All calibration standards and laboratory QC were prepared using the same media.

## 3. Calibration

All BFB tune criteria have been met for this analysis.

The initial calibration (E050525A\_CC252679\_QT\_CC185154) met all 30% RSD criteria. The initial calibration verification met  $\pm 30\%$  recovery criteria. The continuing calibration verifications met 30% difference criteria. The initial and continuing calibration raw data are not included in this report but are available upon request.

# Enthalpy Analytical Narrative Summary

Company	Power Engineers, Inc.
Job No.	2025FW402-1
Client ID.	Site: Portland Pipeline - S Portland, ME

## 5. QC Notes

All quality control criteria required by the method and/or the laboratory SOP have been met unless noted otherwise below.

## 6. Reporting Notes

All tubes used for this sampling period met the method criteria for number of uses; no tube exceeded 50 field uses.

As specified in EPA Method 325B, the response factor of the daily continuing calibration standard was used to quantitate all field samples and blanks.

All samples were reported as amount in ng catch, and concentration in  $\mu\text{g}/\text{m}^3$  and ppbv.

The results presented in this report are representative of the samples as provided to the laboratory. These analyses met the requirements of the TNI Standard. Any deviations from the requirements of the reference method or TNI Standard have been stated above.

Enthalpy Analytical, located at 800 Capitola Drive, Suite 1, Durham NC, 27713 is accredited by the Louisiana Department of Environmental Quality (LDEQ) for EPA Method 325B for all analytes included in this report under **Certificate Number 04010**.

# Results

# Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW402-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

## Summary

Sample Code	Tube ID	Benzene		Toluene		Ethylbenzene		m-/p-Xylenes		o-Xylene	
		(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag
PPSP-6-S-20251008	C55512	0.457		0.772		ND		0.458	J		ND
PPSP-5-S-20251008	B47883	0.700		1.13		ND		0.457	J		ND
PPSP-4-S-20251008	C33294	0.548		0.773		ND		0.414	J		ND
PPSP-3-S-20251008	C17194	0.513		0.791		ND		0.375	J		ND
PPSP-2-S-20251008	B19256	0.780		0.736		ND		0.357	J		ND
PPSP-1-S-20251008	C43238	0.667		0.699		ND		0.304	J		ND
PPSP-1-B-20251008	C43220		ND		ND	ND			ND		ND
PPSP-13-S-20251008	C36869	0.426		0.591		ND		0.280	J		ND
PPSP-12-S-20251008	C35769	0.452		0.867		ND			ND		ND
PPSP-11-S-20251008	C70885	0.483		0.624		ND		0.331	J		ND
PPSP-10-S-20251008	B52729	0.828		1.02		ND		0.502	J		ND
PPSP-9-S-20251008	B46100	0.593		0.692		ND		0.391	J		ND
PPSP-8-S-20251008	C24171	0.458		0.681		ND		0.354	J		ND
PPSP-8-D-20251008	C16073	0.498		0.711		ND		0.364	J		ND
PPSP-7-S-20251008	C01842	0.518		0.830		ND		0.389	J		ND

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit

ND: The analyte was not present above the Method Detection Limit

# Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW402-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

## Benzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20251008	C55512	0.457	0.143	6.06	51.4	0.654	20309	0.188	0.372	0.0590	0.116		E2504620.d	2025-10-30 09:21	0.972	8.095	55831	513284	54.2	8.038	7.8%
PPSP-5-S-20251008	B47883	0.700	0.219	9.30	51.4	0.654	20313	0.188	0.372	0.0590	0.116		E2504621.d	2025-10-30 09:46	0.972	8.095	85672	513567	54.2	8.038	7.9%
PPSP-4-S-20251008	C33294	0.548	0.172	7.28	51.4	0.654	20317	0.188	0.372	0.0589	0.116		E2504622.d	2025-10-30 10:12	0.972	8.095	69743	534171	54.2	8.038	12.2%
PPSP-3-S-20251008	C17194	0.513	0.161	6.81	51.4	0.654	20318	0.188	0.372	0.0589	0.116		E2504623.d	2025-10-30 10:38	0.972	8.095	64896	530810	54.2	8.038	11.5%
PPSP-2-S-20251008	B19256	0.780	0.244	10.4	51.4	0.654	20317	0.188	0.372	0.0589	0.116		E2504624.d	2025-10-30 11:03	0.972	8.095	93719	504011	54.2	8.038	5.9%
PPSP-1-S-20251008	C43238	0.667	0.209	8.86	51.4	0.654	20318	0.188	0.372	0.0589	0.116		E2504625.d	2025-10-30 11:29	0.972	8.095	84008	528549	54.2	8.038	11.0%
PPSP-1-B-20251008	C43220				51.4	0.654	20318	0.188	0.372	0.0589	0.116	ND	E2504619.d	2025-10-30 08:55	0.972	8.095	5261	525350	54.2	8.038	10.3%
PPSP-13-S-20251008	C36869	0.426	0.133	5.66	51.4	0.654	20318	0.188	0.372	0.0589	0.116		E2504626.d	2025-10-30 11:55	0.972	8.095	53223	523918	54.2	8.038	10.0%
PPSP-12-S-20251008	C35769	0.452	0.142	6.00	51.4	0.654	20319	0.188	0.372	0.0589	0.116		E2504627.d	2025-10-30 12:21	0.972	8.095	56586	525181	54.2	8.038	10.3%
PPSP-11-S-20251008	C70885	0.483	0.151	6.42	51.4	0.654	20318	0.188	0.372	0.0589	0.116		E2504628.d	2025-10-30 12:47	0.972	8.095	59251	514248	54.2	8.038	8.0%
PPSP-10-S-20251008	B52729	0.828	0.259	11.0	51.4	0.654	20318	0.188	0.372	0.0589	0.116		E2504629.d	2025-10-30 13:12	0.972	8.095	102791	520673	54.2	8.038	9.4%
PPSP-9-S-20251008	B46100	0.593	0.186	7.87	51.4	0.654	20320	0.188	0.372	0.0589	0.116		E2504631.d	2025-10-30 14:03	0.972	8.095	67863	480231	54.2	8.038	0.9%
PPSP-8-S-20251008	C24171	0.458	0.143	6.09	51.4	0.654	20320	0.188	0.372	0.0589	0.116		E2504632.d	2025-10-30 14:29	0.972	8.095	52936	484786	54.2	8.038	1.8%
PPSP-8-D-20251008	C16073	0.498	0.156	6.62	51.4	0.654	20320	0.188	0.372	0.0589	0.116		E2504633.d	2025-10-30 14:54	0.972	8.095	58761	494952	54.2	8.038	4.0%
PPSP-7-S-20251008	C01842	0.518	0.162	6.88	51.4	0.654	20321	0.188	0.372	0.0589	0.116		E2504634.d	2025-10-30 15:20	0.972	8.095	59774	484233	54.2	8.038	1.7%

## Toluene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20251008	C55512	0.772	0.205	7.95	51.4	0.507	20309	0.243	0.518	0.0644	0.138		E2504620.d	2025-10-30 09:21	1.135	10.832	75452	527901	63.2	10.738	7.0%
PPSP-5-S-20251008	B47883	1.13	0.300	11.7	51.4	0.507	20313	0.243	0.518	0.0644	0.138		E2504621.d	2025-10-30 09:46	1.135	10.832	110946	529789	63.2	10.739	7.4%
PPSP-4-S-20251008	C33294	0.773	0.205	7.97	51.4	0.507	20317	0.242	0.518	0.0644	0.137		E2504622.d	2025-10-30 10:12	1.135	10.839	78665	549533	63.2	10.738	11.4%
PPSP-3-S-20251008	C17194	0.791	0.210	8.15	51.4	0.507	20318	0.242	0.518	0.0644	0.137		E2504623.d	2025-10-30 10:38	1.135	10.839	79509	542791	63.2	10.738	10.0%
PPSP-2-S-20251008	B19256	0.736	0.195	7.58	51.4	0.507	20317	0.242	0.518	0.0644	0.137		E2504624.d	2025-10-30 11:03	1.135	10.839	72908	534887	63.2	10.739	8.4%
PPSP-1-S-20251008	C43238	0.699	0.186	7.20	51.4	0.507	20318	0.242	0.518	0.0644	0.137		E2504625.d	2025-10-30 11:29	1.135	10.839	70596	545359	63.2	10.739	10.6%
PPSP-1-B-20251008	C43220				51.4	0.507	20318	0.242	0.518	0.0644	0.137	ND	E2504619.d	2025-10-30 08:55	1.135	10.839	6101	550468	63.2	10.738	11.6%
PPSP-13-S-20251008	C36869	0.591	0.157	6.10	51.4	0.507	20318	0.242	0.518	0.0644	0.137		E2504626.d	2025-10-30 11:55	1.135	10.839	59770	545439	63.2	10.739	10.6%
PPSP-12-S-20251008	C35769	0.867	0.230	8.94	51.4	0.507	20319	0.242	0.518	0.0644	0.137		E2504627.d	2025-10-30 12:21	1.135	10.839	87977	547793	63.2	10.738	11.1%
PPSP-11-S-20251008	C70885	0.624	0.166	6.44	51.4	0.507	20318	0.242	0.518	0.0644	0.137		E2504628.d	2025-10-30 12:47	1.135	10.839	61528	531843	63.2	10.738	7.8%
PPSP-10-S-20251008	B52729	1.02	0.272	10.6	51.4	0.507	20318	0.242	0.518	0.0644	0.137		E2504629.d	2025-10-30 13:12	1.135	10.839	103292	544028	63.2	10.738	10.3%
PPSP-9-S-20251008	B46100	0.692	0.184	7.14	51.4	0.507	20320	0.242	0.518	0.0644	0.137		E2504631.d	2025-10-30 14:03	1.135	10.832	64707	504295	63.2	10.738	2.2%
PPSP-8-S-20251008	C24171	0.681	0.181	7.02	51.4	0.507	20320	0.242	0.518	0.0644	0.137		E2504632.d	2025-10-30 14:29	1.135	10.831	64105	507748	63.2	10.738	2.9%
PPSP-8-D-20251008	C16073	0.711	0.189	7.33	51.4	0.507	20320	0.242	0.518	0.0644	0.137		E2504633.d	2025-10-30 14:54	1.135	10.839	67405	511849	63.2	10.739	3.8%
PPSP-7-S-20251008	C01842	0.830	0.220	8.56	51.4	0.507	20321	0.242	0.518	0.0644	0.137		E2504634.d	2025-10-30 15:20	1.135	10.832	78419	509783	63.2	10.739	3.3%

## Ethylbenzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20251008	C55512				51.4	0.449	20309	0.274	0.563	0.0632	0.130	ND	E2504620.d	2025-10-30 09:21	1.114	13.023	13282	527901	63.2	10.738	7.0%
PPSP-5-S-20251008	B47883				51.4	0.449	20313	0.274	0.563	0.0632	0.130	ND	E2504621.d	2025-10-30 09:46	1.114	13.031	14432	529789	63.2	10.739	7.4%
PPSP-4-S-20251008	C33294				51.4	0.449	20317	0.274	0.563	0.0632	0.130	ND	E2504622.d	2025-10-30 10:12	1.114	13.031	14378	549533	63.2	10.738	11.4%

## Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW402-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

### Ethylbenzene

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-3-S-20251008	C17194				51.4	0.449	20318	0.274	0.563	0.0632	0.130	ND	E2504623.d	2025-10-30 10:38	1.114	13.031	11267	542791	63.2	10.738	10.0%
PPSP-2-S-20251008	B19256				51.4	0.449	20317	0.274	0.563	0.0632	0.130	ND	E2504624.d	2025-10-30 11:03	1.114	13.031	10567	534887	63.2	10.739	8.4%
PPSP-1-S-20251008	C43238				51.4	0.449	20318	0.274	0.563	0.0632	0.130	ND	E2504625.d	2025-10-30 11:29	1.114	13.024	10515	545359	63.2	10.739	10.6%
PPSP-1-B-20251008	C43220				51.4	0.449	20318	0.274	0.563	0.0632	0.130	ND	E2504619.d	2025-10-30 08:55	1.114	13.203	0	550468	63.2	10.738	11.6%
PPSP-13-S-20251008	C36869				51.4	0.449	20318	0.274	0.563	0.0632	0.130	ND	E2504626.d	2025-10-30 11:55	1.114	13.031	9782	545439	63.2	10.739	10.6%
PPSP-12-S-20251008	C35769				51.4	0.449	20319	0.274	0.563	0.0632	0.130	ND	E2504627.d	2025-10-30 12:21	1.114	13.031	8985	547793	63.2	10.738	11.1%
PPSP-11-S-20251008	C70885				51.4	0.449	20318	0.274	0.563	0.0632	0.130	ND	E2504628.d	2025-10-30 12:47	1.114	13.030	8046	531843	63.2	10.738	7.8%
PPSP-10-S-20251008	B52729				51.4	0.449	20318	0.274	0.563	0.0632	0.130	ND	E2504629.d	2025-10-30 13:12	1.114	13.031	14479	544028	63.2	10.738	10.3%
PPSP-9-S-20251008	B46100				51.4	0.449	20320	0.274	0.563	0.0632	0.130	ND	E2504631.d	2025-10-30 14:03	1.114	13.031	12324	504295	63.2	10.738	2.2%
PPSP-8-S-20251008	C24171				51.4	0.449	20320	0.274	0.563	0.0632	0.130	ND	E2504632.d	2025-10-30 14:29	1.114	13.031	12483	507748	63.2	10.738	2.9%
PPSP-8-D-20251008	C16073				51.4	0.449	20320	0.274	0.563	0.0632	0.130	ND	E2504633.d	2025-10-30 14:54	1.114	13.031	12095	511849	63.2	10.739	3.8%
PPSP-7-S-20251008	C01842				51.4	0.449	20321	0.274	0.563	0.0632	0.130	ND	E2504634.d	2025-10-30 15:20	1.114	13.031	15029	509783	63.2	10.739	3.3%

### m-/p-Xylenes

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20251008	C55512	0.458	0.106	4.18	51.4	0.449	20309	0.274	0.532	0.0632	0.123	J	E2504620.d	2025-10-30 09:21	0.835	13.203	29124	527901	63.2	10.738	7.0%
PPSP-5-S-20251008	B47883	0.457	0.105	4.17	51.4	0.449	20313	0.274	0.532	0.0632	0.122	J	E2504621.d	2025-10-30 09:46	0.835	13.203	29153	529789	63.2	10.739	7.4%
PPSP-4-S-20251008	C33294	0.414	0.0954	3.78	51.4	0.449	20317	0.274	0.531	0.0632	0.122	J	E2504622.d	2025-10-30 10:12	0.835	13.210	27409	549533	63.2	10.738	11.4%
PPSP-3-S-20251008	C17194	0.375	0.0865	3.42	51.4	0.449	20318	0.274	0.531	0.0632	0.122	J	E2504623.d	2025-10-30 10:38	0.835	13.210	24547	542791	63.2	10.738	10.0%
PPSP-2-S-20251008	B19256	0.357	0.0823	3.26	51.4	0.449	20317	0.274	0.531	0.0632	0.122	J	E2504624.d	2025-10-30 11:03	0.835	13.203	23015	534887	63.2	10.739	8.4%
PPSP-1-S-20251008	C43238	0.304	0.0700	2.77	51.4	0.449	20318	0.274	0.531	0.0632	0.122	J	E2504625.d	2025-10-30 11:29	0.835	13.203	19970	545359	63.2	10.739	10.6%
PPSP-1-B-20251008	C43220				51.4	0.449	20318	0.274	0.531	0.0632	0.122	ND	E2504619.d	2025-10-30 08:55	0.835	13.203	947	550468	63.2	10.738	11.6%
PPSP-13-S-20251008	C36869	0.280	0.0644	2.55	51.4	0.449	20318	0.274	0.531	0.0632	0.122	J	E2504626.d	2025-10-30 11:55	0.835	13.210	18374	545439	63.2	10.739	10.6%
PPSP-12-S-20251008	C35769				51.4	0.449	20319	0.274	0.531	0.0632	0.122	ND	E2504627.d	2025-10-30 12:21	0.835	13.202	16798	547793	63.2	10.738	11.1%
PPSP-11-S-20251008	C70885	0.331	0.0763	3.02	51.4	0.449	20318	0.274	0.531	0.0632	0.122	J	E2504628.d	2025-10-30 12:47	0.835	13.202	21223	531843	63.2	10.738	7.8%
PPSP-10-S-20251008	B52729	0.502	0.116	4.58	51.4	0.449	20318	0.274	0.531	0.0632	0.122	J	E2504629.d	2025-10-30 13:12	0.835	13.203	32935	544028	63.2	10.738	10.3%
PPSP-9-S-20251008	B46100	0.391	0.0901	3.57	51.4	0.449	20320	0.274	0.531	0.0632	0.122	J	E2504631.d	2025-10-30 14:03	0.835	13.203	23764	504295	63.2	10.738	2.2%
PPSP-8-S-20251008	C24171	0.354	0.0815	3.22	51.4	0.449	20320	0.274	0.531	0.0632	0.122	J	E2504632.d	2025-10-30 14:29	0.835	13.202	21632	507748	63.2	10.738	2.9%
PPSP-8-D-20251008	C16073	0.364	0.0840	3.32	51.4	0.449	20320	0.274	0.531	0.0632	0.122	J	E2504633.d	2025-10-30 14:54	0.835	13.203	22481	511849	63.2	10.739	3.8%
PPSP-7-S-20251008	C01842	0.389	0.0896	3.55	51.4	0.449	20321	0.274	0.531	0.0632	0.122	J	E2504634.d	2025-10-30 15:20	0.835	13.203	23892	509783	63.2	10.739	3.3%

### o-Xylene

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20251008	C55512				51.4	0.449	20309	0.274	0.554	0.0632	0.128	ND	E2504620.d	2025-10-30 09:21	0.834	13.704	11123	527901	63.2	10.738	7.0%
PPSP-5-S-20251008	B47883				51.4	0.449	20313	0.274	0.554	0.0632	0.128	ND	E2504621.d	2025-10-30 09:46	0.834	13.704	11215	529789	63.2	10.739	7.4%
PPSP-4-S-20251008	C33294				51.4	0.449	20317	0.274	0.554	0.0632	0.128	ND	E2504622.d	2025-10-30 10:12	0.834	13.704	10019	549533	63.2	10.738	11.4%
PPSP-3-S-20251008	C17194				51.4	0.449	20318	0.274	0.554	0.0632	0.128	ND	E2504623.d	2025-10-30 10:38	0.834	13.711	9823	542791	63.2	10.738	10.0%
PPSP-2-S-20251008	B19256				51.4	0.449	20317	0.274	0.554	0.0632	0.128	ND	E2504624.d	2025-10-30 11:03	0.834	13.711	8794	534887	63.2	10.739	8.4%
PPSP-1-S-20251008	C43238				51.4	0.449	20318	0.274	0.554	0.0632	0.128	ND	E2504625.d	2025-10-30 11:29	0.834	13.704	7743	545359	63.2	10.739	10.6%

# Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW402-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

## o-Xylene

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-1-B-20251008	C43220				51.4	0.449	20318	0.274	0.554	0.0632	0.128	ND	E2504619.d	2025-10-30 08:55	0.834	14.162	0	550468	63.2	10.738	11.6%
PPSP-13-S-20251008	C36869				51.4	0.449	20318	0.274	0.554	0.0632	0.128	ND	E2504626.d	2025-10-30 11:55	0.834	13.704	5533	545439	63.2	10.739	10.6%
PPSP-12-S-20251008	C35769				51.4	0.449	20319	0.274	0.554	0.0632	0.128	ND	E2504627.d	2025-10-30 12:21	0.834	13.704	6417	547793	63.2	10.738	11.1%
PPSP-11-S-20251008	C70885				51.4	0.449	20318	0.274	0.554	0.0632	0.128	ND	E2504628.d	2025-10-30 12:47	0.834	13.704	7799	531843	63.2	10.738	7.8%
PPSP-10-S-20251008	B52729				51.4	0.449	20318	0.274	0.554	0.0632	0.128	ND	E2504629.d	2025-10-30 13:12	0.834	13.711	13553	544028	63.2	10.738	10.3%
PPSP-9-S-20251008	B46100				51.4	0.449	20320	0.274	0.554	0.0632	0.128	ND	E2504631.d	2025-10-30 14:03	0.834	13.704	9187	504295	63.2	10.738	2.2%
PPSP-8-S-20251008	C24171				51.4	0.449	20320	0.274	0.554	0.0632	0.128	ND	E2504632.d	2025-10-30 14:29	0.834	13.704	8389	507748	63.2	10.738	2.9%
PPSP-8-D-20251008	C16073				51.4	0.449	20320	0.274	0.554	0.0632	0.128	ND	E2504633.d	2025-10-30 14:54	0.834	13.704	8352	511849	63.2	10.739	3.8%
PPSP-7-S-20251008	C01842				51.4	0.449	20321	0.274	0.554	0.0632	0.128	ND	E2504634.d	2025-10-30 15:20	0.834	13.704	9183	509783	63.2	10.739	3.3%

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit

ND: The analyte was not present above the Method Detection Limit

# QC Data



## Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW402-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

### QC Samples

Field Sample Type	Sample Code	Benzene		Toluene		Ethylbenzene		m-/p-Xylenes		o-Xylene	
Blanks (ug/m <sup>3</sup> )	PPSP-1-B-20251008	ND	Pass	ND	Pass	ND	Pass	ND	Pass	ND	Pass
Duplicates (difference)	PPSP-8-D-20251008	8.4%	Pass	4.2%	Pass	ND	Pass	3.0%	Pass	ND	Pass

## Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW402-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

### Benzene Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5 REC	E2504617.d	B29330	Cal	0.972		0.972	11%	-7.9%		Pass	
2025FW402 Method Blank-1	E2504618.d	B10449	Blank			0.972			12%	Pass	ND
M325B CCV 5 REC	E2504630.d	C40507	Check	0.970		0.972	11%		6.1%	Pass	
M325B CCV 5	E2504635.d	C71570	Check	0.978		0.972	12%		2.6%	Pass	

### Toluene Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5 REC	E2504617.d	B29330	Cal	1.135		1.135	15%	-9.3%		Pass	
2025FW402 Method Blank-1	E2504618.d	B10449	Blank			1.135			13%	Pass	ND
M325B CCV 5 REC	E2504630.d	C40507	Check	1.167		1.135	18%		5.7%	Pass	
M325B CCV 5	E2504635.d	C71570	Check	1.163		1.135	18%		3.3%	Pass	

### Ethylbenzene Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5 REC	E2504617.d	B29330	Cal	1.114		1.114	-6.8%	-9.3%		Pass	
2025FW402 Method Blank-1	E2504618.d	B10449	Blank			1.114			13%	Pass	ND
M325B CCV 5 REC	E2504630.d	C40507	Check	1.218		1.114	1.9%		5.7%	Pass	
M325B CCV 5	E2504635.d	C71570	Check	1.136		1.114	-4.9%		3.3%	Pass	

### m-/p-Xylenes Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5 REC	E2504617.d	B29330	Cal	0.835		0.835	-20%	-9.3%		Pass	
2025FW402 Method Blank-1	E2504618.d	B10449	Blank			0.835			13%	Pass	ND
M325B CCV 5 REC	E2504630.d	C40507	Check	0.894		0.835	-14%		5.7%	Pass	
M325B CCV 5	E2504635.d	C71570	Check	0.853		0.835	-18%		3.3%	Pass	

### o-Xylene Calibration and Blanks

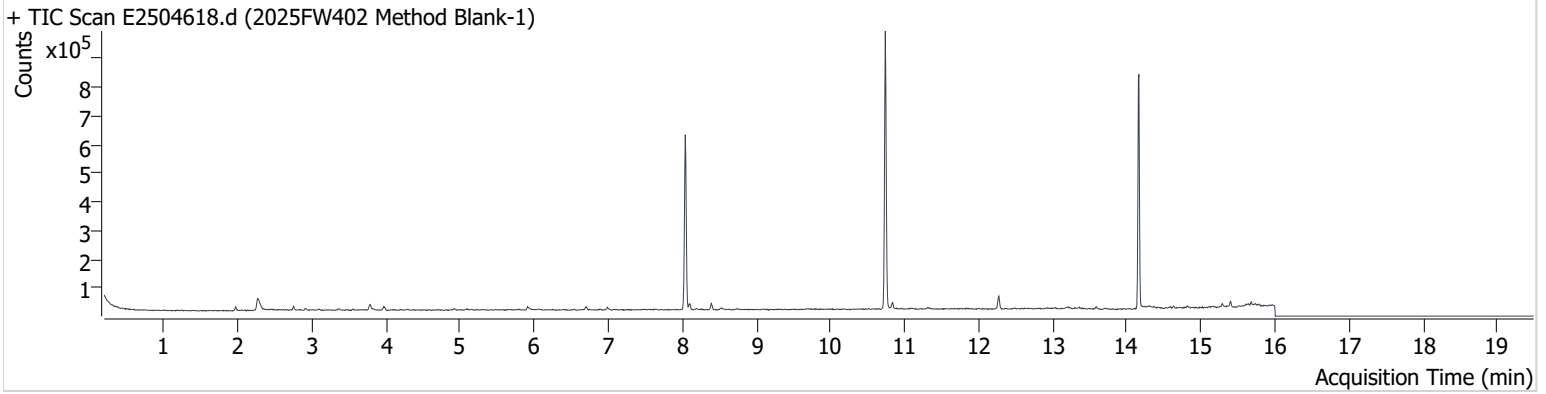
Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5 REC	E2504617.d	B29330	Cal	0.834		0.834	-12%	-9.3%		Pass	
2025FW402 Method Blank-1	E2504618.d	B10449	Blank			0.834			13%	Pass	ND
M325B CCV 5 REC	E2504630.d	C40507	Check	0.916		0.834	-3.6%		5.7%	Pass	
M325B CCV 5	E2504635.d	C71570	Check	0.863		0.834	-9.2%		3.3%	Pass	

# Chromatograms



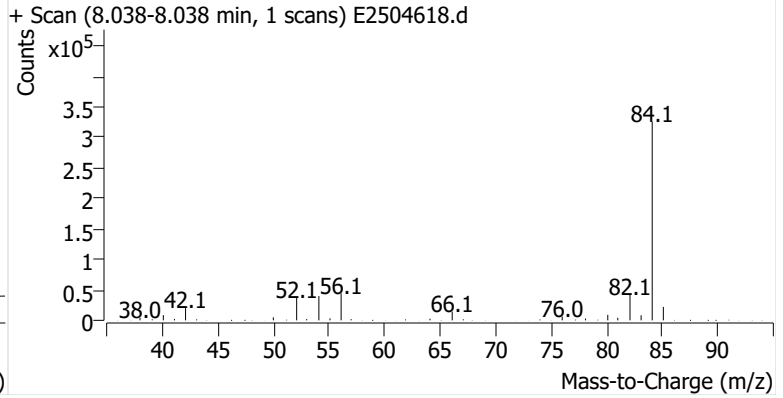
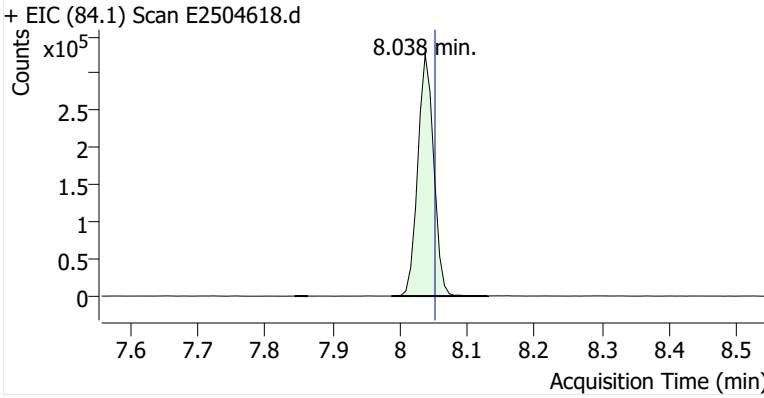
**Name** 2025FW402 Method Blank-1  
**Comment** B10449  
**Data File** E2504618.d  
**Acq. Date-Time** 10/30/2025 8:29:50 AM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** CarbopackX  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

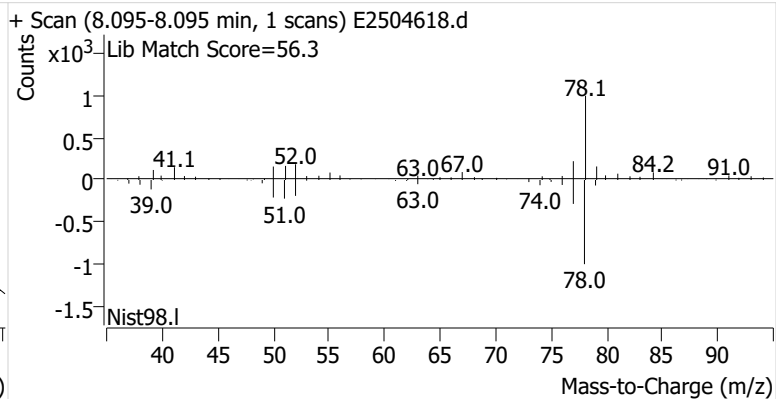
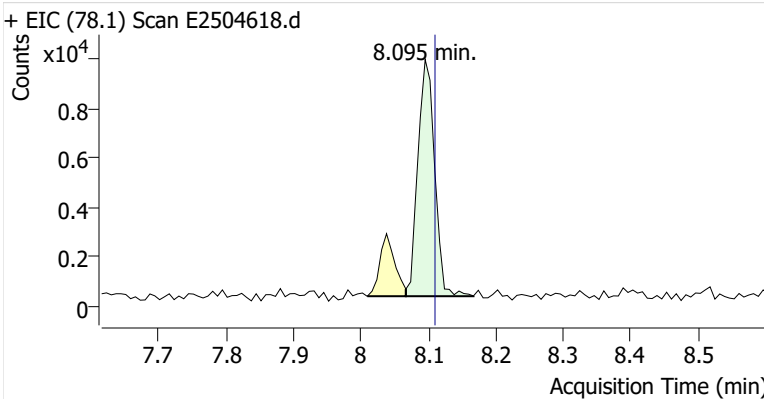


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.038	8.052	535,328	
Benzene	benzene-d6 (IS)	8.095	8.110	16,593	
Toluene-d8 (IS)		10.738	10.753	557,664	
Toluene	Toluene-d8 (IS)	10.831	10.846	14,156	
Ethylbenzene	Toluene-d8 (IS)	13.030	13.038	2,327	
m-/p-Xylenes	Toluene-d8 (IS)	13.202	13.217	3,036	
o-Xylene	Toluene-d8 (IS)	13.711	13.718	1,260	

**benzene-d6 (IS)**

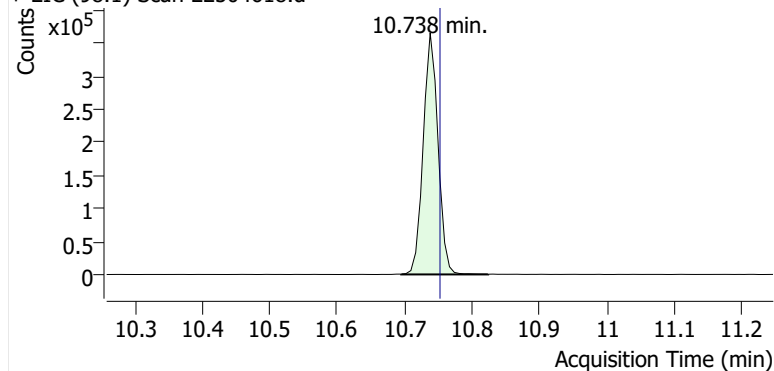


**Benzene**

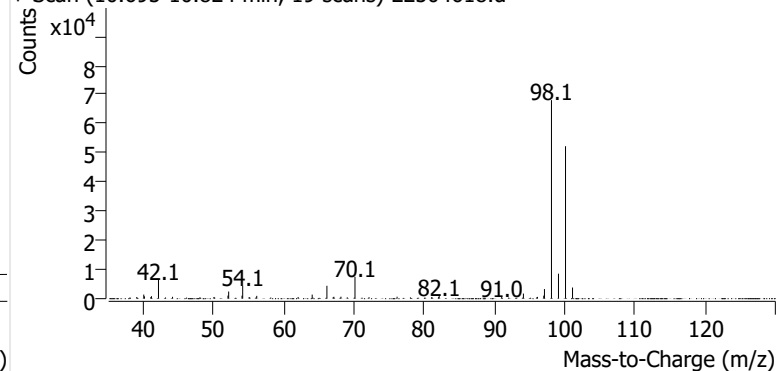


**Toluene-d8 (IS)**

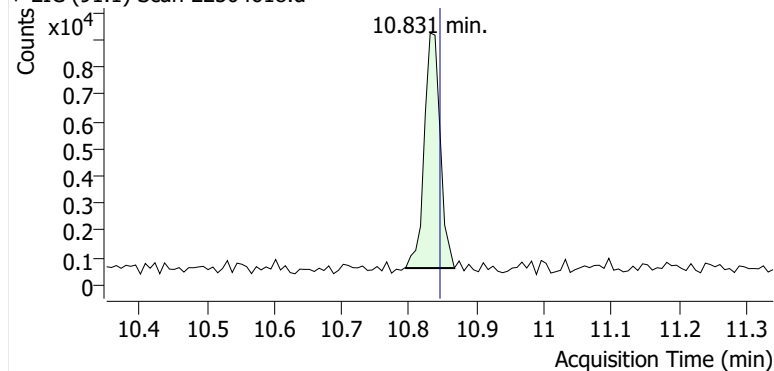
+ EIC (98.1) Scan E2504618.d



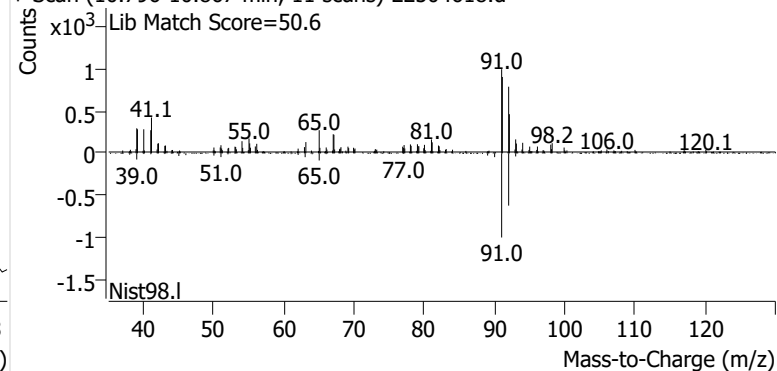
+ Scan (10.695-10.824 min, 19 scans) E2504618.d

**Toluene**

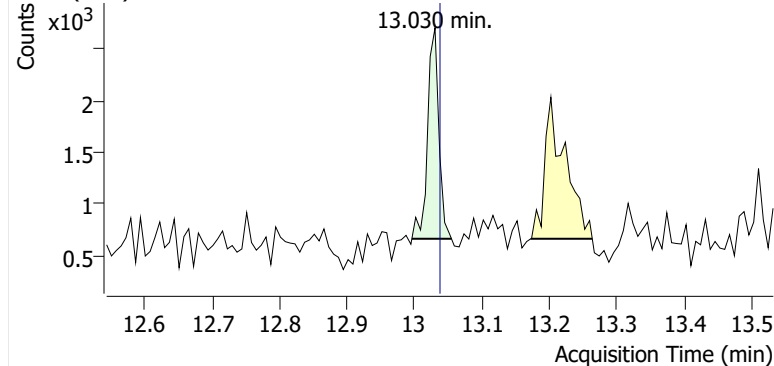
+ EIC (91.1) Scan E2504618.d



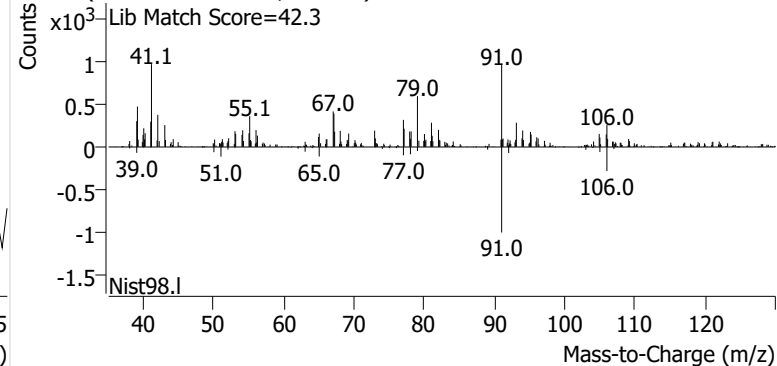
+ Scan (10.796-10.867 min, 11 scans) E2504618.d

**Ethylbenzene**

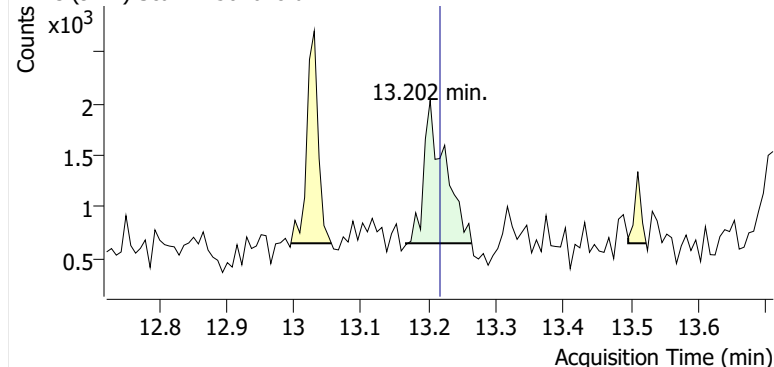
+ EIC (91.1) Scan E2504618.d



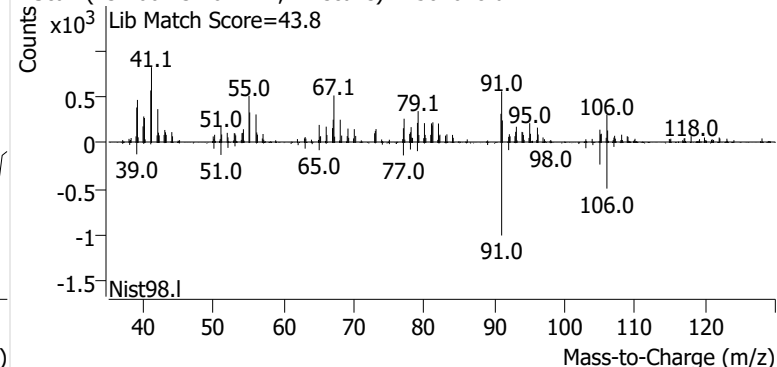
+ Scan (12.996-13.055 min, 8 scans) E2504618.d

**m-/p-Xylenes**

+ EIC (91.1) Scan E2504618.d

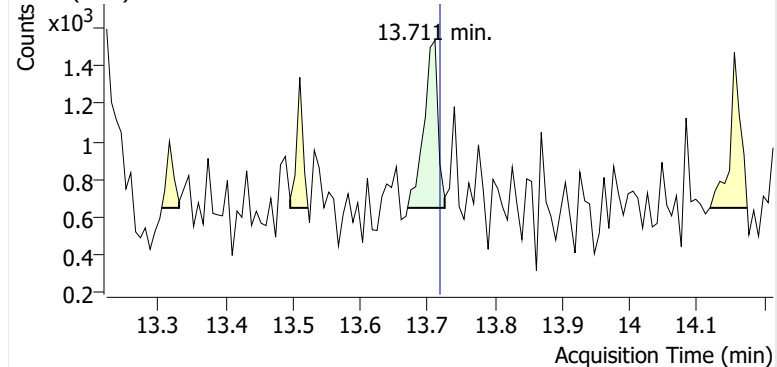


+ Scan (13.166-13.264 min, 14 scans) E2504618.d

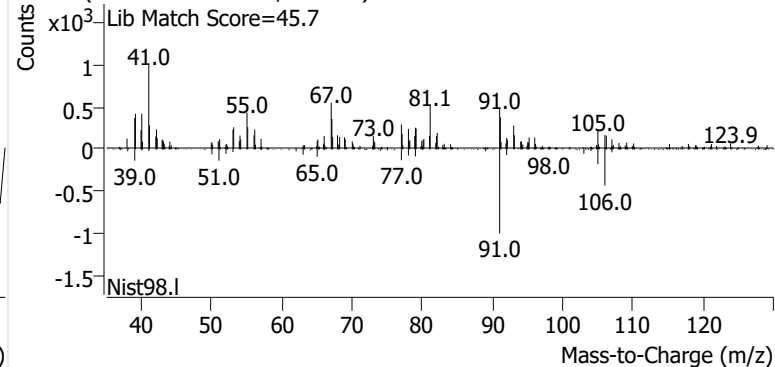


**o-Xylene**

+ EIC (91.1) Scan E2504618.d

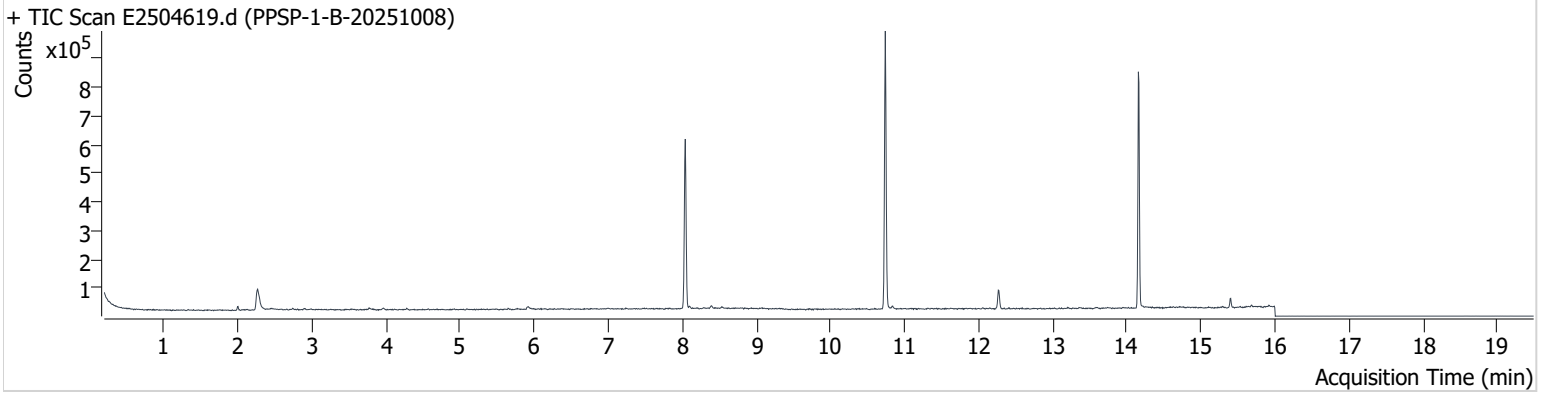


+ Scan (13.670-13.725 min, 8 scans) E2504618.d



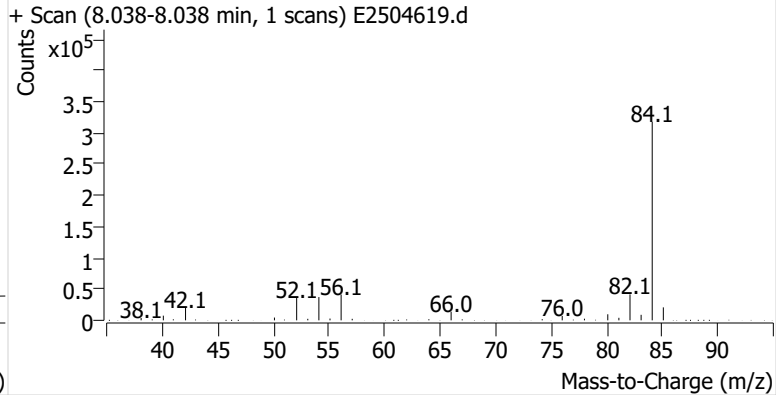
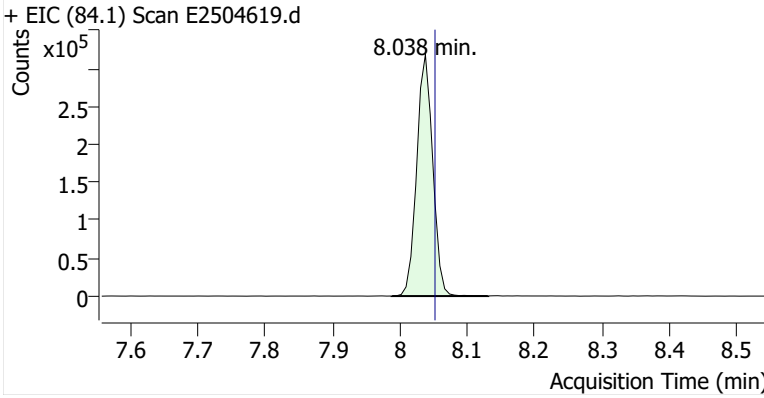
**Name** PPSP-1-B-20251008  
**Comment** C43220  
**Data File** E2504619.d  
**Acq. Date-Time** 10/30/2025 8:55:25 AM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** CarbopackX  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

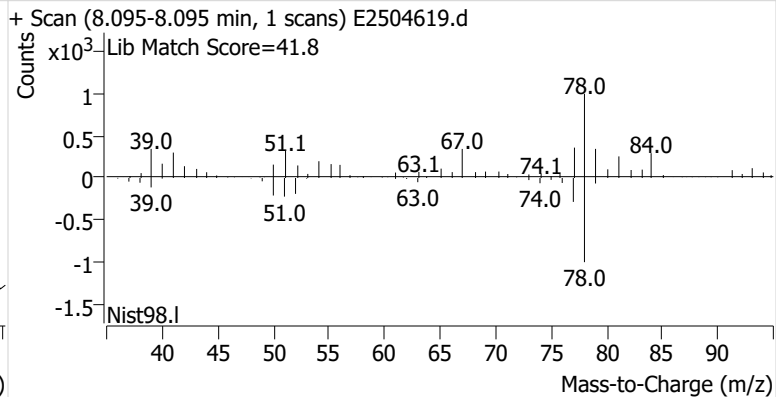
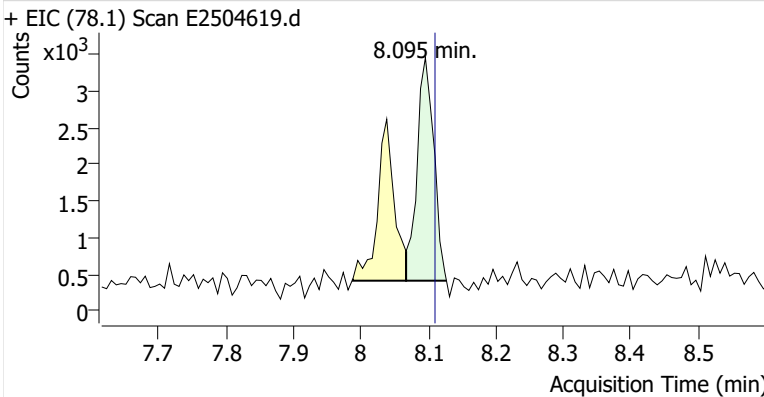


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.038	8.052	525,350	
Benzene	benzene-d6 (IS)	8.095	8.110	5,261	
Toluene-d8 (IS)		10.738	10.753	550,468	
Toluene	Toluene-d8 (IS)	10.839	10.846	6,101	
Ethylbenzene	Toluene-d8 (IS)	13.203	13.038	ND	m
m-/p-Xylenes	Toluene-d8 (IS)	13.203	13.217	947	
o-Xylene	Toluene-d8 (IS)	14.162	13.718	ND	m

**benzene-d6 (IS)**

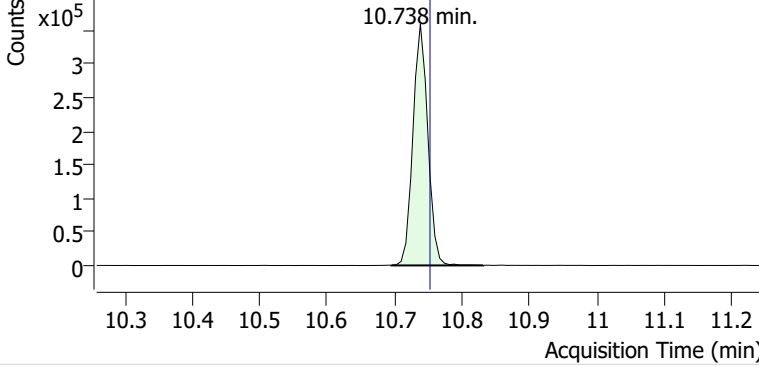


**Benzene**

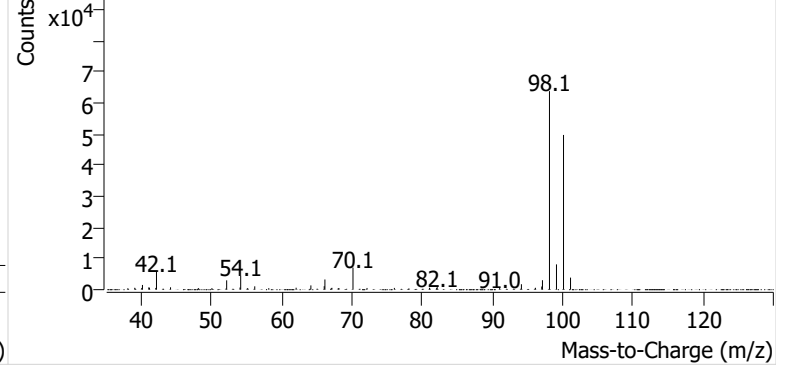


**Toluene-d8 (IS)**

+ EIC (98.1) Scan E2504619.d

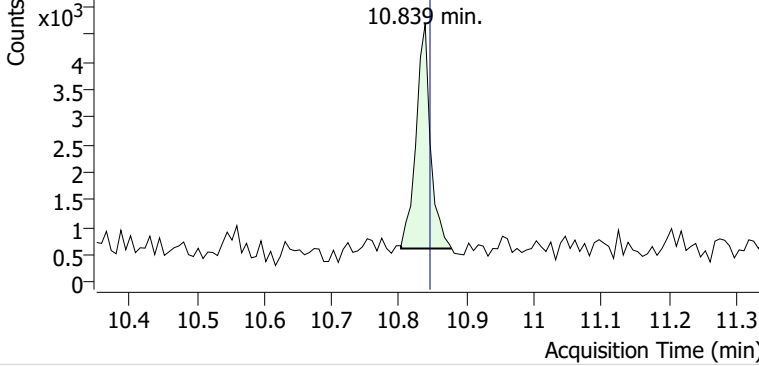


+ Scan (10.696-10.832 min, 20 scans) E2504619.d

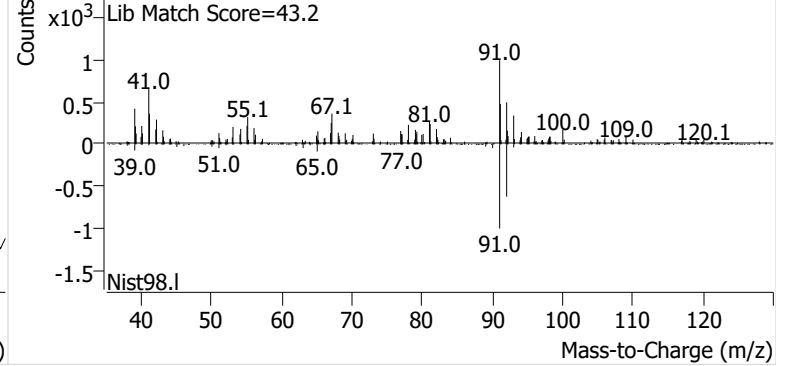


**Toluene**

+ EIC (91.1) Scan E2504619.d

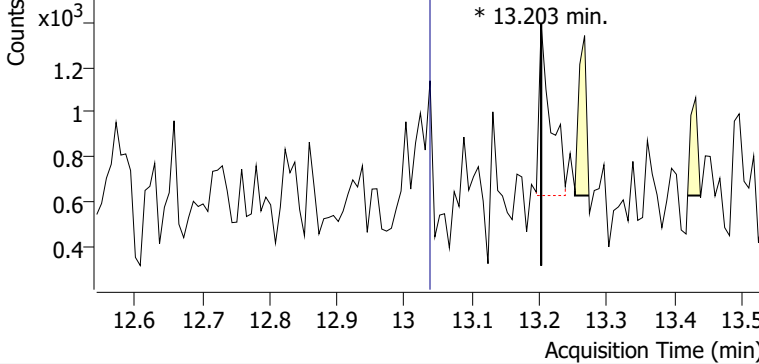


+ Scan (10.803-10.878 min, 11 scans) E2504619.d

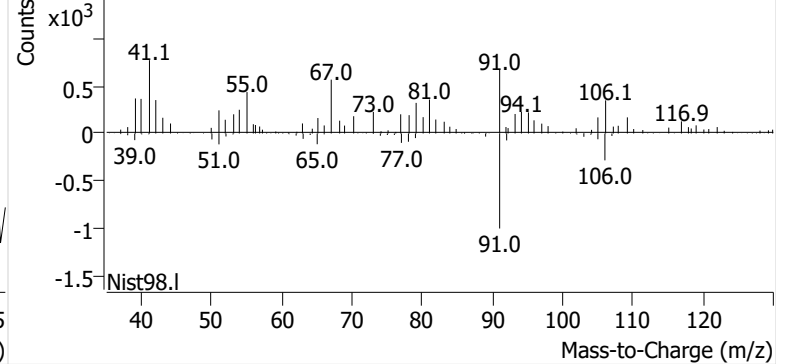


**Ethylbenzene**

+ EIC (91.1) Scan E2504619.d

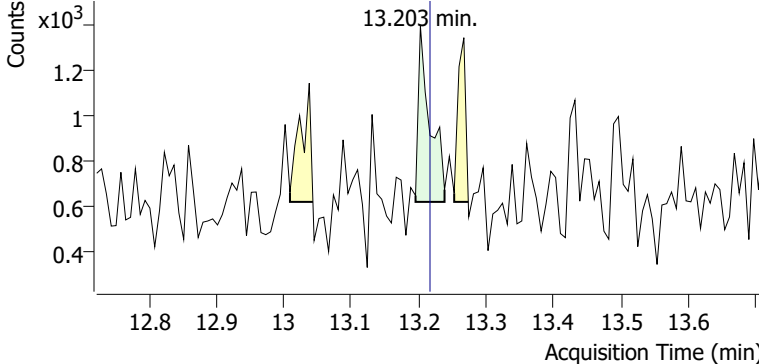


+ Scan (13.203-13.203 min, 1 scans) E2504619.d

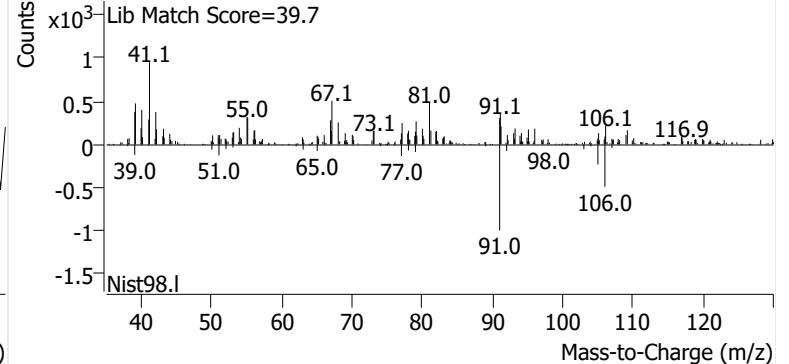


**m-/p-Xylenes**

+ EIC (91.1) Scan E2504619.d

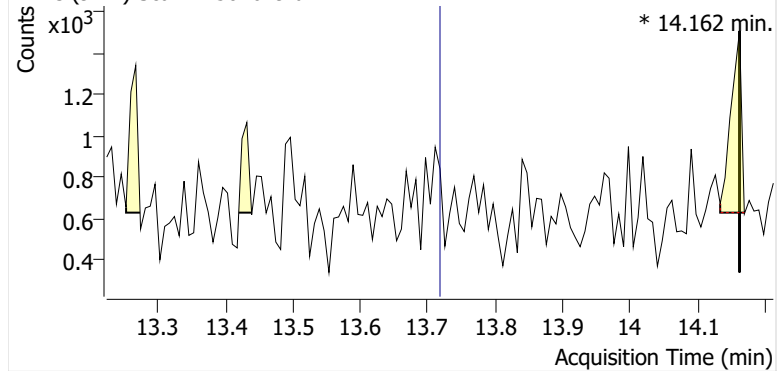


+ Scan (13.195-13.238 min, 7 scans) E2504619.d

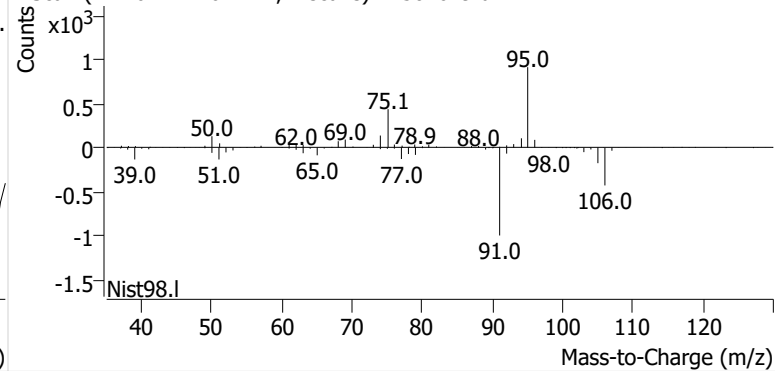


**o-Xylene**

+ EIC (91.1) Scan E2504619.d

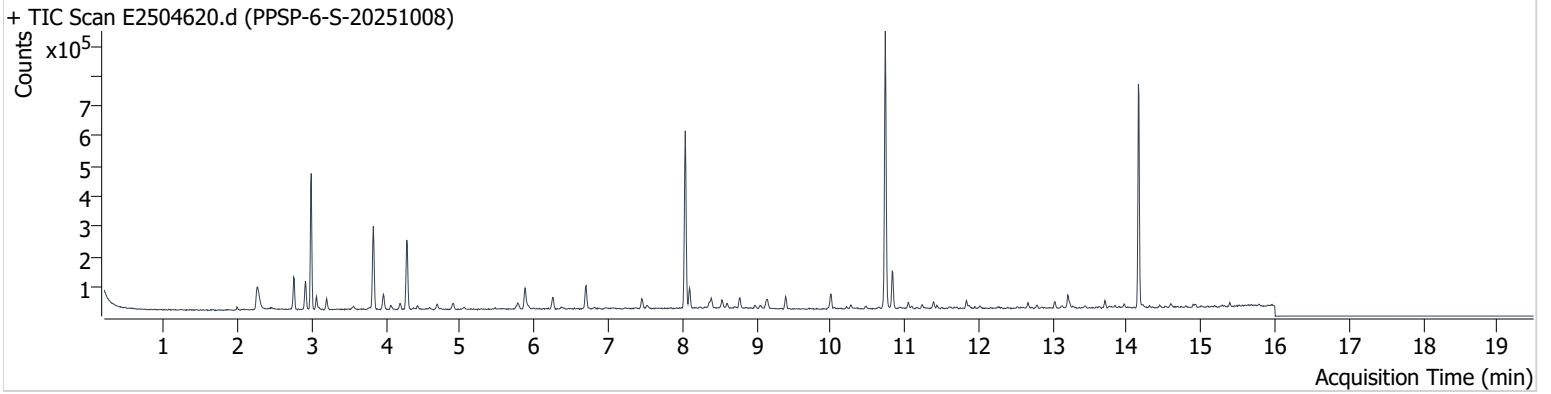


+ Scan (14.162-14.162 min, 1 scans) E2504619.d



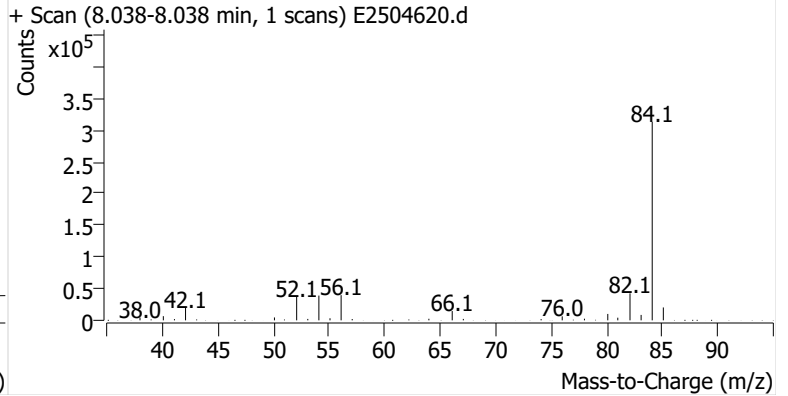
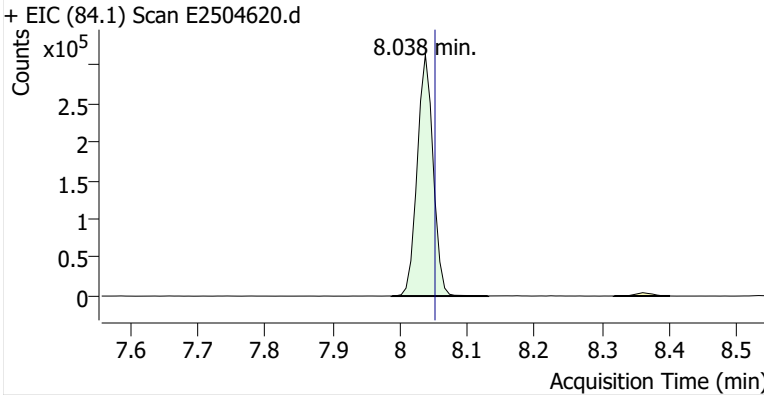
**Name** PPSP-6-S-20251008  
**Comment** C55512  
**Data File** E2504620.d  
**Acq. Date-Time** 10/30/2025 9:21:09 AM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** CarbopackX  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

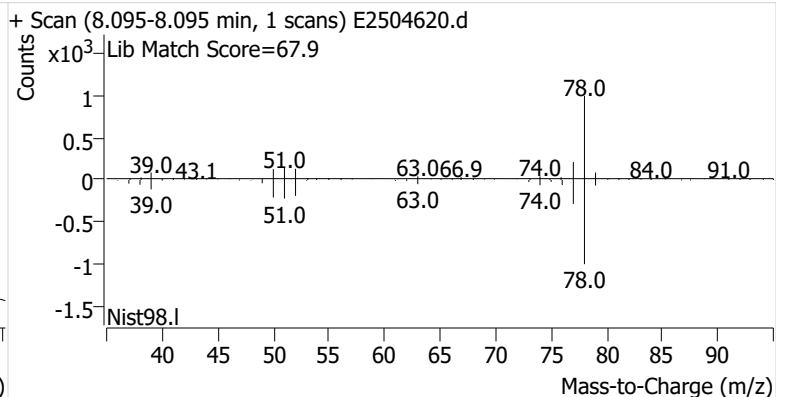
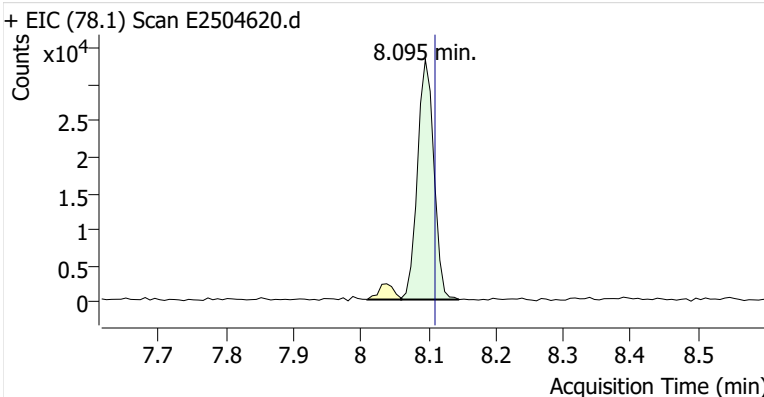


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.038	8.052	513,284	
Benzene	benzene-d6 (IS)	8.095	8.110	55,831	
Toluene-d8 (IS)		10.738	10.753	527,901	
Toluene	Toluene-d8 (IS)	10.832	10.846	75,452	
Ethylbenzene	Toluene-d8 (IS)	13.023	13.038	13,282	
m-/p-Xylenes	Toluene-d8 (IS)	13.203	13.217	29,124	
o-Xylene	Toluene-d8 (IS)	13.704	13.718	11,123	

**benzene-d6 (IS)**

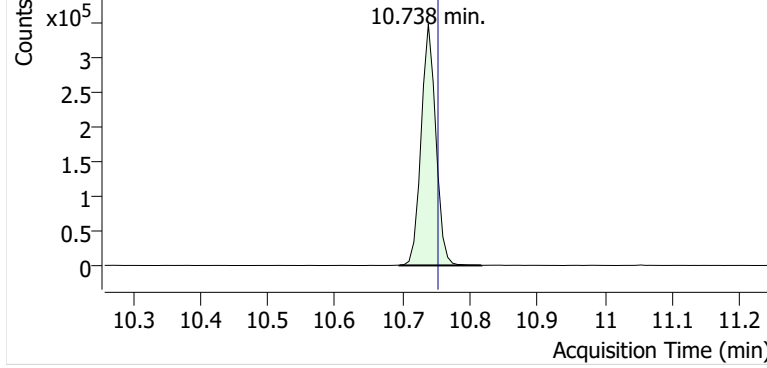


**Benzene**

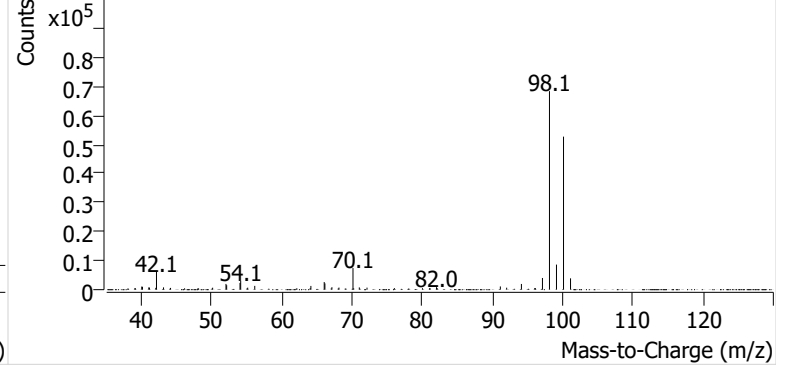


**Toluene-d8 (IS)**

+ EIC (98.1) Scan E2504620.d

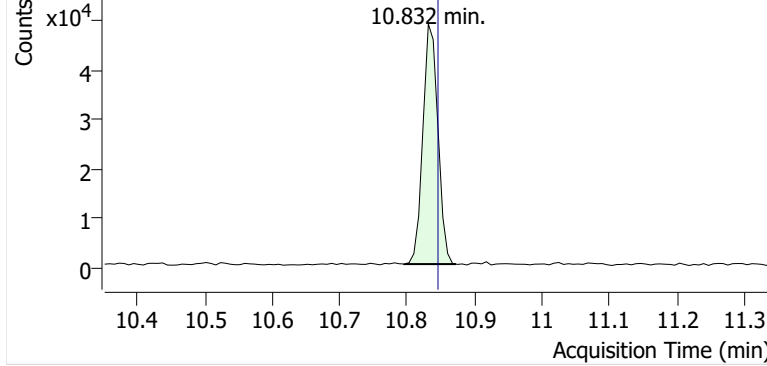


+ Scan (10.695-10.817 min, 18 scans) E2504620.d

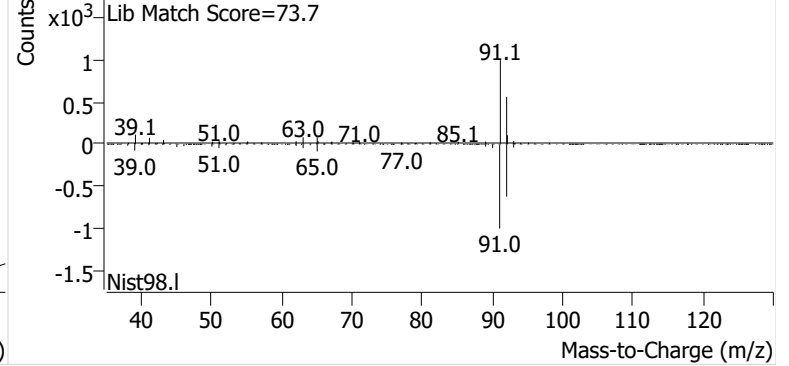


**Toluene**

+ EIC (91.1) Scan E2504620.d

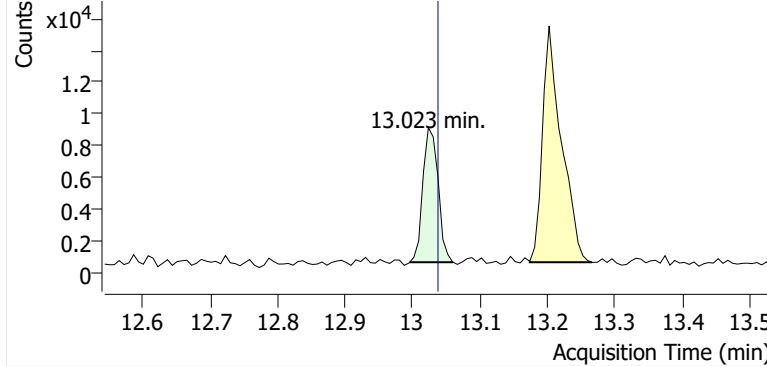


+ Scan (10.796-10.873 min, 11 scans) E2504620.d

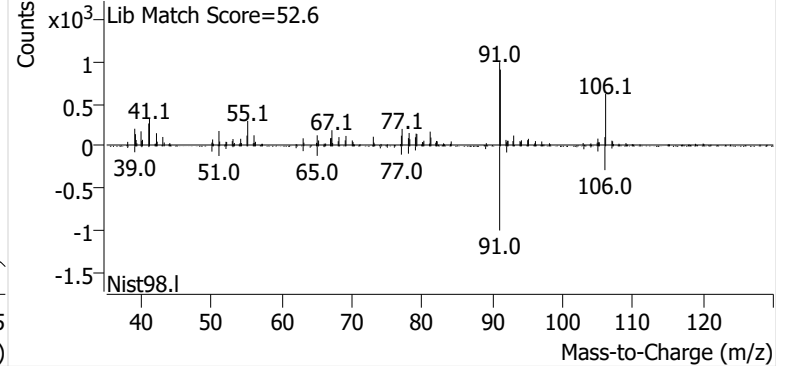


**Ethylbenzene**

+ EIC (91.1) Scan E2504620.d

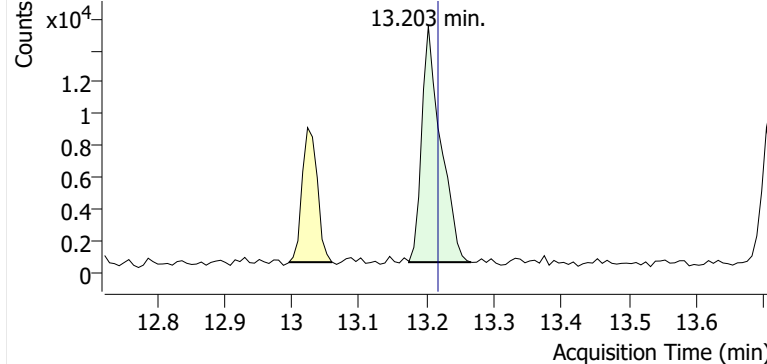


+ Scan (12.996-13.060 min, 9 scans) E2504620.d

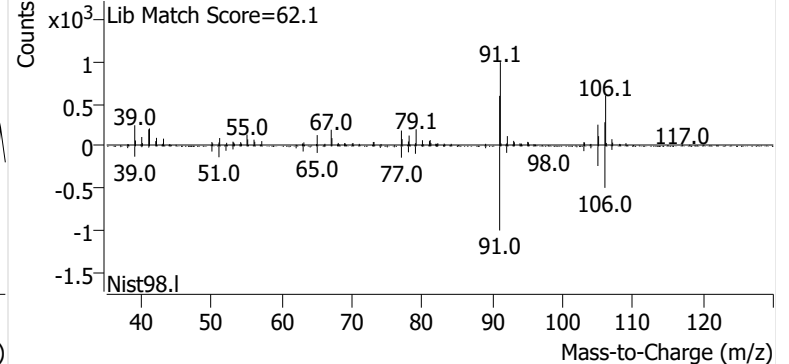


**m-/p-Xylenes**

+ EIC (91.1) Scan E2504620.d

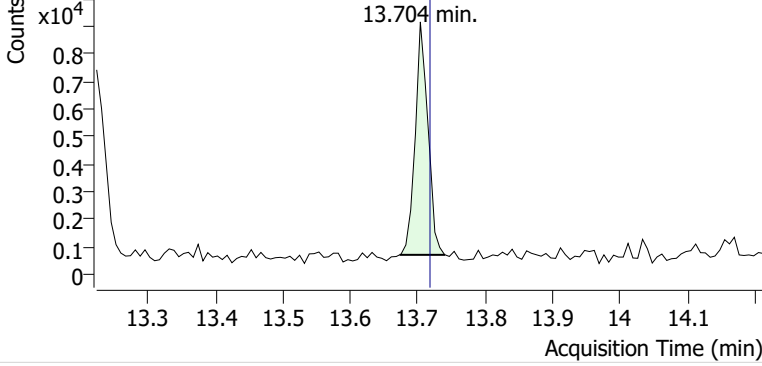


+ Scan (13.174-13.266 min, 13 scans) E2504620.d

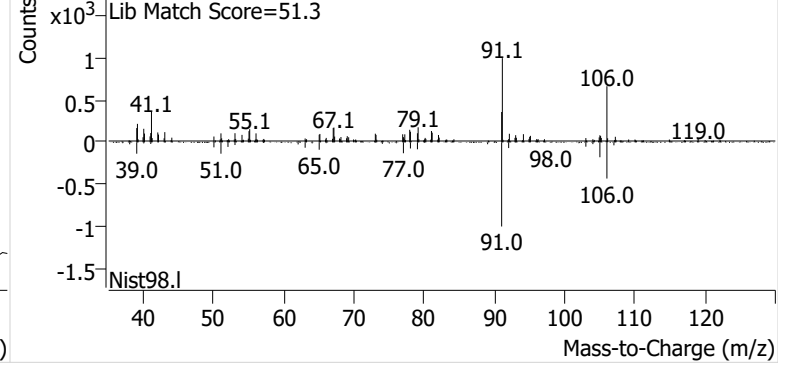


**o-Xylene**

+ EIC (91.1) Scan E2504620.d

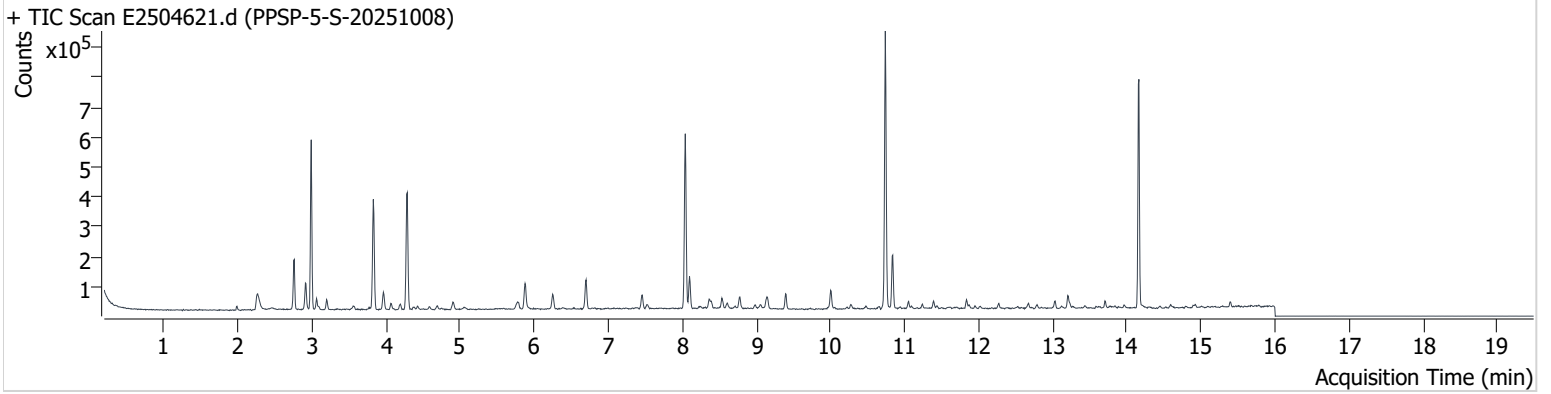


+ Scan (13.673-13.741 min, 10 scans) E2504620.d



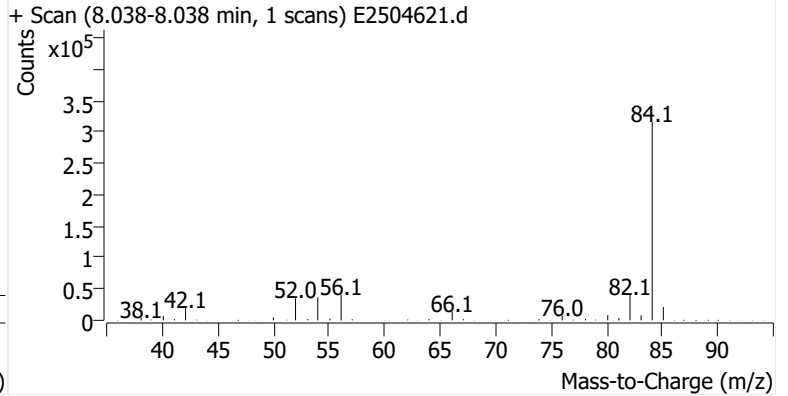
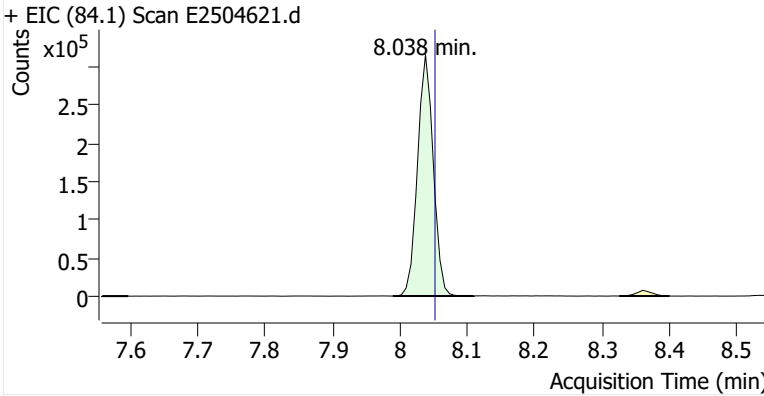
**Name** PPSP-5-S-20251008  
**Comment** B47883  
**Data File** E2504621.d  
**Acq. Date-Time** 10/30/2025 9:46:53 AM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** CarbopackX  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

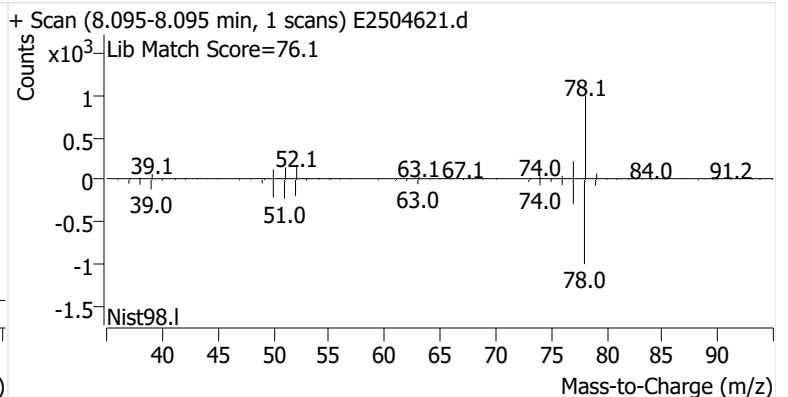
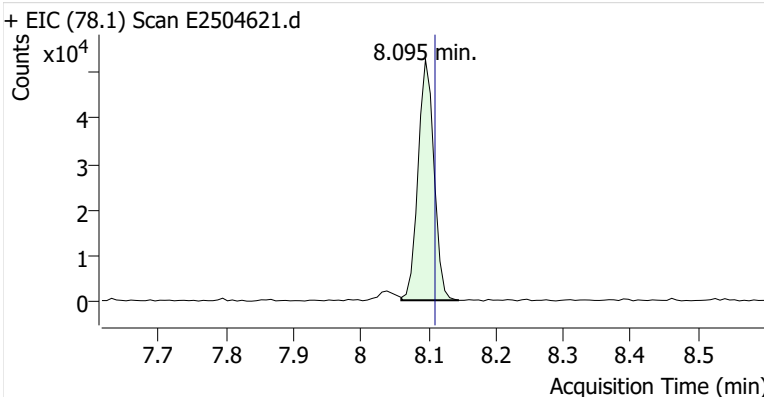


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.038	8.052	513,567	
Benzene	benzene-d6 (IS)	8.095	8.110	85,672	
Toluene-d8 (IS)		10.739	10.753	529,789	
Toluene	Toluene-d8 (IS)	10.832	10.846	110,946	
Ethylbenzene	Toluene-d8 (IS)	13.031	13.038	14,432	
m-/p-Xylenes	Toluene-d8 (IS)	13.203	13.217	29,153	
o-Xylene	Toluene-d8 (IS)	13.704	13.718	11,215	

**benzene-d6 (IS)**

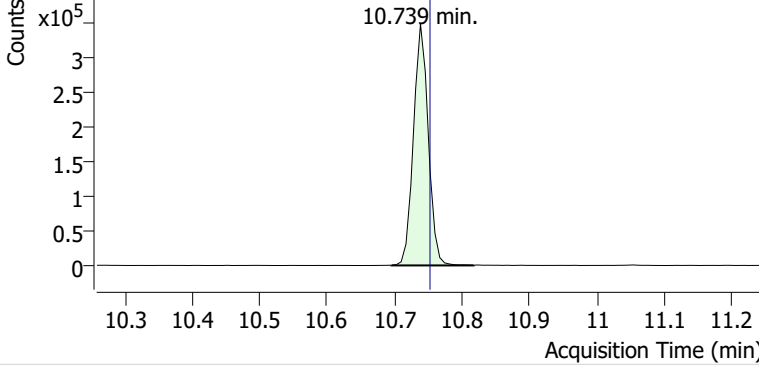


**Benzene**

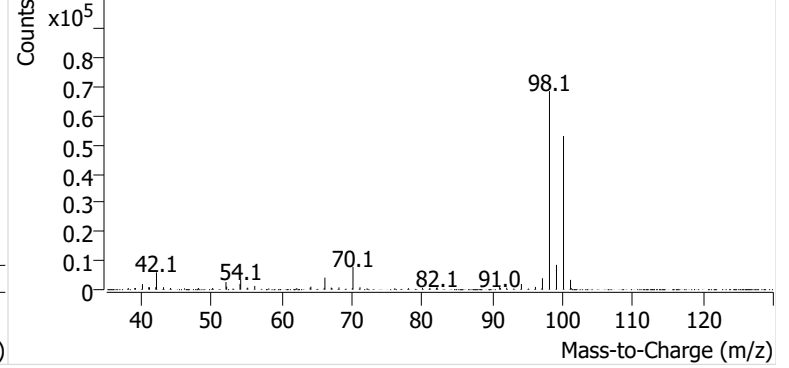


**Toluene-d8 (IS)**

+ EIC (98.1) Scan E2504621.d

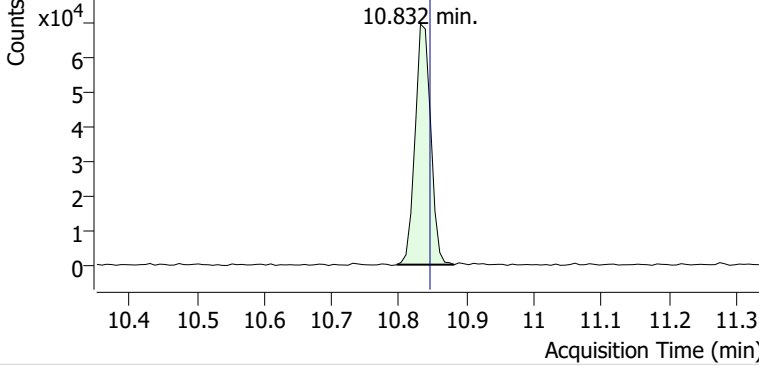


+ Scan (10.696-10.817 min, 18 scans) E2504621.d

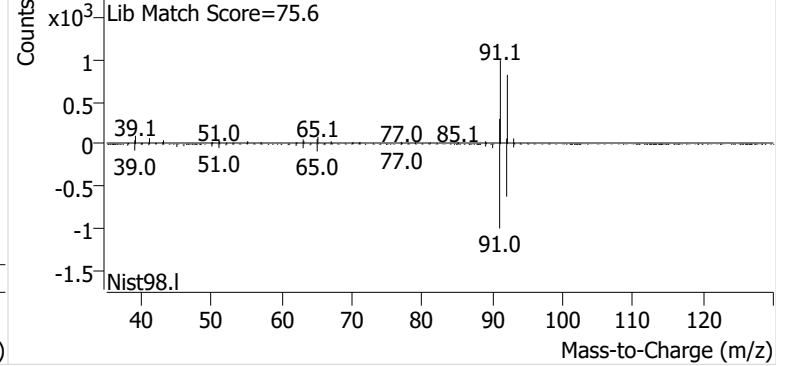


**Toluene**

+ EIC (91.1) Scan E2504621.d

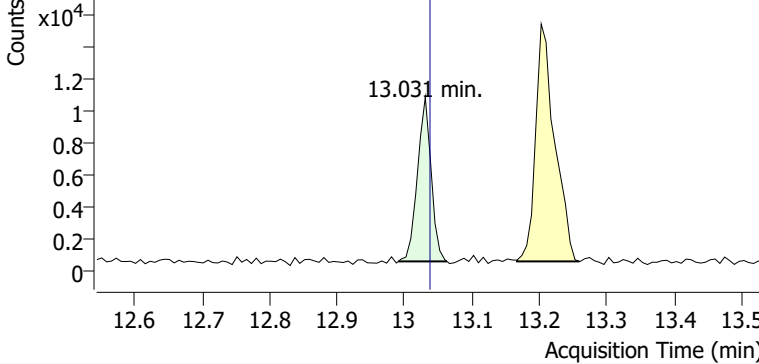


+ Scan (10.796-10.882 min, 11 scans) E2504621.d

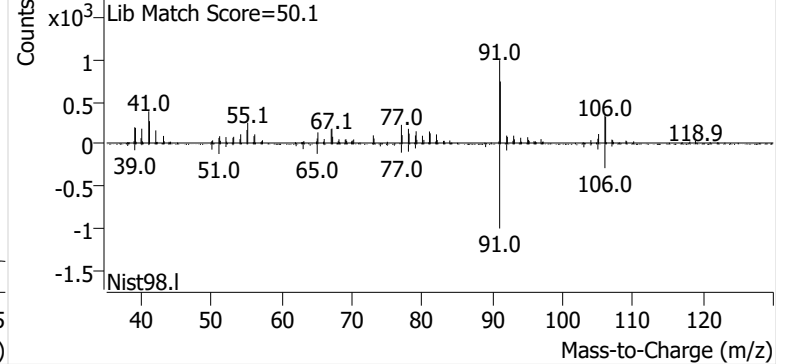


**Ethylbenzene**

+ EIC (91.1) Scan E2504621.d

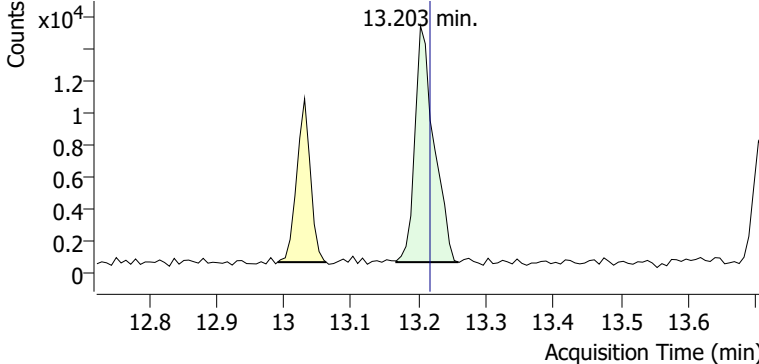


+ Scan (12.991-13.063 min, 10 scans) E2504621.d

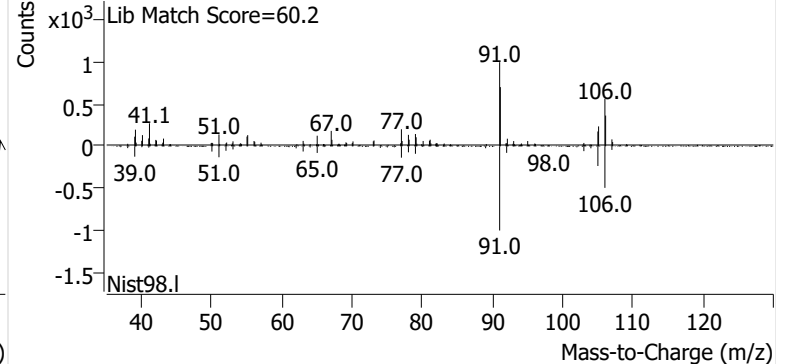


**m-/p-Xylenes**

+ EIC (91.1) Scan E2504621.d

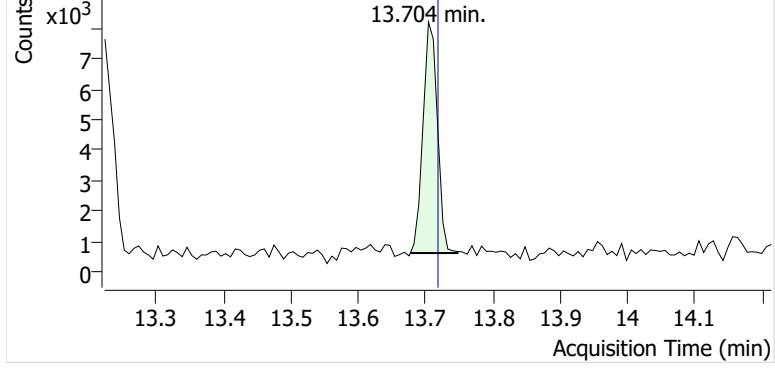


+ Scan (13.167-13.259 min, 13 scans) E2504621.d

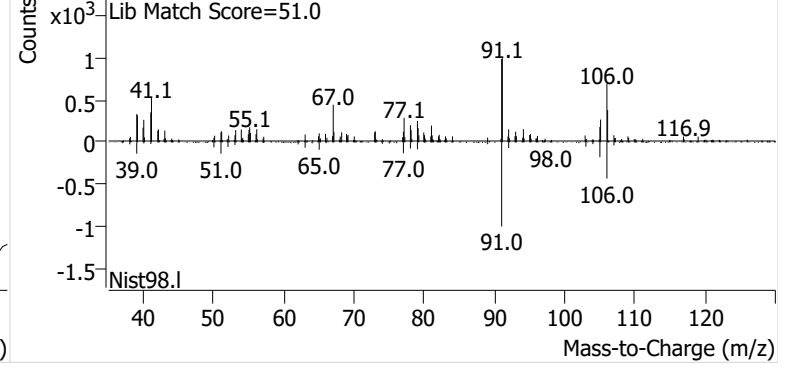


**o-Xylene**

+ EIC (91.1) Scan E2504621.d

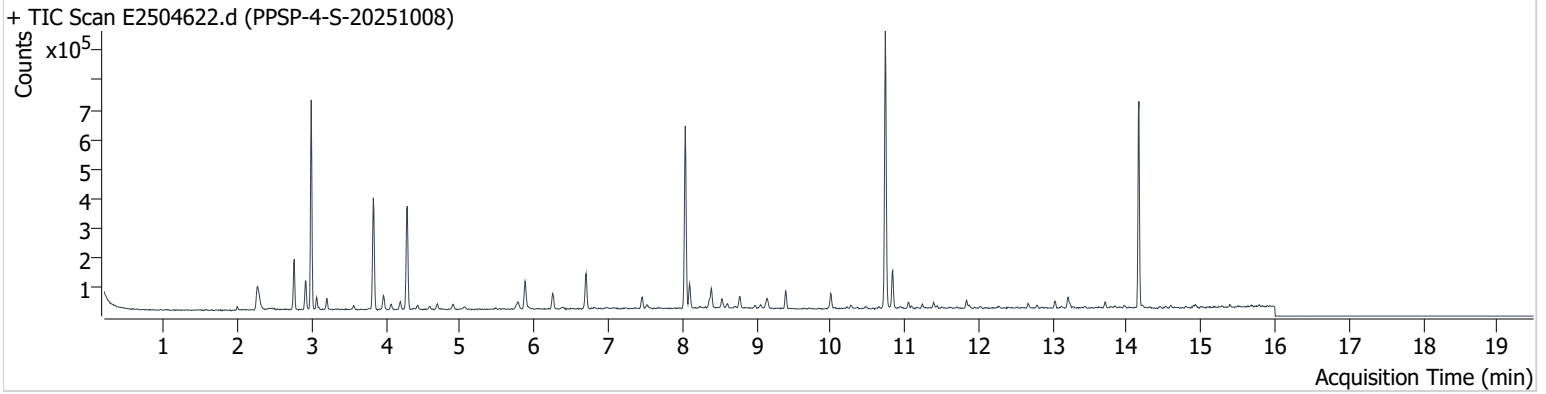


+ Scan (13.677-13.747 min, 10 scans) E2504621.d



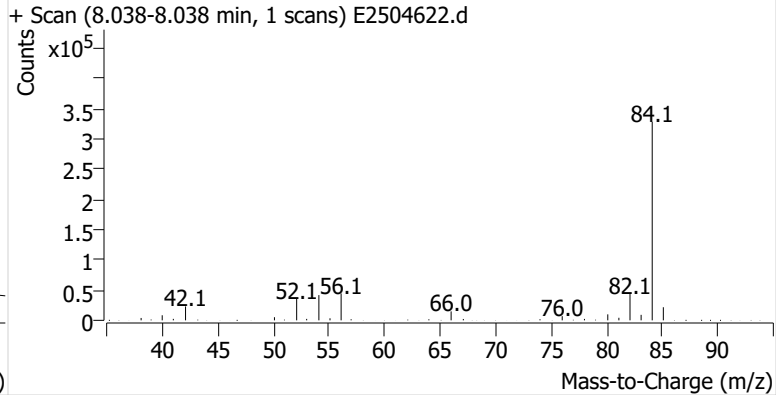
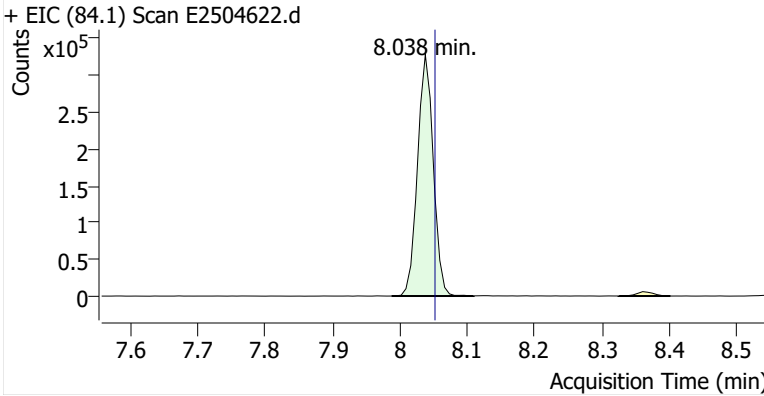
**Name** PPSP-4-S-20251008  
**Comment** C33294  
**Data File** E2504622.d  
**Acq. Date-Time** 10/30/2025 10:12:28 AM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** CarbopackX  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

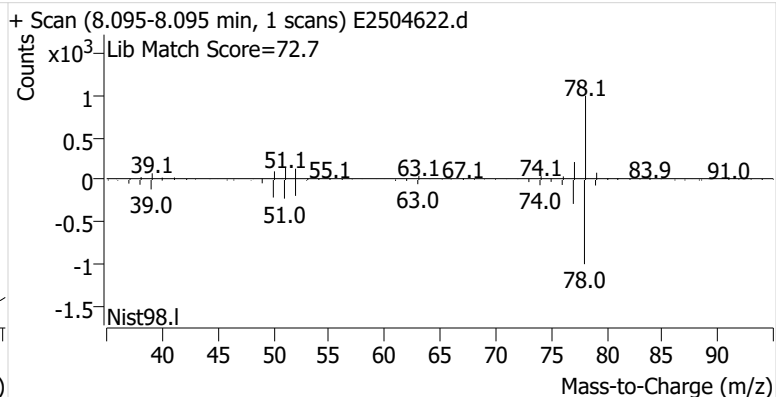
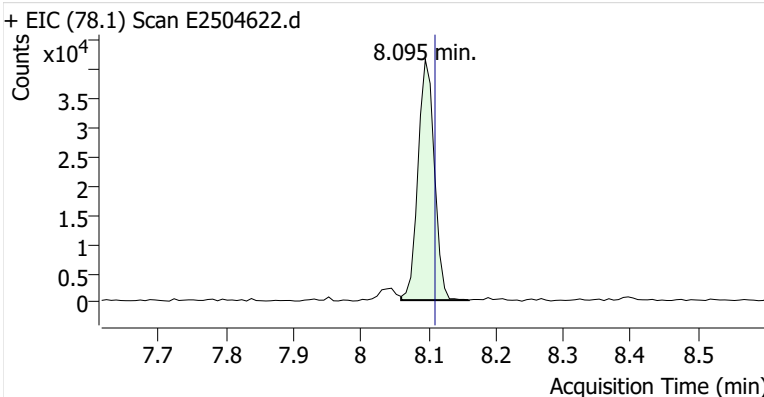


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.038	8.052	534,171	
Benzene	benzene-d6 (IS)	8.095	8.110	69,743	
Toluene-d8 (IS)		10.738	10.753	549,533	
Toluene	Toluene-d8 (IS)	10.839	10.846	78,665	
Ethylbenzene	Toluene-d8 (IS)	13.031	13.038	14,378	
m-/p-Xylenes	Toluene-d8 (IS)	13.210	13.217	27,409	
o-Xylene	Toluene-d8 (IS)	13.704	13.718	10,019	

**benzene-d6 (IS)**

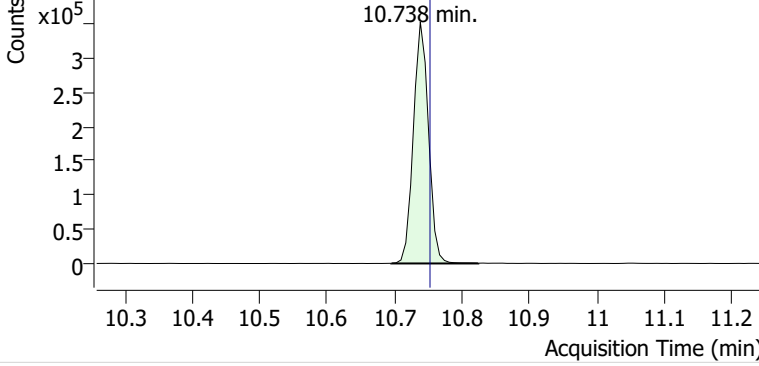


**Benzene**

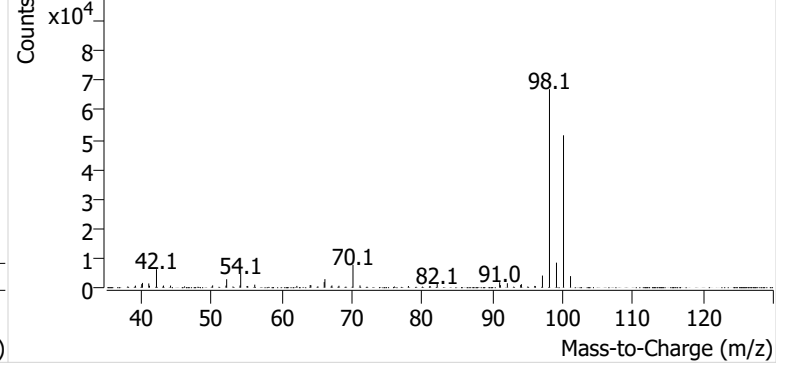


**Toluene-d8 (IS)**

+ EIC (98.1) Scan E2504622.d

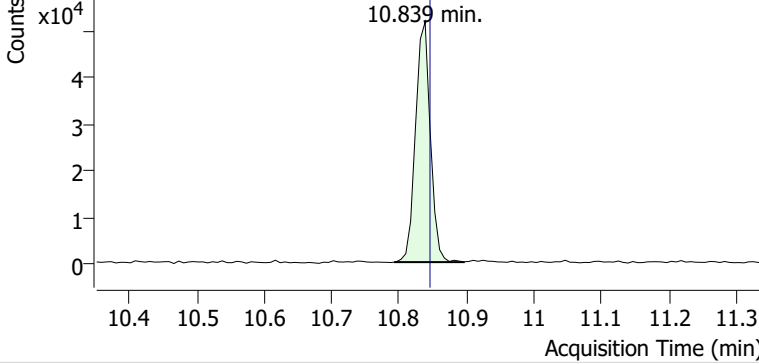


+ Scan (10.695-10.824 min, 19 scans) E2504622.d

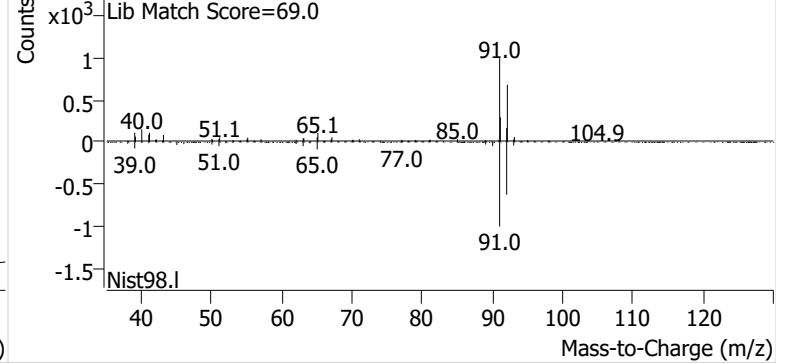


**Toluene**

+ EIC (91.1) Scan E2504622.d

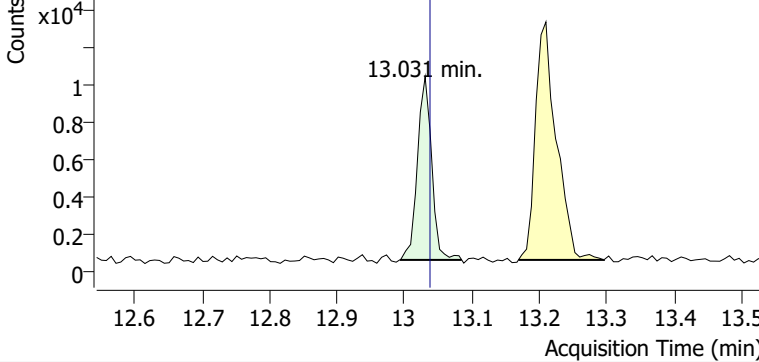


+ Scan (10.793-10.896 min, 15 scans) E2504622.d

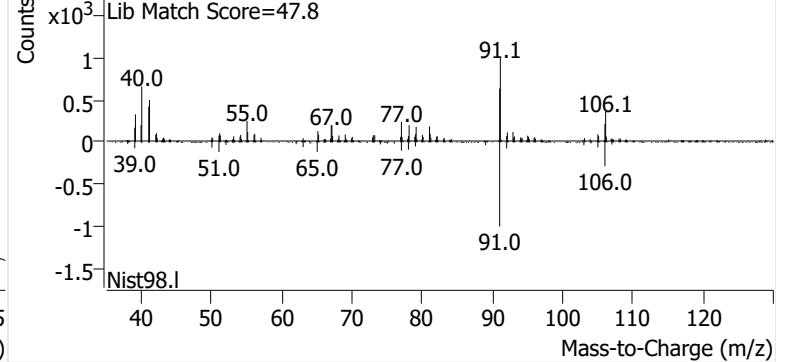


**Ethylbenzene**

+ EIC (91.1) Scan E2504622.d

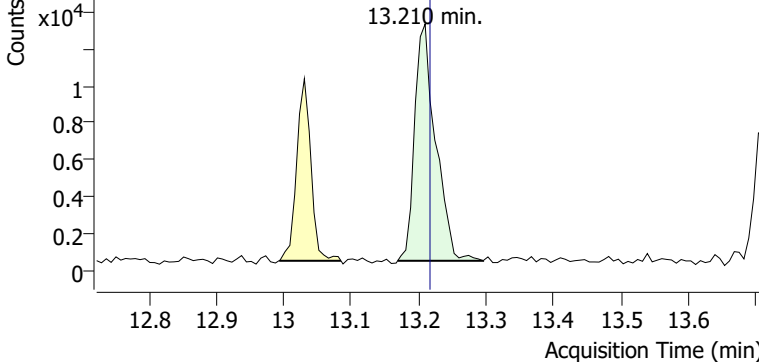


+ Scan (12.995-13.085 min, 13 scans) E2504622.d

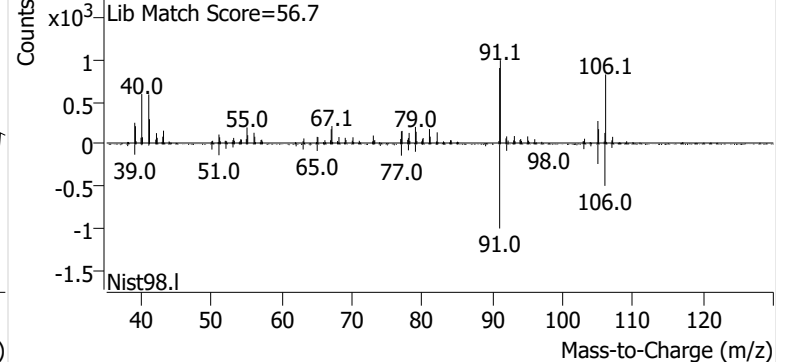


**m-/p-Xylenes**

+ EIC (91.1) Scan E2504622.d

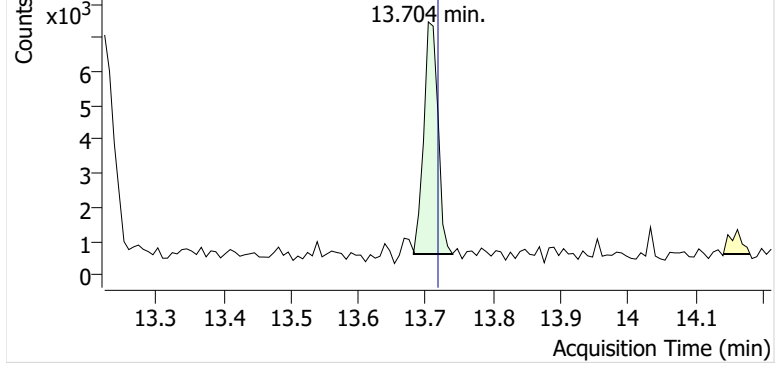


+ Scan (13.169-13.296 min, 18 scans) E2504622.d

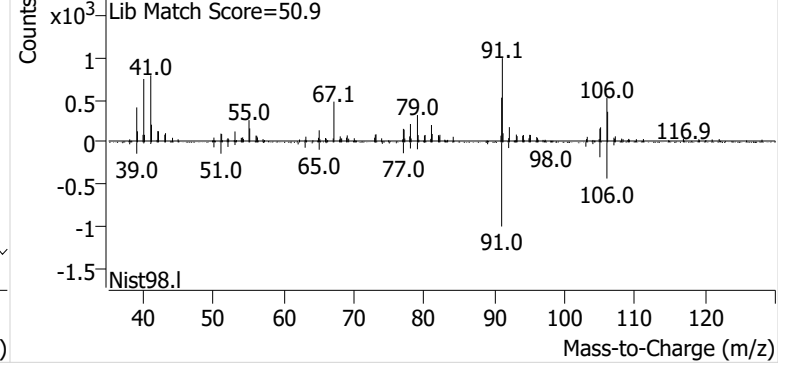


**o-Xylene**

+ EIC (91.1) Scan E2504622.d

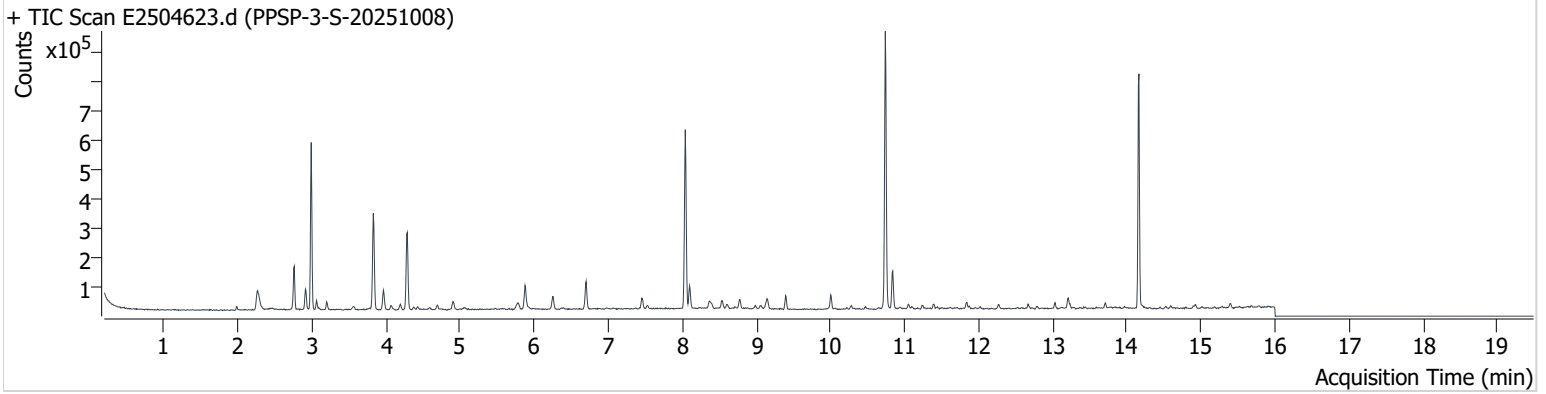


+ Scan (13.682-13.740 min, 9 scans) E2504622.d



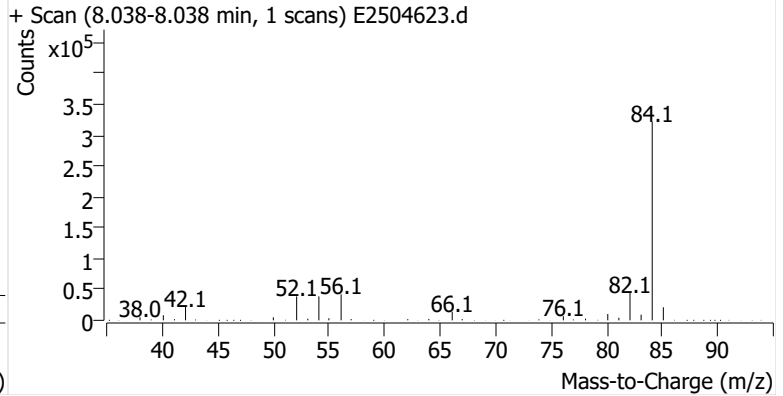
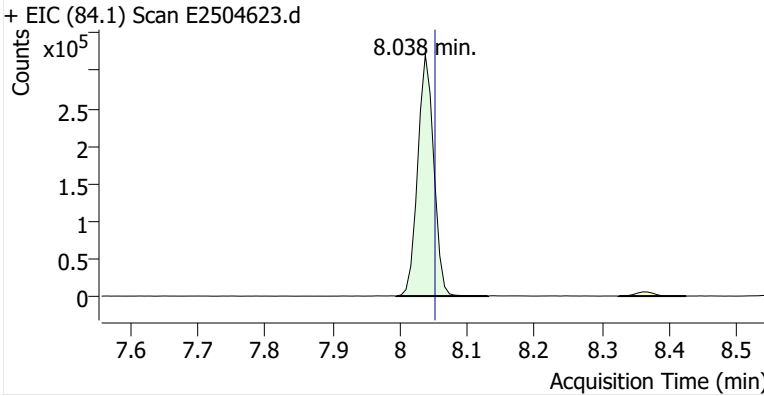
**Name** PPSP-3-S-20251008  
**Comment** C17194  
**Data File** E2504623.d  
**Acq. Date-Time** 10/30/2025 10:38:03 AM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** CarbopackX  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

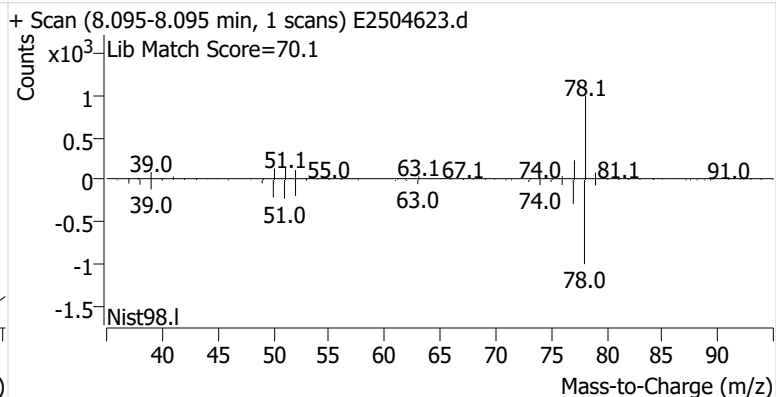
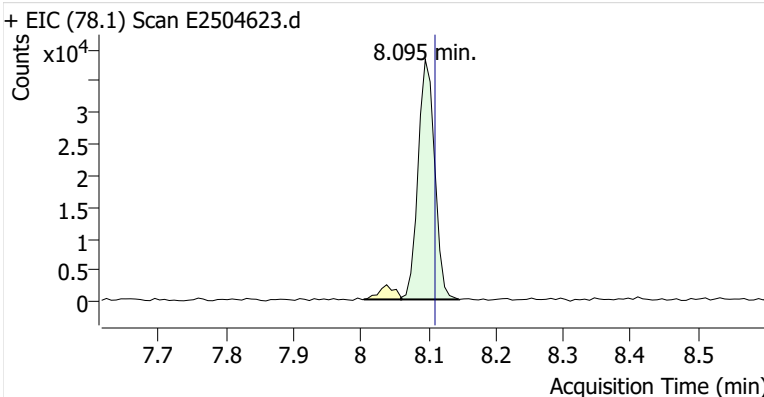


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.038	8.052	530,810	
Benzene	benzene-d6 (IS)	8.095	8.110	64,896	
Toluene-d8 (IS)		10.738	10.753	542,791	
Toluene	Toluene-d8 (IS)	10.839	10.846	79,509	
Ethylbenzene	Toluene-d8 (IS)	13.031	13.038	11,267	
m-/p-Xylenes	Toluene-d8 (IS)	13.210	13.217	24,547	
o-Xylene	Toluene-d8 (IS)	13.711	13.718	9,823	

**benzene-d6 (IS)**

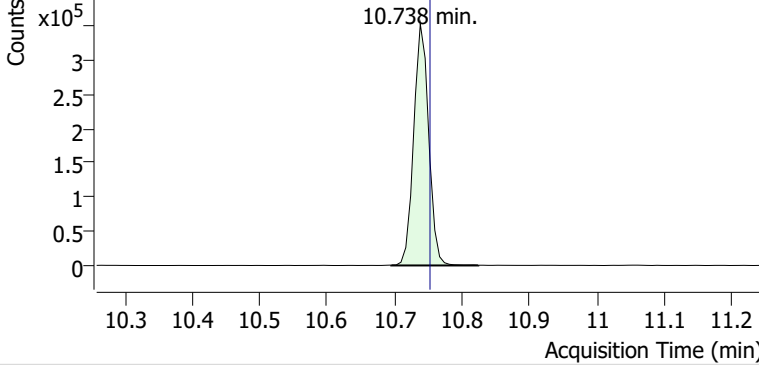


**Benzene**

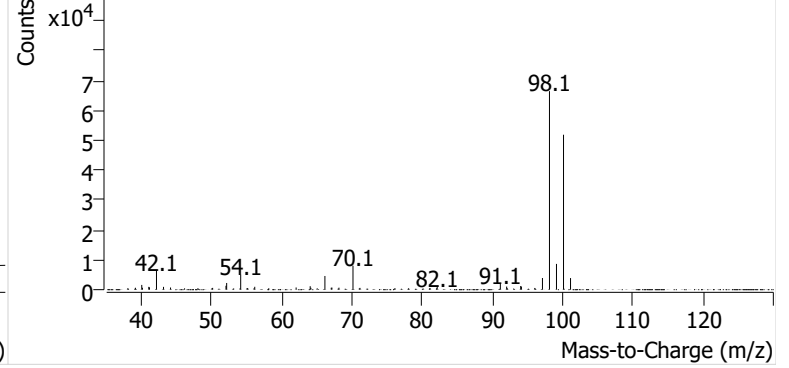


**Toluene-d8 (IS)**

+ EIC (98.1) Scan E2504623.d

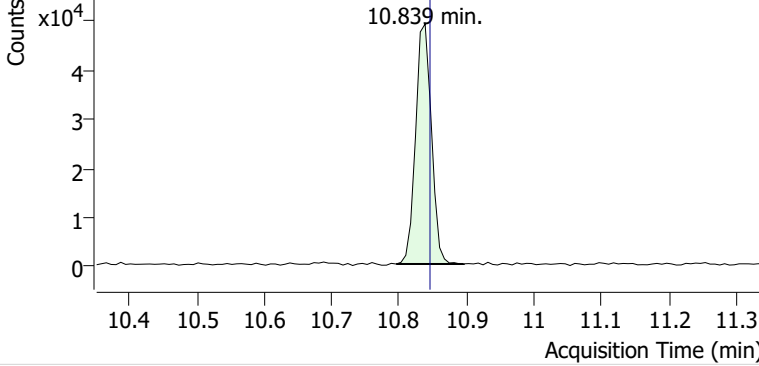


+ Scan (10.695-10.824 min, 19 scans) E2504623.d

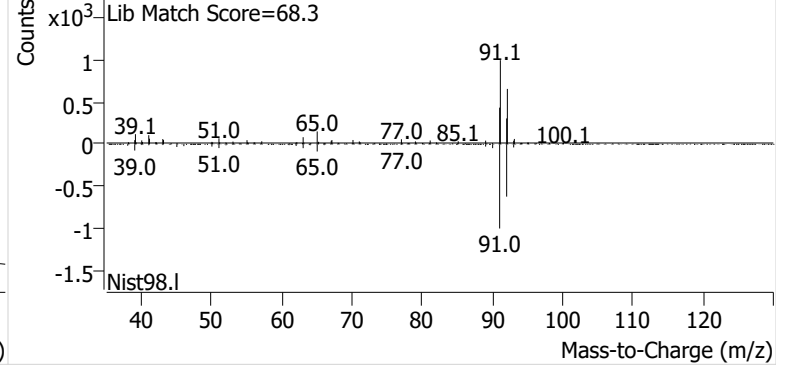


**Toluene**

+ EIC (91.1) Scan E2504623.d

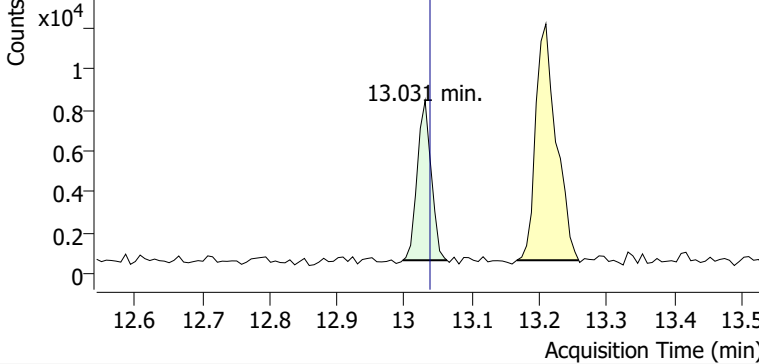


+ Scan (10.796-10.896 min, 14 scans) E2504623.d

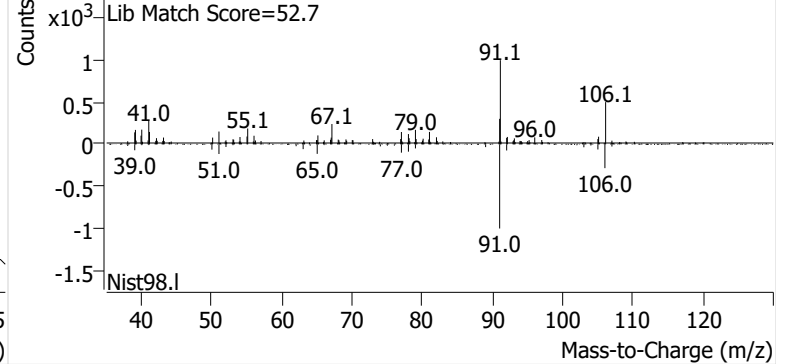


**Ethylbenzene**

+ EIC (91.1) Scan E2504623.d

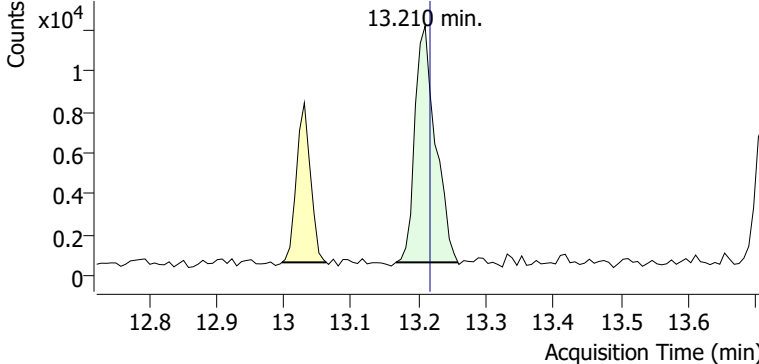


+ Scan (12.997-13.063 min, 9 scans) E2504623.d

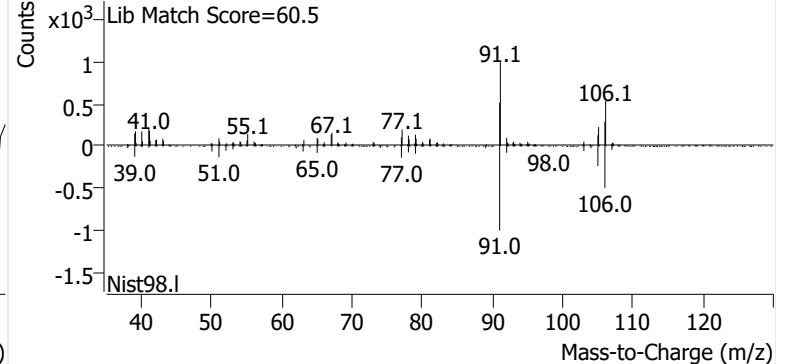


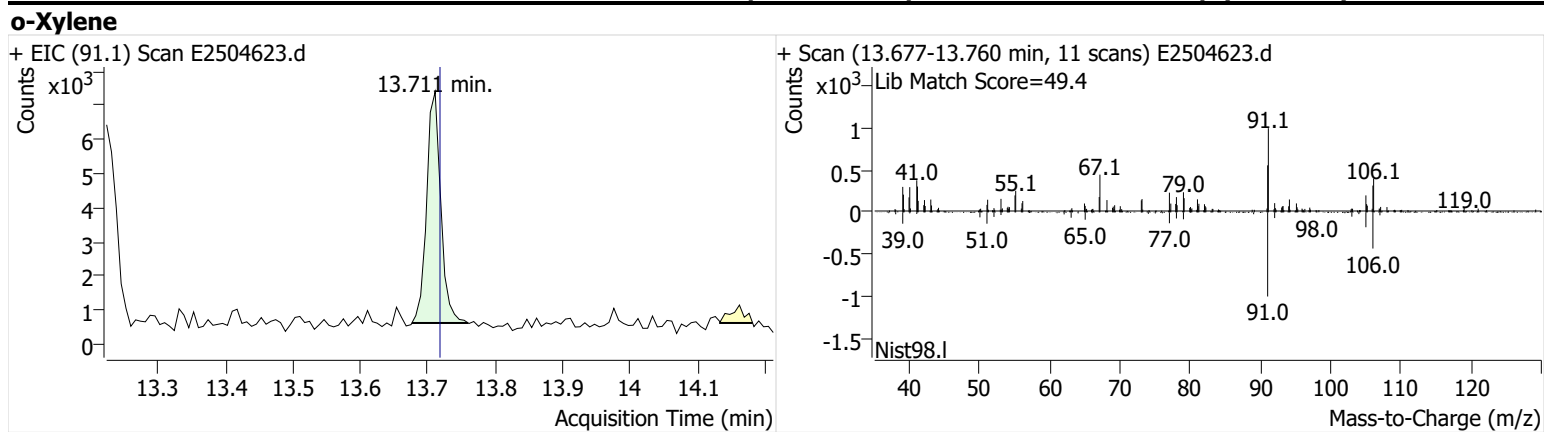
**m-/p-Xylenes**

+ EIC (91.1) Scan E2504623.d



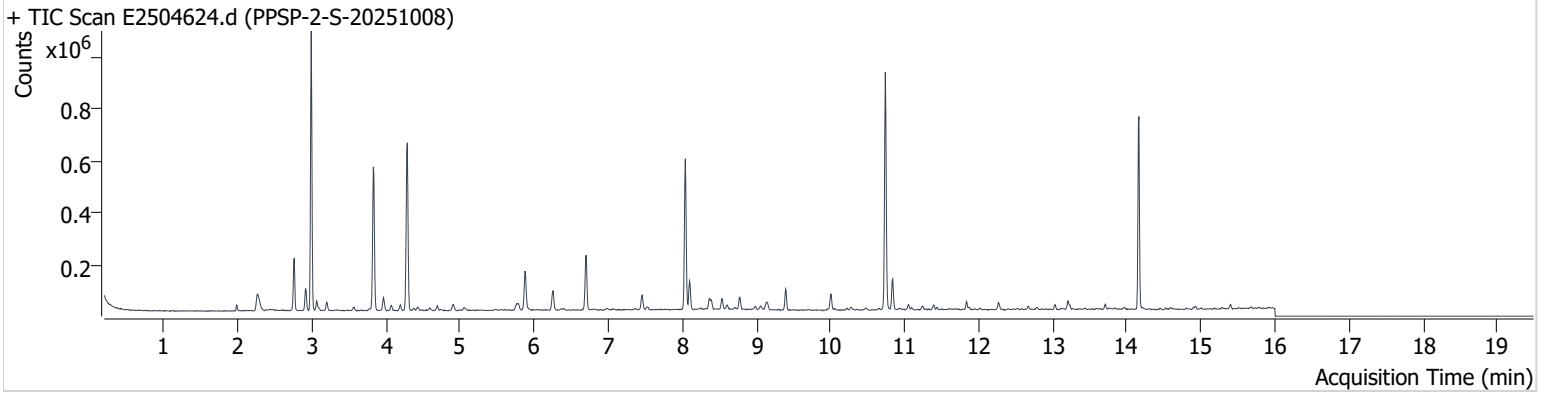
+ Scan (13.166-13.258 min, 13 scans) E2504623.d





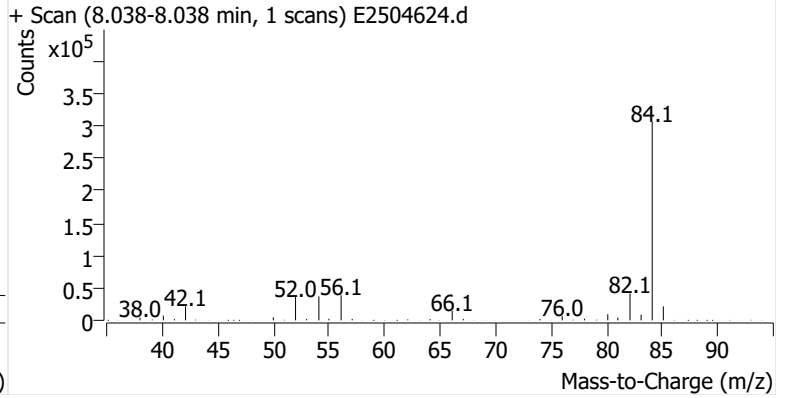
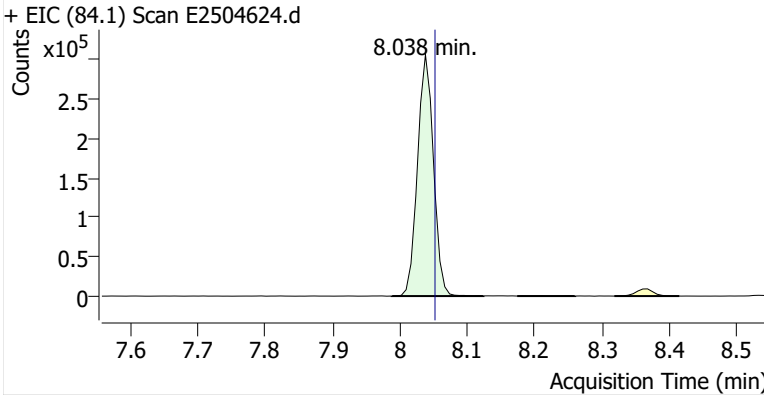
**Name** PPSP-2-S-20251008  
**Comment** B19256  
**Data File** E2504624.d  
**Acq. Date-Time** 10/30/2025 11:03:45 AM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** CarbopackX  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

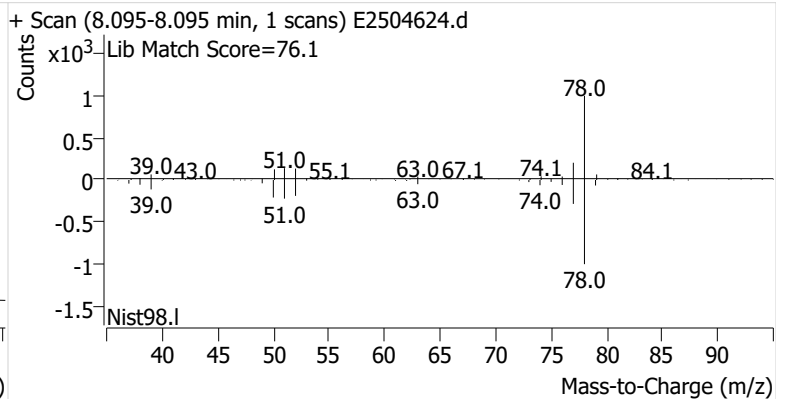
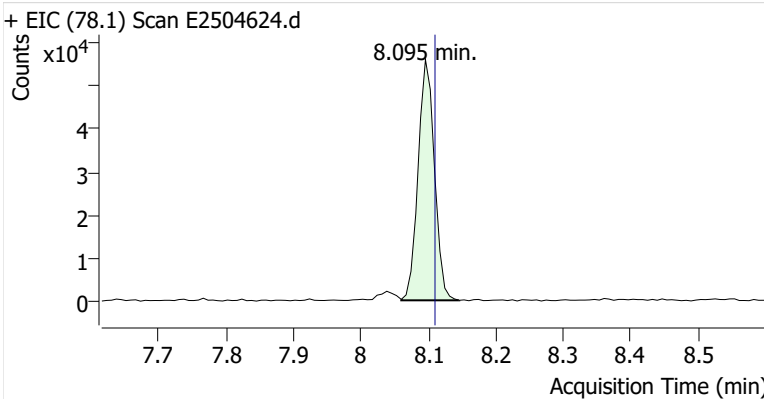


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.038	8.052	504,011	
Benzene	benzene-d6 (IS)	8.095	8.110	93,719	
Toluene-d8 (IS)		10.739	10.753	534,887	
Toluene	Toluene-d8 (IS)	10.839	10.846	72,908	
Ethylbenzene	Toluene-d8 (IS)	13.031	13.038	10,567	
m-/p-Xylenes	Toluene-d8 (IS)	13.203	13.217	23,015	
o-Xylene	Toluene-d8 (IS)	13.711	13.718	8,794	

**benzene-d6 (IS)**

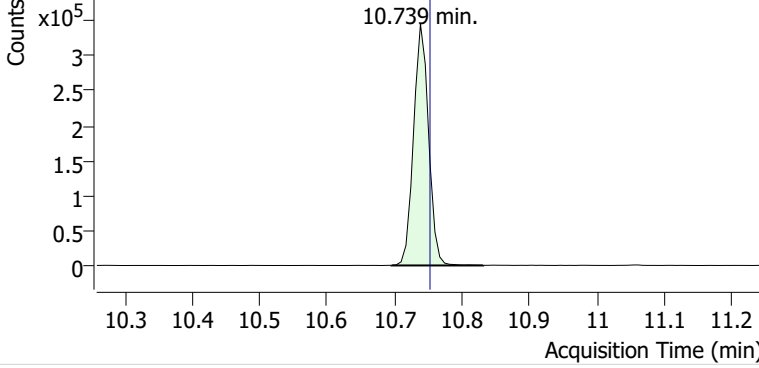


**Benzene**

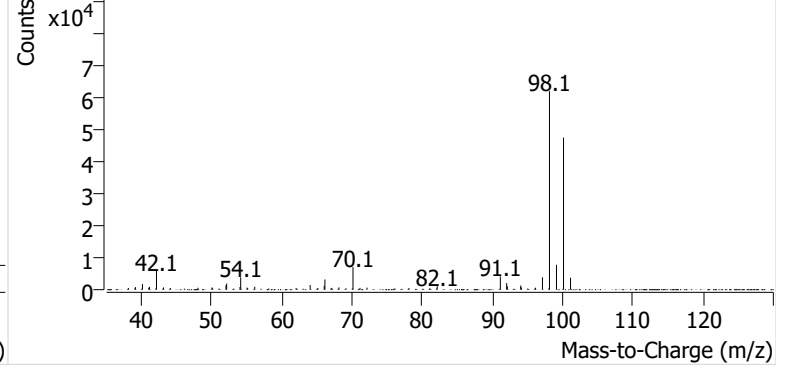


**Toluene-d8 (IS)**

+ EIC (98.1) Scan E2504624.d

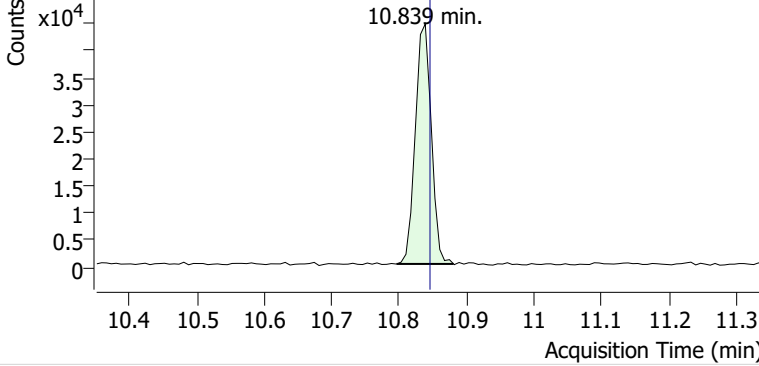


+ Scan (10.696-10.832 min, 20 scans) E2504624.d

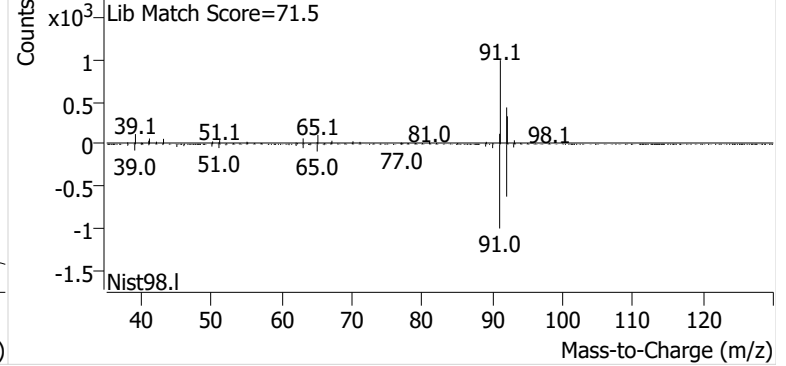


**Toluene**

+ EIC (91.1) Scan E2504624.d

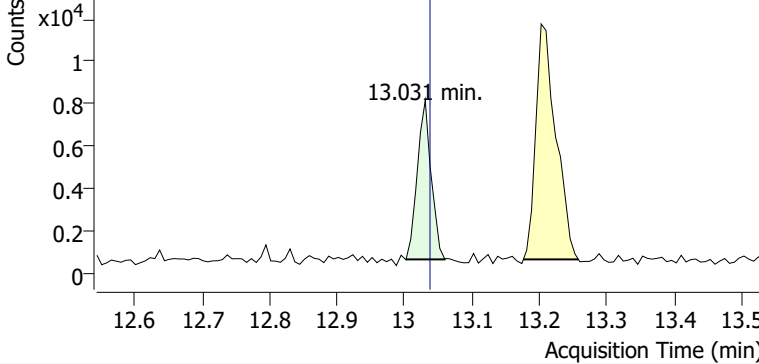


+ Scan (10.796-10.881 min, 11 scans) E2504624.d

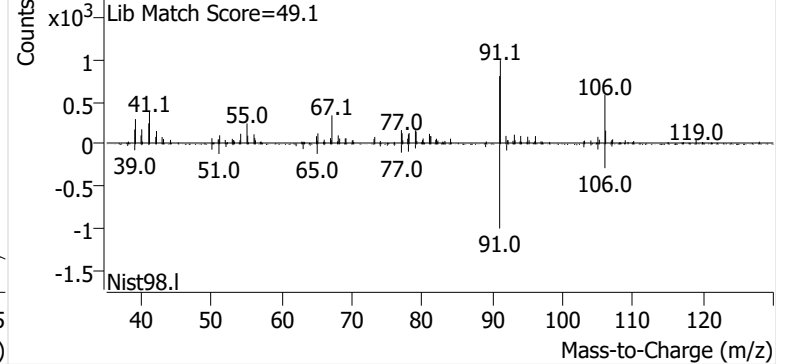


**Ethylbenzene**

+ EIC (91.1) Scan E2504624.d

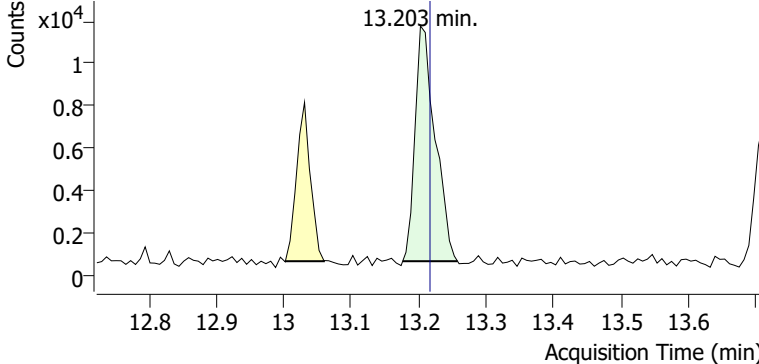


+ Scan (13.002-13.059 min, 8 scans) E2504624.d

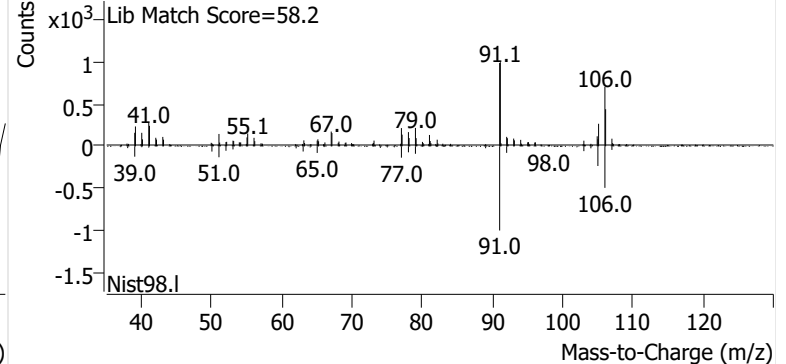


**m-/p-Xylenes**

+ EIC (91.1) Scan E2504624.d

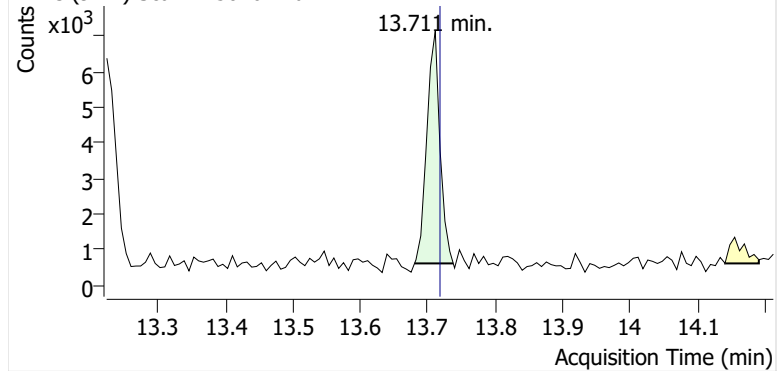


+ Scan (13.176-13.258 min, 11 scans) E2504624.d

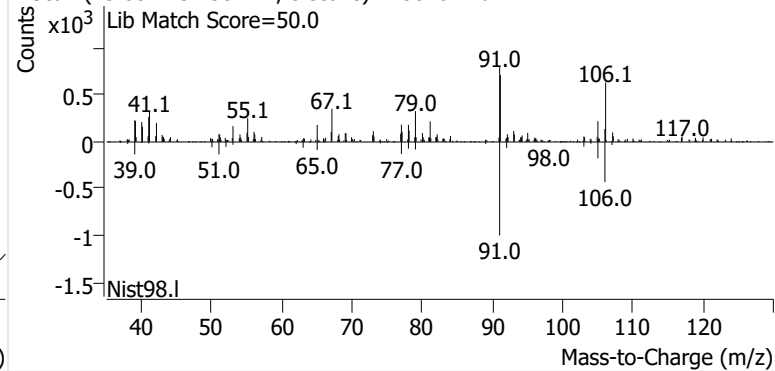


**o-Xylene**

+ EIC (91.1) Scan E2504624.d

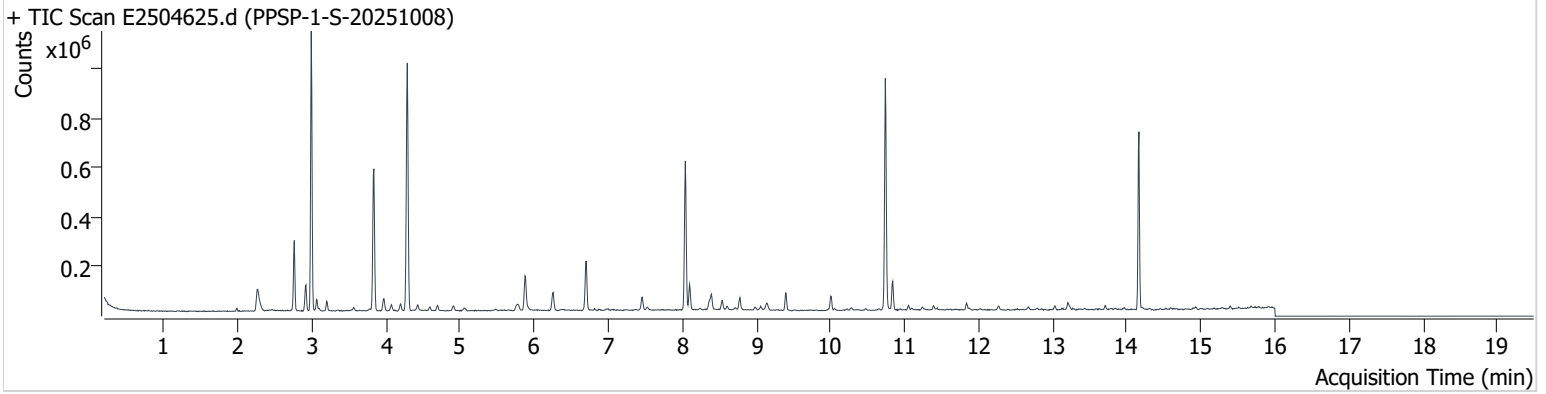


+ Scan (13.681-13.738 min, 8 scans) E2504624.d



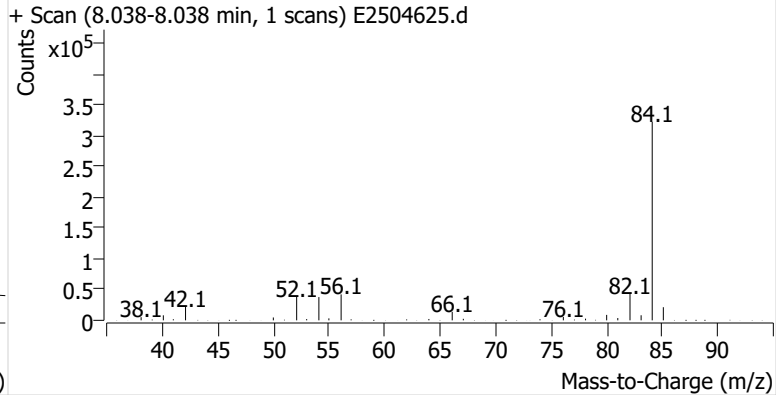
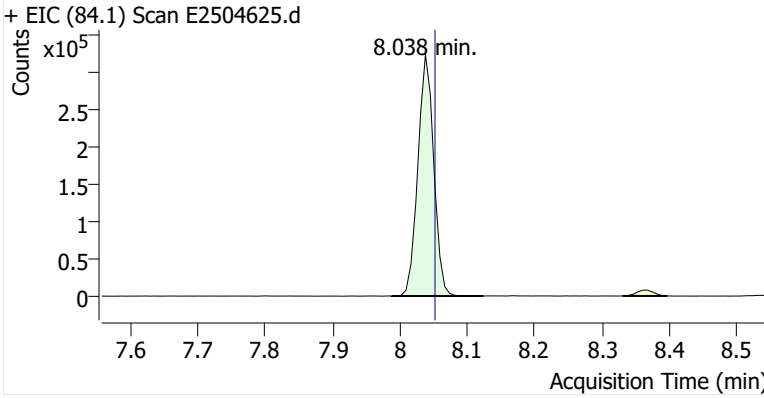
**Name** PPSP-1-S-20251008  
**Comment** C43238  
**Data File** E2504625.d  
**Acq. Date-Time** 10/30/2025 11:29:23 AM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** CarbopackX  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

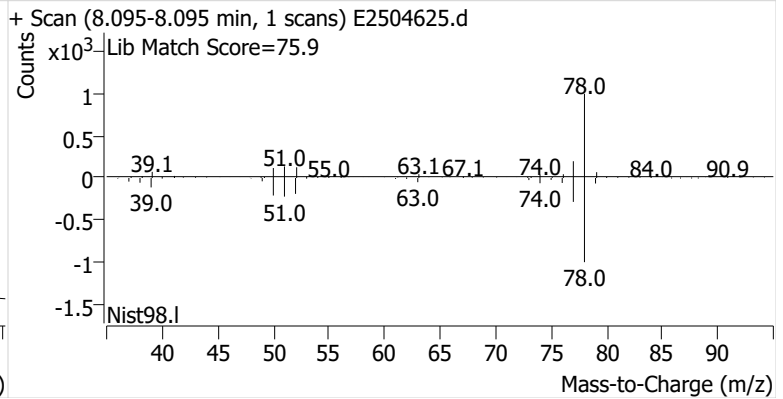
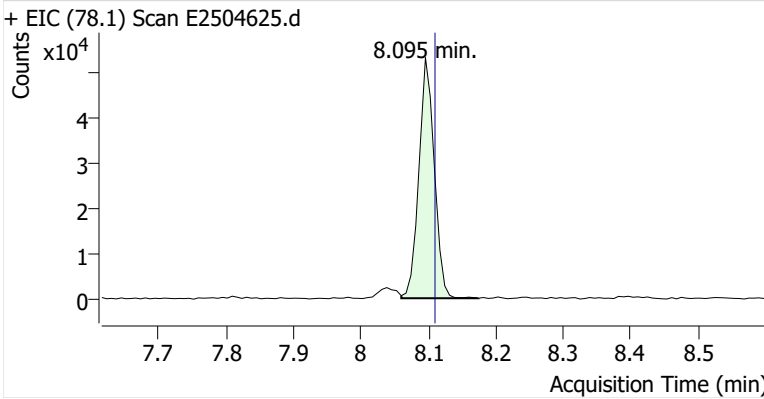


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.038	8.052	528,549	
Benzene	benzene-d6 (IS)	8.095	8.110	84,008	
Toluene-d8 (IS)		10.739	10.753	545,359	
Toluene	Toluene-d8 (IS)	10.839	10.846	70,596	
Ethylbenzene	Toluene-d8 (IS)	13.024	13.038	10,515	
m-/p-Xylenes	Toluene-d8 (IS)	13.203	13.217	19,970	
o-Xylene	Toluene-d8 (IS)	13.704	13.718	7,743	

**benzene-d6 (IS)**

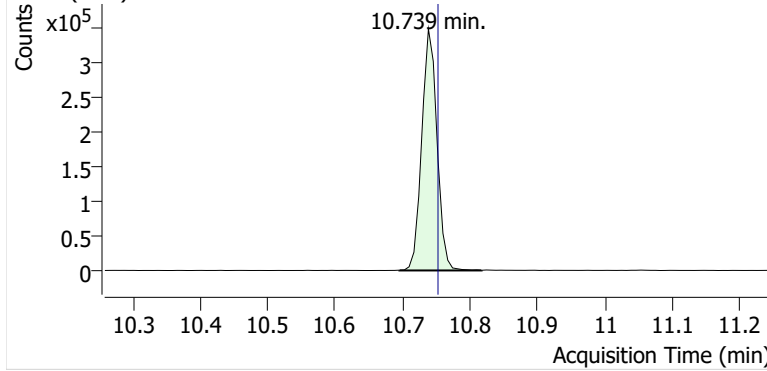


**Benzene**

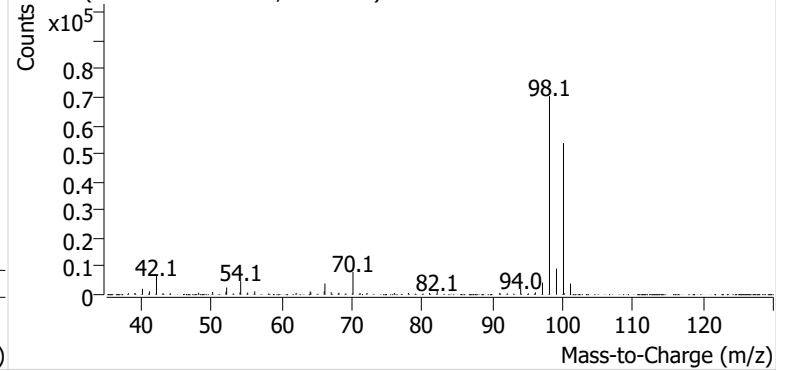


**Toluene-d8 (IS)**

+ EIC (98.1) Scan E2504625.d

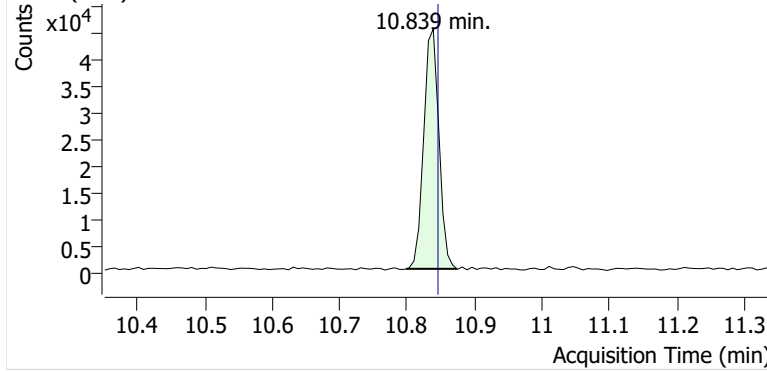


+ Scan (10.696-10.817 min, 18 scans) E2504625.d

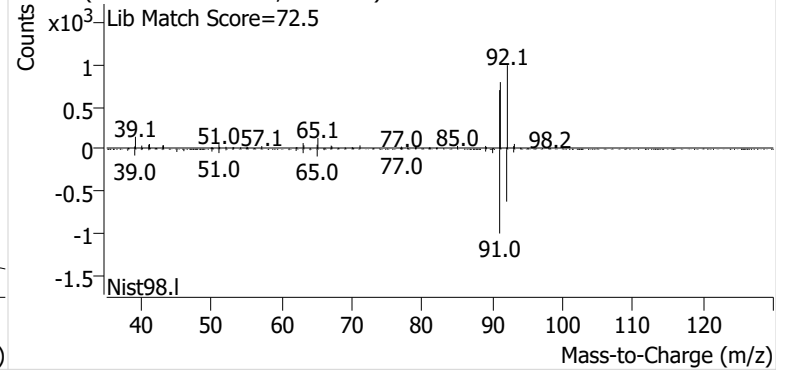


**Toluene**

+ EIC (91.1) Scan E2504625.d

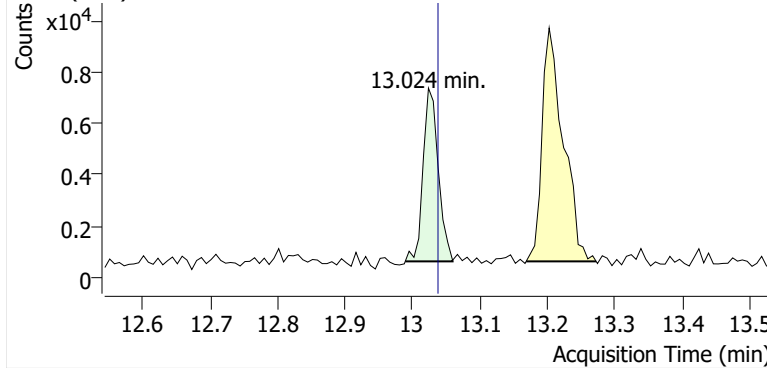


+ Scan (10.799-10.874 min, 10 scans) E2504625.d

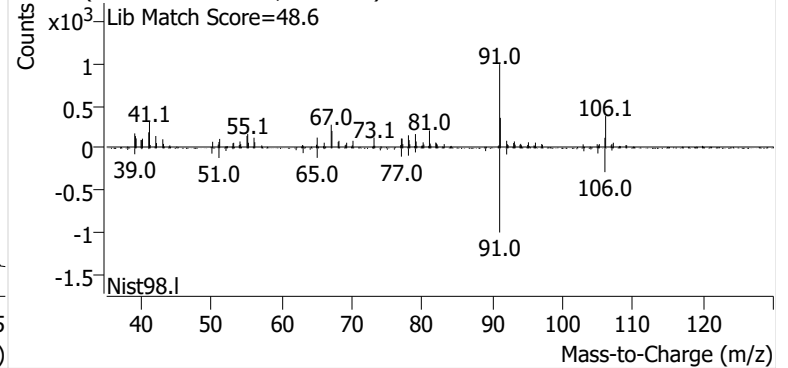


**Ethylbenzene**

+ EIC (91.1) Scan E2504625.d

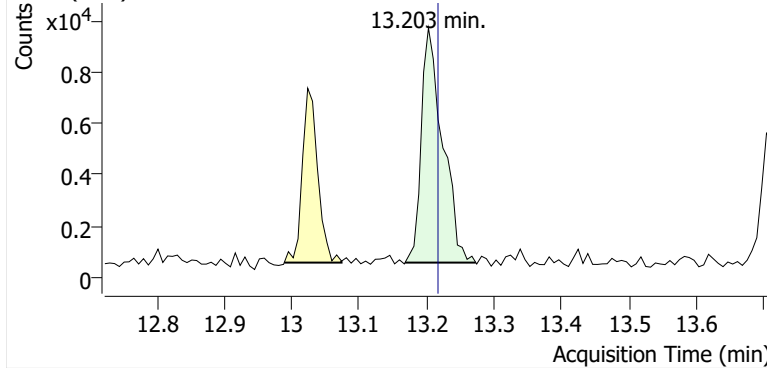


+ Scan (12.989-13.059 min, 10 scans) E2504625.d

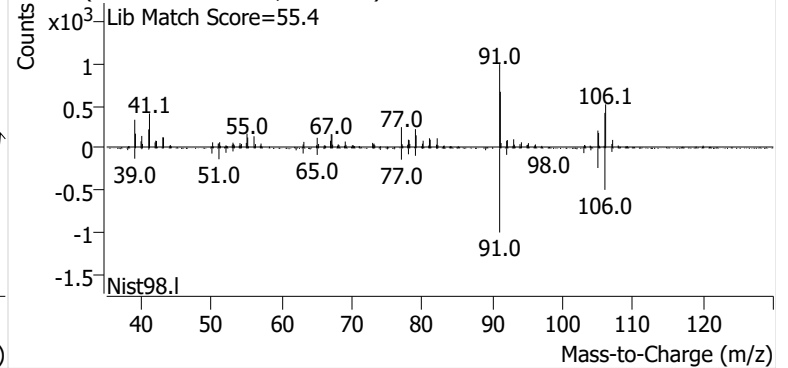


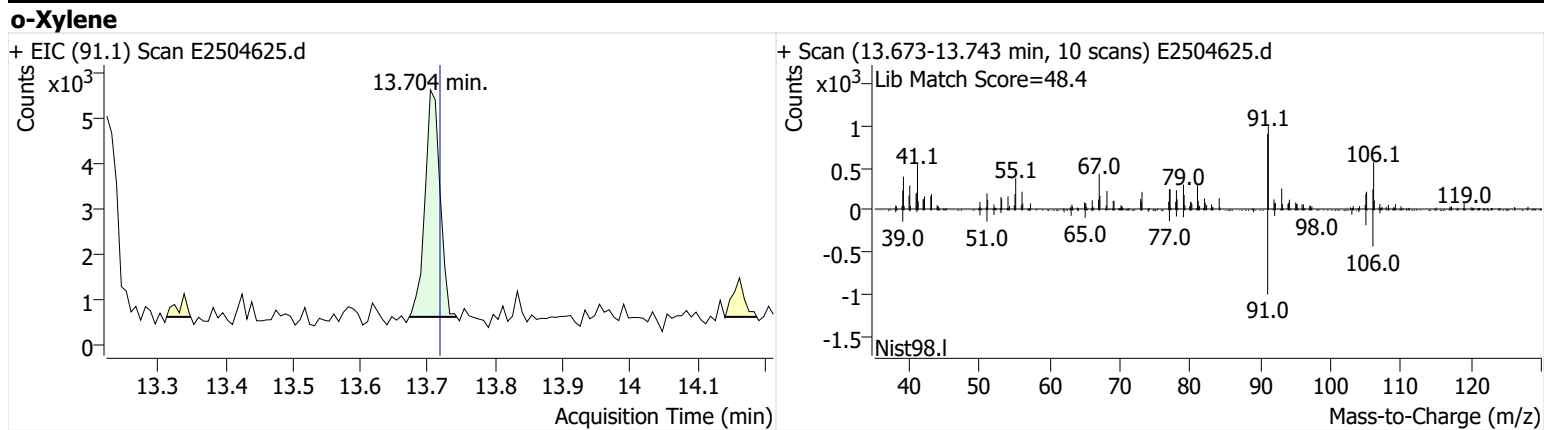
**m-/p-Xylenes**

+ EIC (91.1) Scan E2504625.d



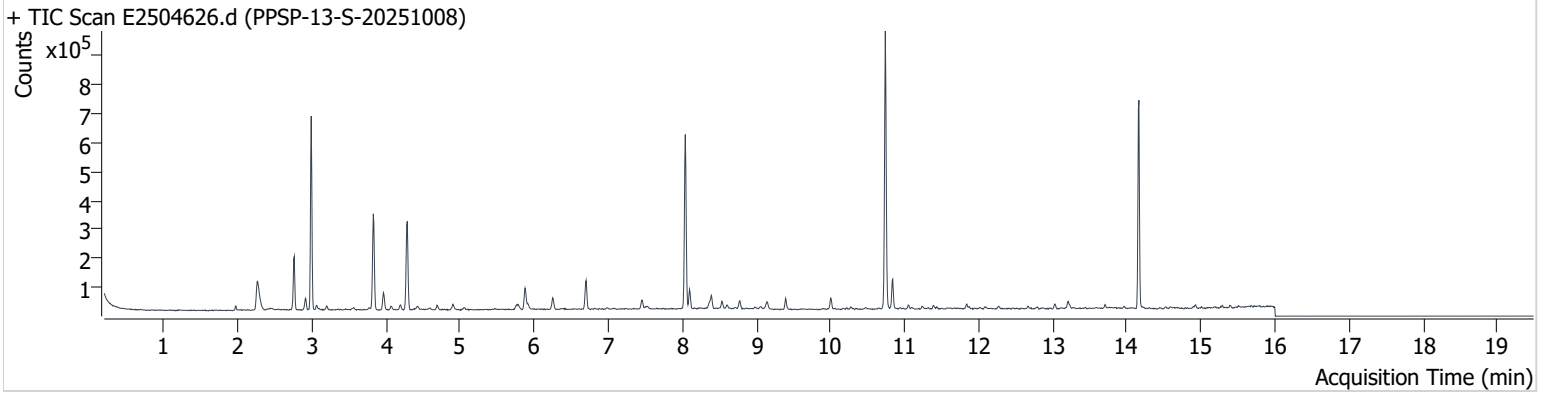
+ Scan (13.168-13.273 min, 14 scans) E2504625.d





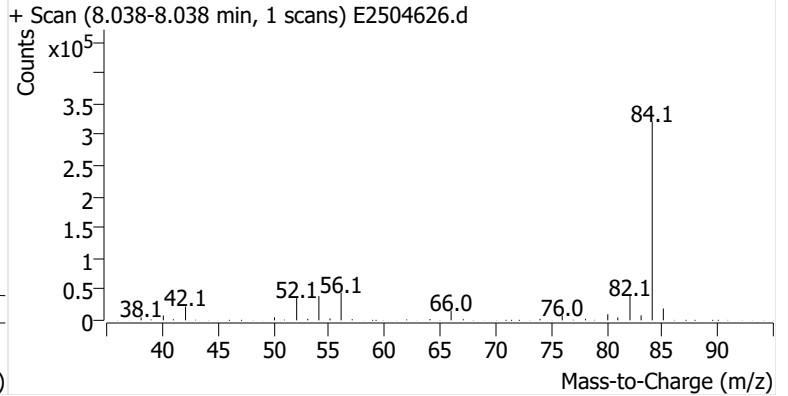
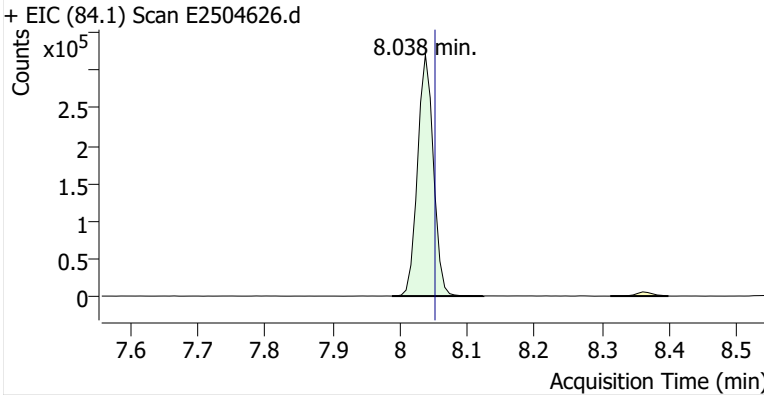
**Name** PPSP-13-S-20251008  
**Comment** C36869  
**Data File** E2504626.d  
**Acq. Date-Time** 10/30/2025 11:55:51 AM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** CarbopackX  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

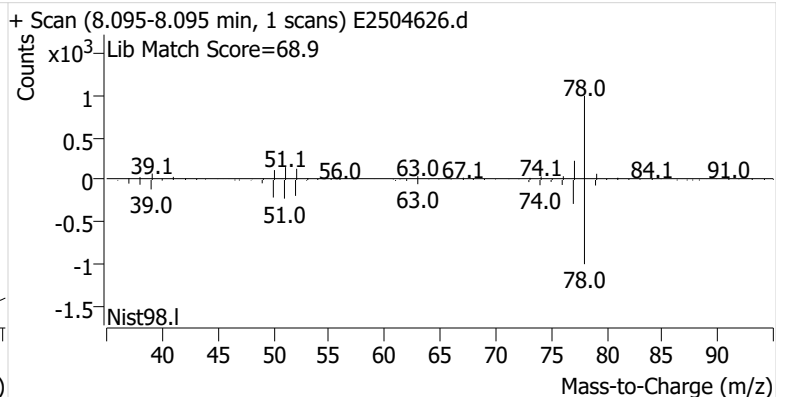
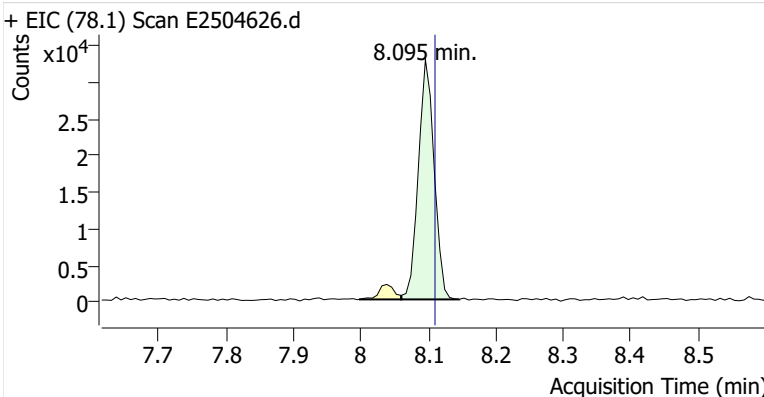


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.038	8.052	523,918	
Benzene	benzene-d6 (IS)	8.095	8.110	53,223	
Toluene-d8 (IS)		10.739	10.753	545,439	
Toluene	Toluene-d8 (IS)	10.839	10.846	59,770	
Ethylbenzene	Toluene-d8 (IS)	13.031	13.038	9,782	
m-/p-Xylenes	Toluene-d8 (IS)	13.210	13.217	18,374	
o-Xylene	Toluene-d8 (IS)	13.704	13.718	5,533	

**benzene-d6 (IS)**

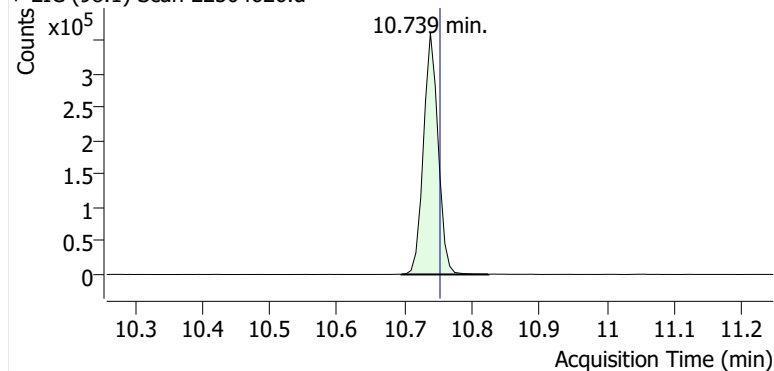


**Benzene**

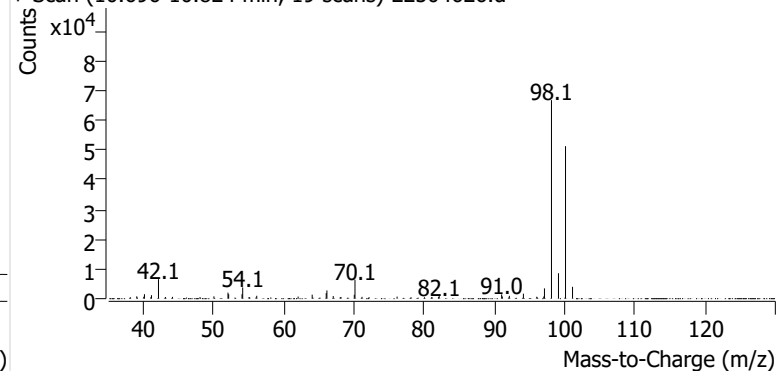


**Toluene-d8 (IS)**

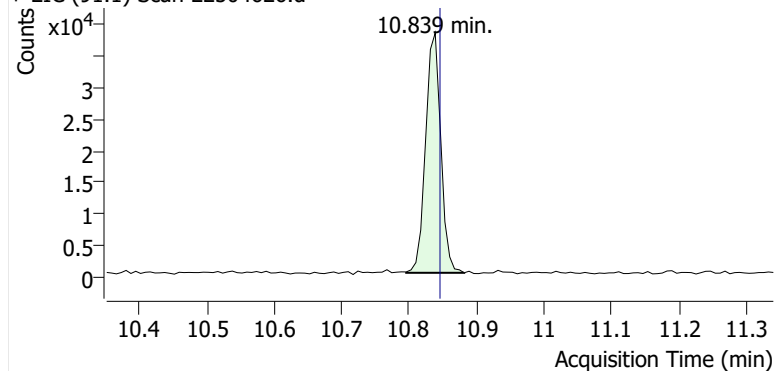
+ EIC (98.1) Scan E2504626.d



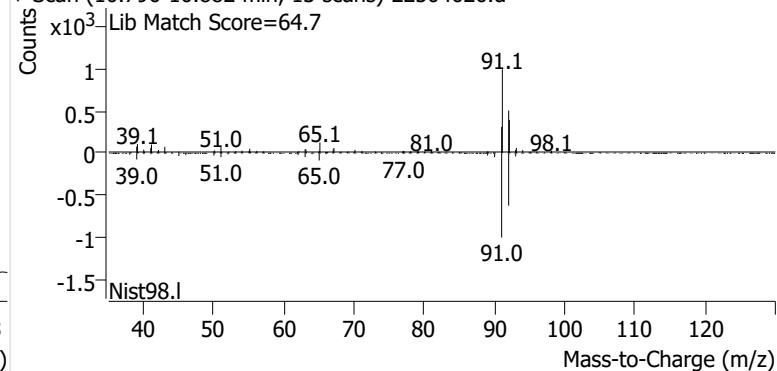
+ Scan (10.696-10.824 min, 19 scans) E2504626.d

**Toluene**

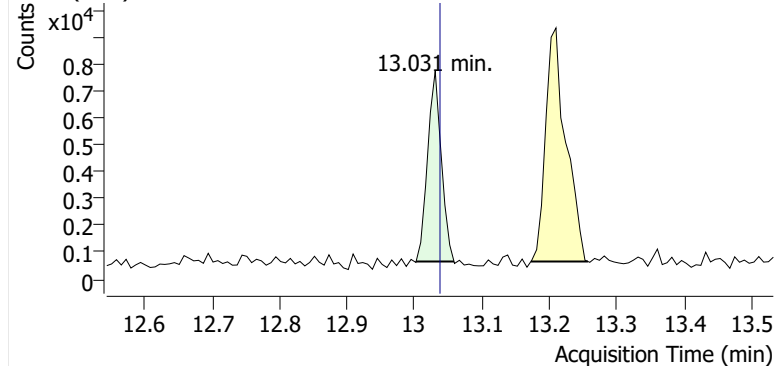
+ EIC (91.1) Scan E2504626.d



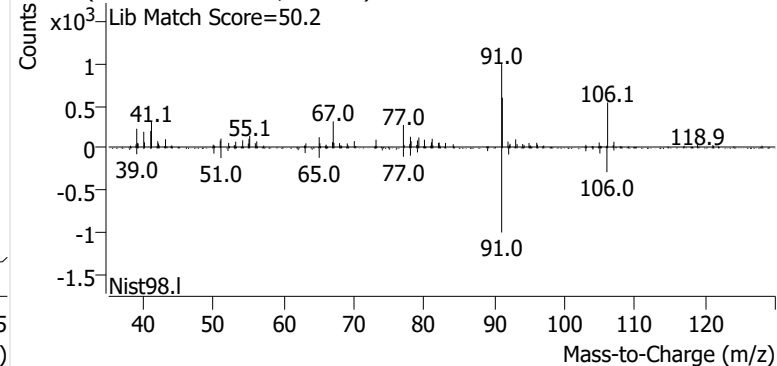
+ Scan (10.796-10.882 min, 13 scans) E2504626.d

**Ethylbenzene**

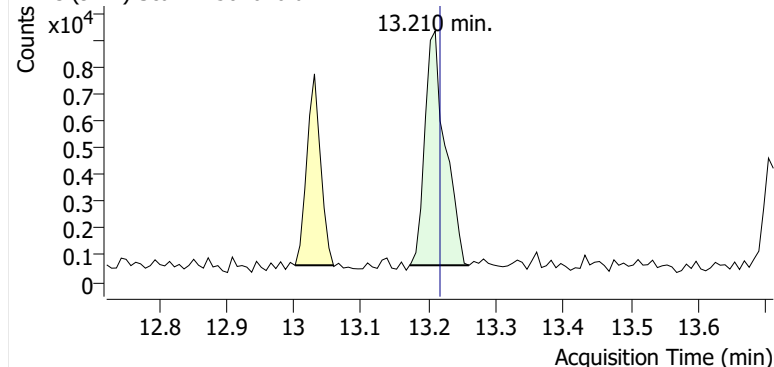
+ EIC (91.1) Scan E2504626.d



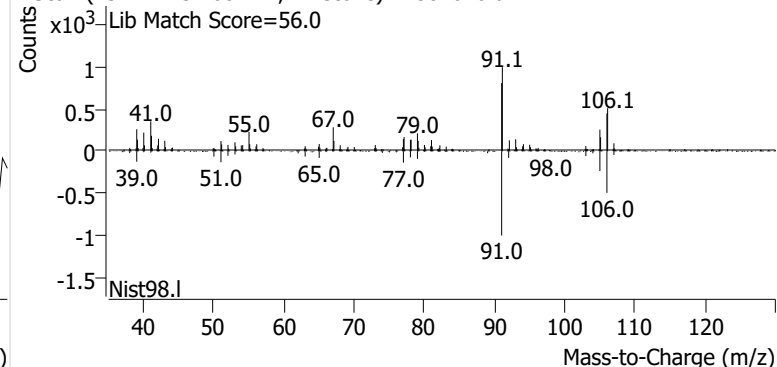
+ Scan (13.002-13.059 min, 7 scans) E2504626.d

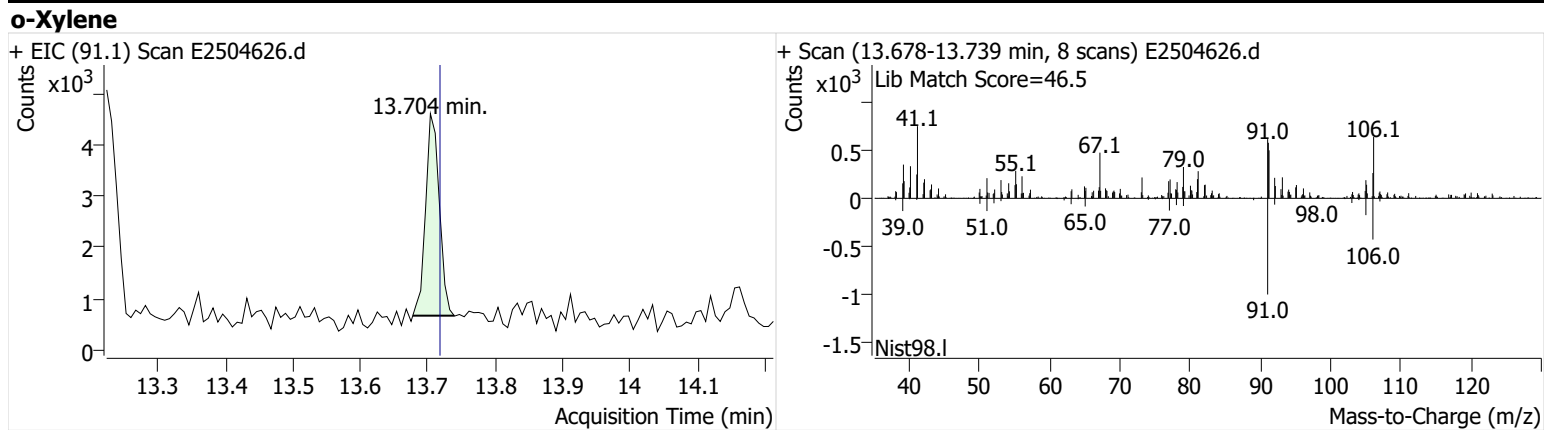
**m-/p-Xylenes**

+ EIC (91.1) Scan E2504626.d



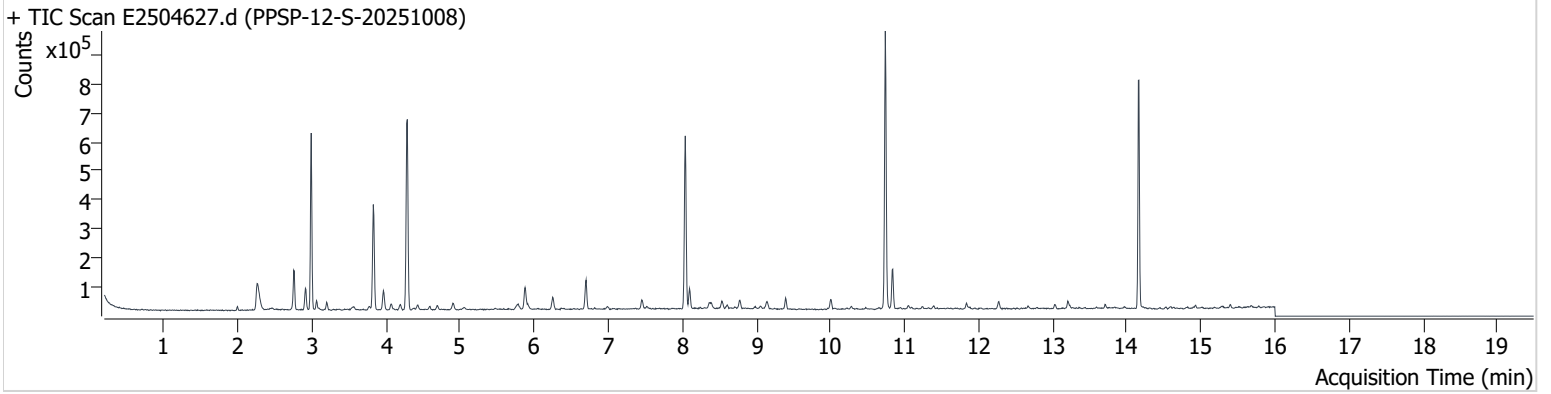
+ Scan (13.172-13.260 min, 12 scans) E2504626.d





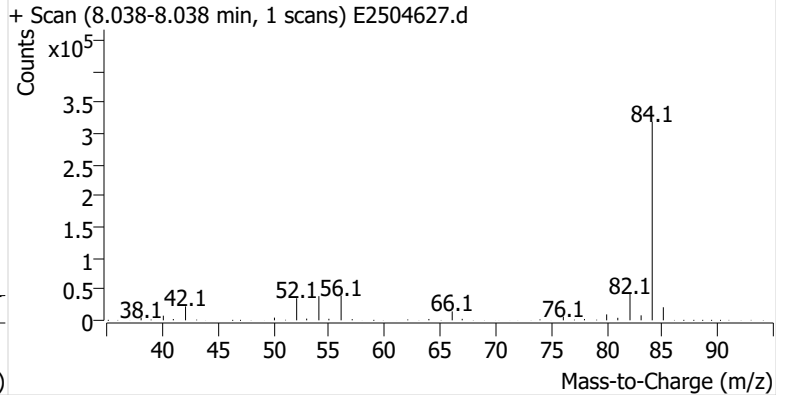
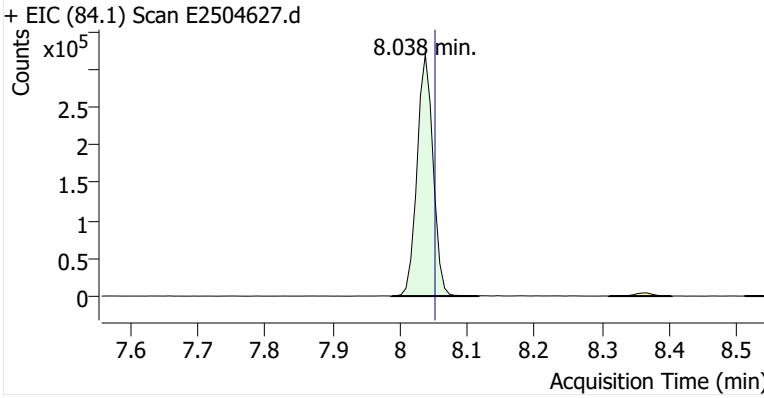
**Name** PPSP-12-S-20251008  
**Comment** C35769  
**Data File** E2504627.d  
**Acq. Date-Time** 10/30/2025 12:21:25 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** CarbopackX  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

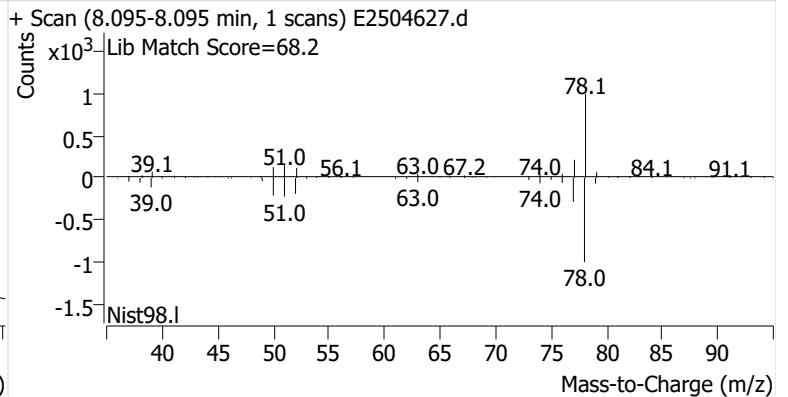
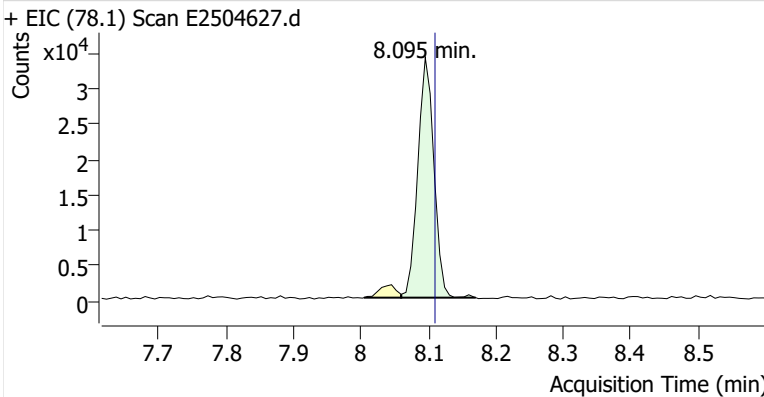


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.038	8.052	525,181	
Benzene	benzene-d6 (IS)	8.095	8.110	56,586	
Toluene-d8 (IS)		10.738	10.753	547,793	
Toluene	Toluene-d8 (IS)	10.839	10.846	87,977	
Ethylbenzene	Toluene-d8 (IS)	13.031	13.038	8,985	
m-/p-Xylenes	Toluene-d8 (IS)	13.202	13.217	16,798	
o-Xylene	Toluene-d8 (IS)	13.704	13.718	6,417	

**benzene-d6 (IS)**

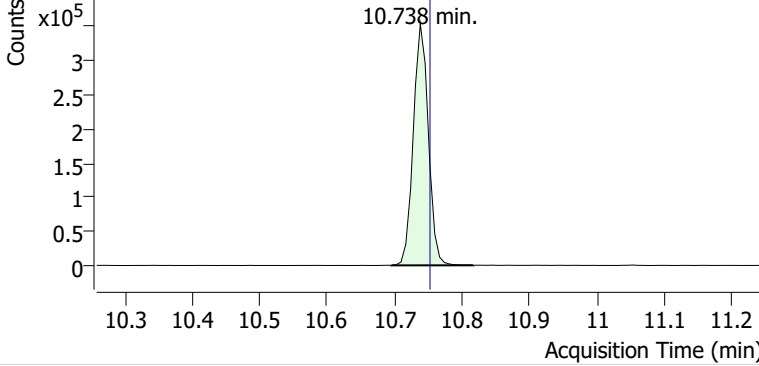


**Benzene**

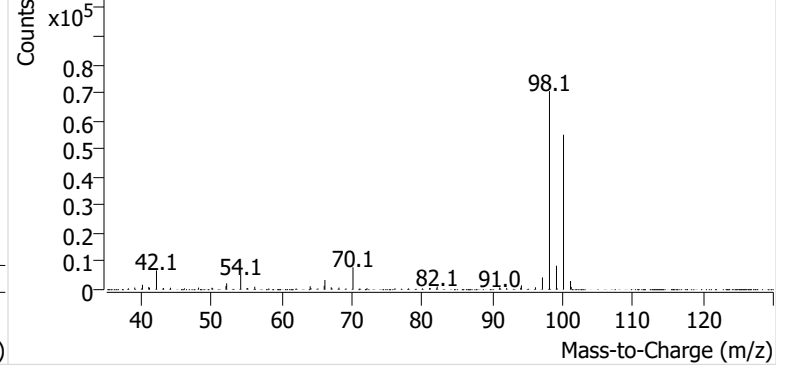


**Toluene-d8 (IS)**

+ EIC (98.1) Scan E2504627.d

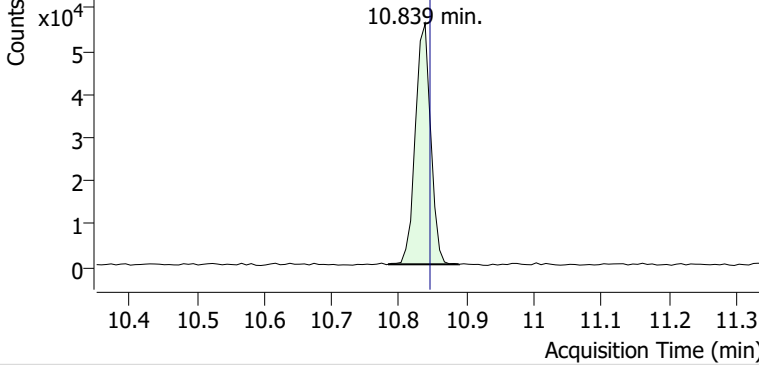


+ Scan (10.695-10.817 min, 18 scans) E2504627.d

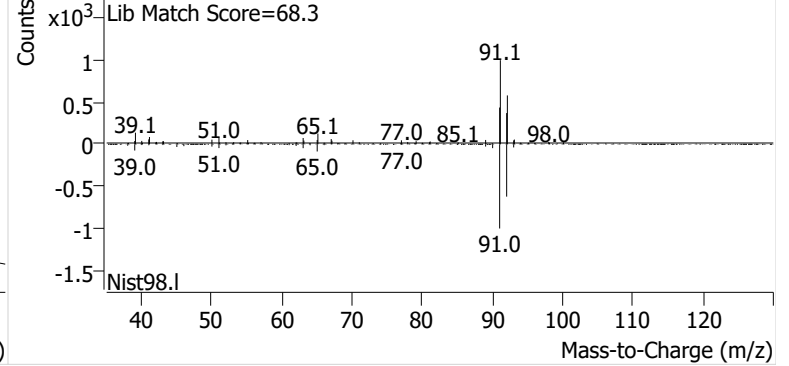


**Toluene**

+ EIC (91.1) Scan E2504627.d

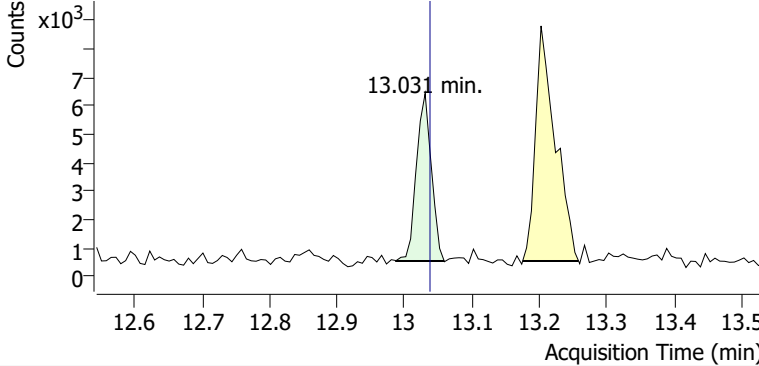


+ Scan (10.784-10.889 min, 15 scans) E2504627.d

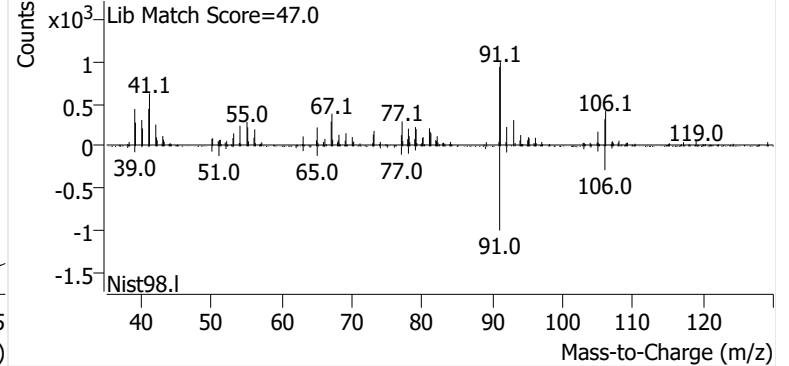


**Ethylbenzene**

+ EIC (91.1) Scan E2504627.d

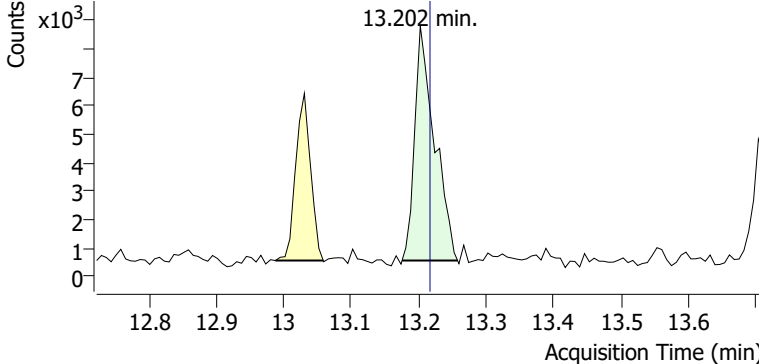


+ Scan (12.988-13.059 min, 10 scans) E2504627.d

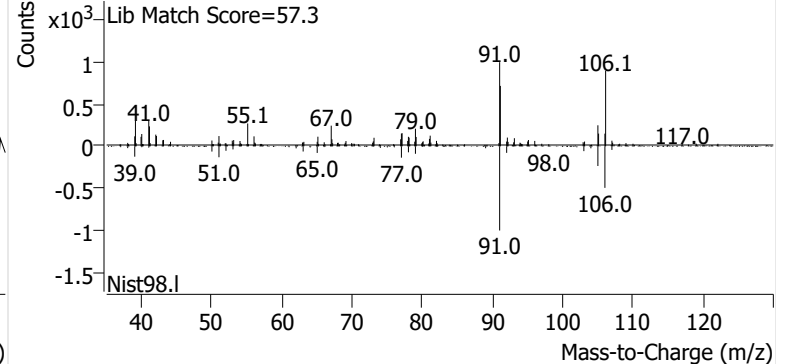


**m-/p-Xylenes**

+ EIC (91.1) Scan E2504627.d

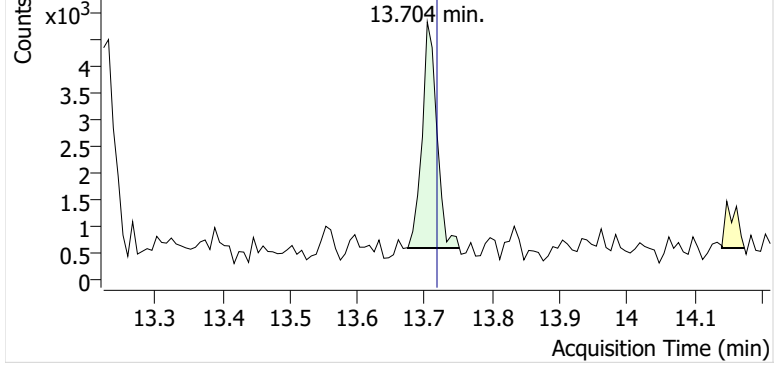


+ Scan (13.175-13.258 min, 11 scans) E2504627.d

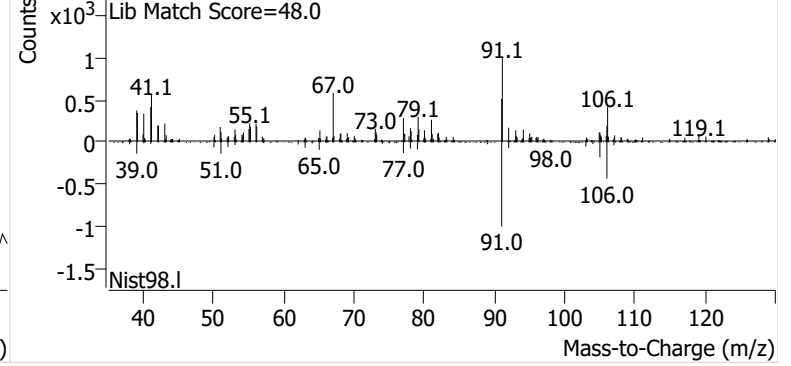


**o-Xylene**

+ EIC (91.1) Scan E2504627.d

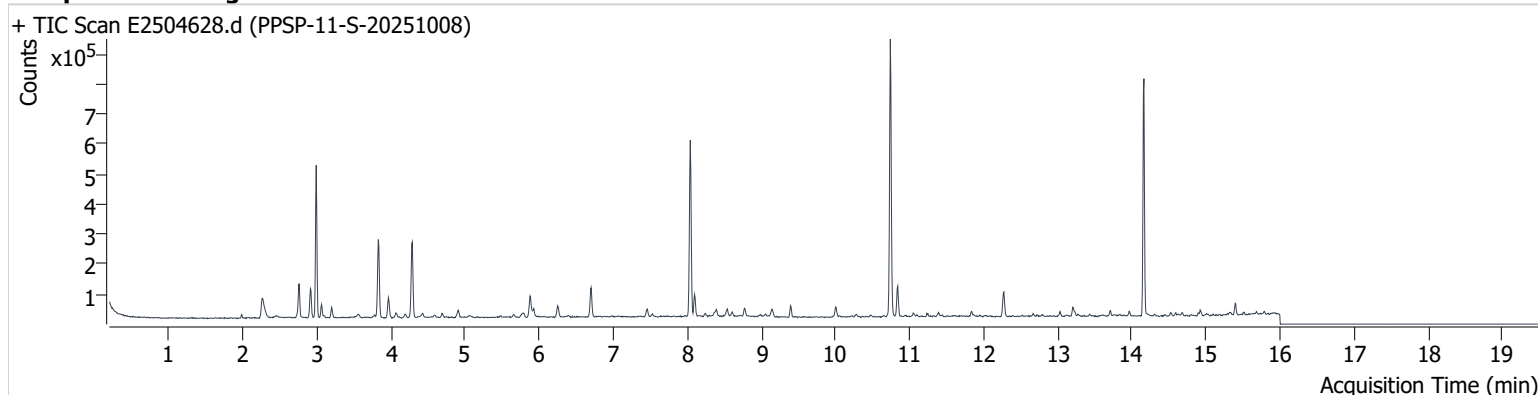


+ Scan (13.675-13.752 min, 11 scans) E2504627.d



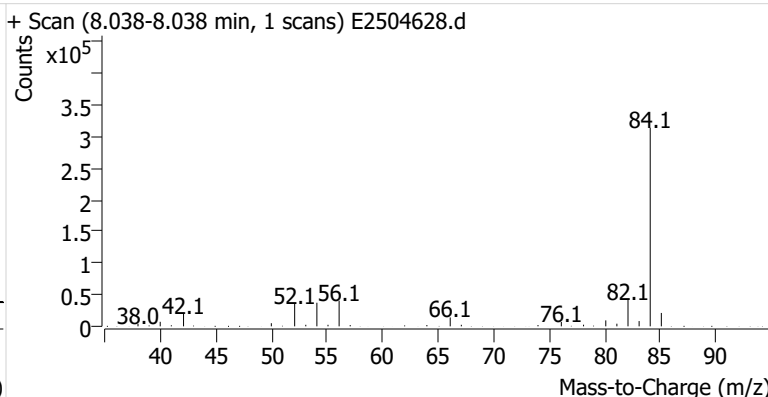
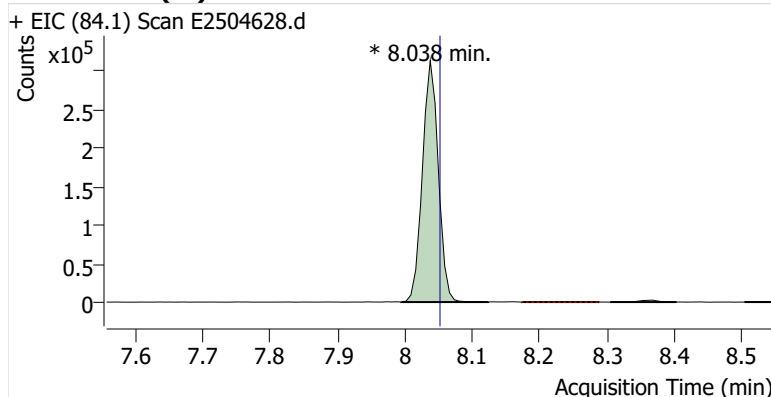
**Name** PPSP-11-S-20251008  
**Comment** C70885  
**Data File** E2504628.d  
**Acq. Date-Time** 10/30/2025 12:47:07 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** CarbopackX  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

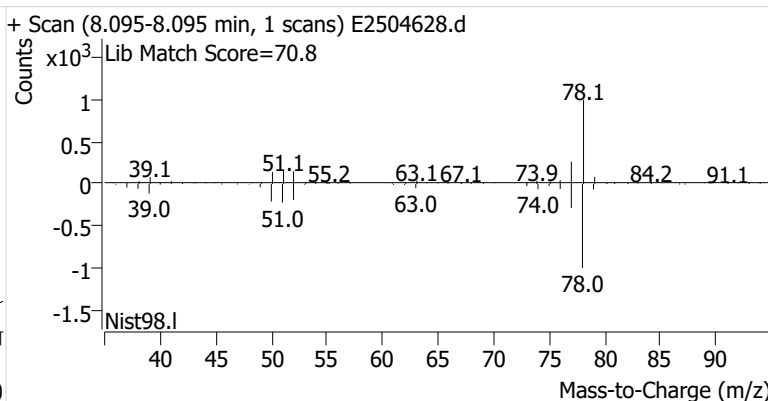
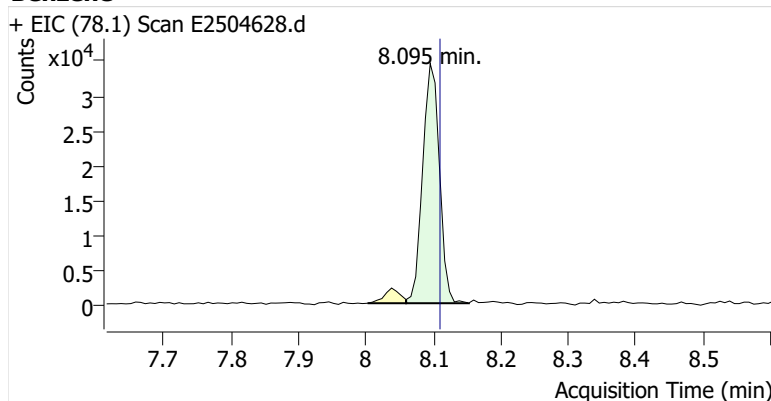


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.038	8.052	514,248	m
Benzene	benzene-d6 (IS)	8.095	8.110	59,251	
Toluene-d8 (IS)		10.738	10.753	531,843	
Toluene	Toluene-d8 (IS)	10.839	10.846	61,528	
Ethylbenzene	Toluene-d8 (IS)	13.030	13.038	8,046	
m-/p-Xylenes	Toluene-d8 (IS)	13.202	13.217	21,223	
o-Xylene	Toluene-d8 (IS)	13.704	13.718	7,799	

**benzene-d6 (IS)**

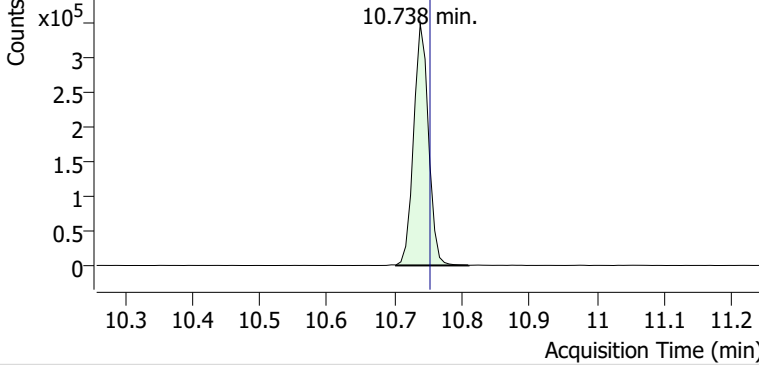


**Benzene**

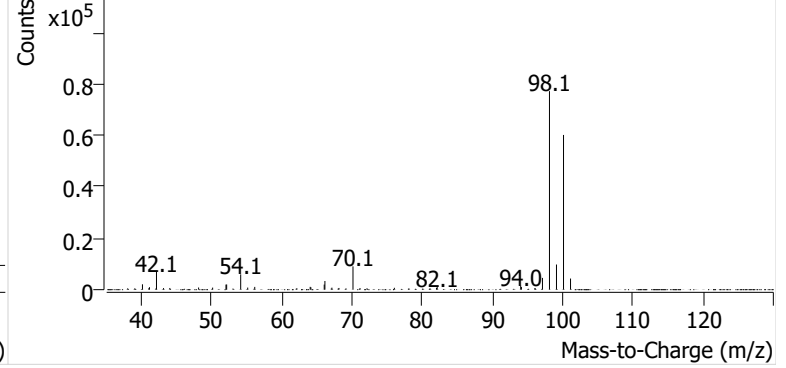


**Toluene-d8 (IS)**

+ EIC (98.1) Scan E2504628.d

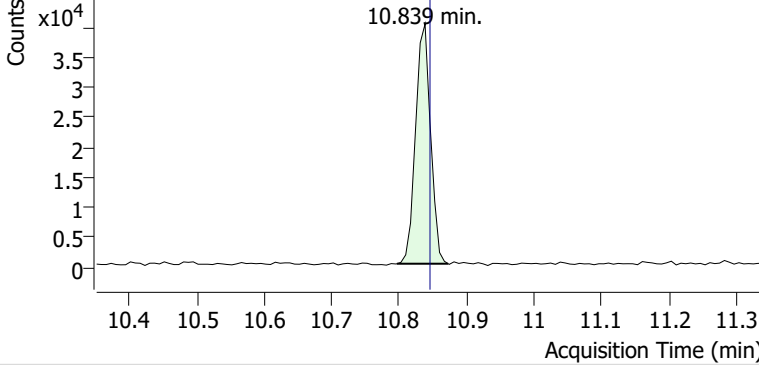


+ Scan (10.702-10.810 min, 16 scans) E2504628.d

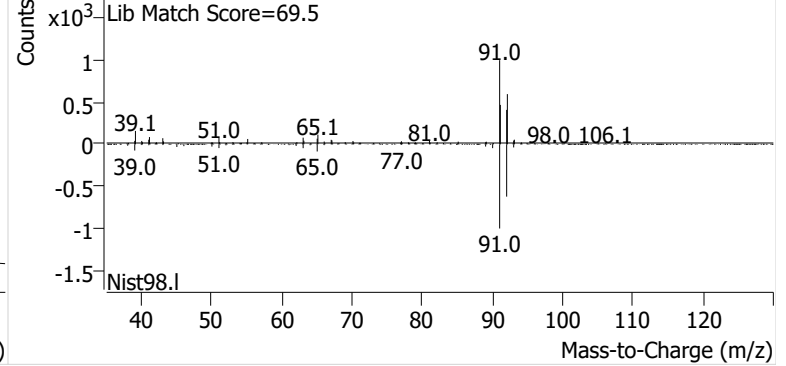


**Toluene**

+ EIC (91.1) Scan E2504628.d

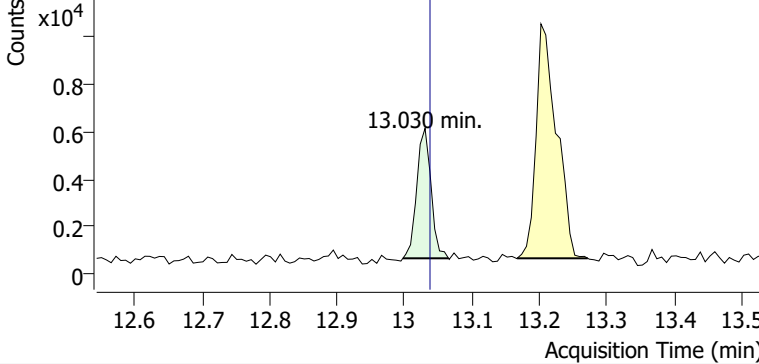


+ Scan (10.797-10.873 min, 10 scans) E2504628.d

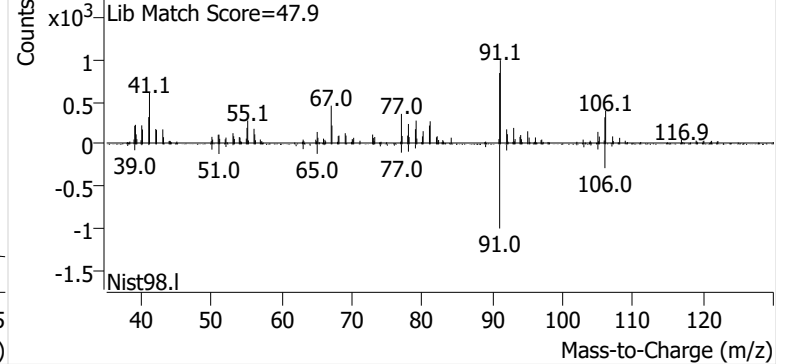


**Ethylbenzene**

+ EIC (91.1) Scan E2504628.d

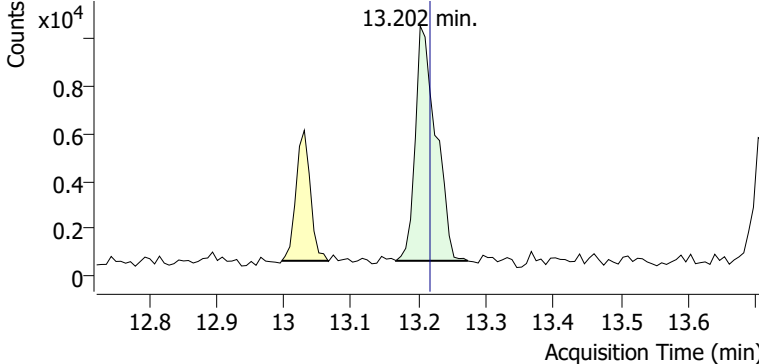


+ Scan (12.998-13.065 min, 9 scans) E2504628.d

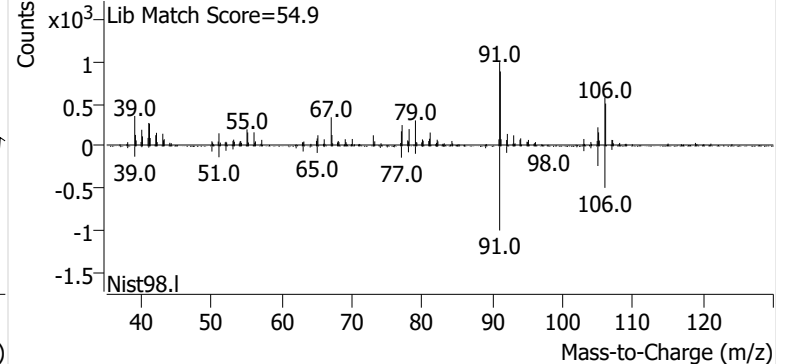


**m-/p-Xylenes**

+ EIC (91.1) Scan E2504628.d

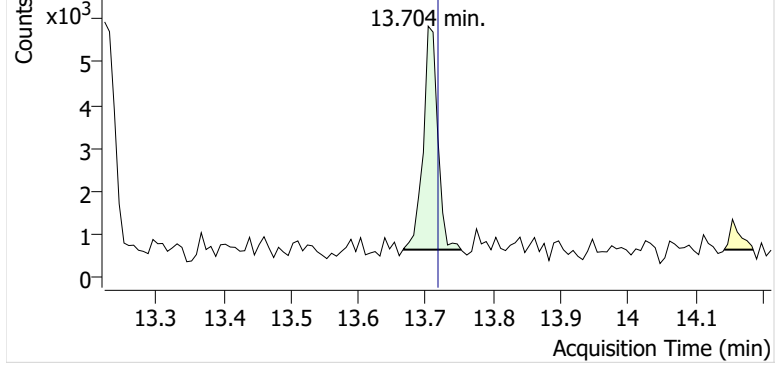


+ Scan (13.167-13.273 min, 15 scans) E2504628.d

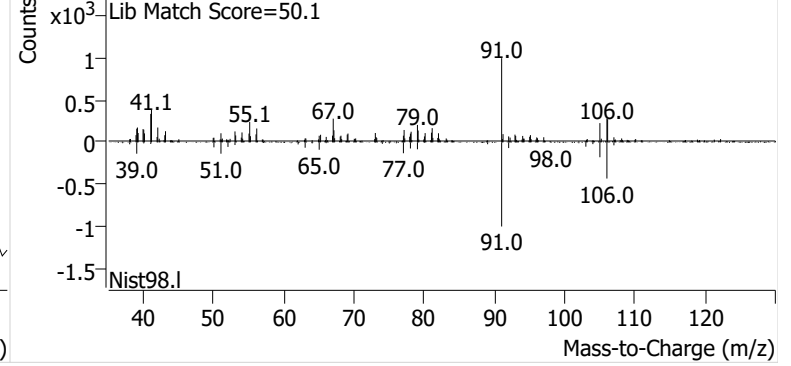


**o-Xylene**

+ EIC (91.1) Scan E2504628.d

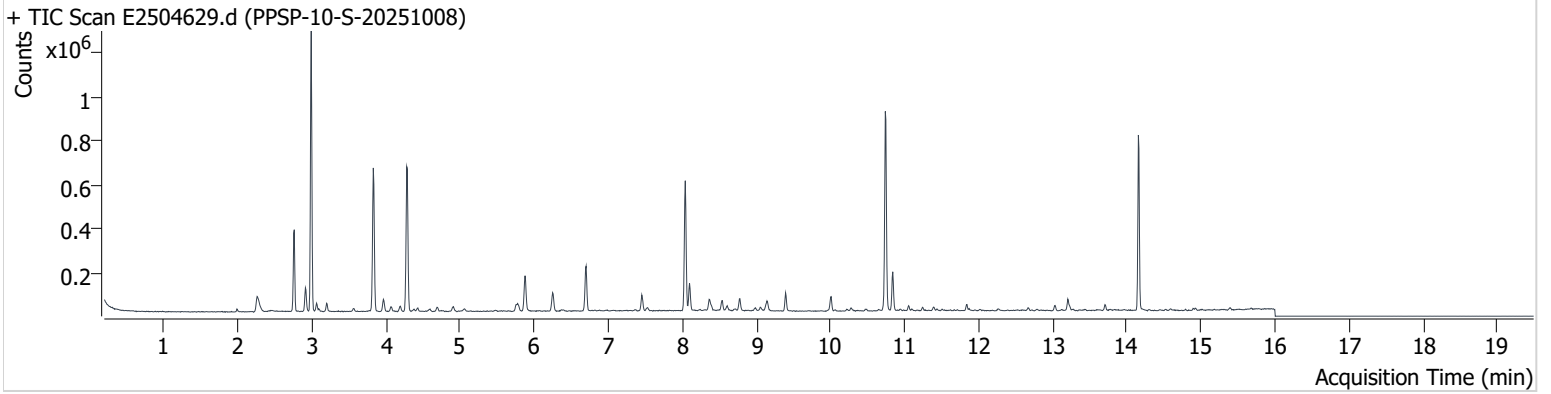


+ Scan (13.668-13.753 min, 12 scans) E2504628.d



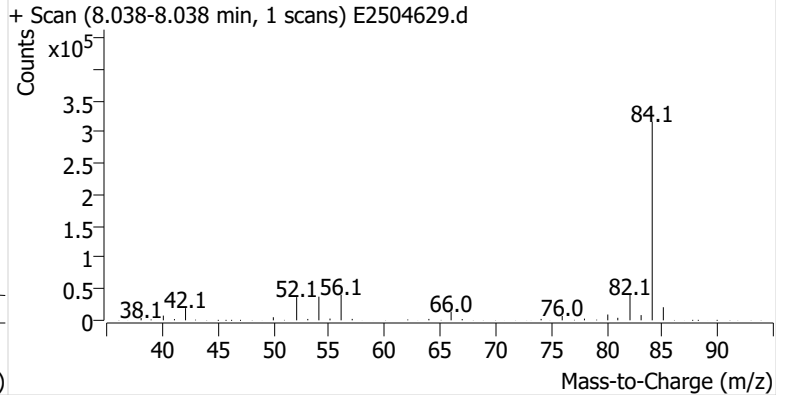
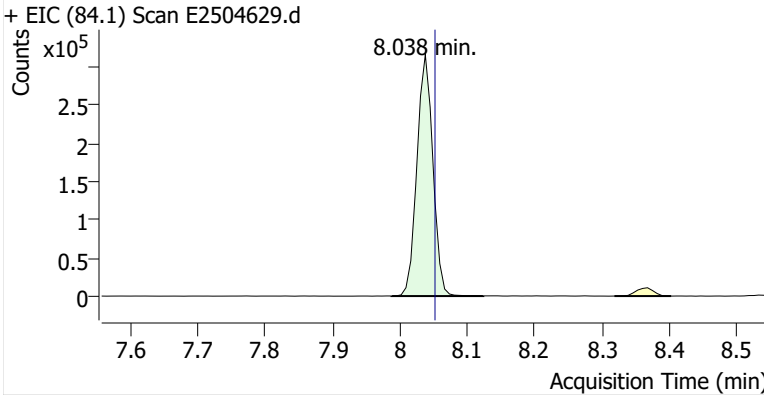
**Name** PPSP-10-S-20251008  
**Comment** B52729  
**Data File** E2504629.d  
**Acq. Date-Time** 10/30/2025 1:12:49 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** CarbopackX  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

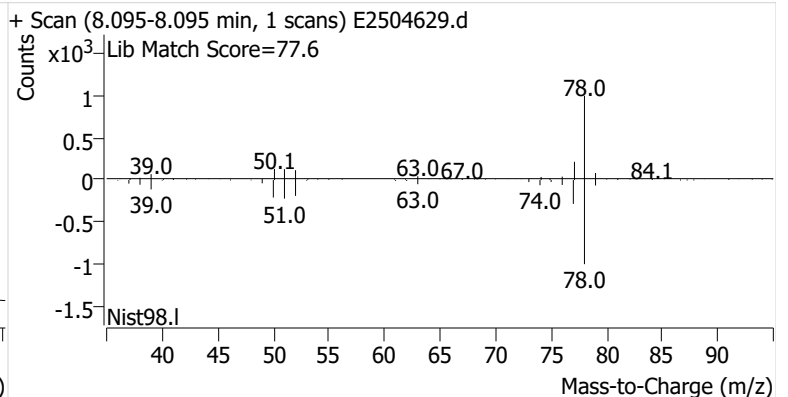
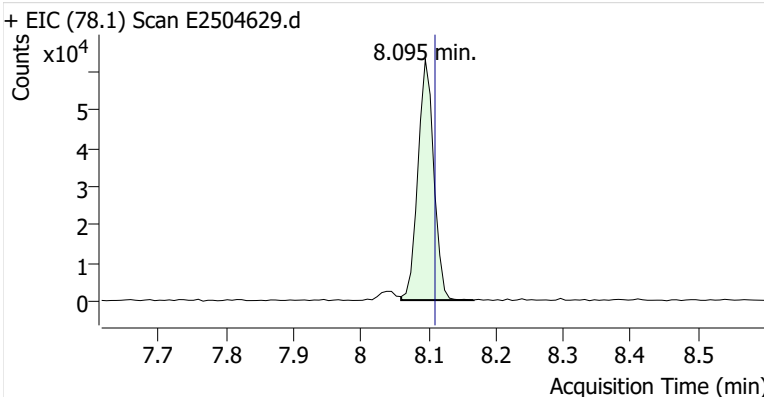


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.038	8.052	520,673	
Benzene	benzene-d6 (IS)	8.095	8.110	102,791	
Toluene-d8 (IS)		10.738	10.753	544,028	
Toluene	Toluene-d8 (IS)	10.839	10.846	103,292	
Ethylbenzene	Toluene-d8 (IS)	13.031	13.038	14,479	
m-/p-Xylenes	Toluene-d8 (IS)	13.203	13.217	32,935	
o-Xylene	Toluene-d8 (IS)	13.711	13.718	13,553	

**benzene-d6 (IS)**

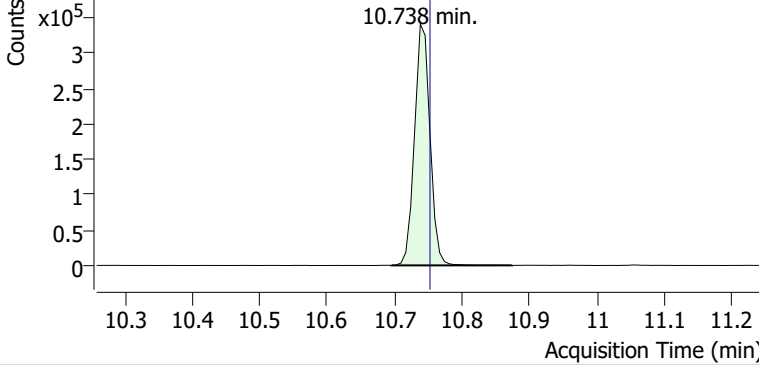


**Benzene**

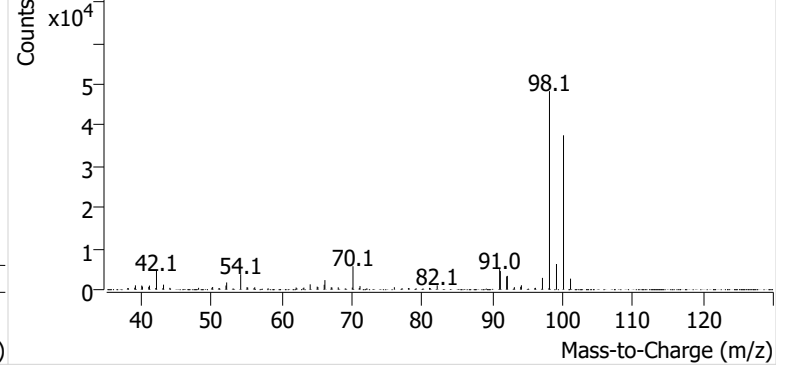


**Toluene-d8 (IS)**

+ EIC (98.1) Scan E2504629.d

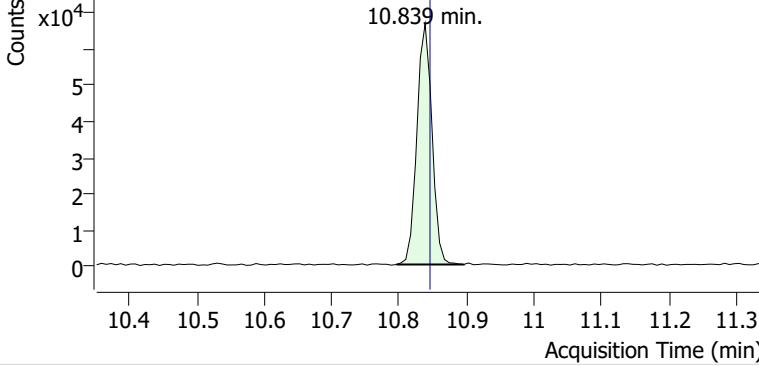


+ Scan (10.695-10.874 min, 26 scans) E2504629.d

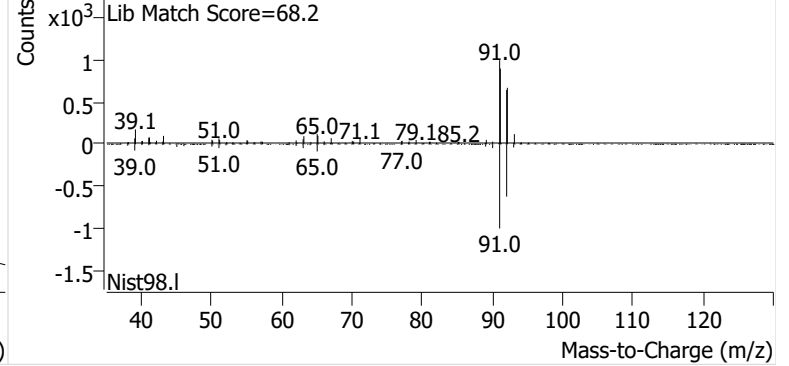


**Toluene**

+ EIC (91.1) Scan E2504629.d

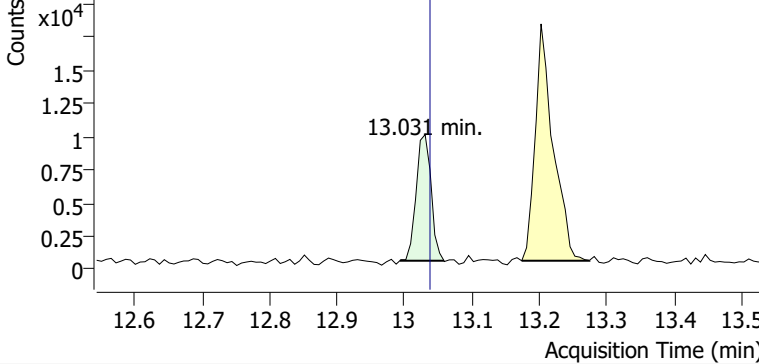


+ Scan (10.796-10.896 min, 14 scans) E2504629.d

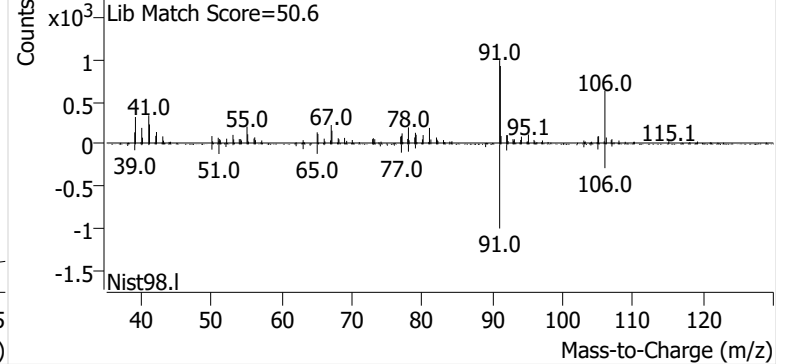


**Ethylbenzene**

+ EIC (91.1) Scan E2504629.d

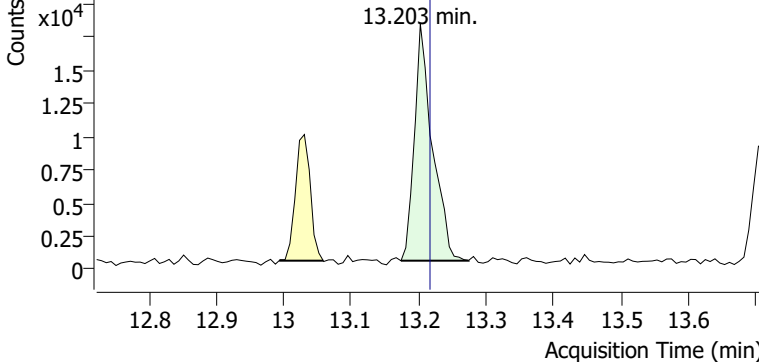


+ Scan (12.993-13.059 min, 9 scans) E2504629.d

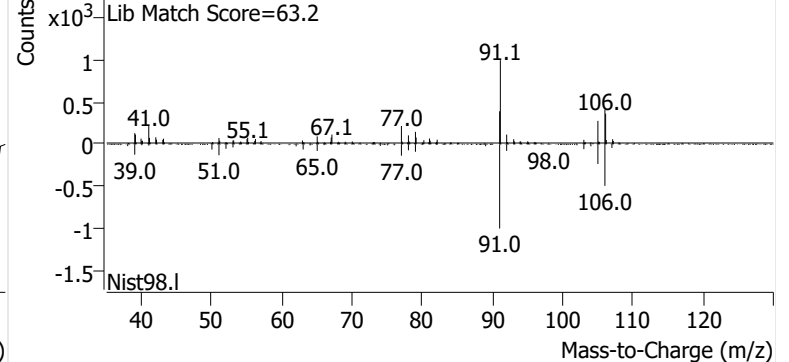


**m-/p-Xylenes**

+ EIC (91.1) Scan E2504629.d

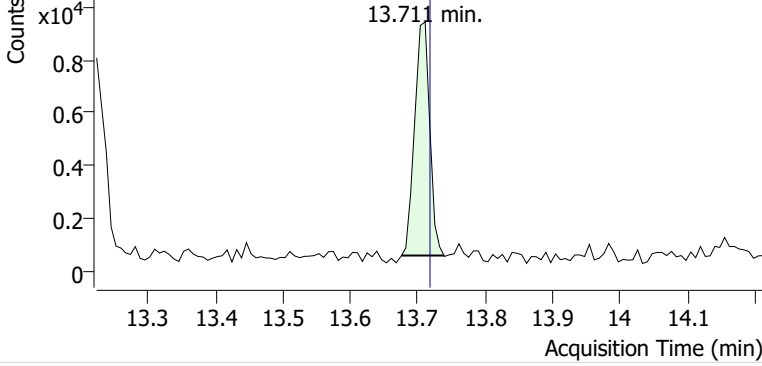


+ Scan (13.174-13.274 min, 14 scans) E2504629.d

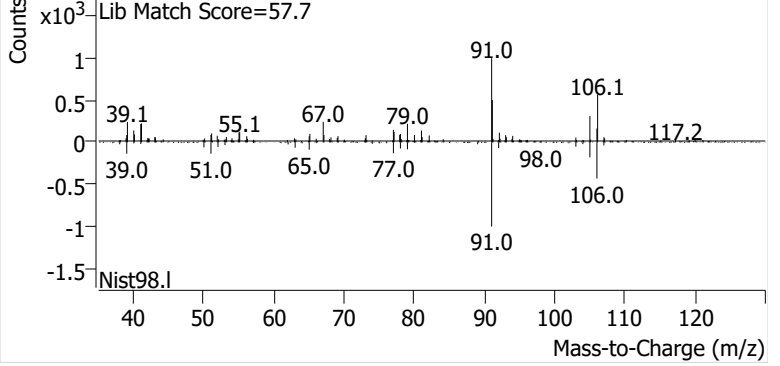


**o-Xylene**

+ EIC (91.1) Scan E2504629.d

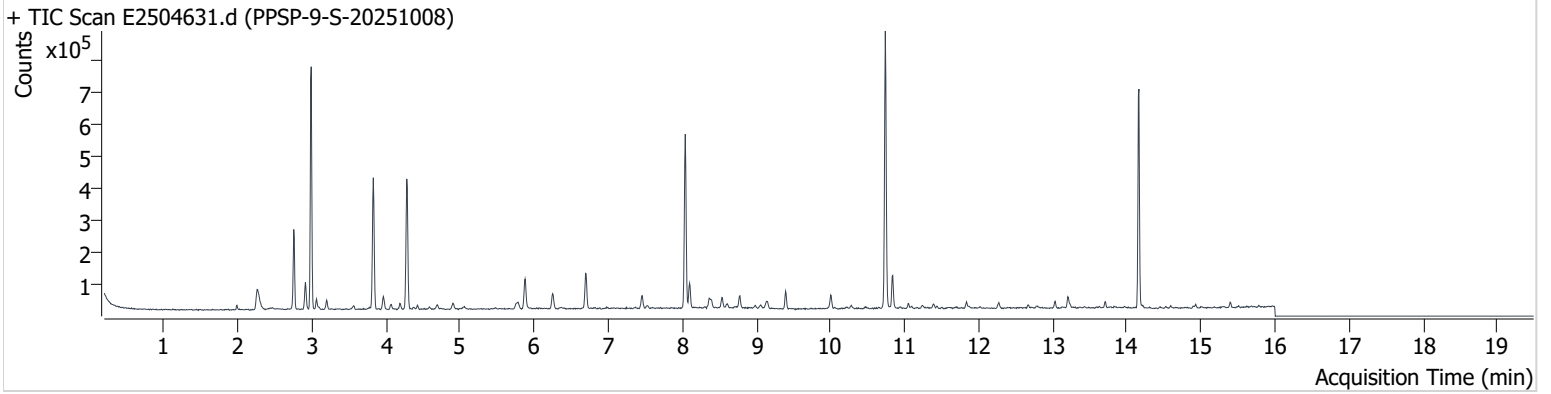


+ Scan (13.676-13.739 min, 8 scans) E2504629.d



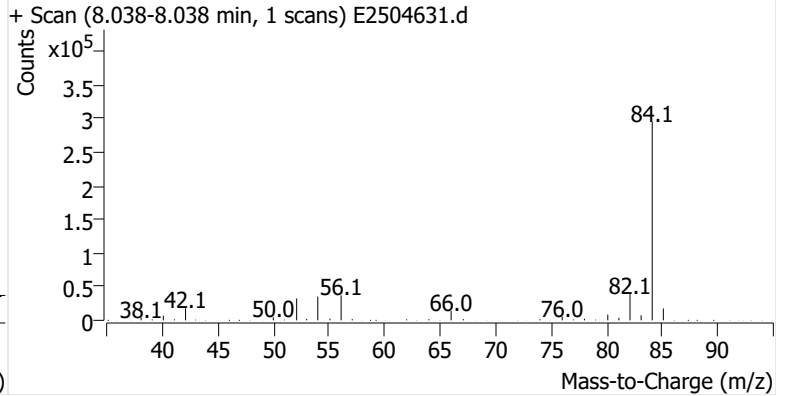
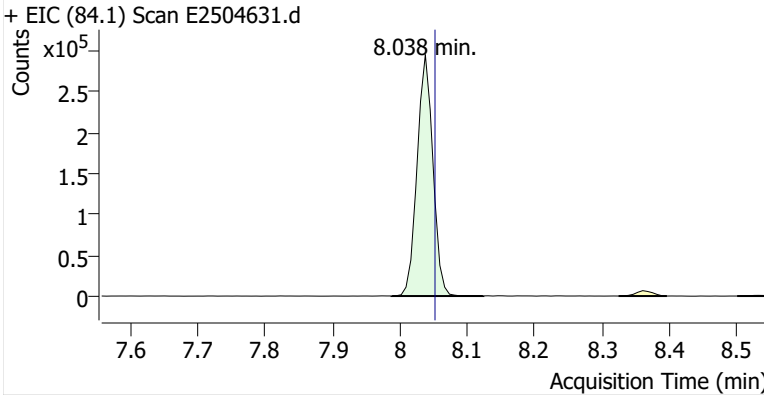
**Name** PPSP-9-S-20251008  
**Comment** B46100  
**Data File** E2504631.d  
**Acq. Date-Time** 10/30/2025 2:03:27 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** CarbopackX  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

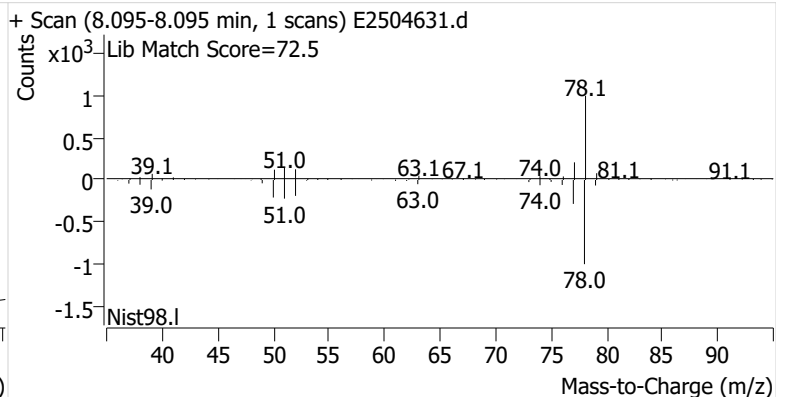
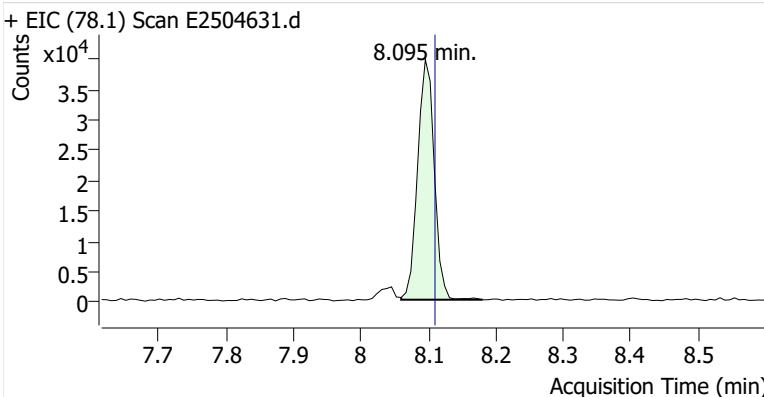


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.038	8.052	480,231	
Benzene	benzene-d6 (IS)	8.095	8.110	67,863	
Toluene-d8 (IS)		10.738	10.753	504,295	
Toluene	Toluene-d8 (IS)	10.832	10.846	64,707	
Ethylbenzene	Toluene-d8 (IS)	13.031	13.038	12,324	
m-/p-Xylenes	Toluene-d8 (IS)	13.203	13.217	23,764	
o-Xylene	Toluene-d8 (IS)	13.704	13.718	9,187	

**benzene-d6 (IS)**

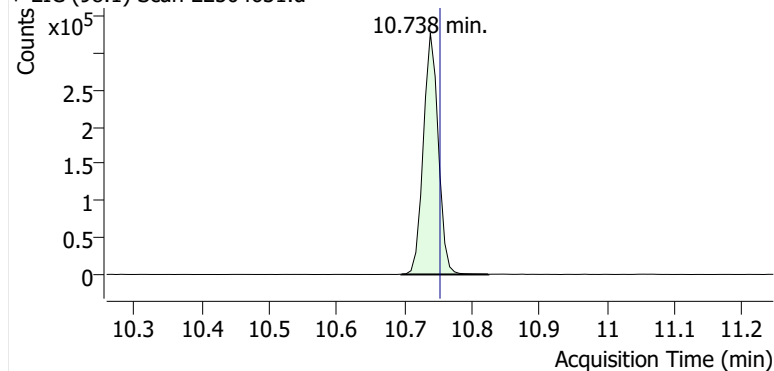


**Benzene**

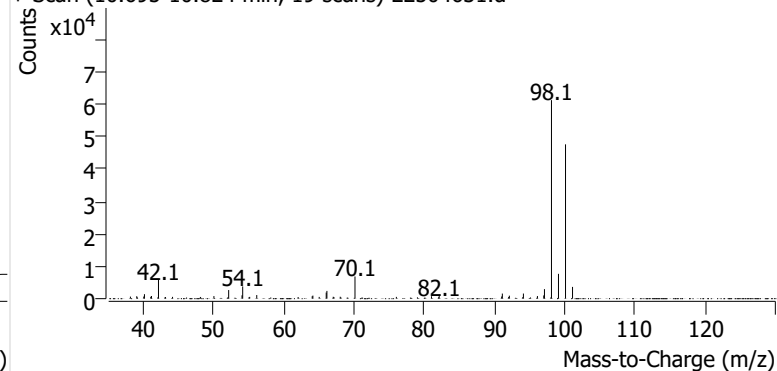


**Toluene-d8 (IS)**

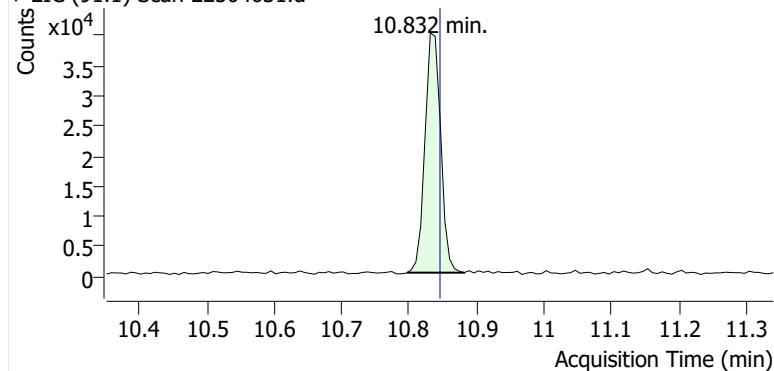
+ EIC (98.1) Scan E2504631.d



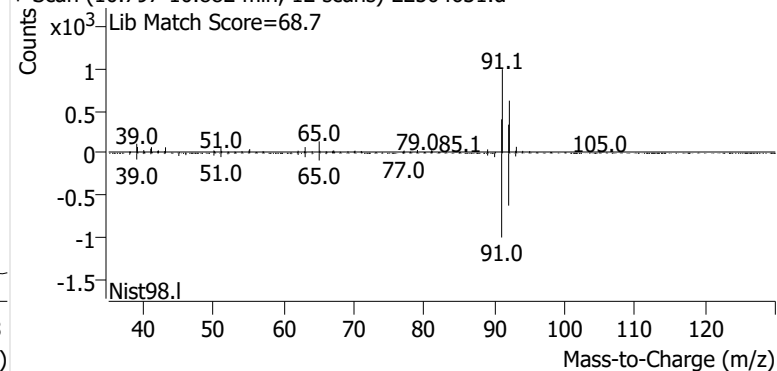
+ Scan (10.695-10.824 min, 19 scans) E2504631.d

**Toluene**

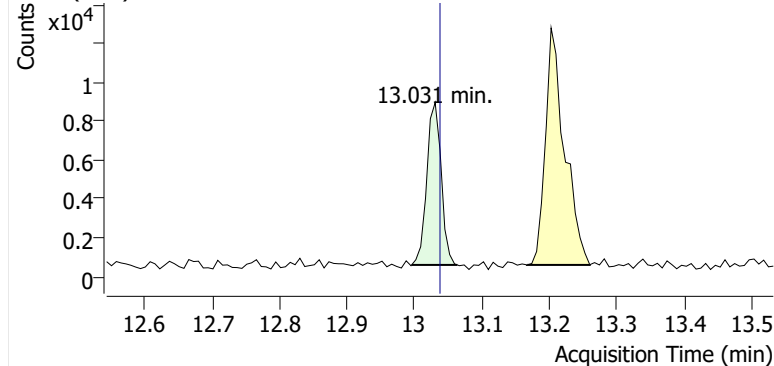
+ EIC (91.1) Scan E2504631.d



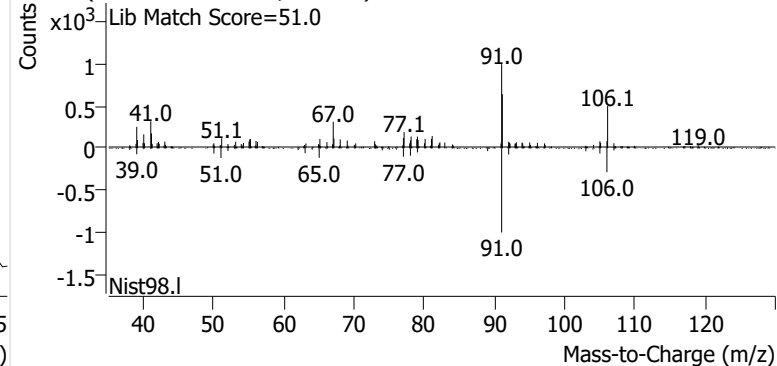
+ Scan (10.797-10.882 min, 12 scans) E2504631.d

**Ethylbenzene**

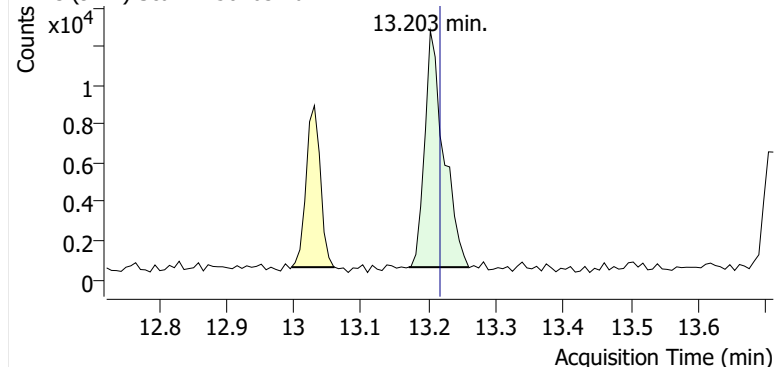
+ EIC (91.1) Scan E2504631.d



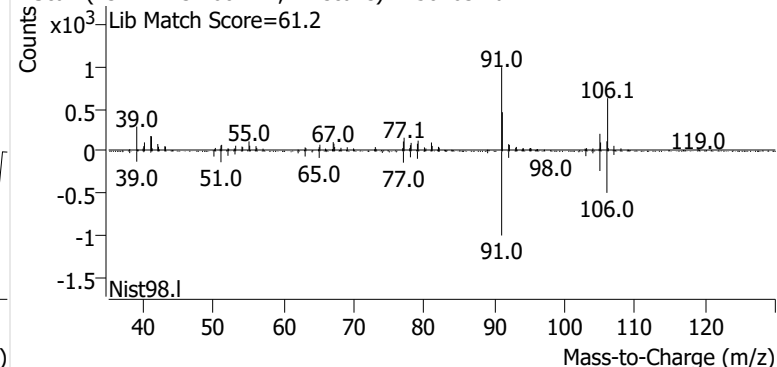
+ Scan (12.996-13.063 min, 9 scans) E2504631.d

**m-/p-Xylenes**

+ EIC (91.1) Scan E2504631.d

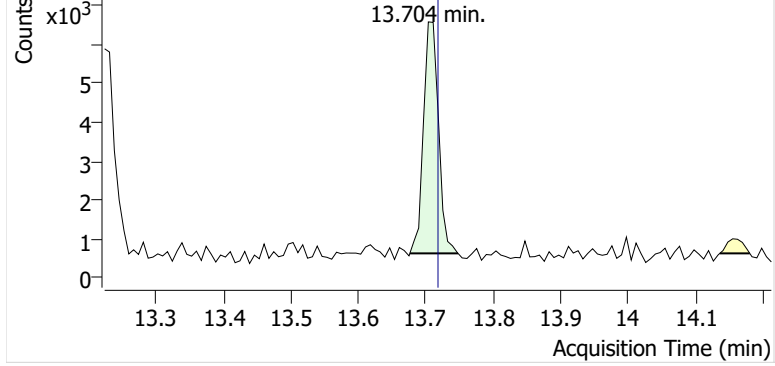


+ Scan (13.171-13.260 min, 12 scans) E2504631.d

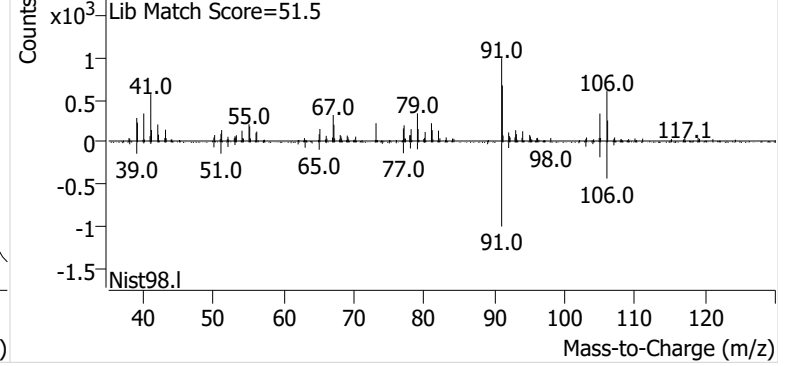


**o-Xylene**

+ EIC (91.1) Scan E2504631.d

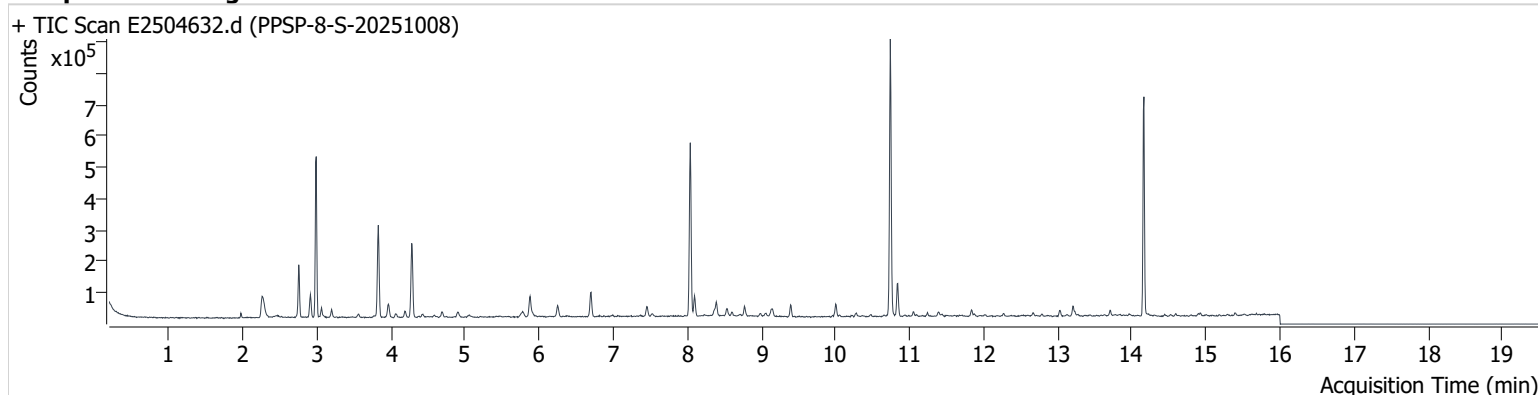


+ Scan (13.677-13.748 min, 10 scans) E2504631.d



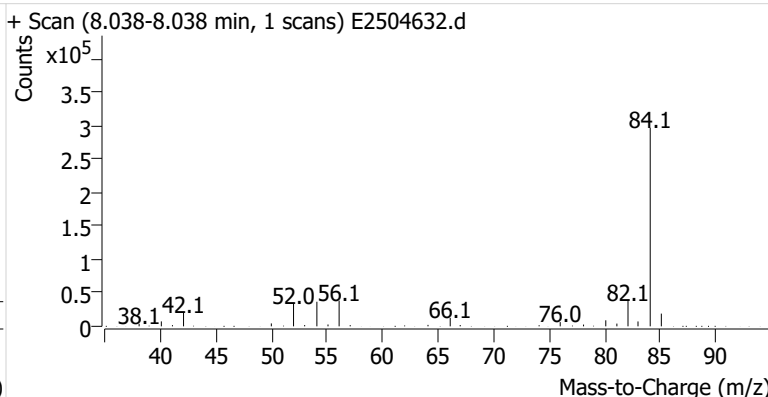
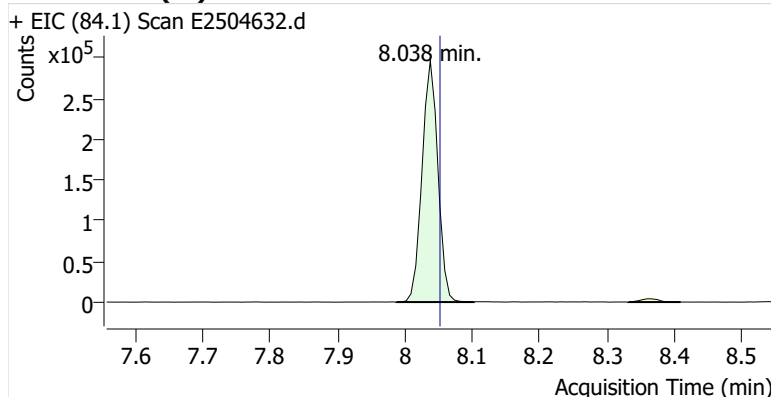
**Name** PPSP-8-S-20251008  
**Comment** C24171  
**Data File** E2504632.d  
**Acq. Date-Time** 10/30/2025 2:29:11 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** CarbopackX  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

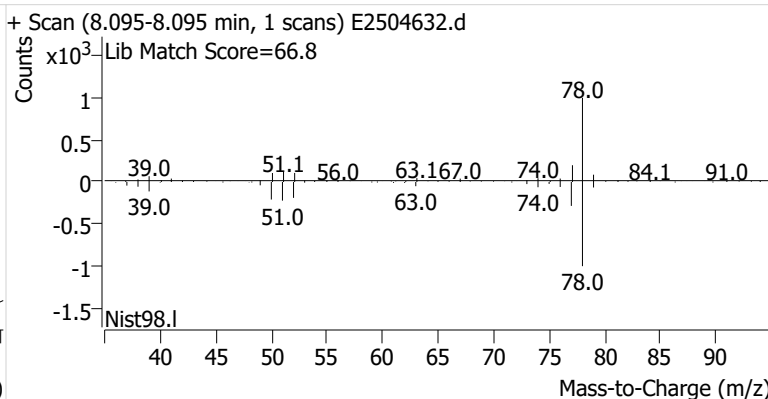
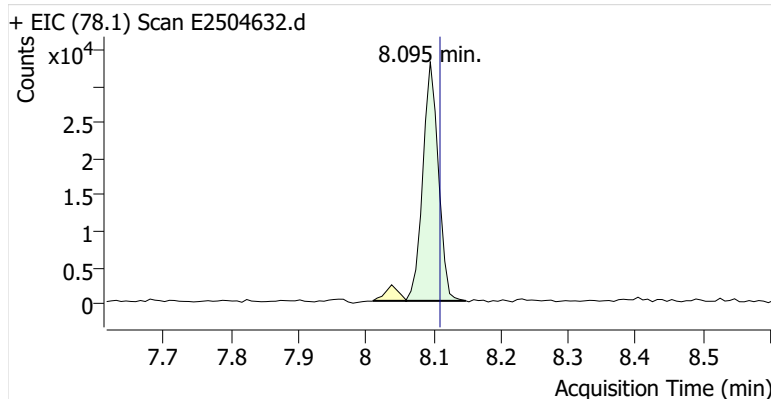


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.038	8.052	484,786	
Benzene	benzene-d6 (IS)	8.095	8.110	52,936	
Toluene-d8 (IS)		10.738	10.753	507,748	
Toluene	Toluene-d8 (IS)	10.831	10.846	64,105	
Ethylbenzene	Toluene-d8 (IS)	13.031	13.038	12,483	
m-/p-Xylenes	Toluene-d8 (IS)	13.202	13.217	21,632	
o-Xylene	Toluene-d8 (IS)	13.704	13.718	8,389	

**benzene-d6 (IS)**

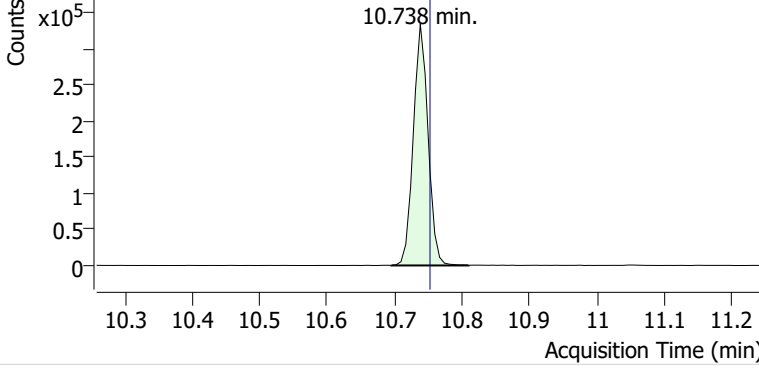


**Benzene**

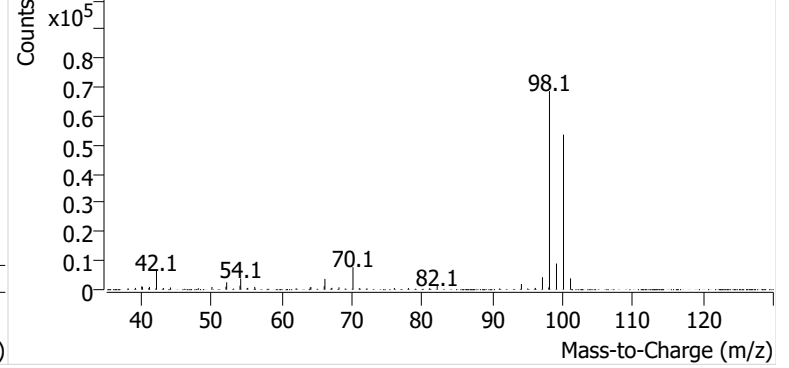


**Toluene-d8 (IS)**

+ EIC (98.1) Scan E2504632.d

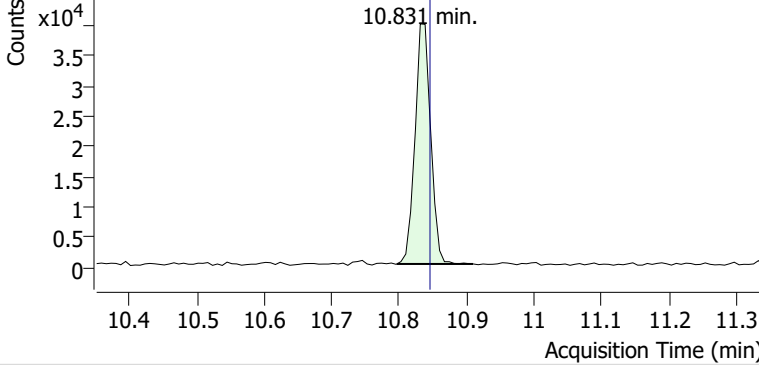


+ Scan (10.695-10.810 min, 17 scans) E2504632.d

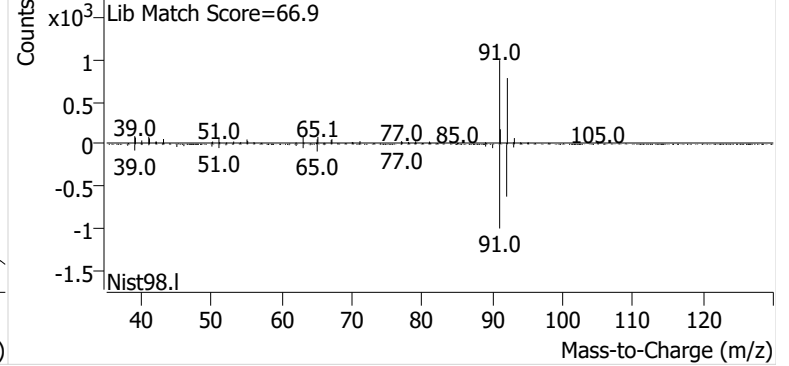


**Toluene**

+ EIC (91.1) Scan E2504632.d

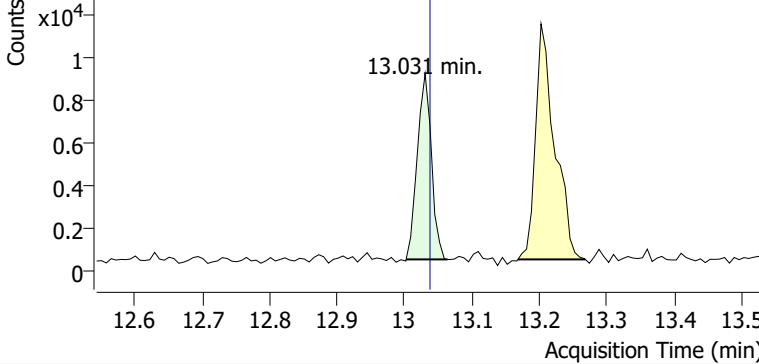


+ Scan (10.797-10.910 min, 15 scans) E2504632.d

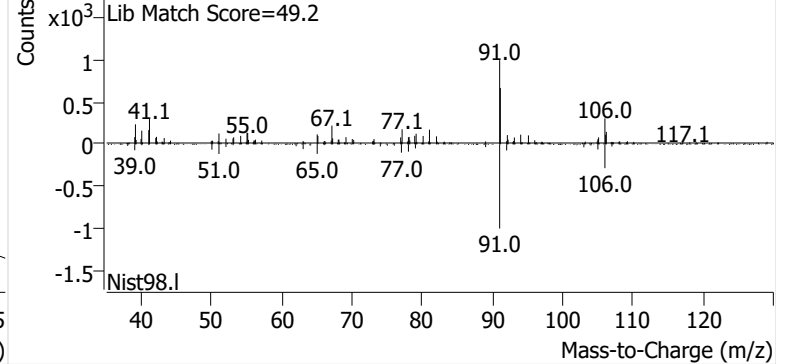


**Ethylbenzene**

+ EIC (91.1) Scan E2504632.d

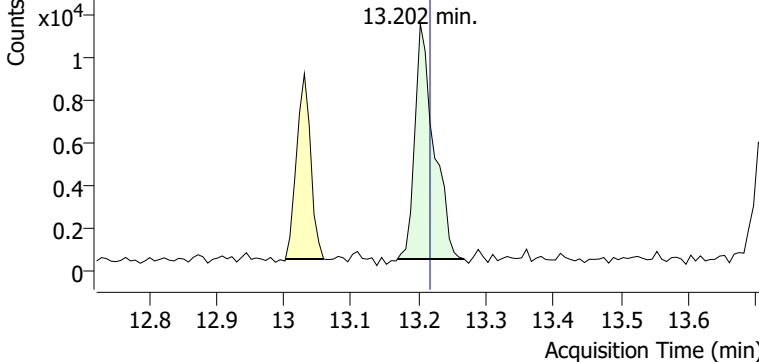


+ Scan (13.002-13.064 min, 8 scans) E2504632.d

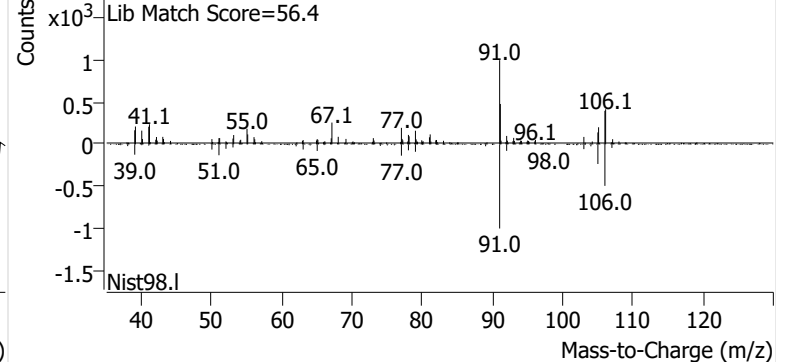


**m-/p-Xylenes**

+ EIC (91.1) Scan E2504632.d

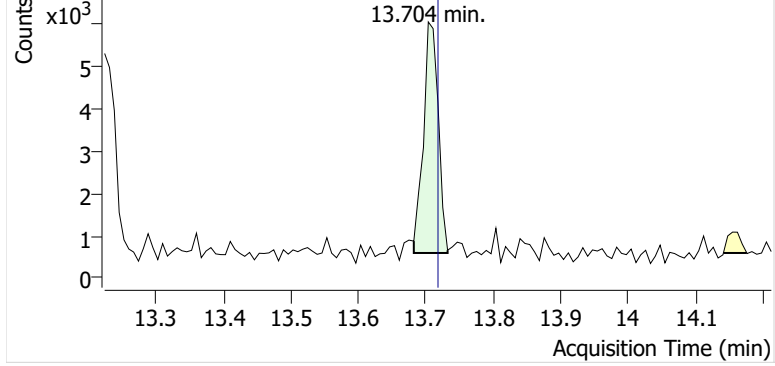


+ Scan (13.169-13.267 min, 14 scans) E2504632.d

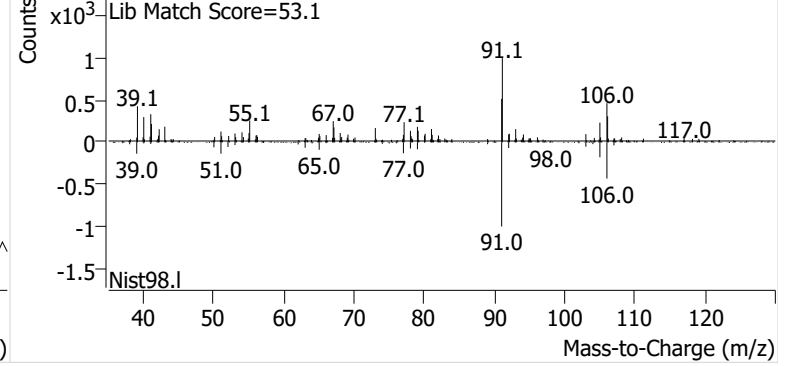


**o-Xylene**

+ EIC (91.1) Scan E2504632.d

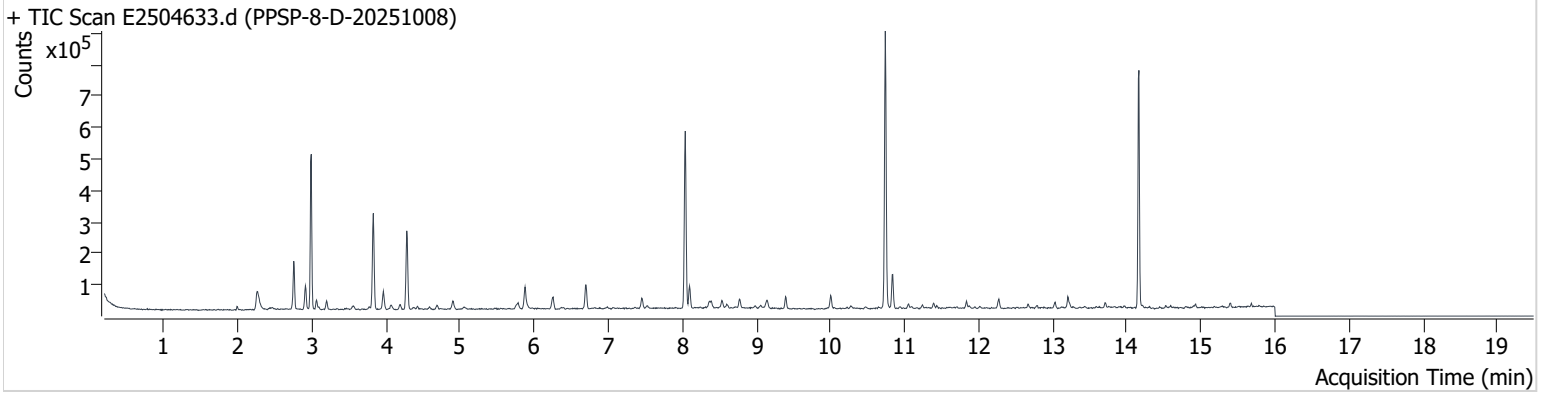


+ Scan (13.682-13.733 min, 8 scans) E2504632.d



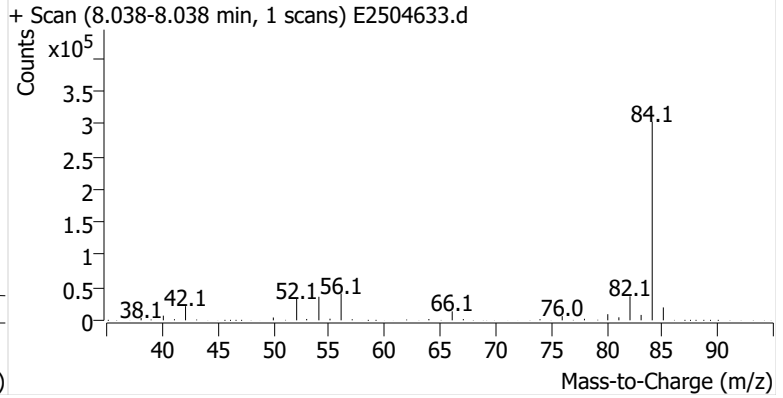
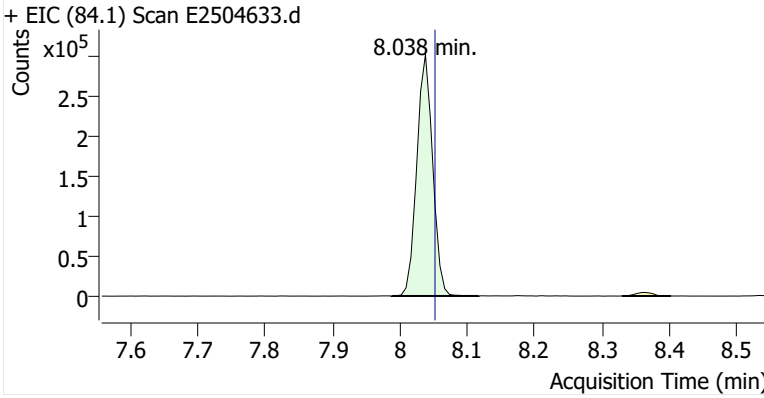
**Name** PPSP-8-D-20251008  
**Comment** C16073  
**Data File** E2504633.d  
**Acq. Date-Time** 10/30/2025 2:54:47 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** CarbopackX  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

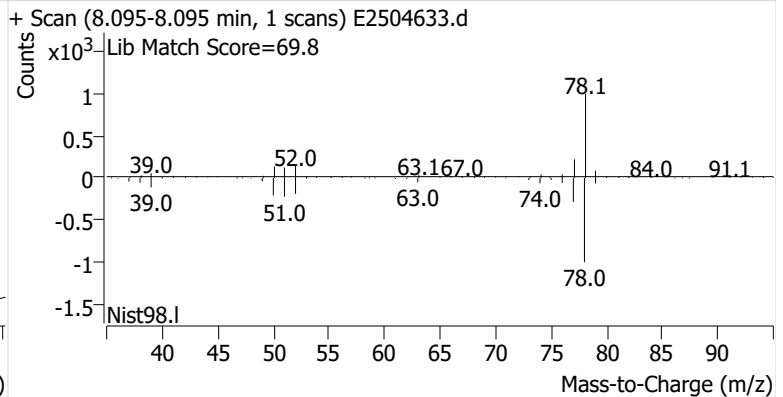
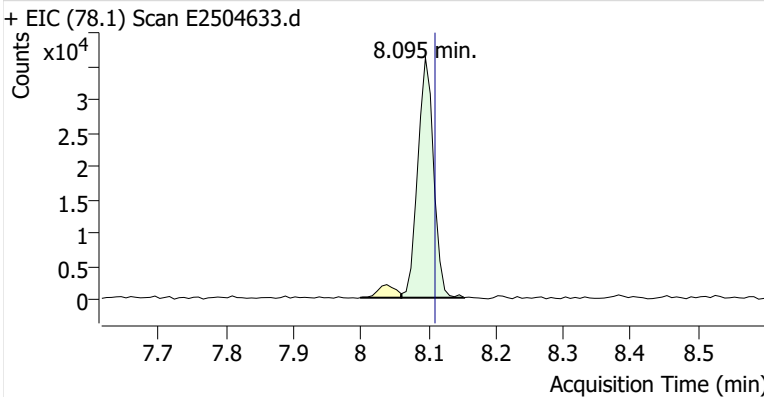


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.038	8.052	494,952	
Benzene	benzene-d6 (IS)	8.095	8.110	58,761	
Toluene-d8 (IS)		10.739	10.753	511,849	
Toluene	Toluene-d8 (IS)	10.839	10.846	67,405	
Ethylbenzene	Toluene-d8 (IS)	13.031	13.038	12,095	
m-/p-Xylenes	Toluene-d8 (IS)	13.203	13.217	22,481	
o-Xylene	Toluene-d8 (IS)	13.704	13.718	8,352	

**benzene-d6 (IS)**

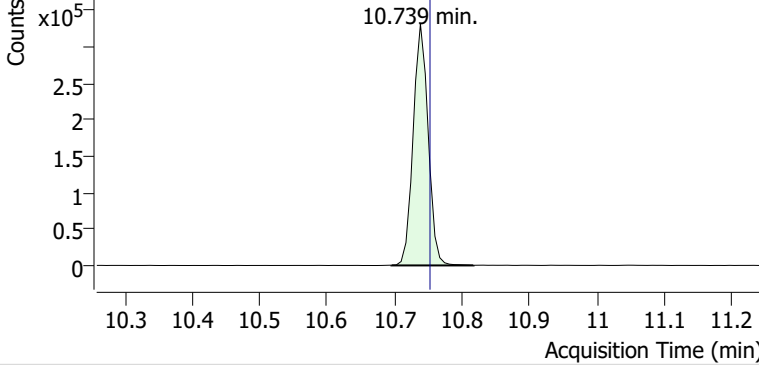


**Benzene**

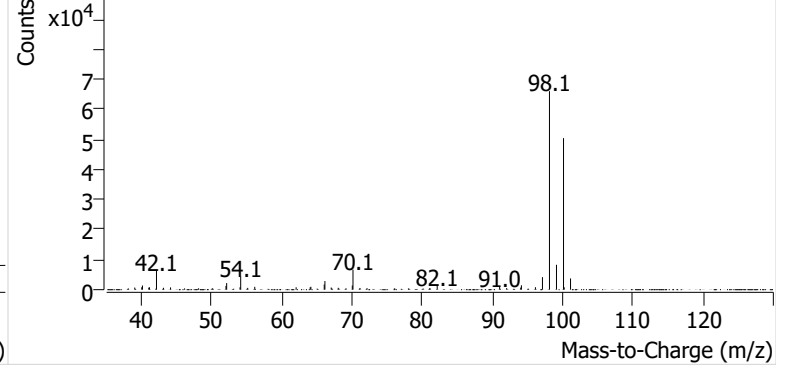


**Toluene-d8 (IS)**

+ EIC (98.1) Scan E2504633.d

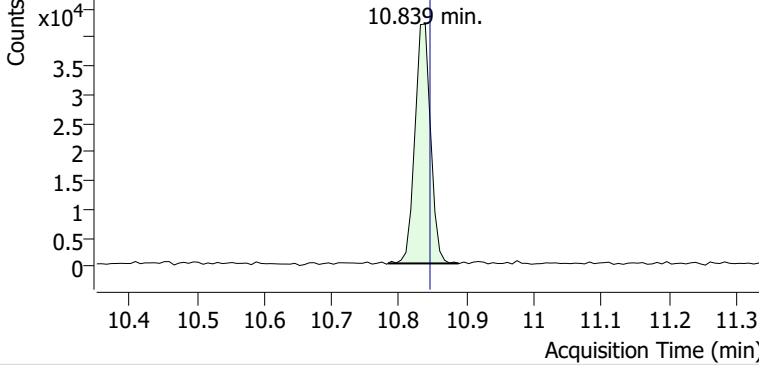


+ Scan (10.696-10.817 min, 18 scans) E2504633.d

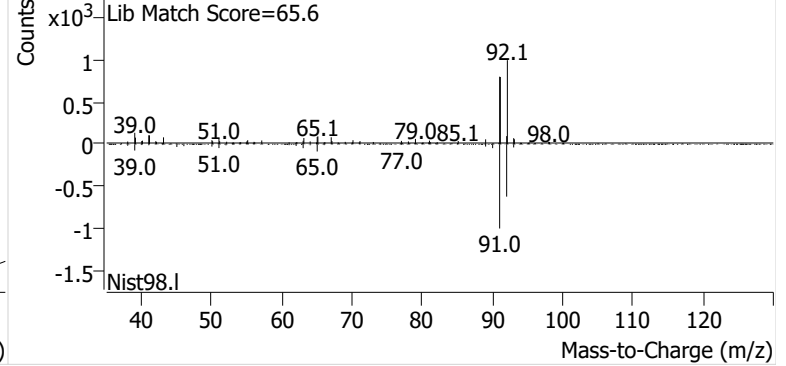


**Toluene**

+ EIC (91.1) Scan E2504633.d

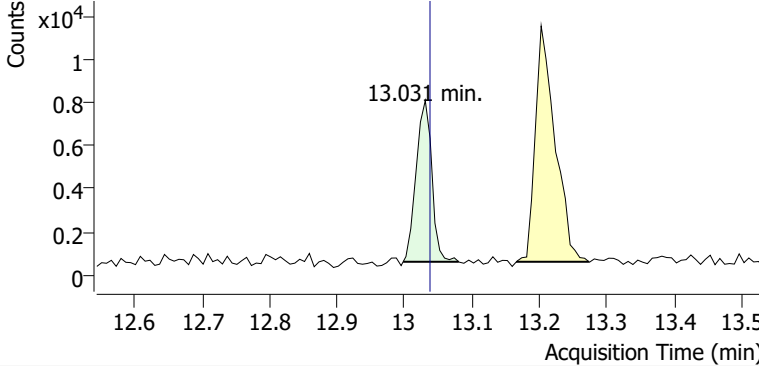


+ Scan (10.784-10.888 min, 14 scans) E2504633.d

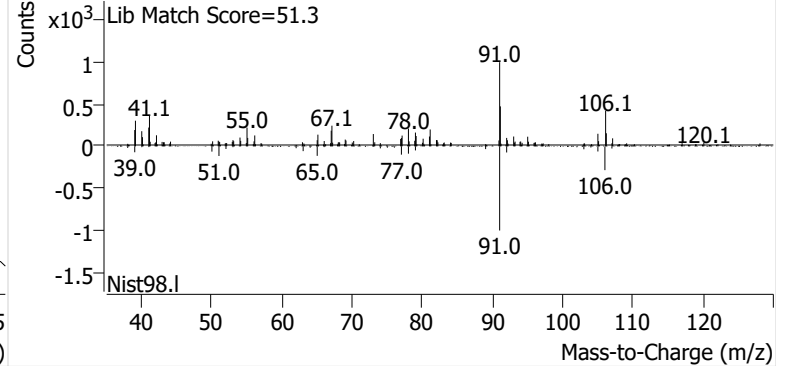


**Ethylbenzene**

+ EIC (91.1) Scan E2504633.d

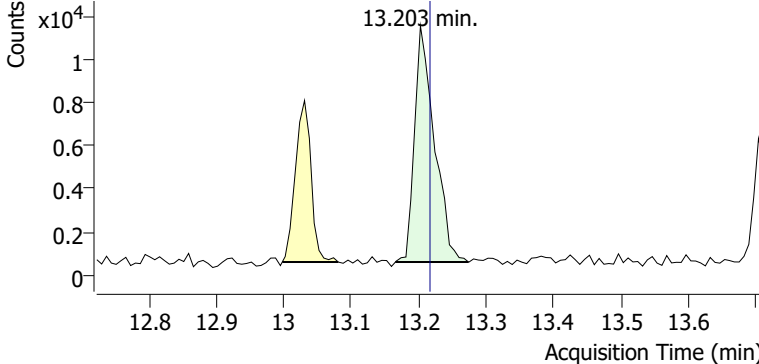


+ Scan (12.998-13.080 min, 11 scans) E2504633.d

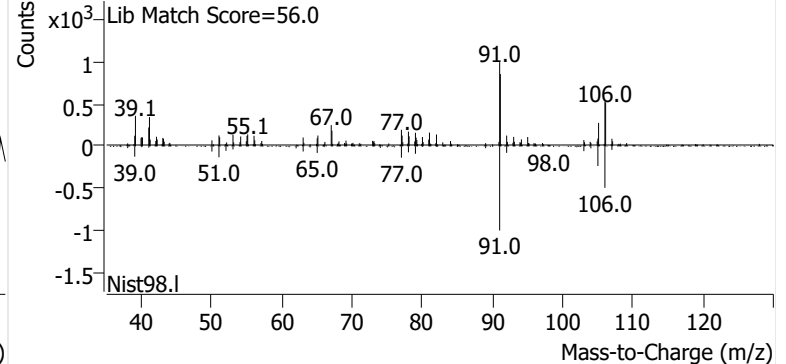


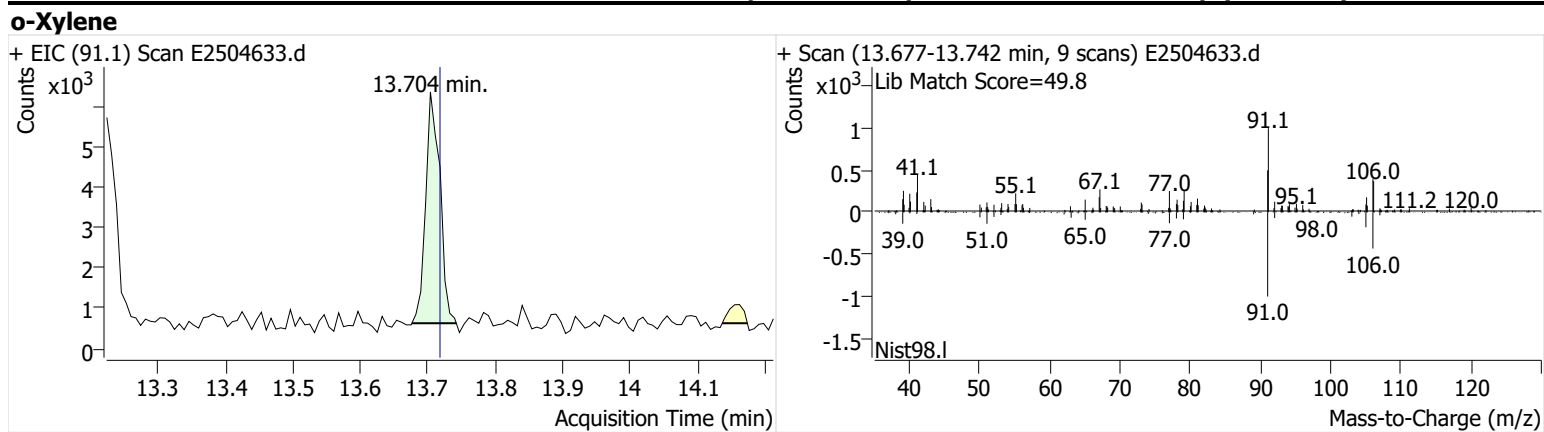
**m-/p-Xylenes**

+ EIC (91.1) Scan E2504633.d



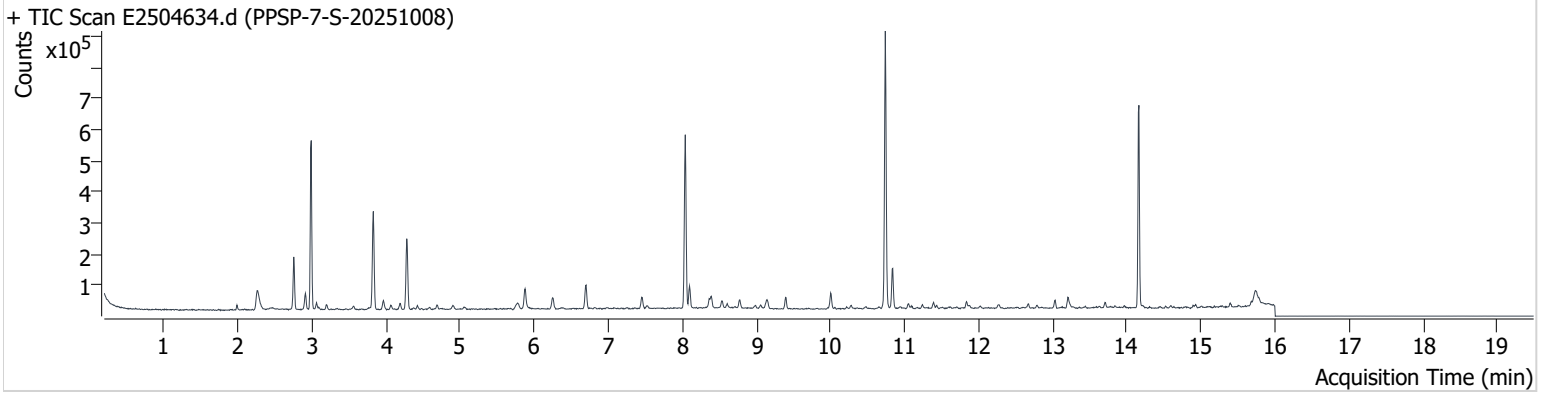
+ Scan (13.167-13.274 min, 15 scans) E2504633.d





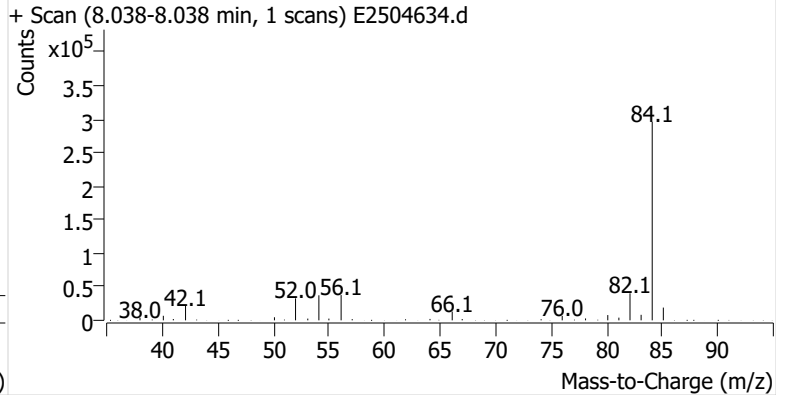
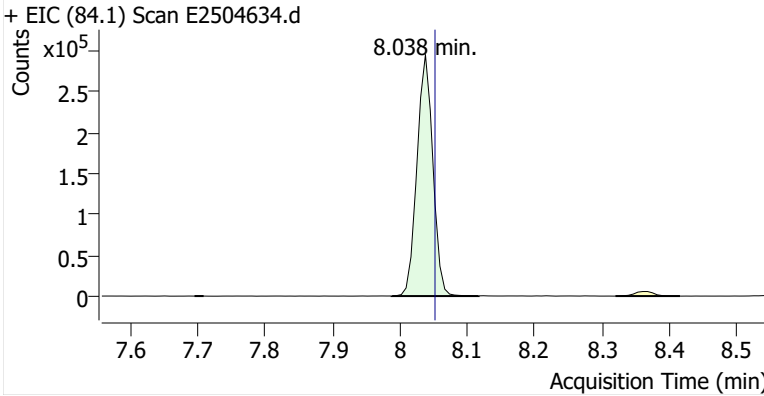
**Name** PPSP-7-S-20251008  
**Comment** C01842  
**Data File** E2504634.d  
**Acq. Date-Time** 10/30/2025 3:20:33 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** CarbopackX  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

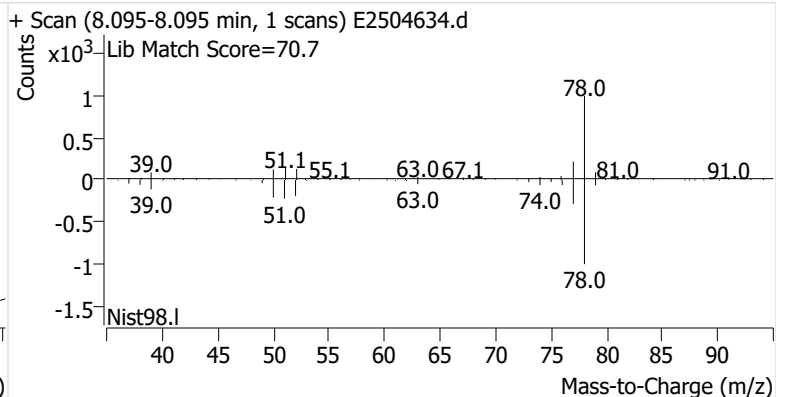
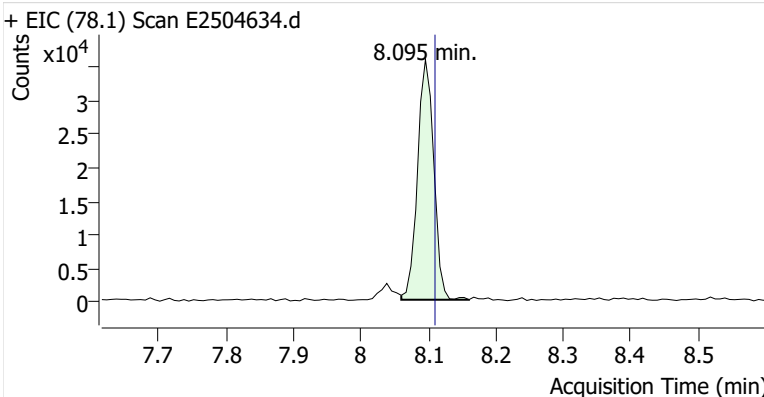


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.038	8.052	484,233	
Benzene	benzene-d6 (IS)	8.095	8.110	59,774	
Toluene-d8 (IS)		10.739	10.753	509,783	
Toluene	Toluene-d8 (IS)	10.832	10.846	78,419	
Ethylbenzene	Toluene-d8 (IS)	13.031	13.038	15,029	
m-/p-Xylenes	Toluene-d8 (IS)	13.203	13.217	23,892	
o-Xylene	Toluene-d8 (IS)	13.704	13.718	9,183	

**benzene-d6 (IS)**

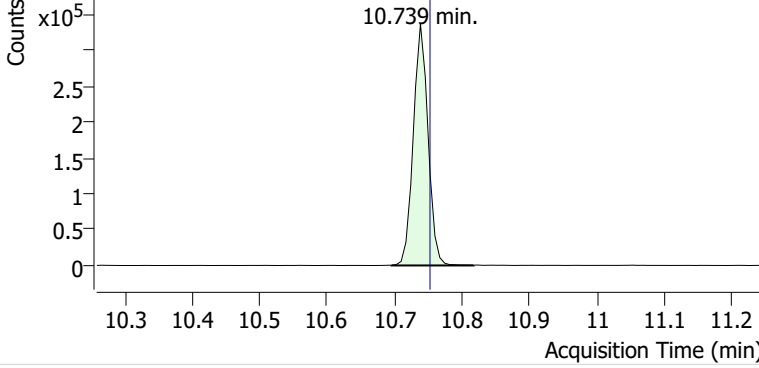


**Benzene**

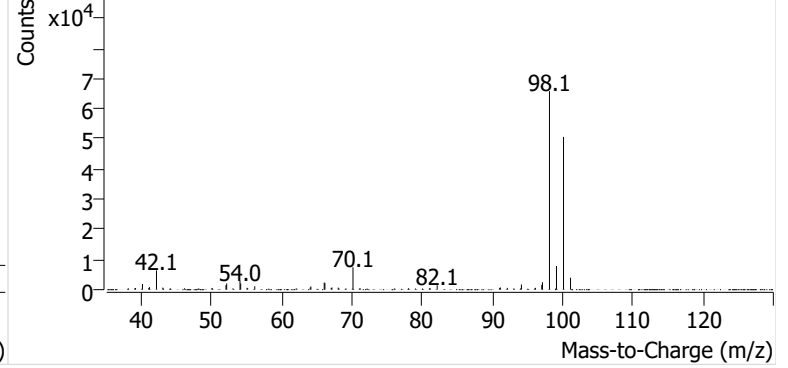


**Toluene-d8 (IS)**

+ EIC (98.1) Scan E2504634.d

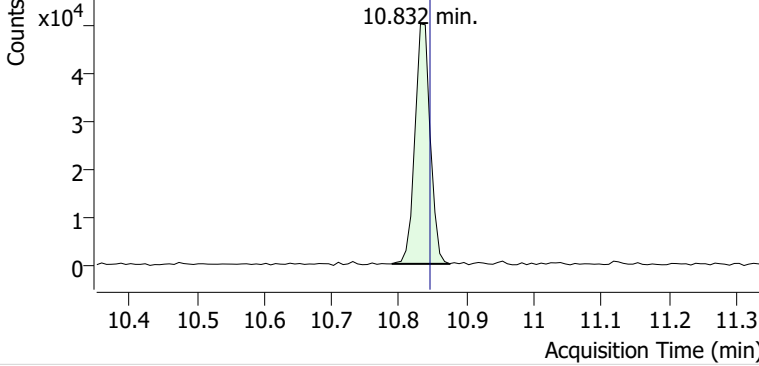


+ Scan (10.696-10.817 min, 18 scans) E2504634.d

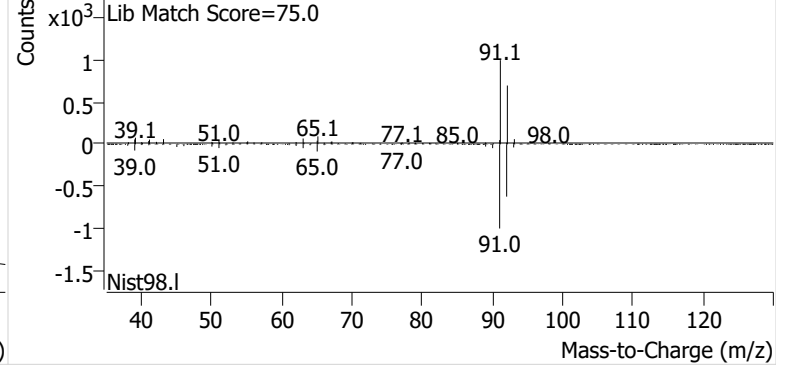


**Toluene**

+ EIC (91.1) Scan E2504634.d

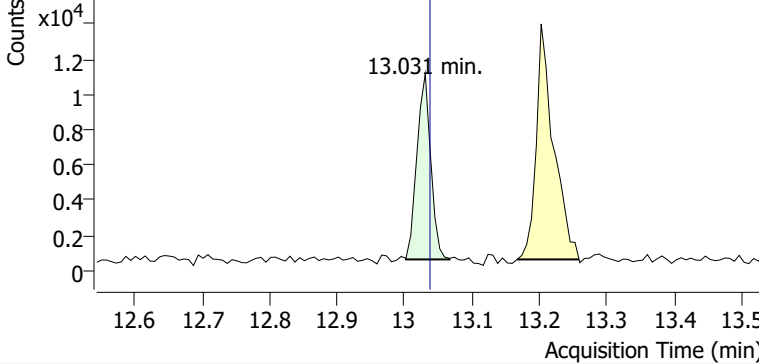


+ Scan (10.789-10.875 min, 12 scans) E2504634.d

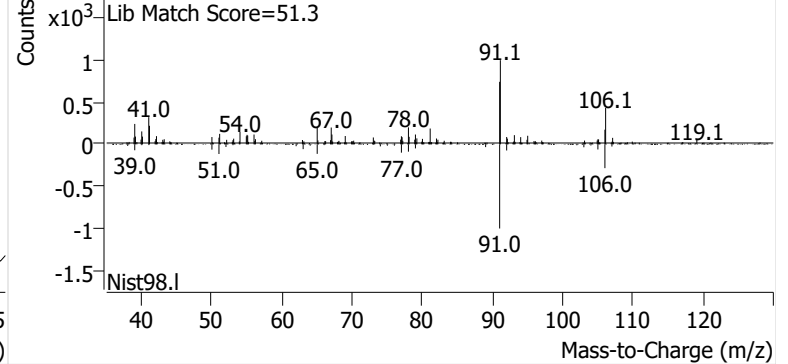


**Ethylbenzene**

+ EIC (91.1) Scan E2504634.d

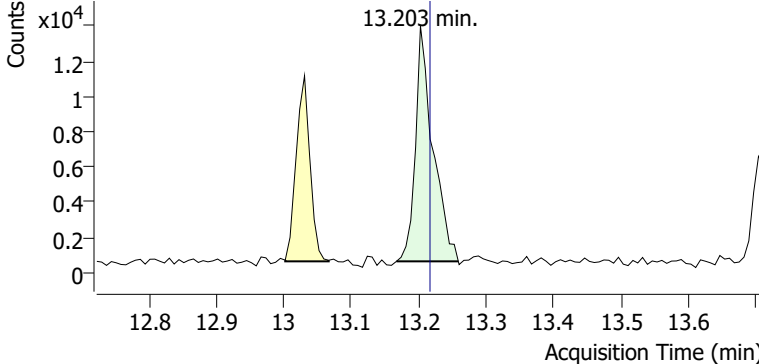


+ Scan (13.002-13.067 min, 10 scans) E2504634.d

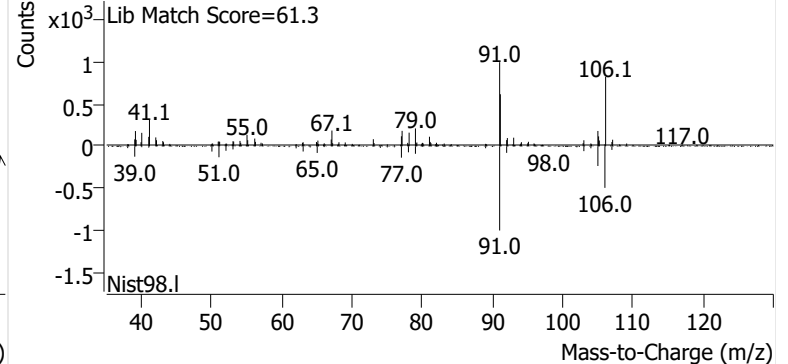


**m-/p-Xylenes**

+ EIC (91.1) Scan E2504634.d

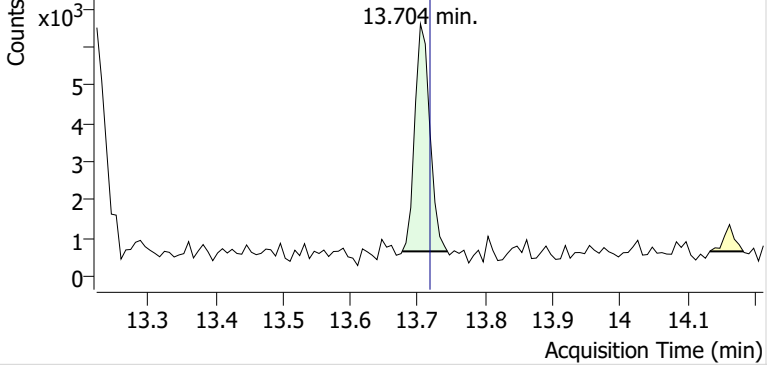


+ Scan (13.167-13.259 min, 12 scans) E2504634.d

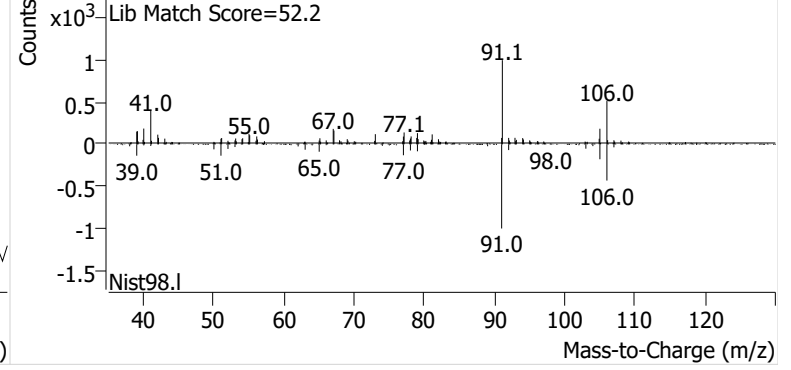


**o-Xylene**

+ EIC (91.1) Scan E2504634.d



+ Scan (13.677-13.744 min, 9 scans) E2504634.d



# Initial Calibration



# Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW402-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

## Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
E050525A_CC252679_QT_CC185154	Benzene	1	E2500043.d	4.94	48593	54.2	531168	1.004	0.14
E050525A_CC252679_QT_CC185154	Benzene	2	E2500044.d	10.06	88289	54.2	525272	0.905	0.032
E050525A_CC252679_QT_CC185154	Benzene	3	E2500045.d	20.12	167722	54.2	519365	0.869	-0.0086
E050525A_CC252679_QT_CC185154	Benzene	4	E2500046.d	40.25	314317	54.2	495891	0.853	-0.027
E050525A_CC252679_QT_CC185154	Benzene	5	E2500047.d	100.62	771973	54.2	516636	0.804	-0.083
E050525A_CC252679_QT_CC185154	Benzene	6	E2500048.d	201.24	1566630	54.2	517234	0.815	-0.07
E050525A_CC252679_QT_CC185154	Benzene	7	E2500049.d	603.73	5084416	54.2	514456	0.887	0.011
E050525A_CC252679_QT_CC185154	Benzene	QT		120.51		54.2			
						Avg:	517146	0.877	
						%RSD:	2.1%	7.6%	
E050525A_CC252679_QT_CC185154	Toluene	1	E2500043.d	5.34	57611	63.2	569179	1.198	0.21
E050525A_CC252679_QT_CC185154	Toluene	2	E2500044.d	10.88	96506	63.2	555358	1.009	0.02
E050525A_CC252679_QT_CC185154	Toluene	3	E2500045.d	21.76	183454	63.2	550972	0.967	-0.023
E050525A_CC252679_QT_CC185154	Toluene	4	E2500046.d	43.52	328667	63.2	514484	0.927	-0.063
E050525A_CC252679_QT_CC185154	Toluene	5	E2500047.d	108.80	817722	63.2	541924	0.876	-0.11
E050525A_CC252679_QT_CC185154	Toluene	6	E2500048.d	217.60	1753197	63.2	536168	0.949	-0.04
E050525A_CC252679_QT_CC185154	Toluene	7	E2500049.d	652.80	5564266	63.2	538797	0.999	0.01
E050525A_CC252679_QT_CC185154	Toluene	QT		105.84		63.2			
						Avg:	543840	0.989	
						%RSD:	3.2%	10.3%	
E050525A_CC252679_QT_CC185154	Ethylbenzene	1	E2500043.d	5.13	60169	63.2	569179	1.301	0.089
E050525A_CC252679_QT_CC185154	Ethylbenzene	2	E2500044.d	10.46	105835	63.2	555358	1.151	-0.037
E050525A_CC252679_QT_CC185154	Ethylbenzene	3	E2500045.d	20.92	208215	63.2	550972	1.141	-0.045
E050525A_CC252679_QT_CC185154	Ethylbenzene	4	E2500046.d	41.83	392499	63.2	514484	1.152	-0.036
E050525A_CC252679_QT_CC185154	Ethylbenzene	5	E2500047.d	104.58	995735	63.2	541924	1.110	-0.071
E050525A_CC252679_QT_CC185154	Ethylbenzene	6	E2500048.d	209.16	2327735	63.2	536168	1.311	0.097
E050525A_CC252679_QT_CC185154	Ethylbenzene	7	E2500049.d	627.49	6406466	63.2	538797	1.197	0.0018
E050525A_CC252679_QT_CC185154	Ethylbenzene	QT		110.01		63.2			
						Avg:	543840	1.195	
						%RSD:	3.2%	6.7%	

# Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW402-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

## Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
E050525A_CC252679_QT_CC185154	m-/p-Xylenes	1	E2500043.d	4.85	58394	63.2	569179	1.337	0.29
E050525A_CC252679_QT_CC185154	m-/p-Xylenes	2	E2500044.d	9.88	88399	63.2	555358	1.018	-0.019
E050525A_CC252679_QT_CC185154	m-/p-Xylenes	3	E2500045.d	19.75	172744	63.2	550972	1.003	-0.034
E050525A_CC252679_QT_CC185154	m-/p-Xylenes	4	E2500046.d	39.51	305031	63.2	514484	0.948	-0.086
E050525A_CC252679_QT_CC185154	m-/p-Xylenes	5	E2500047.d	98.77	730099	63.2	541924	0.862	-0.17
E050525A_CC252679_QT_CC185154	m-/p-Xylenes	6	E2500048.d	197.54	1739458	63.2	536168	1.037	-4.1E-05
E050525A_CC252679_QT_CC185154	m-/p-Xylenes	7	E2500049.d	592.63	5345328	63.2	538797	1.057	0.019
E050525A_CC252679_QT_CC185154	m-/p-Xylenes	QT		123.29		63.2			
						Avg:	543840	1.037	
						%RSD:	3.2%	14.2%	
E050525A_CC252679_QT_CC185154	o-Xylene	1	E2500043.d	5.05	50277	63.2	569179	1.104	0.16
E050525A_CC252679_QT_CC185154	o-Xylene	2	E2500044.d	10.30	81187	63.2	555358	0.896	-0.056
E050525A_CC252679_QT_CC185154	o-Xylene	3	E2500045.d	20.60	161444	63.2	550972	0.898	-0.054
E050525A_CC252679_QT_CC185154	o-Xylene	4	E2500046.d	41.21	299918	63.2	514484	0.894	-0.059
E050525A_CC252679_QT_CC185154	o-Xylene	5	E2500047.d	103.02	797704	63.2	541924	0.903	-0.05
E050525A_CC252679_QT_CC185154	o-Xylene	6	E2500048.d	206.03	1692581	63.2	536168	0.968	0.019
E050525A_CC252679_QT_CC185154	o-Xylene	7	E2500049.d	618.10	5206672	63.2	538797	0.988	0.04
E050525A_CC252679_QT_CC185154	o-Xylene	QT		114.65		63.2			
						Avg:	543840	0.950	
						%RSD:	3.2%	8.2%	

## Calibration Curves

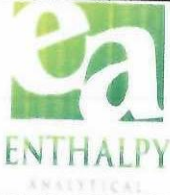
Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
E050525A_CC252679_QT_CC185154	Benzene	ICV	E2500050.d	64.90	531194	54.2	505187	0.878	0.1%
E050525A_CC252679_QT_CC185154	Toluene	ICV	E2500050.d	77.40	626119	63.2	533535	0.958	-3.2%
E050525A_CC252679_QT_CC185154	Ethylbenzene	ICV	E2500050.d	87.14	736386	63.2	533535	1.001	-16.0%
E050525A_CC252679_QT_CC185154	m-/p-Xylenes	ICV	E2500050.d	90.70	588321	63.2	533535	0.768	-26.0%
E050525A_CC252679_QT_CC185154	o-Xylene	ICV	E2500050.d	89.27	625693	63.2	533535	0.830	-13.0%

M325B PDF Report ver.20250917

# Sample Custody



2025FW402



EPA Method 325 A/B  
Field Test Data Sheet and  
Chain of Custody Record

Page # 1 of # 2

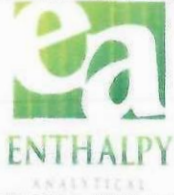
- Standard Turn Around Time (7 business days)
- Rush Turn Around Time
- All TATs Subject to Approval by Enthalpy Analytical, LLC
- Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name:	South Portland Terminal	Client Name:	Portland Pipe Line	PO#:
Site Address:		Project Number:		Sample Event #
City:		Project Manager:	Tom Rolfson	Sorbent:
State:		Email Address:	tom.rolfson@powererg.com	
Zip:		Telephone #:		

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
6	C55512	sample	10/8/25	11:21 AM	10/22/25	1:50 PM	JB / JB		
5	B47883	sample	10/8/25	11:29 AM	10/22/25	2:02 PM	JB / JB		
4	C33294	sample	10/8/25	11:33 AM	10/22/25	2:10 PM	JB / JB		
3	C17194	sample	10/8/25	11:37 AM	10/22/25	2:15 PM	JB / JB		
2	B19256	sample	10/8/25	11:41 AM	10/22/25	2:18 PM	JB / JB		
1	C43238	sample	10/8/25	11:43 AM	10/22/25	2:21 PM	JB / JB		
1	C43220	blank	10/8/25	11:43 AM	10/22/25	2:21 PM	JB / JB		
13	C36869	sample	10/8/25	11:47 AM	10/22/25	2:25 PM	JB / JB		

Relinquished By (printed):	Relinquished By (signature):	Relinquished Date:	Relinquished Time:
<b>Jen Bowidowicz</b>	<i>Jennifer Bowidowicz</i>	10/28/2025	
Received By (printed):	Received By (signature):	Receipt Date:	Receipt Time:
<i>Ryn Flood</i>	<i>Ryn Flood</i>	10/29/25	10am
Sample Condition Upon Receipt:	Compound List:	Custody Seal intact? Y/N:	Delivery tracking #
good	BTEX	Y	
Ice Temp:	Blank Temp:	Add Custody Seal # below:	
	15.8 Fluke 4	24669446	

Comments: Please pull the ambient temp from the KPWM NOAA station. Thank you



# EPA Method 325 A/B Field Test Data Sheet and Chain of Custody Record

Page # 2 of # 2

- Standard Turn Around Time (7 business days)
- Rush Turn Around Time
- All TATs Subject to Approval by Enthalpy Analytical, LLC
- Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name: South Portland Terminal	Client Name: Portland Pipe Line	PO#:
Site Address:	Project Number:	Sample Event #:
City:	Project Manager: Tom Rolfson	Sorbent:
State:	Email Address: <a href="mailto:tom.rolfson@powererg.com">tom.rolfson@powererg.com</a>	
Zip:	Telephone #:	

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
12	C35769	sample	10/8/25	11:51 AM	10/22/25	2:30 PM	JB / JB		
11	C70885	sample	10/8/25	11:55 AM	10/22/25	2:33 PM	JB / JB		
10	B52729	sample	10/8/25	11:59 AM	10/22/25	2:37 PM	JB / JB		
9	B46100	sample	10/8/25	12:02 PM	10/22/25	2:42 PM	JB / JB		
8	C24171	sample	10/8/25	12:07 PM	10/22/25	2:47 PM	JB / JB		
8	C16073	duplicate	10/8/25	12:07 PM	10/22/25	2:47 PM	JB / JB		
7	C01842	sample	10/8/25	12:11 PM	10/22/25	2:52 PM	JB / JB		

Relinquished By (printed): <b>Jen Bowidowicz</b>	Relinquished By (signature): <i>Jennifer Bowidowicz</i>	Relinquished Date: <b>10/28/2025</b>	Relinquished Time:
Received By (printed): <i>Ryan Flood</i>	Received By (signature): <i>Ryan Flood</i>	Receipt Date: <b>10/29/25</b>	Receipt Time: <b>10am</b>
Sample Condition Upon Receipt: <b>good</b>	Compound List: <b>BTEX</b>	Custody Seal intact? Y/N: <b>Y</b>	Delivery tracking #
Ice Temp:	Blank Temp: <b>15.8</b>	Add Custody Seal # below: <b>24609446</b>	
Comments: <p style="text-align: center;"><b>Please pull the ambient temp from the KPWM NOAA station. Thank you</b></p>			

**This Is The Last Page  
Of This Report.**



# Portland Pipeline - S Portland, ME

303 U.S. Route One  
Freeport, ME 04032

## Portland Pipeline - S Portland, ME

Samples Received: 11/12/2025

### Analytical Report 2025FW403

### EPA Method 325B Analysis

Report Issue Date: 11/21/2025

I certify that to the best of my knowledge all analytical data presented in this report have been checked for completeness, accuracy, errors and legibility in addition to having been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s). This report shall not be reproduced except in full without approval of the laboratory. This will provide assurance that parts of the report are not taken out of context.

Amendment(s):

Signature:



QA Review by Kelley Fitzgerald, Report Writer



Matt Cavanaugh  
Matthew.Cavanaugh@enthalpy.com / www.enthalpy.com  
O: (919) 850-4392  
Enthalpy Analytical  
800 Capitola Drive Suite 1 Durham, NC 27713

# Table of Contents

Case Narrative .....	3
Results .....	6
Summary of Results .....	7
Detailed Results .....	8
QC Data .....	11
Chromatograms .....	14
Initial Calibration .....	63
Sample Custody .....	66
Chain of Custody .....	67

# Narrative Summary



# Enthalpy Analytical Narrative Summary

Company	Power Engineers, Inc.
Job No.	2025FW403-1
Client ID.	Site: Portland Pipeline - S Portland, ME

## 1. Custody

The samples were received at Enthalpy Analytical on November 12, 2025 at 14.5 °C. The samples were received in good condition. Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, LLC

**Table 1 - Sample Inventory**

Sample ID	Tube ID	Sample Type
PPSP-6-S-20251022	C61444	Sample
PPSP-5-S-20251022	B50779	Sample
PPSP-4-S-20251022	C69743	Sample
PPSP-3-S-20251022	B50636	Sample
PPSP-2-S-20251022	C00558	Sample
PPSP-1-S-20251022	C59934	Sample
PPSP-1-B-20251022	C43929	Blank
PPSP-13-S-20251022	C43886	Sample
PPSP-12-S-20251022	C01880	Sample
PPSP-11-S-20251022	C65324	Sample
PPSP-10-S-20251022	C56940	Sample
PPSP-9-S-20251022	B43873	Sample
PPSP-8-S-20251022	B43078	Sample
PPSP-8-D-20251022	C57143	Duplicate
PPSP-7-S-20251022	B53270	Sample

## 2. Analysis

The samples were analyzed for Benzene, Toluene, Ethylbenzene, m-/p-Xylenes, and o-Xylene using EPA Method 325B – Volatile Organic Compounds from Fugitive and Area Sources by Thermal Desorption and GC/MS. A copy of the acquisition method M325B-TD35 is not included in this report but may be available upon request.

The sample tube media used for this sampling period was CarbopackX. All calibration standards and laboratory QC were prepared using the same media.

## 3. Calibration

All BFB tune criteria have been met for this analysis.

The initial calibration (P111225A\_CC185154) met all 30% RSD criteria. The initial calibration verification met  $\pm 30\%$  recovery criteria. The continuing calibration verifications met 30% difference criteria. The initial and continuing calibration raw data are not included in this report but are available upon request.

# Enthalpy Analytical Narrative Summary

Company	Power Engineers, Inc.
Job No.	2025FW403-1
Client ID.	Site: Portland Pipeline - S Portland, ME

## 5. QC Notes

All quality control criteria required by the method and/or the laboratory SOP have been met unless noted otherwise below.

## 6. Reporting Notes

All tubes used for this sampling period met the method criteria for number of uses; no tube exceeded 50 field uses.

As specified in EPA Method 325B, the response factor of the daily continuing calibration standard was used to quantitate all field samples and blanks.

All samples were reported as amount in ng catch, and concentration in ug/m<sup>3</sup> and ppbv.

The results presented in this report are representative of the samples as provided to the laboratory. These analyses met the requirements of the TNI Standard. Any deviations from the requirements of the reference method or TNI Standard have been stated above.

Enthalpy Analytical, located at 800 Capitola Drive, Suite 1, Durham NC, 27713 is accredited by the Louisiana Department of Environmental Quality (LDEQ) for EPA Method 325B for all analytes included in this report under **Certificate Number 04010**.

# Results

# Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW403-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

## Summary

Sample Code	Tube ID	Benzene		Toluene		Ethylbenzene		m-/p-Xylenes		o-Xylene	
		(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag
PPSP-6-S-20251022	C61444	0.445	J	0.757		ND		0.581	J		ND
PPSP-5-S-20251022	B50779	0.425	J	0.748		ND		0.525	J		ND
PPSP-4-S-20251022	C69743	0.476		0.737		ND		0.550	J		ND
PPSP-3-S-20251022	B50636	0.485		0.726		ND		0.408	J		ND
PPSP-2-S-20251022	C00558	1.04		0.989		ND		0.432	J		ND
PPSP-1-S-20251022	C59934	1.99		1.76		ND		0.671	J		ND
PPSP-1-B-20251022	C43929		ND		ND	ND			ND		ND
PPSP-13-S-20251022	C43886	0.968		0.979		ND		0.437	J		ND
PPSP-12-S-20251022	C01880	0.835		0.820		ND		0.315	J		ND
PPSP-11-S-20251022	C65324	1.56		1.48		ND		0.523	J		ND
PPSP-10-S-20251022	C56940	0.681		0.847		ND		0.425	J		ND
PPSP-9-S-20251022	B43873	0.590		0.834		ND		0.445	J		ND
PPSP-8-S-20251022	B43078	0.487		0.737		ND		0.457	J		ND
PPSP-8-D-20251022	C57143	0.490		0.783		ND		0.545	J		ND
PPSP-7-S-20251022	B53270	0.512		0.859		ND		0.515	J		ND

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit

ND: The analyte was not present above the Method Detection Limit

# Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW403-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

## Benzene

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20251022	C61444	0.445	0.139	5.79	46.2	0.651	20020	0.192	0.460	0.0601	0.144	J	P2506995.D	2025-11-13 16:58	1.041	8.391	43801	656294	90.3	8.337	-13.9%
PPSP-5-S-20251022	B50779	0.425	0.133	5.54	46.2	0.650	20013	0.192	0.460	0.0601	0.144	J	P2506996.D	2025-11-13 17:36	1.041	8.391	40658	637101	90.3	8.337	-16.4%
PPSP-4-S-20251022	C69743	0.476	0.149	6.19	46.2	0.650	20009	0.192	0.460	0.0602	0.144		P2506997.D	2025-11-13 18:13	1.041	8.396	47099	659991	90.3	8.343	-13.4%
PPSP-3-S-20251022	B50636	0.485	0.152	6.32	46.2	0.650	20008	0.192	0.460	0.0602	0.144		P2506998.D	2025-11-13 18:50	1.041	8.396	45980	631492	90.3	8.343	-17.2%
PPSP-2-S-20251022	C00558	1.04	0.326	13.5	46.2	0.650	20008	0.192	0.460	0.0602	0.144		P2506999.D	2025-11-13 19:28	1.041	8.391	97491	624260	90.3	8.337	-18.1%
PPSP-1-S-20251022	C59934	1.99	0.624	25.9	46.2	0.650	20009	0.192	0.460	0.0602	0.144		P2507000.D	2025-11-13 20:05	1.041	8.396	179110	599347	90.3	8.343	-21.4%
PPSP-1-B-20251022	C43929				46.2	0.650	20009	0.192	0.460	0.0602	0.144	ND	P2506994.D	2025-11-13 16:21	1.041	8.337	6547	699083	90.3	8.343	-8.3%
PPSP-13-S-20251022	C43886	0.968	0.303	12.6	46.2	0.650	20008	0.192	0.460	0.0602	0.144		P2507001.D	2025-11-13 20:42	1.041	8.396	85346	587347	90.3	8.337	-23.0%
PPSP-12-S-20251022	C01880	0.835	0.261	10.9	46.2	0.650	20007	0.192	0.460	0.0602	0.144		P2507002.D	2025-11-13 21:20	1.041	8.391	74667	596227	90.3	8.337	-21.8%
PPSP-11-S-20251022	C65324	1.56	0.489	20.3	46.2	0.650	20007	0.192	0.460	0.0602	0.144		P2507003.D	2025-11-13 21:57	1.041	8.391	127779	545239	90.3	8.337	-28.5%
PPSP-10-S-20251022	C56940	0.681	0.213	8.87	46.2	0.650	20007	0.192	0.460	0.0602	0.144		P2507004.D	2025-11-13 22:34	1.041	8.391	56558	553176	90.3	8.331	-27.4%
PPSP-9-S-20251022	B43873	0.590	0.185	7.67	46.2	0.650	20005	0.192	0.460	0.0602	0.144		P2507006.D	2025-11-13 23:49	1.041	8.390	49330	557764	90.3	8.337	-26.8%
PPSP-8-S-20251022	B43078	0.487	0.153	6.34	46.2	0.650	20003	0.192	0.460	0.0602	0.144		P2507007.D	2025-11-14 00:26	1.041	8.391	41149	562760	90.3	8.337	-26.2%
PPSP-8-D-20251022	C57143	0.490	0.153	6.37	46.2	0.650	20003	0.192	0.460	0.0602	0.144		P2507008.D	2025-11-14 01:04	1.041	8.397	40111	546067	90.3	8.331	-28.4%
PPSP-7-S-20251022	B53270	0.512	0.160	6.67	46.2	0.650	20002	0.192	0.460	0.0602	0.144		P2507009.D	2025-11-14 01:41	1.041	8.391	41734	542981	90.3	8.337	-28.8%

## Toluene

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20251022	C61444	0.757	0.201	7.65	46.2	0.505	20020	0.247	0.520	0.0657	0.138		P2506995.D	2025-11-13 16:58	1.134	10.996	59385	720589	105.3	10.901	-14.4%
PPSP-5-S-20251022	B50779	0.748	0.199	7.55	46.2	0.505	20013	0.247	0.520	0.0657	0.138		P2506996.D	2025-11-13 17:36	1.134	10.996	56959	699857	105.3	10.901	-16.8%
PPSP-4-S-20251022	C69743	0.737	0.196	7.44	46.2	0.505	20009	0.247	0.520	0.0657	0.138		P2506997.D	2025-11-13 18:13	1.134	10.996	56543	705161	105.3	10.907	-16.2%
PPSP-3-S-20251022	B50636	0.726	0.193	7.34	46.2	0.505	20008	0.247	0.520	0.0657	0.138		P2506998.D	2025-11-13 18:50	1.134	10.996	55005	695718	105.3	10.907	-17.3%
PPSP-2-S-20251022	C00558	0.989	0.263	9.99	46.2	0.505	20008	0.247	0.520	0.0657	0.138		P2506999.D	2025-11-13 19:28	1.134	10.996	74391	690987	105.3	10.901	-17.9%
PPSP-1-S-20251022	C59934	1.76	0.468	17.8	46.2	0.505	20009	0.247	0.520	0.0657	0.138		P2507000.D	2025-11-13 20:05	1.134	10.996	125808	655807	105.3	10.901	-22.1%
PPSP-1-B-20251022	C43929				46.2	0.505	20009	0.247	0.520	0.0657	0.138	ND	P2506994.D	2025-11-13 16:21	1.134	11.002	4560	770748	105.3	10.907	-8.4%
PPSP-13-S-20251022	C43886	0.979	0.260	9.89	46.2	0.505	20008	0.247	0.520	0.0657	0.138		P2507001.D	2025-11-13 20:42	1.134	10.990	66955	628185	105.3	10.901	-25.3%
PPSP-12-S-20251022	C01880	0.820	0.218	8.28	46.2	0.505	20007	0.248	0.520	0.0657	0.138		P2507002.D	2025-11-13 21:20	1.134	10.996	57689	646567	105.3	10.901	-23.2%
PPSP-11-S-20251022	C65324	1.48	0.392	14.9	46.2	0.505	20007	0.248	0.520	0.0657	0.138		P2507003.D	2025-11-13 21:57	1.134	10.990	95769	596522	105.3	10.901	-29.1%
PPSP-10-S-20251022	C56940	0.847	0.225	8.55	46.2	0.505	20007	0.248	0.520	0.0657	0.138		P2507004.D	2025-11-13 22:34	1.134	10.996	55756	605233	105.3	10.901	-28.1%
PPSP-9-S-20251022	B43873	0.834	0.222	8.43	46.2	0.505	20005	0.248	0.521	0.0657	0.138		P2507006.D	2025-11-13 23:49	1.134	10.990	54633	601834	105.3	10.901	-28.5%
PPSP-8-S-20251022	B43078	0.737	0.196	7.45	46.2	0.505	20003	0.248	0.521	0.0657	0.138		P2507007.D	2025-11-14 00:26	1.134	10.996	48426	603525	105.3	10.901	-28.3%
PPSP-8-D-20251022	C57143	0.783	0.208	7.91	46.2	0.505	20003	0.248	0.521	0.0657	0.138		P2507008.D	2025-11-14 01:04	1.134	10.996	50009	586842	105.3	10.901	-30.2%
PPSP-7-S-20251022	B53270	0.859	0.228	8.67	46.2	0.505	20002	0.248	0.521	0.0657	0.138		P2507009.D	2025-11-14 01:41	1.134	10.996	55575	594776	105.3	10.901	-29.3%

## Ethylbenzene

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20251022	C61444				46.2	0.447	20020	0.280	0.611	0.0644	0.141	ND	P2506995.D	2025-11-13 16:58	1.199	13.133	11579	720589	105.3	10.901	-14.4%
PPSP-5-S-20251022	B50779				46.2	0.447	20013	0.280	0.611	0.0645	0.141	ND	P2506996.D	2025-11-13 17:36	1.199	13.127	13665	699857	105.3	10.901	-16.8%
PPSP-4-S-20251022	C69743				46.2	0.447	20009	0.280	0.611	0.0645	0.141	ND	P2506997.D	2025-11-13 18:13	1.199	13.127	12261	705161	105.3	10.907	-16.2%

# Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW403-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

## Ethylbenzene

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-3-S-20251022	B50636				46.2	0.447	20008	0.280	0.611	0.0645	0.141	ND	P2506998.D	2025-11-13 18:50	1.199	13.127	12994	695718	105.3	10.907	-17.3%
PPSP-2-S-20251022	C00558				46.2	0.447	20008	0.280	0.611	0.0645	0.141	ND	P2506999.D	2025-11-13 19:28	1.199	13.127	10357	690987	105.3	10.901	-17.9%
PPSP-1-S-20251022	C59934				46.2	0.447	20009	0.280	0.611	0.0645	0.141	ND	P2507000.D	2025-11-13 20:05	1.199	13.127	12899	655807	105.3	10.901	-22.1%
PPSP-1-B-20251022	C43929				46.2	0.447	20009	0.280	0.611	0.0645	0.141	ND	P2506994.D	2025-11-13 16:21	1.199	13.133	767	770748	105.3	10.907	-8.4%
PPSP-13-S-20251022	C43886				46.2	0.447	20008	0.280	0.611	0.0645	0.141	ND	P2507001.D	2025-11-13 20:42	1.199	13.121	8705	628185	105.3	10.901	-25.3%
PPSP-12-S-20251022	C01880				46.2	0.447	20007	0.280	0.611	0.0645	0.141	ND	P2507002.D	2025-11-13 21:20	1.199	13.121	8068	646567	105.3	10.901	-23.2%
PPSP-11-S-20251022	C65324				46.2	0.447	20007	0.280	0.611	0.0645	0.141	ND	P2507003.D	2025-11-13 21:57	1.199	13.121	10884	596522	105.3	10.901	-29.1%
PPSP-10-S-20251022	C56940				46.2	0.447	20007	0.280	0.611	0.0645	0.141	ND	P2507004.D	2025-11-13 22:34	1.199	13.121	8952	605233	105.3	10.901	-28.1%
PPSP-9-S-20251022	B43873				46.2	0.447	20005	0.280	0.612	0.0645	0.141	ND	P2507006.D	2025-11-13 23:49	1.199	13.121	11888	601834	105.3	10.901	-28.5%
PPSP-8-S-20251022	B43078				46.2	0.447	20003	0.280	0.612	0.0645	0.141	ND	P2507007.D	2025-11-14 00:26	1.199	13.121	9746	603525	105.3	10.901	-28.3%
PPSP-8-D-20251022	C57143				46.2	0.447	20003	0.280	0.612	0.0645	0.141	ND	P2507008.D	2025-11-14 01:04	1.199	13.121	9524	586842	105.3	10.901	-30.2%
PPSP-7-S-20251022	B53270				46.2	0.447	20002	0.280	0.612	0.0645	0.141	ND	P2507009.D	2025-11-14 01:41	1.199	13.121	11728	594776	105.3	10.901	-29.3%

## m-/p-Xylenes

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20251022	C61444	0.581	0.134	5.20	46.2	0.447	20020	0.280	0.685	0.0644	0.158	J	P2506995.D	2025-11-13 16:58	0.957	13.299	34037	720589	105.3	10.901	-14.4%
PPSP-5-S-20251022	B50779	0.525	0.121	4.69	46.2	0.447	20013	0.280	0.685	0.0645	0.158	J	P2506996.D	2025-11-13 17:36	0.957	13.299	29832	699857	105.3	10.901	-16.8%
PPSP-4-S-20251022	C69743	0.550	0.127	4.92	46.2	0.447	20009	0.280	0.685	0.0645	0.158	J	P2506997.D	2025-11-13 18:13	0.957	13.305	31504	705161	105.3	10.907	-16.2%
PPSP-3-S-20251022	B50636	0.408	0.0940	3.65	46.2	0.447	20008	0.280	0.685	0.0645	0.158	J	P2506998.D	2025-11-13 18:50	0.957	13.299	23051	695718	105.3	10.907	-17.3%
PPSP-2-S-20251022	C00558	0.432	0.0995	3.86	46.2	0.447	20008	0.280	0.685	0.0645	0.158	J	P2506999.D	2025-11-13 19:28	0.957	13.299	24226	690987	105.3	10.901	-17.9%
PPSP-1-S-20251022	C59934	0.671	0.155	6.00	46.2	0.447	20009	0.280	0.685	0.0645	0.158	J	P2507000.D	2025-11-13 20:05	0.957	13.299	35731	655807	105.3	10.901	-22.1%
PPSP-1-B-20251022	C43929				46.2	0.447	20009	0.280	0.685	0.0645	0.158	ND	P2506994.D	2025-11-13 16:21	0.957	13.133	0	770748	105.3	10.907	-8.4%
PPSP-13-S-20251022	C43886	0.437	0.101	3.91	46.2	0.447	20008	0.280	0.685	0.0645	0.158	J	P2507001.D	2025-11-13 20:42	0.957	13.299	22311	628185	105.3	10.901	-25.3%
PPSP-12-S-20251022	C01880	0.315	0.0725	2.81	46.2	0.447	20007	0.280	0.685	0.0645	0.158	J	P2507002.D	2025-11-13 21:20	0.957	13.305	16523	646567	105.3	10.901	-23.2%
PPSP-11-S-20251022	C65324	0.523	0.120	4.67	46.2	0.447	20007	0.280	0.685	0.0645	0.158	J	P2507003.D	2025-11-13 21:57	0.957	13.293	25311	596522	105.3	10.901	-29.1%
PPSP-10-S-20251022	C56940	0.425	0.0980	3.80	46.2	0.447	20007	0.280	0.685	0.0645	0.158	J	P2507004.D	2025-11-13 22:34	0.957	13.293	20906	605233	105.3	10.901	-28.1%
PPSP-9-S-20251022	B43873	0.445	0.103	3.98	46.2	0.447	20005	0.280	0.685	0.0645	0.158	J	P2507006.D	2025-11-13 23:49	0.957	13.293	21768	601834	105.3	10.901	-28.5%
PPSP-8-S-20251022	B43078	0.457	0.105	4.09	46.2	0.447	20003	0.280	0.685	0.0645	0.158	J	P2507007.D	2025-11-14 00:26	0.957	13.299	22411	603525	105.3	10.901	-28.3%
PPSP-8-D-20251022	C57143	0.545	0.126	4.87	46.2	0.447	20003	0.280	0.685	0.0645	0.158	J	P2507008.D	2025-11-14 01:04	0.957	13.299	25979	586842	105.3	10.901	-30.2%
PPSP-7-S-20251022	B53270	0.515	0.119	4.60	46.2	0.447	20002	0.280	0.685	0.0645	0.158	J	P2507009.D	2025-11-14 01:41	0.957	13.299	24858	594776	105.3	10.901	-29.3%

## o-Xylene

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20251022	C61444				46.2	0.447	20020	0.280	0.637	0.0644	0.147	ND	P2506995.D	2025-11-13 16:58	1.015	13.792	11938	720589	105.3	10.901	-14.4%
PPSP-5-S-20251022	B50779				46.2	0.447	20013	0.280	0.637	0.0645	0.147	ND	P2506996.D	2025-11-13 17:36	1.015	13.792	10490	699857	105.3	10.901	-16.8%
PPSP-4-S-20251022	C69743				46.2	0.447	20009	0.280	0.637	0.0645	0.147	ND	P2506997.D	2025-11-13 18:13	1.015	13.792	11485	705161	105.3	10.907	-16.2%
PPSP-3-S-20251022	B50636				46.2	0.447	20008	0.280	0.637	0.0645	0.147	ND	P2506998.D	2025-11-13 18:50	1.015	13.792	8836	695718	105.3	10.907	-17.3%
PPSP-2-S-20251022	C00558				46.2	0.447	20008	0.280	0.637	0.0645	0.147	ND	P2506999.D	2025-11-13 19:28	1.015	13.792	8629	690987	105.3	10.901	-17.9%
PPSP-1-S-20251022	C59934				46.2	0.447	20009	0.280	0.637	0.0645	0.147	ND	P2507000.D	2025-11-13 20:05	1.015	13.786	10914	655807	105.3	10.901	-22.1%

# Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW403-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

## o-Xylene

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-1-B-20251022	C43929				46.2	0.447	20009	0.280	0.637	0.0645	0.147	ND	P2506994.D	2025-11-13 16:21	1.015	13.542	0	770748	105.3	10.907	-8.4%
PPSP-13-S-20251022	C43886				46.2	0.447	20008	0.280	0.637	0.0645	0.147	ND	P2507001.D	2025-11-13 20:42	1.015	13.786	7323	628185	105.3	10.901	-25.3%
PPSP-12-S-20251022	C01880				46.2	0.447	20007	0.280	0.637	0.0645	0.147	ND	P2507002.D	2025-11-13 21:20	1.015	13.786	6390	646567	105.3	10.901	-23.2%
PPSP-11-S-20251022	C65324				46.2	0.447	20007	0.280	0.637	0.0645	0.147	ND	P2507003.D	2025-11-13 21:57	1.015	13.792	9067	596522	105.3	10.901	-29.1%
PPSP-10-S-20251022	C56940				46.2	0.447	20007	0.280	0.637	0.0645	0.147	ND	P2507004.D	2025-11-13 22:34	1.015	13.792	7868	605233	105.3	10.901	-28.1%
PPSP-9-S-20251022	B43873				46.2	0.447	20005	0.280	0.637	0.0645	0.147	ND	P2507006.D	2025-11-13 23:49	1.015	13.786	9186	601834	105.3	10.901	-28.5%
PPSP-8-S-20251022	B43078				46.2	0.447	20003	0.280	0.637	0.0645	0.147	ND	P2507007.D	2025-11-14 00:26	1.015	13.786	8217	603525	105.3	10.901	-28.3%
PPSP-8-D-20251022	C57143				46.2	0.447	20003	0.280	0.637	0.0645	0.147	ND	P2507008.D	2025-11-14 01:04	1.015	13.792	10131	586842	105.3	10.901	-30.2%
PPSP-7-S-20251022	B53270				46.2	0.447	20002	0.280	0.638	0.0645	0.147	ND	P2507009.D	2025-11-14 01:41	1.015	13.786	8547	594776	105.3	10.901	-29.3%

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit

ND: The analyte was not present above the Method Detection Limit

# QC Data



## Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW403-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

### QC Samples

Field Sample Type	Sample Code	Benzene		Toluene		Ethylbenzene		m-/p-Xylenes		o-Xylene	
Blanks (ug/m <sup>3</sup> )	PPSP-1-B-20251022	ND	Pass	ND	Pass	ND	Pass	ND	Pass	ND	Pass
Duplicates (difference)	PPSP-8-D-20251022	0.45%	Pass	6.0%	Pass	ND	Pass	18%	Pass	ND	Pass

## Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW403-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

### Benzene Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	P2506992.D	B51004	Cal	1.041		1.041	-1.9%	-4.7%		Pass	
2025FW403 Method Blank-1	P2506993.D	C37466	Blank			1.041			-2.7%	Pass	ND
M325B CCV 5	P2507005.D	C20505	Check	1.040		1.041	-2.0%		-27%	Pass	
M325B CCV 5	P2507013.D	C73566	Check	1.032		1.041	-2.7%		-31%	Pass	

### Toluene Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	P2506992.D	B51004	Cal	1.134		1.134	2.0%	-5.0%		Pass	
2025FW403 Method Blank-1	P2506993.D	C37466	Blank			1.134			-4.9%	Pass	ND
M325B CCV 5	P2507005.D	C20505	Check	1.168		1.134	5.0%		-28%	Pass	
M325B CCV 5	P2507013.D	C73566	Check	1.137		1.134	2.2%		-31%	Pass	

### Ethylbenzene Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	P2506992.D	B51004	Cal	1.199		1.199	4.7%	-5.0%		Pass	
2025FW403 Method Blank-1	P2506993.D	C37466	Blank			1.199			-4.9%	Pass	ND
M325B CCV 5	P2507005.D	C20505	Check	1.297		1.199	13%		-28%	Pass	
M325B CCV 5	P2507013.D	C73566	Check	1.148		1.199	0.23%		-31%	Pass	

### m-/p-Xylenes Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	P2506992.D	B51004	Cal	0.957		0.957	12%	-5.0%		Pass	
2025FW403 Method Blank-1	P2506993.D	C37466	Blank			0.957			-4.9%	Pass	ND
M325B CCV 5	P2507005.D	C20505	Check	1.060		0.957	24%		-28%	Pass	
M325B CCV 5	P2507013.D	C73566	Check	0.928		0.957	8.1%		-31%	Pass	

### o-Xylene Calibration and Blanks

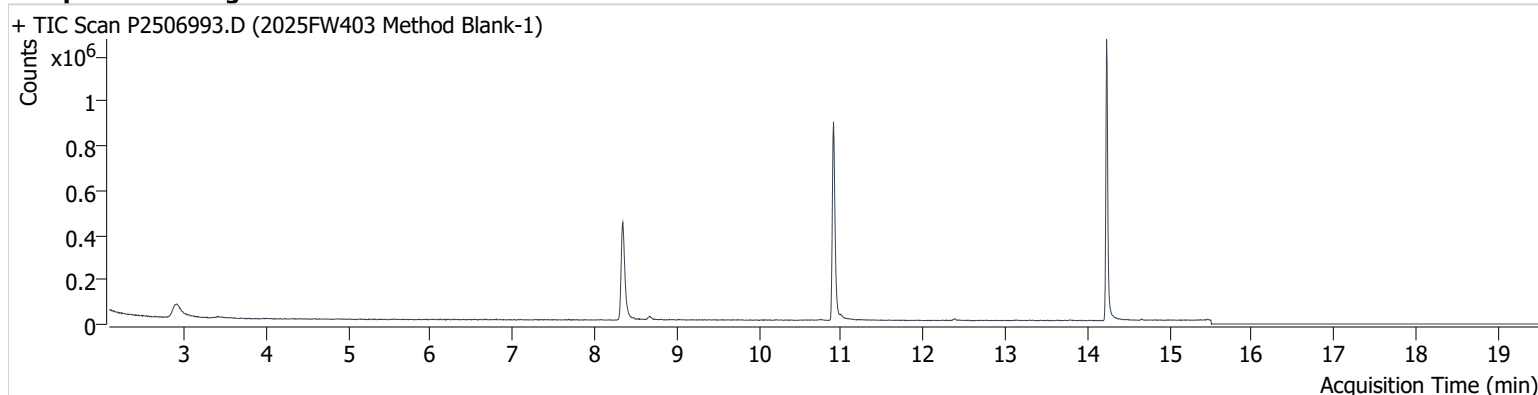
Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	P2506992.D	B51004	Cal	1.015		1.015	17%	-5.0%		Pass	
2025FW403 Method Blank-1	P2506993.D	C37466	Blank			1.015			-4.9%	Pass	ND
M325B CCV 5	P2507005.D	C20505	Check	1.052		1.015	22%		-28%	Pass	
M325B CCV 5	P2507013.D	C73566	Check	0.974		1.015	13%		-31%	Pass	

# Chromatograms



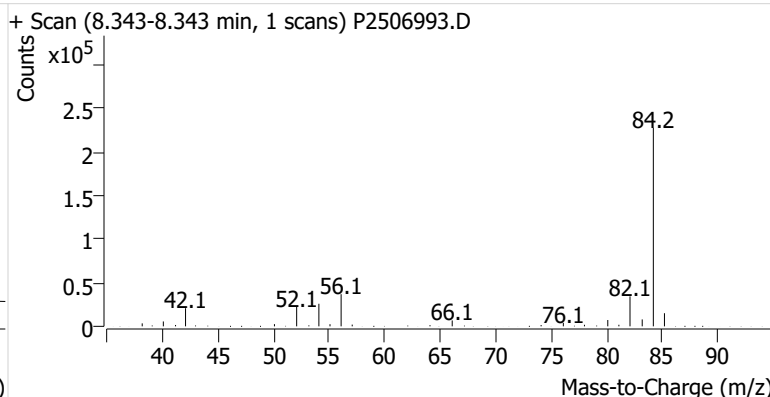
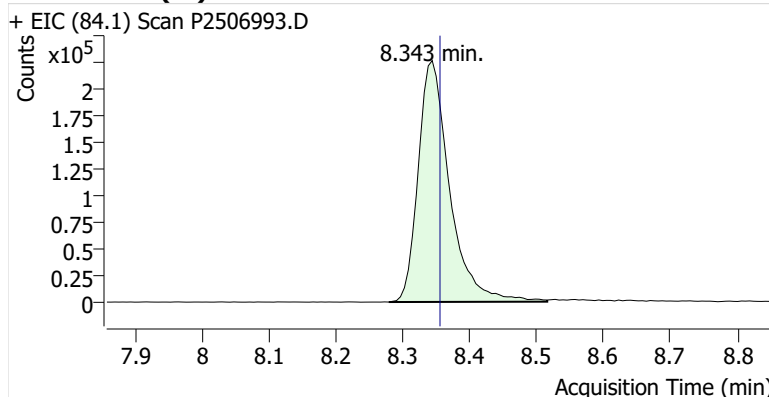
**Name** 2025FW403 Method Blank-1  
**Comment** C37466  
**Data File** P2506993.D  
**Acq. Date-Time** 11/13/2025 3:44:07 PM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

### Sample Chromatogram

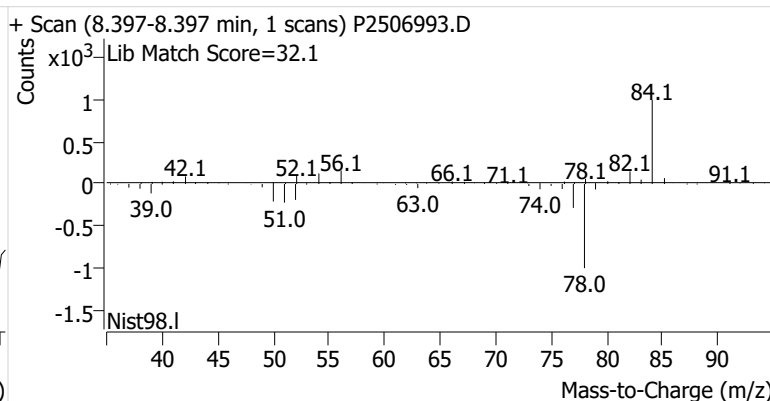
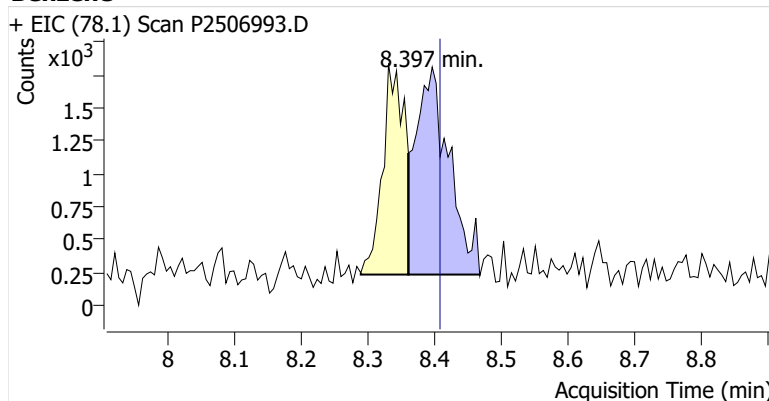


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.343	8.355	742,102	
Benzene	benzene-d6 (IS)	8.397	8.408	5,420	
Toluene-d8 (IS)		10.907	10.913	800,092	
Toluene	Toluene-d8 (IS)	10.996	11.008	7,559	
Ethylbenzene	Toluene-d8 (IS)	13.121	13.139	1,618	
m-/p-Xylenes	Toluene-d8 (IS)	13.299	13.329	1,440	
o-Xylene	Toluene-d8 (IS)	13.792	13.798	1,302	m

### benzene-d6 (IS)

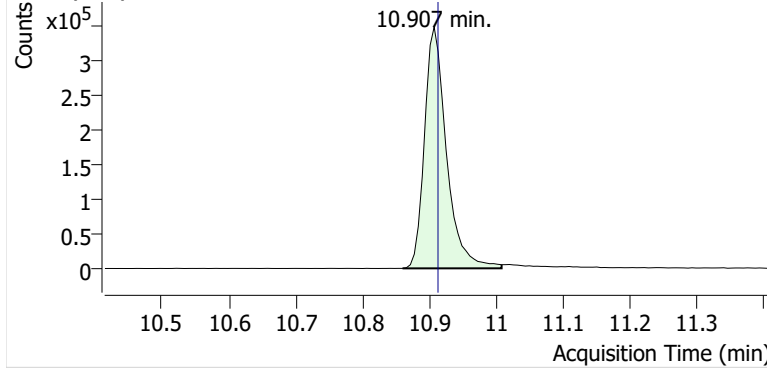


### Benzene

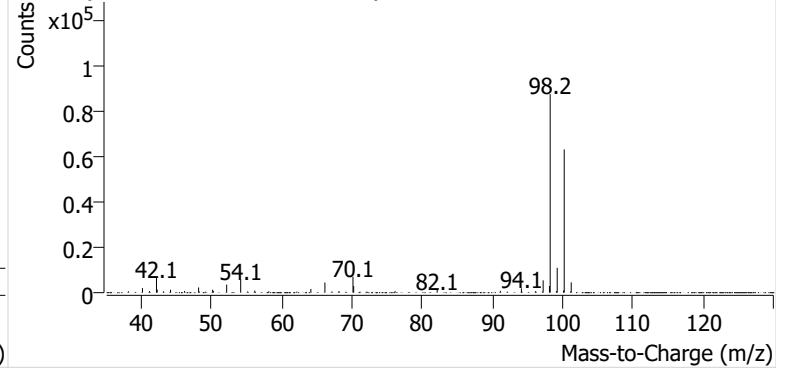


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2506993.D

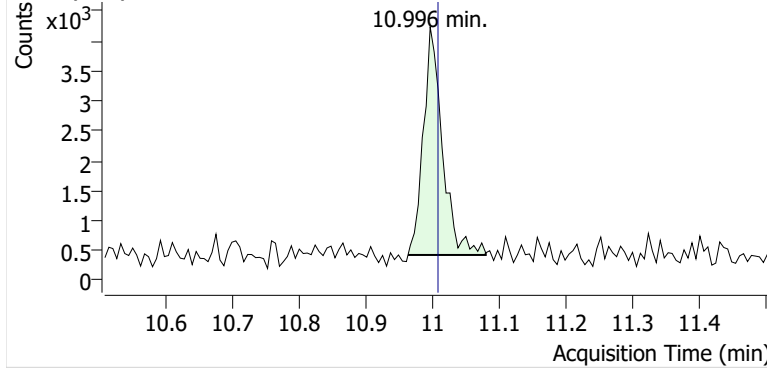


+ Scan (10.860-11.008 min, 25 scans) P2506993.D

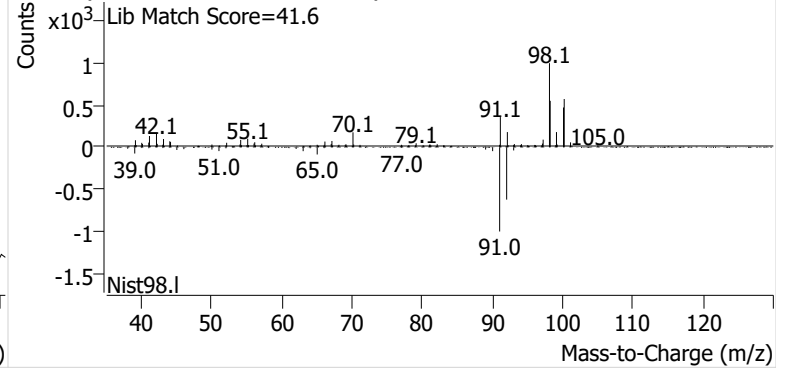


**Toluene**

+ EIC (91.1) Scan P2506993.D

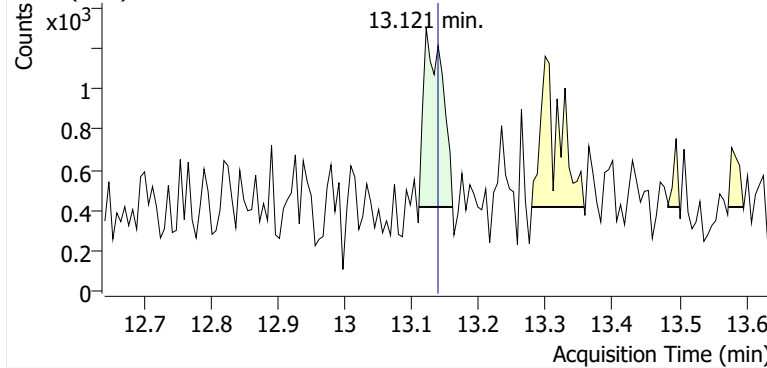


+ Scan (10.963-11.079 min, 20 scans) P2506993.D

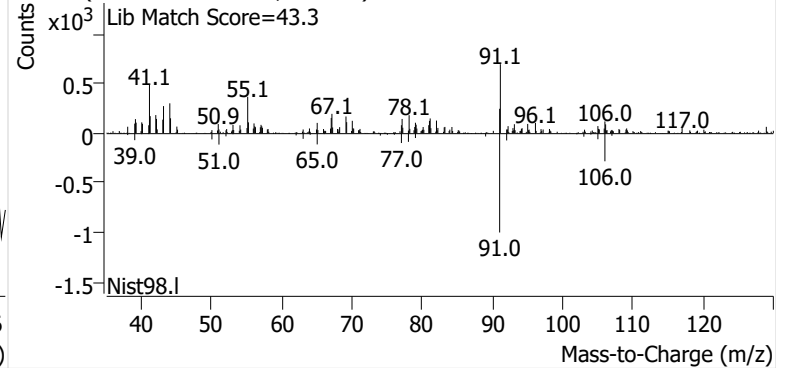


**Ethylbenzene**

+ EIC (91.1) Scan P2506993.D

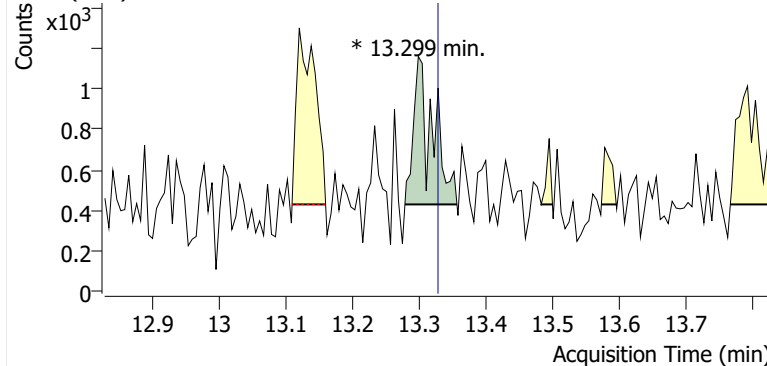


+ Scan (13.110-13.161 min, 8 scans) P2506993.D

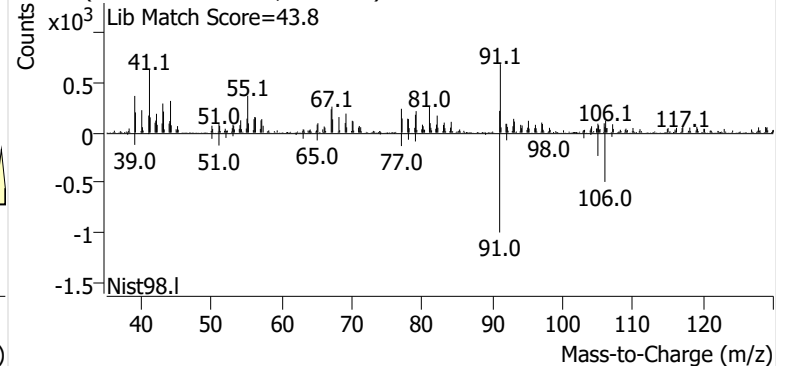


**m-/p-Xylenes**

+ EIC (91.1) Scan P2506993.D

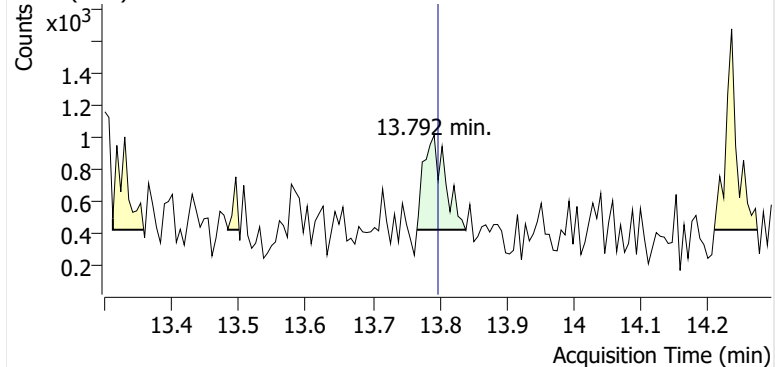


+ Scan (13.279-13.357 min, 13 scans) P2506993.D

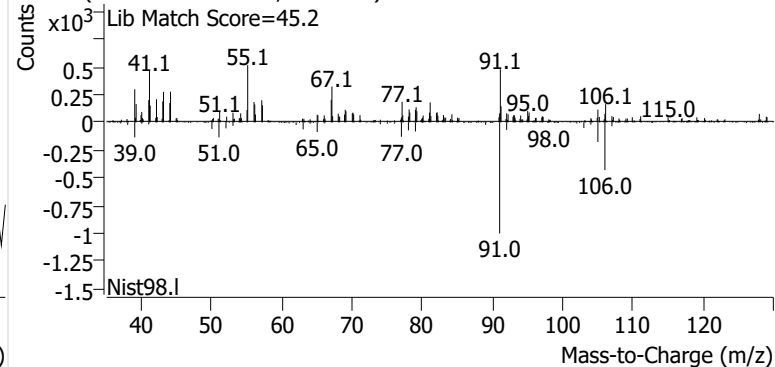


**o-Xylene**

+ EIC (91.1) Scan P2506993.D

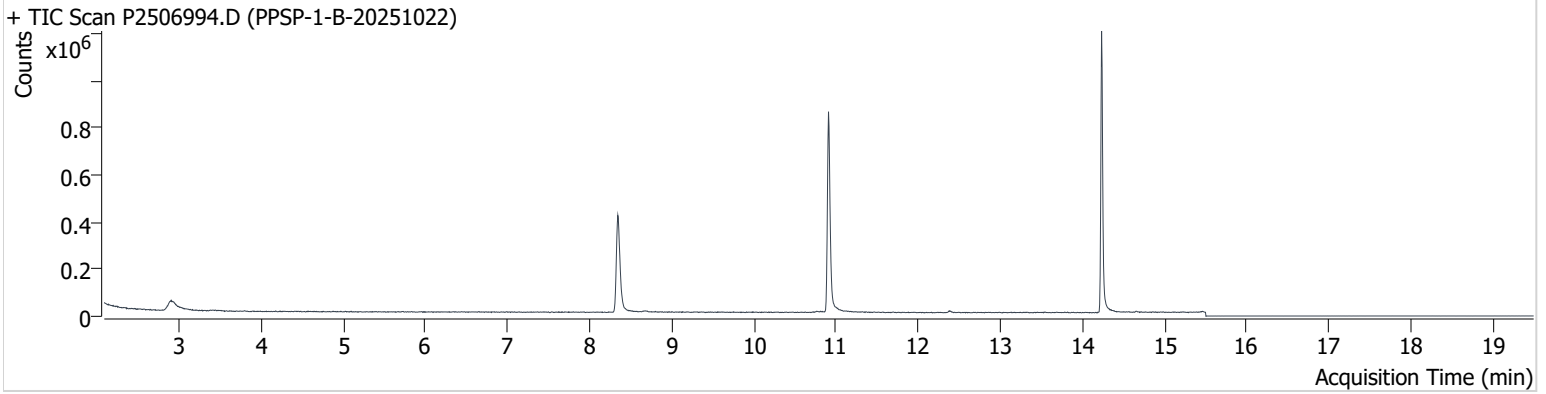


+ Scan (13.766-13.839 min, 12 scans) P2506993.D



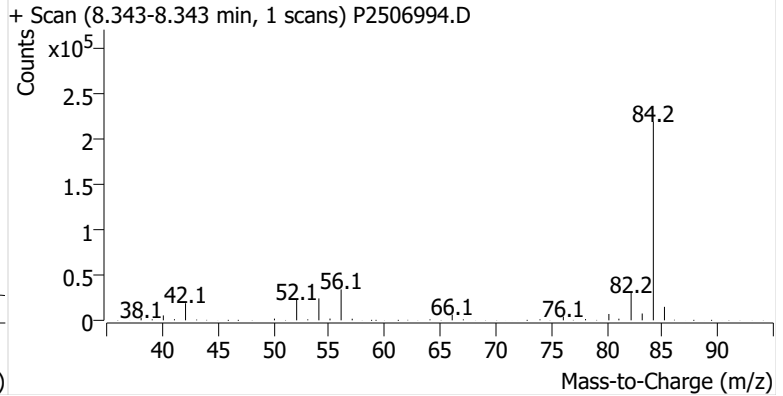
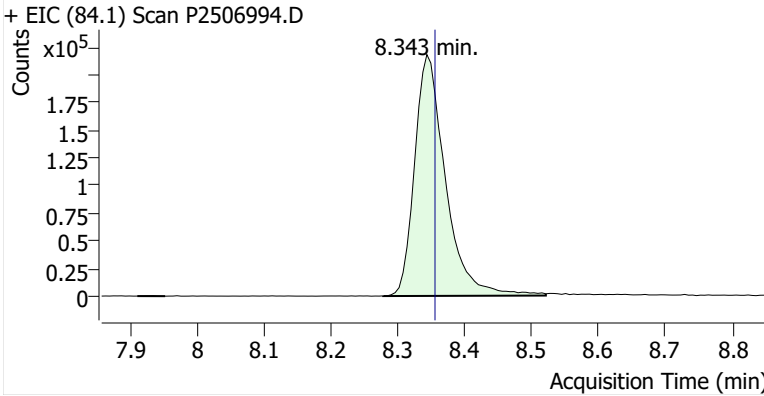
**Name** PPSP-1-B-20251022  
**Comment** C43929  
**Data File** P2506994.D  
**Acq. Date-Time** 11/13/2025 4:21:26 PM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

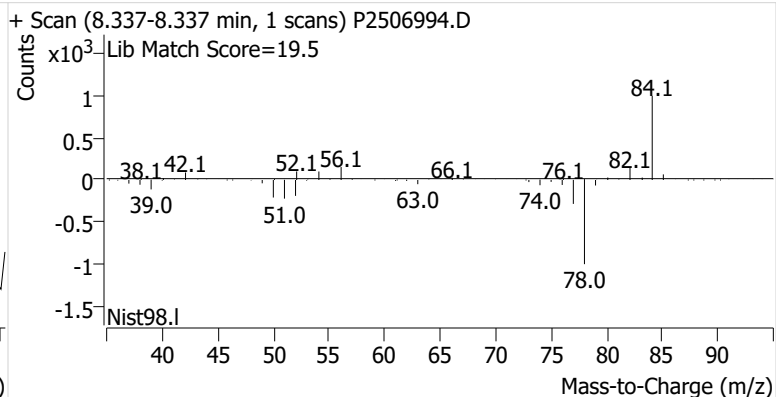
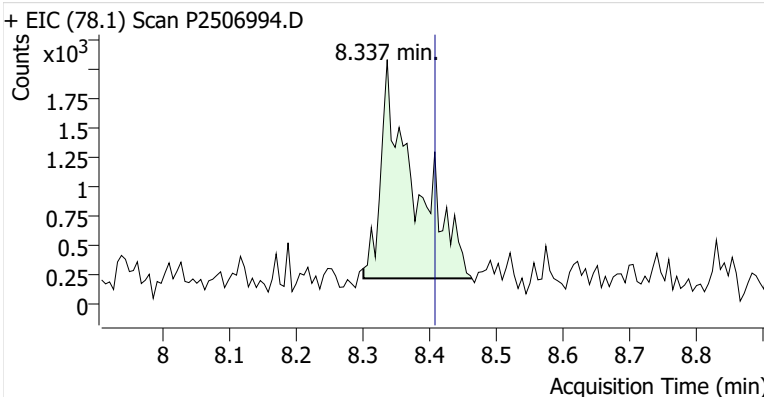


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.343	8.355	699,083	
Benzene	benzene-d6 (IS)	8.337	8.408	6,547	
Toluene-d8 (IS)		10.907	10.913	770,748	
Toluene	Toluene-d8 (IS)	11.002	11.008	4,560	
Ethylbenzene	Toluene-d8 (IS)	13.133	13.139	767	
m-/p-Xylenes	Toluene-d8 (IS)	13.133	13.329	ND	m
o-Xylene	Toluene-d8 (IS)	13.542	13.798	ND	m

**benzene-d6 (IS)**

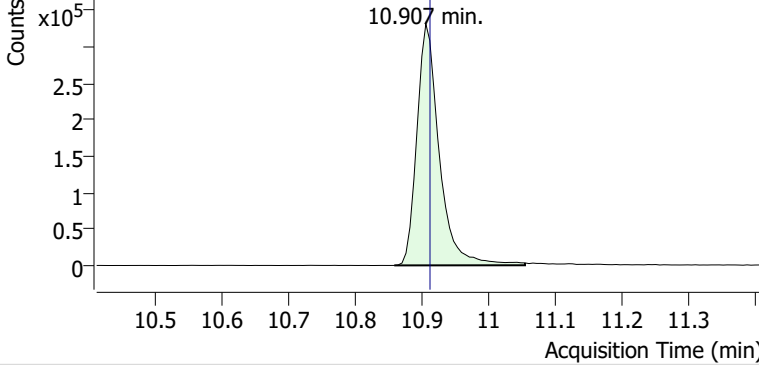


**Benzene**

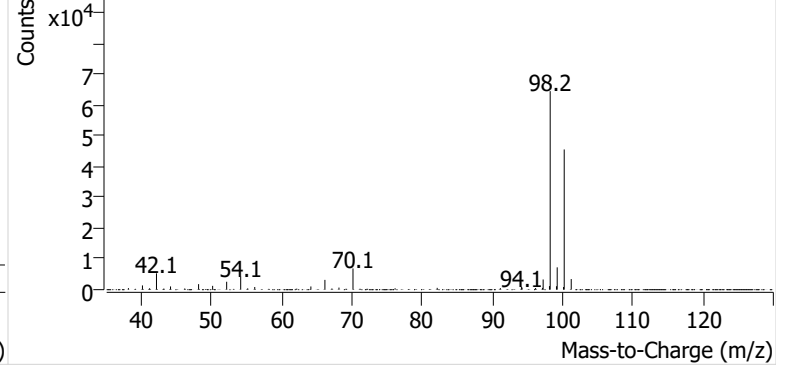


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2506994.D

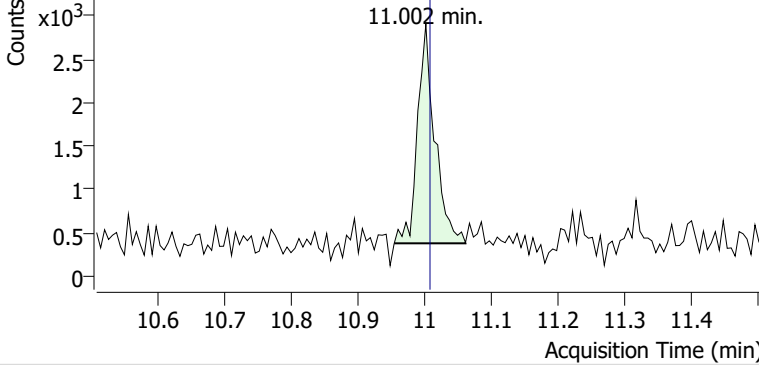


+ Scan (10.860-11.055 min, 33 scans) P2506994.D

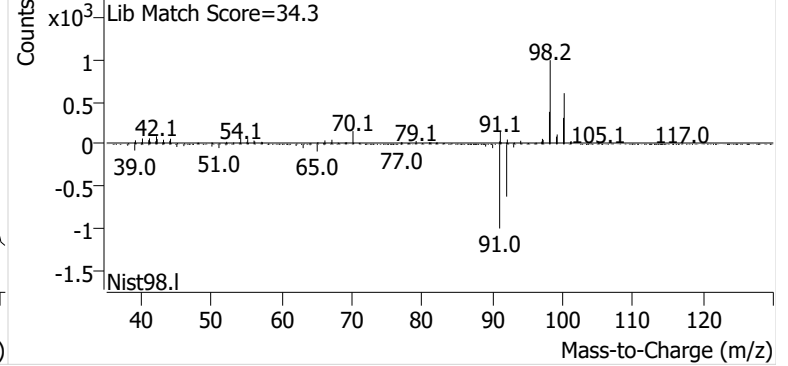


**Toluene**

+ EIC (91.1) Scan P2506994.D

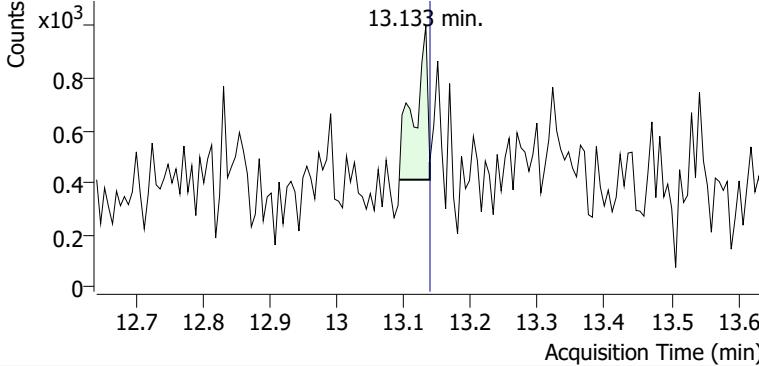


+ Scan (10.954-11.061 min, 18 scans) P2506994.D

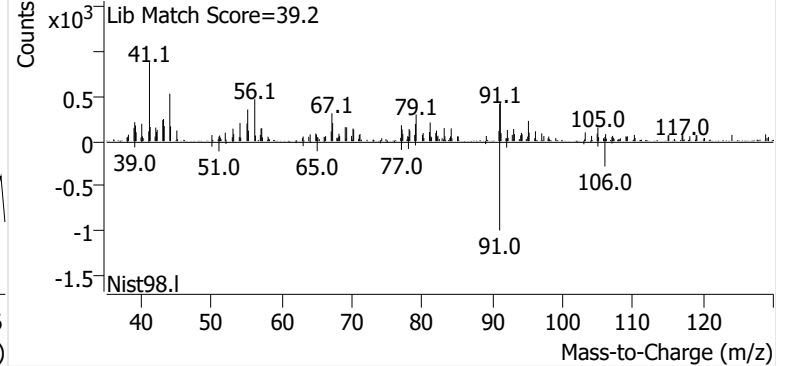


**Ethylbenzene**

+ EIC (91.1) Scan P2506994.D

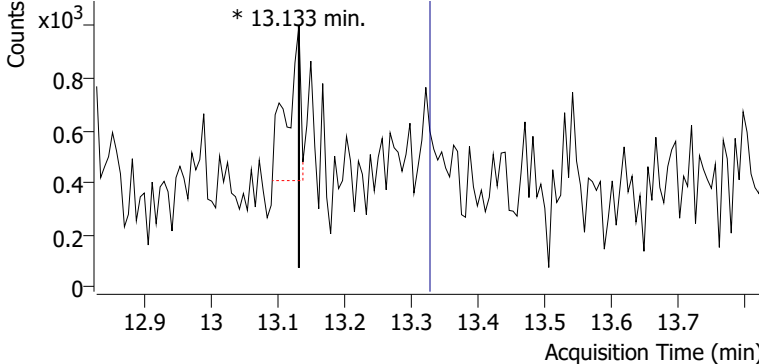


+ Scan (13.093-13.138 min, 8 scans) P2506994.D

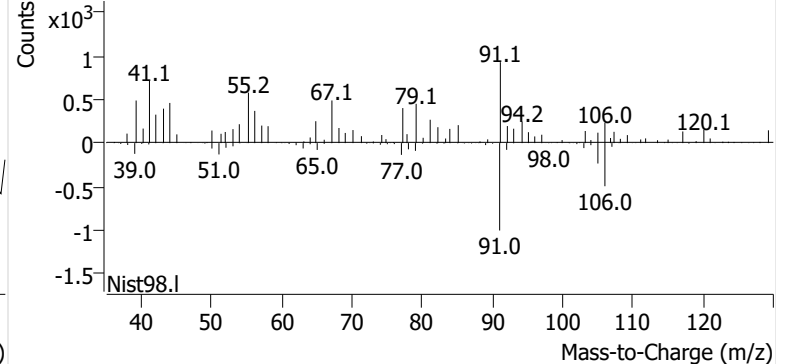


**m-/p-Xylenes**

+ EIC (91.1) Scan P2506994.D

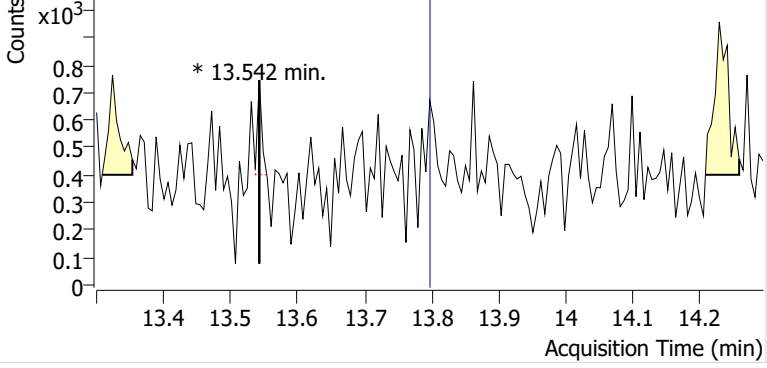


+ Scan (13.133-13.133 min, 1 scans) P2506994.D

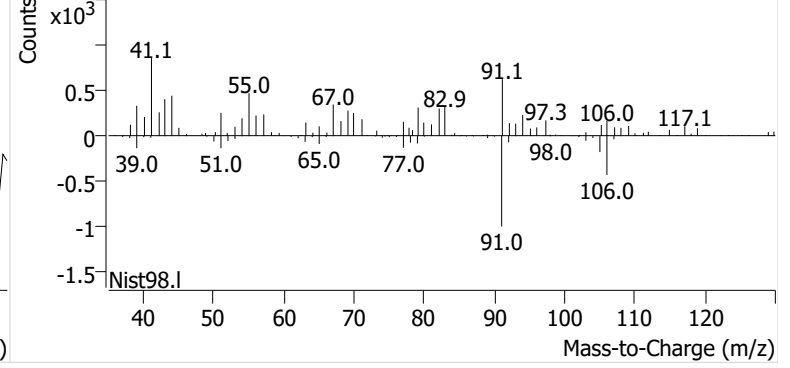


**o-Xylene**

+ EIC (91.1) Scan P2506994.D

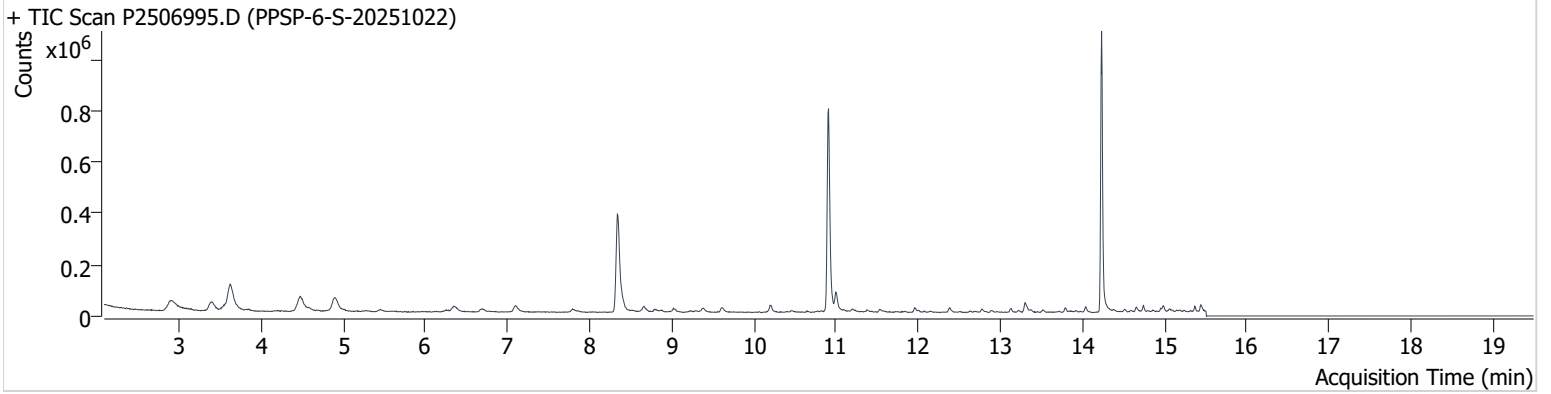


+ Scan (13.542-13.542 min, 1 scans) P2506994.D



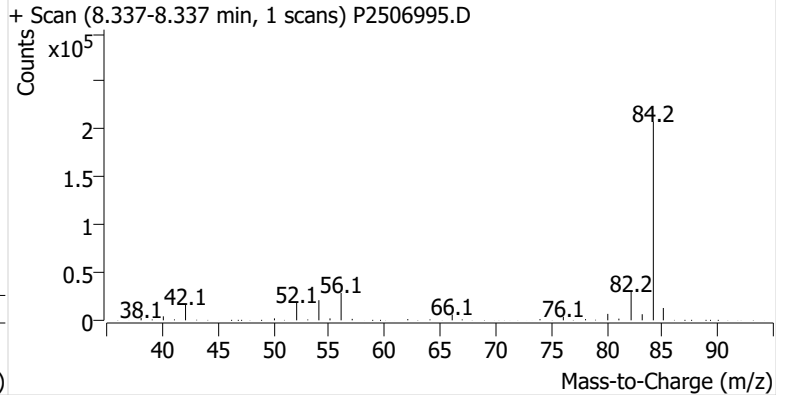
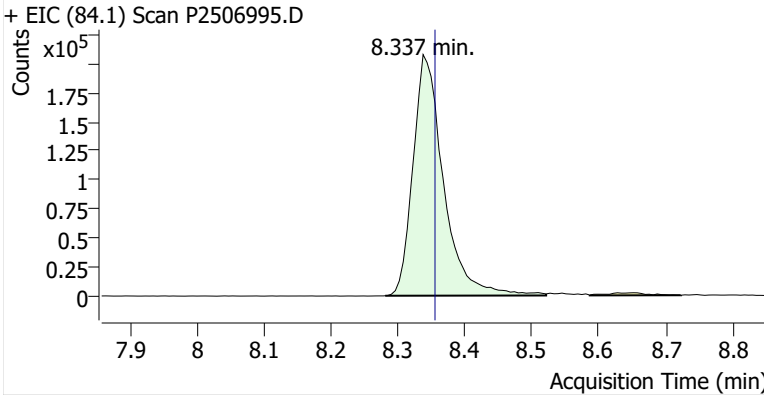
**Name** PPSP-6-S-20251022  
**Comment** C61444  
**Data File** P2506995.D  
**Acq. Date-Time** 11/13/2025 4:58:47 PM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

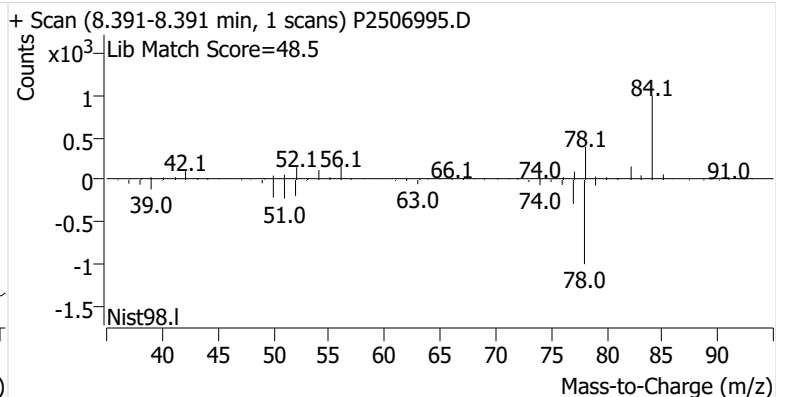
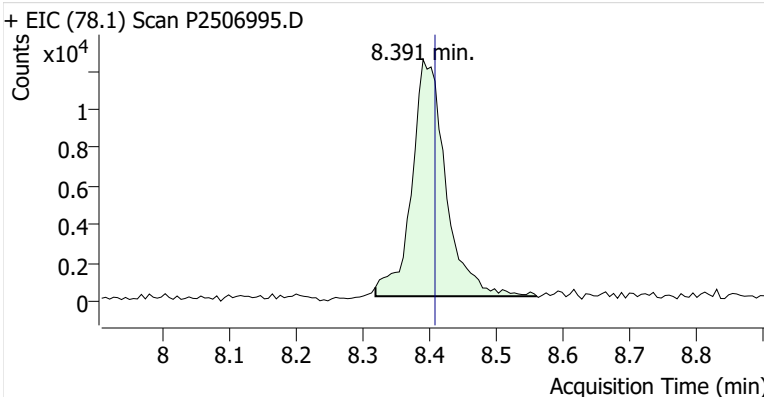


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.337	8.355	656,294	
Benzene	benzene-d6 (IS)	8.391	8.408	43,801	
Toluene-d8 (IS)		10.901	10.913	720,589	
Toluene	Toluene-d8 (IS)	10.996	11.008	59,385	
Ethylbenzene	Toluene-d8 (IS)	13.133	13.139	11,579	
m-/p-Xylenes	Toluene-d8 (IS)	13.299	13.329	34,037	
o-Xylene	Toluene-d8 (IS)	13.792	13.798	11,938	

**benzene-d6 (IS)**

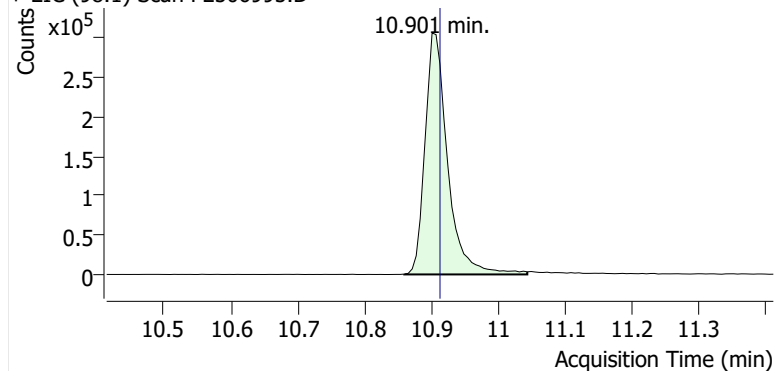


**Benzene**

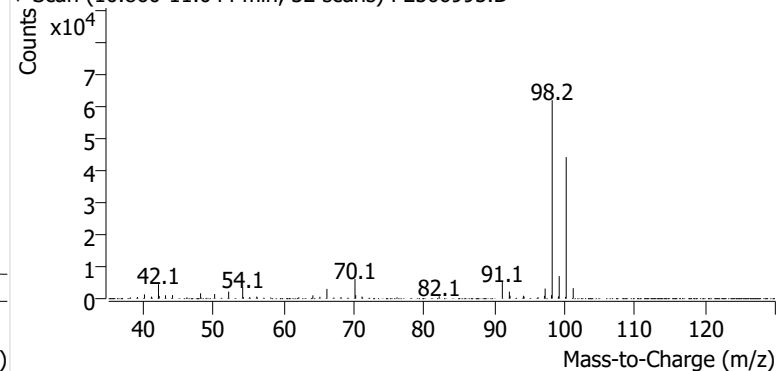


**Toluene-d8 (IS)**

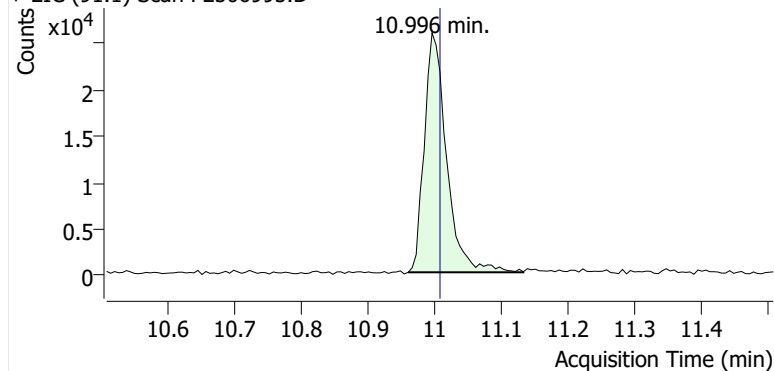
+ EIC (98.1) Scan P2506995.D



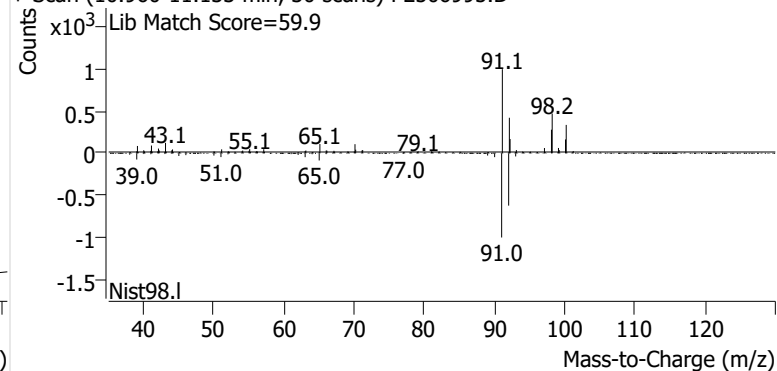
+ Scan (10.860-11.044 min, 32 scans) P2506995.D

**Toluene**

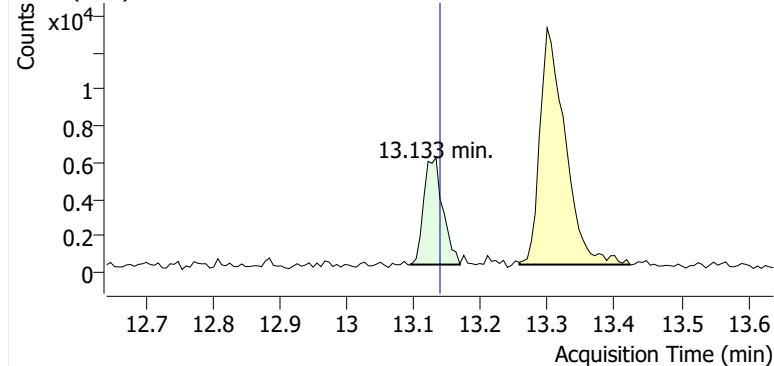
+ EIC (91.1) Scan P2506995.D



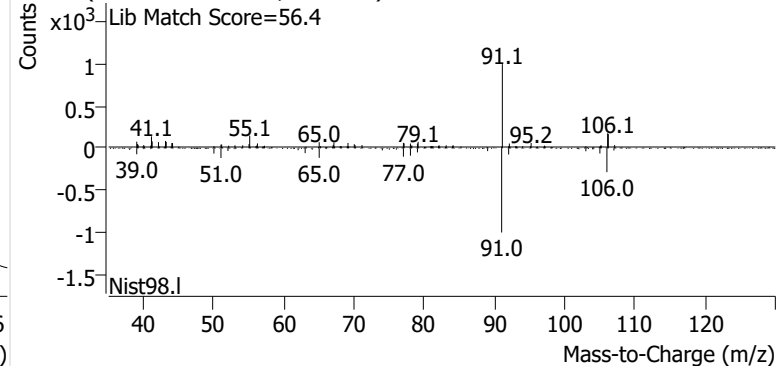
+ Scan (10.960-11.133 min, 30 scans) P2506995.D

**Ethylbenzene**

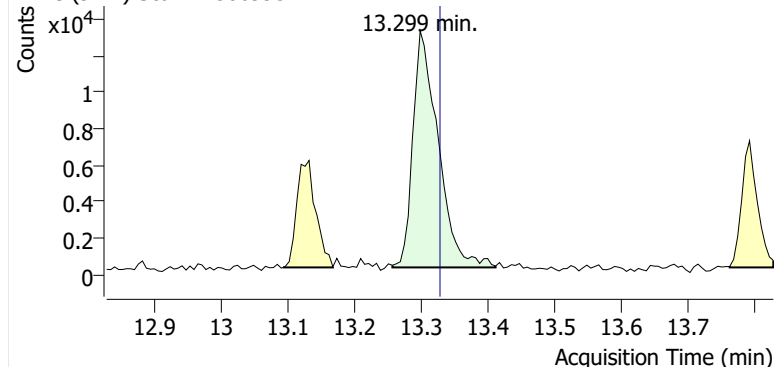
+ EIC (91.1) Scan P2506995.D



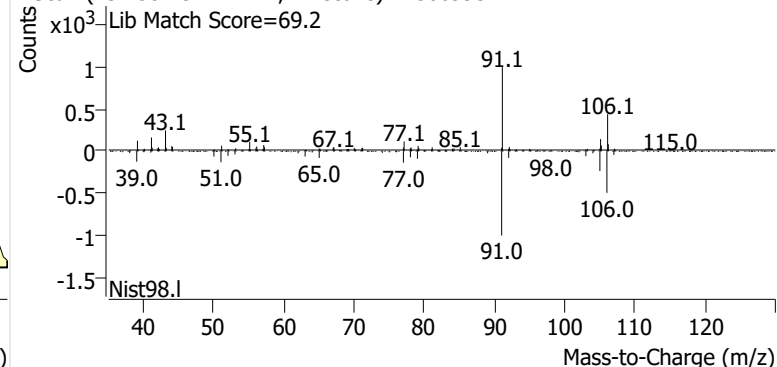
+ Scan (13.093-13.168 min, 13 scans) P2506995.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2506995.D

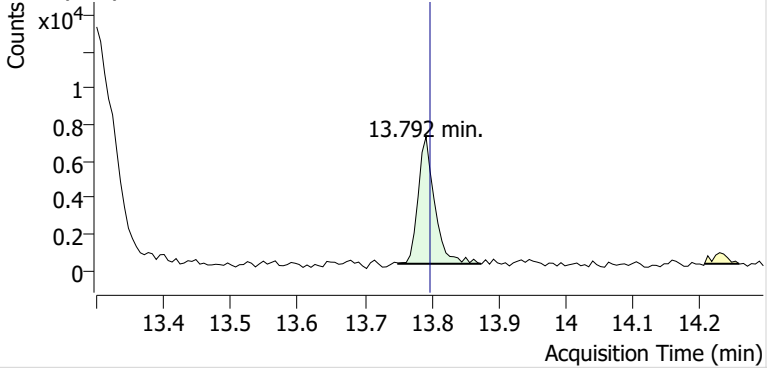


+ Scan (13.258-13.412 min, 27 scans) P2506995.D

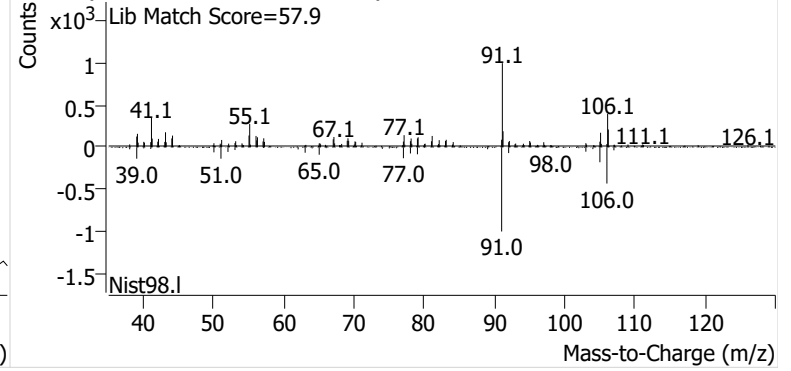


**o-Xylene**

+ EIC (91.1) Scan P2506995.D

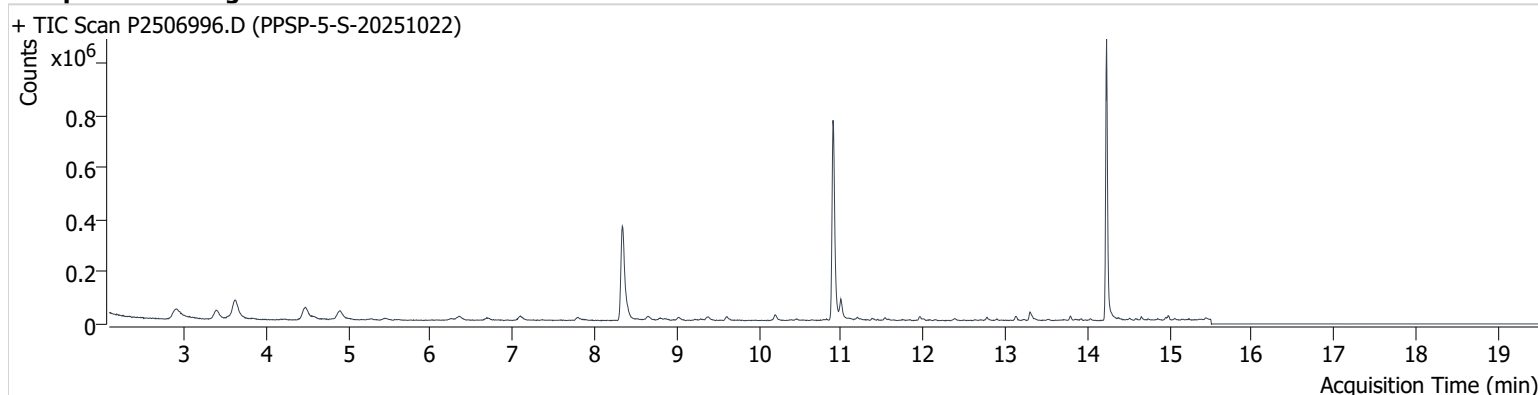


+ Scan (13.750-13.874 min, 21 scans) P2506995.D



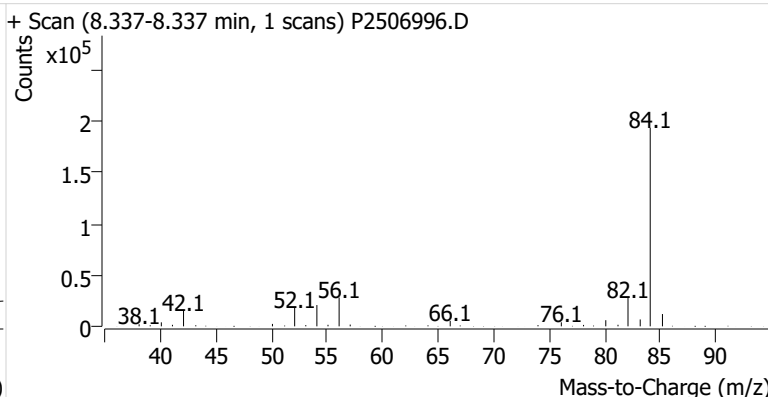
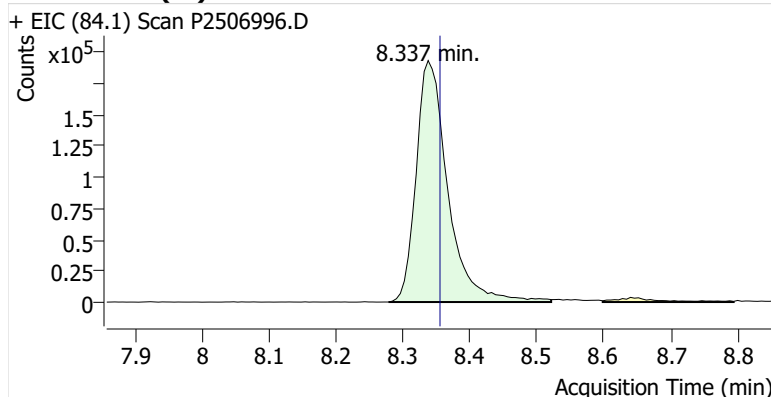
**Name** PPSP-5-S-20251022  
**Comment** B50779  
**Data File** P2506996.D  
**Acq. Date-Time** 11/13/2025 5:36:05 PM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

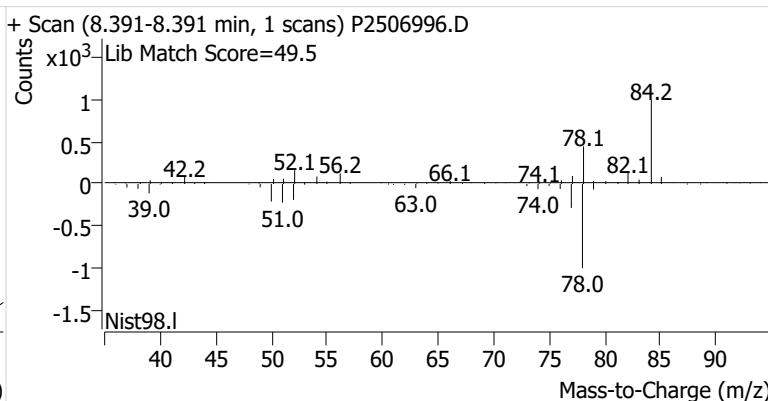
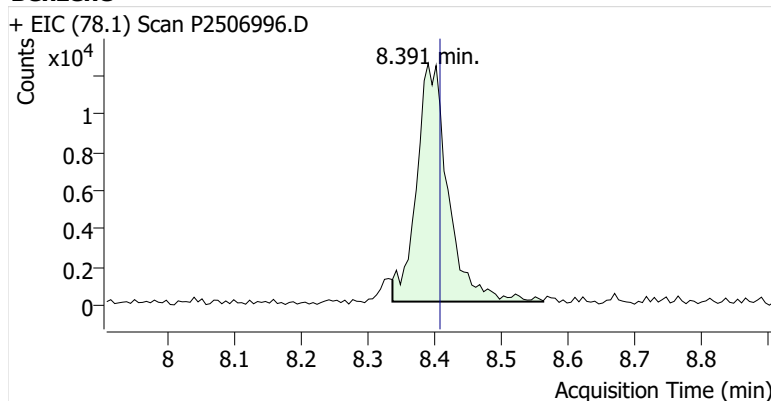


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.337	8.355	637,101	
Benzene	benzene-d6 (IS)	8.391	8.408	40,658	
Toluene-d8 (IS)		10.901	10.913	699,857	
Toluene	Toluene-d8 (IS)	10.996	11.008	56,959	
Ethylbenzene	Toluene-d8 (IS)	13.127	13.139	13,665	
m-/p-Xylenes	Toluene-d8 (IS)	13.299	13.329	29,832	
o-Xylene	Toluene-d8 (IS)	13.792	13.798	10,490	

**benzene-d6 (IS)**

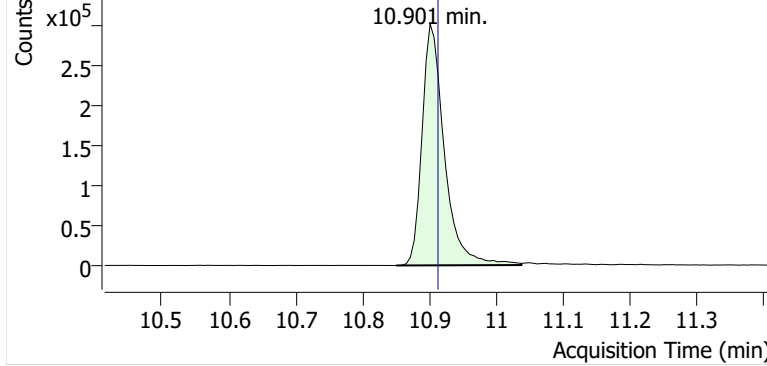


**Benzene**

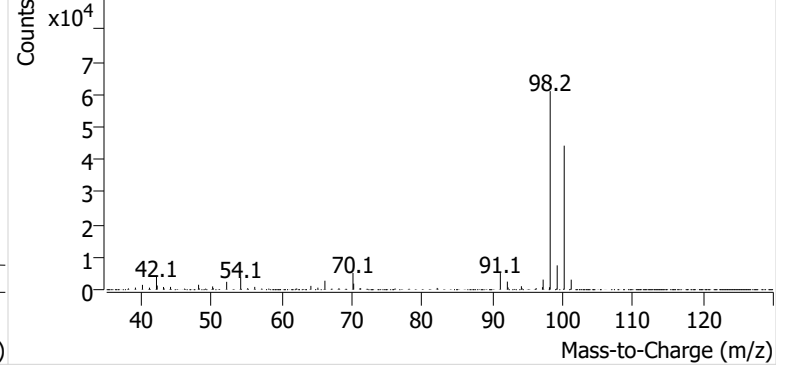


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2506996.D

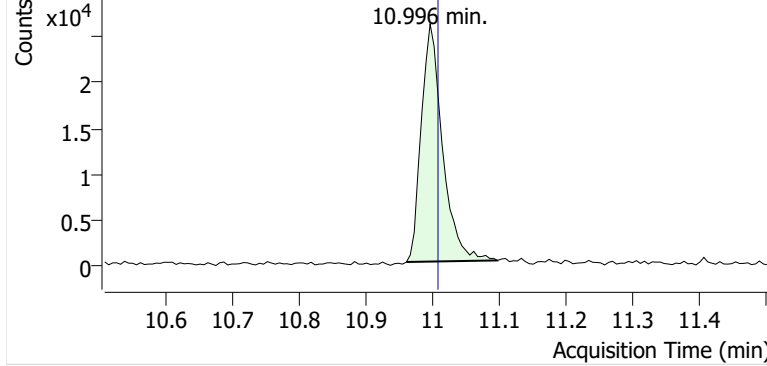


+ Scan (10.851-11.038 min, 32 scans) P2506996.D

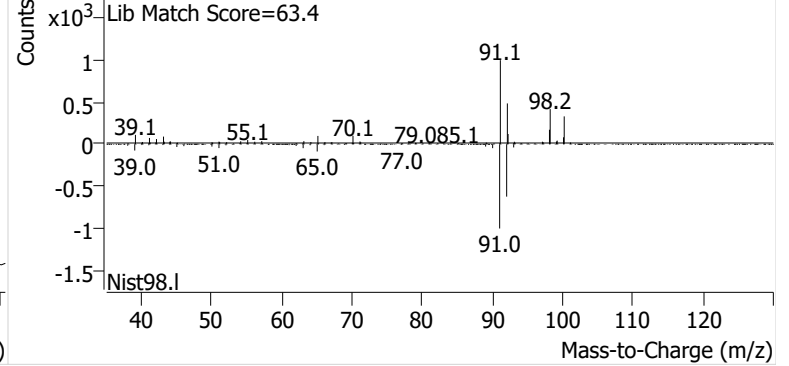


**Toluene**

+ EIC (91.1) Scan P2506996.D

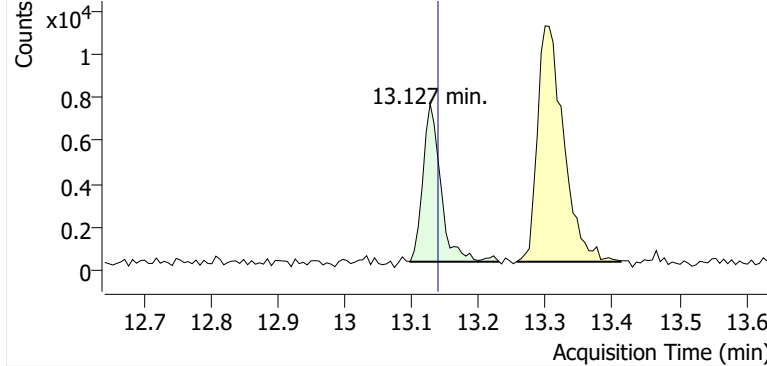


+ Scan (10.961-11.097 min, 23 scans) P2506996.D

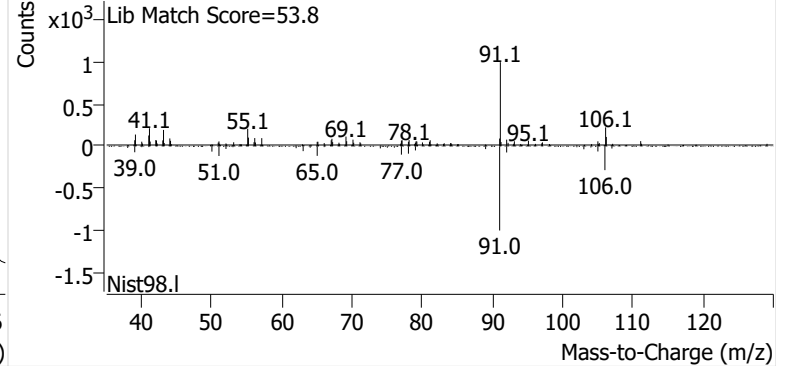


**Ethylbenzene**

+ EIC (91.1) Scan P2506996.D

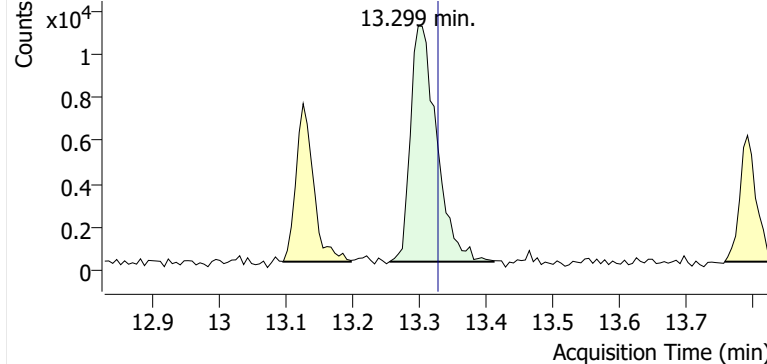


+ Scan (13.097-13.230 min, 23 scans) P2506996.D

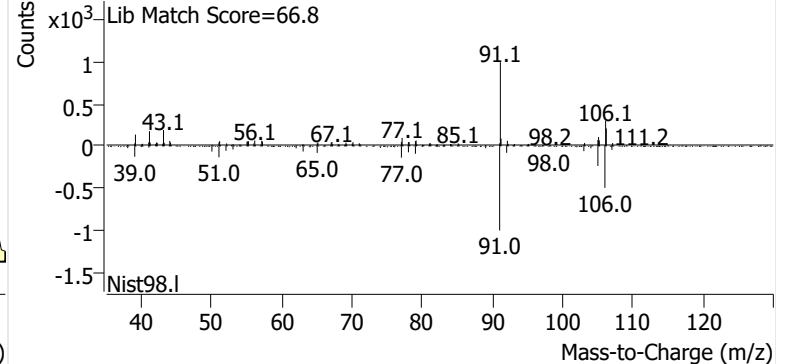


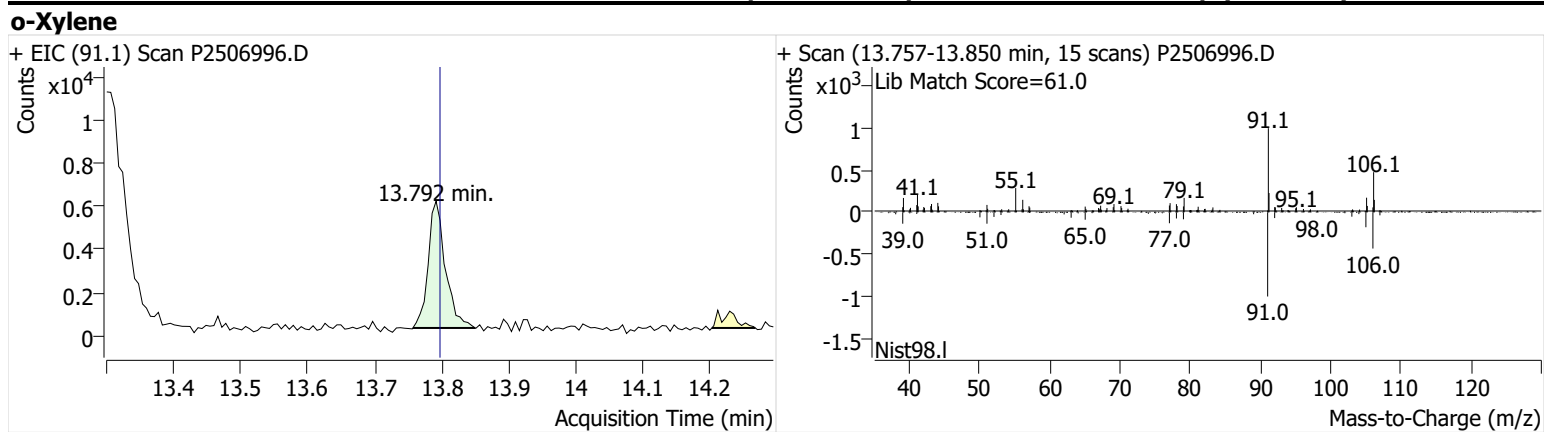
**m-/p-Xylenes**

+ EIC (91.1) Scan P2506996.D



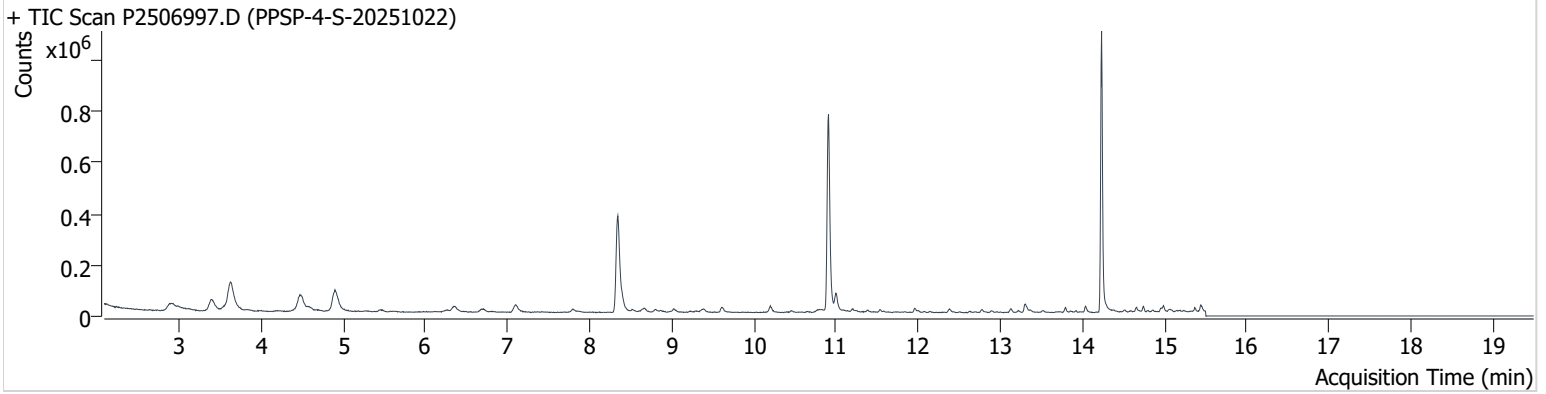
+ Scan (13.258-13.412 min, 27 scans) P2506996.D





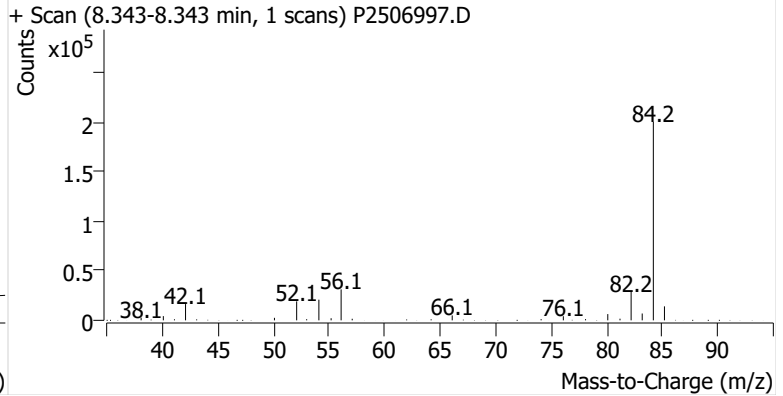
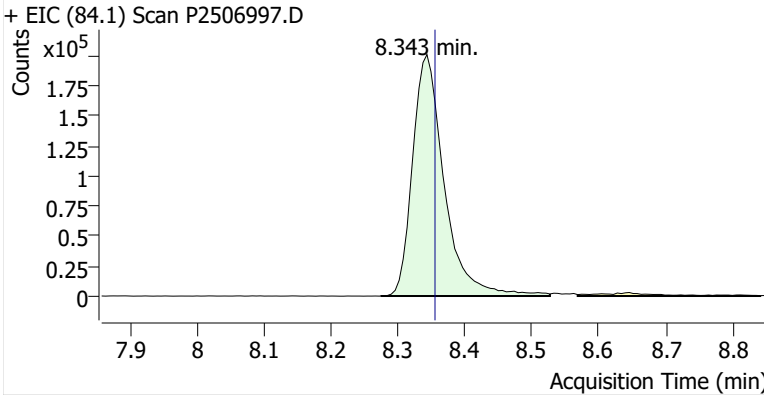
**Name** PPSP-4-S-20251022  
**Comment** C69743  
**Data File** P2506997.D  
**Acq. Date-Time** 11/13/2025 6:13:24 PM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

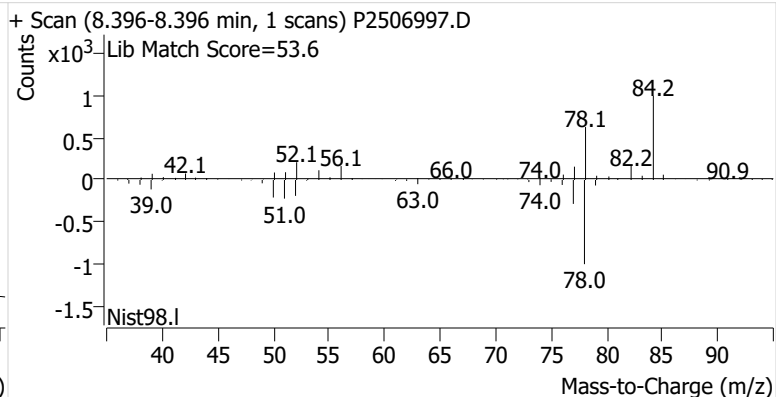
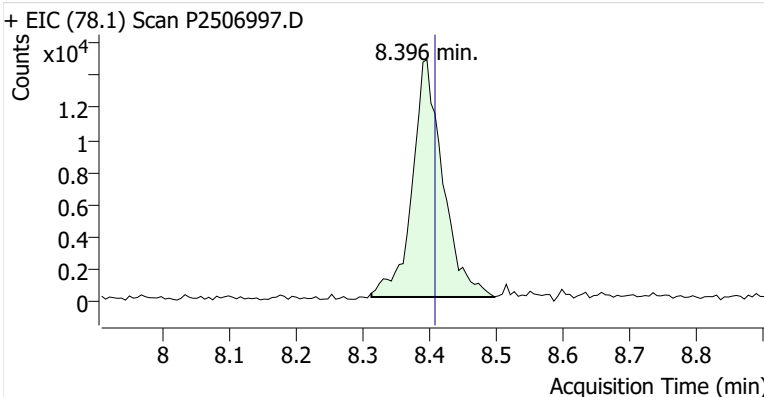


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.343	8.355	659,991	
Benzene	benzene-d6 (IS)	8.396	8.408	47,099	
Toluene-d8 (IS)		10.907	10.913	705,161	
Toluene	Toluene-d8 (IS)	10.996	11.008	56,543	
Ethylbenzene	Toluene-d8 (IS)	13.127	13.139	12,261	
m-/p-Xylenes	Toluene-d8 (IS)	13.305	13.329	31,504	
o-Xylene	Toluene-d8 (IS)	13.792	13.798	11,485	

**benzene-d6 (IS)**

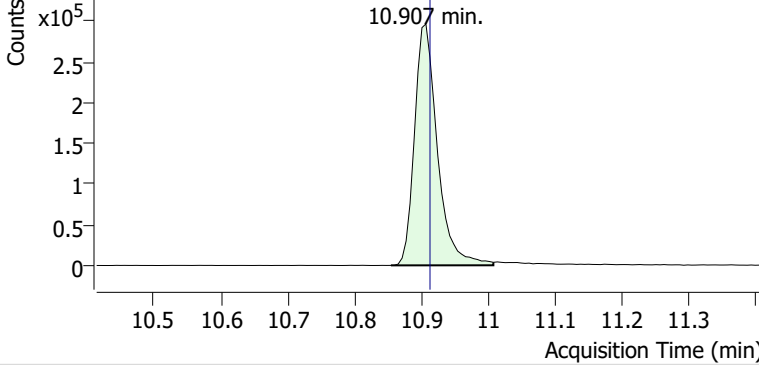


**Benzene**

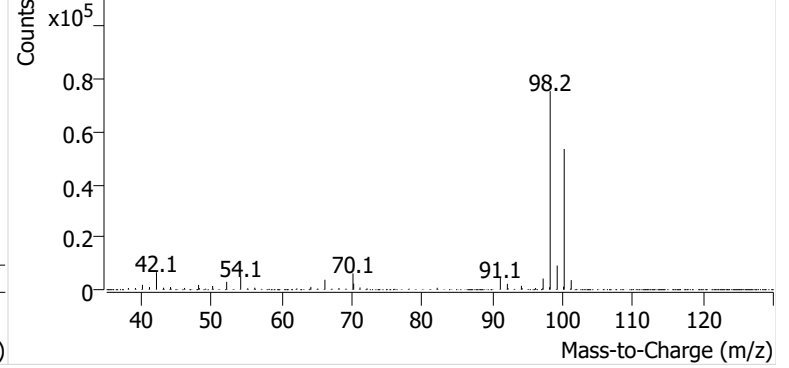


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2506997.D

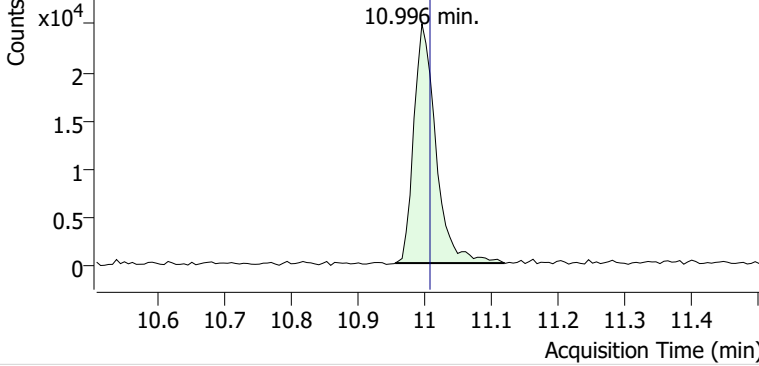


+ Scan (10.855-11.008 min, 26 scans) P2506997.D

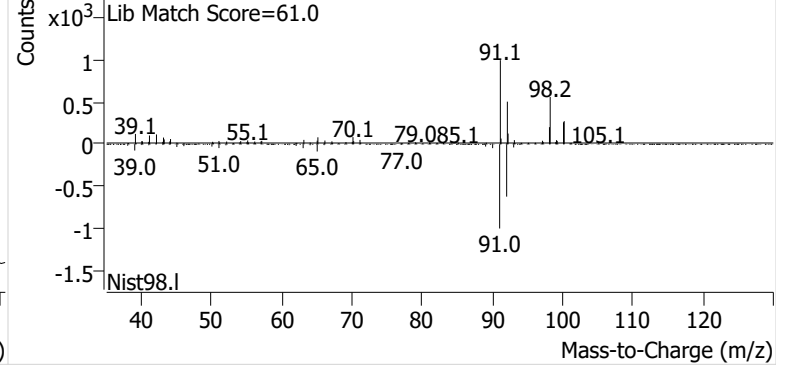


**Toluene**

+ EIC (91.1) Scan P2506997.D

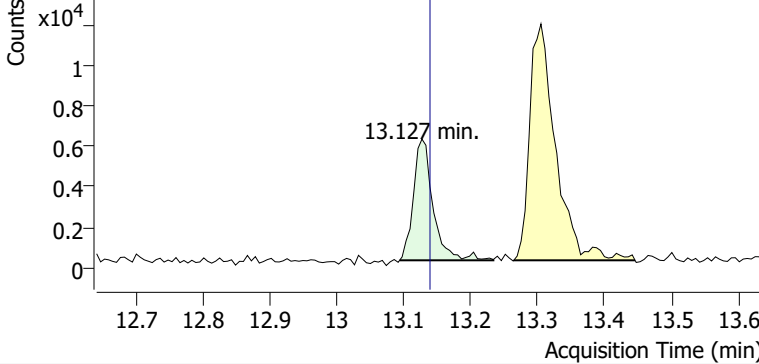


+ Scan (10.956-11.120 min, 27 scans) P2506997.D

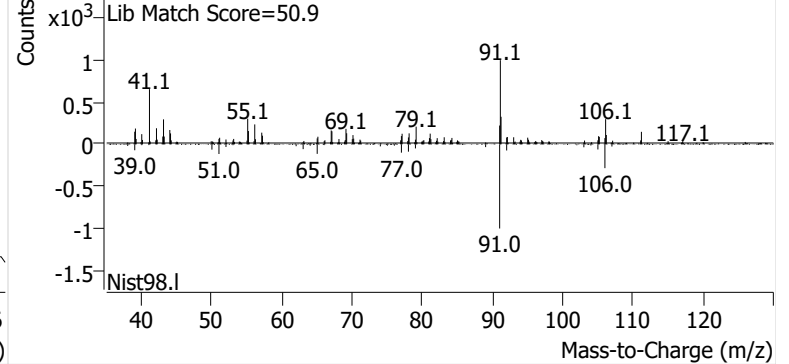


**Ethylbenzene**

+ EIC (91.1) Scan P2506997.D

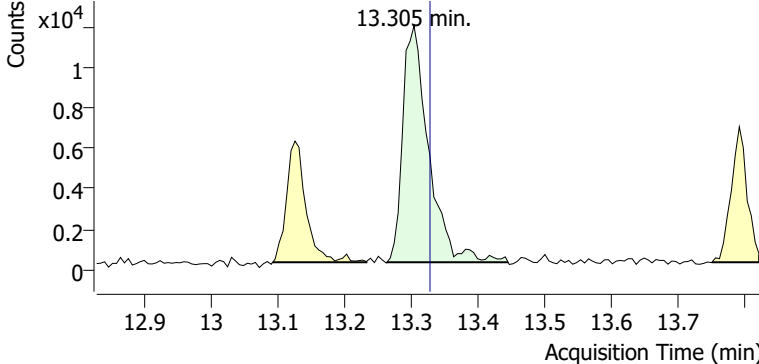


+ Scan (13.093-13.234 min, 24 scans) P2506997.D

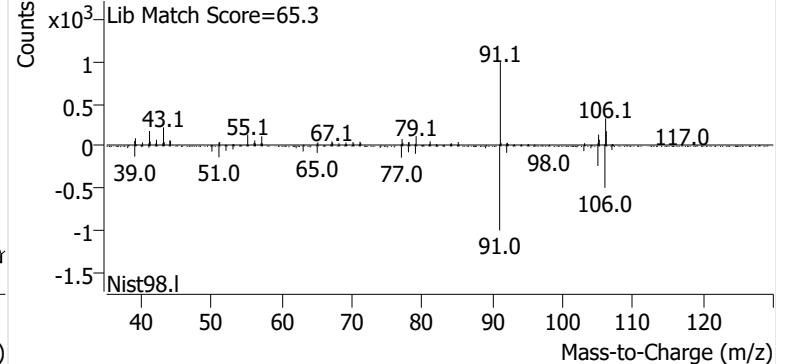


**m-/p-Xylenes**

+ EIC (91.1) Scan P2506997.D

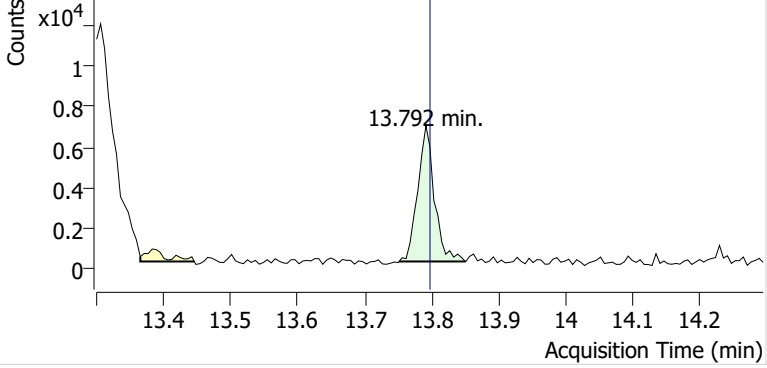


+ Scan (13.264-13.446 min, 30 scans) P2506997.D

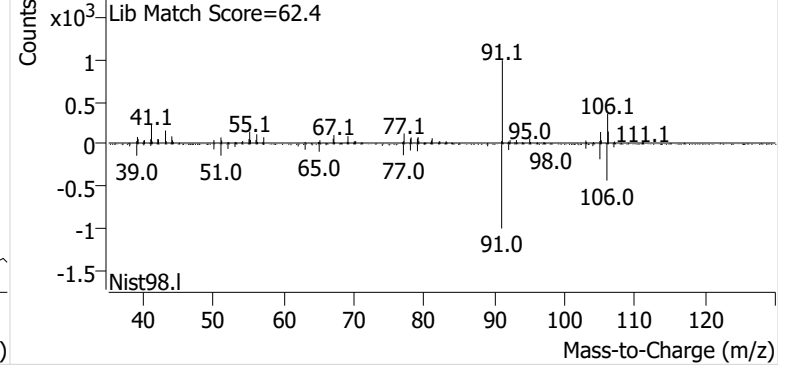


**o-Xylene**

+ EIC (91.1) Scan P2506997.D

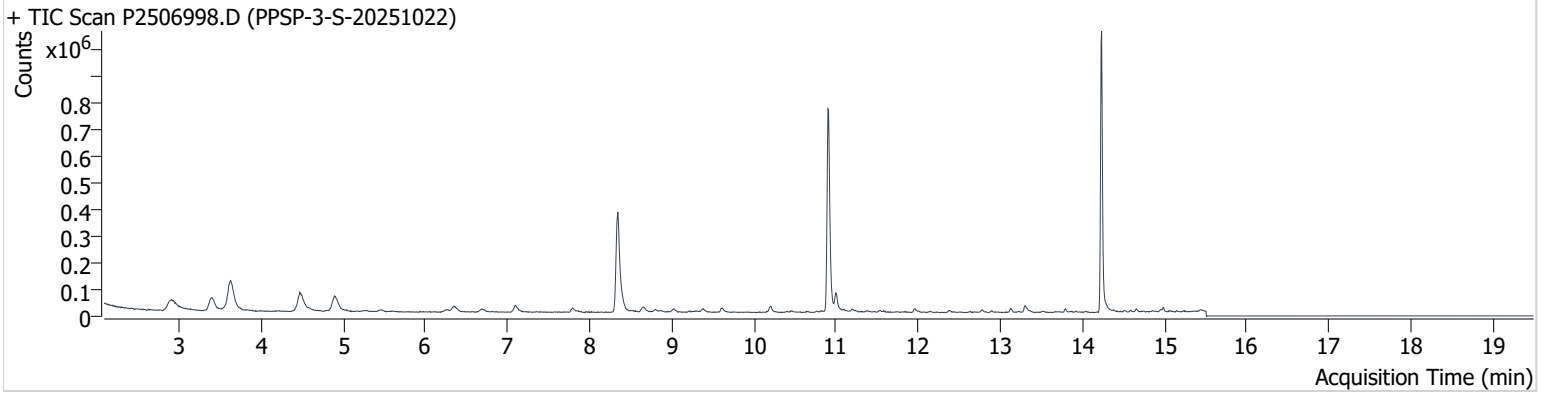


+ Scan (13.751-13.850 min, 16 scans) P2506997.D



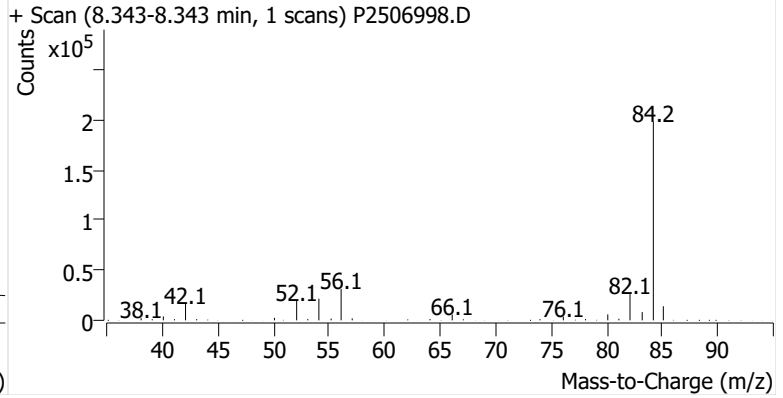
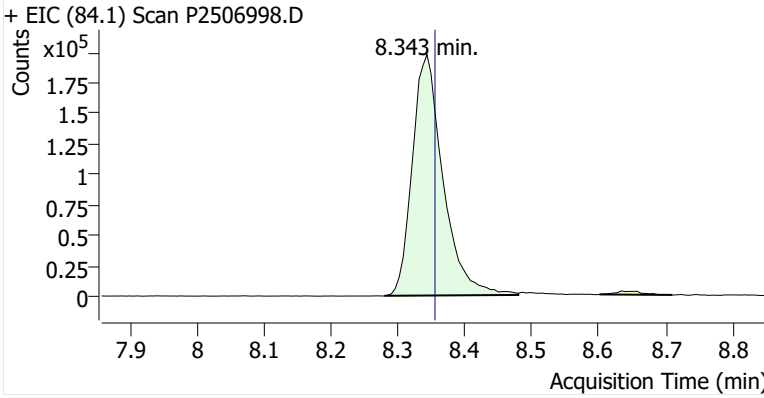
**Name** PPSP-3-S-20251022  
**Comment** B50636  
**Data File** P2506998.D  
**Acq. Date-Time** 11/13/2025 6:50:43 PM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

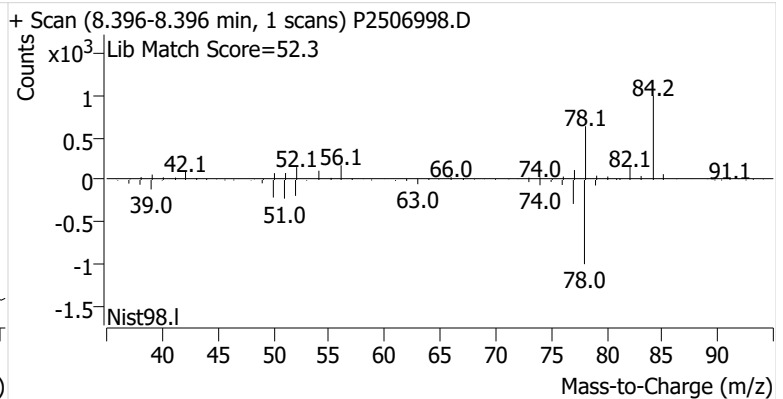
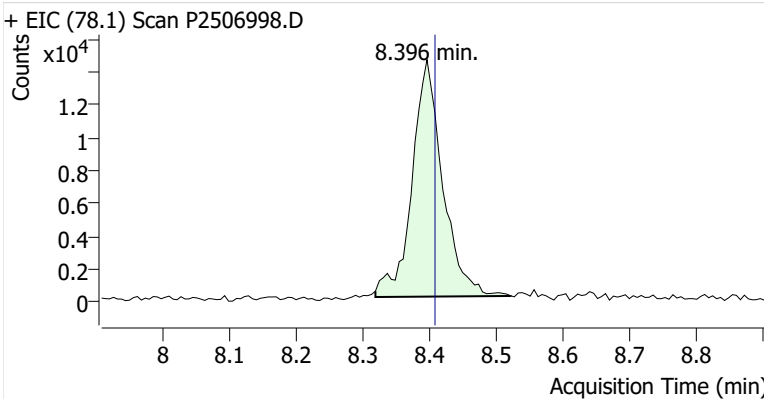


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.343	8.355	631,492	
Benzene	benzene-d6 (IS)	8.396	8.408	45,980	
Toluene-d8 (IS)		10.907	10.913	695,718	
Toluene	Toluene-d8 (IS)	10.996	11.008	55,005	
Ethylbenzene	Toluene-d8 (IS)	13.127	13.139	12,994	
m-/p-Xylenes	Toluene-d8 (IS)	13.299	13.329	23,051	
o-Xylene	Toluene-d8 (IS)	13.792	13.798	8,836	

**benzene-d6 (IS)**

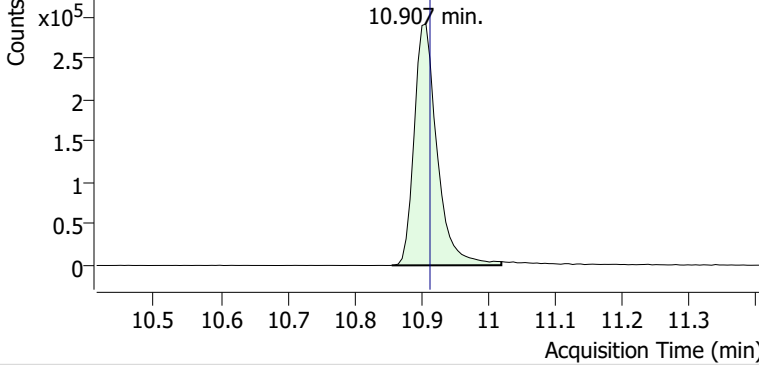


**Benzene**

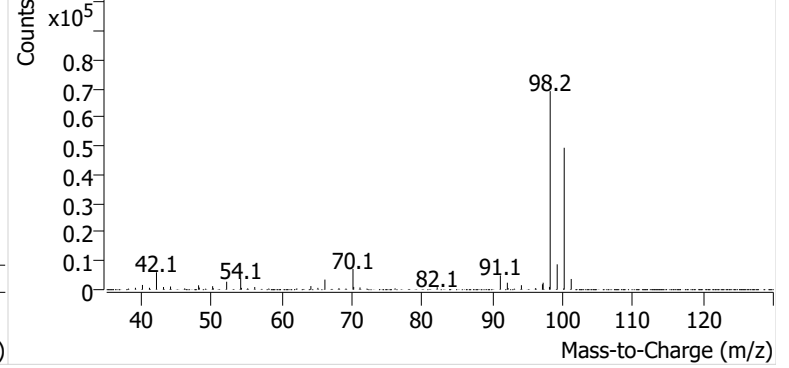


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2506998.D

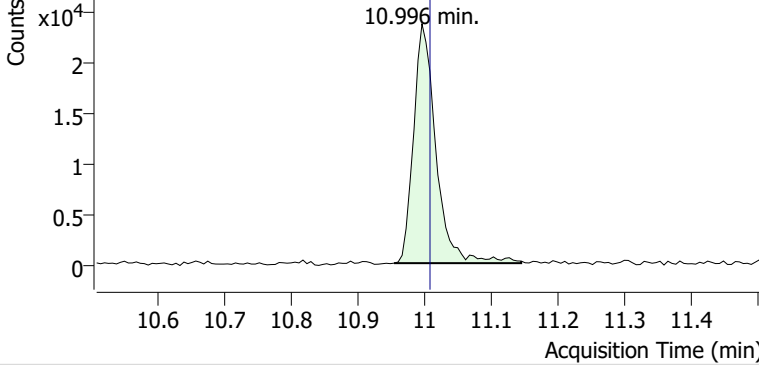


+ Scan (10.856-11.020 min, 28 scans) P2506998.D

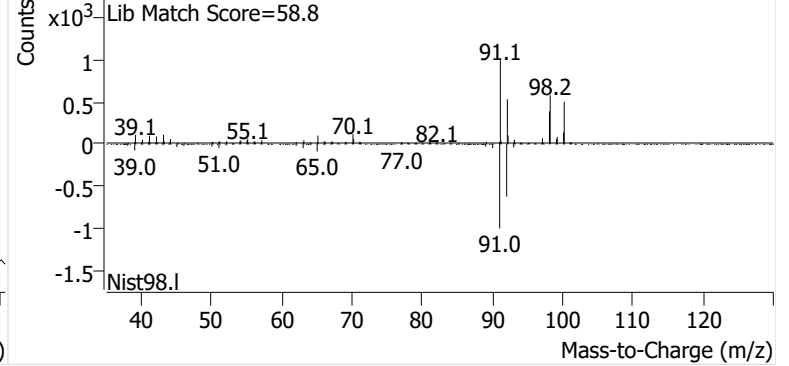


**Toluene**

+ EIC (91.1) Scan P2506998.D

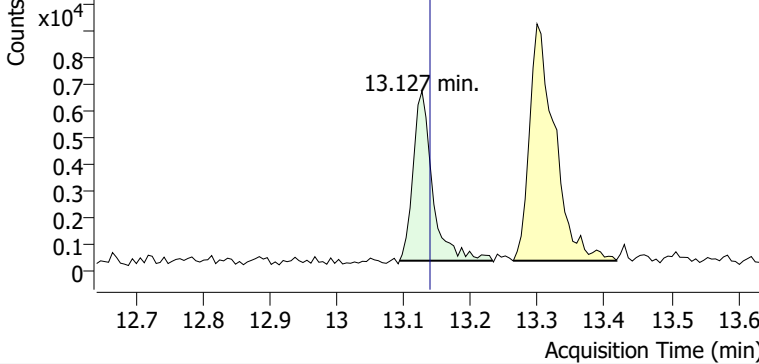


+ Scan (10.954-11.144 min, 33 scans) P2506998.D

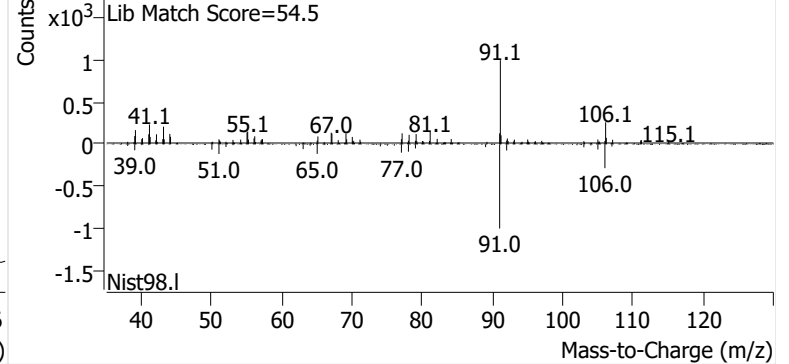


**Ethylbenzene**

+ EIC (91.1) Scan P2506998.D

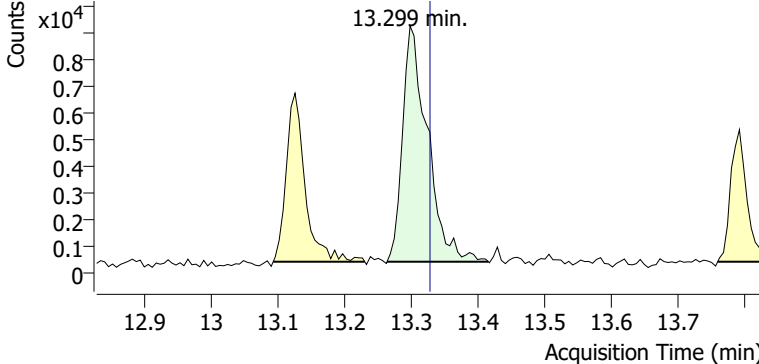


+ Scan (13.093-13.232 min, 23 scans) P2506998.D

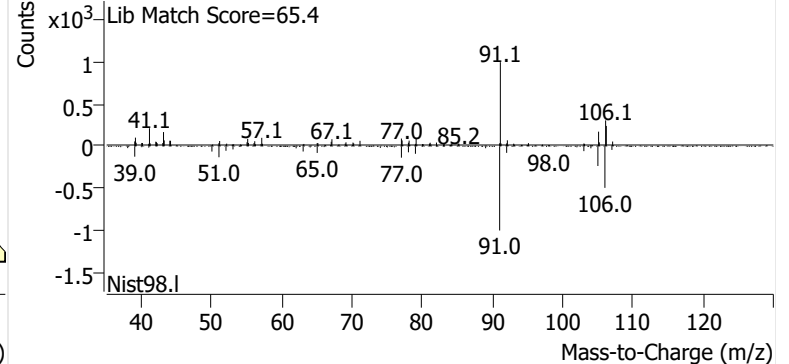


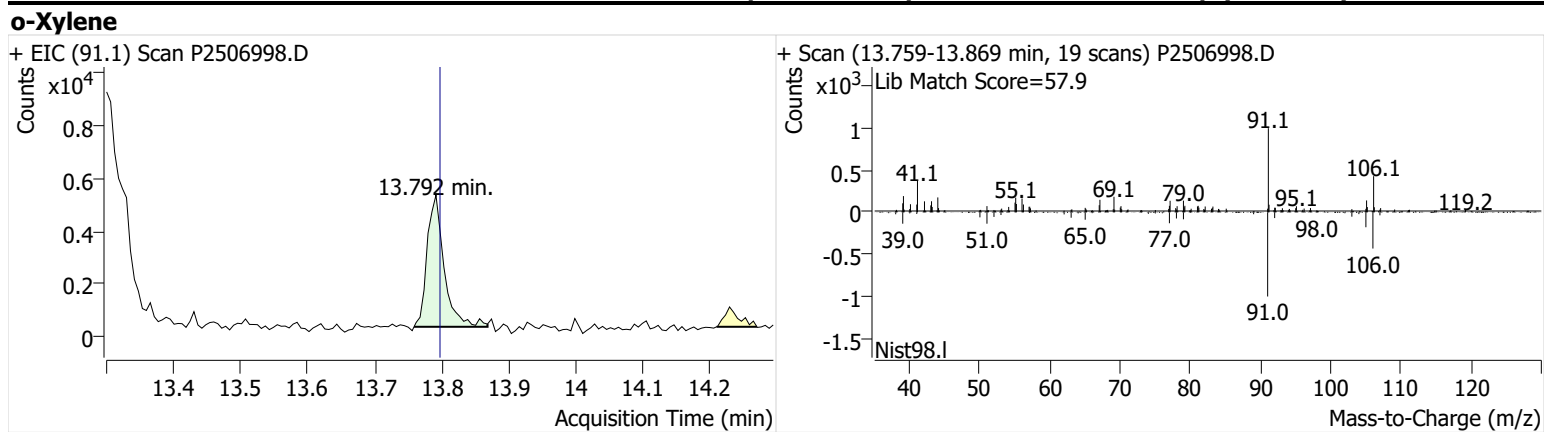
**m-/p-Xylenes**

+ EIC (91.1) Scan P2506998.D



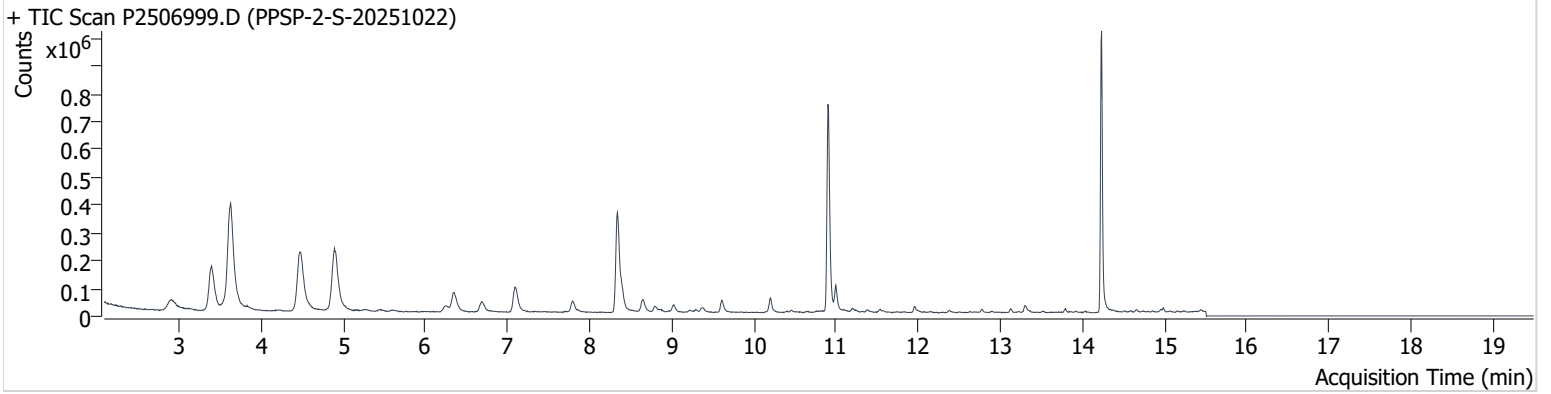
+ Scan (13.264-13.416 min, 25 scans) P2506998.D





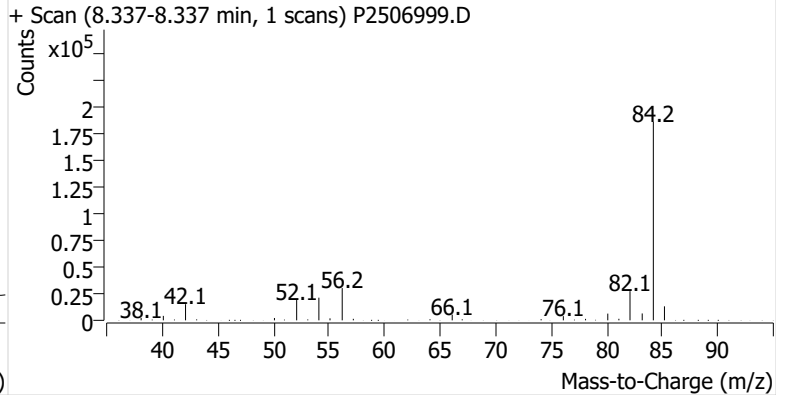
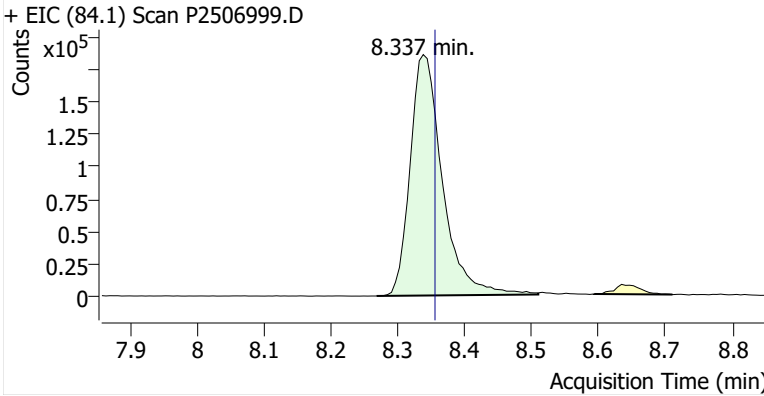
**Name** PPSP-2-S-20251022  
**Comment** C00558  
**Data File** P2506999.D  
**Acq. Date-Time** 11/13/2025 7:28:08 PM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

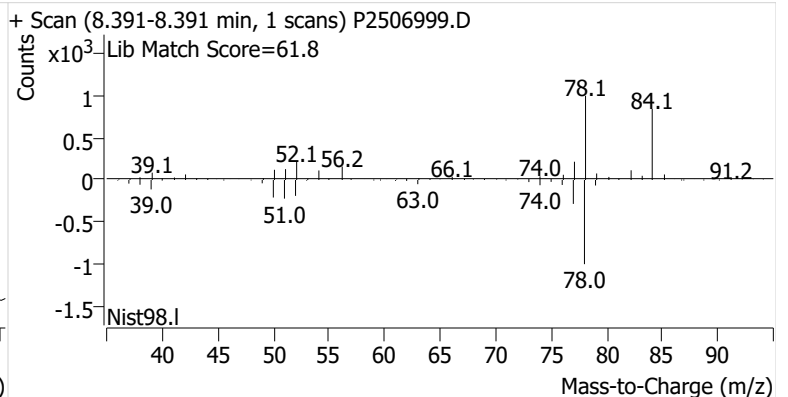
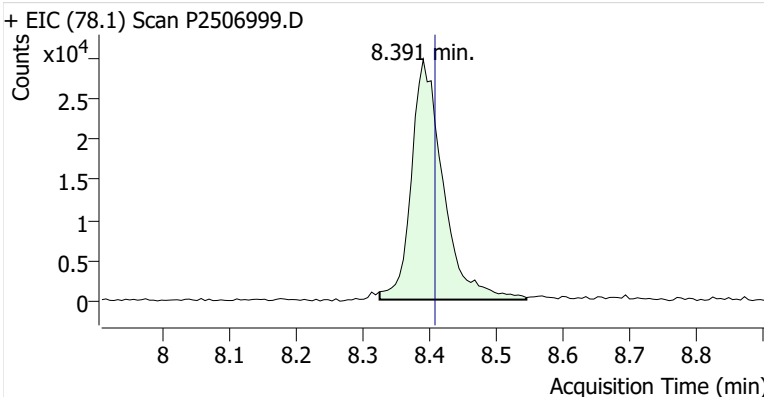


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.337	8.355	624,260	
Benzene	benzene-d6 (IS)	8.391	8.408	97,491	
Toluene-d8 (IS)		10.901	10.913	690,987	
Toluene	Toluene-d8 (IS)	10.996	11.008	74,391	
Ethylbenzene	Toluene-d8 (IS)	13.127	13.139	10,357	
m-/p-Xylenes	Toluene-d8 (IS)	13.299	13.329	24,226	
o-Xylene	Toluene-d8 (IS)	13.792	13.798	8,629	

**benzene-d6 (IS)**

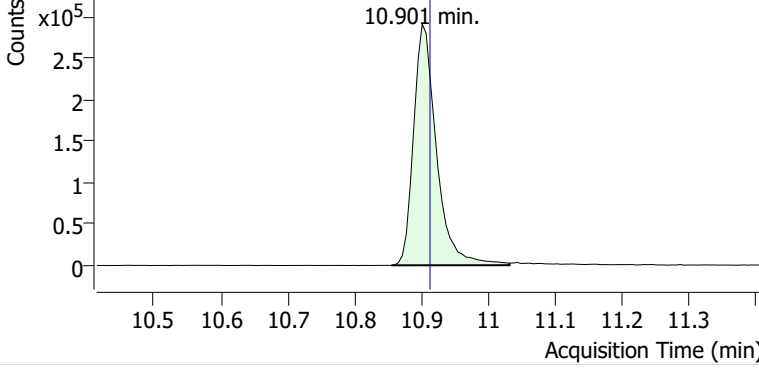


**Benzene**

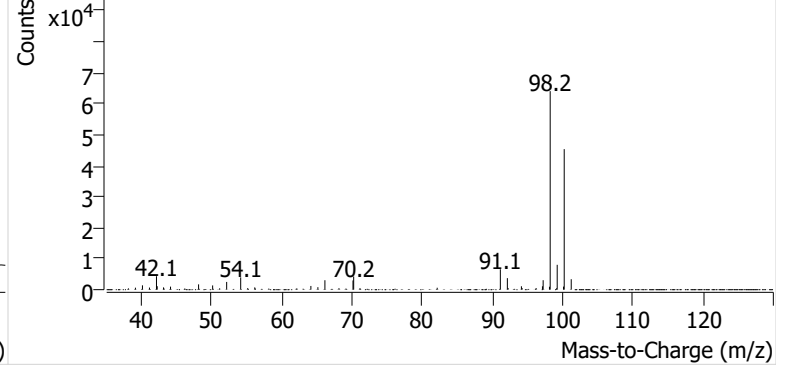


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2506999.D

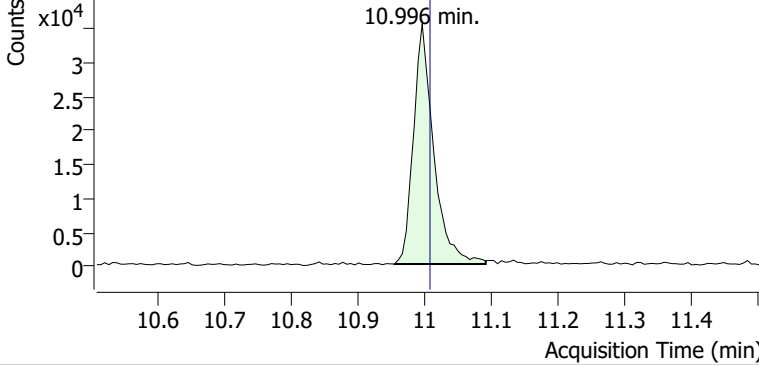


+ Scan (10.855-11.032 min, 30 scans) P2506999.D

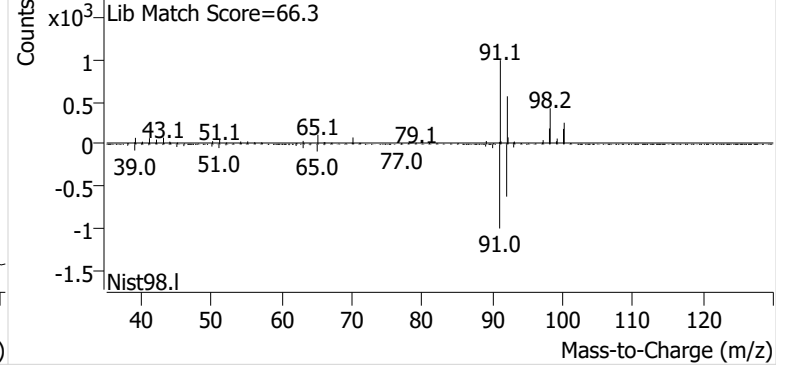


**Toluene**

+ EIC (91.1) Scan P2506999.D

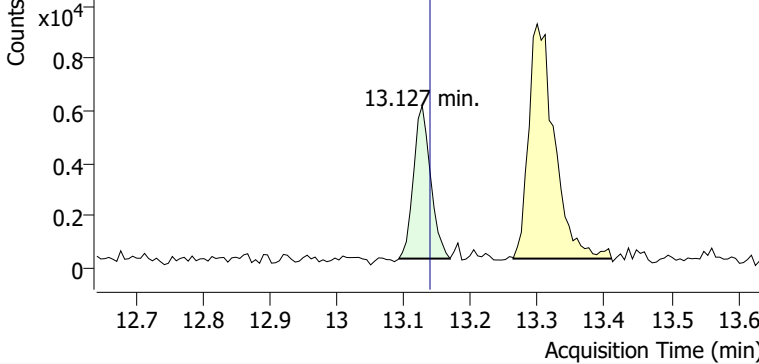


+ Scan (10.955-11.091 min, 24 scans) P2506999.D

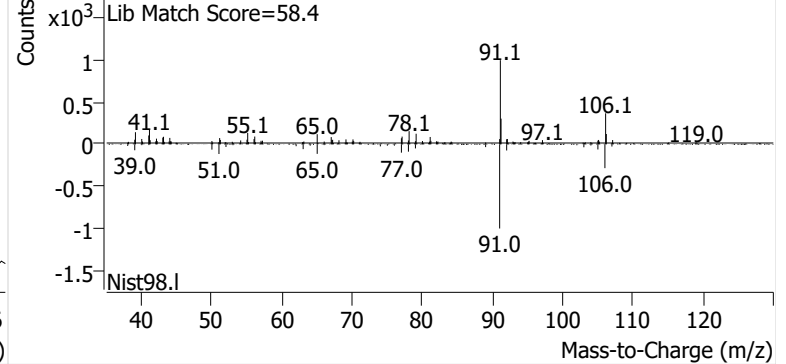


**Ethylbenzene**

+ EIC (91.1) Scan P2506999.D

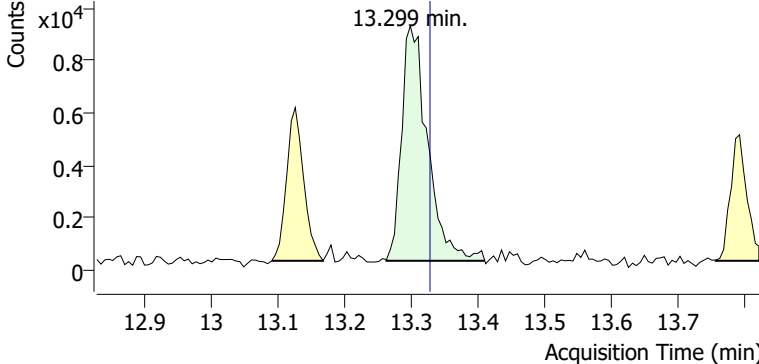


+ Scan (13.092-13.169 min, 13 scans) P2506999.D

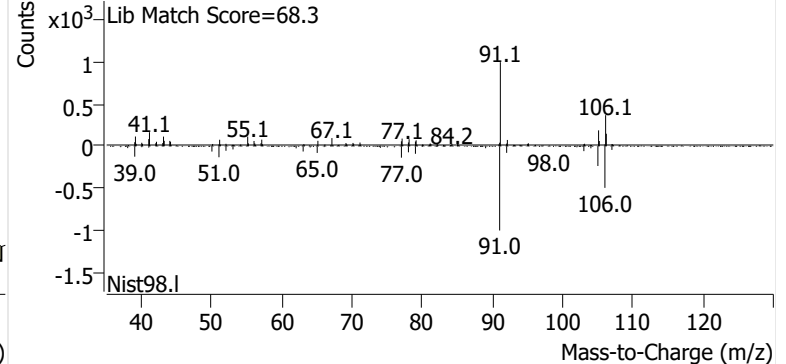


**m-/p-Xylenes**

+ EIC (91.1) Scan P2506999.D

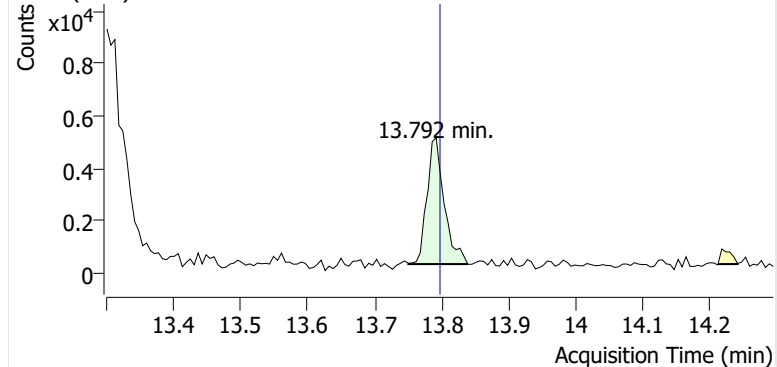


+ Scan (13.264-13.411 min, 25 scans) P2506999.D

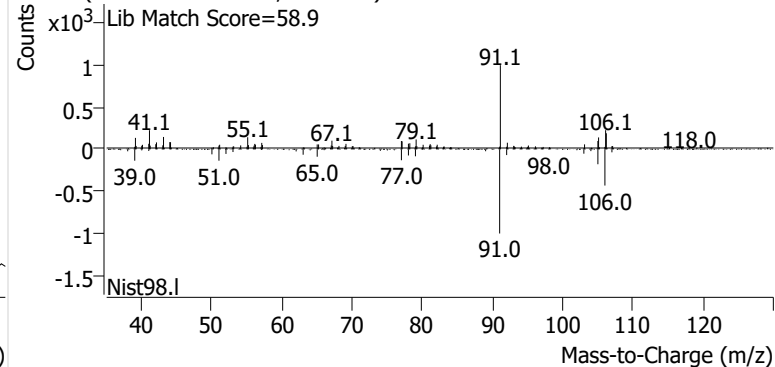


**o-Xylene**

+ EIC (91.1) Scan P2506999.D

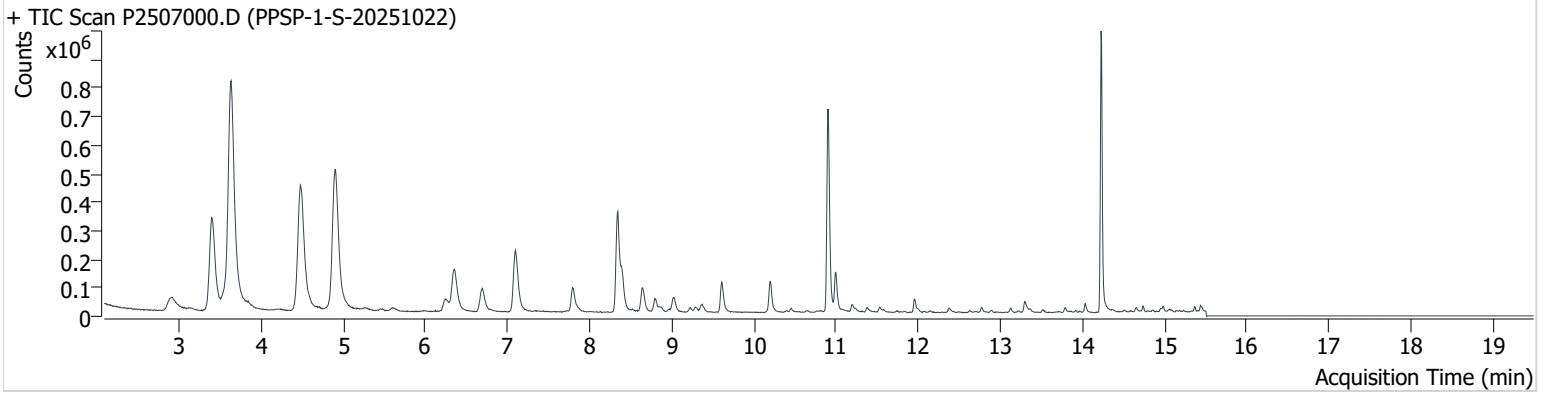


+ Scan (13.750-13.839 min, 15 scans) P2506999.D



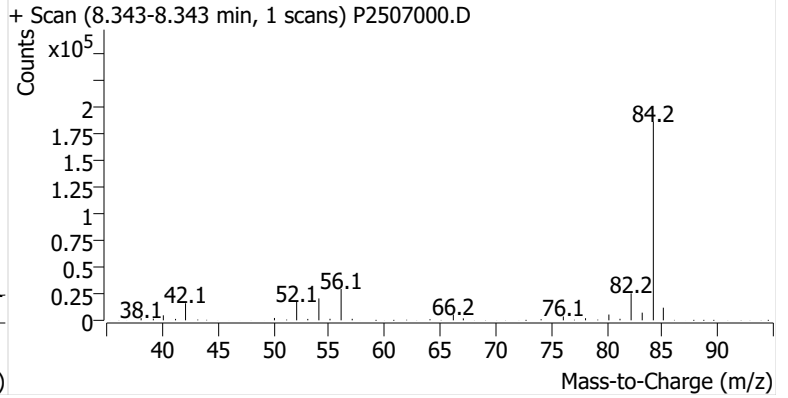
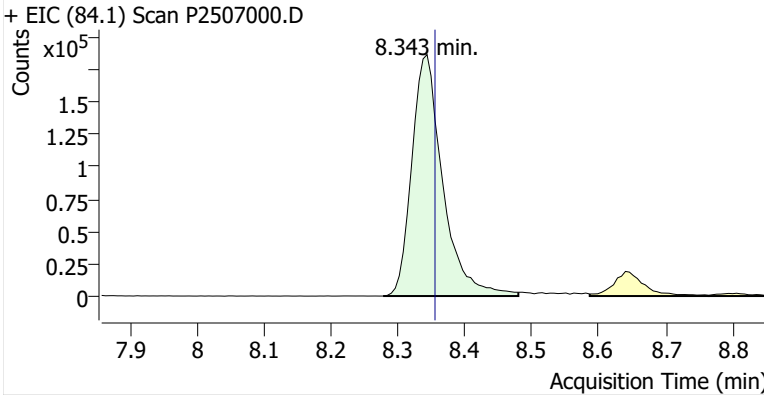
**Name** PPSP-1-S-20251022  
**Comment** C59934  
**Data File** P2507000.D  
**Acq. Date-Time** 11/13/2025 8:05:26 PM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

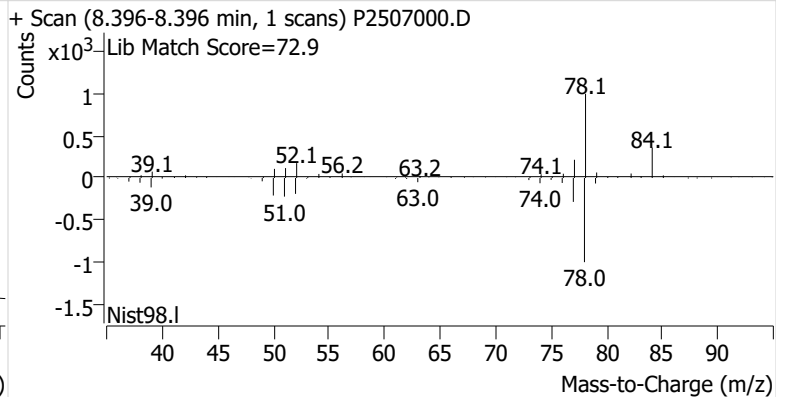
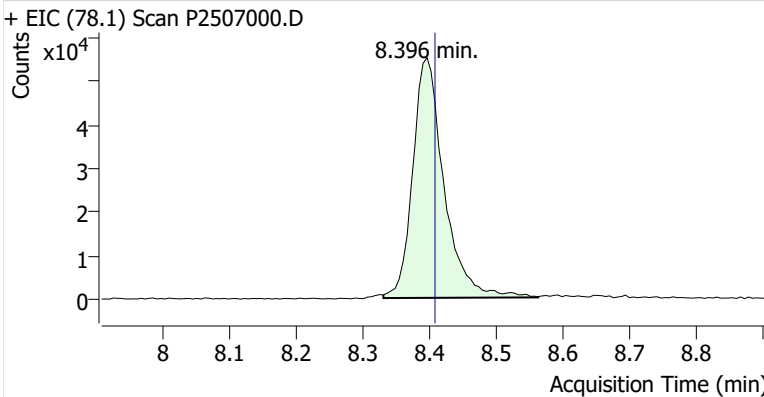


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.343	8.355	599,347	
Benzene	benzene-d6 (IS)	8.396	8.408	179,110	
Toluene-d8 (IS)		10.901	10.913	655,807	
Toluene	Toluene-d8 (IS)	10.996	11.008	125,808	
Ethylbenzene	Toluene-d8 (IS)	13.127	13.139	12,899	
m-/p-Xylenes	Toluene-d8 (IS)	13.299	13.329	35,731	
o-Xylene	Toluene-d8 (IS)	13.786	13.798	10,914	

**benzene-d6 (IS)**

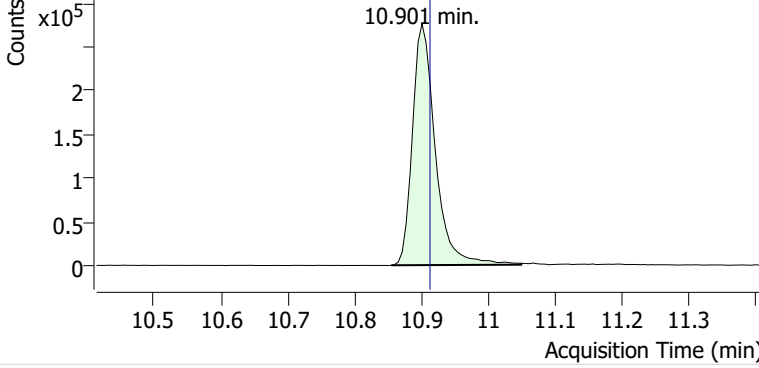


**Benzene**

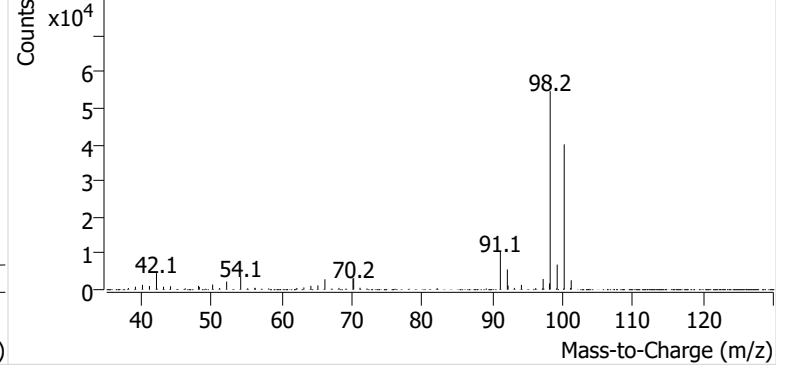


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2507000.D

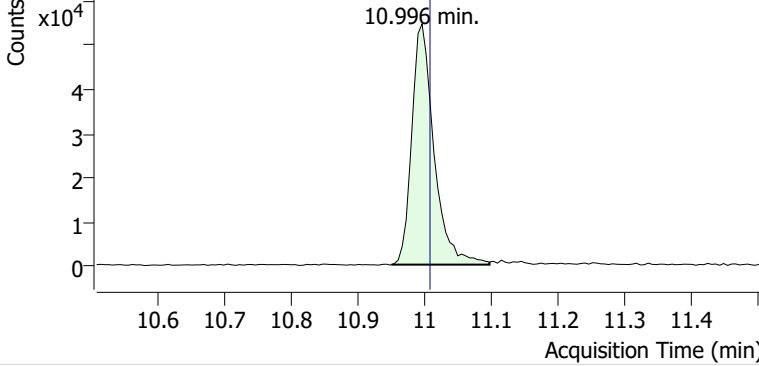


+ Scan (10.855-11.050 min, 33 scans) P2507000.D

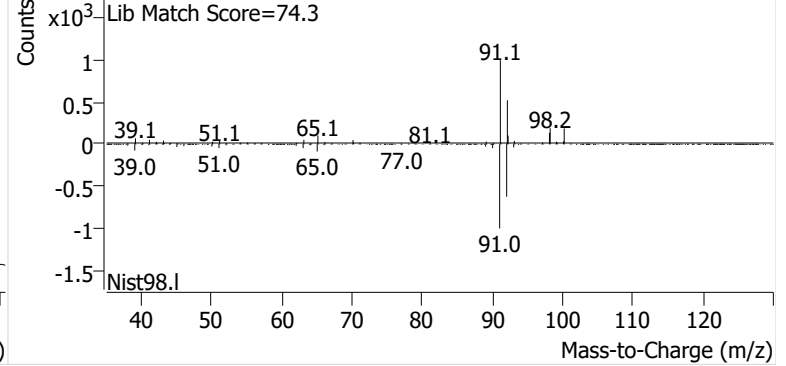


**Toluene**

+ EIC (91.1) Scan P2507000.D

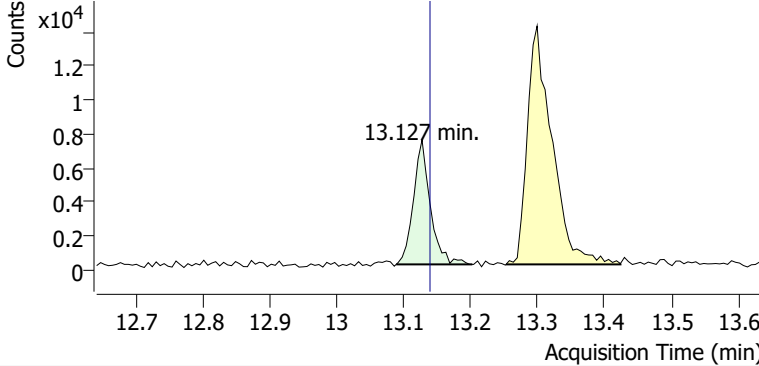


+ Scan (10.950-11.097 min, 25 scans) P2507000.D

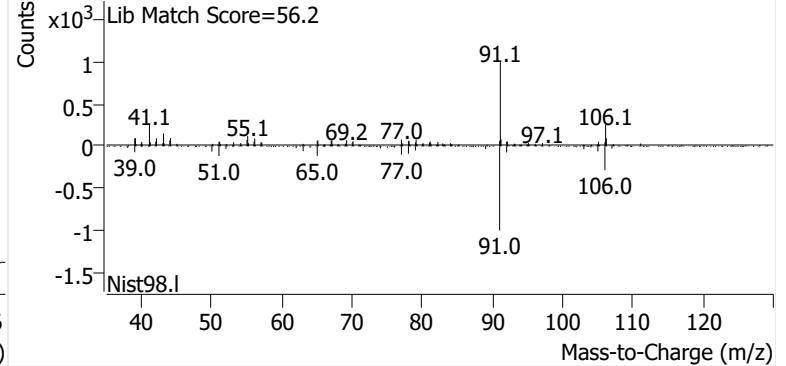


**Ethylbenzene**

+ EIC (91.1) Scan P2507000.D

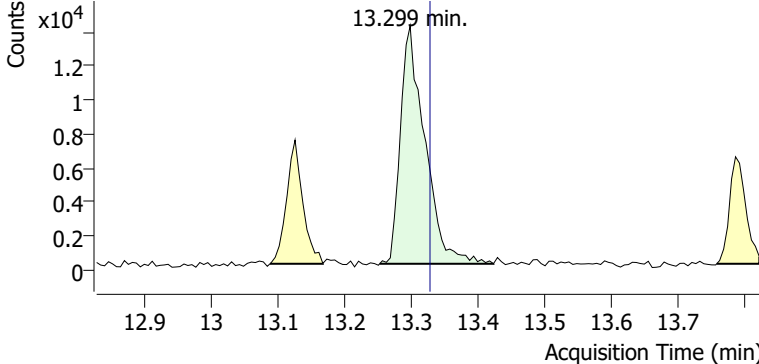


+ Scan (13.088-13.202 min, 19 scans) P2507000.D

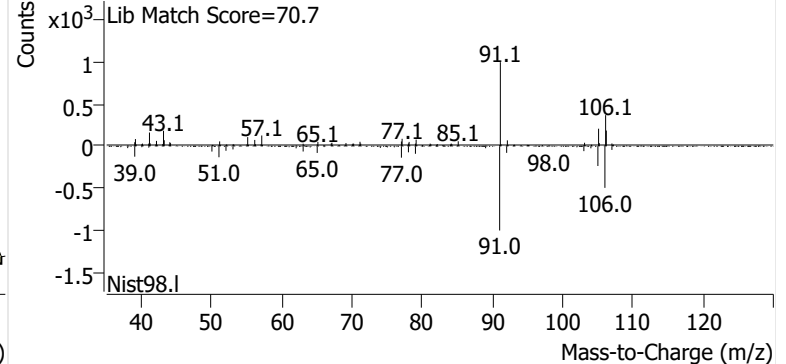


**m-/p-Xylenes**

+ EIC (91.1) Scan P2507000.D

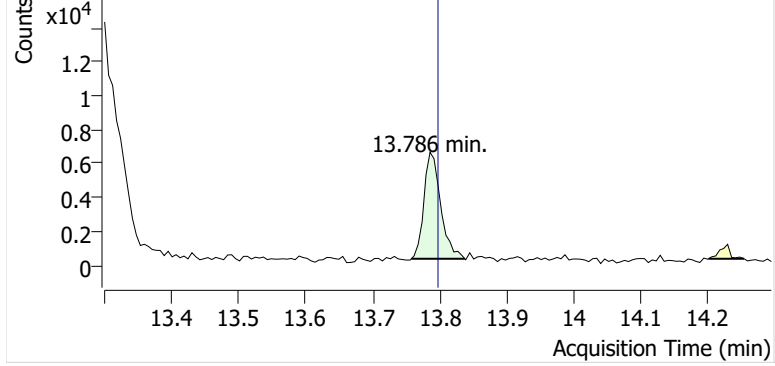


+ Scan (13.253-13.424 min, 29 scans) P2507000.D

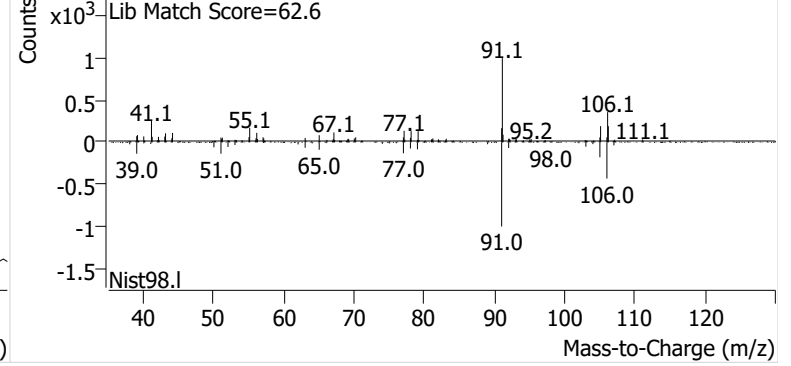


**o-Xylene**

+ EIC (91.1) Scan P2507000.D

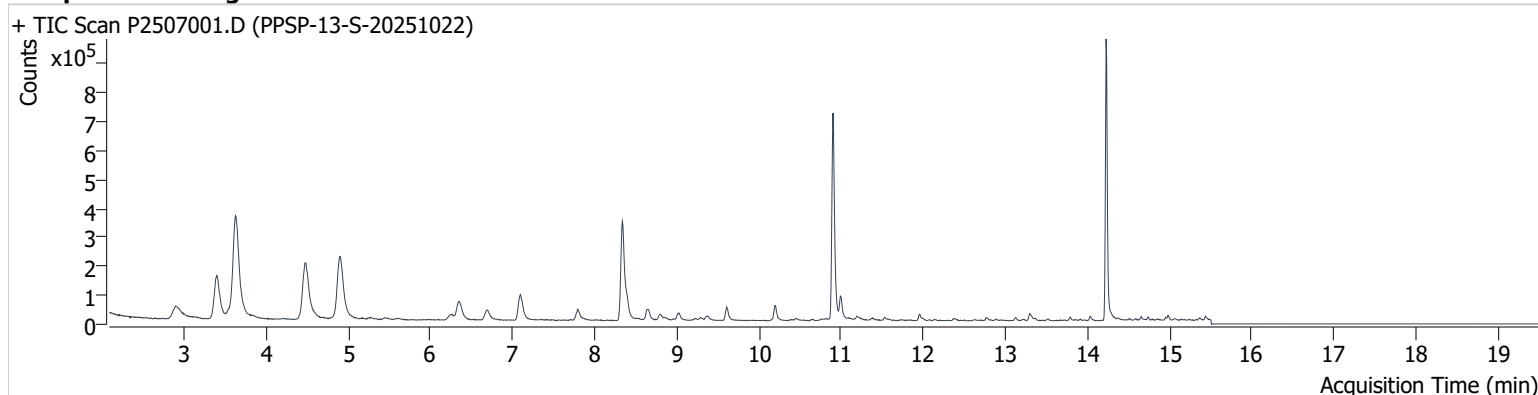


+ Scan (13.758-13.838 min, 13 scans) P2507000.D



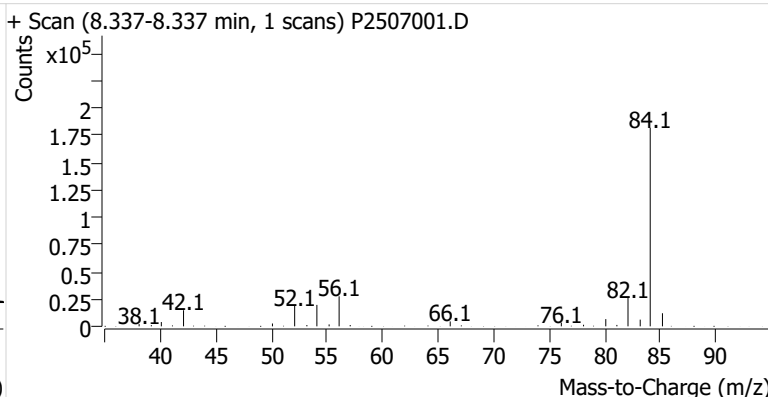
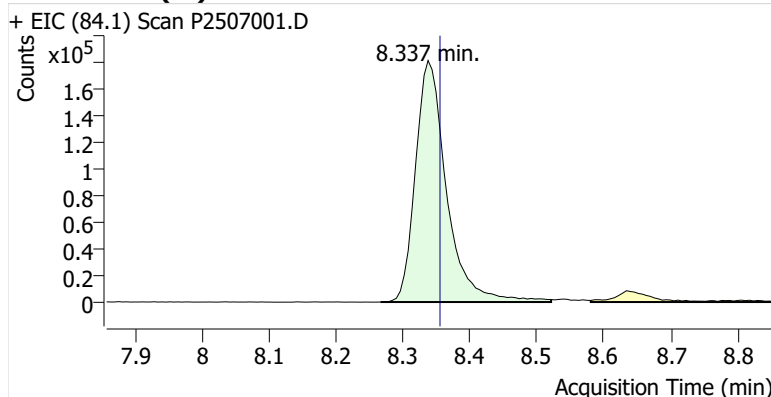
**Name** PPSP-13-S-20251022  
**Comment** C43886  
**Data File** P2507001.D  
**Acq. Date-Time** 11/13/2025 8:42:46 PM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

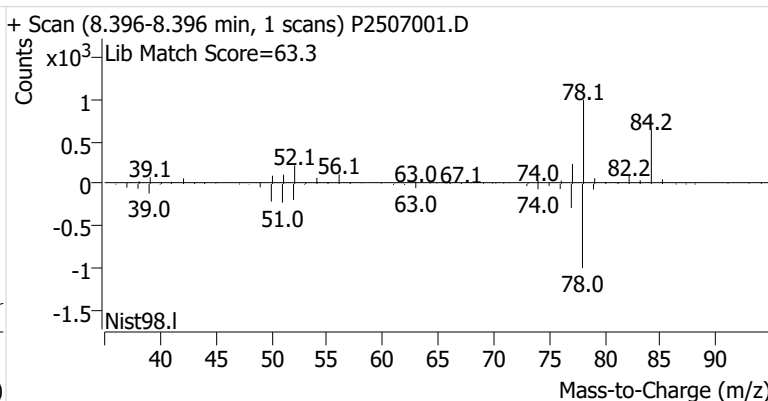
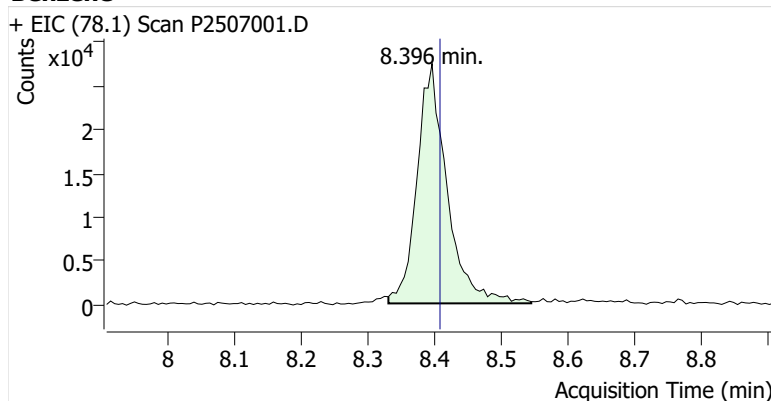


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.337	8.355	587,347	
Benzene	benzene-d6 (IS)	8.396	8.408	85,346	
Toluene-d8 (IS)		10.901	10.913	628,185	
Toluene	Toluene-d8 (IS)	10.990	11.008	66,955	
Ethylbenzene	Toluene-d8 (IS)	13.121	13.139	8,705	
m-/p-Xylenes	Toluene-d8 (IS)	13.299	13.329	22,311	
o-Xylene	Toluene-d8 (IS)	13.786	13.798	7,323	

**benzene-d6 (IS)**

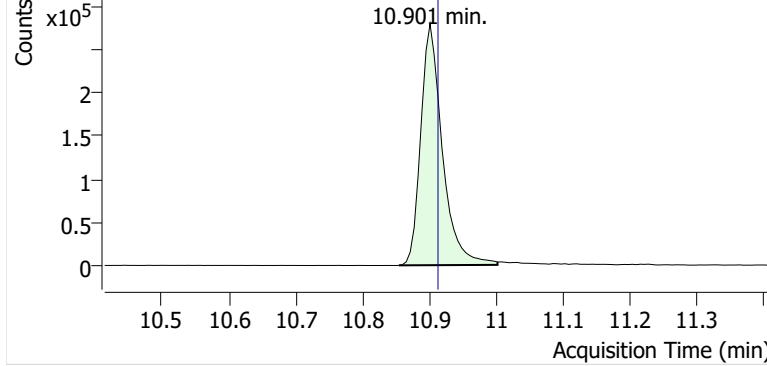


**Benzene**

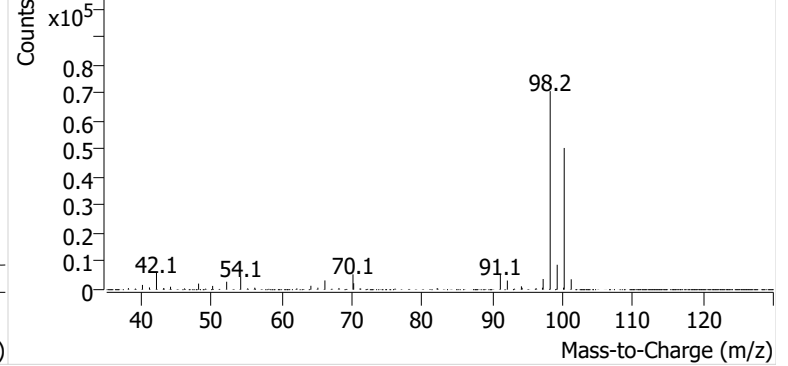


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2507001.D

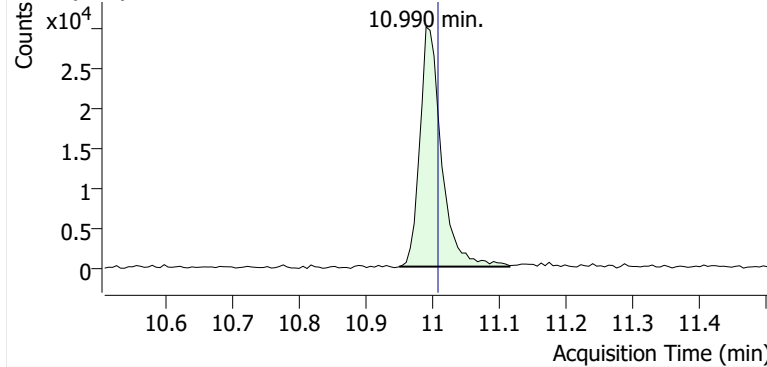


+ Scan (10.855-11.002 min, 25 scans) P2507001.D

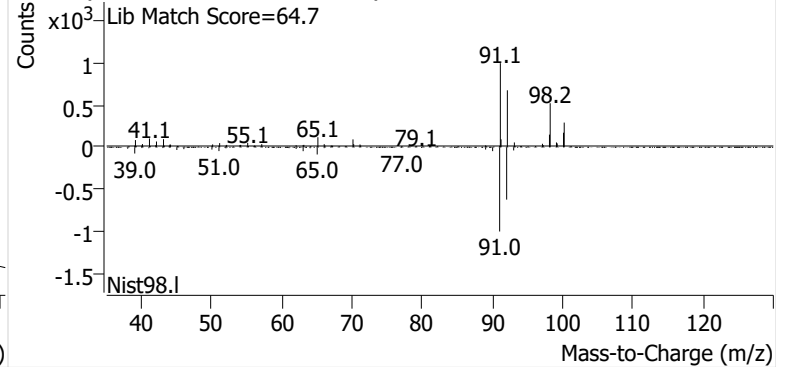


**Toluene**

+ EIC (91.1) Scan P2507001.D

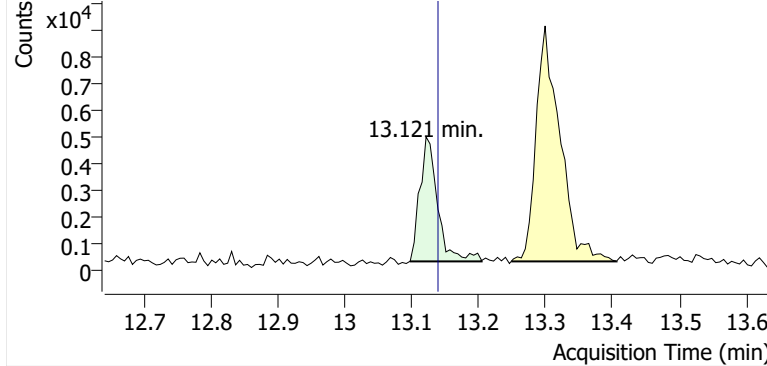


+ Scan (10.950-11.115 min, 28 scans) P2507001.D

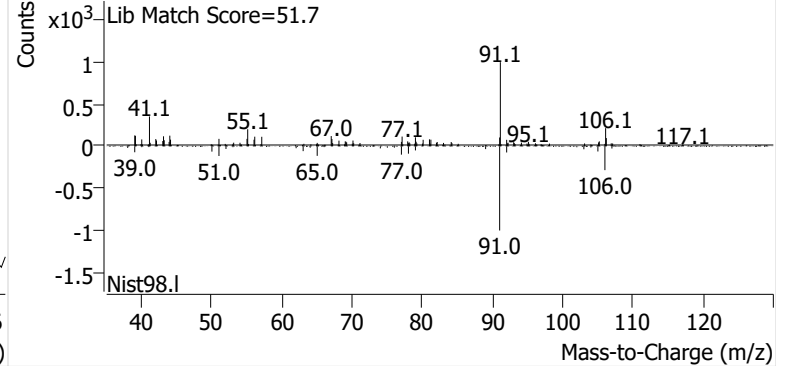


**Ethylbenzene**

+ EIC (91.1) Scan P2507001.D

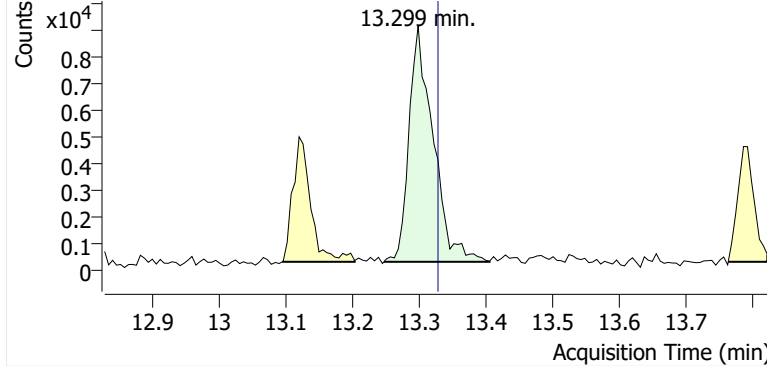


+ Scan (13.097-13.204 min, 19 scans) P2507001.D

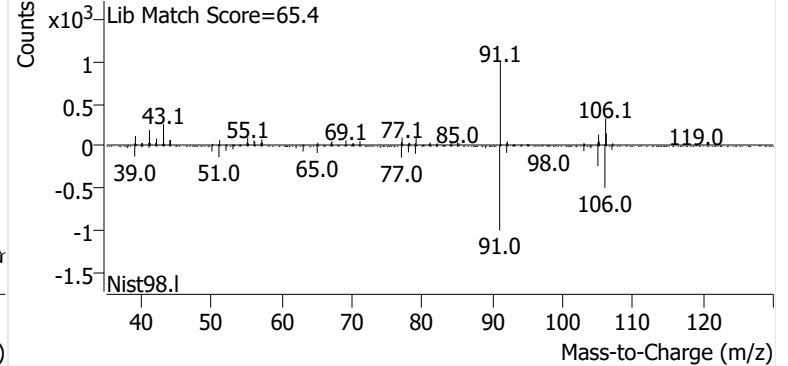


**m-/p-Xylenes**

+ EIC (91.1) Scan P2507001.D

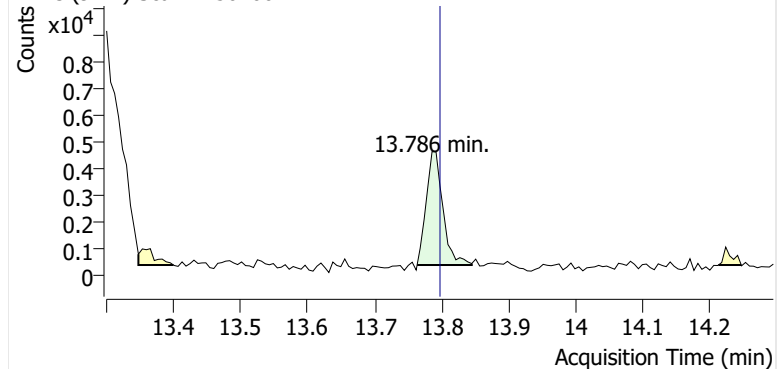


+ Scan (13.248-13.406 min, 27 scans) P2507001.D

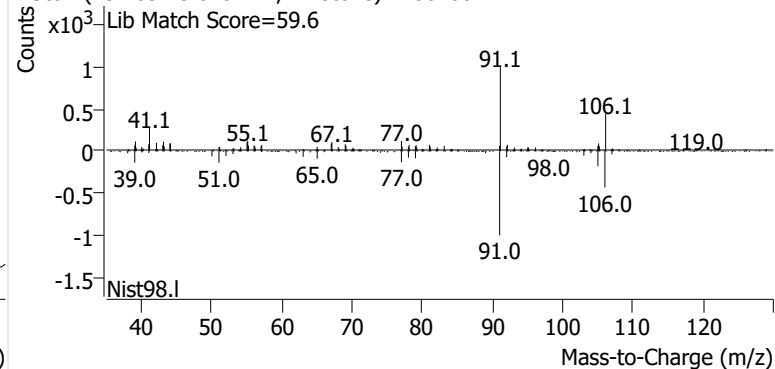


**o-Xylene**

+ EIC (91.1) Scan P2507001.D

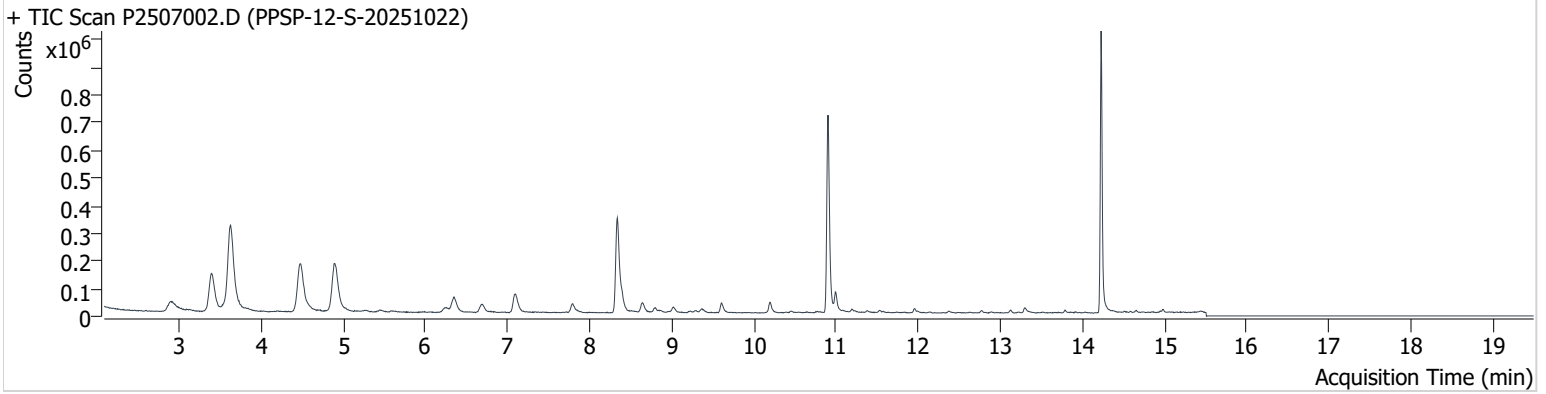


+ Scan (13.763-13.845 min, 14 scans) P2507001.D



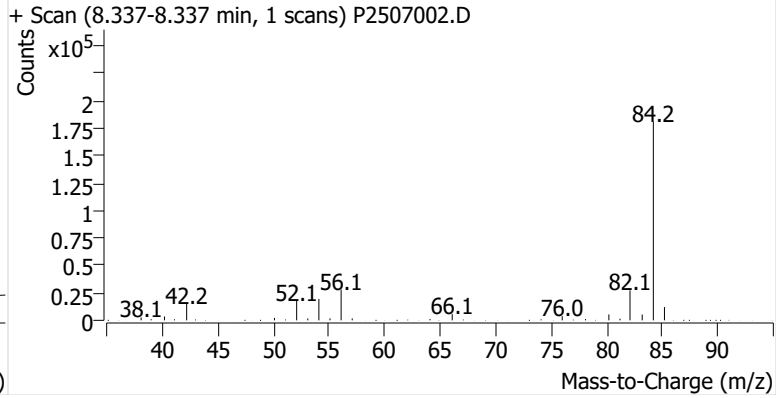
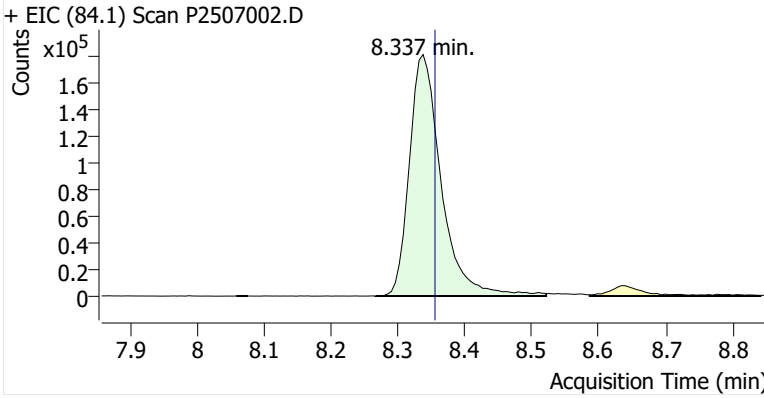
**Name** PPSP-12-S-20251022  
**Comment** C01880  
**Data File** P2507002.D  
**Acq. Date-Time** 11/13/2025 9:20:08 PM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

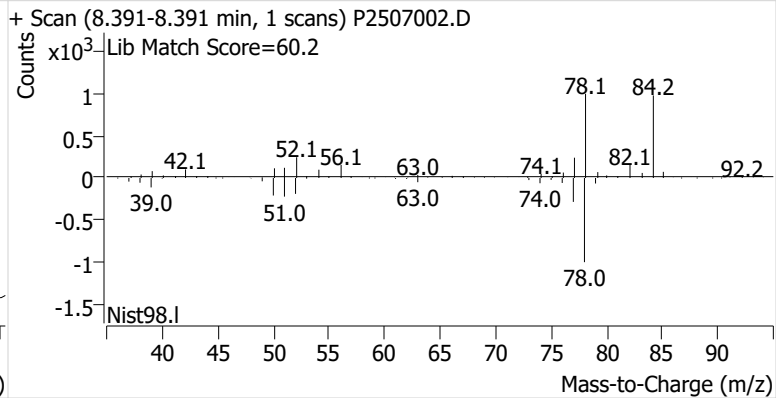
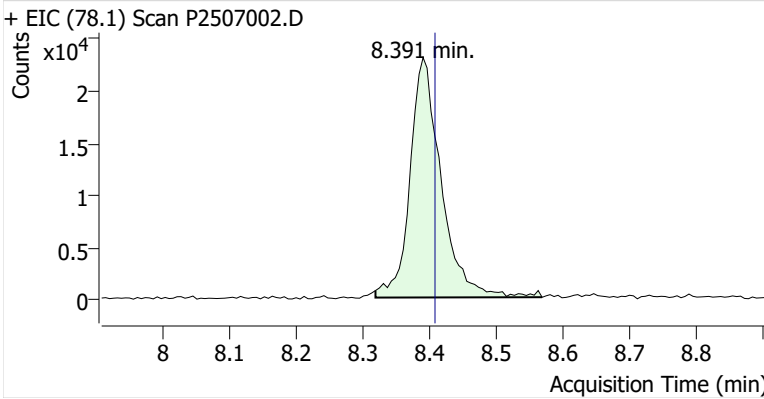


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.337	8.355	596,227	
Benzene	benzene-d6 (IS)	8.391	8.408	74,667	
Toluene-d8 (IS)		10.901	10.913	646,567	
Toluene	Toluene-d8 (IS)	10.996	11.008	57,689	
Ethylbenzene	Toluene-d8 (IS)	13.121	13.139	8,068	
m-/p-Xylenes	Toluene-d8 (IS)	13.305	13.329	16,523	
o-Xylene	Toluene-d8 (IS)	13.786	13.798	6,390	

**benzene-d6 (IS)**

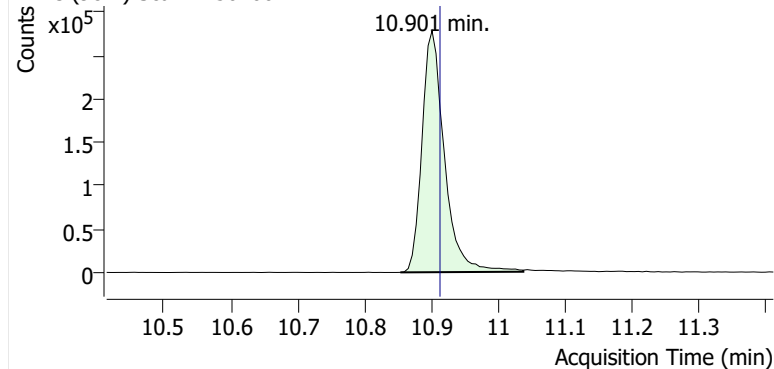


**Benzene**

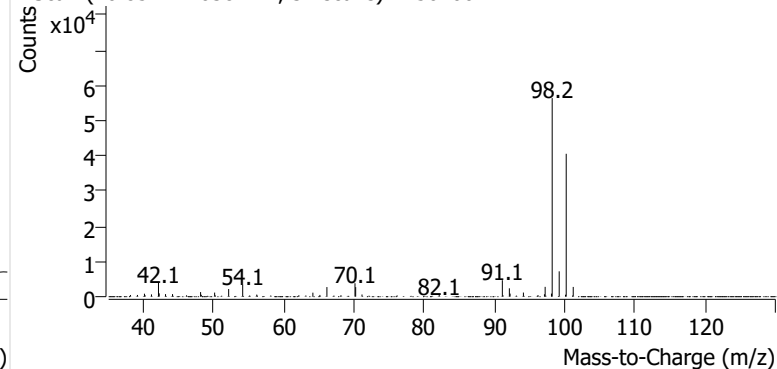


**Toluene-d8 (IS)**

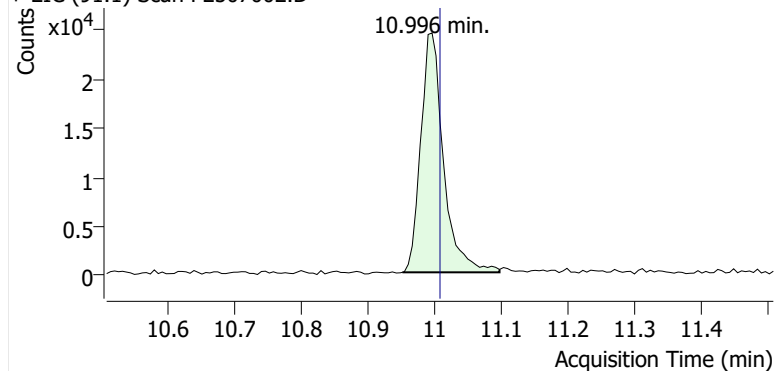
+ EIC (98.1) Scan P2507002.D



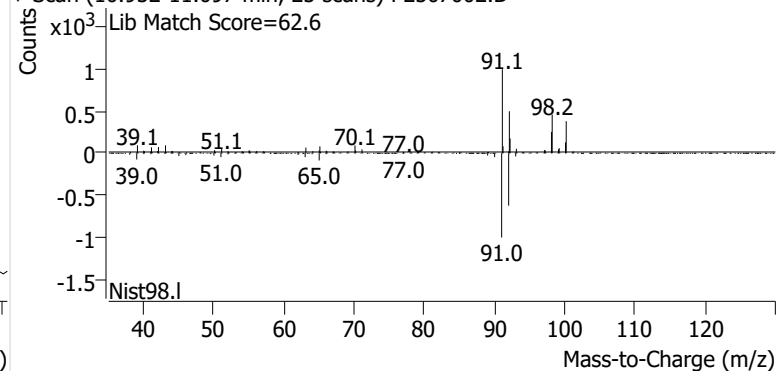
+ Scan (10.854-11.038 min, 32 scans) P2507002.D

**Toluene**

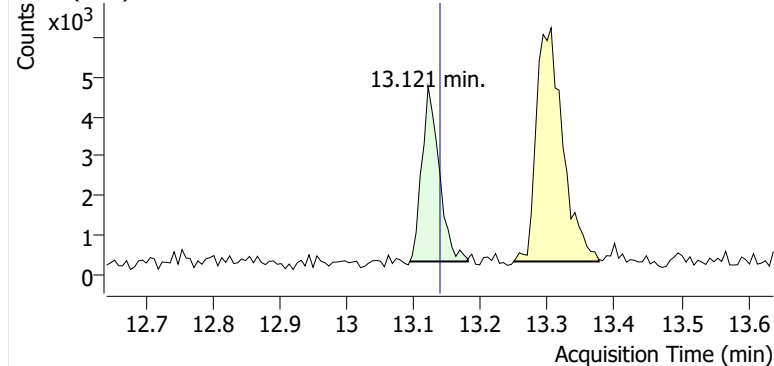
+ EIC (91.1) Scan P2507002.D



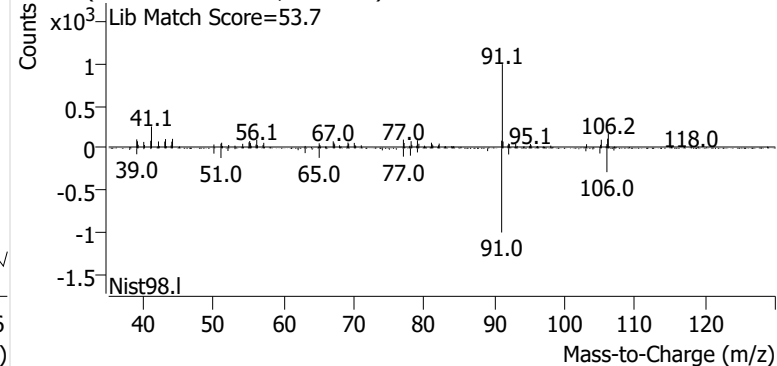
+ Scan (10.952-11.097 min, 25 scans) P2507002.D

**Ethylbenzene**

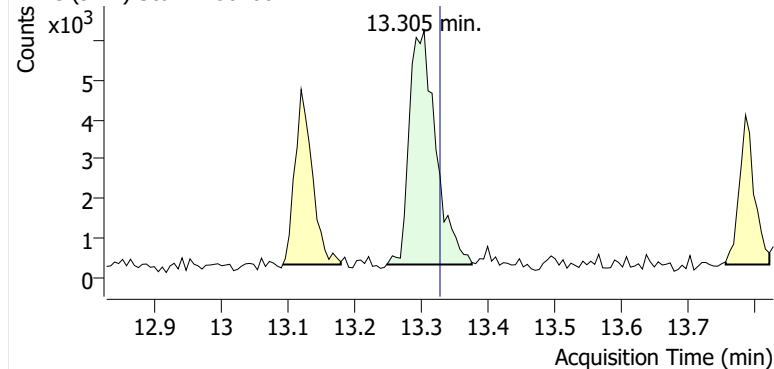
+ EIC (91.1) Scan P2507002.D



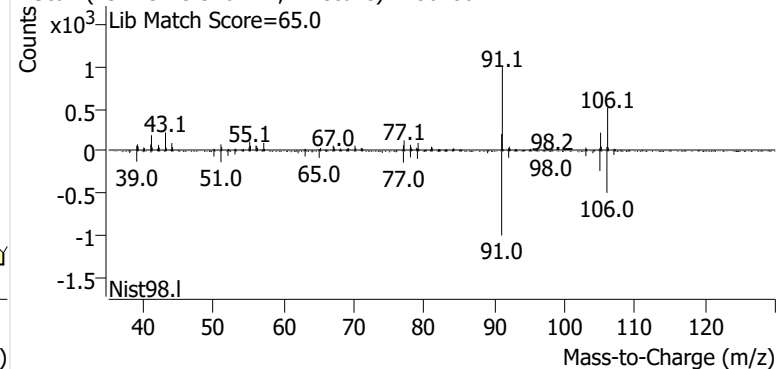
+ Scan (13.094-13.180 min, 15 scans) P2507002.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2507002.D

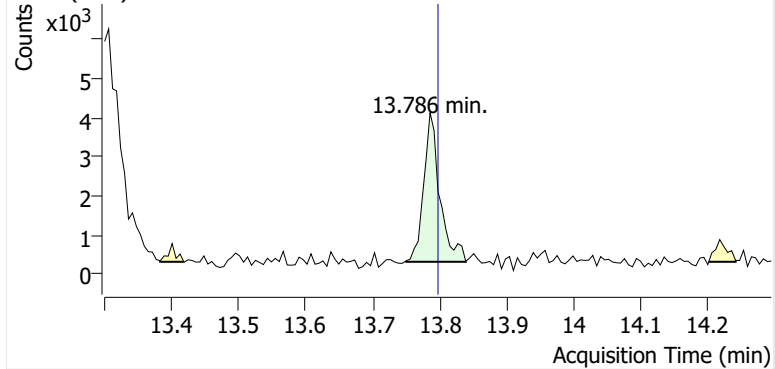


+ Scan (13.249-13.376 min, 22 scans) P2507002.D

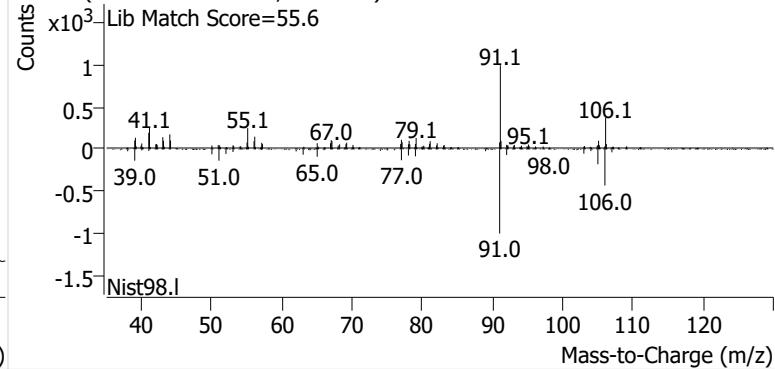


**o-Xylene**

+ EIC (91.1) Scan P2507002.D

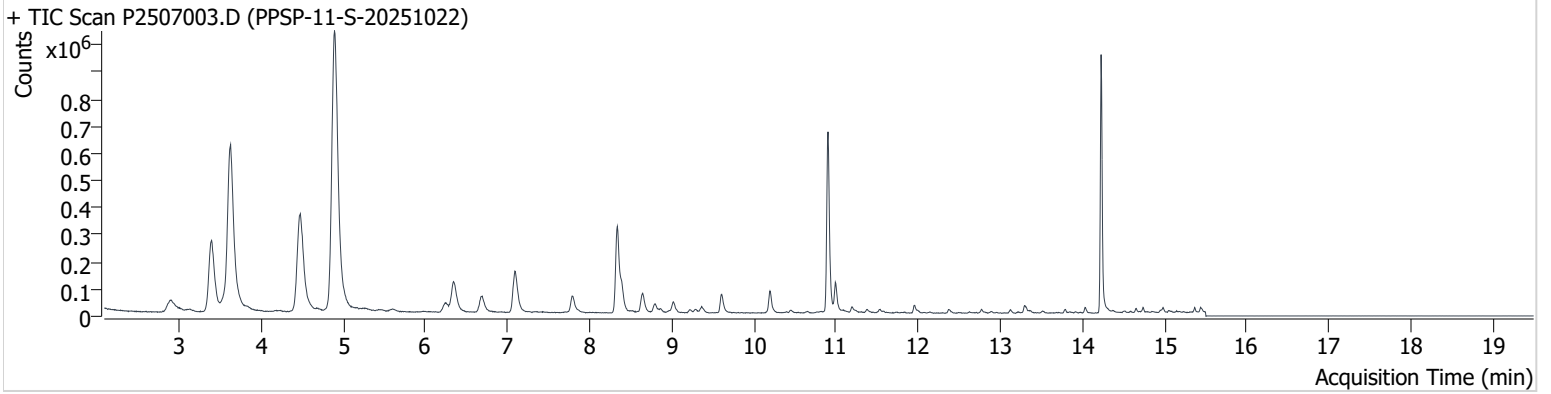


+ Scan (13.750-13.839 min, 16 scans) P2507002.D



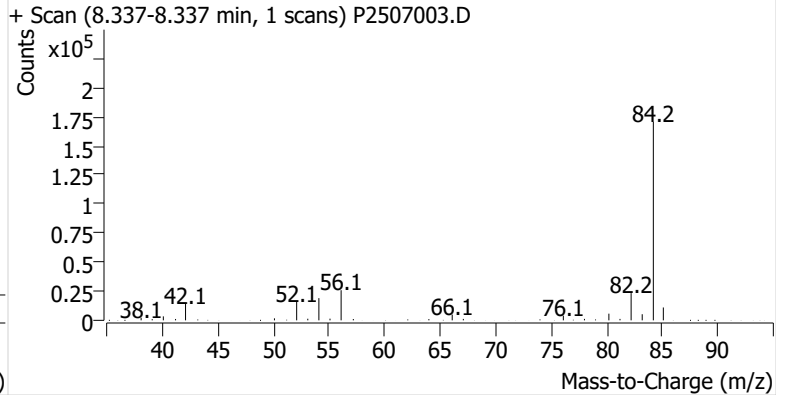
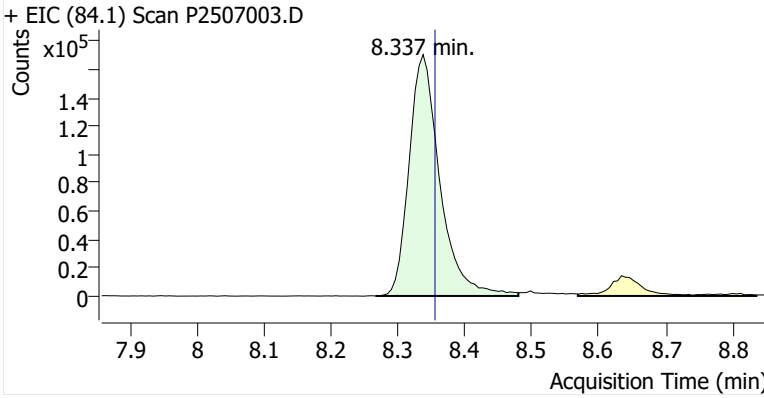
**Name** PPSP-11-S-20251022  
**Comment** C65324  
**Data File** P2507003.D  
**Acq. Date-Time** 11/13/2025 9:57:27 PM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

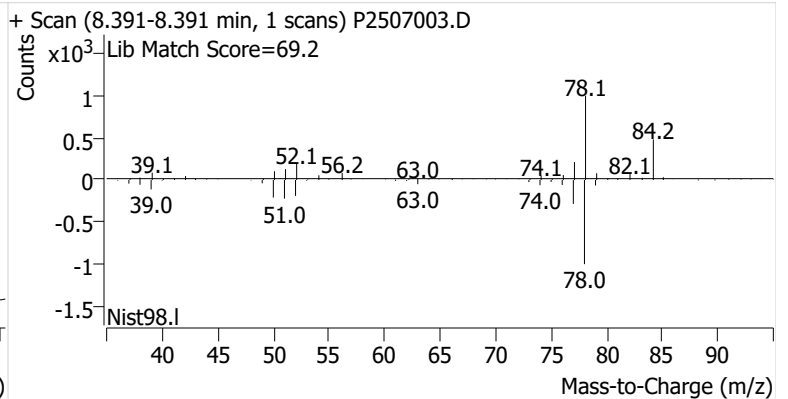
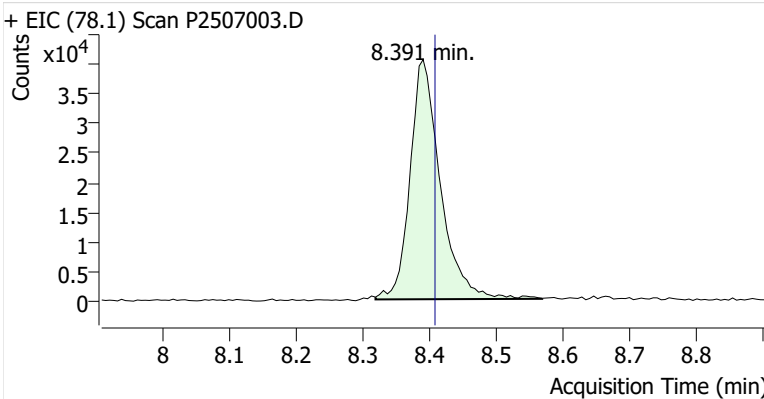


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.337	8.355	545,239	
Benzene	benzene-d6 (IS)	8.391	8.408	127,779	
Toluene-d8 (IS)		10.901	10.913	596,522	
Toluene	Toluene-d8 (IS)	10.990	11.008	95,769	
Ethylbenzene	Toluene-d8 (IS)	13.121	13.139	10,884	
m-/p-Xylenes	Toluene-d8 (IS)	13.293	13.329	25,311	
o-Xylene	Toluene-d8 (IS)	13.792	13.798	9,067	

**benzene-d6 (IS)**

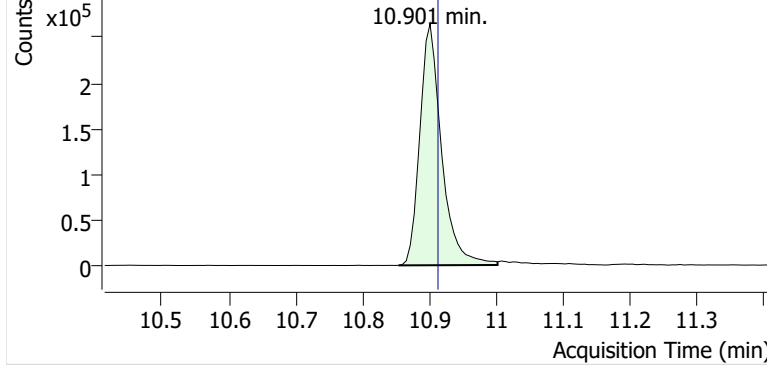


**Benzene**

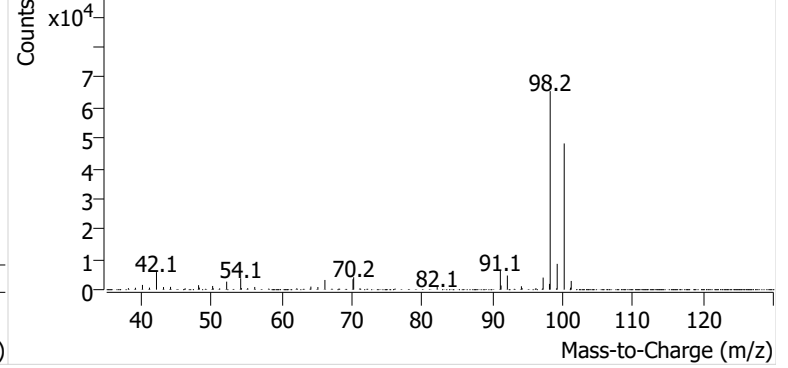


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2507003.D

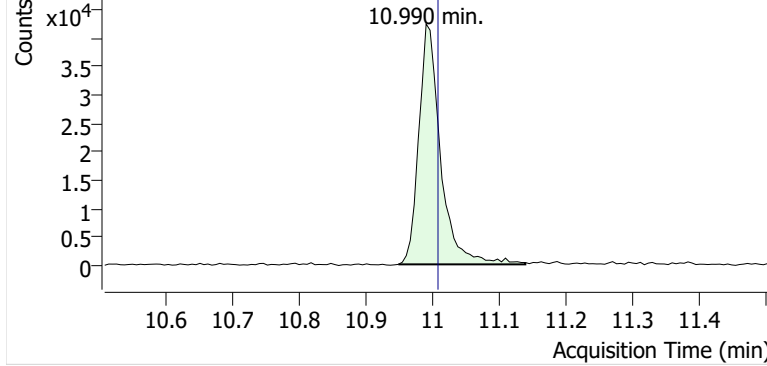


+ Scan (10.854-11.002 min, 25 scans) P2507003.D

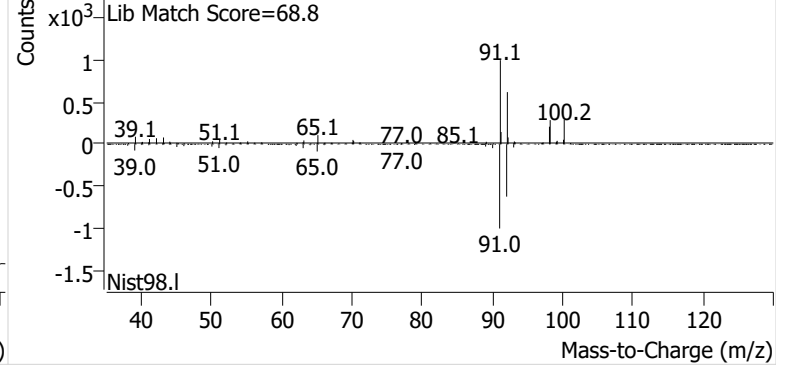


**Toluene**

+ EIC (91.1) Scan P2507003.D

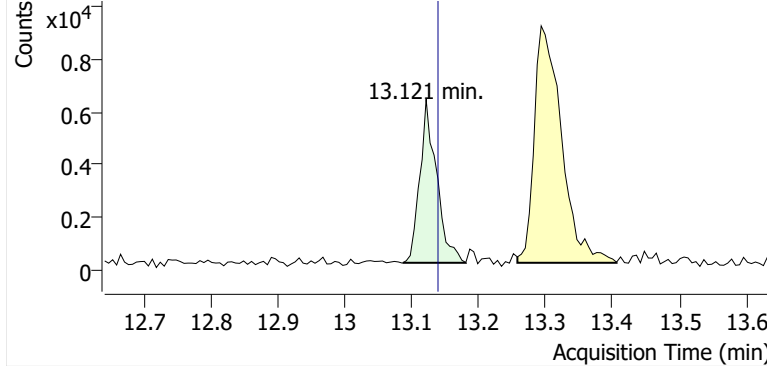


+ Scan (10.949-11.139 min, 32 scans) P2507003.D

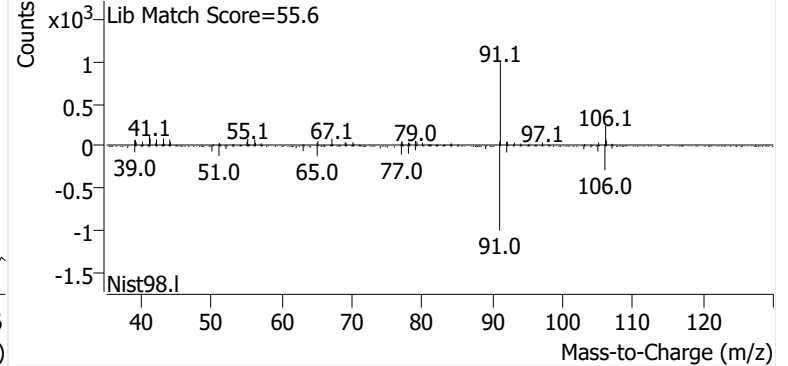


**Ethylbenzene**

+ EIC (91.1) Scan P2507003.D

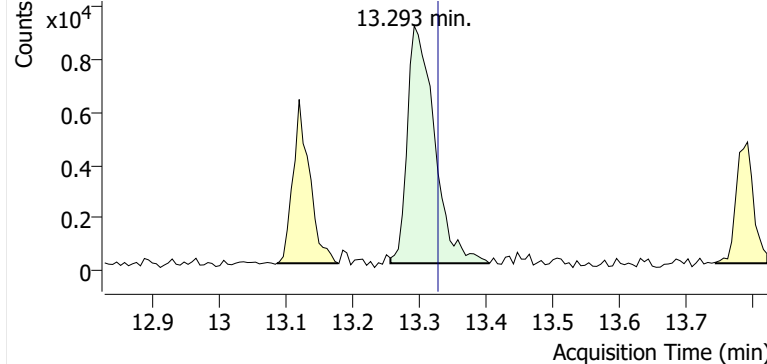


+ Scan (13.086-13.180 min, 16 scans) P2507003.D

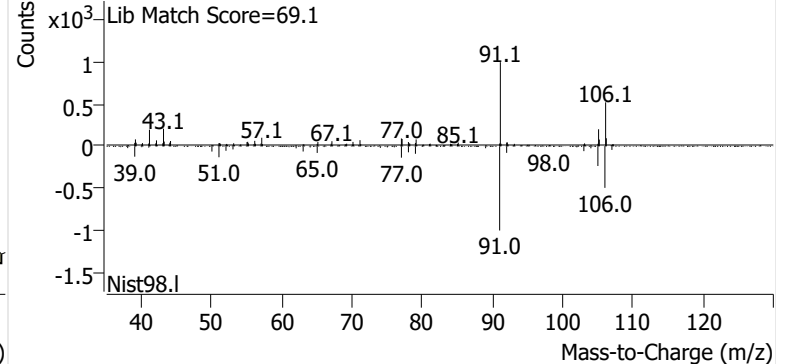


**m-/p-Xylenes**

+ EIC (91.1) Scan P2507003.D

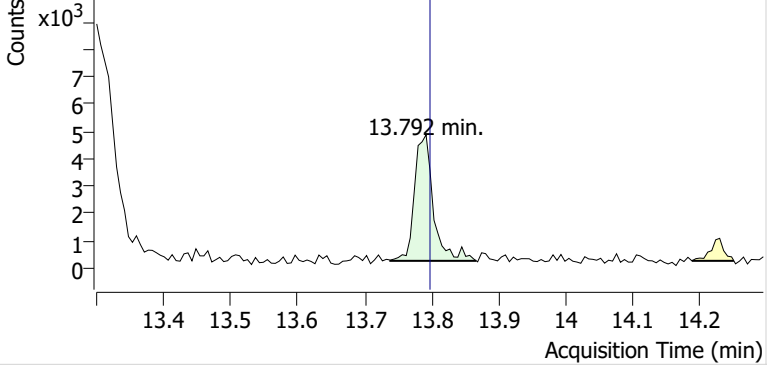


+ Scan (13.258-13.406 min, 25 scans) P2507003.D

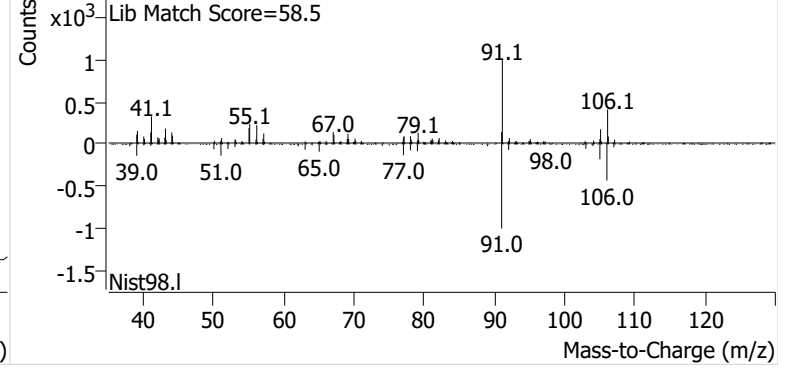


**o-Xylene**

+ EIC (91.1) Scan P2507003.D

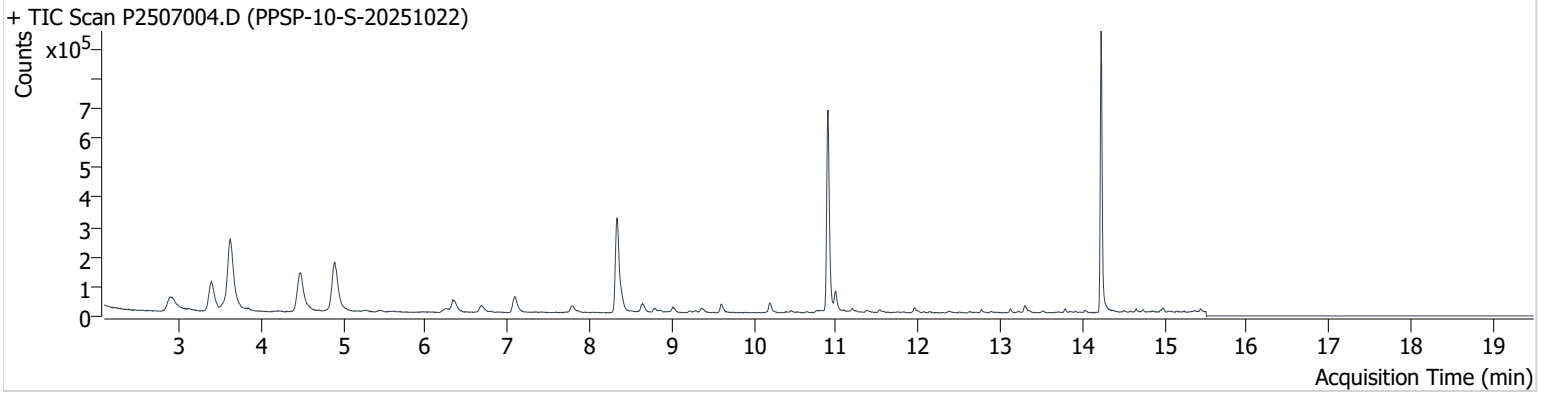


+ Scan (13.738-13.867 min, 22 scans) P2507003.D



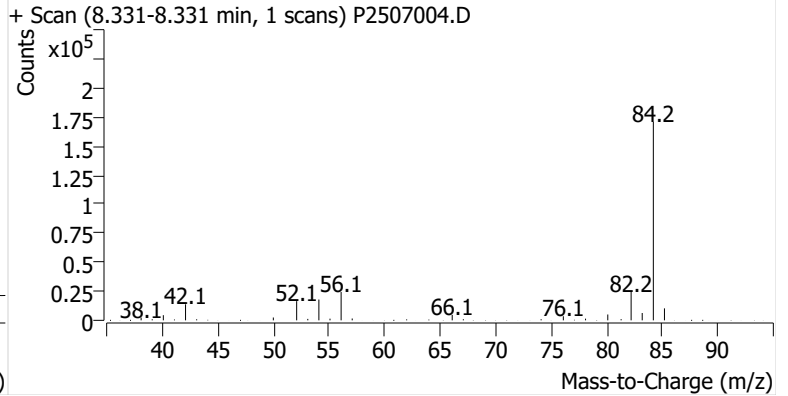
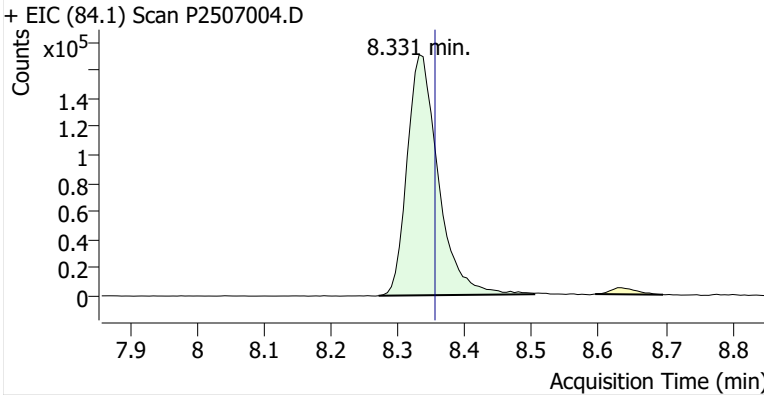
**Name** PPSP-10-S-20251022  
**Comment** C56940  
**Data File** P2507004.D  
**Acq. Date-Time** 11/13/2025 10:34:48 PM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

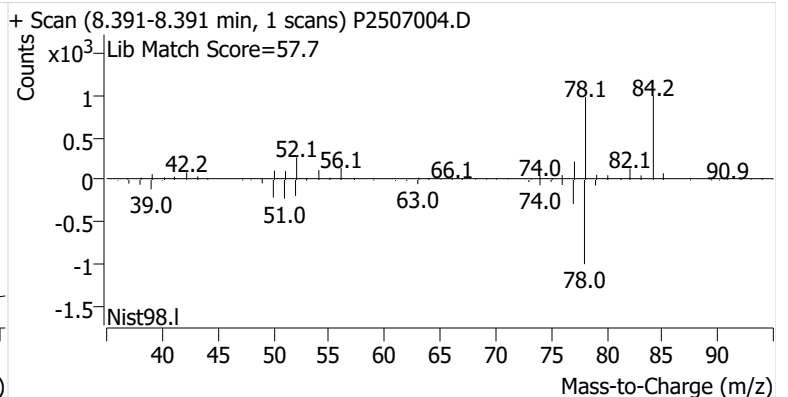
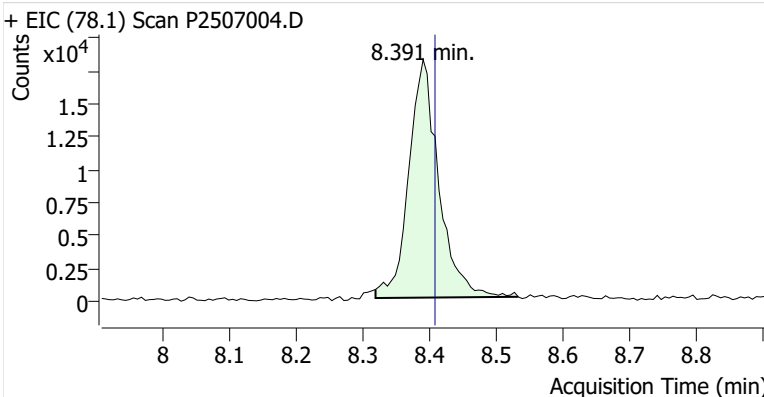


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.331	8.355	553,176	
Benzene	benzene-d6 (IS)	8.391	8.408	56,558	
Toluene-d8 (IS)		10.901	10.913	605,233	
Toluene	Toluene-d8 (IS)	10.996	11.008	55,756	
Ethylbenzene	Toluene-d8 (IS)	13.121	13.139	8,952	
m-/p-Xylenes	Toluene-d8 (IS)	13.293	13.329	20,906	
o-Xylene	Toluene-d8 (IS)	13.792	13.798	7,868	

**benzene-d6 (IS)**

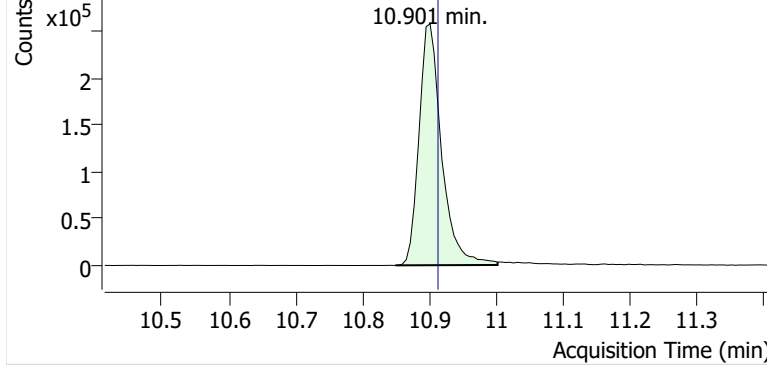


**Benzene**

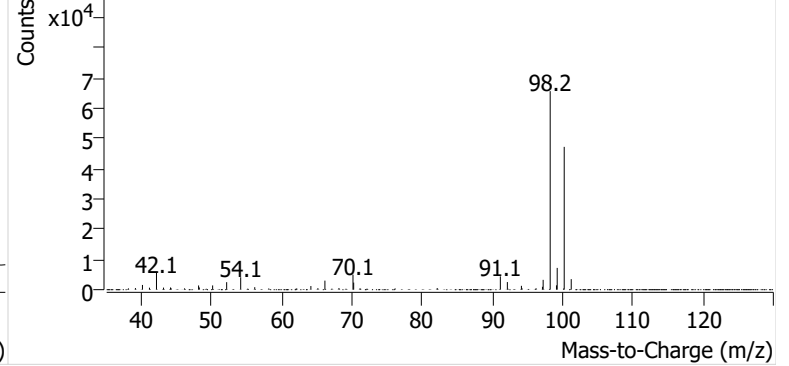


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2507004.D

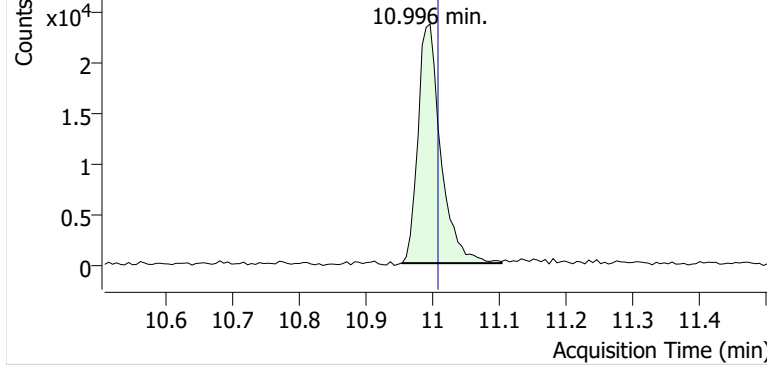


+ Scan (10.849-11.002 min, 26 scans) P2507004.D

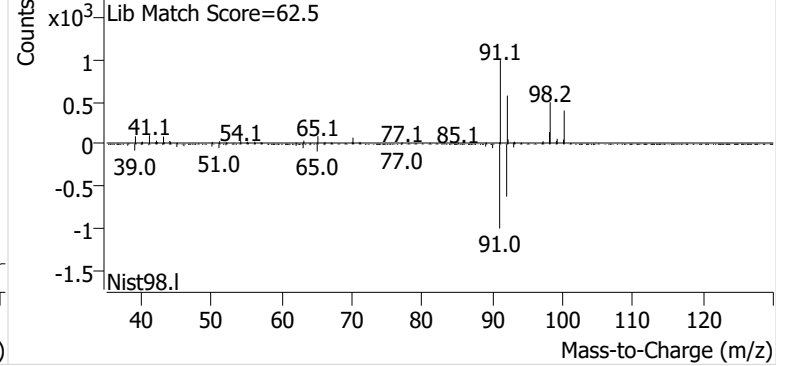


**Toluene**

+ EIC (91.1) Scan P2507004.D

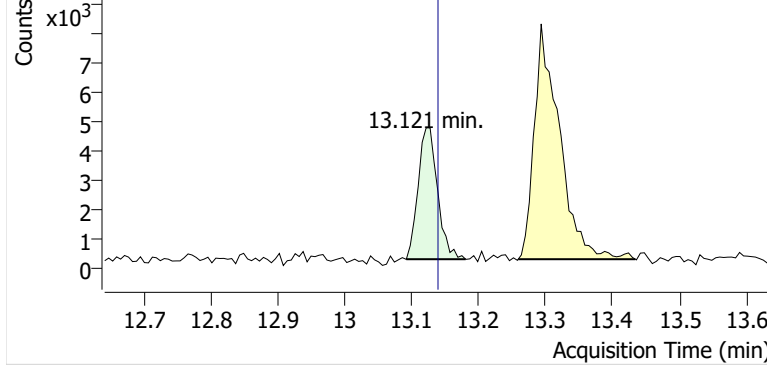


+ Scan (10.953-11.103 min, 26 scans) P2507004.D

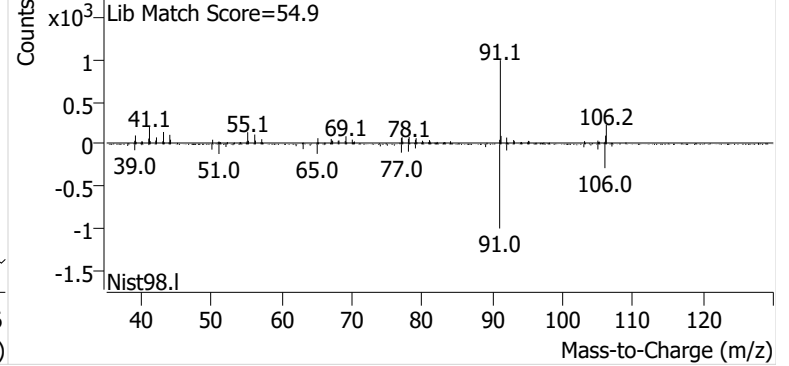


**Ethylbenzene**

+ EIC (91.1) Scan P2507004.D

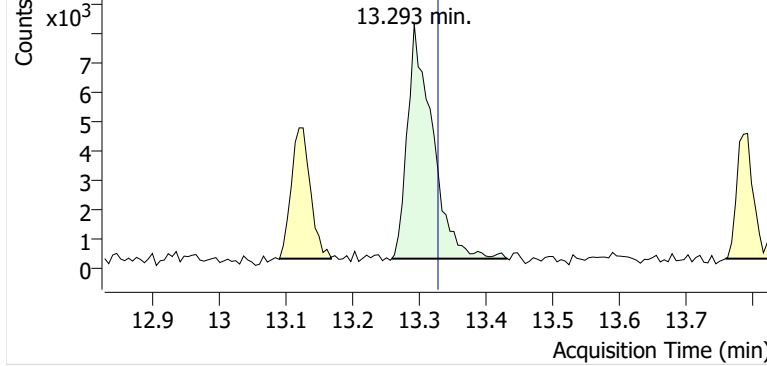


+ Scan (13.091-13.180 min, 14 scans) P2507004.D

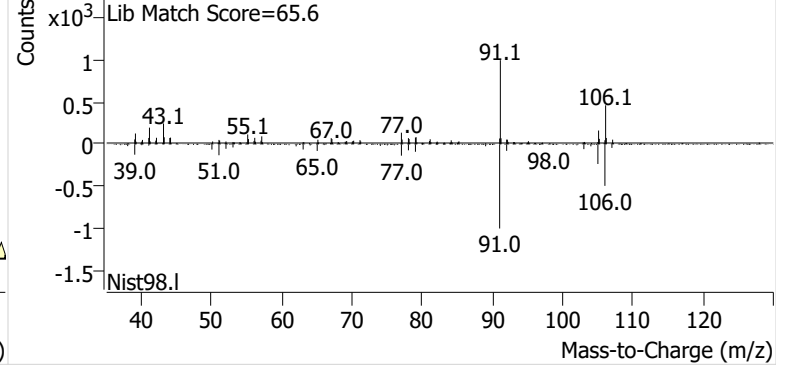


**m-/p-Xylenes**

+ EIC (91.1) Scan P2507004.D

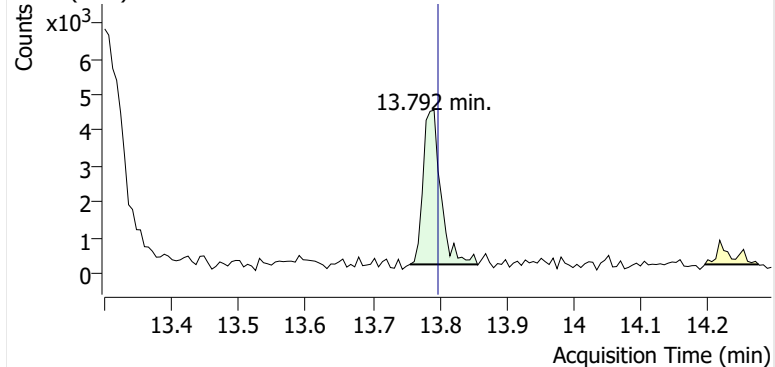


+ Scan (13.259-13.433 min, 29 scans) P2507004.D

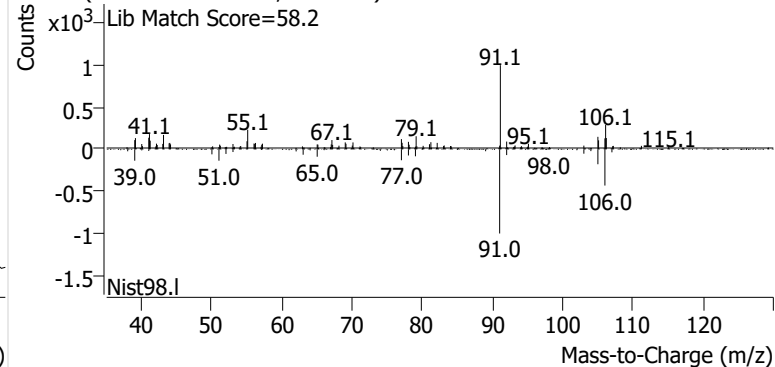


**o-Xylene**

+ EIC (91.1) Scan P2507004.D

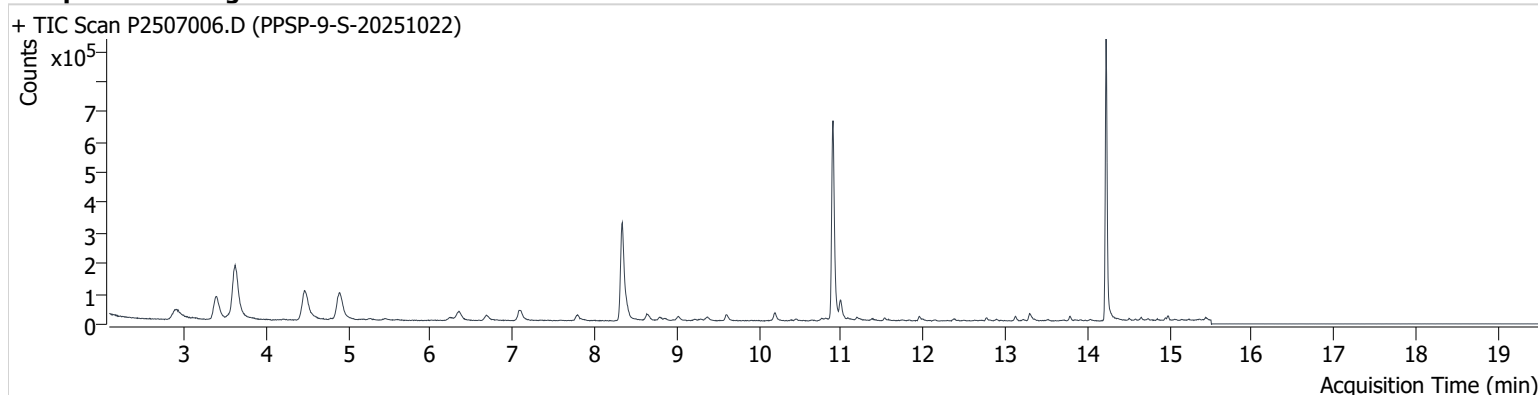


+ Scan (13.756-13.857 min, 17 scans) P2507004.D



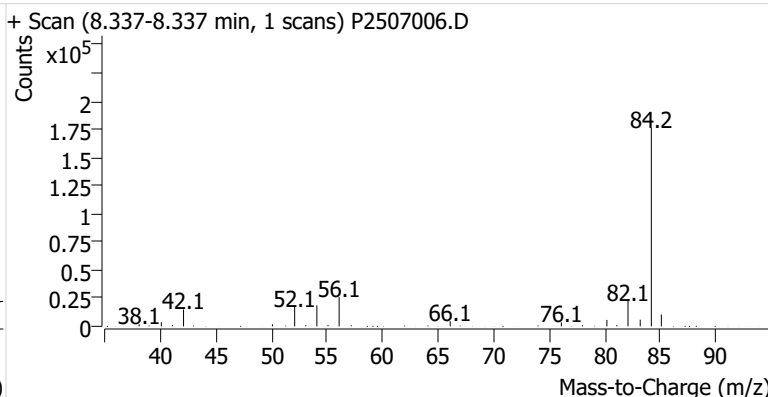
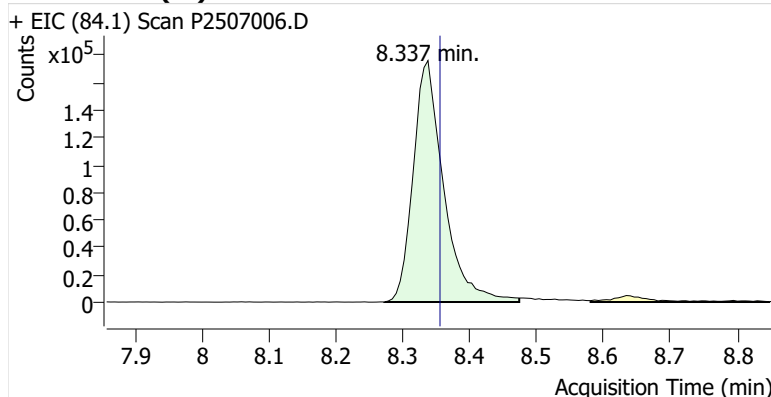
**Name** PPSP-9-S-20251022  
**Comment** B43873  
**Data File** P2507006.D  
**Acq. Date-Time** 11/13/2025 11:49:29 PM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

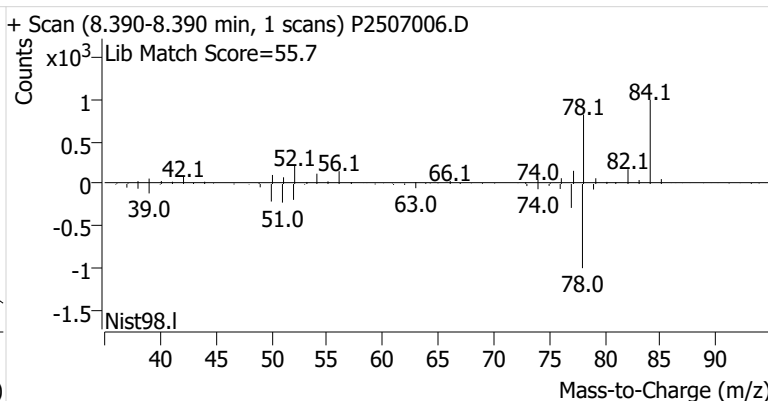
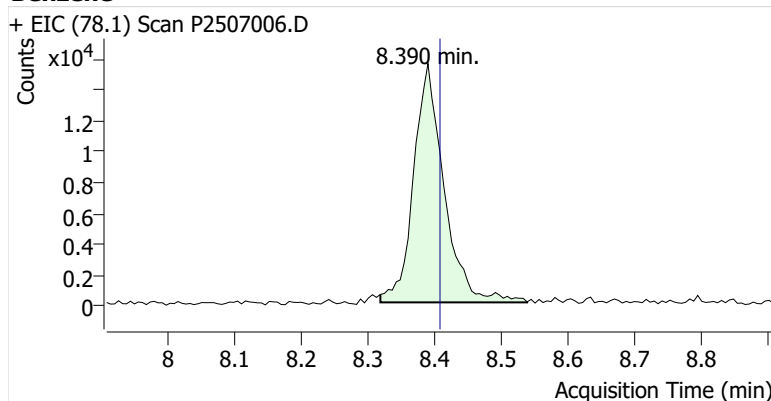


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.337	8.355	557,764	
Benzene	benzene-d6 (IS)	8.390	8.408	49,330	
Toluene-d8 (IS)		10.901	10.913	601,834	
Toluene	Toluene-d8 (IS)	10.990	11.008	54,633	
Ethylbenzene	Toluene-d8 (IS)	13.121	13.139	11,888	
m-/p-Xylenes	Toluene-d8 (IS)	13.293	13.329	21,768	
o-Xylene	Toluene-d8 (IS)	13.786	13.798	9,186	

**benzene-d6 (IS)**

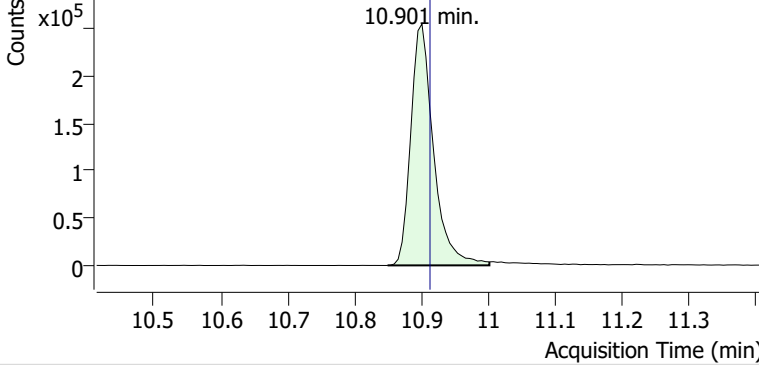


**Benzene**

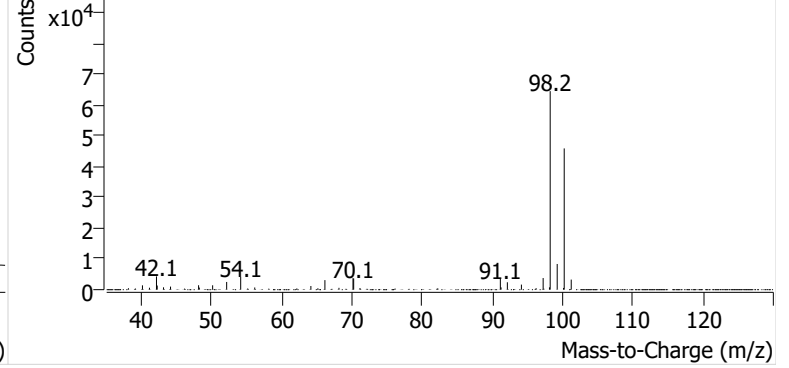


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2507006.D

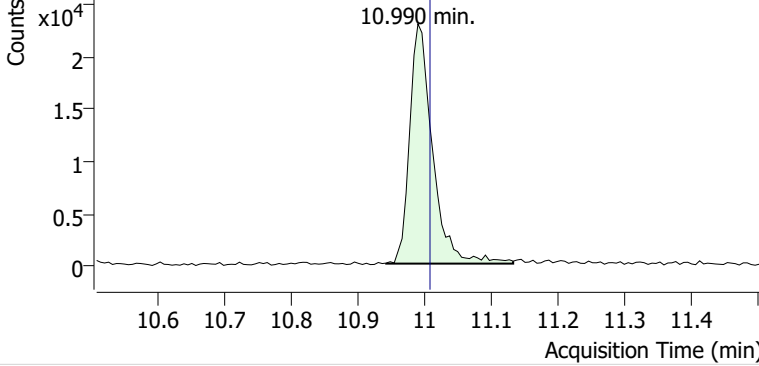


+ Scan (10.850-11.002 min, 26 scans) P2507006.D

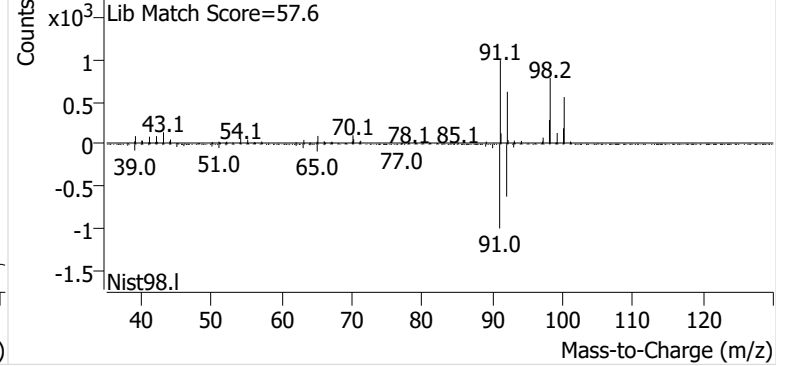


**Toluene**

+ EIC (91.1) Scan P2507006.D

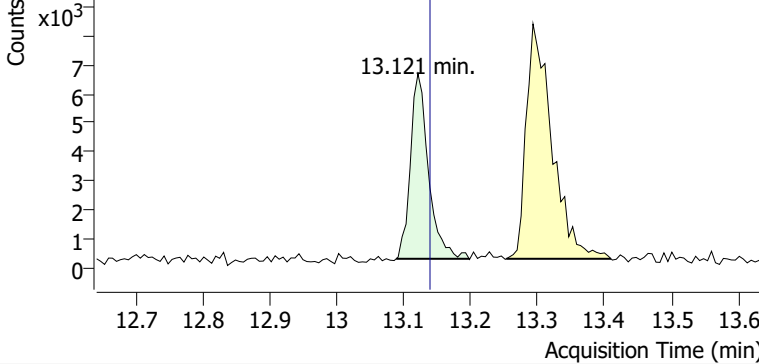


+ Scan (10.943-11.132 min, 33 scans) P2507006.D

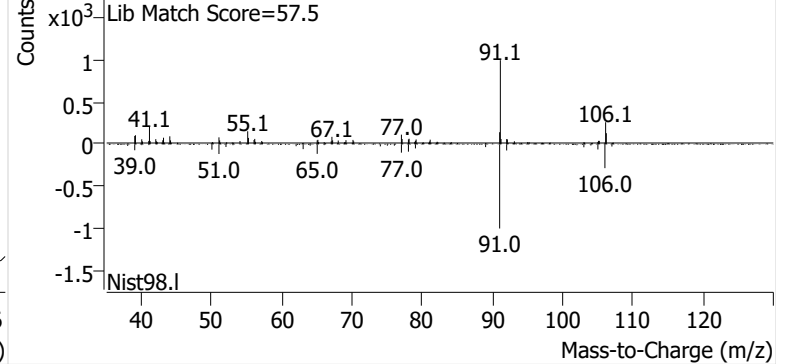


**Ethylbenzene**

+ EIC (91.1) Scan P2507006.D

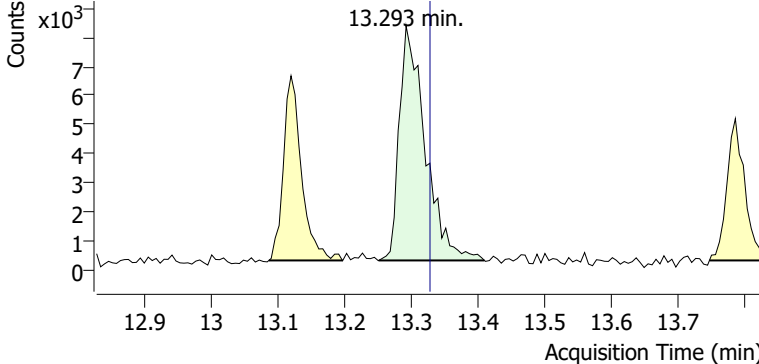


+ Scan (13.088-13.197 min, 18 scans) P2507006.D

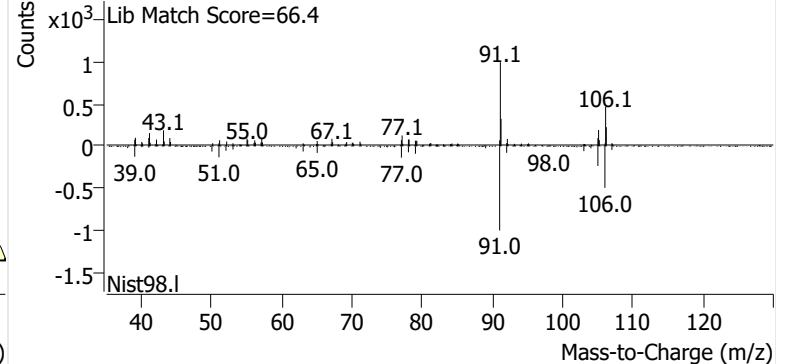


**m-/p-Xylenes**

+ EIC (91.1) Scan P2507006.D

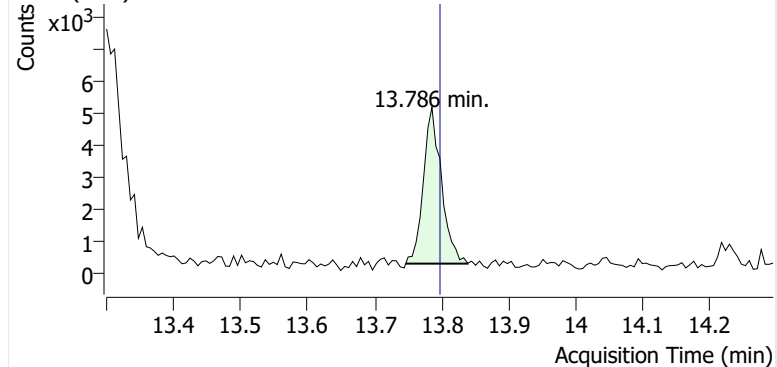


+ Scan (13.252-13.410 min, 26 scans) P2507006.D

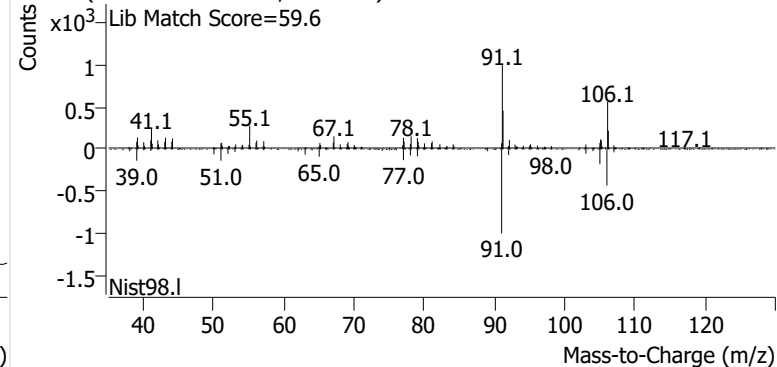


**o-Xylene**

+ EIC (91.1) Scan P2507006.D

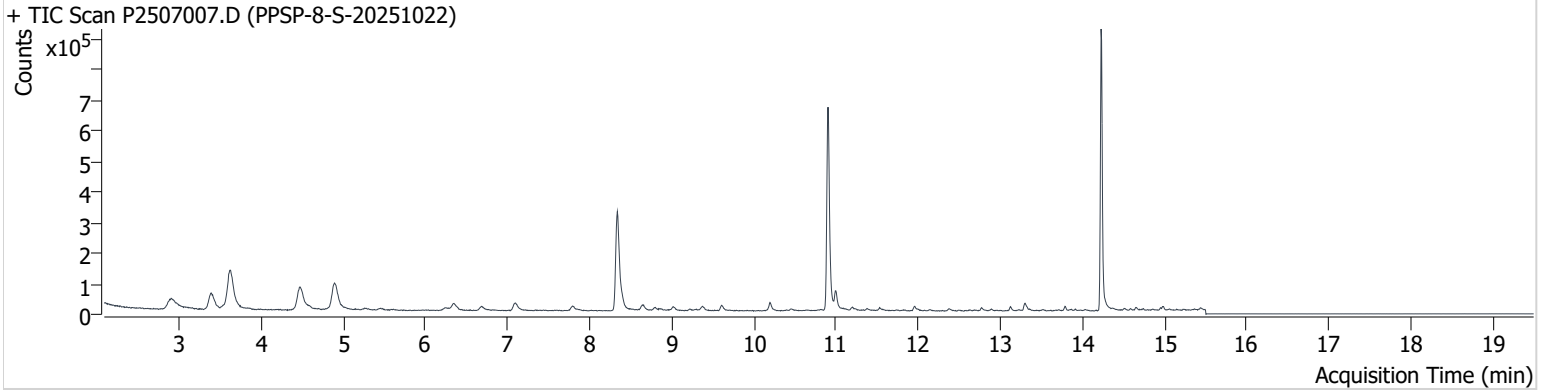


+ Scan (13.746-13.839 min, 16 scans) P2507006.D



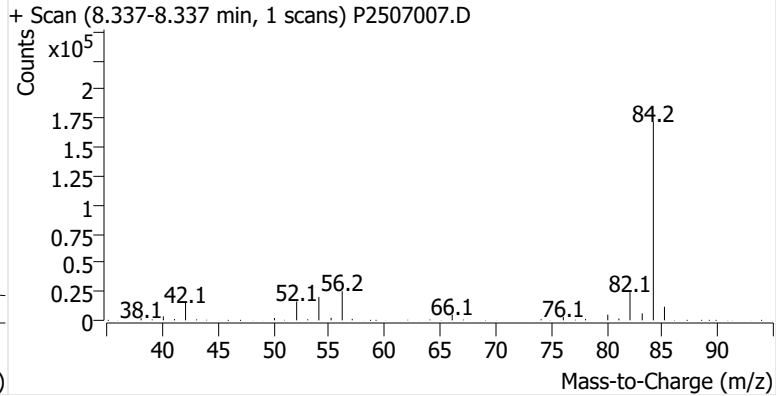
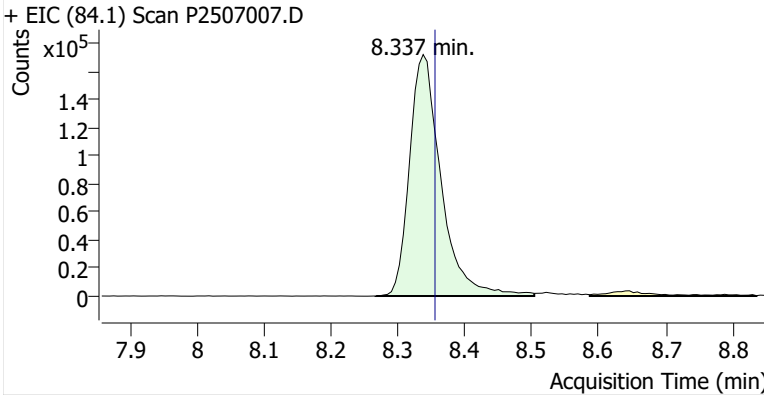
**Name** PPSP-8-S-20251022  
**Comment** B43078  
**Data File** P2507007.D  
**Acq. Date-Time** 11/14/2025 12:26:49 AM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

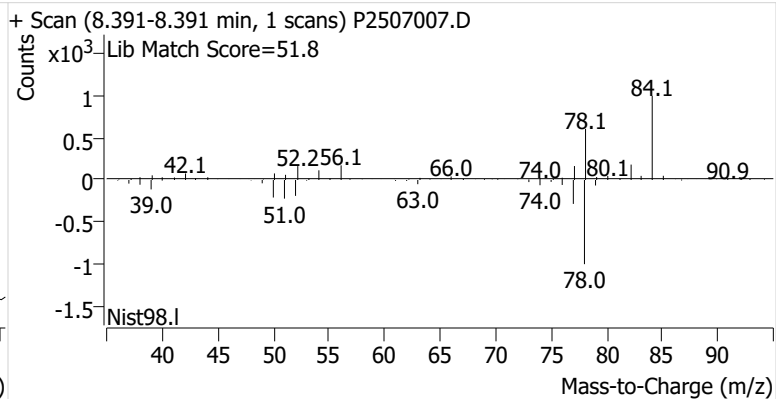
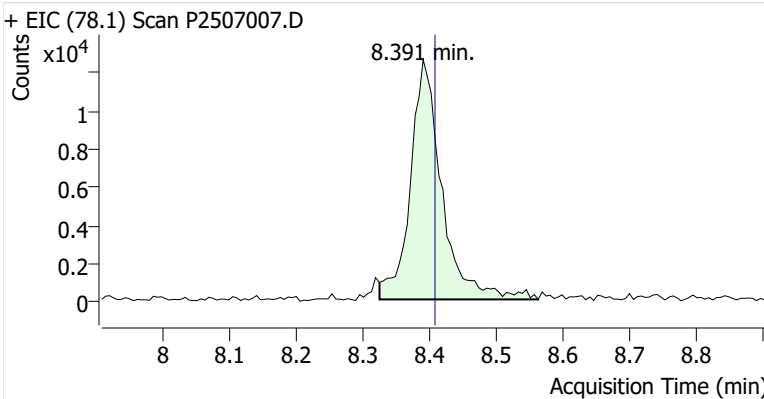


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.337	8.355	562,760	
Benzene	benzene-d6 (IS)	8.391	8.408	41,149	
Toluene-d8 (IS)		10.901	10.913	603,525	
Toluene	Toluene-d8 (IS)	10.996	11.008	48,426	
Ethylbenzene	Toluene-d8 (IS)	13.121	13.139	9,746	
m-/p-Xylenes	Toluene-d8 (IS)	13.299	13.329	22,411	
o-Xylene	Toluene-d8 (IS)	13.786	13.798	8,217	

**benzene-d6 (IS)**

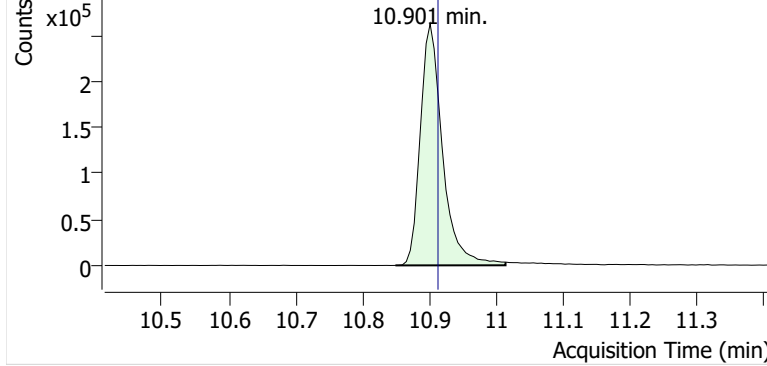


**Benzene**

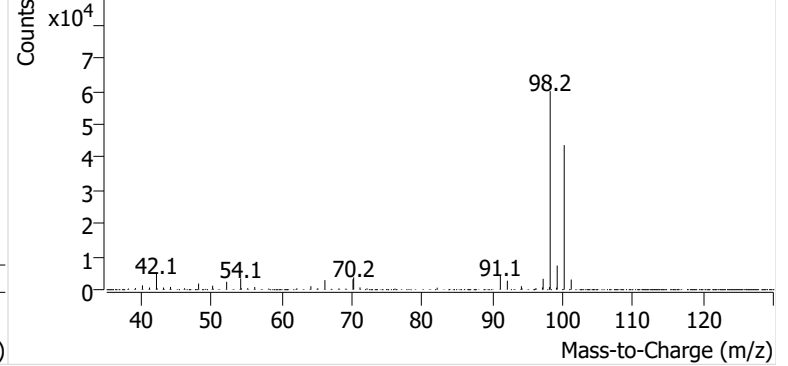


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2507007.D

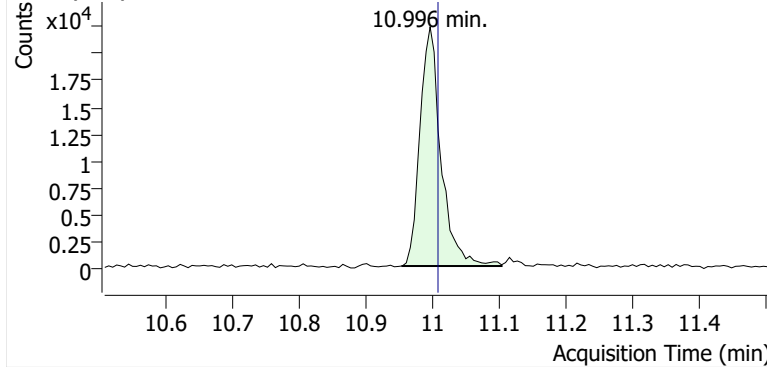


+ Scan (10.849-11.014 min, 28 scans) P2507007.D

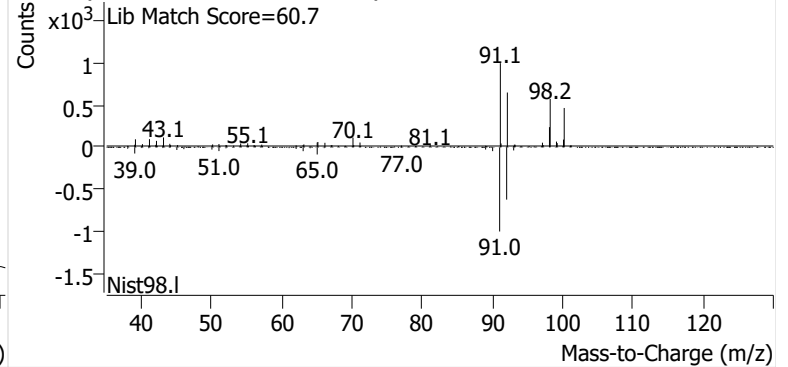


**Toluene**

+ EIC (91.1) Scan P2507007.D

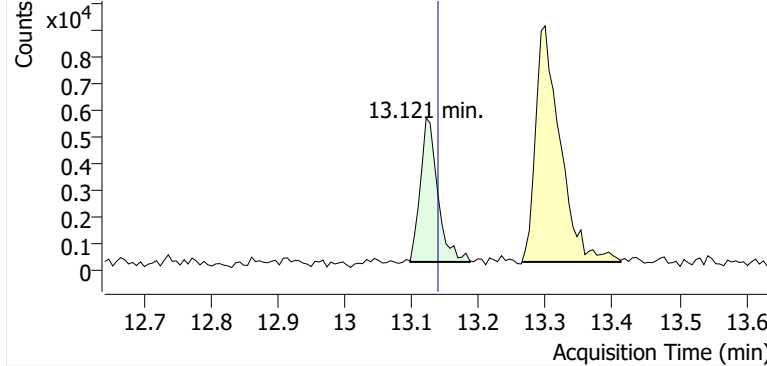


+ Scan (10.953-11.103 min, 26 scans) P2507007.D

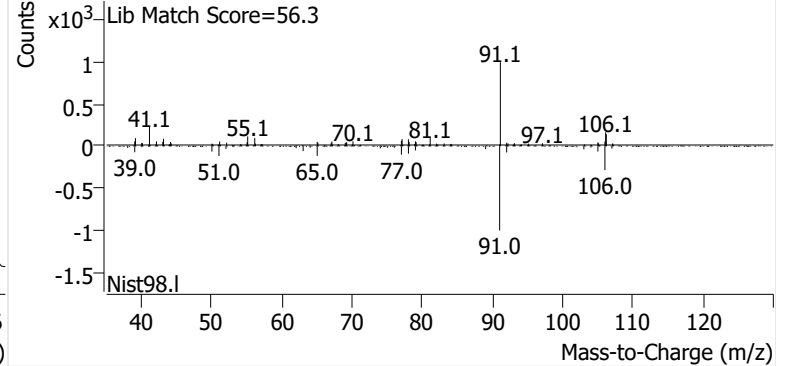


**Ethylbenzene**

+ EIC (91.1) Scan P2507007.D

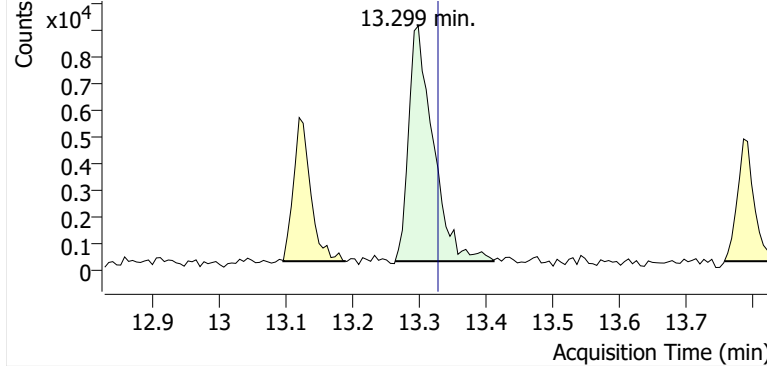


+ Scan (13.097-13.186 min, 16 scans) P2507007.D

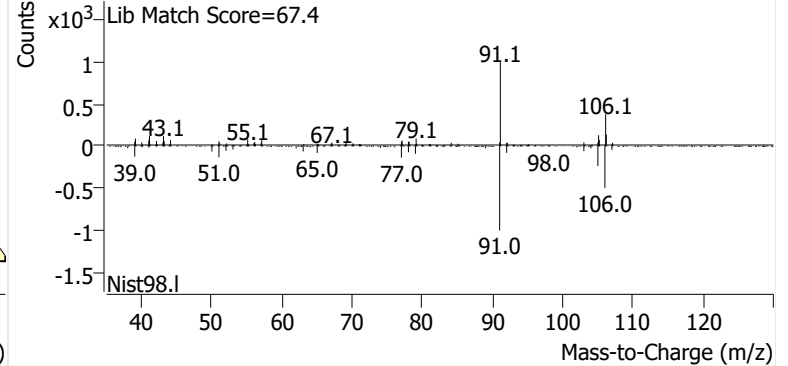


**m-/p-Xylenes**

+ EIC (91.1) Scan P2507007.D

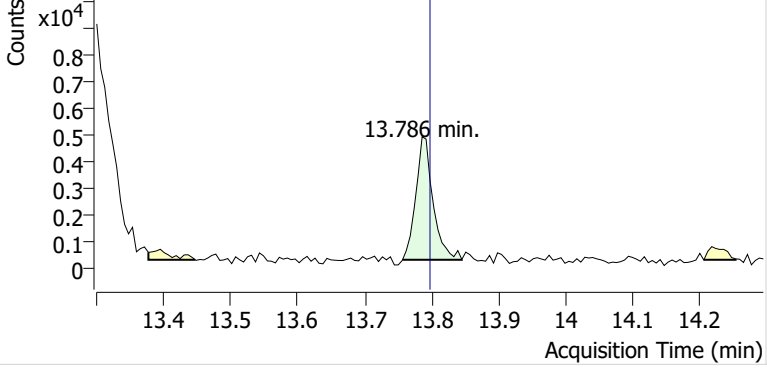


+ Scan (13.265-13.412 min, 25 scans) P2507007.D

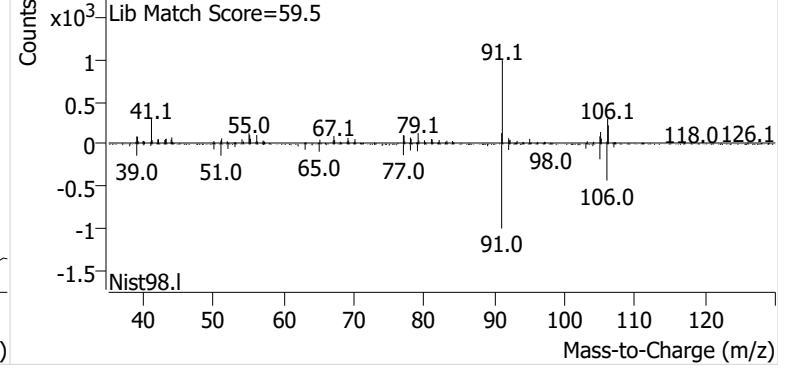


**o-Xylene**

+ EIC (91.1) Scan P2507007.D

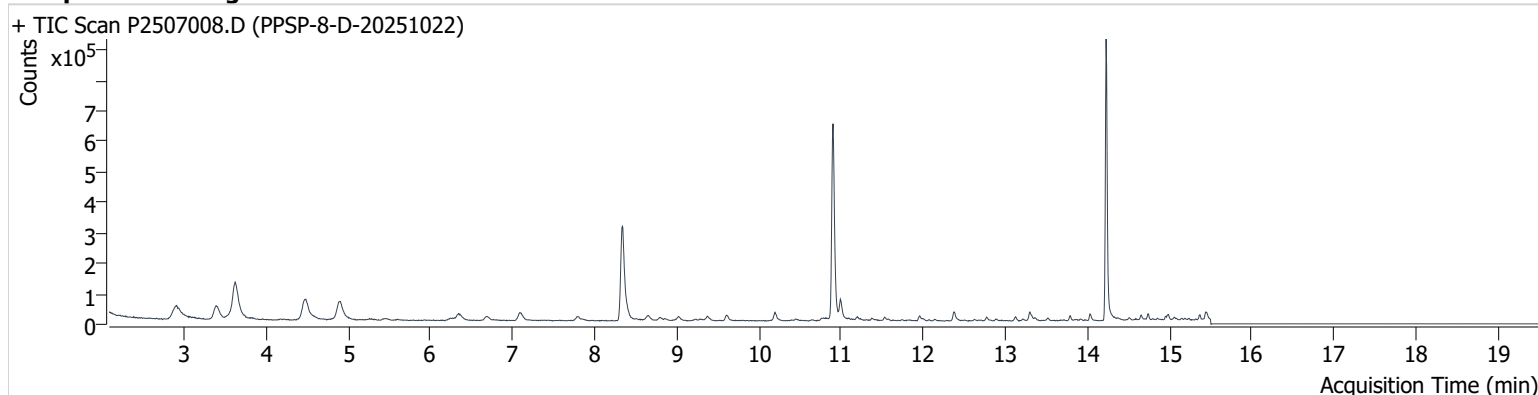


+ Scan (13.757-13.845 min, 15 scans) P2507007.D



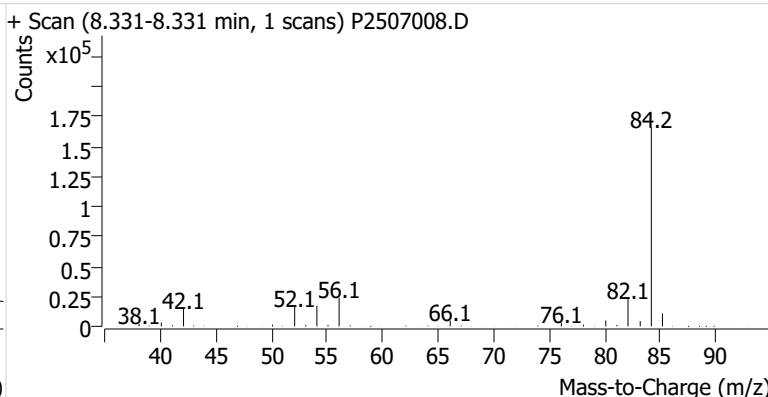
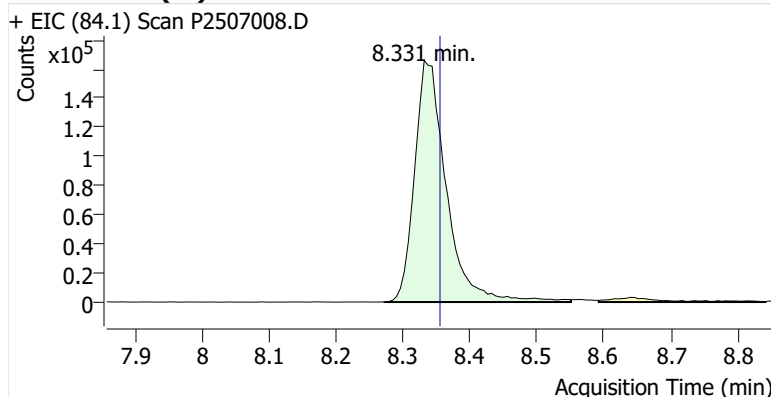
**Name** PPSP-8-D-20251022  
**Comment** C57143  
**Data File** P2507008.D  
**Acq. Date-Time** 11/14/2025 1:04:10 AM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

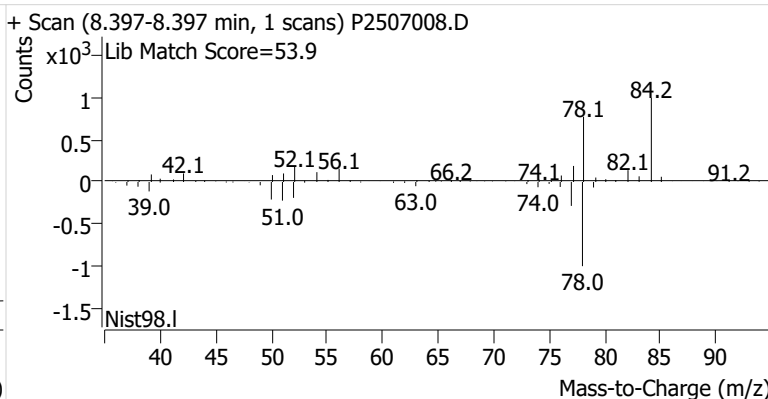
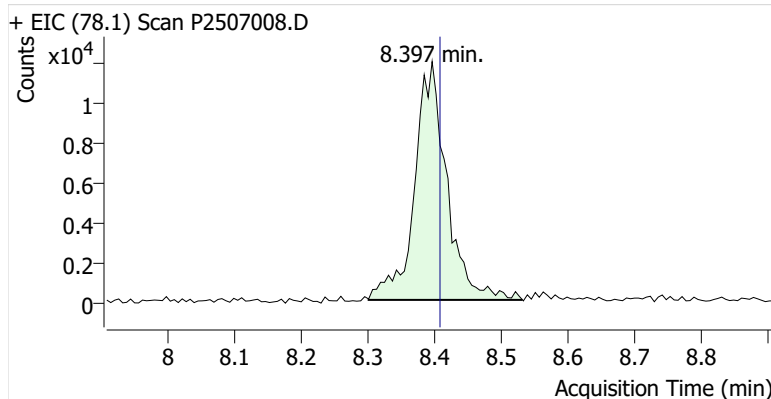


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.331	8.355	546,067	
Benzene	benzene-d6 (IS)	8.397	8.408	40,111	
Toluene-d8 (IS)		10.901	10.913	586,842	
Toluene	Toluene-d8 (IS)	10.996	11.008	50,009	
Ethylbenzene	Toluene-d8 (IS)	13.121	13.139	9,524	
m-/p-Xylenes	Toluene-d8 (IS)	13.299	13.329	25,979	
o-Xylene	Toluene-d8 (IS)	13.792	13.798	10,131	

**benzene-d6 (IS)**

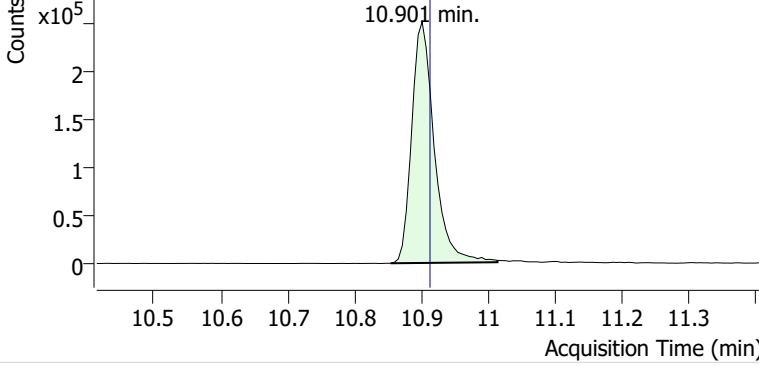


**Benzene**

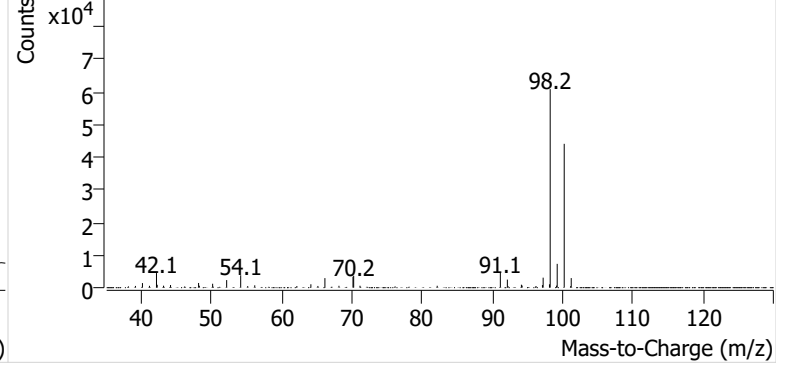


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2507008.D

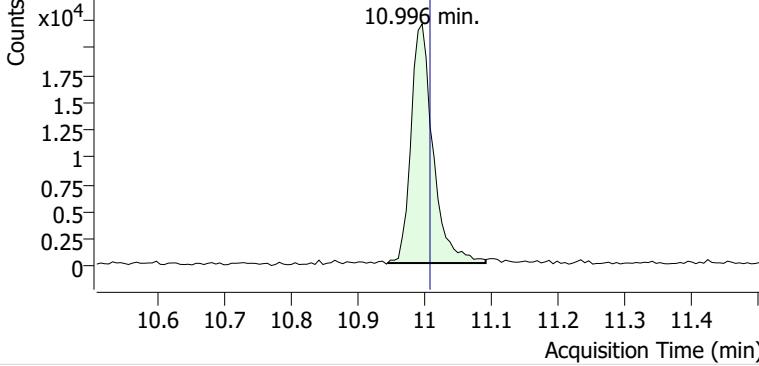


+ Scan (10.854-11.014 min, 27 scans) P2507008.D

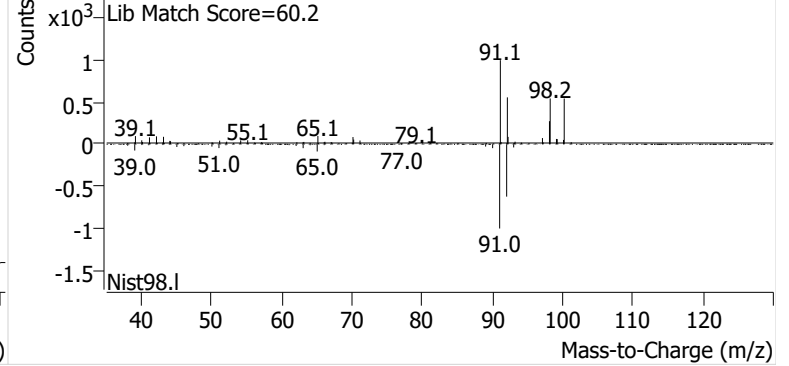


**Toluene**

+ EIC (91.1) Scan P2507008.D

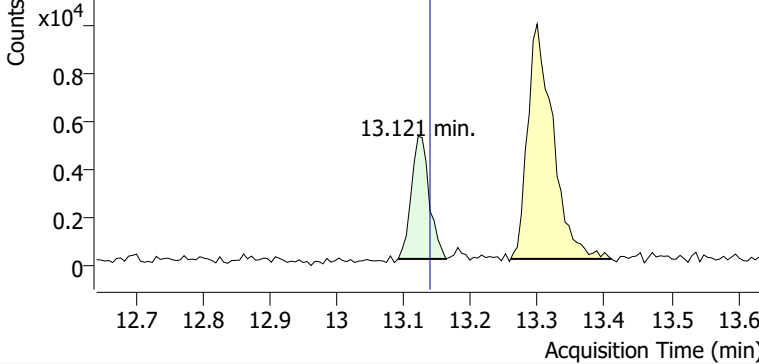


+ Scan (10.944-11.091 min, 25 scans) P2507008.D

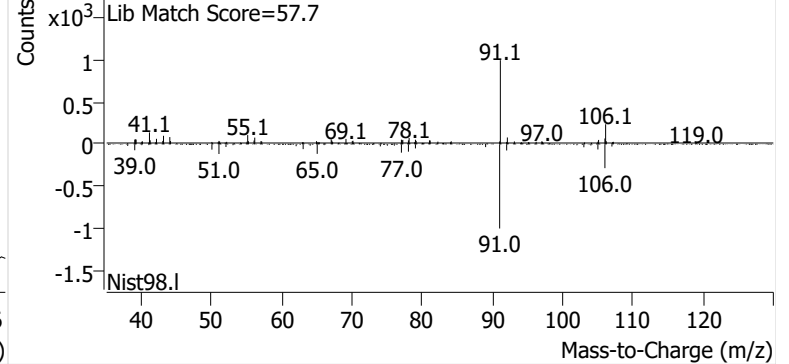


**Ethylbenzene**

+ EIC (91.1) Scan P2507008.D

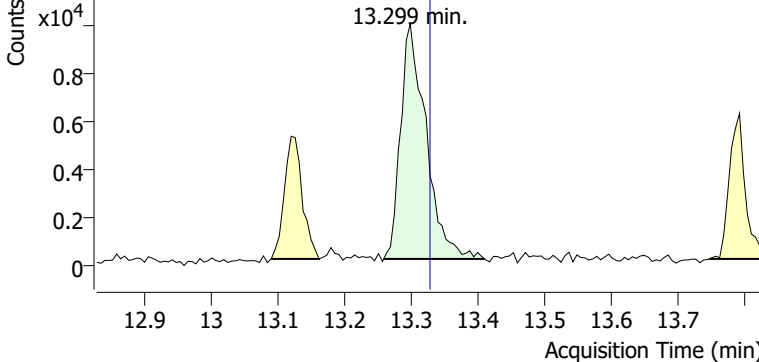


+ Scan (13.091-13.163 min, 13 scans) P2507008.D

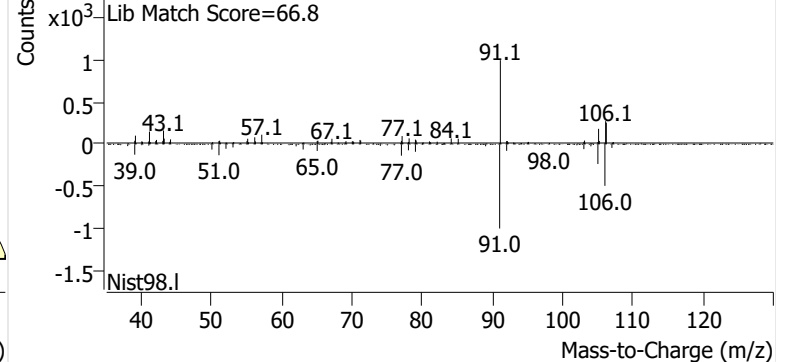


**m-/p-Xylenes**

+ EIC (91.1) Scan P2507008.D

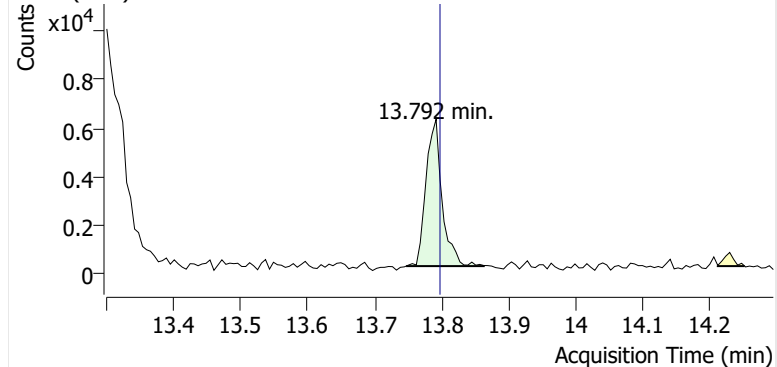


+ Scan (13.259-13.410 min, 25 scans) P2507008.D

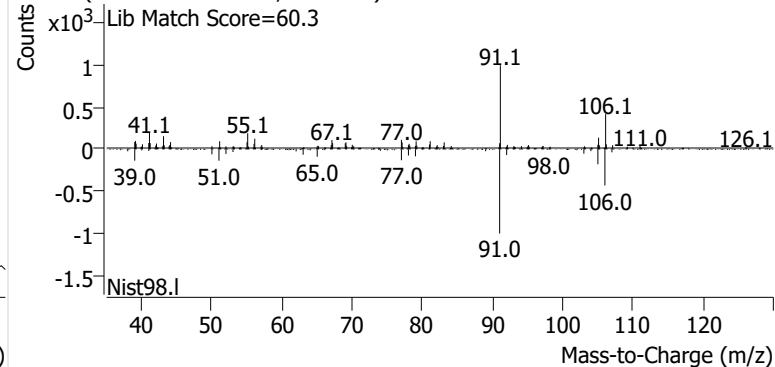


**o-Xylene**

+ EIC (91.1) Scan P2507008.D

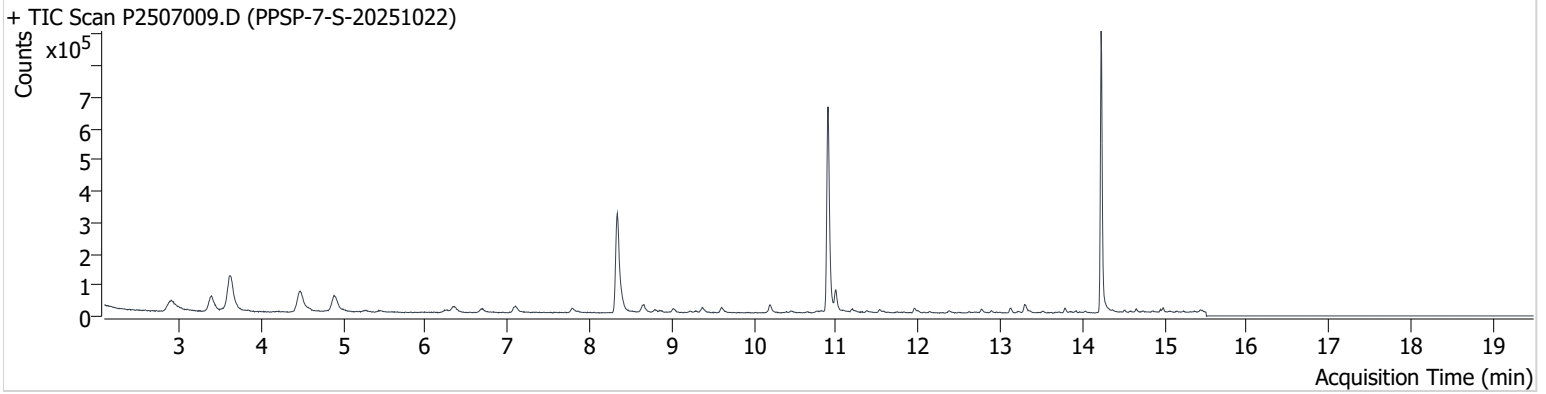


+ Scan (13.747-13.863 min, 20 scans) P2507008.D



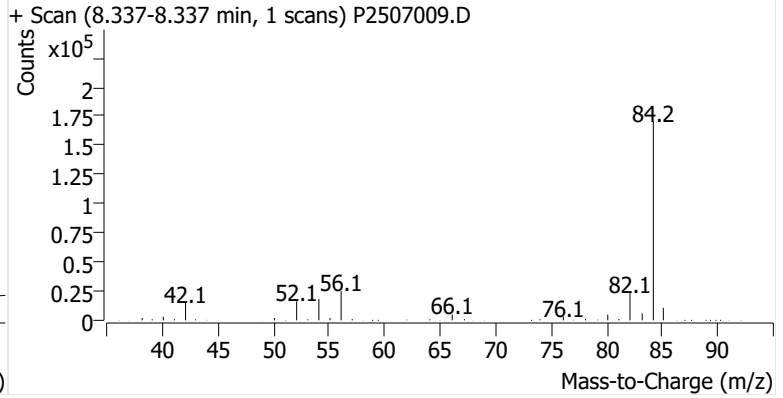
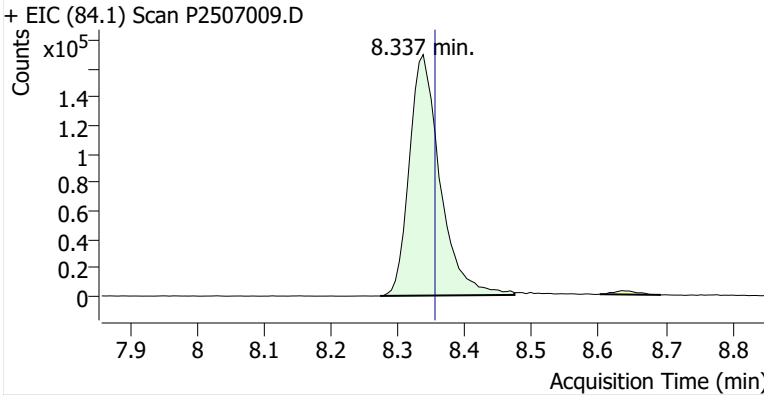
**Name** PPSP-7-S-20251022  
**Comment** B53270  
**Data File** P2507009.D  
**Acq. Date-Time** 11/14/2025 1:41:30 AM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

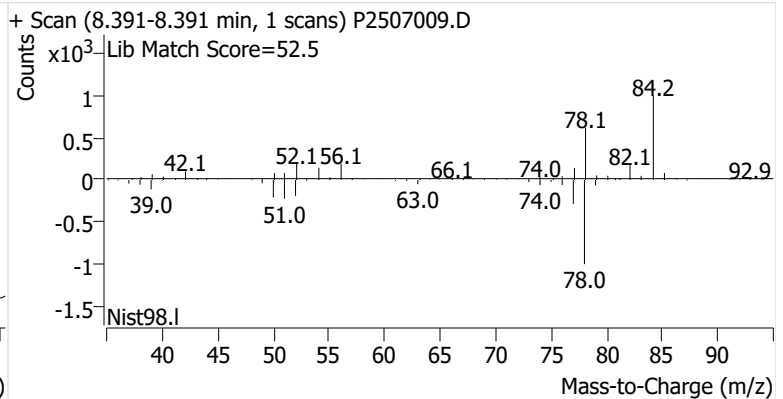
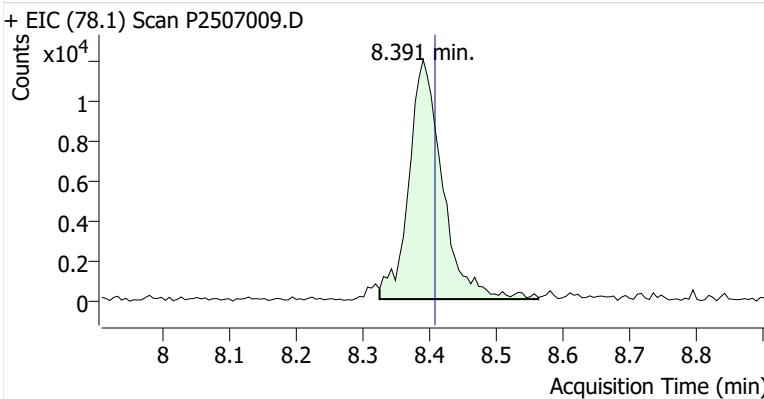


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.337	8.355	542,981	
Benzene	benzene-d6 (IS)	8.391	8.408	41,734	
Toluene-d8 (IS)		10.901	10.913	594,776	
Toluene	Toluene-d8 (IS)	10.996	11.008	55,575	
Ethylbenzene	Toluene-d8 (IS)	13.121	13.139	11,728	
m-/p-Xylenes	Toluene-d8 (IS)	13.299	13.329	24,858	
o-Xylene	Toluene-d8 (IS)	13.786	13.798	8,547	

**benzene-d6 (IS)**

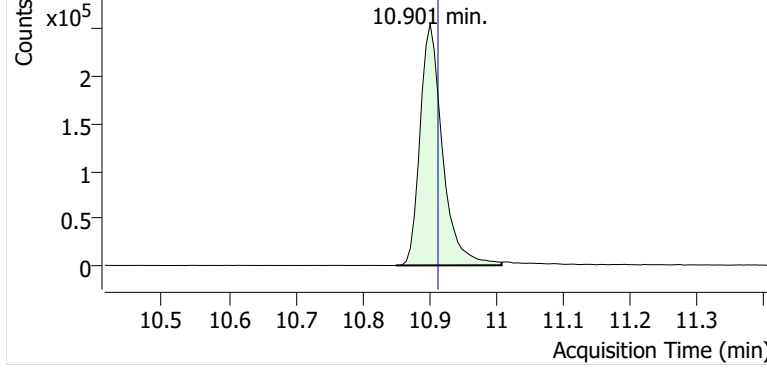


**Benzene**

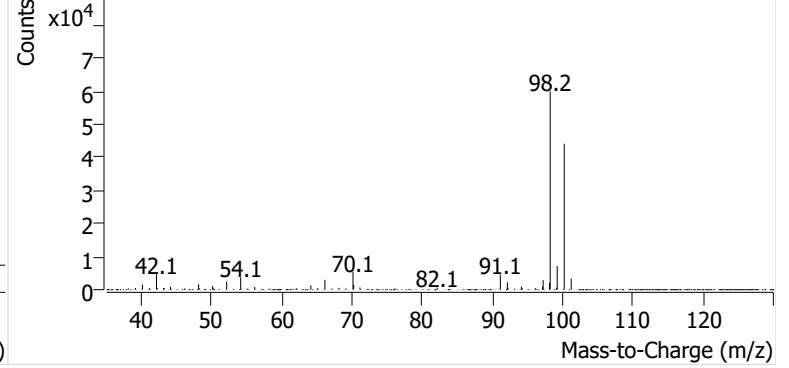


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2507009.D

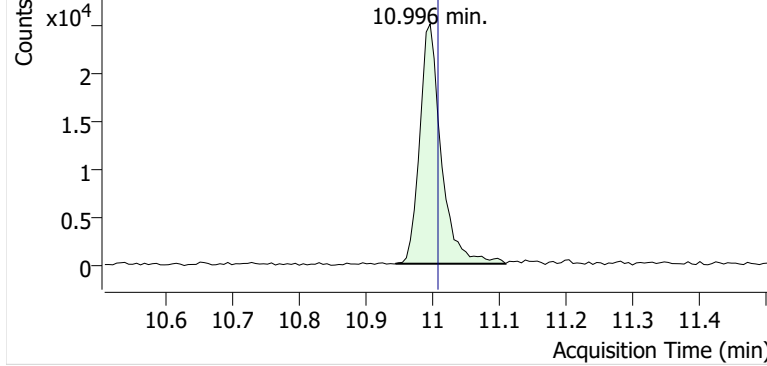


+ Scan (10.850-11.008 min, 27 scans) P2507009.D

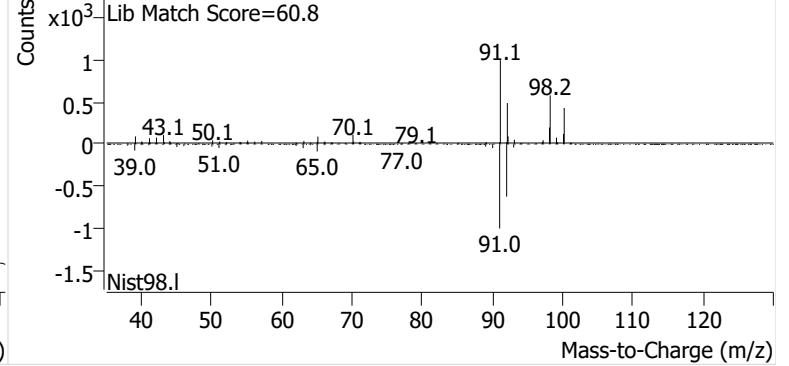


**Toluene**

+ EIC (91.1) Scan P2507009.D

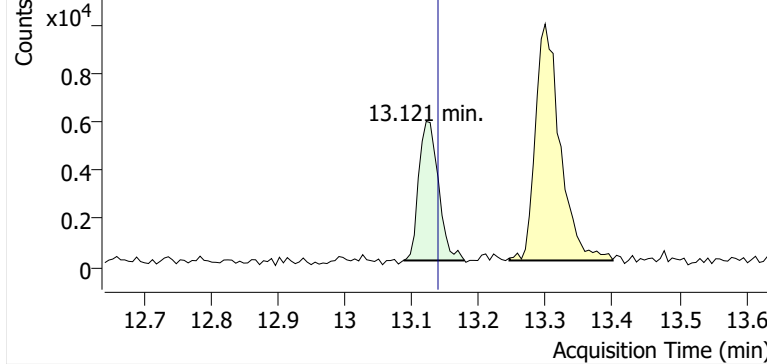


+ Scan (10.944-11.109 min, 28 scans) P2507009.D

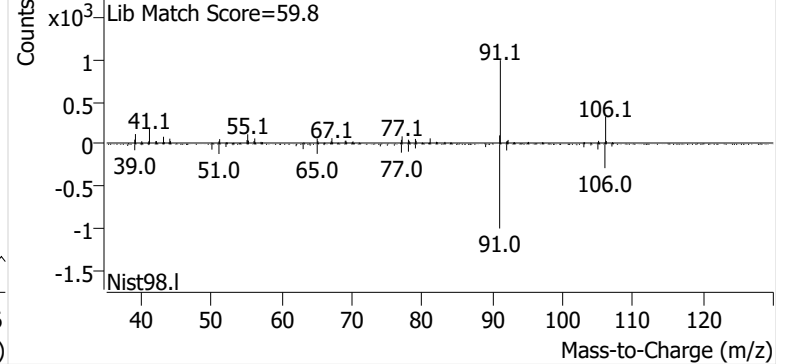


**Ethylbenzene**

+ EIC (91.1) Scan P2507009.D

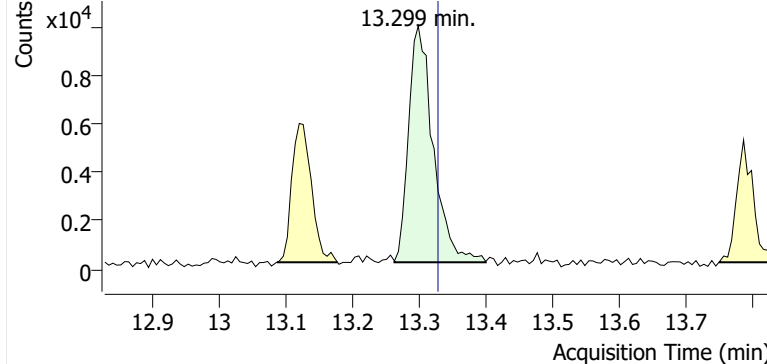


+ Scan (13.087-13.179 min, 15 scans) P2507009.D

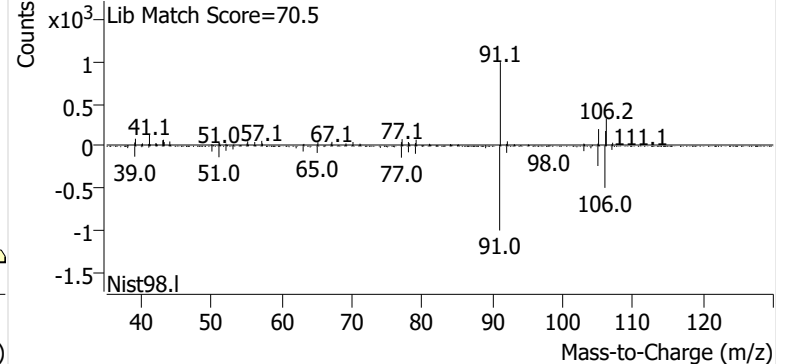


**m-/p-Xylenes**

+ EIC (91.1) Scan P2507009.D

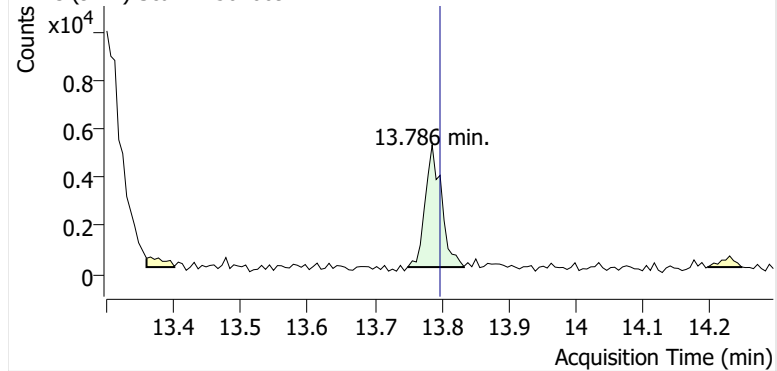


+ Scan (13.264-13.400 min, 24 scans) P2507009.D

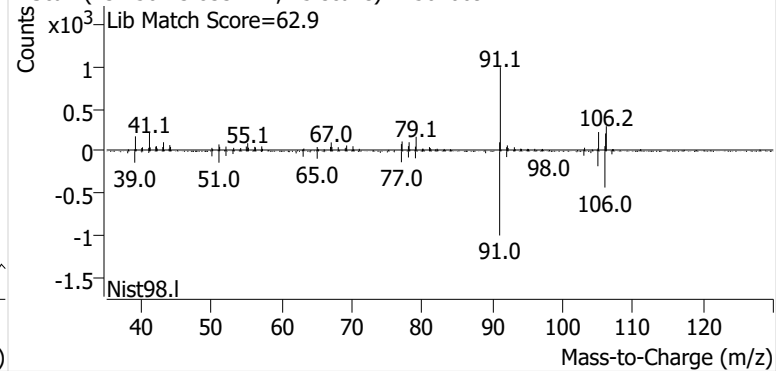


**o-Xylene**

+ EIC (91.1) Scan P2507009.D



+ Scan (13.750-13.833 min, 15 scans) P2507009.D



# Initial Calibration



# Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW403-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

## Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
P111225A_CC185154	Benzene	1	P2506981.D	5.99	72202	90.3	878980	1.239	0.17
P111225A_CC185154	Benzene	2	P2506982.D	11.97	124591	90.3	844718	1.112	0.049
P111225A_CC185154	Benzene	3	P2506983.D	23.94	216690	90.3	828303	0.987	-0.07
P111225A_CC185154	Benzene	4	P2506984.D	47.88	393161	90.3	788202	0.941	-0.11
P111225A_CC185154	Benzene	5	P2506985.D	119.71	1073868	90.3	757197	1.070	0.0084
P111225A_CC185154	Benzene	6	P2506986.D	239.42	2102277	90.3	743842	1.066	0.0048
P111225A_CC185154	Benzene	7	P2506987.D	718.27	6100782	90.3	758634	1.011	-0.047
						Avg:	799982	1.061	
						%RSD:	6.4%	9.2%	
P111225A_CC185154	Toluene	1	P2506981.D	5.26	61255	105.3	968773	1.266	0.14
P111225A_CC185154	Toluene	2	P2506982.D	10.51	103133	105.3	922805	1.119	0.0059
P111225A_CC185154	Toluene	3	P2506983.D	21.03	182313	105.3	898534	1.016	-0.087
P111225A_CC185154	Toluene	4	P2506984.D	42.06	336623	105.3	872633	0.966	-0.13
P111225A_CC185154	Toluene	5	P2506985.D	105.14	1012861	105.3	845627	1.199	0.078
P111225A_CC185154	Toluene	6	P2506986.D	210.29	1933393	105.3	838685	1.154	0.037
P111225A_CC185154	Toluene	7	P2506987.D	630.86	5460889	105.3	854145	1.067	-0.041
						Avg:	885886	1.113	
						%RSD:	5.3%	9.4%	
P111225A_CC185154	Ethylbenzene	1	P2506981.D	5.46	65374	105.3	968773	1.300	0.14
P111225A_CC185154	Ethylbenzene	2	P2506982.D	10.93	121350	105.3	922805	1.267	0.11
P111225A_CC185154	Ethylbenzene	3	P2506983.D	21.86	217482	105.3	898534	1.166	0.018
P111225A_CC185154	Ethylbenzene	4	P2506984.D	43.71	387171	105.3	872633	1.069	-0.067
P111225A_CC185154	Ethylbenzene	5	P2506985.D	109.28	990443	105.3	845627	1.129	-0.015
P111225A_CC185154	Ethylbenzene	6	P2506986.D	218.55	1815007	105.3	838685	1.043	-0.09
P111225A_CC185154	Ethylbenzene	7	P2506987.D	655.66	5551505	105.3	854145	1.044	-0.089
						Avg:	885886	1.145	
						%RSD:	5.3%	9.2%	
P111225A_CC185154	m-/p-Xylenes	1	P2506981.D	6.12	59863	105.3	968773	1.063	0.24
P111225A_CC185154	m-/p-Xylenes	2	P2506982.D	12.25	96064	105.3	922805	0.895	0.043
P111225A_CC185154	m-/p-Xylenes	3	P2506983.D	24.49	159745	105.3	898534	0.764	-0.11
P111225A_CC185154	m-/p-Xylenes	4	P2506984.D	48.99	299713	105.3	872633	0.738	-0.14
P111225A_CC185154	m-/p-Xylenes	5	P2506985.D	122.47	872737	105.3	845627	0.887	0.034
P111225A_CC185154	m-/p-Xylenes	6	P2506986.D	244.94	1606234	105.3	838685	0.823	-0.041
P111225A_CC185154	m-/p-Xylenes	7	P2506987.D	734.81	4983789	105.3	854145	0.836	-0.026
						Avg:	885886	0.858	
						%RSD:	5.3%	12.5%	
P111225A_CC185154	o-Xylene	1	P2506981.D	5.69	57585	105.3	968773	1.099	0.27
P111225A_CC185154	o-Xylene	2	P2506982.D	11.39	85751	105.3	922805	0.859	-0.0075
P111225A_CC185154	o-Xylene	3	P2506983.D	22.78	144966	105.3	898534	0.746	-0.14

## Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW403-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

### Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
P111225A_CC185154	o-Xylene	4	P2506984.D	45.56	266992	105.3	872633	0.707	-0.18
P111225A_CC185154	o-Xylene	5	P2506985.D	113.89	855302	105.3	845627	0.935	0.08
P111225A_CC185154	o-Xylene	6	P2506986.D	227.79	1577542	105.3	838685	0.869	0.0046
P111225A_CC185154	o-Xylene	7	P2506987.D	683.36	4673566	105.3	854145	0.843	-0.026
							Avg:	885886	0.865
							%RSD:	5.3%	14.9%

### Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
P111225A_CC185154	Benzene	ICV	P2506988.D	445.74	3596552	90.3	746497	0.976	-8.0%
P111225A_CC185154	Toluene	ICV	P2506988.D	456.43	3448686	105.3	831977	0.956	-14.0%
P111225A_CC185154	Ethylbenzene	ICV	P2506988.D	451.29	3591643	105.3	831977	1.007	-12.0%
P111225A_CC185154	m-/p-Xylenes	ICV	P2506988.D	458.31	2868845	105.3	831977	0.792	-7.7%
P111225A_CC185154	o-Xylene	ICV	P2506988.D	459.19	2788820	105.3	831977	0.769	-11.0%

M325B PDF Report ver.20250917

# Sample Custody





# EPA Method 325 A/B Field Test Data Sheet and Chain of Custody Record

2025FW403 Page # 1 of # 2

- Standard Turn Around Time (7 business days)
- Rush Turn Around Time
- All TATs Subject to Approval by Enthalpy Analytical, LLC
- Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name: South Portland Terminal	Client Name: Portland Pipe Line	PO#:
Site Address:	Project Number:	Sample Event #
City:	Project Manager: Tom Rolfson	Sorbent:
State:	Email Address: <a href="mailto:tom.rolfson@powerera.com">tom.rolfson@powerera.com</a>	
Zip:	Telephone #:	

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
6	C61444	sample	10/22/25	1:50 PM	11/5/25	10:30 AM	JB / JB		
5	B50779	sample	10/22/25	2:02 PM	11/5/25	10:35 AM	JB / JB		
4	C69743	sample	10/22/25	2:10 PM	11/5/25	10:39 AM	JB / JB		
3	B50636	sample	10/22/25	2:15 PM	11/5/25	10:43 AM	JB / JB		
2	C00558	sample	10/22/25	2:18 PM	11/5/25	10:46 AM	JB / JB		
1	C59934	sample	10/22/25	2:21 PM	11/5/25	10:50 AM	JB / JB		
1	C43929	blank	10/22/25	2:21 PM	11/5/25	10:50 AM	JB / JB		
13	C43886	sample	10/22/25	2:25 PM	11/5/25	10:53 AM	JB / JB		

Relinquished By (printed): <b>Jen Bowidowicz</b>	Relinquished By (signature): <i>Jenifer Bowidowicz</i>	Relinquished Date: <b>11/8/2025</b>	Relinquished Time:
Received By (printed): <i>David Taylor</i>	Received By (signature): <i>DM Taylor</i>	Receipt Date: <b>11/12/25</b>	Receipt Time: <b>10:45 AM</b>
Sample Condition Upon Receipt: <b>Good</b>	Compound List: <b>BTEX</b>	Custody Seal intact? Y/N: <b>Y</b>	Delivery tracking #
Ice Temp:	Blank Temp: <b>14.5</b>	Add Custody Seal # below: <b>241103968</b>	

Comments: *10/22 - Delay from rain* Please pull the ambient temp from the KPWM NOAA station. Thank you



# EPA Method 325 A/B Field Test Data Sheet and Chain of Custody Record

- Standard Turn Around Time (7 business days)
- Rush Turn Around Time
- All TATs Subject to Approval by Enthalpy Analytical, LLC
- Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

2025FW403 Page # 2 of # 2

Site Name: South Portland Terminal	Client Name: Portland Pipe Line	PO#:
Site Address:	Project Number:	Sample Event #:
City:	Project Manager: Tom Rolfsen	Sorbent:
State:	Email Address: <a href="mailto:tom.rolfsen@powererg.com">tom.rolfsen@powererg.com</a>	
Zip:	Telephone #:	

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
12	C01880	sample	10/22/25	2:30 PM	11/5/25	10:57 AM	JB / JB		
11	C65324	sample	10/22/25	2:33 PM	11/5/25	11:00 AM	JB / JB		
10	C56940	sample	10/22/25	2:37 PM	11/5/25	11:04 AM	JB / JB		
9	B43873	sample	10/22/25	2:42 PM	11/5/25	11:07 AM	JB / JB		
8	B43078	sample	10/22/25	2:47 PM	11/5/25	11:10 AM	JB / JB		
8	C57143	duplicate	10/22/25	2:47 PM	11/5/25	11:10 AM	JB / JB		
7	B53270	sample	10/22/25	2:52 PM	11/5/25	11:14 AM	JB / JB		

Relinquished By (printed): <b>Jen Bowidowicz</b>	Relinquished By (signature): <i>Jennifer Bowidowicz</i>	Relinquished Date: <b>11/8/2025</b>	Relinquished Time:
Received By (printed): <i>David Taylor</i>	Received By (signature): <i>[Signature]</i>	Receipt Date: <i>11/12/25</i>	Receipt Time: <i>10:45 AM</i>
Sample Condition Upon Receipt: <i>Good</i>	Compound List: <b>BTEX</b>	Custody Seal intact? Y/N: <i>Y</i>	Delivery tracking #
Ice Temp:	Blank Temp: <i>14.5</i>	Add Custody Seal # below: <i>241103968</i>	

**Comments:** Please pull the ambient temp from the KPWM NOAA station. Thank you

**This Is The Last Page  
Of This Report.**



# Portland Pipeline - S Portland, ME

303 U.S. Route One  
Freeport, ME 04032

## Portland Pipeline - S Portland, ME

Samples Received: 11/21/2025

Analytical Report  
2025FW404

EPA Method 325B Analysis

Report Issue Date: 12/4/2025

I certify that to the best of my knowledge all analytical data presented in this report have been checked for completeness, accuracy, errors and legibility in addition to having been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s). This report shall not be reproduced except in full without approval of the laboratory. This will provide assurance that parts of the report are not taken out of context.

Amendment(s):

Signature:



QA Review by Isabel Obando Marrero, Data Reviewer



Matt Cavanaugh  
Matthew.Cavanaugh@enthalpy.com / www.enthalpy.com  
O: (919) 850-4392  
Enthalpy Analytical  
800 Capitola Drive Suite 1 Durham, NC 27713

# Table of Contents

Case Narrative .....	3
Results .....	6
Summary of Results .....	7
Detailed Results .....	8
QC Data .....	11
Chromatograms .....	14
Initial Calibration .....	63
Sample Custody .....	66
Chain of Custody .....	67

# Narrative Summary



# Enthalpy Analytical Narrative Summary

Company	Power Engineers, Inc.
Job No.	2025FW404-1
Client ID.	Site: Portland Pipeline - S Portland, ME

## 1. Custody

The samples were received at Enthalpy Analytical on November 21, 2025 at 15.2 °C. The samples were received in good condition. Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, LLC

**Table 1 - Sample Inventory**

Sample ID	Tube ID	Sample Type
PPSP-6-S-20251105	C69707	Sample
PPSP-5-S-20251105	C57760	Sample
PPSP-4-S-20251105	C69730	Sample
PPSP-3-S-20251105	C57474	Sample
PPSP-2-S-20251105	C70777	Sample
PPSP-1-S-20251105	C69719	Sample
PPSP-1-B-20251105	C01850	Blank
PPSP-13-S-20251105	C17241	Sample
PPSP-12-S-20251105	C69563	Sample
PPSP-11-S-20251105	C32900	Sample
PPSP-10-S-20251105	B44431	Sample
PPSP-9-S-20251105	C39288	Sample
PPSP-8-S-20251105	C59961	Sample
PPSP-8-D-20251105	C68613	Duplicate
PPSP-7-S-20251105	C24110	Sample

## 2. Analysis

The samples were analyzed for Benzene, Toluene, Ethylbenzene, m-/p-Xylenes, and o-Xylene using EPA Method 325B – Volatile Organic Compounds from Fugitive and Area Sources by Thermal Desorption and GC/MS. A copy of the acquisition method M325B-TD35 is not included in this report but may be available upon request.

The sample tube media used for this sampling period was CarbopackX. All calibration standards and laboratory QC were prepared using the same media.

## 3. Calibration

All BFB tune criteria have been met for this analysis.

The initial calibration (P111225A\_CC185154) met all 30% RSD criteria. The initial calibration verification met  $\pm 30\%$  recovery criteria. The continuing calibration verifications met 30% difference criteria. The initial and continuing calibration raw data are not included in this report but are available upon request.

# Enthalpy Analytical Narrative Summary

Company	Power Engineers, Inc.
Job No.	2025FW404-1
Client ID.	Site: Portland Pipeline - S Portland, ME

## 5. QC Notes

All quality control criteria required by the method and/or the laboratory SOP have been met unless noted otherwise below.

## 6. Reporting Notes

All tubes used for this sampling period met the method criteria for number of uses; no tube exceeded 50 field uses.

As specified in EPA Method 325B, the response factor of the daily continuing calibration standard was used to quantitate all field samples and blanks.

All samples were reported as amount in ng catch, and concentration in ug/m<sup>3</sup> and ppbv.

The results presented in this report are representative of the samples as provided to the laboratory. These analyses met the requirements of the TNI Standard. Any deviations from the requirements of the reference method or TNI Standard have been stated above.

Enthalpy Analytical, located at 800 Capitola Drive, Suite 1, Durham NC, 27713 is accredited by the Louisiana Department of Environmental Quality (LDEQ) for EPA Method 325B for all analytes included in this report under **Certificate Number 04010**.

# Results

# Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW404-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

## Summary

Sample Code	Tube ID	Benzene		Toluene		Ethylbenzene		m-/p-Xylenes		o-Xylene	
		(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag
PPSP-6-S-20251105	C69707	0.523		0.762			ND	0.540	J		ND
PPSP-5-S-20251105	C57760	0.432	J	0.767			ND	0.570	J		ND
PPSP-4-S-20251105	C69730	0.497		0.636			ND	0.493	J		ND
PPSP-3-S-20251105	C57474	0.494		0.569			ND	0.363	J		ND
PPSP-2-S-20251105	C70777	0.645		0.662			ND	0.443	J		ND
PPSP-1-S-20251105	C69719	2.26		1.71			ND	0.663	J		ND
PPSP-1-B-20251105	C01850		ND		ND		ND		ND		ND
PPSP-13-S-20251105	C17241	0.879		0.834			ND	0.325	J		ND
PPSP-12-S-20251105	C69563	1.18		1.62		0.287	J	1.35		0.387	J
PPSP-11-S-20251105	C32900	1.79		1.67			ND	0.681	J		ND
PPSP-10-S-20251105	B44431	0.899		0.960			ND	0.396	J		ND
PPSP-9-S-20251105	C39288	0.650		0.868			ND	0.407	J		ND
PPSP-8-S-20251105	C59961	0.543		0.787			ND	0.494	J		ND
PPSP-8-D-20251105	C68613	0.555		0.853			ND	0.519	J		ND
PPSP-7-S-20251105	C24110	0.535		0.814			ND	0.449	J		ND

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit

ND: The analyte was not present above the Method Detection Limit

# Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW404-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

## Benzene

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20251105	C69707	0.523	0.164	6.82	39.4	0.646	20200	0.192	0.459	0.0600	0.144		P2507220.D	2025-11-24 16:40	1.037	8.390	54550	696458	90.3	8.337	-14.0%
PPSP-5-S-20251105	C57760	0.432	0.135	5.64	39.4	0.646	20200	0.192	0.459	0.0600	0.144	J	P2507221.D	2025-11-24 17:17	1.037	8.385	45585	704343	90.3	8.331	-13.0%
PPSP-4-S-20251105	C69730	0.497	0.156	6.49	39.4	0.646	20201	0.192	0.459	0.0600	0.144		P2507222.D	2025-11-24 17:54	1.037	8.385	49815	668958	90.3	8.331	-17.4%
PPSP-3-S-20251105	C57474	0.494	0.155	6.44	39.4	0.646	20201	0.192	0.459	0.0600	0.144		P2507223.D	2025-11-24 18:32	1.037	8.385	49904	674515	90.3	8.331	-16.7%
PPSP-2-S-20251105	C70777	0.645	0.202	8.42	39.4	0.646	20201	0.192	0.459	0.0600	0.144		P2507224.D	2025-11-24 19:09	1.037	8.391	65988	682165	90.3	8.331	-15.8%
PPSP-1-S-20251105	C69719	2.26	0.706	29.4	39.4	0.646	20202	0.192	0.459	0.0600	0.144		P2507225.D	2025-11-24 19:46	1.037	8.385	231418	684593	90.3	8.331	-15.5%
PPSP-1-B-20251105	C01850				39.4	0.646	20202	0.192	0.459	0.0600	0.144	ND	P2507219.D	2025-11-24 16:02	1.037	8.384	5337	709582	90.3	8.331	-12.4%
PPSP-13-S-20251105	C17241	0.879	0.275	11.5	39.4	0.646	20203	0.192	0.459	0.0600	0.144		P2507226.D	2025-11-24 20:24	1.037	8.385	90865	689969	90.3	8.325	-14.8%
PPSP-12-S-20251105	C69563	1.18	0.369	15.4	39.4	0.646	20203	0.192	0.459	0.0600	0.144		P2507227.D	2025-11-24 21:01	1.037	8.385	119218	675803	90.3	8.325	-16.5%
PPSP-11-S-20251105	C32900	1.79	0.560	23.3	39.4	0.646	20204	0.192	0.459	0.0600	0.144		P2507228.D	2025-11-24 21:38	1.037	8.390	174636	651999	90.3	8.325	-19.5%
PPSP-10-S-20251105	B44431	0.899	0.281	11.7	39.4	0.646	20205	0.191	0.458	0.0600	0.144		P2507230.D	2025-11-24 22:53	1.037	8.391	91135	676515	90.3	8.331	-16.5%
PPSP-9-S-20251105	C39288	0.650	0.204	8.49	39.4	0.646	20205	0.191	0.458	0.0600	0.144		P2507231.D	2025-11-24 23:30	1.037	8.391	65062	667726	90.3	8.331	-17.5%
PPSP-8-S-20251105	C59961	0.543	0.170	7.09	39.4	0.646	20205	0.191	0.458	0.0600	0.144		P2507232.D	2025-11-25 00:08	1.037	8.390	53604	658470	90.3	8.331	-18.7%
PPSP-8-D-20251105	C68613	0.555	0.174	7.25	39.4	0.646	20205	0.191	0.458	0.0600	0.144		P2507233.D	2025-11-25 00:45	1.037	8.385	55099	662084	90.3	8.331	-18.2%
PPSP-7-S-20251105	C24110	0.535	0.168	6.98	39.4	0.646	20205	0.191	0.458	0.0600	0.144		P2507234.D	2025-11-25 01:22	1.037	8.379	52512	654841	90.3	8.331	-19.1%

## Toluene

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20251105	C69707	0.762	0.202	7.72	39.4	0.501	20200	0.247	0.519	0.0655	0.138		P2507220.D	2025-11-24 16:40	1.141	10.990	63209	755525	105.3	10.895	-13.8%
PPSP-5-S-20251105	C57760	0.767	0.204	7.77	39.4	0.501	20200	0.247	0.519	0.0655	0.138		P2507221.D	2025-11-24 17:17	1.141	10.990	63411	753095	105.3	10.895	-14.1%
PPSP-4-S-20251105	C69730	0.636	0.169	6.44	39.4	0.501	20201	0.247	0.519	0.0655	0.138		P2507222.D	2025-11-24 17:54	1.141	10.984	50772	727744	105.3	10.895	-17.0%
PPSP-3-S-20251105	C57474	0.569	0.151	5.76	39.4	0.501	20201	0.247	0.519	0.0655	0.138		P2507223.D	2025-11-24 18:32	1.141	10.984	46754	748910	105.3	10.895	-14.6%
PPSP-2-S-20251105	C70777	0.662	0.176	6.71	39.4	0.501	20201	0.247	0.519	0.0655	0.138		P2507224.D	2025-11-24 19:09	1.141	10.990	53221	732473	105.3	10.895	-16.5%
PPSP-1-S-20251105	C69719	1.71	0.453	17.3	39.4	0.501	20202	0.247	0.519	0.0655	0.138		P2507225.D	2025-11-24 19:46	1.141	10.984	139076	742039	105.3	10.895	-15.4%
PPSP-1-B-20251105	C01850				39.4	0.501	20202	0.247	0.519	0.0655	0.138	ND	P2507219.D	2025-11-24 16:02	1.141	10.990	8127	762658	105.3	10.895	-13.0%
PPSP-13-S-20251105	C17241	0.834	0.221	8.45	39.4	0.501	20203	0.247	0.519	0.0655	0.138		P2507226.D	2025-11-24 20:24	1.141	10.984	67762	740079	105.3	10.889	-15.6%
PPSP-12-S-20251105	C69563	1.62	0.431	16.4	39.4	0.501	20203	0.247	0.519	0.0655	0.138		P2507227.D	2025-11-24 21:01	1.141	10.984	130556	733587	105.3	10.889	-16.3%
PPSP-11-S-20251105	C32900	1.67	0.444	16.9	39.4	0.501	20204	0.247	0.519	0.0655	0.138		P2507228.D	2025-11-24 21:38	1.141	10.984	130398	711160	105.3	10.895	-18.9%
PPSP-10-S-20251105	B44431	0.960	0.255	9.73	39.4	0.501	20205	0.247	0.519	0.0655	0.138		P2507230.D	2025-11-24 22:53	1.141	10.990	77288	733149	105.3	10.889	-16.4%
PPSP-9-S-20251105	C39288	0.868	0.230	8.79	39.4	0.501	20205	0.247	0.519	0.0655	0.138		P2507231.D	2025-11-24 23:30	1.141	10.984	68035	714347	105.3	10.895	-18.5%
PPSP-8-S-20251105	C59961	0.787	0.209	7.98	39.4	0.501	20205	0.247	0.519	0.0655	0.138		P2507232.D	2025-11-25 00:08	1.141	10.990	61566	712286	105.3	10.895	-18.8%
PPSP-8-D-20251105	C68613	0.853	0.227	8.64	39.4	0.501	20205	0.247	0.519	0.0655	0.138		P2507233.D	2025-11-25 00:45	1.141	10.990	66263	707593	105.3	10.889	-19.3%
PPSP-7-S-20251105	C24110	0.814	0.216	8.25	39.4	0.501	20205	0.247	0.519	0.0655	0.138		P2507234.D	2025-11-25 01:22	1.141	10.990	64491	721509	105.3	10.895	-17.7%

## Ethylbenzene

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20251105	C69707				39.4	0.444	20200	0.279	0.610	0.0643	0.141	ND	P2507220.D	2025-11-24 16:40	1.190	13.115	13747	755525	105.3	10.895	-13.8%
PPSP-5-S-20251105	C57760				39.4	0.444	20200	0.279	0.610	0.0643	0.141	ND	P2507221.D	2025-11-24 17:17	1.190	13.121	12310	753095	105.3	10.895	-14.1%
PPSP-4-S-20251105	C69730				39.4	0.444	20201	0.279	0.610	0.0643	0.141	ND	P2507222.D	2025-11-24 17:54	1.190	13.121	11364	727744	105.3	10.895	-17.0%

# Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW404-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

## Ethylbenzene

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-3-S-20251105	C57474				39.4	0.444	20201	0.279	0.610	0.0643	0.141	ND	P2507223.D	2025-11-24 18:32	1.190	13.121	8154	748910	105.3	10.895	-14.6%
PPSP-2-S-20251105	C70777				39.4	0.444	20201	0.279	0.610	0.0643	0.141	ND	P2507224.D	2025-11-24 19:09	1.190	13.115	9081	732473	105.3	10.895	-16.5%
PPSP-1-S-20251105	C69719				39.4	0.444	20202	0.279	0.610	0.0643	0.140	ND	P2507225.D	2025-11-24 19:46	1.190	13.115	13710	742039	105.3	10.895	-15.4%
PPSP-1-B-20251105	C01850				39.4	0.444	20202	0.279	0.610	0.0643	0.140	ND	P2507219.D	2025-11-24 16:02	1.190	13.127	1127	762658	105.3	10.895	-13.0%
PPSP-13-S-20251105	C17241				39.4	0.444	20203	0.279	0.610	0.0643	0.140	ND	P2507226.D	2025-11-24 20:24	1.190	13.115	8653	740079	105.3	10.889	-15.6%
PPSP-12-S-20251105	C69563	0.287	0.0662	2.57	39.4	0.444	20203	0.279	0.610	0.0643	0.140	J	P2507227.D	2025-11-24 21:01	1.190	13.115	21349	733587	105.3	10.889	-16.3%
PPSP-11-S-20251105	C32900				39.4	0.444	20204	0.279	0.610	0.0643	0.140	ND	P2507228.D	2025-11-24 21:38	1.190	13.115	14641	711160	105.3	10.895	-18.9%
PPSP-10-S-20251105	B44431				39.4	0.444	20205	0.279	0.610	0.0643	0.140	ND	P2507230.D	2025-11-24 22:53	1.190	13.115	9848	733149	105.3	10.889	-16.4%
PPSP-9-S-20251105	C39288				39.4	0.444	20205	0.279	0.610	0.0643	0.140	ND	P2507231.D	2025-11-24 23:30	1.190	13.115	9504	714347	105.3	10.895	-18.5%
PPSP-8-S-20251105	C59961				39.4	0.444	20205	0.279	0.610	0.0643	0.140	ND	P2507232.D	2025-11-25 00:08	1.190	13.115	10187	712286	105.3	10.895	-18.8%
PPSP-8-D-20251105	C68613				39.4	0.444	20205	0.279	0.610	0.0643	0.140	ND	P2507233.D	2025-11-25 00:45	1.190	13.115	10837	707593	105.3	10.889	-19.3%
PPSP-7-S-20251105	C24110				39.4	0.444	20205	0.279	0.610	0.0643	0.140	ND	P2507234.D	2025-11-25 01:22	1.190	13.115	11534	721509	105.3	10.895	-17.7%

## m-/p-Xylenes

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20251105	C69707	0.540	0.124	4.84	39.4	0.444	20200	0.279	0.683	0.0643	0.157	J	P2507220.D	2025-11-24 16:40	0.931	13.293	32302	755525	105.3	10.895	-13.8%
PPSP-5-S-20251105	C57760	0.570	0.131	5.10	39.4	0.444	20200	0.279	0.683	0.0643	0.157	J	P2507221.D	2025-11-24 17:17	0.931	13.293	33993	753095	105.3	10.895	-14.1%
PPSP-4-S-20251105	C69730	0.493	0.114	4.42	39.4	0.444	20201	0.279	0.683	0.0643	0.157	J	P2507222.D	2025-11-24 17:54	0.931	13.293	28423	727744	105.3	10.895	-17.0%
PPSP-3-S-20251105	C57474	0.363	0.0837	3.26	39.4	0.444	20201	0.279	0.683	0.0643	0.157	J	P2507223.D	2025-11-24 18:32	0.931	13.293	21560	748910	105.3	10.895	-14.6%
PPSP-2-S-20251105	C70777	0.443	0.102	3.97	39.4	0.444	20201	0.279	0.683	0.0643	0.157	J	P2507224.D	2025-11-24 19:09	0.931	13.287	25704	732473	105.3	10.895	-16.5%
PPSP-1-S-20251105	C69719	0.663	0.153	5.94	39.4	0.444	20202	0.279	0.683	0.0643	0.157	J	P2507225.D	2025-11-24 19:46	0.931	13.293	38963	742039	105.3	10.895	-15.4%
PPSP-1-B-20251105	C01850				39.4	0.444	20202	0.279	0.683	0.0643	0.157	ND	P2507219.D	2025-11-24 16:02	0.931	13.323	1161	762658	105.3	10.895	-13.0%
PPSP-13-S-20251105	C17241	0.325	0.0748	2.91	39.4	0.444	20203	0.279	0.683	0.0643	0.157	J	P2507226.D	2025-11-24 20:24	0.931	13.287	19035	740079	105.3	10.889	-15.6%
PPSP-12-S-20251105	C69563	1.35	0.310	12.1	39.4	0.444	20203	0.279	0.683	0.0643	0.157	J	P2507227.D	2025-11-24 21:01	0.931	13.287	78299	733587	105.3	10.889	-16.3%
PPSP-11-S-20251105	C32900	0.681	0.157	6.11	39.4	0.444	20204	0.279	0.683	0.0643	0.157	J	P2507228.D	2025-11-24 21:38	0.931	13.293	38398	711160	105.3	10.895	-18.9%
PPSP-10-S-20251105	B44431	0.396	0.0912	3.55	39.4	0.444	20205	0.279	0.683	0.0643	0.157	J	P2507230.D	2025-11-24 22:53	0.931	13.287	23007	733149	105.3	10.889	-16.4%
PPSP-9-S-20251105	C39288	0.407	0.0937	3.65	39.4	0.444	20205	0.279	0.683	0.0643	0.157	J	P2507231.D	2025-11-24 23:30	0.931	13.287	23026	714347	105.3	10.895	-18.5%
PPSP-8-S-20251105	C59961	0.494	0.114	4.43	39.4	0.444	20205	0.279	0.683	0.0643	0.157	J	P2507232.D	2025-11-25 00:08	0.931	13.287	27899	712286	105.3	10.895	-18.8%
PPSP-8-D-20251105	C68613	0.519	0.120	4.65	39.4	0.444	20205	0.279	0.683	0.0643	0.157	J	P2507233.D	2025-11-25 00:45	0.931	13.293	29112	707593	105.3	10.889	-19.3%
PPSP-7-S-20251105	C24110	0.449	0.104	4.03	39.4	0.444	20205	0.279	0.683	0.0643	0.157	J	P2507234.D	2025-11-25 01:22	0.931	13.293	25686	721509	105.3	10.895	-17.7%

## o-Xylene

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20251105	C69707				39.4	0.444	20200	0.279	0.635	0.0643	0.146	ND	P2507220.D	2025-11-24 16:40	0.994	13.786	11564	755525	105.3	10.895	-13.8%
PPSP-5-S-20251105	C57760				39.4	0.444	20200	0.279	0.636	0.0643	0.146	ND	P2507221.D	2025-11-24 17:17	0.994	13.780	11616	753095	105.3	10.895	-14.1%
PPSP-4-S-20251105	C69730				39.4	0.444	20201	0.279	0.635	0.0643	0.146	ND	P2507222.D	2025-11-24 17:54	0.994	13.780	10175	727744	105.3	10.895	-17.0%
PPSP-3-S-20251105	C57474				39.4	0.444	20201	0.279	0.635	0.0643	0.146	ND	P2507223.D	2025-11-24 18:32	0.994	13.780	7771	748910	105.3	10.895	-14.6%
PPSP-2-S-20251105	C70777				39.4	0.444	20201	0.279	0.635	0.0643	0.146	ND	P2507224.D	2025-11-24 19:09	0.994	13.780	8005	732473	105.3	10.895	-16.5%
PPSP-1-S-20251105	C69719				39.4	0.444	20202	0.279	0.635	0.0643	0.146	ND	P2507225.D	2025-11-24 19:46	0.994	13.780	12112	742039	105.3	10.895	-15.4%

# Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW404-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

## o-Xylene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-1-B-20251105	C01850				39.4	0.444	20202	0.279	0.635	0.0643	0.146	ND	P2507219.D	2025-11-24 16:02	0.994	13.797	382	762658	105.3	10.895	-13.0%
PPSP-13-S-20251105	C17241				39.4	0.444	20203	0.279	0.635	0.0643	0.146	ND	P2507226.D	2025-11-24 20:24	0.994	13.780	6947	740079	105.3	10.889	-15.6%
PPSP-12-S-20251105	C69563	0.387	0.0891	3.47	39.4	0.444	20203	0.279	0.635	0.0643	0.146	J	P2507227.D	2025-11-24 21:01	0.994	13.774	24001	733587	105.3	10.889	-16.3%
PPSP-11-S-20251105	C32900				39.4	0.444	20204	0.279	0.635	0.0643	0.146	ND	P2507228.D	2025-11-24 21:38	0.994	13.780	11673	711160	105.3	10.895	-18.9%
PPSP-10-S-20251105	B44431				39.4	0.444	20205	0.279	0.635	0.0643	0.146	ND	P2507230.D	2025-11-24 22:53	0.994	13.780	9592	733149	105.3	10.889	-16.4%
PPSP-9-S-20251105	C39288				39.4	0.444	20205	0.279	0.635	0.0643	0.146	ND	P2507231.D	2025-11-24 23:30	0.994	13.780	8486	714347	105.3	10.895	-18.5%
PPSP-8-S-20251105	C59961				39.4	0.444	20205	0.279	0.635	0.0643	0.146	ND	P2507232.D	2025-11-25 00:08	0.994	13.780	9807	712286	105.3	10.895	-18.8%
PPSP-8-D-20251105	C68613				39.4	0.444	20205	0.279	0.635	0.0643	0.146	ND	P2507233.D	2025-11-25 00:45	0.994	13.786	9739	707593	105.3	10.889	-19.3%
PPSP-7-S-20251105	C24110				39.4	0.444	20205	0.279	0.635	0.0643	0.146	ND	P2507234.D	2025-11-25 01:22	0.994	13.780	9048	721509	105.3	10.895	-17.7%

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit

ND: The analyte was not present above the Method Detection Limit

# QC Data



## Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW404-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

### QC Samples

Field Sample Type	Sample Code	Benzene		Toluene		Ethylbenzene		m-/p-Xylenes		o-Xylene	
Blanks (ug/m <sup>3</sup> )	PPSP-1-B-20251105	ND	Pass	ND	Pass	ND	Pass	ND	Pass	ND	Pass
Duplicates (difference)	PPSP-8-D-20251105	2.2%	Pass	8.0%	Pass	ND	Pass	4.9%	Pass	ND	Pass

## Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW404-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

### Benzene Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5 REC	P2507217.D	B50733	Cal	1.037		1.037	-2.3%	1.2%		Pass	
2025FW404 Method Blank-1	P2507218.D	B46113	Blank			1.037			-6.7%	Pass	ND
M325B CCV 5	P2507229.D	B46356	Check	1.048		1.037	-1.2%		-16%	Pass	
M325B CCV 5 REC	P2507235.D	C71731	Check	0.950		1.037	-10%		-12%	Pass	

### Toluene Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5 REC	P2507217.D	B50733	Cal	1.141		1.141	2.5%	-1.0%		Pass	
2025FW404 Method Blank-1	P2507218.D	B46113	Blank			1.141			-8.7%	Pass	ND
M325B CCV 5	P2507229.D	B46356	Check	1.169		1.141	5.0%		-17%	Pass	
M325B CCV 5 REC	P2507235.D	C71731	Check	1.000		1.141	-10%		-11%	Pass	

### Ethylbenzene Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5 REC	P2507217.D	B50733	Cal	1.190		1.190	3.9%	-1.0%		Pass	
2025FW404 Method Blank-1	P2507218.D	B46113	Blank			1.190			-8.7%	Pass	ND
M325B CCV 5	P2507229.D	B46356	Check	1.158		1.190	1.1%		-17%	Pass	
M325B CCV 5 REC	P2507235.D	C71731	Check	1.056		1.190	-7.8%		-11%	Pass	

### m-/p-Xylenes Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5 REC	P2507217.D	B50733	Cal	0.931		0.931	8.5%	-1.0%		Pass	
2025FW404 Method Blank-1	P2507218.D	B46113	Blank			0.931			-8.7%	Pass	ND
M325B CCV 5	P2507229.D	B46356	Check	0.891		0.931	3.8%		-17%	Pass	
M325B CCV 5 REC	P2507235.D	C71731	Check	0.725		0.931	-16%		-11%	Pass	

### o-Xylene Calibration and Blanks

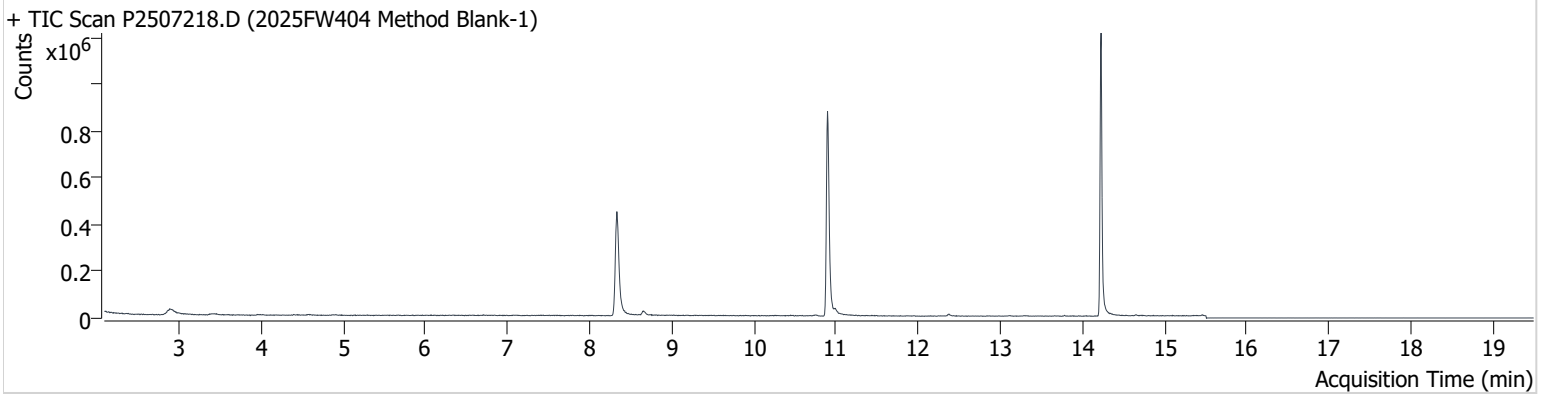
Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5 REC	P2507217.D	B50733	Cal	0.994		0.994	15%	-1.0%		Pass	
2025FW404 Method Blank-1	P2507218.D	B46113	Blank			0.994			-8.7%	Pass	ND
M325B CCV 5	P2507229.D	B46356	Check	1.010		0.994	17%		-17%	Pass	
M325B CCV 5 REC	P2507235.D	C71731	Check	0.745		0.994	-14%		-11%	Pass	

# Chromatograms



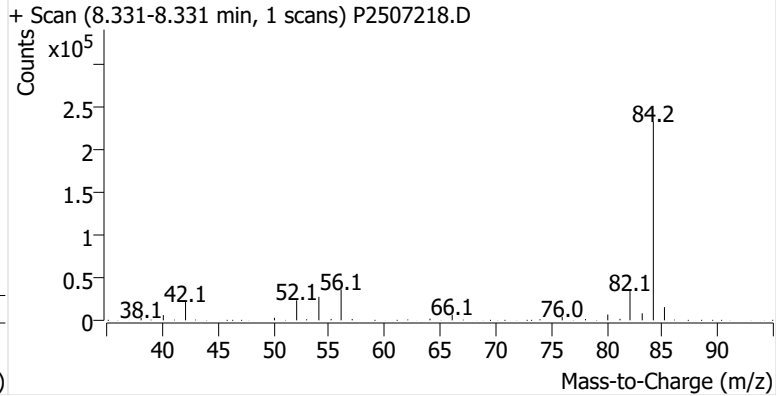
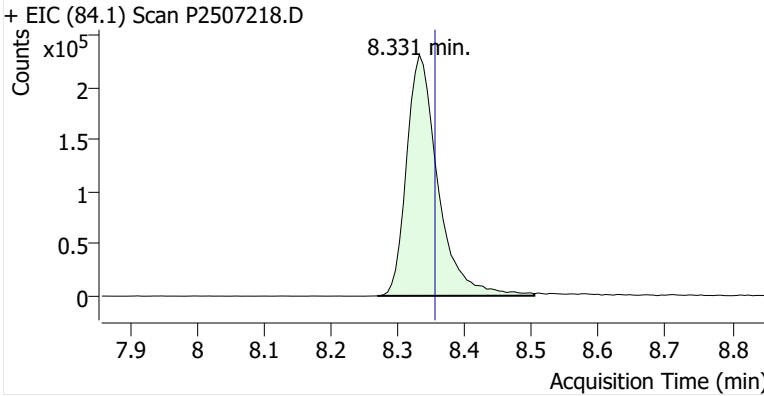
**Name** 2025FW404 Method Blank-1  
**Comment** B46113  
**Data File** P2507218.D  
**Acq. Date-Time** 11/24/2025 3:25:37 PM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

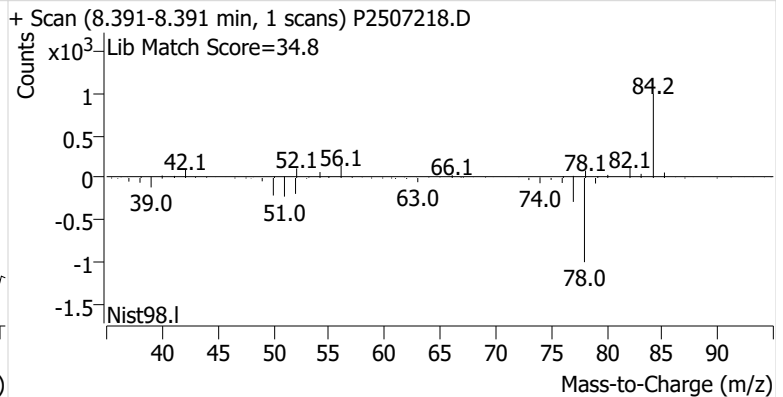
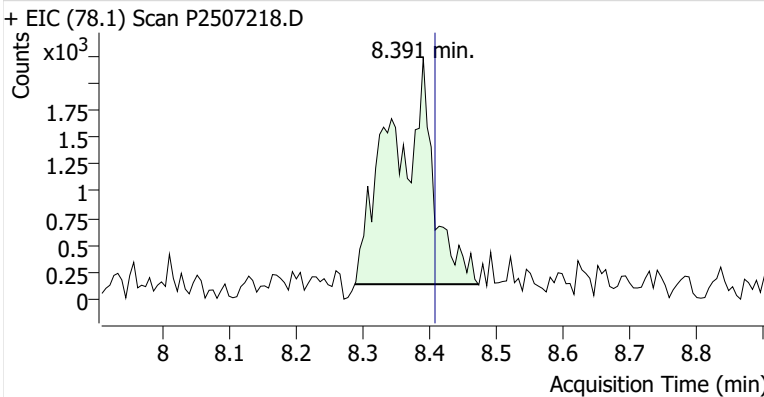


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.331	8.355	755,573	
Benzene	benzene-d6 (IS)	8.391	8.408	9,256	
Toluene-d8 (IS)		10.895	10.913	800,142	
Toluene	Toluene-d8 (IS)	10.990	11.008	13,751	
Ethylbenzene	Toluene-d8 (IS)	13.103	13.139	2,371	
m-/p-Xylenes	Toluene-d8 (IS)	13.299	13.329	1,806	
o-Xylene	Toluene-d8 (IS)	13.786	13.798	1,450	m

**benzene-d6 (IS)**

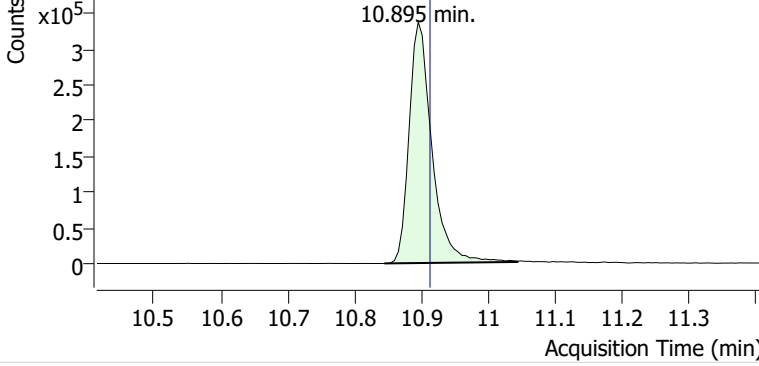


**Benzene**

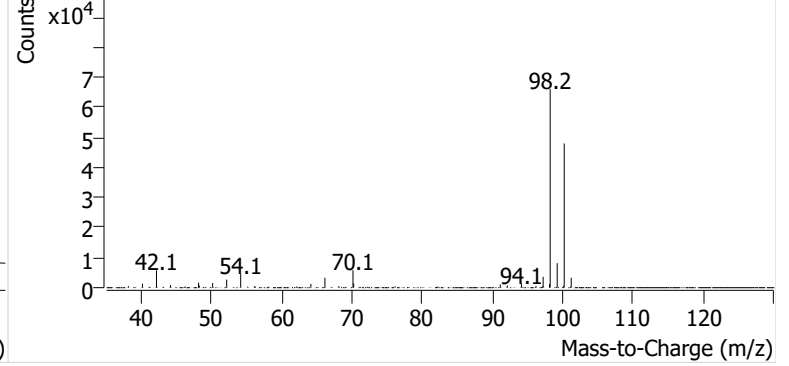


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2507218.D

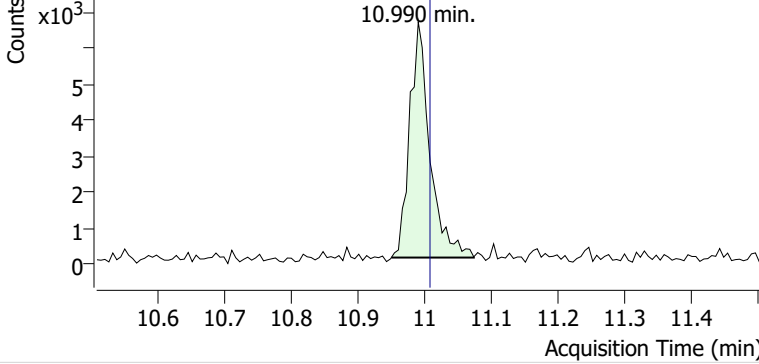


+ Scan (10.845-11.044 min, 34 scans) P2507218.D

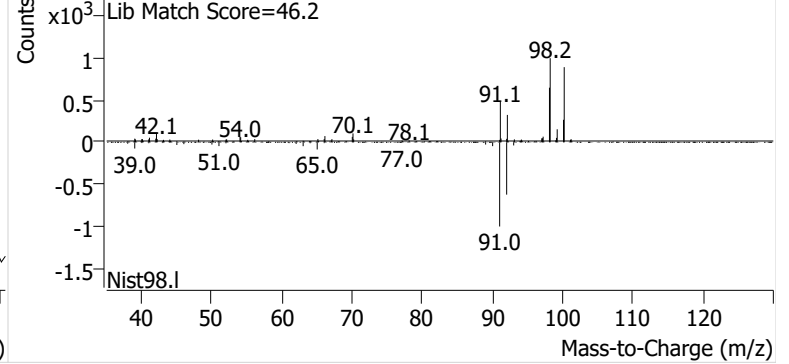


**Toluene**

+ EIC (91.1) Scan P2507218.D

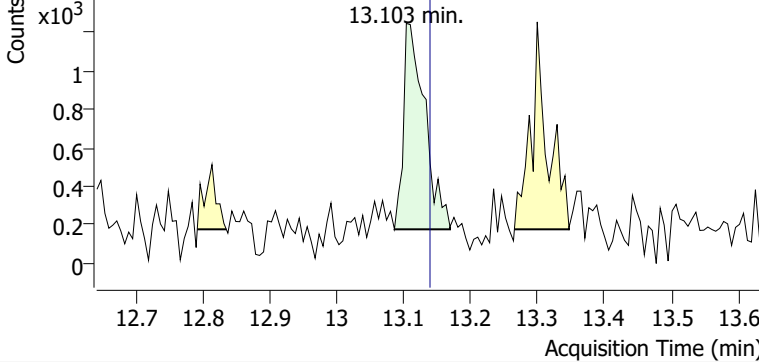


+ Scan (10.950-11.074 min, 21 scans) P2507218.D

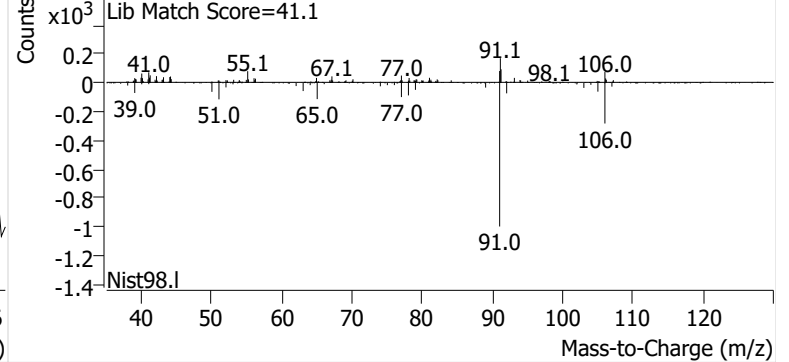


**Ethylbenzene**

+ EIC (91.1) Scan P2507218.D

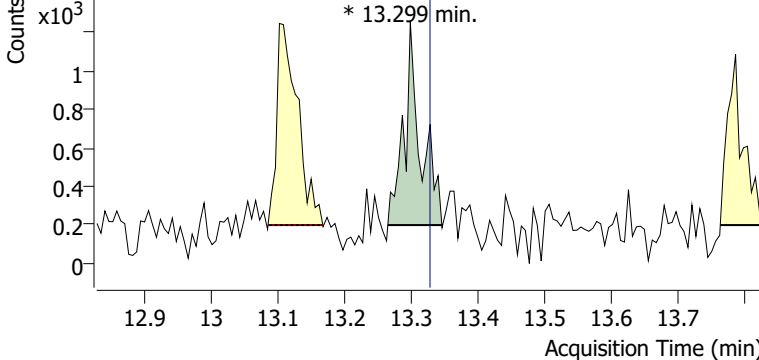


+ Scan (13.086-13.169 min, 15 scans) P2507218.D

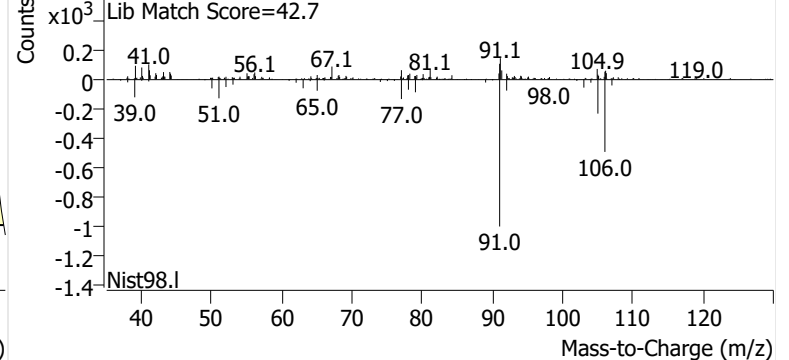


**m-/p-Xylenes**

+ EIC (91.1) Scan P2507218.D

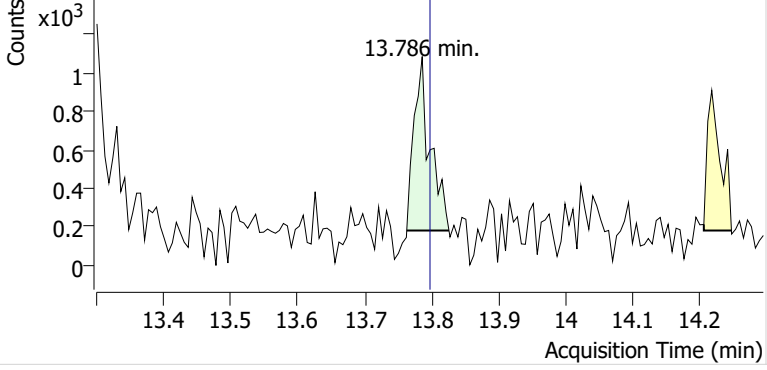


+ Scan (13.266-13.346 min, 13 scans) P2507218.D

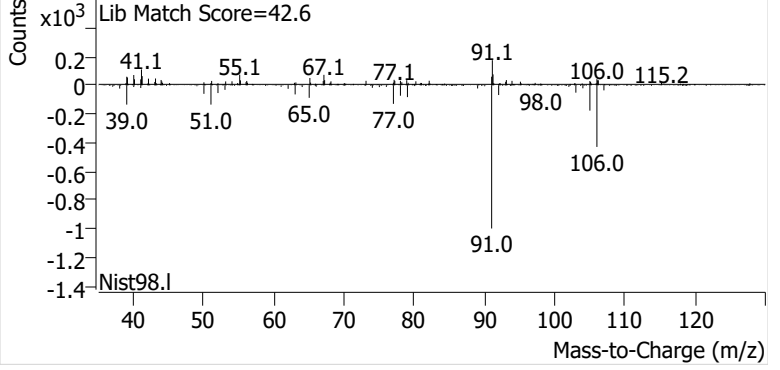


**o-Xylene**

+ EIC (91.1) Scan P2507218.D

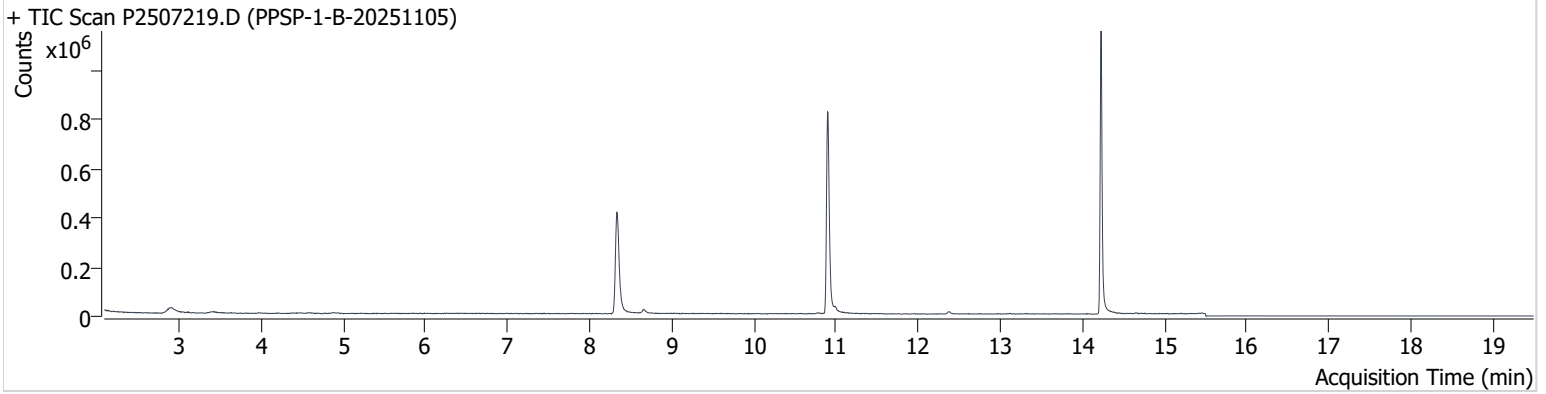


+ Scan (13.763-13.826 min, 10 scans) P2507218.D



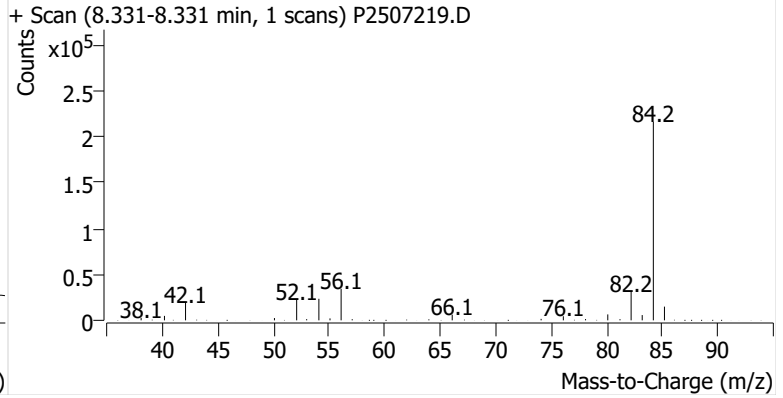
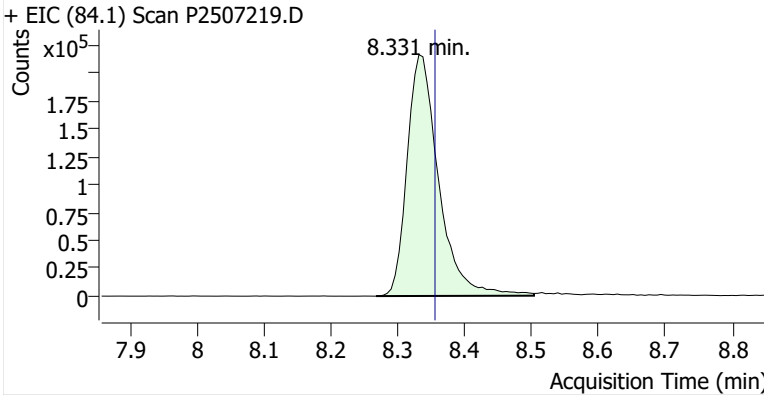
**Name** PPSP-1-B-20251105  
**Comment** C01850  
**Data File** P2507219.D  
**Acq. Date-Time** 11/24/2025 4:02:55 PM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

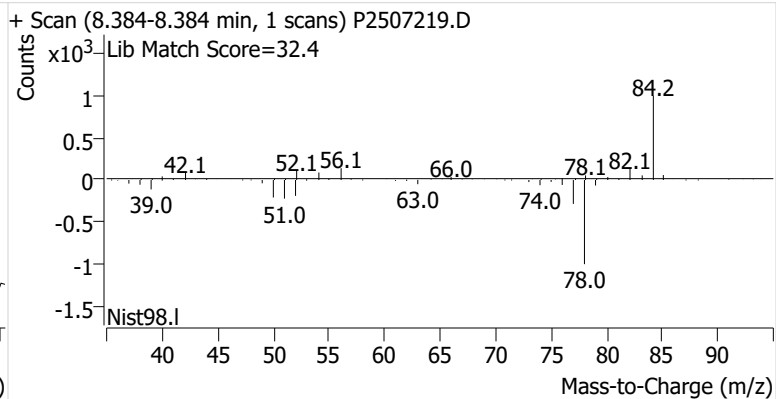
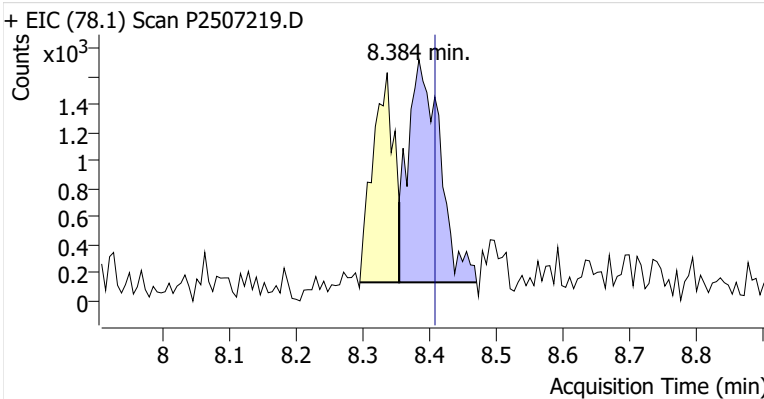


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.331	8.355	709,582	
Benzene	benzene-d6 (IS)	8.384	8.408	5,337	
Toluene-d8 (IS)		10.895	10.913	762,658	
Toluene	Toluene-d8 (IS)	10.990	11.008	8,127	
Ethylbenzene	Toluene-d8 (IS)	13.127	13.139	1,127	m
m-/p-Xylenes	Toluene-d8 (IS)	13.323	13.329	1,161	m
o-Xylene	Toluene-d8 (IS)	13.797	13.798	382	

**benzene-d6 (IS)**

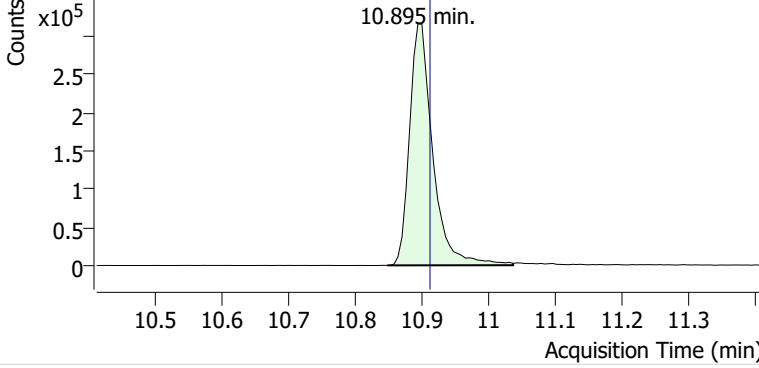


**Benzene**

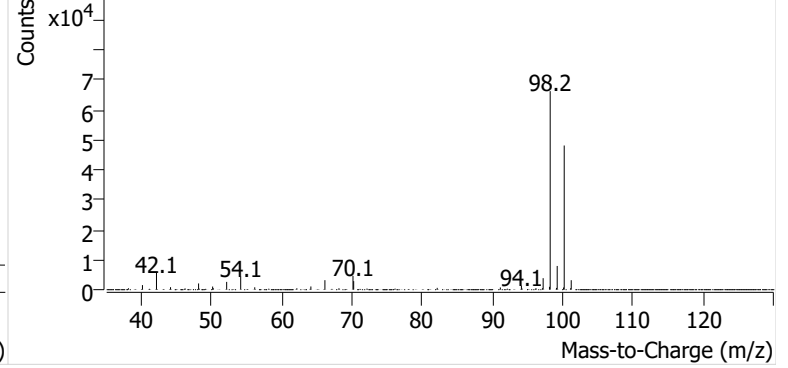


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2507219.D

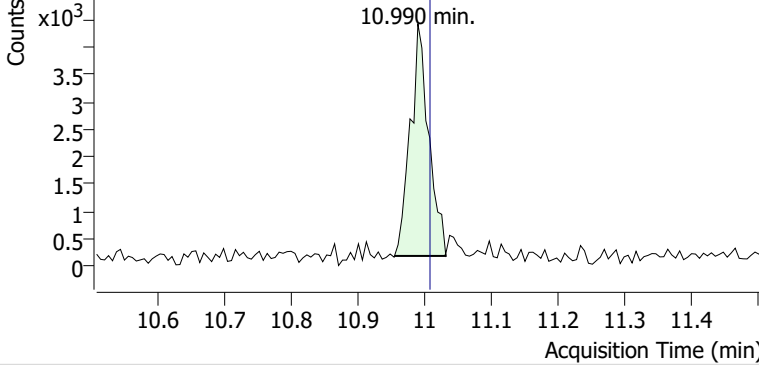


+ Scan (10.849-11.037 min, 32 scans) P2507219.D

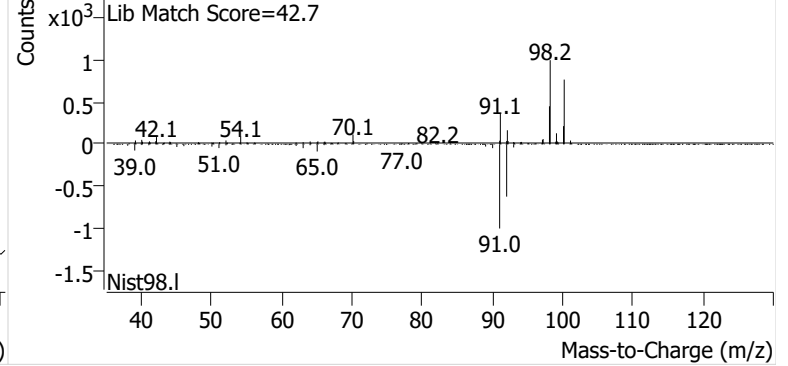


**Toluene**

+ EIC (91.1) Scan P2507219.D

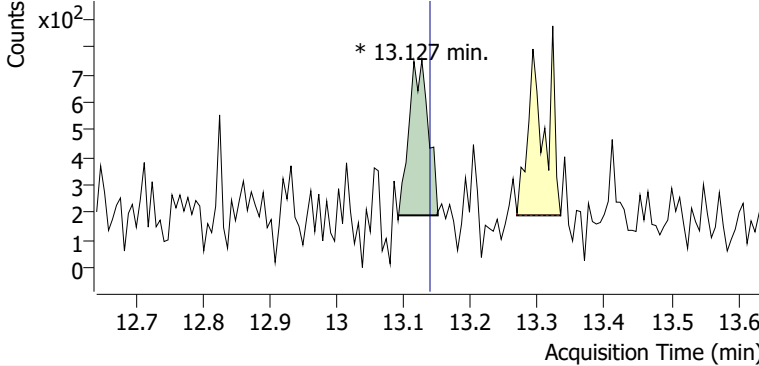


+ Scan (10.955-11.031 min, 13 scans) P2507219.D

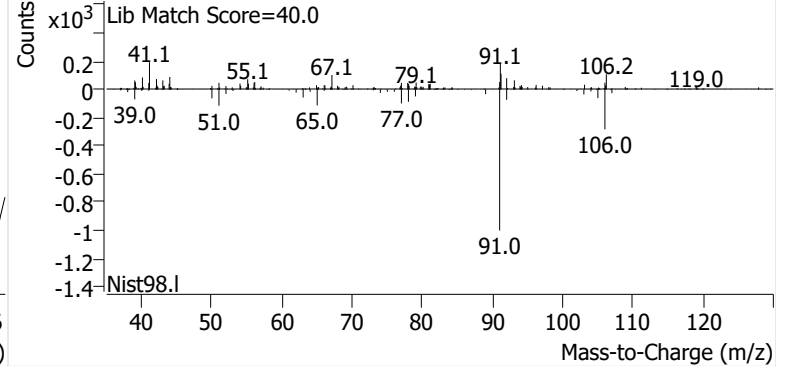


**Ethylbenzene**

+ EIC (91.1) Scan P2507219.D

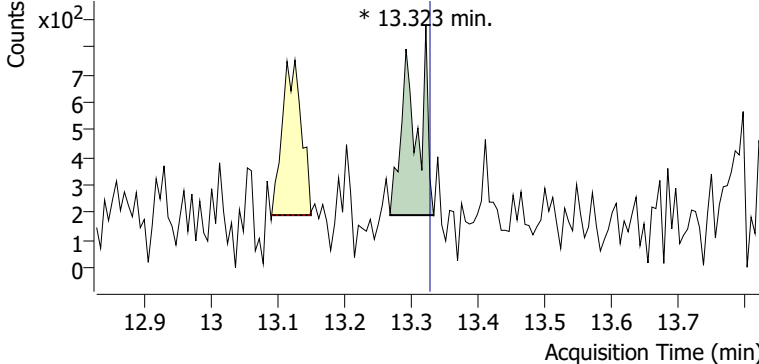


+ Scan (13.092-13.150 min, 10 scans) P2507219.D

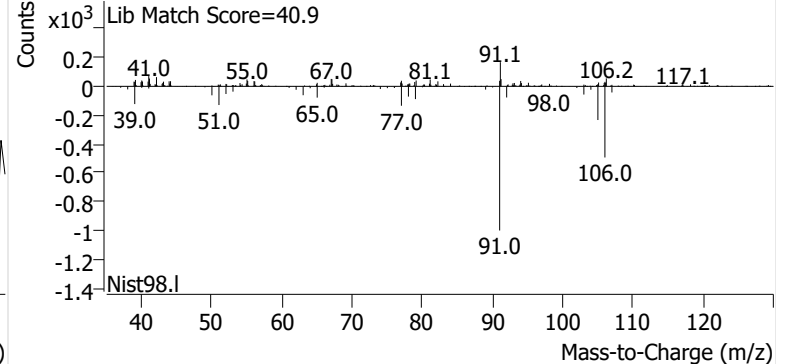


**m-/p-Xylenes**

+ EIC (91.1) Scan P2507219.D

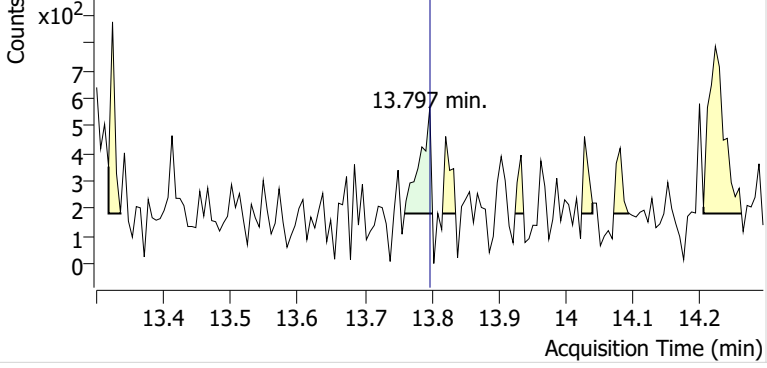


+ Scan (13.269-13.334 min, 11 scans) P2507219.D

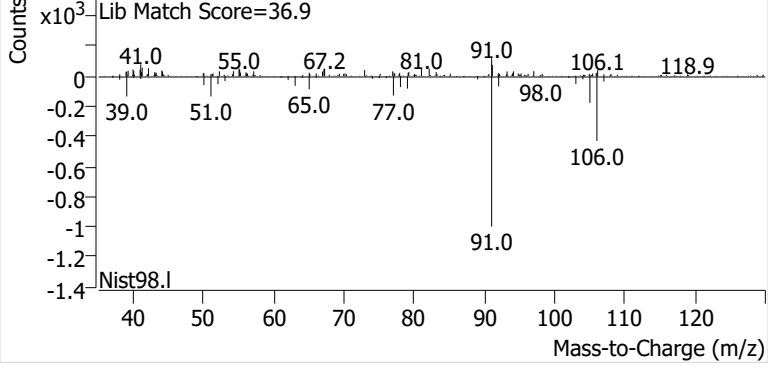


**o-Xylene**

+ EIC (91.1) Scan P2507219.D

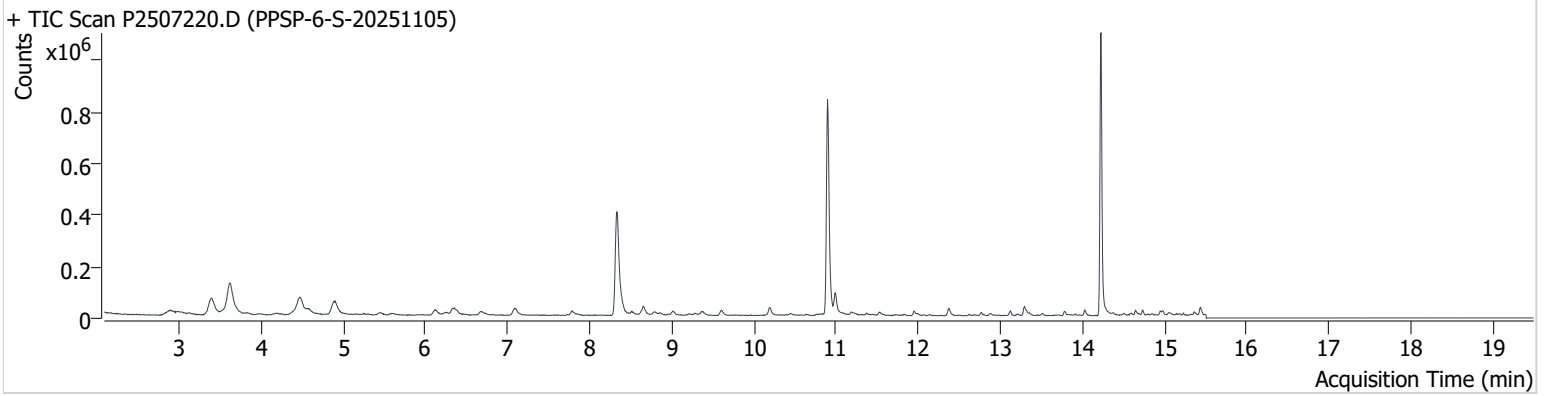


+ Scan (13.759-13.801 min, 7 scans) P2507219.D



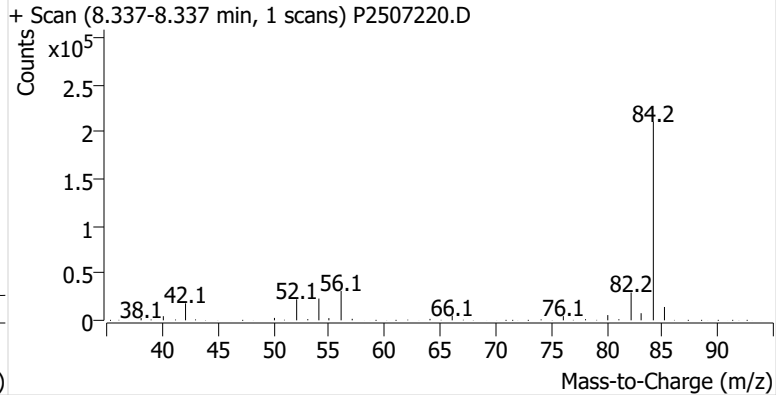
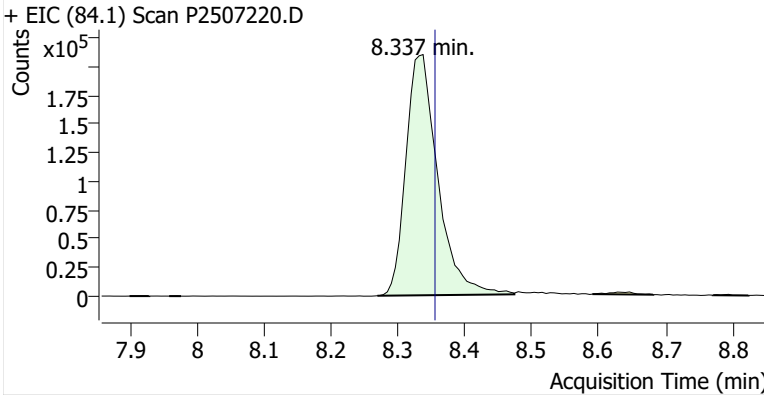
**Name** PPSP-6-S-20251105  
**Comment** C69707  
**Data File** P2507220.D  
**Acq. Date-Time** 11/24/2025 4:40:13 PM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

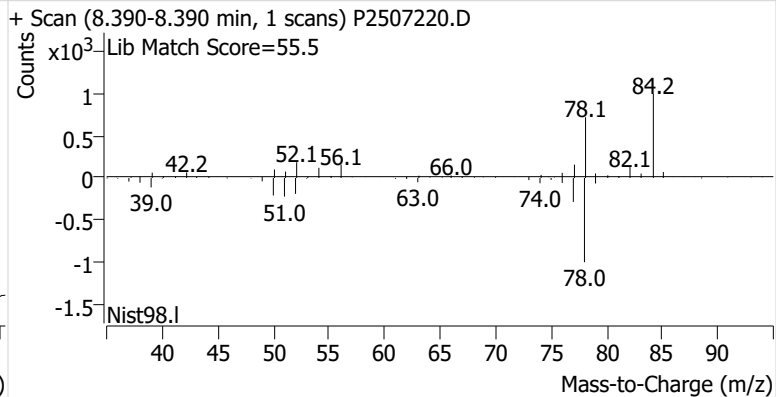
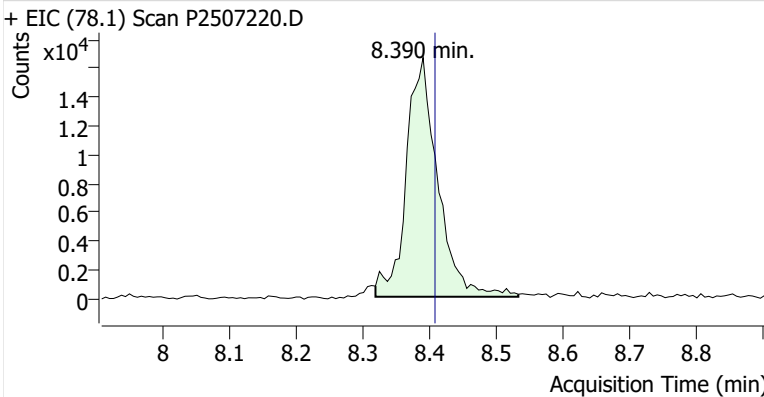


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.337	8.355	696,458	
Benzene	benzene-d6 (IS)	8.390	8.408	54,550	
Toluene-d8 (IS)		10.895	10.913	755,525	
Toluene	Toluene-d8 (IS)	10.990	11.008	63,209	
Ethylbenzene	Toluene-d8 (IS)	13.115	13.139	13,747	
m-/p-Xylenes	Toluene-d8 (IS)	13.293	13.329	32,302	
o-Xylene	Toluene-d8 (IS)	13.786	13.798	11,564	

**benzene-d6 (IS)**

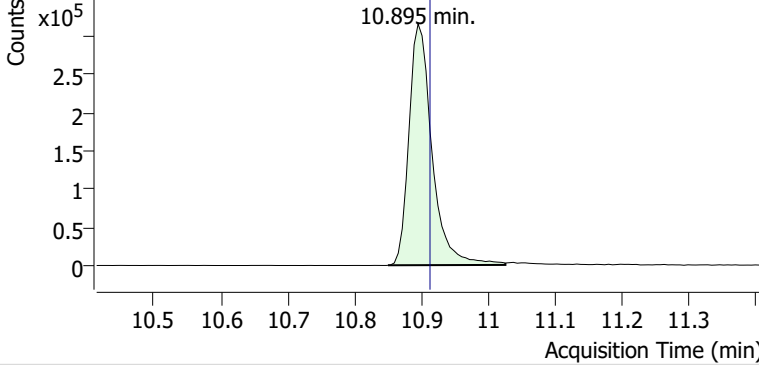


**Benzene**

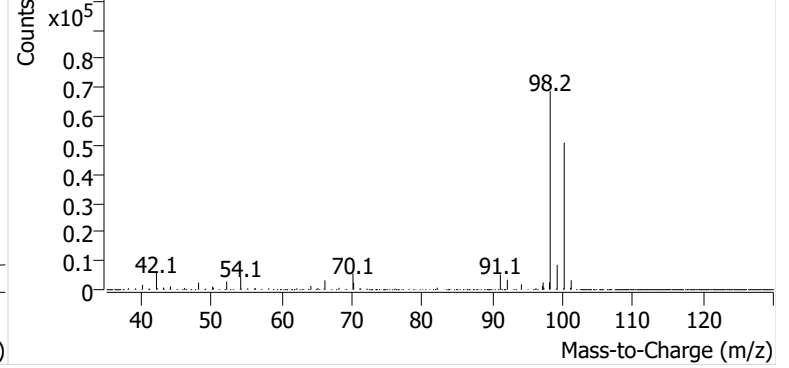


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2507220.D

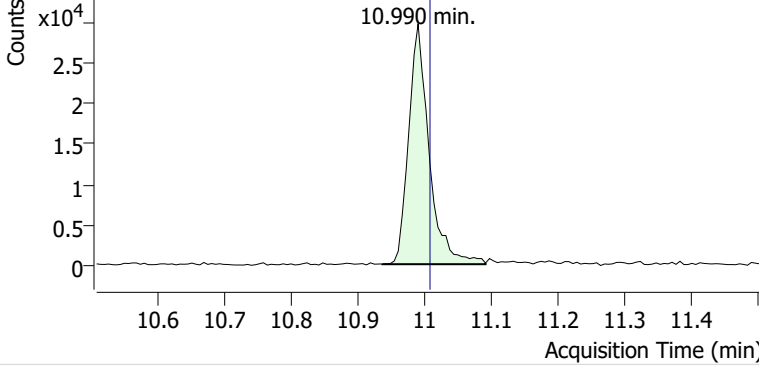


+ Scan (10.850-11.026 min, 30 scans) P2507220.D

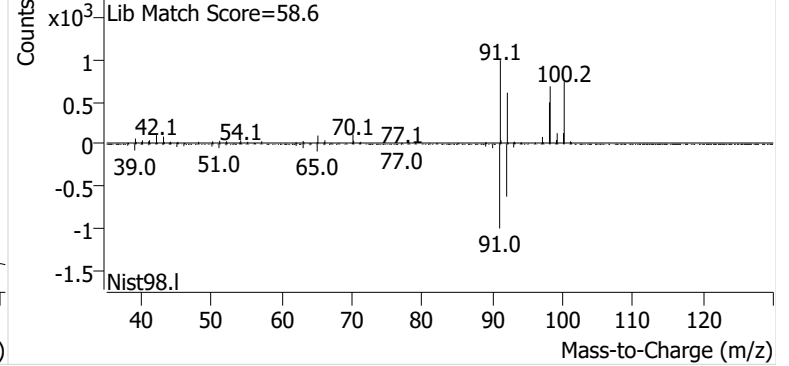


**Toluene**

+ EIC (91.1) Scan P2507220.D

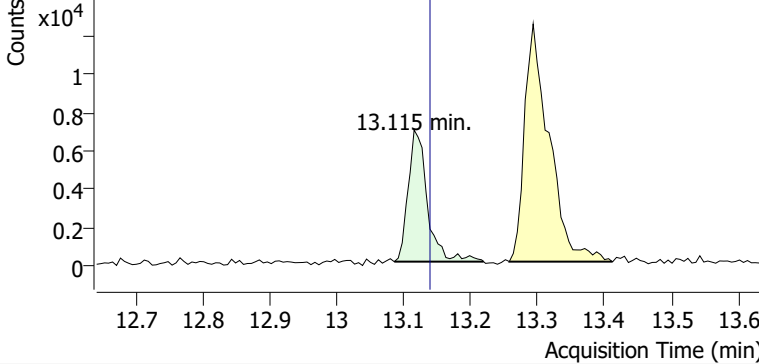


+ Scan (10.937-11.091 min, 27 scans) P2507220.D

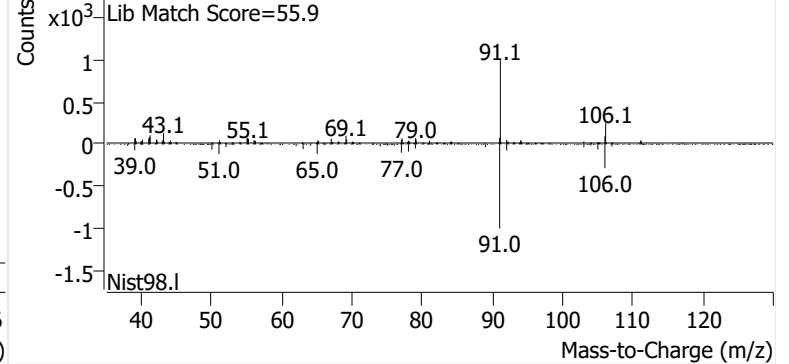


**Ethylbenzene**

+ EIC (91.1) Scan P2507220.D

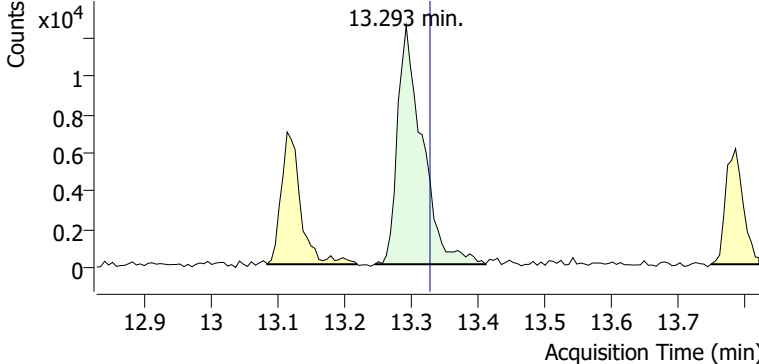


+ Scan (13.086-13.219 min, 22 scans) P2507220.D

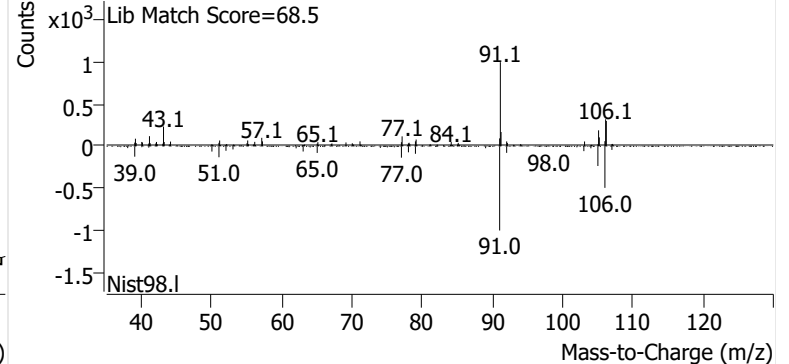


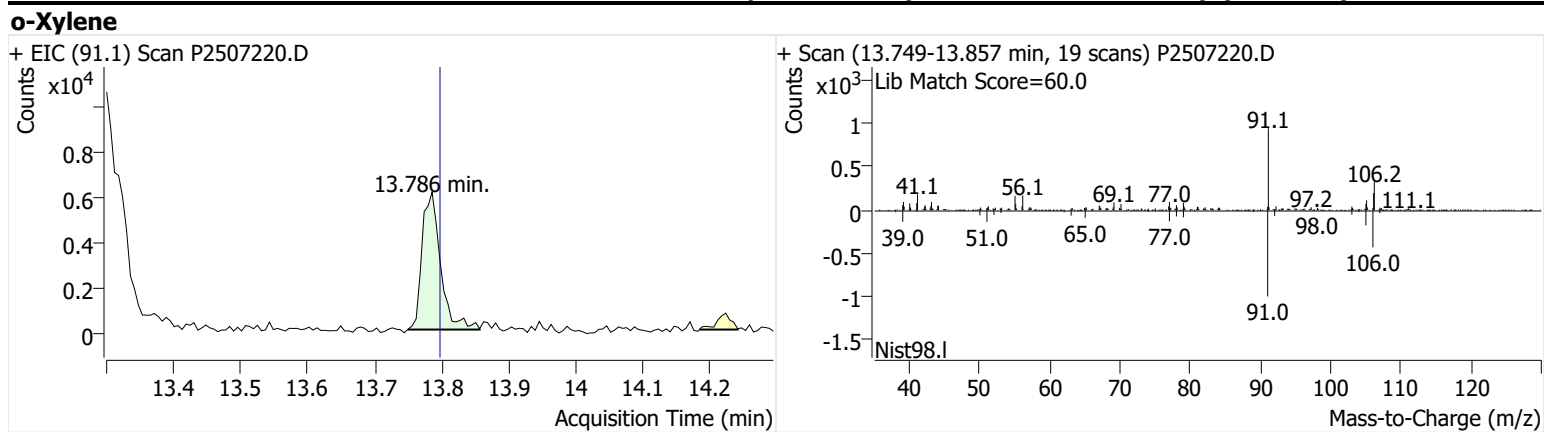
**m-/p-Xylenes**

+ EIC (91.1) Scan P2507220.D



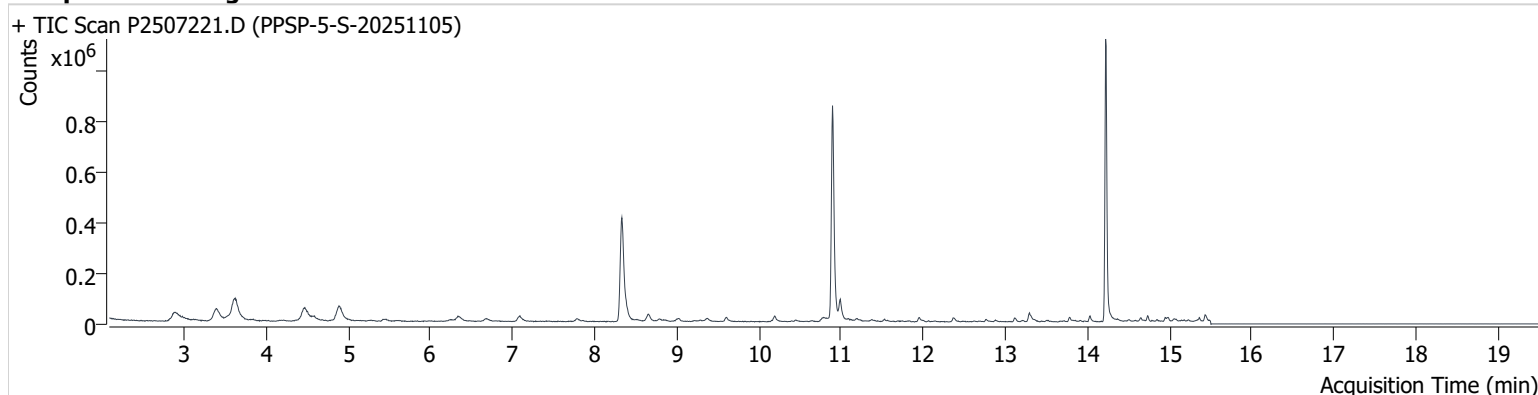
+ Scan (13.246-13.412 min, 28 scans) P2507220.D





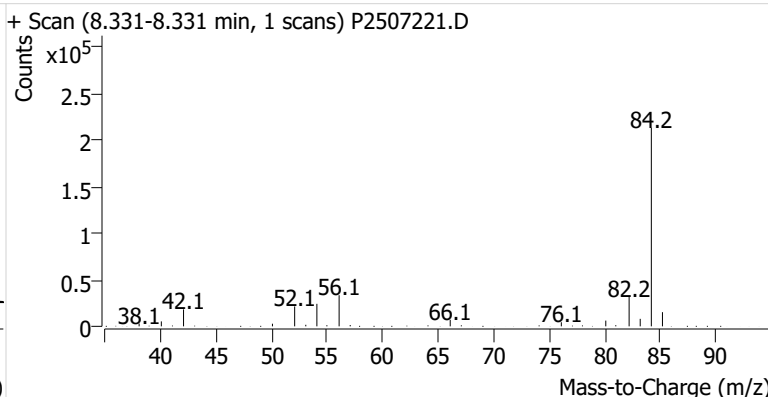
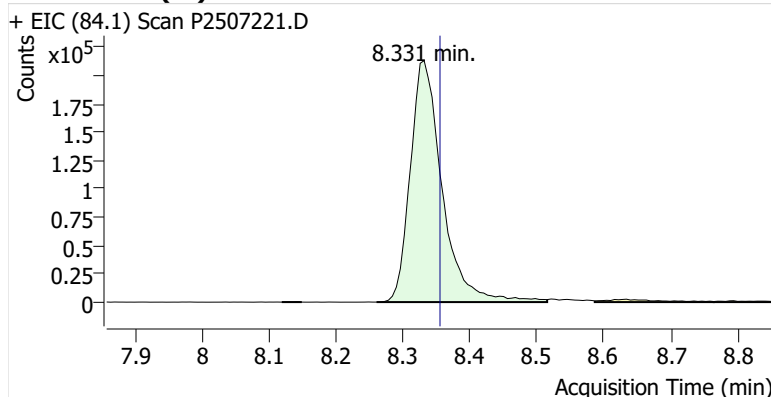
**Name** PPSP-5-S-20251105  
**Comment** C57760  
**Data File** P2507221.D  
**Acq. Date-Time** 11/24/2025 5:17:34 PM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

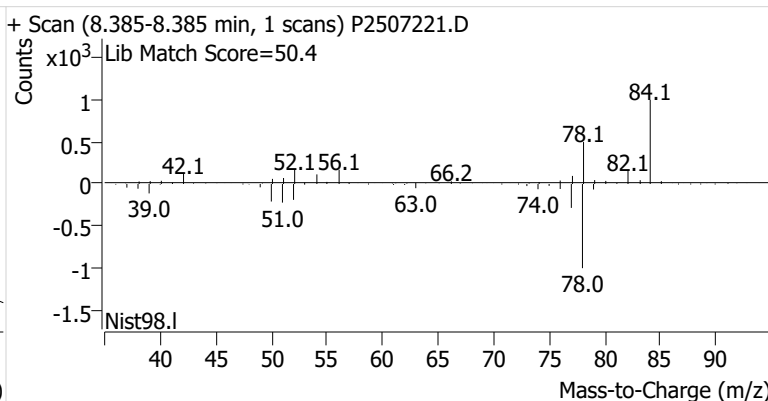
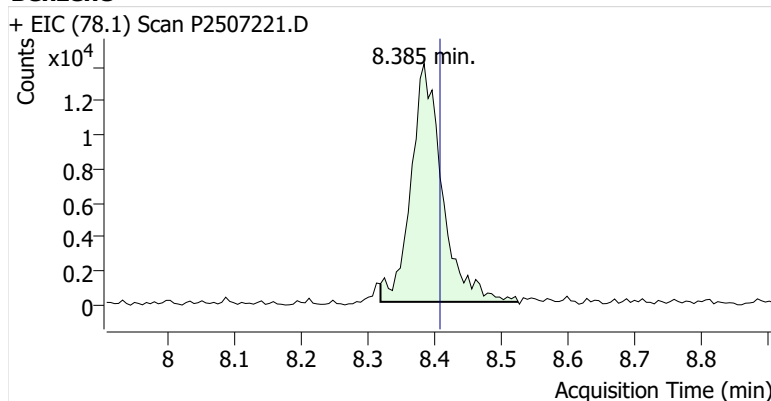


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.331	8.355	704,343	
Benzene	benzene-d6 (IS)	8.385	8.408	45,585	
Toluene-d8 (IS)		10.895	10.913	753,095	
Toluene	Toluene-d8 (IS)	10.990	11.008	63,411	
Ethylbenzene	Toluene-d8 (IS)	13.121	13.139	12,310	
m-/p-Xylenes	Toluene-d8 (IS)	13.293	13.329	33,993	
o-Xylene	Toluene-d8 (IS)	13.780	13.798	11,616	

**benzene-d6 (IS)**

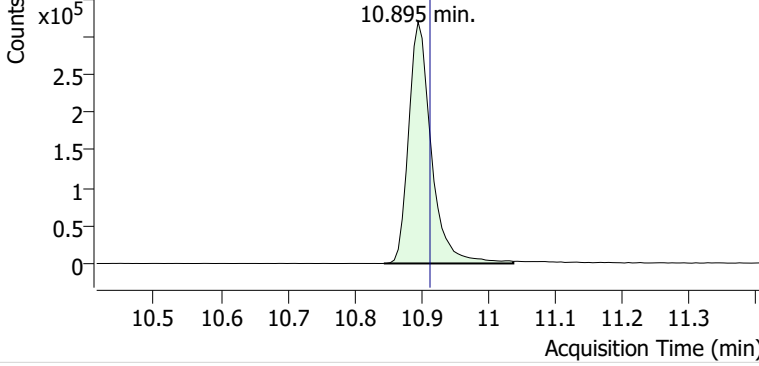


**Benzene**

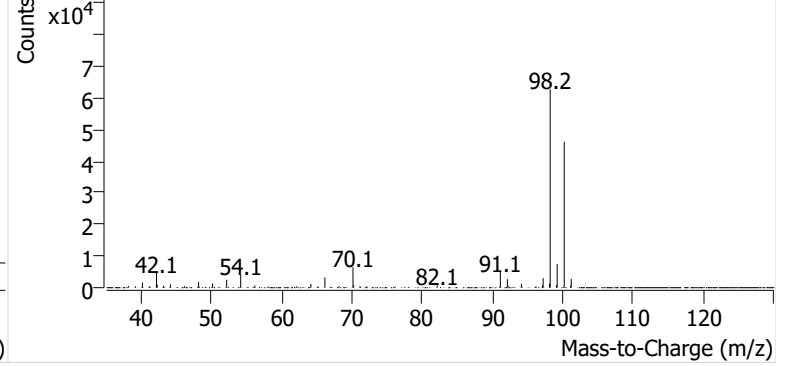


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2507221.D

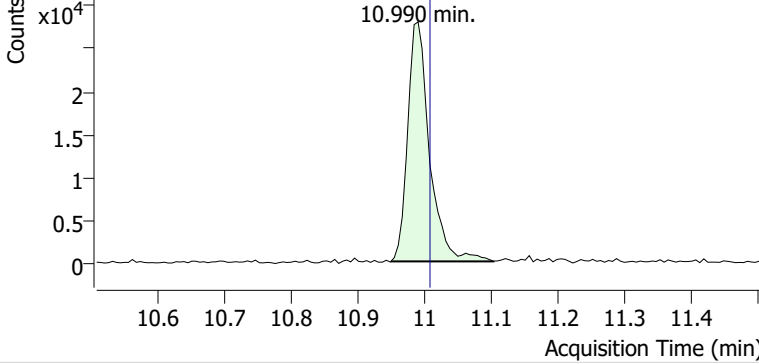


+ Scan (10.844-11.038 min, 33 scans) P2507221.D

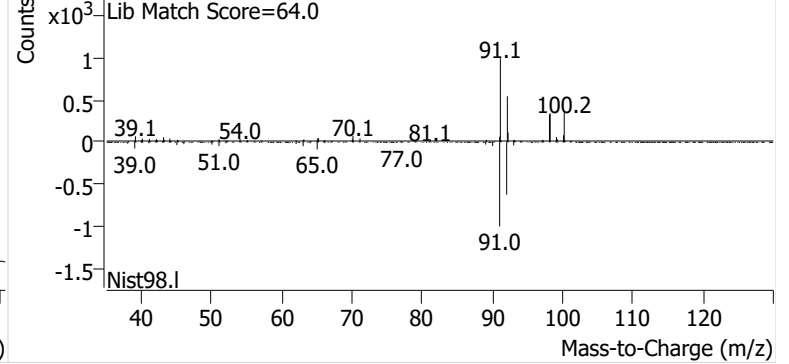


**Toluene**

+ EIC (91.1) Scan P2507221.D

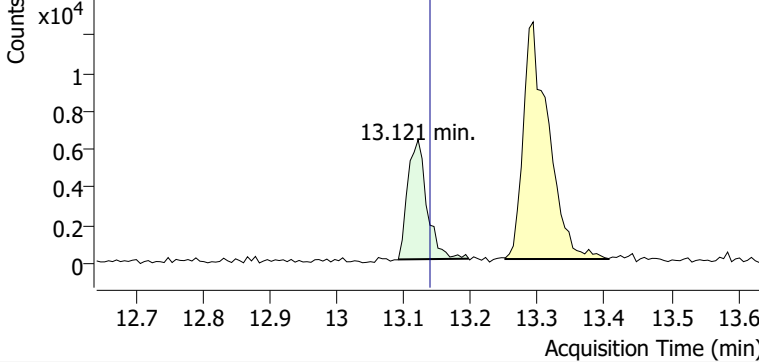


+ Scan (10.950-11.103 min, 26 scans) P2507221.D

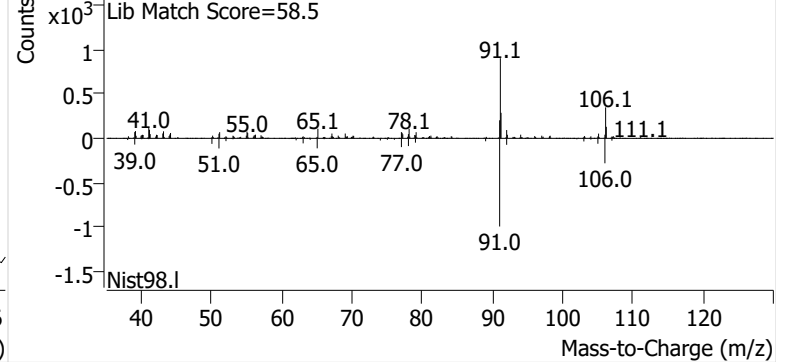


**Ethylbenzene**

+ EIC (91.1) Scan P2507221.D

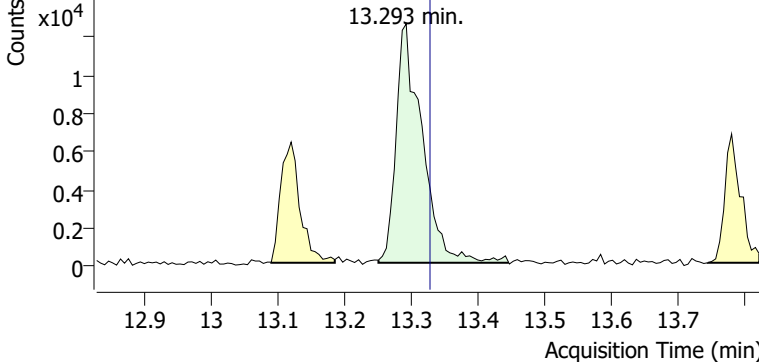


+ Scan (13.091-13.197 min, 17 scans) P2507221.D

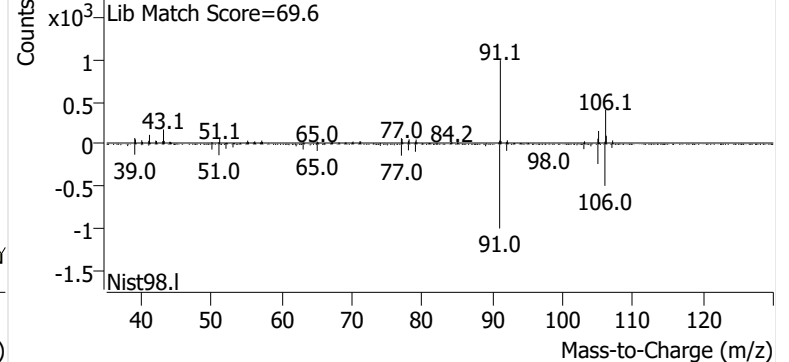


**m-/p-Xylenes**

+ EIC (91.1) Scan P2507221.D

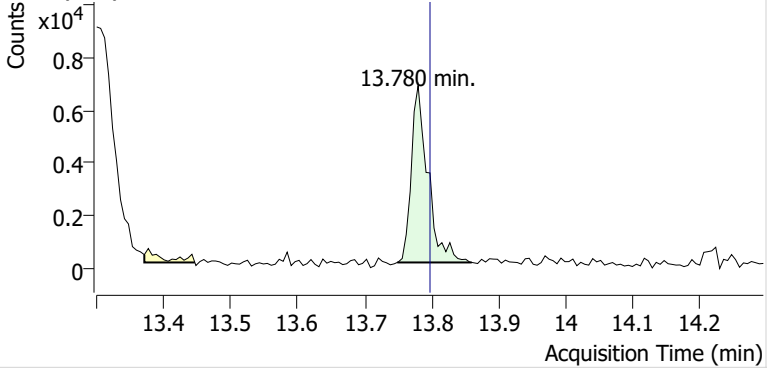


+ Scan (13.252-13.447 min, 33 scans) P2507221.D

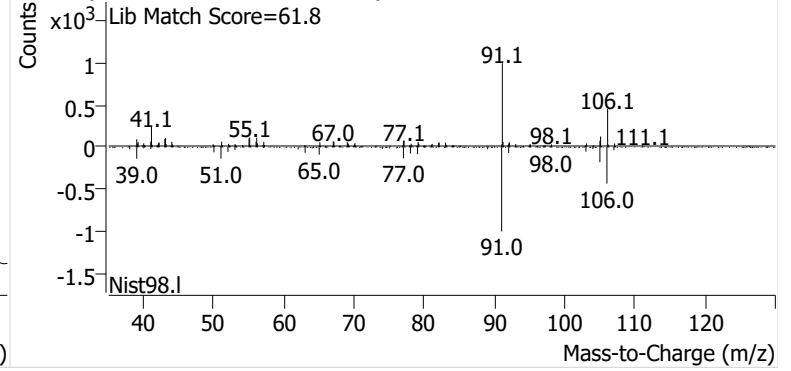


**o-Xylene**

+ EIC (91.1) Scan P2507221.D

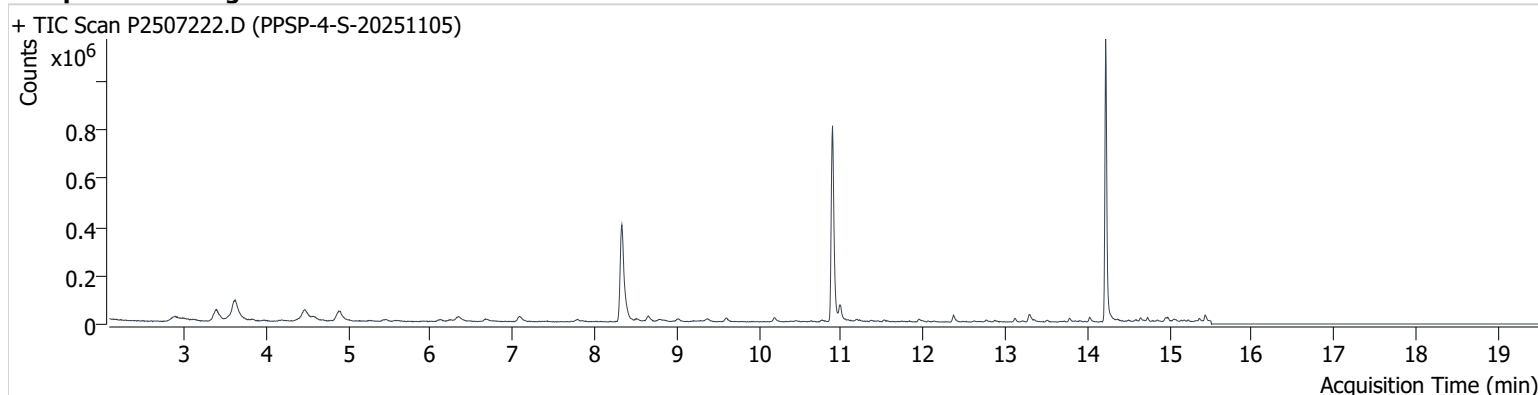


+ Scan (13.749-13.860 min, 19 scans) P2507221.D



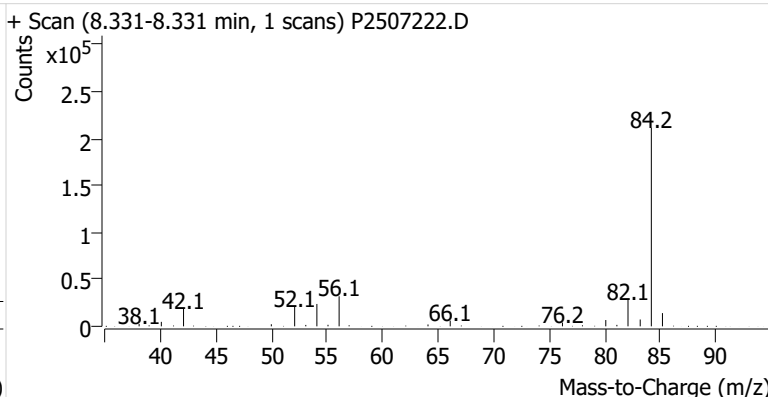
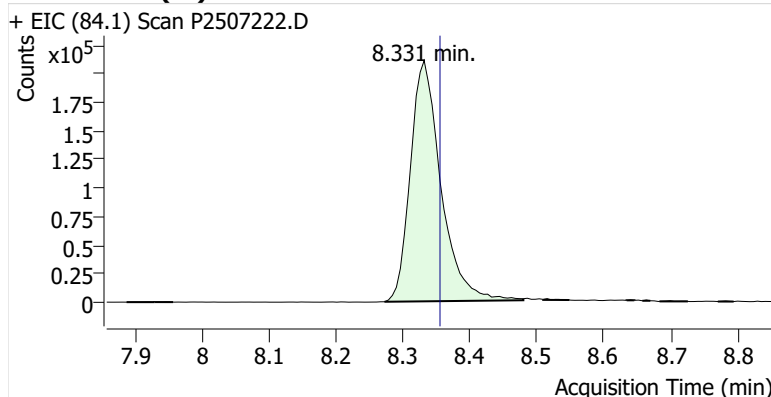
**Name** PPSP-4-S-20251105  
**Comment** C69730  
**Data File** P2507222.D  
**Acq. Date-Time** 11/24/2025 5:54:53 PM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

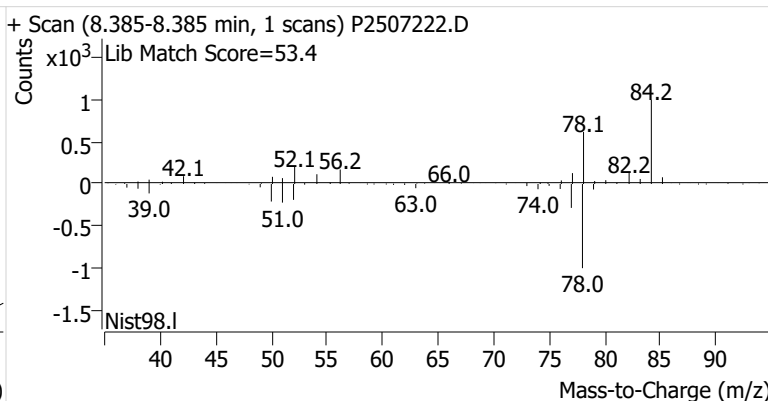
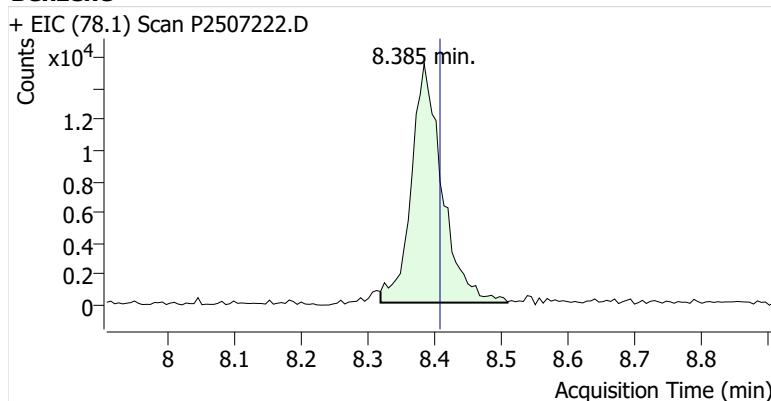


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.331	8.355	668,958	
Benzene	benzene-d6 (IS)	8.385	8.408	49,815	
Toluene-d8 (IS)		10.895	10.913	727,744	
Toluene	Toluene-d8 (IS)	10.984	11.008	50,772	
Ethylbenzene	Toluene-d8 (IS)	13.121	13.139	11,364	
m-/p-Xylenes	Toluene-d8 (IS)	13.293	13.329	28,423	
o-Xylene	Toluene-d8 (IS)	13.780	13.798	10,175	

**benzene-d6 (IS)**

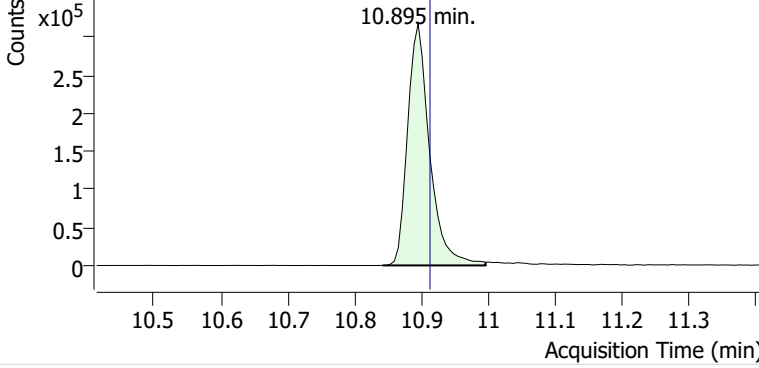


**Benzene**

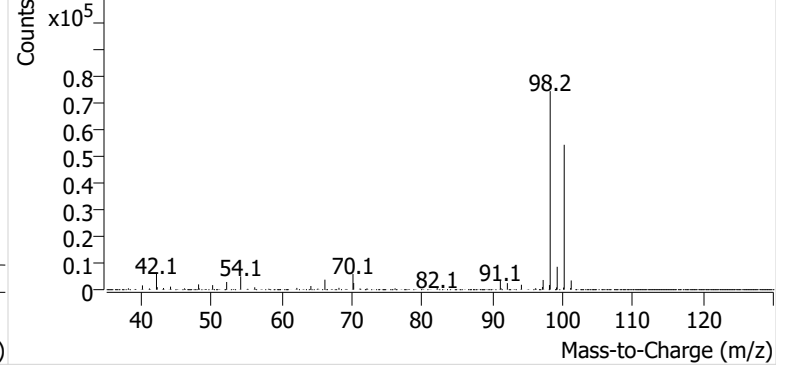


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2507222.D

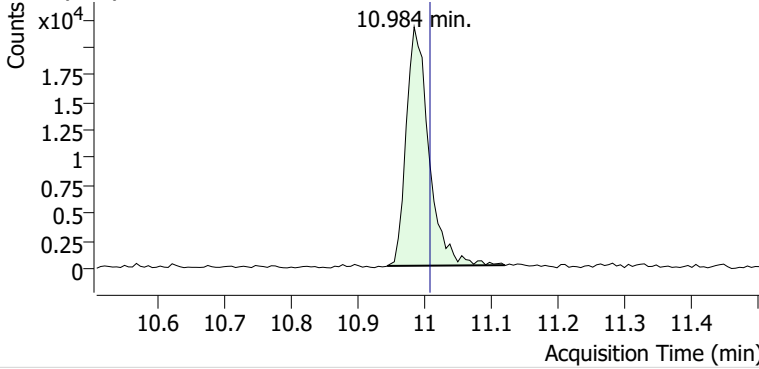


+ Scan (10.842-10.996 min, 27 scans) P2507222.D

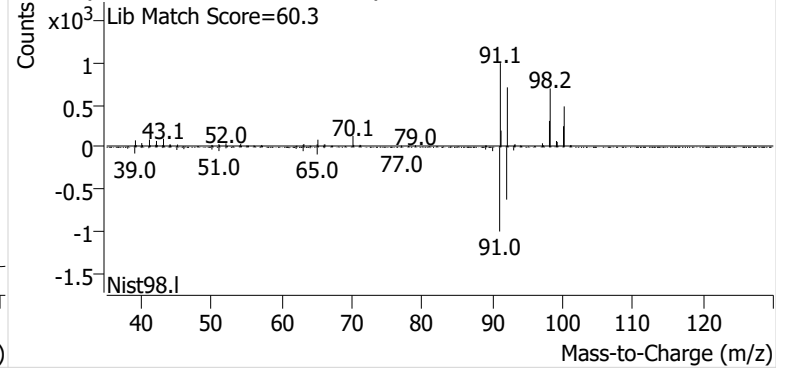


**Toluene**

+ EIC (91.1) Scan P2507222.D

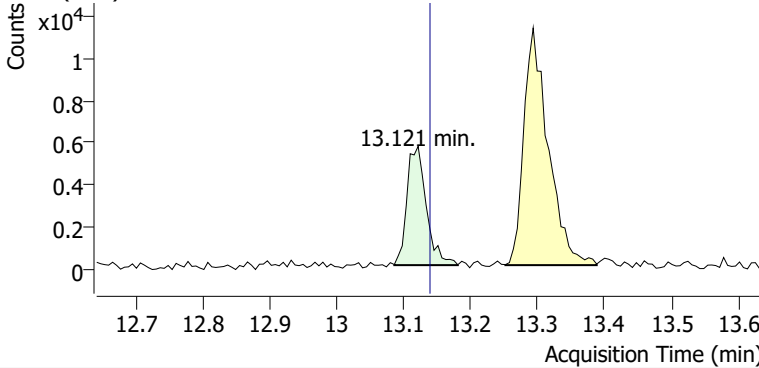


+ Scan (10.944-11.120 min, 29 scans) P2507222.D

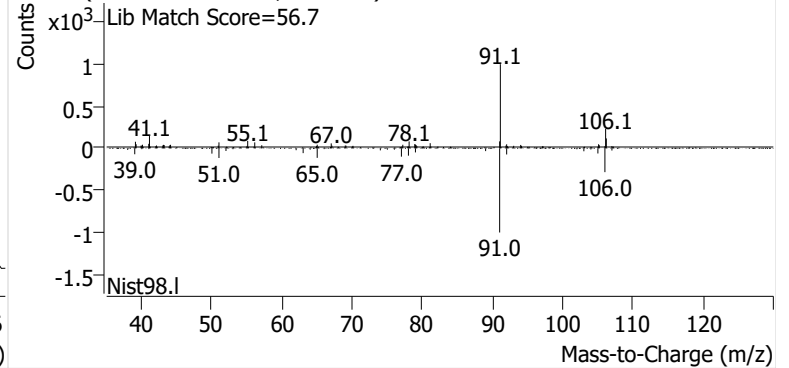


**Ethylbenzene**

+ EIC (91.1) Scan P2507222.D

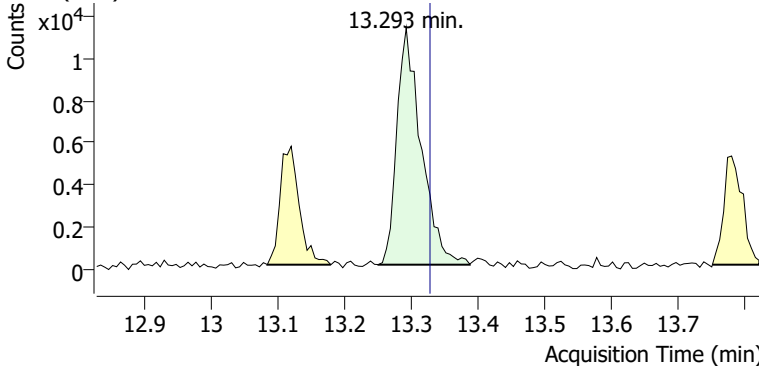


+ Scan (13.085-13.180 min, 17 scans) P2507222.D

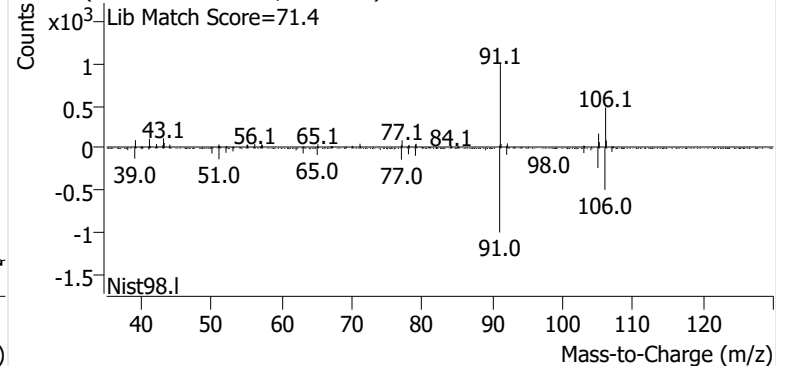


**m-/p-Xylenes**

+ EIC (91.1) Scan P2507222.D

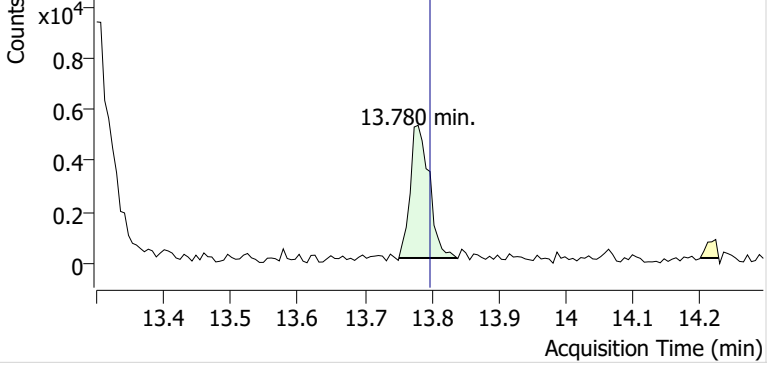


+ Scan (13.252-13.388 min, 24 scans) P2507222.D

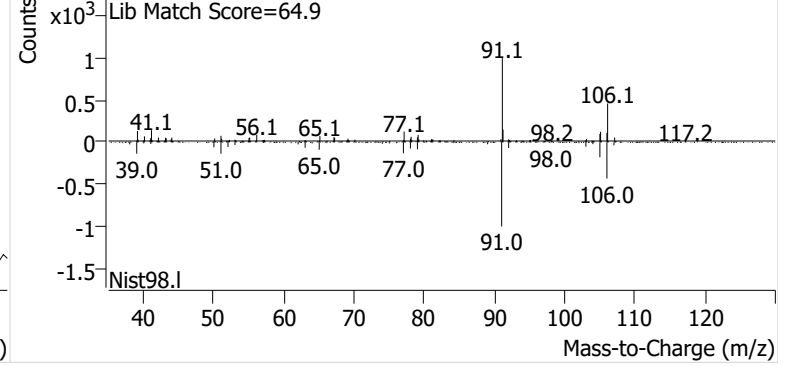


**o-Xylene**

+ EIC (91.1) Scan P2507222.D

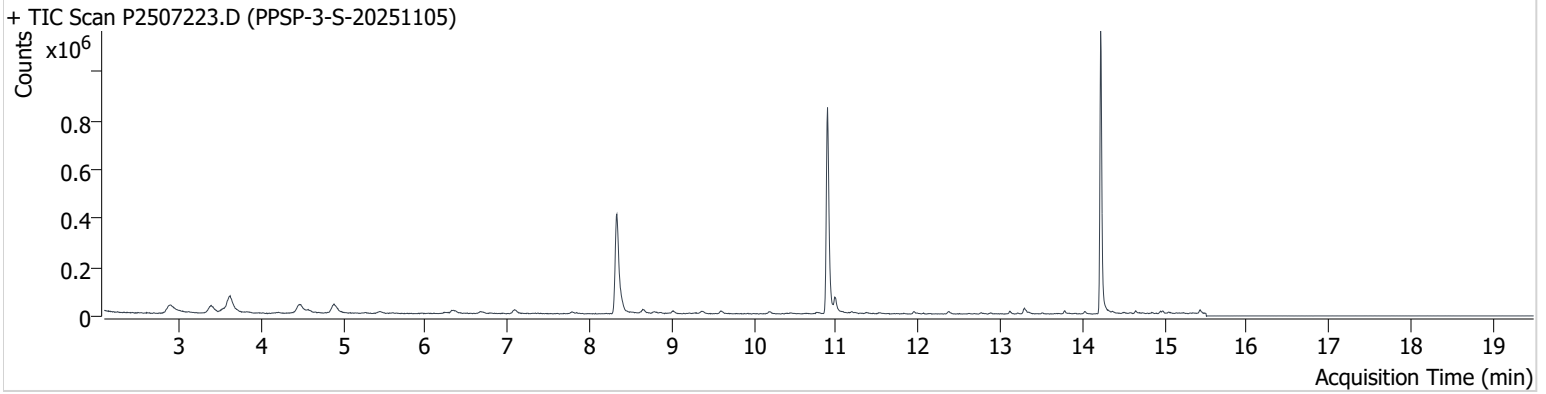


+ Scan (13.751-13.838 min, 14 scans) P2507222.D



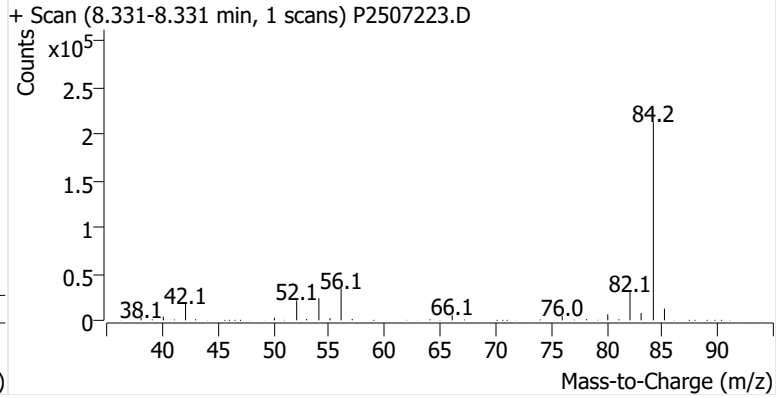
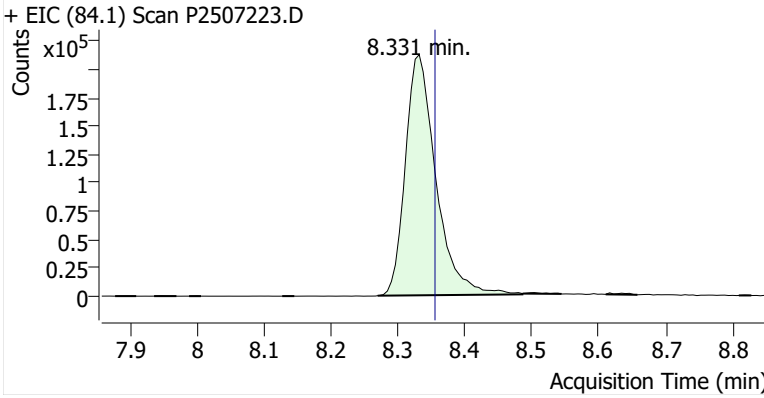
**Name** PPSP-3-S-20251105  
**Comment** C57474  
**Data File** P2507223.D  
**Acq. Date-Time** 11/24/2025 6:32:11 PM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

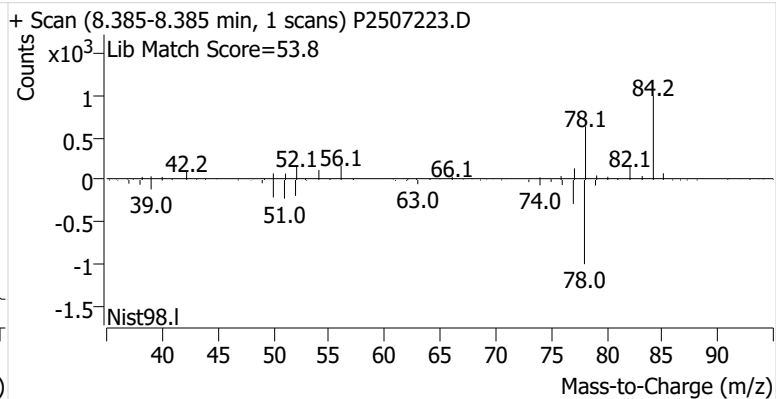
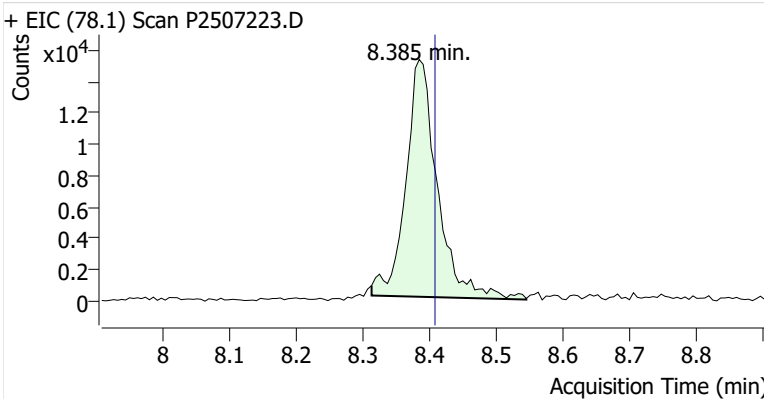


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.331	8.355	674,515	
Benzene	benzene-d6 (IS)	8.385	8.408	49,904	
Toluene-d8 (IS)		10.895	10.913	748,910	
Toluene	Toluene-d8 (IS)	10.984	11.008	46,754	
Ethylbenzene	Toluene-d8 (IS)	13.121	13.139	8,154	
m-/p-Xylenes	Toluene-d8 (IS)	13.293	13.329	21,560	
o-Xylene	Toluene-d8 (IS)	13.780	13.798	7,771	

**benzene-d6 (IS)**

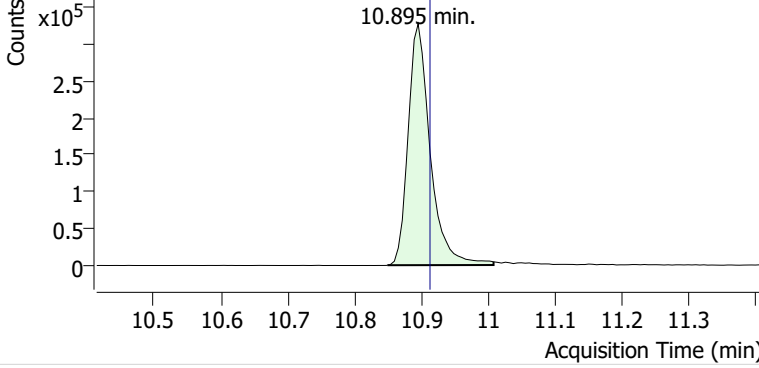


**Benzene**

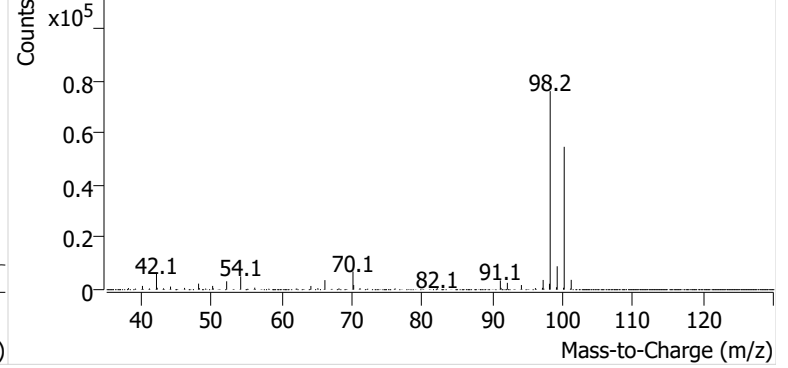


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2507223.D

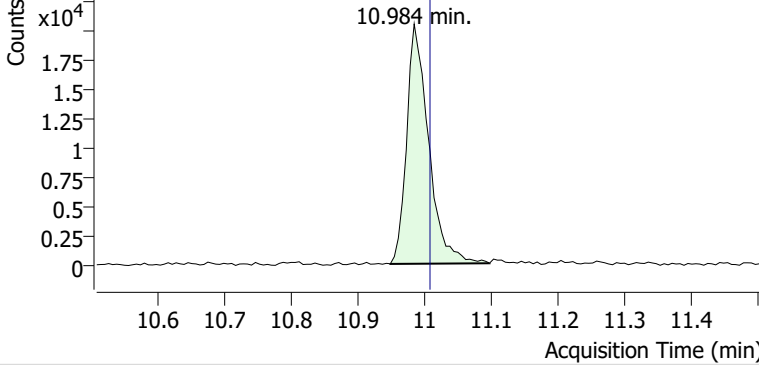


+ Scan (10.849-11.008 min, 27 scans) P2507223.D

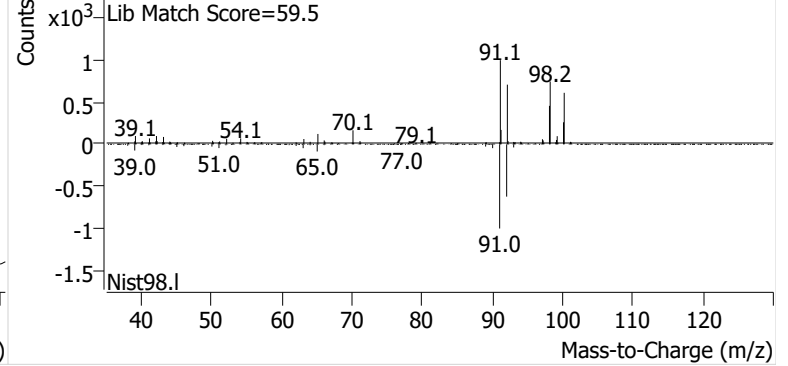


**Toluene**

+ EIC (91.1) Scan P2507223.D

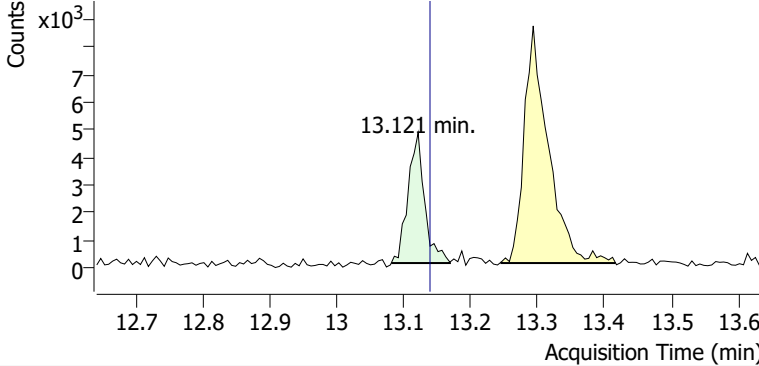


+ Scan (10.949-11.097 min, 26 scans) P2507223.D

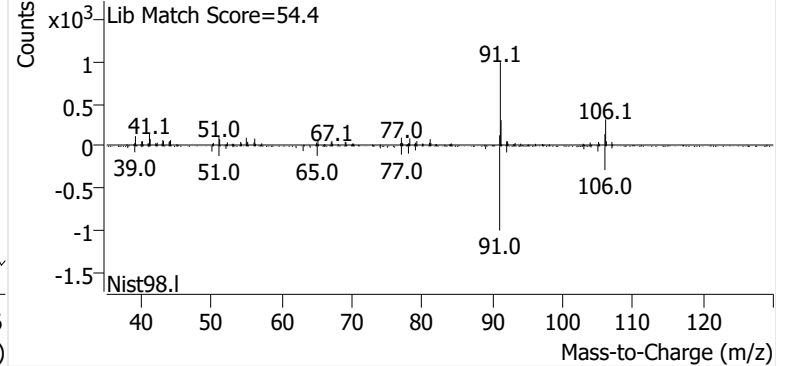


**Ethylbenzene**

+ EIC (91.1) Scan P2507223.D

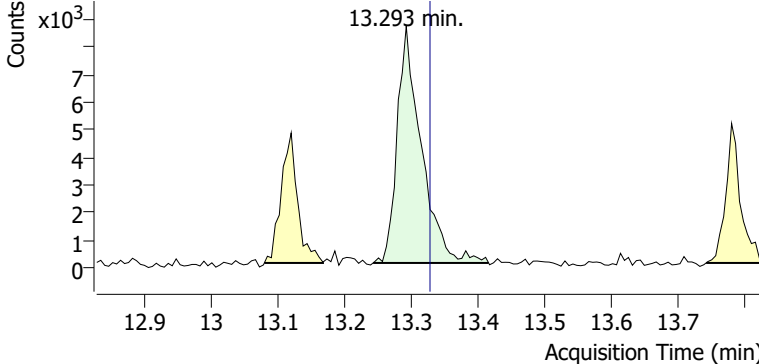


+ Scan (13.081-13.169 min, 15 scans) P2507223.D

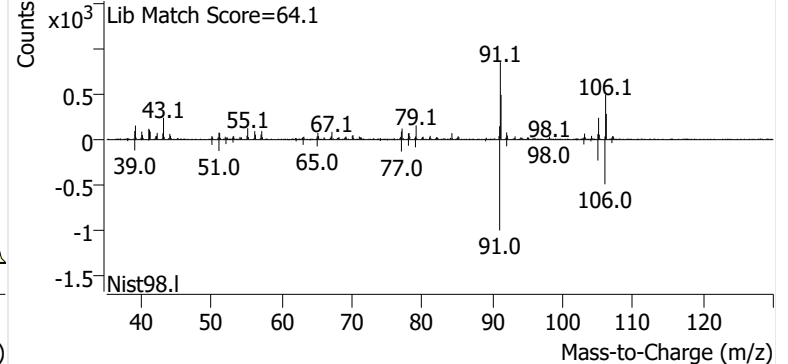


**m-/p-Xylenes**

+ EIC (91.1) Scan P2507223.D

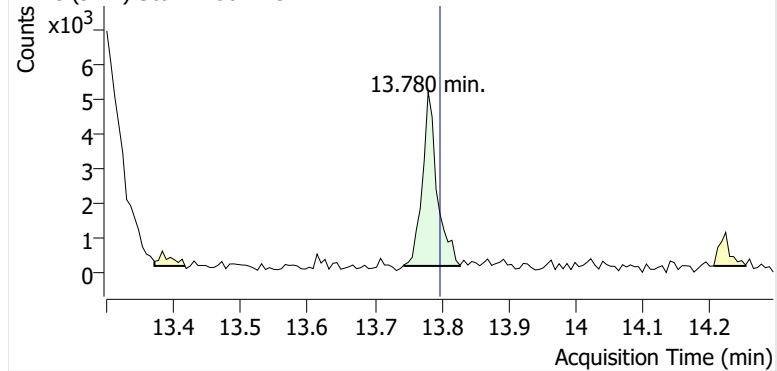


+ Scan (13.244-13.416 min, 29 scans) P2507223.D

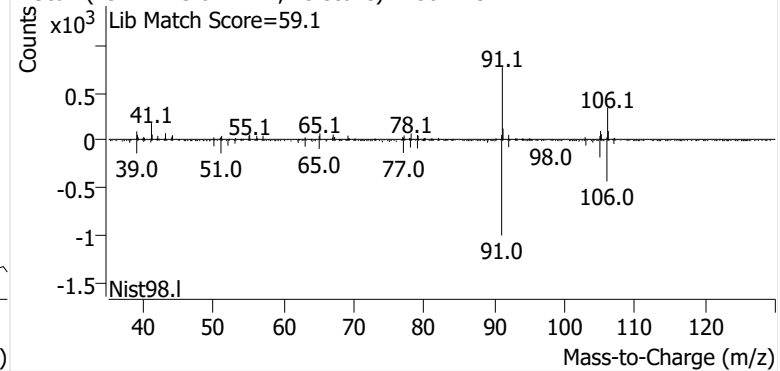


**o-Xylene**

+ EIC (91.1) Scan P2507223.D

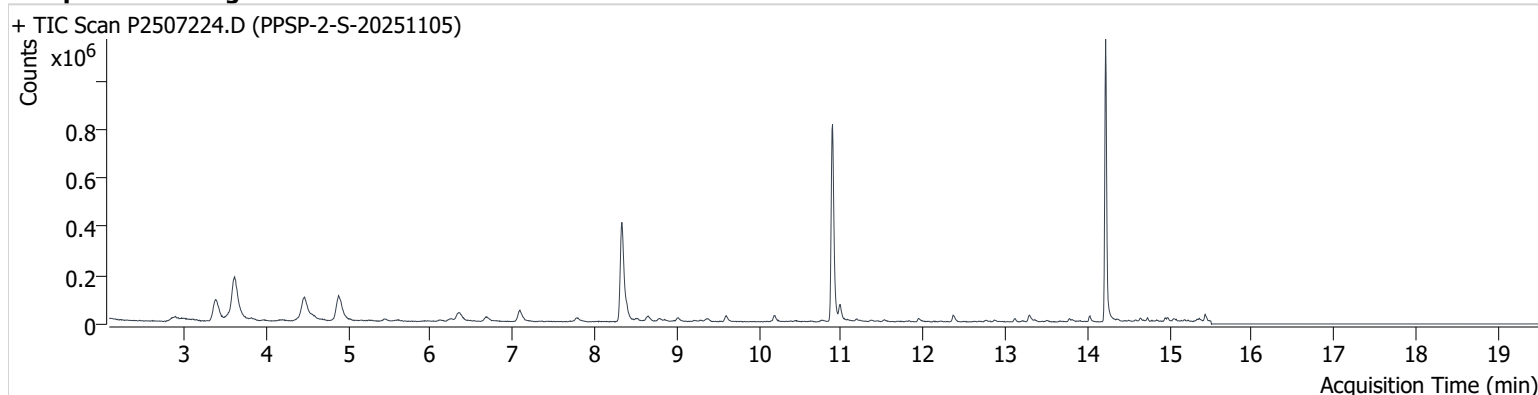


+ Scan (13.744-13.827 min, 15 scans) P2507223.D



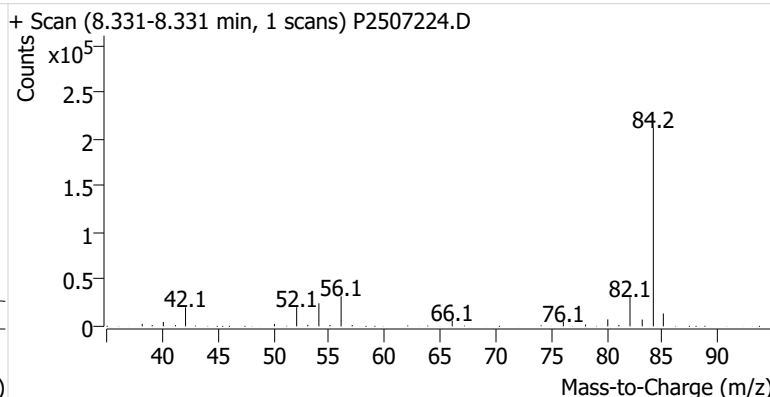
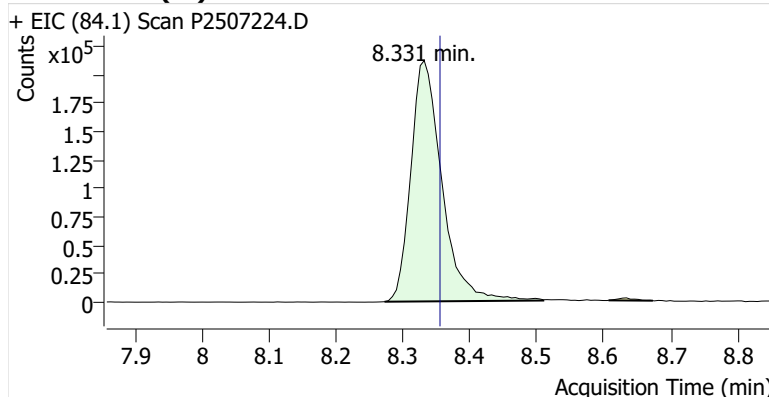
**Name** PPSP-2-S-20251105  
**Comment** C70777  
**Data File** P2507224.D  
**Acq. Date-Time** 11/24/2025 7:09:30 PM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

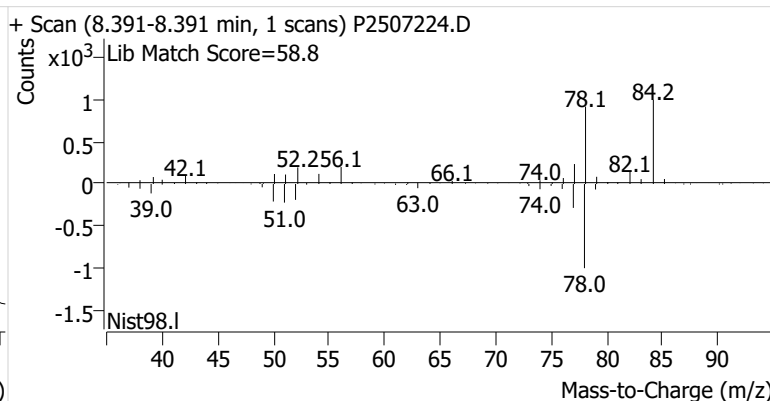
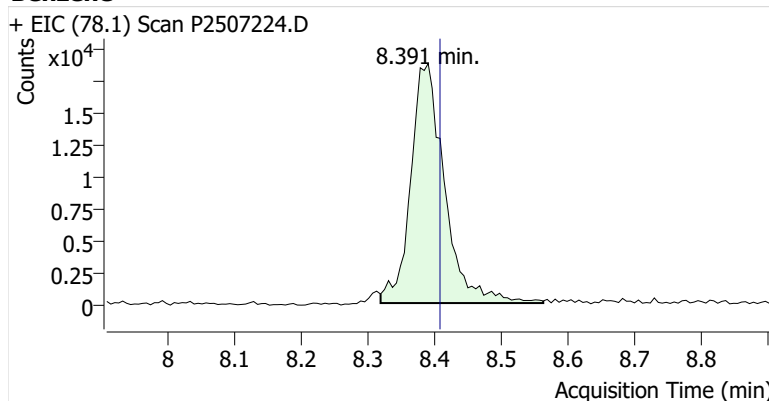


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.331	8.355	682,165	
Benzene	benzene-d6 (IS)	8.391	8.408	65,988	
Toluene-d8 (IS)		10.895	10.913	732,473	
Toluene	Toluene-d8 (IS)	10.990	11.008	53,221	
Ethylbenzene	Toluene-d8 (IS)	13.115	13.139	9,081	
m-/p-Xylenes	Toluene-d8 (IS)	13.287	13.329	25,704	
o-Xylene	Toluene-d8 (IS)	13.780	13.798	8,005	

**benzene-d6 (IS)**

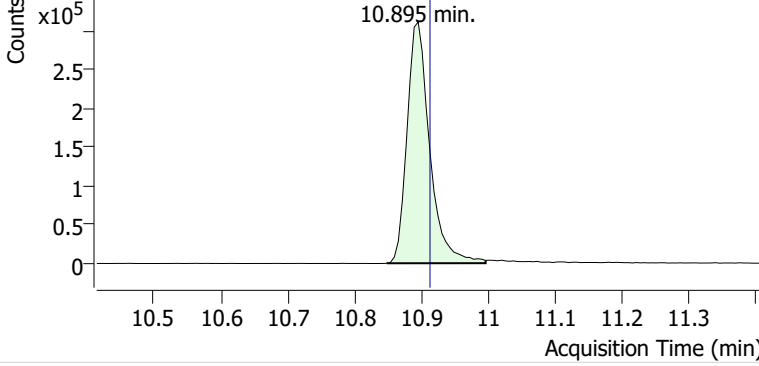


**Benzene**

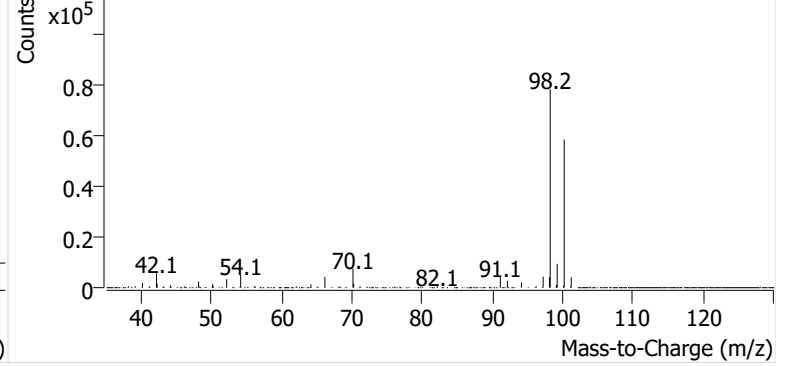


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2507224.D

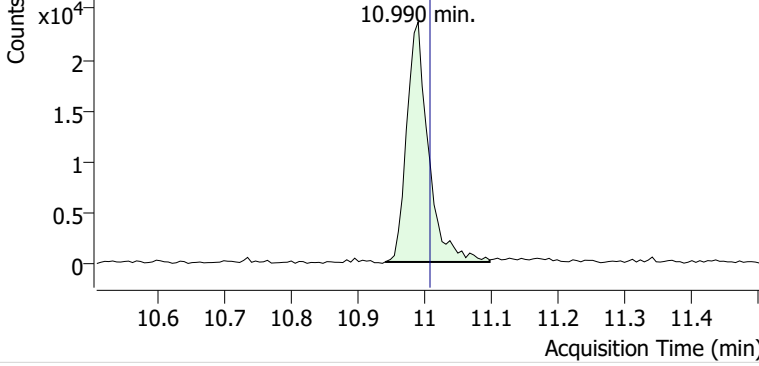


+ Scan (10.848-10.996 min, 25 scans) P2507224.D

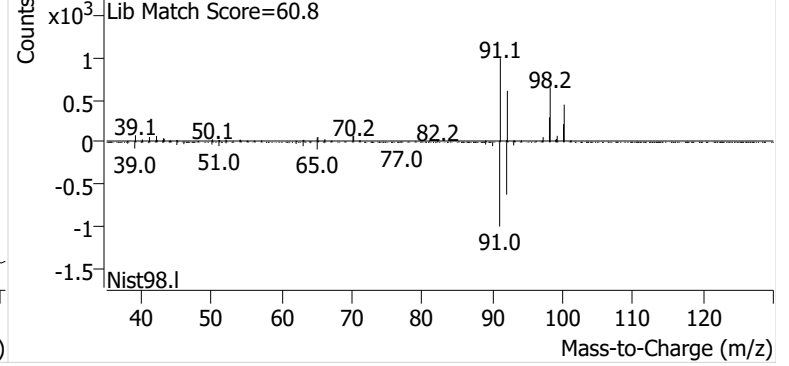


**Toluene**

+ EIC (91.1) Scan P2507224.D

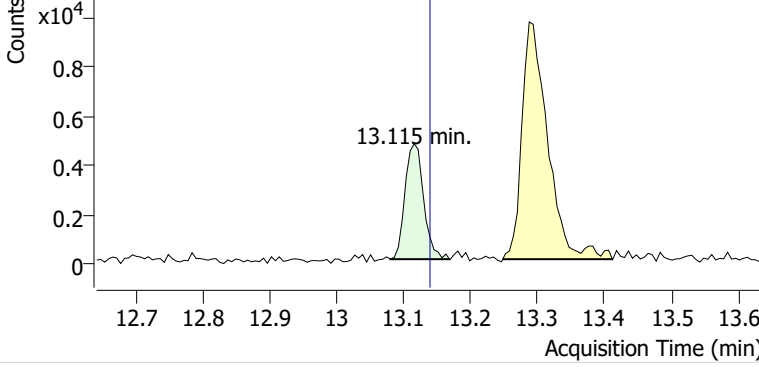


+ Scan (10.941-11.097 min, 27 scans) P2507224.D

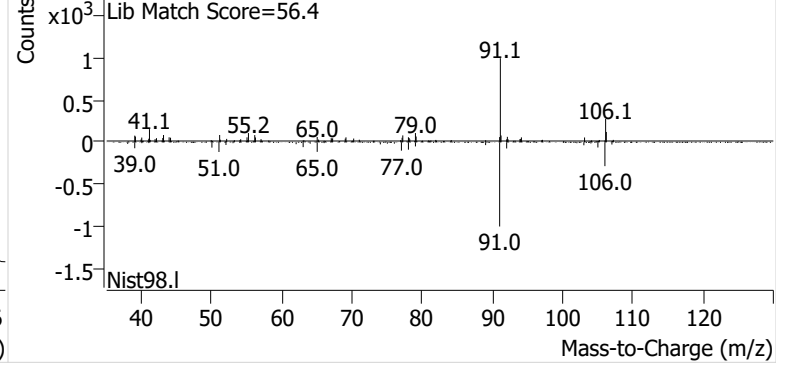


**Ethylbenzene**

+ EIC (91.1) Scan P2507224.D

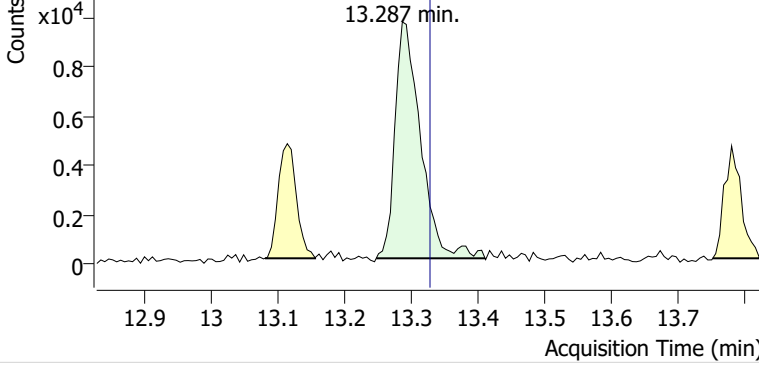


+ Scan (13.080-13.168 min, 15 scans) P2507224.D

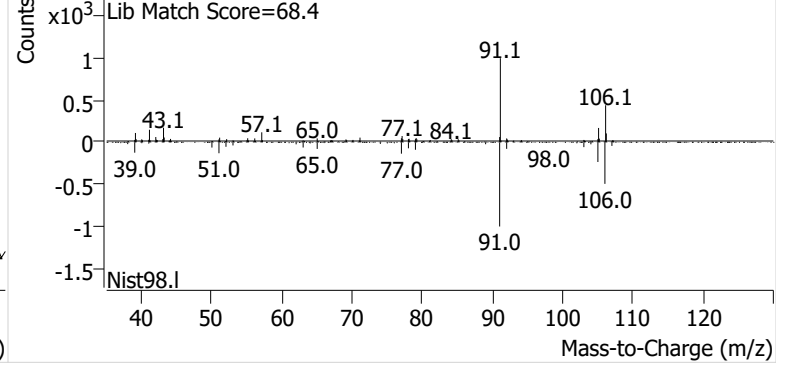


**m-/p-Xylenes**

+ EIC (91.1) Scan P2507224.D

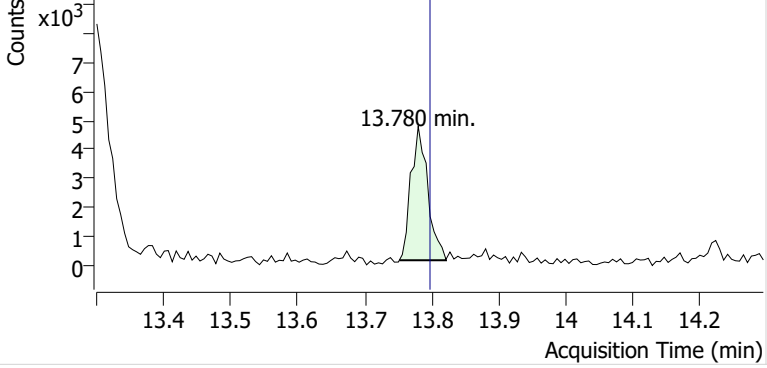


+ Scan (13.248-13.411 min, 27 scans) P2507224.D

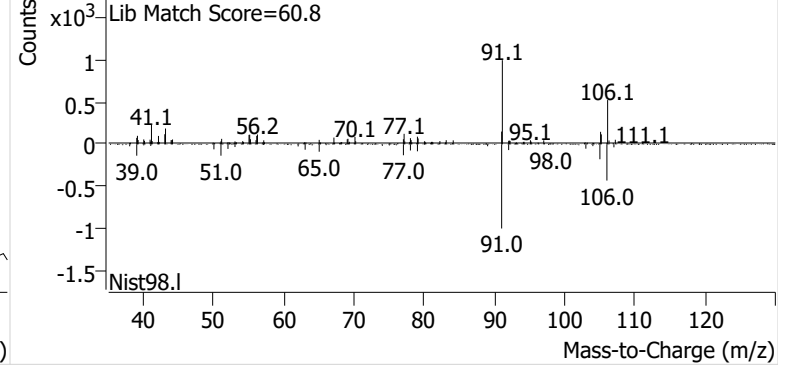


**o-Xylene**

+ EIC (91.1) Scan P2507224.D

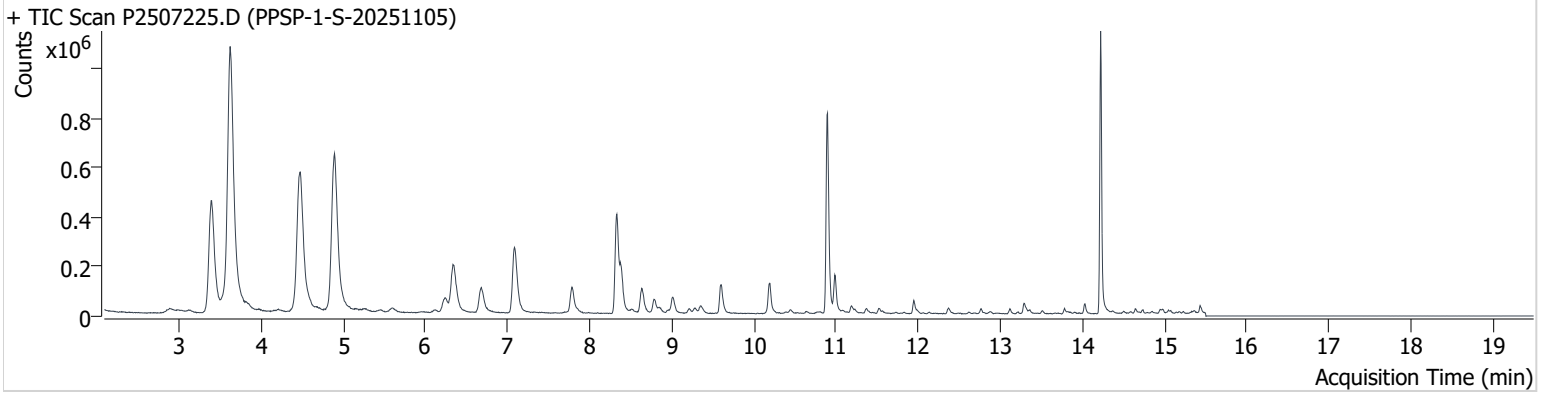


+ Scan (13.752-13.821 min, 12 scans) P2507224.D



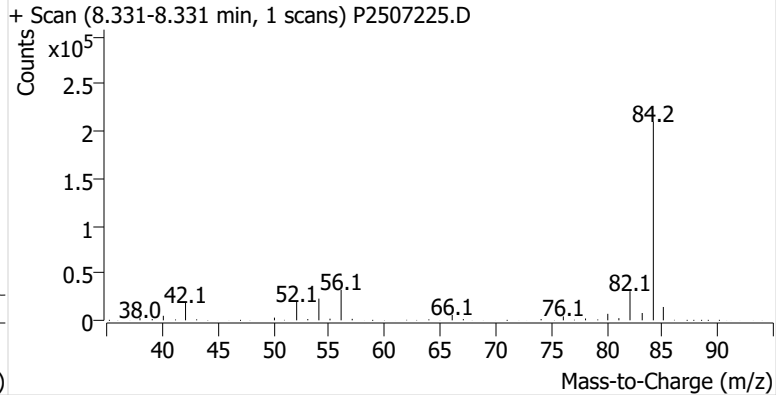
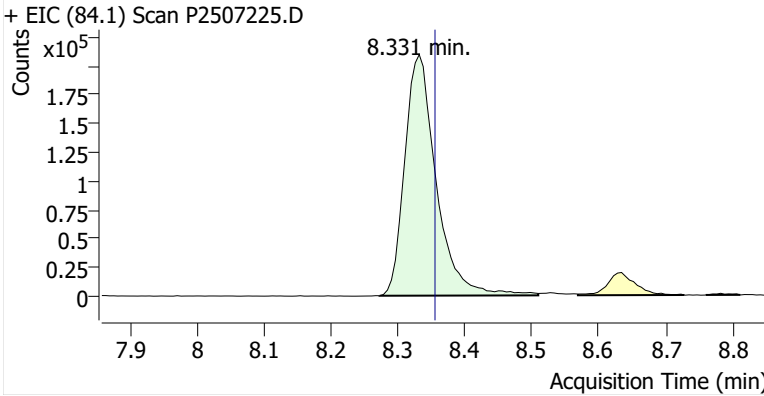
**Name** PPSP-1-S-20251105  
**Comment** C69719  
**Data File** P2507225.D  
**Acq. Date-Time** 11/24/2025 7:46:48 PM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

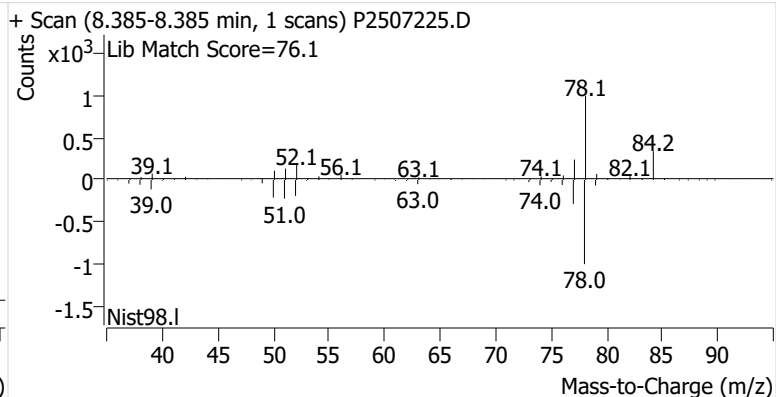
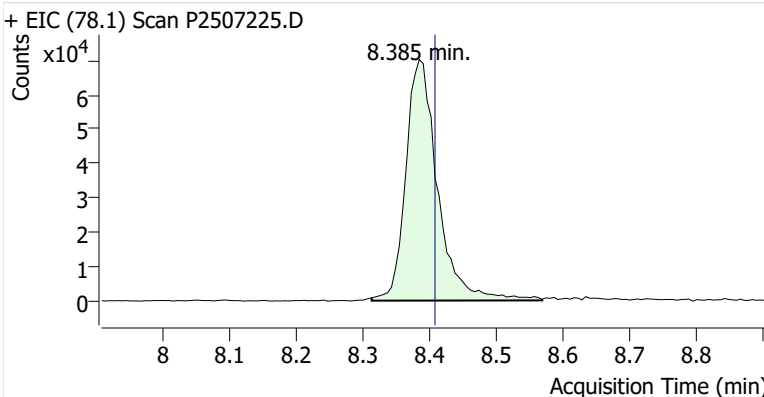


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.331	8.355	684,593	
Benzene	benzene-d6 (IS)	8.385	8.408	231,418	
Toluene-d8 (IS)		10.895	10.913	742,039	
Toluene	Toluene-d8 (IS)	10.984	11.008	139,076	
Ethylbenzene	Toluene-d8 (IS)	13.115	13.139	13,710	
m-/p-Xylenes	Toluene-d8 (IS)	13.293	13.329	38,963	
o-Xylene	Toluene-d8 (IS)	13.780	13.798	12,112	

**benzene-d6 (IS)**

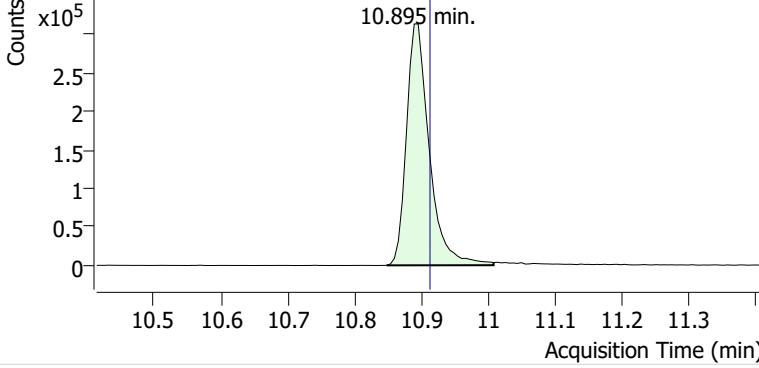


**Benzene**

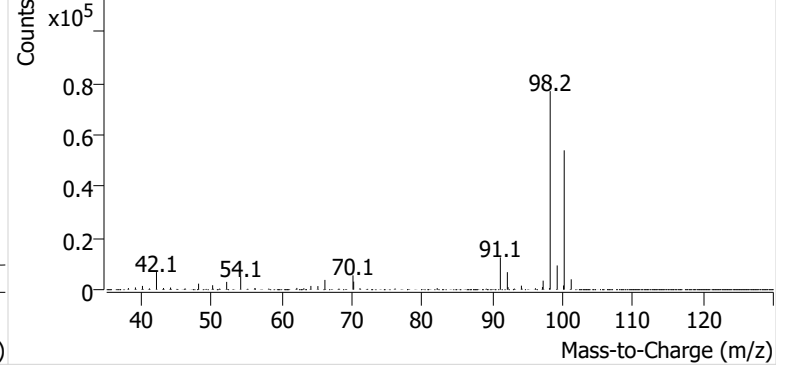


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2507225.D

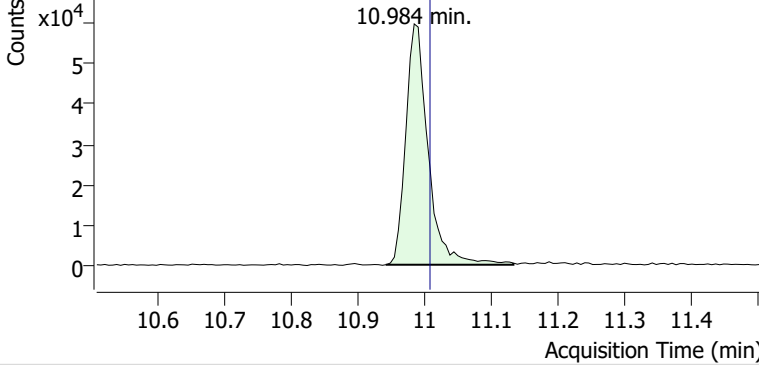


+ Scan (10.848-11.008 min, 27 scans) P2507225.D

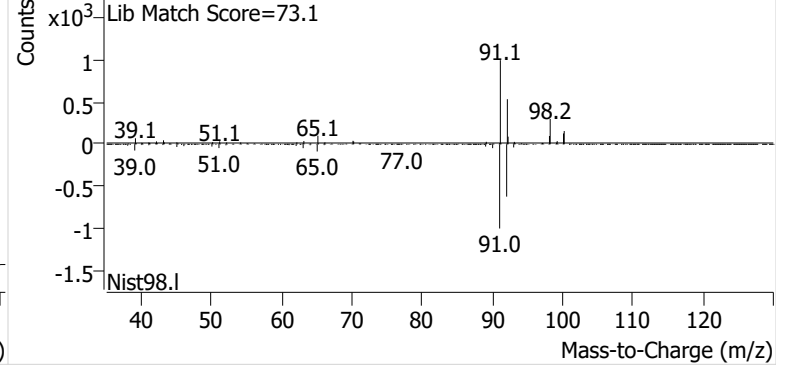


**Toluene**

+ EIC (91.1) Scan P2507225.D

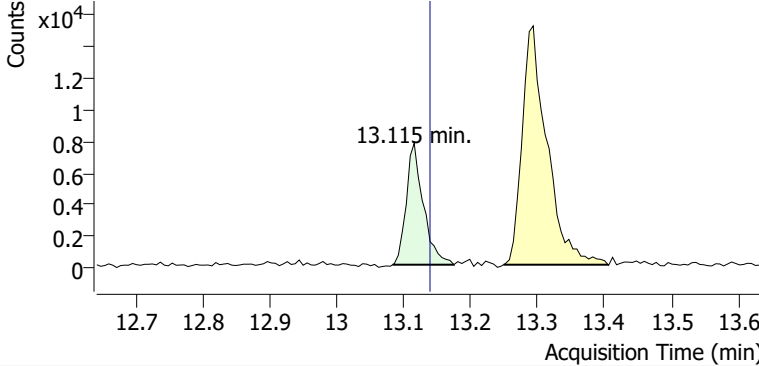


+ Scan (10.942-11.133 min, 33 scans) P2507225.D

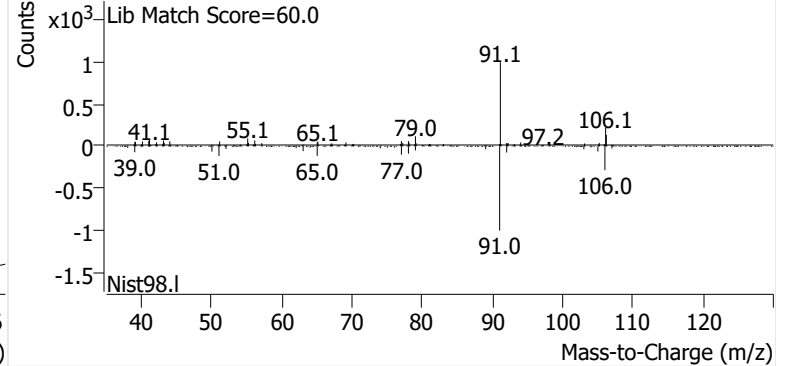


**Ethylbenzene**

+ EIC (91.1) Scan P2507225.D

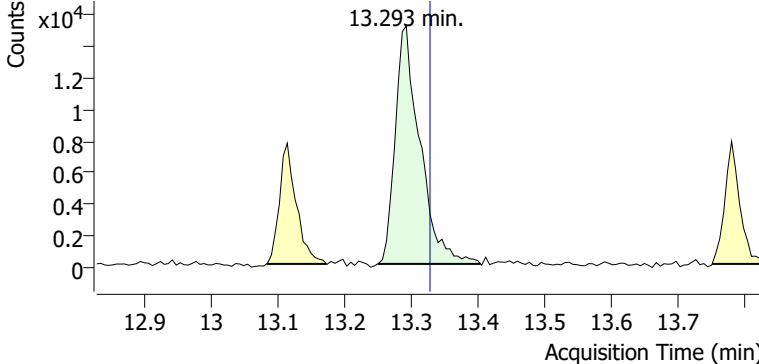


+ Scan (13.083-13.175 min, 16 scans) P2507225.D

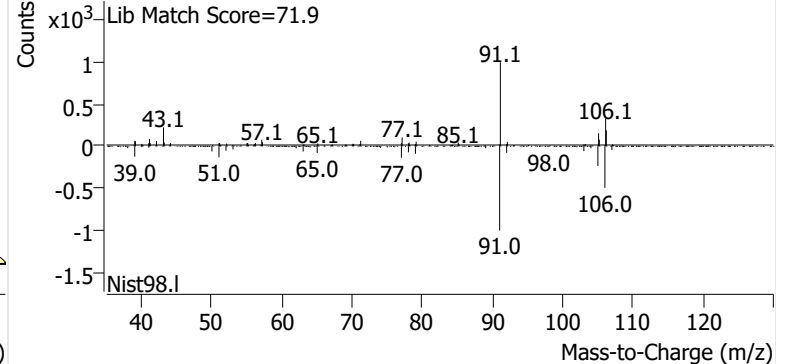


**m-/p-Xylenes**

+ EIC (91.1) Scan P2507225.D

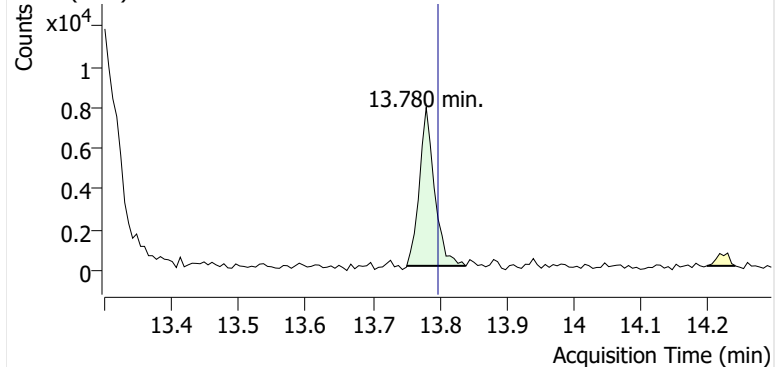


+ Scan (13.250-13.404 min, 26 scans) P2507225.D

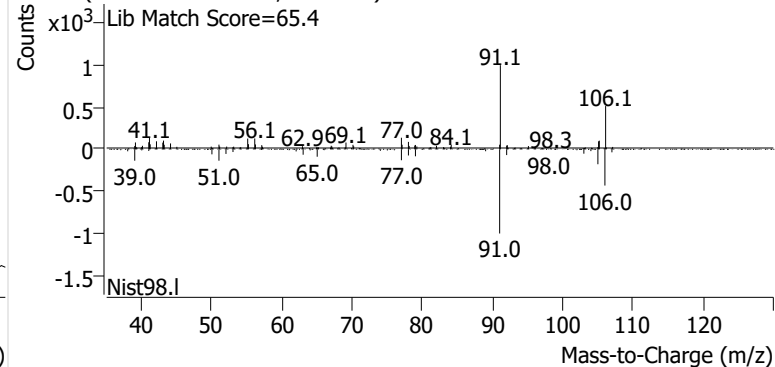


**o-Xylene**

+ EIC (91.1) Scan P2507225.D

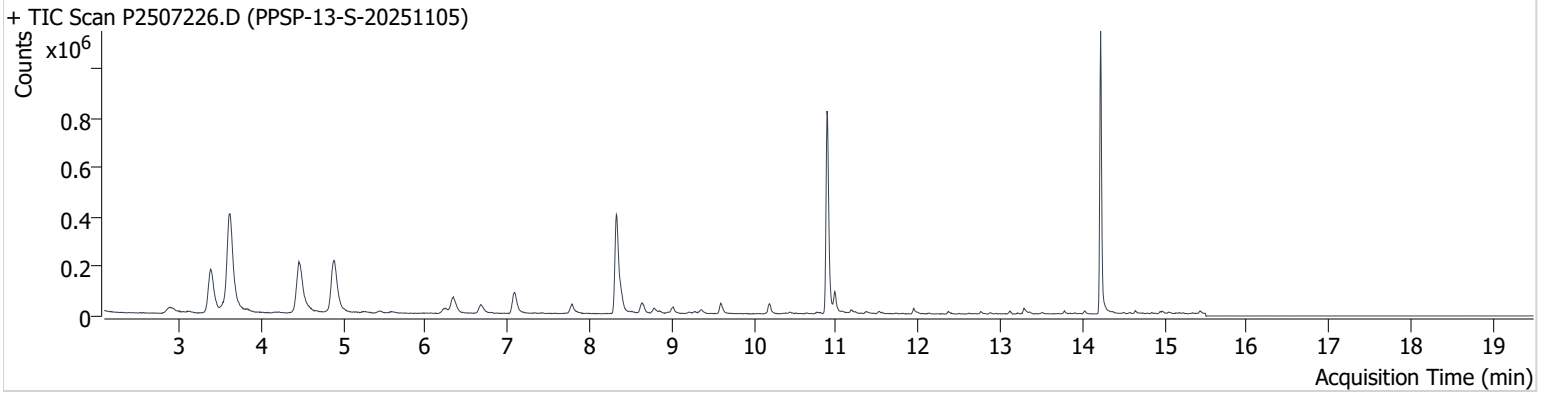


+ Scan (13.751-13.839 min, 14 scans) P2507225.D



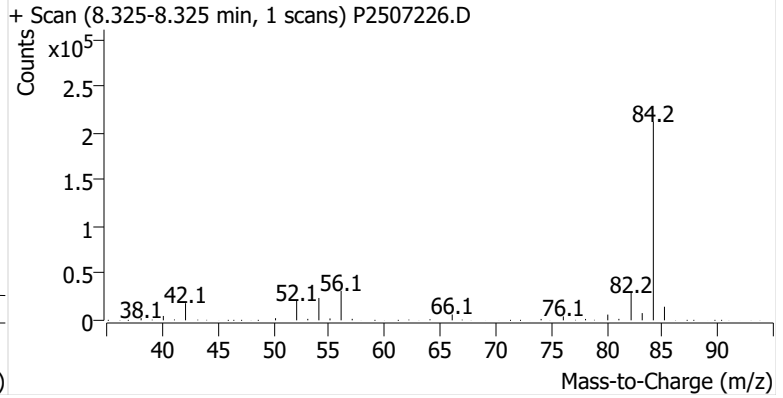
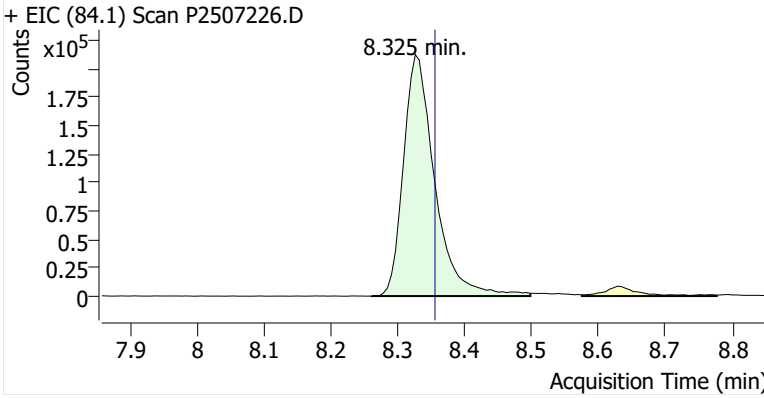
**Name** PPSP-13-S-20251105  
**Comment** C17241  
**Data File** P2507226.D  
**Acq. Date-Time** 11/24/2025 8:24:09 PM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

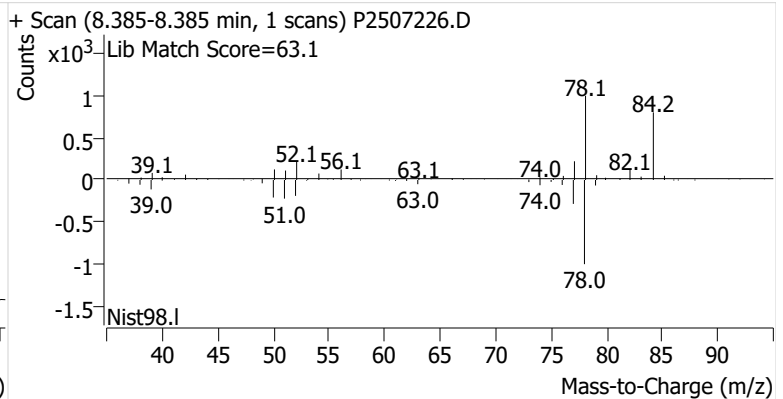
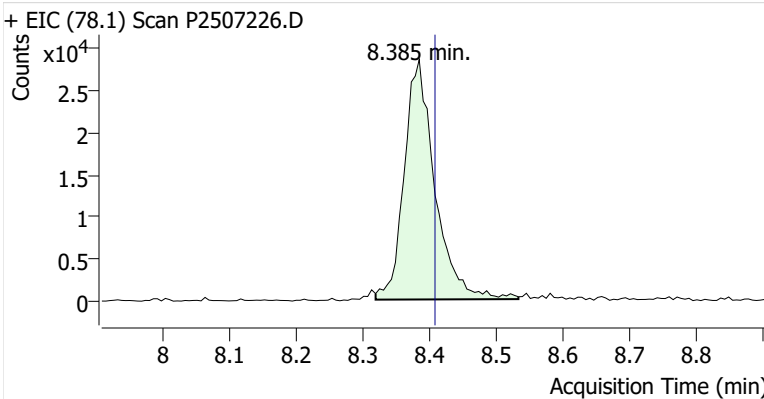


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.325	8.355	689,969	
Benzene	benzene-d6 (IS)	8.385	8.408	90,865	
Toluene-d8 (IS)		10.889	10.913	740,079	
Toluene	Toluene-d8 (IS)	10.984	11.008	67,762	
Ethylbenzene	Toluene-d8 (IS)	13.115	13.139	8,653	
m-/p-Xylenes	Toluene-d8 (IS)	13.287	13.329	19,035	
o-Xylene	Toluene-d8 (IS)	13.780	13.798	6,947	

**benzene-d6 (IS)**

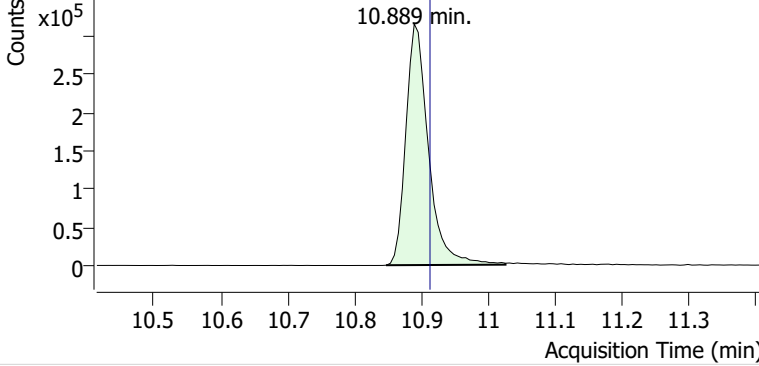


**Benzene**

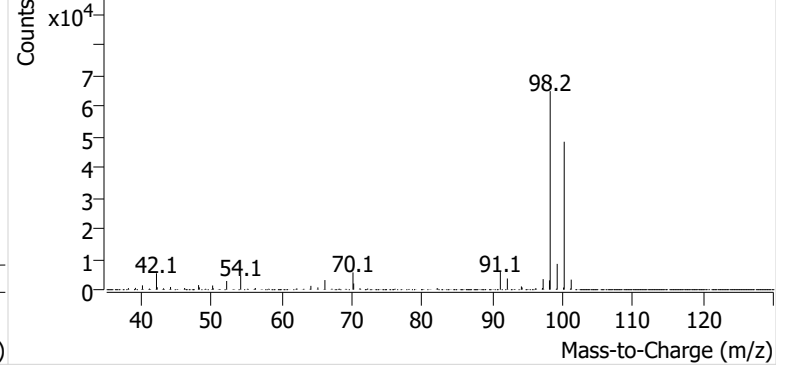


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2507226.D

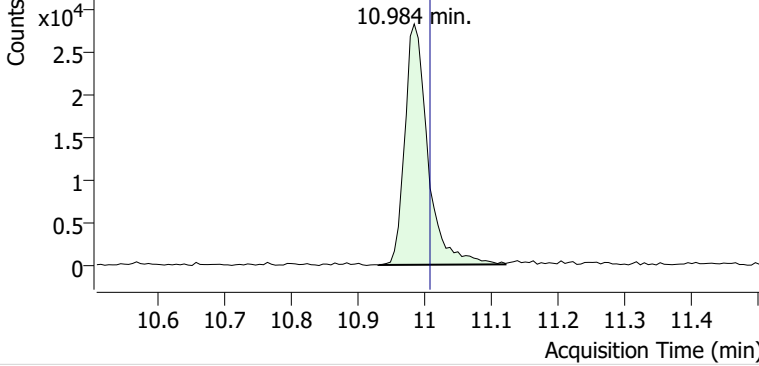


+ Scan (10.847-11.026 min, 31 scans) P2507226.D

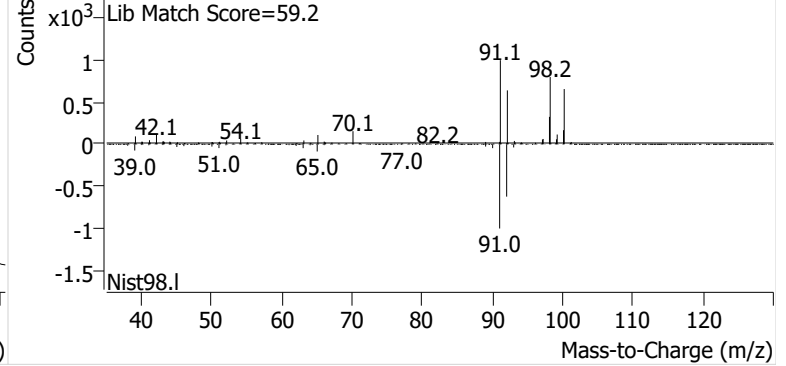


**Toluene**

+ EIC (91.1) Scan P2507226.D

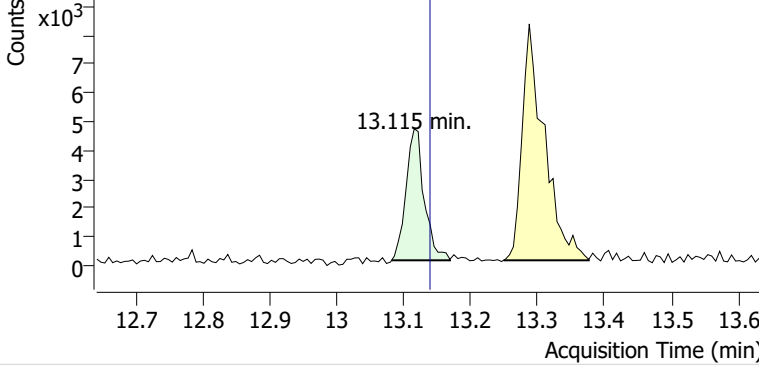


+ Scan (10.931-11.121 min, 33 scans) P2507226.D

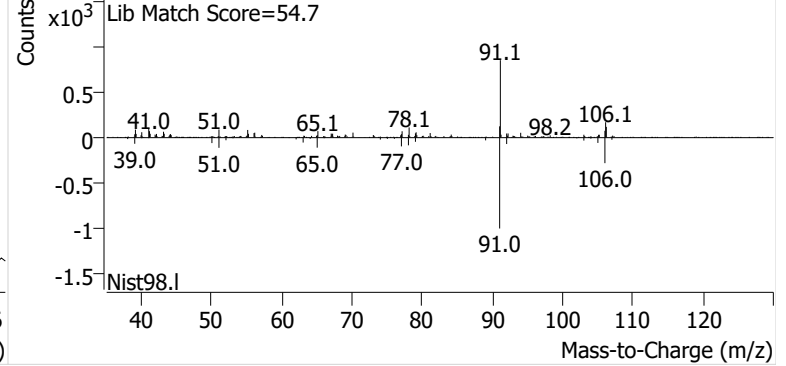


**Ethylbenzene**

+ EIC (91.1) Scan P2507226.D

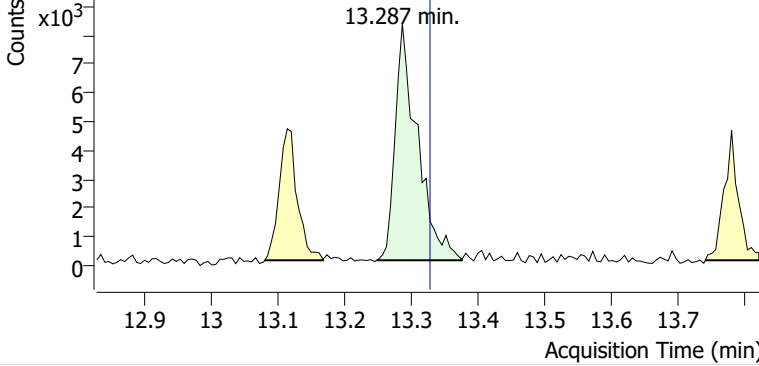


+ Scan (13.081-13.169 min, 15 scans) P2507226.D

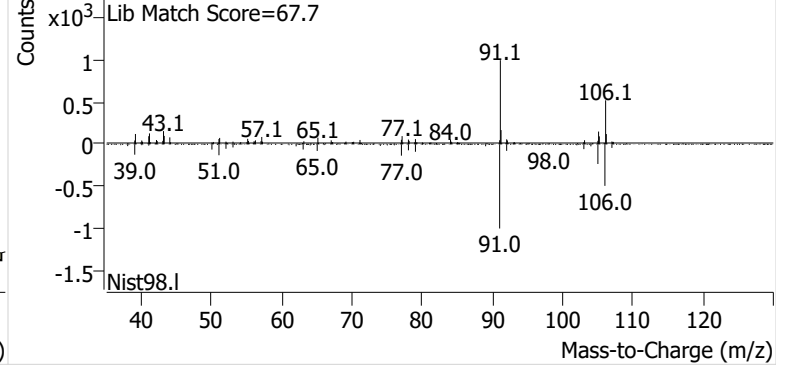


**m-/p-Xylenes**

+ EIC (91.1) Scan P2507226.D

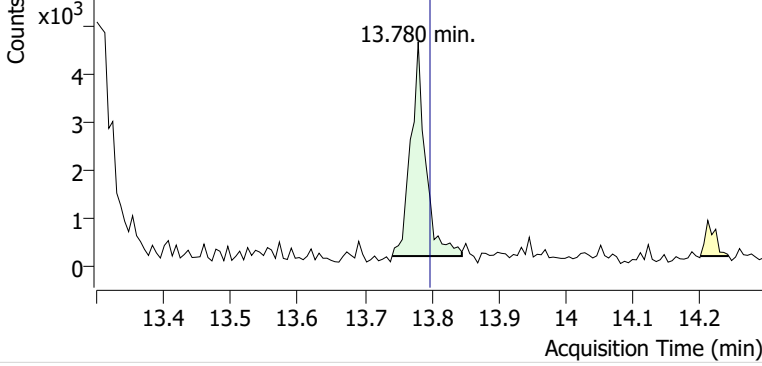


+ Scan (13.249-13.376 min, 22 scans) P2507226.D

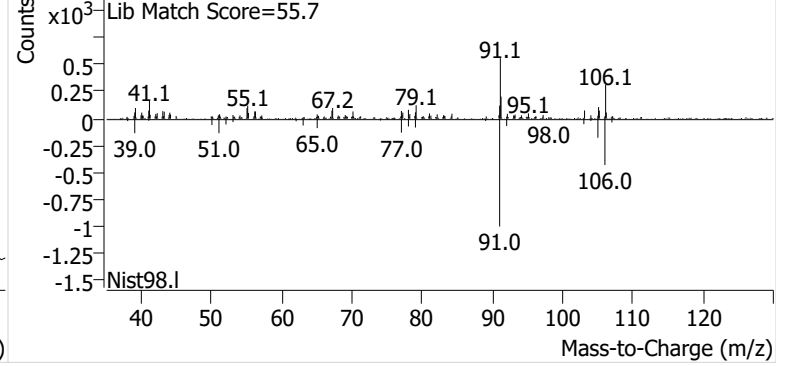


**o-Xylene**

+ EIC (91.1) Scan P2507226.D

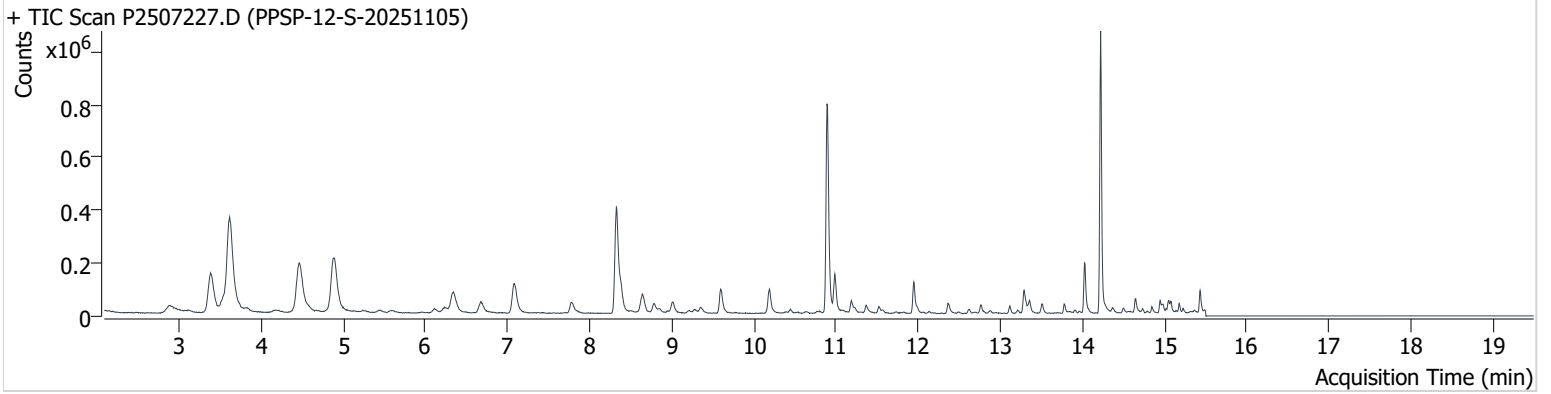


+ Scan (13.741-13.845 min, 18 scans) P2507226.D



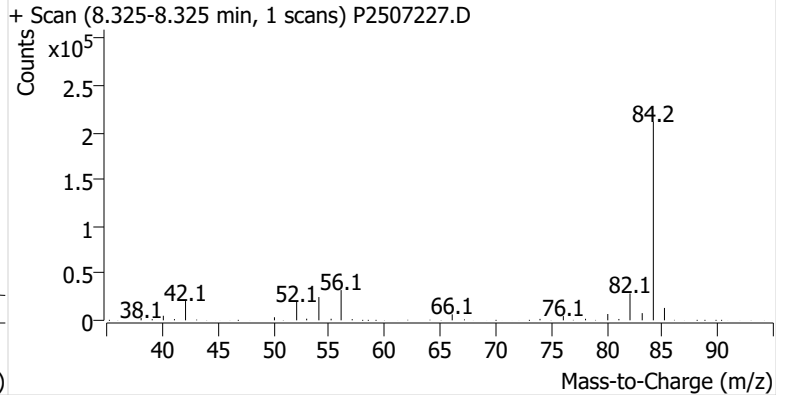
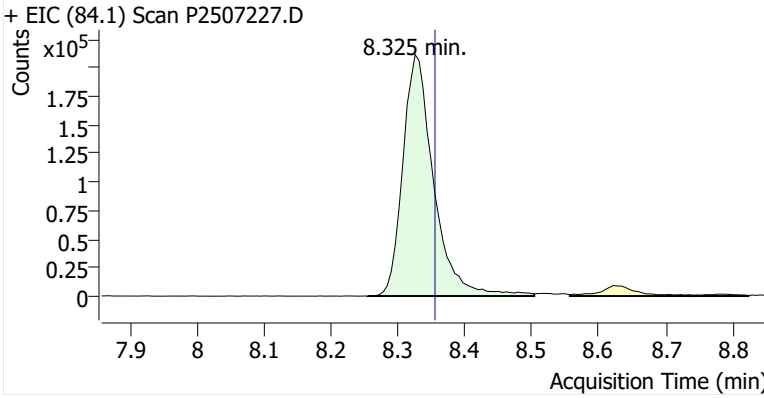
**Name** PPSP-12-S-20251105  
**Comment** C69563  
**Data File** P2507227.D  
**Acq. Date-Time** 11/24/2025 9:01:27 PM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

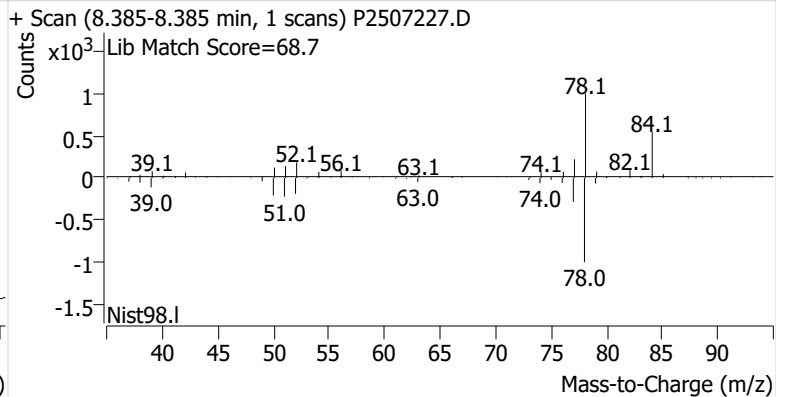
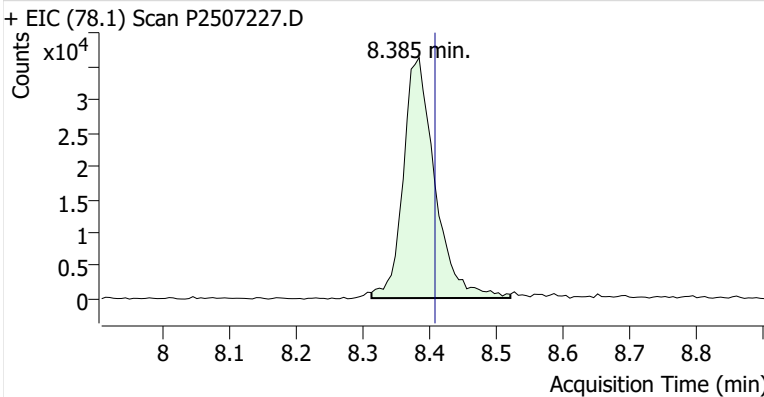


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.325	8.355	675,803	
Benzene	benzene-d6 (IS)	8.385	8.408	119,218	
Toluene-d8 (IS)		10.889	10.913	733,587	
Toluene	Toluene-d8 (IS)	10.984	11.008	130,556	
Ethylbenzene	Toluene-d8 (IS)	13.115	13.139	21,349	
m-/p-Xylenes	Toluene-d8 (IS)	13.287	13.329	78,299	
o-Xylene	Toluene-d8 (IS)	13.774	13.798	24,001	

**benzene-d6 (IS)**

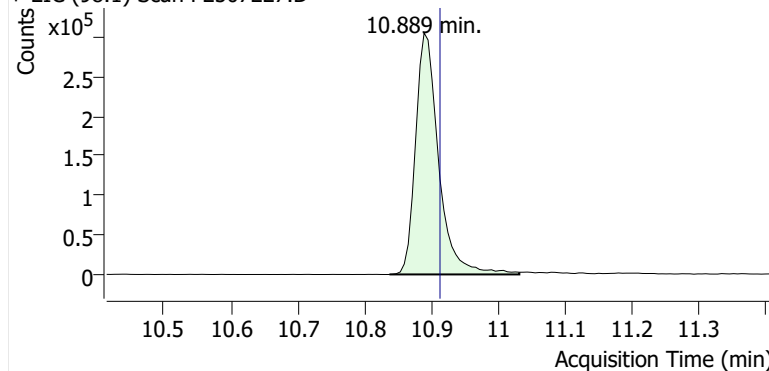


**Benzene**

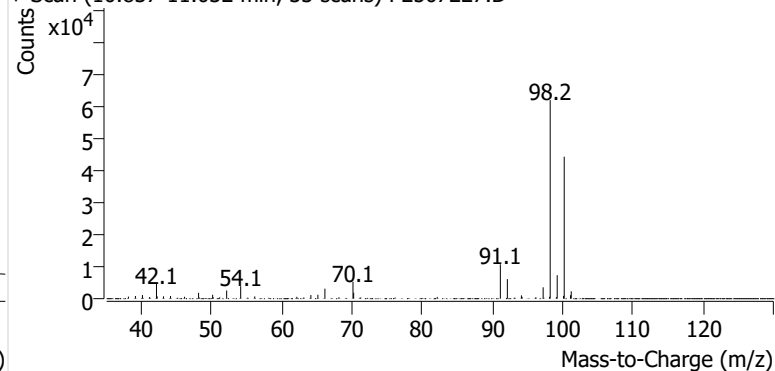


**Toluene-d8 (IS)**

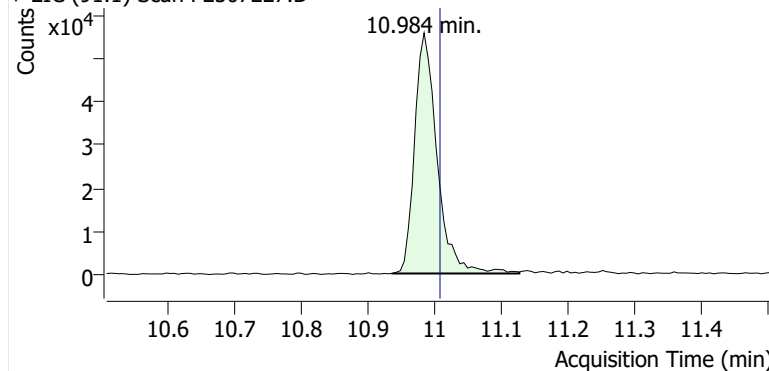
+ EIC (98.1) Scan P2507227.D



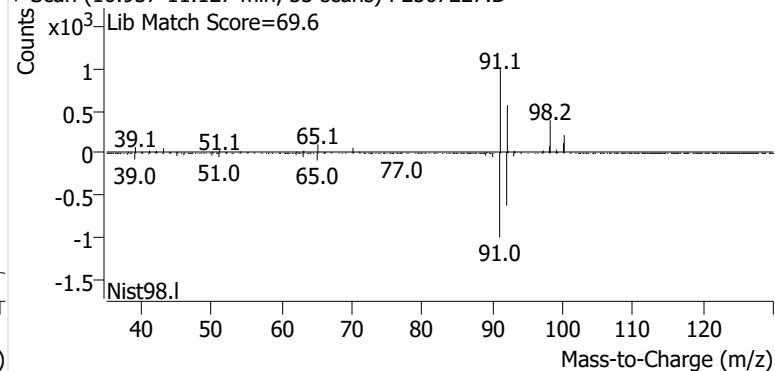
+ Scan (10.837-11.032 min, 33 scans) P2507227.D

**Toluene**

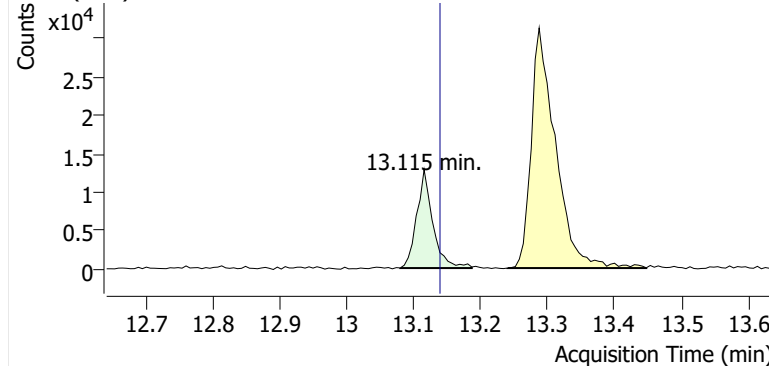
+ EIC (91.1) Scan P2507227.D



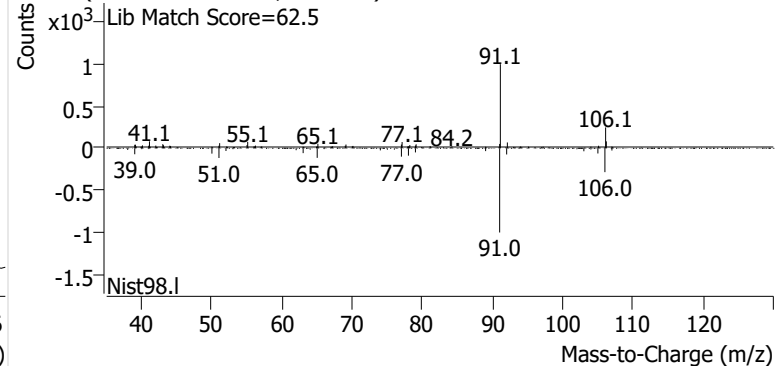
+ Scan (10.937-11.127 min, 33 scans) P2507227.D

**Ethylbenzene**

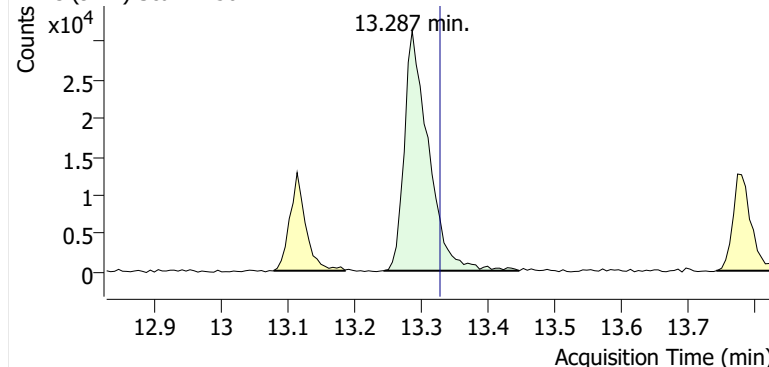
+ EIC (91.1) Scan P2507227.D



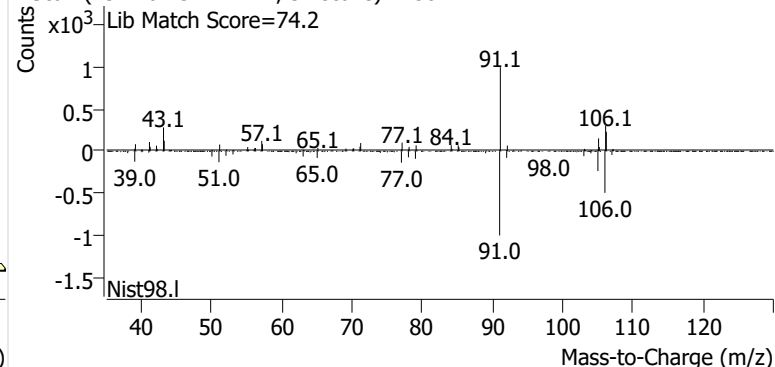
+ Scan (13.079-13.186 min, 19 scans) P2507227.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2507227.D

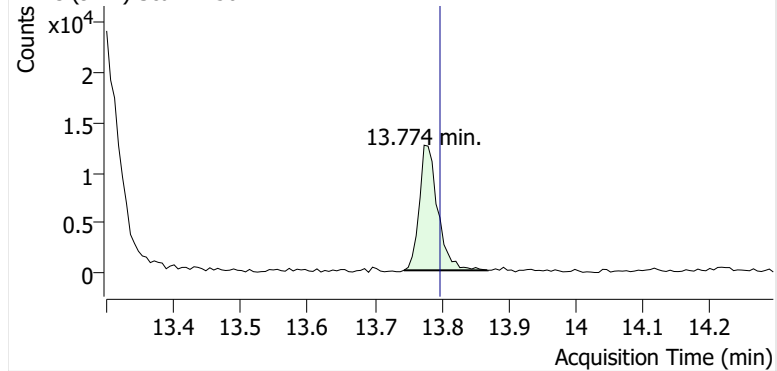


+ Scan (13.246-13.447 min, 34 scans) P2507227.D

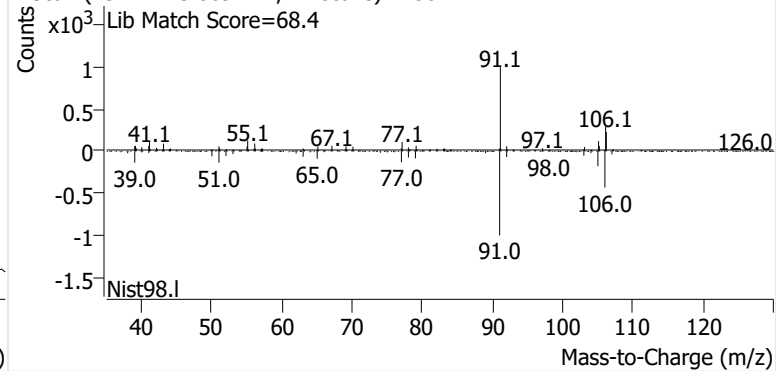


**o-Xylene**

+ EIC (91.1) Scan P2507227.D

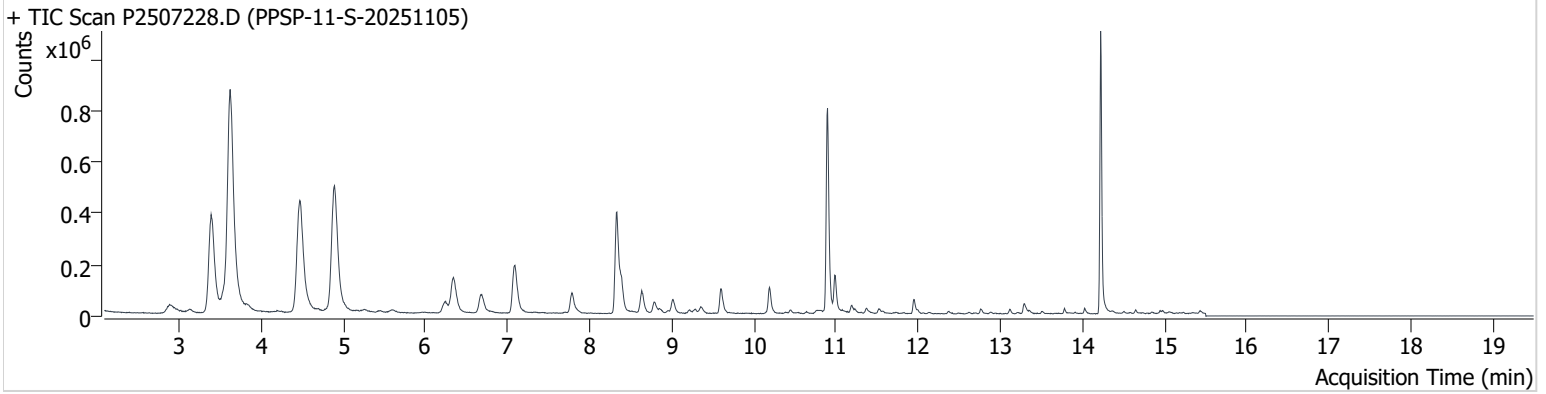


+ Scan (13.744-13.869 min, 22 scans) P2507227.D



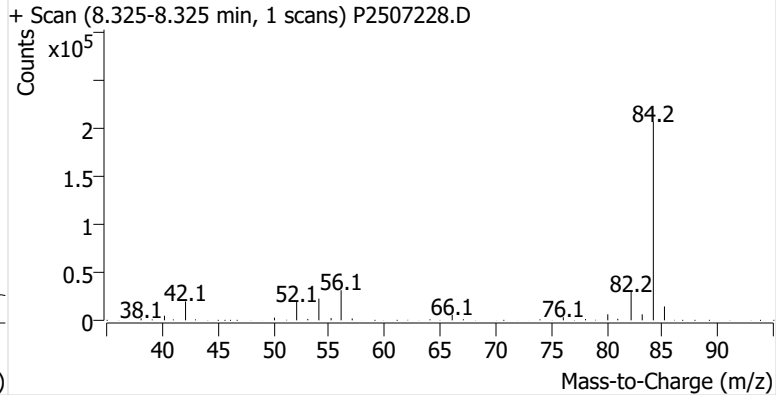
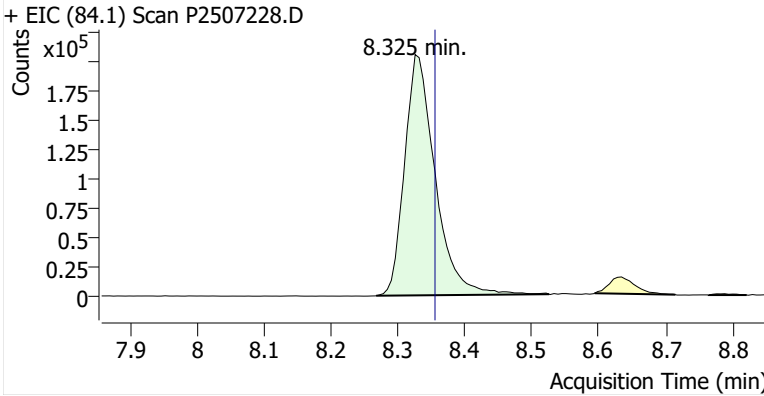
**Name** PPSP-11-S-20251105  
**Comment** C32900  
**Data File** P2507228.D  
**Acq. Date-Time** 11/24/2025 9:38:47 PM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

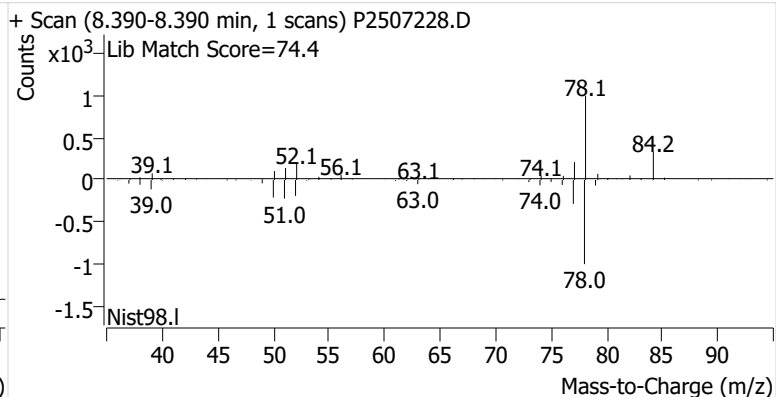
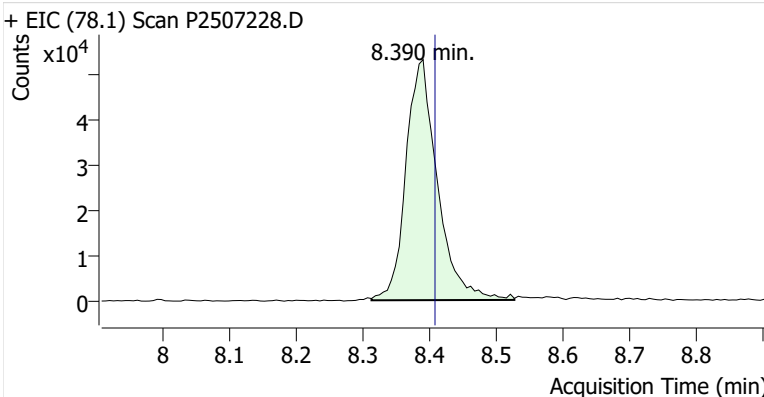


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.325	8.355	651,999	
Benzene	benzene-d6 (IS)	8.390	8.408	174,636	
Toluene-d8 (IS)		10.895	10.913	711,160	
Toluene	Toluene-d8 (IS)	10.984	11.008	130,398	
Ethylbenzene	Toluene-d8 (IS)	13.115	13.139	14,641	
m-/p-Xylenes	Toluene-d8 (IS)	13.293	13.329	38,398	
o-Xylene	Toluene-d8 (IS)	13.780	13.798	11,673	

**benzene-d6 (IS)**

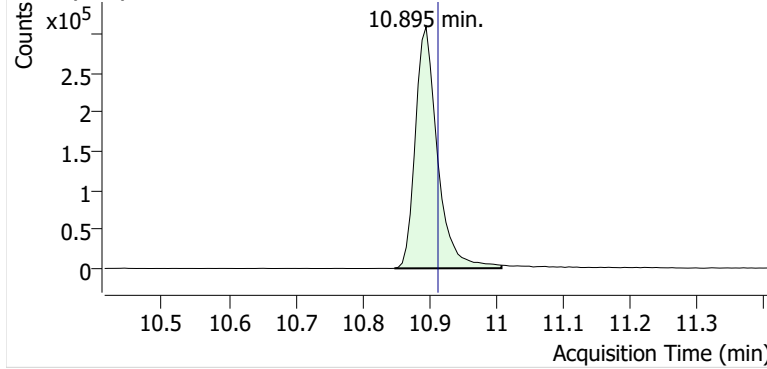


**Benzene**

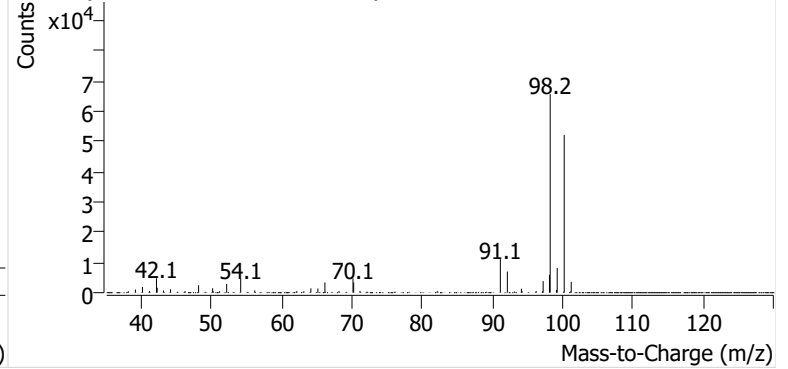


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2507228.D

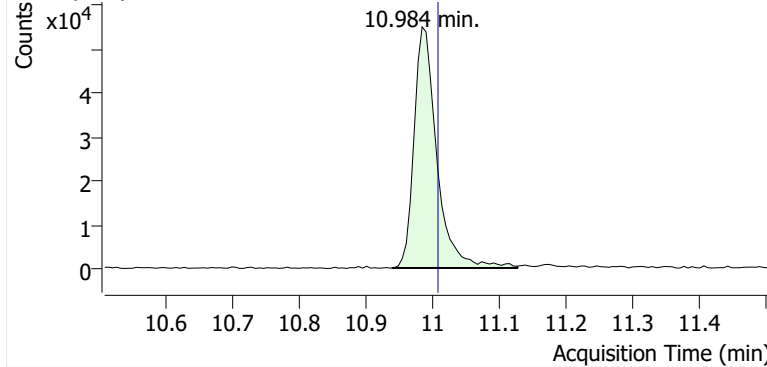


+ Scan (10.848-11.008 min, 28 scans) P2507228.D

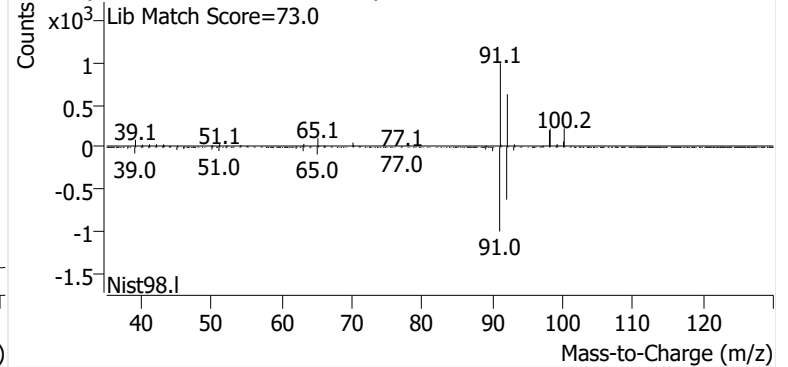


**Toluene**

+ EIC (91.1) Scan P2507228.D

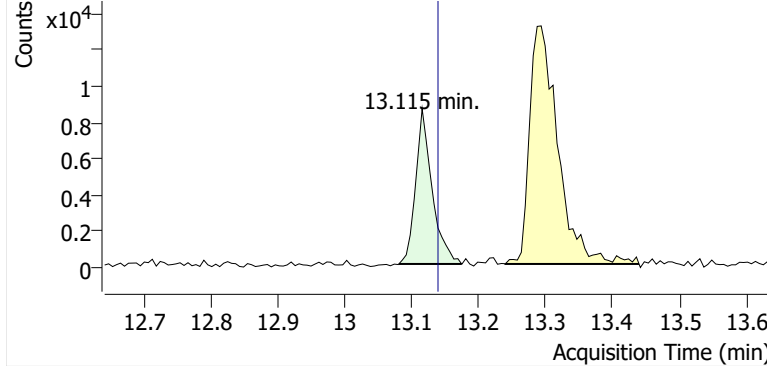


+ Scan (10.939-11.127 min, 32 scans) P2507228.D

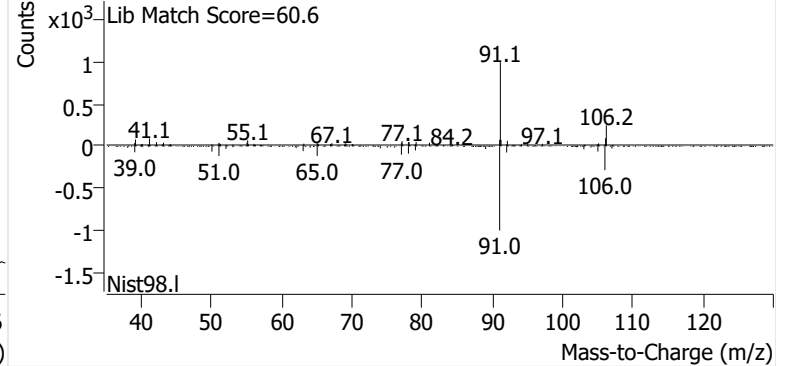


**Ethylbenzene**

+ EIC (91.1) Scan P2507228.D

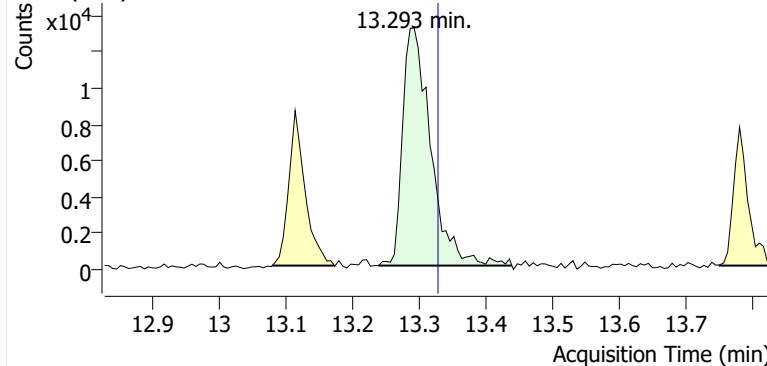


+ Scan (13.080-13.174 min, 15 scans) P2507228.D

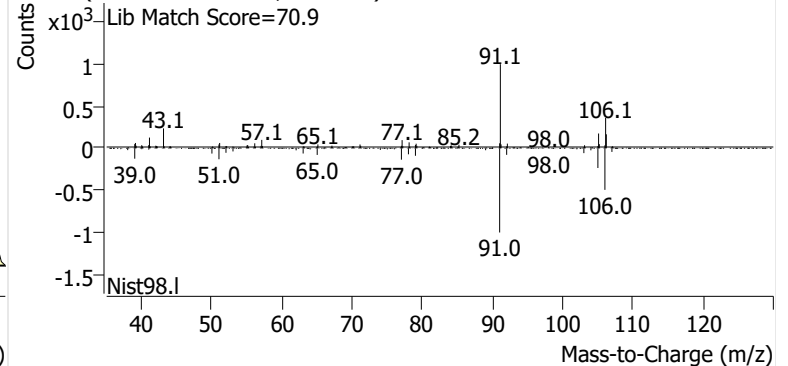


**m-/p-Xylenes**

+ EIC (91.1) Scan P2507228.D

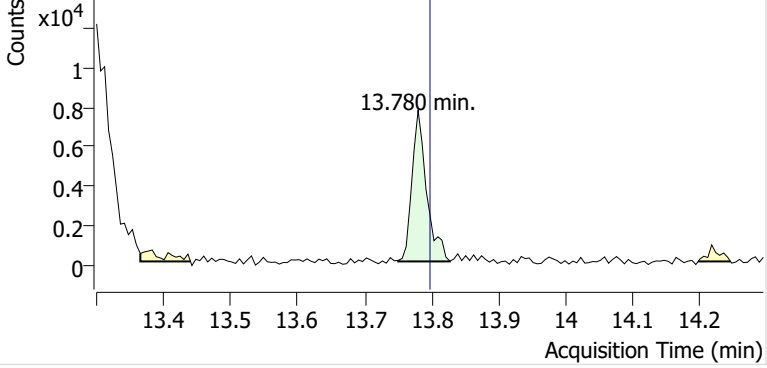


+ Scan (13.240-13.439 min, 33 scans) P2507228.D

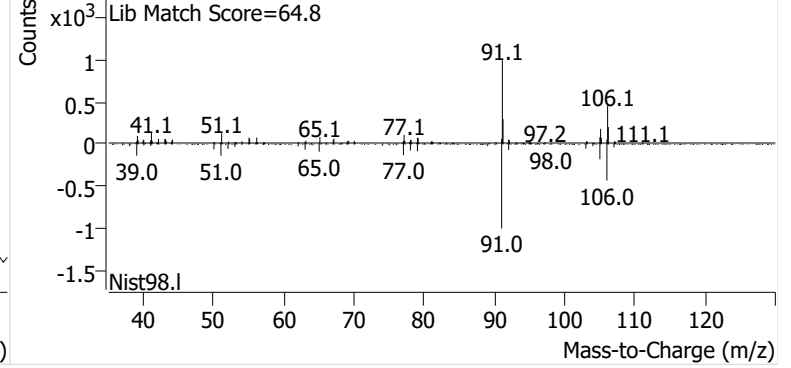


**o-Xylene**

+ EIC (91.1) Scan P2507228.D

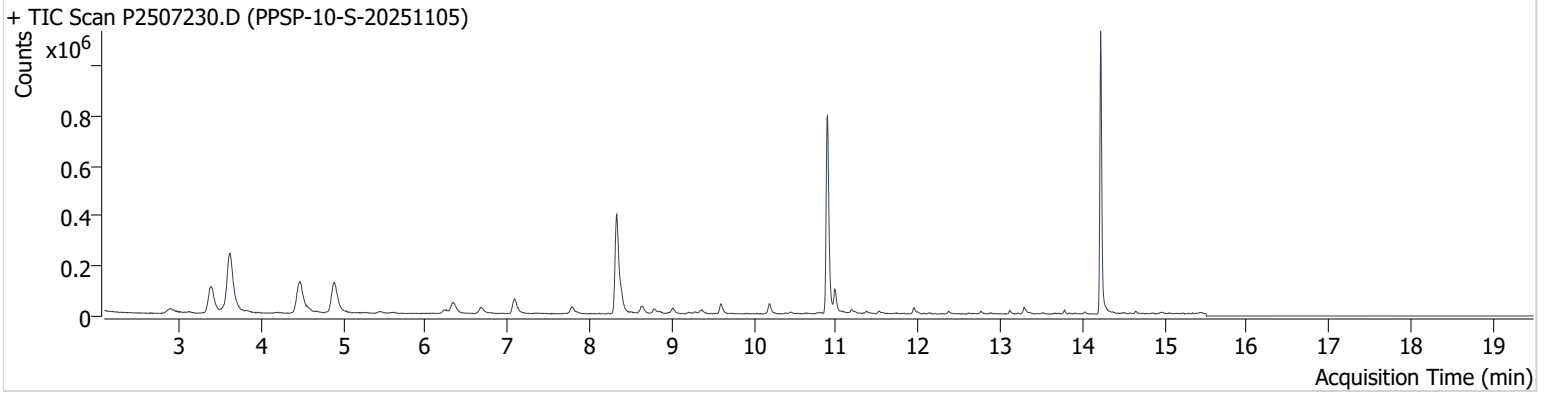


+ Scan (13.750-13.827 min, 14 scans) P2507228.D



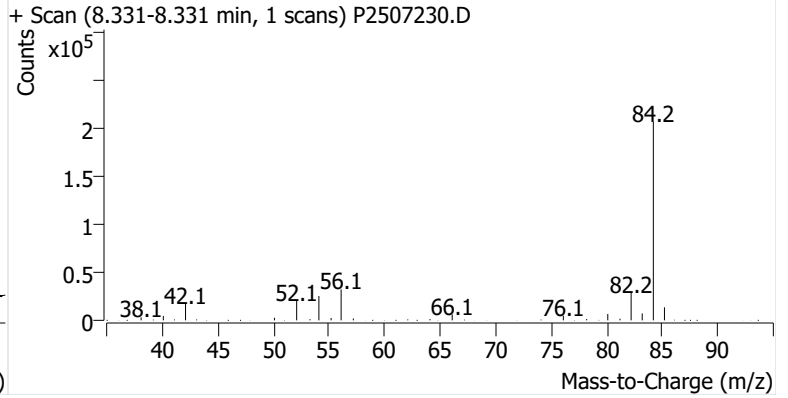
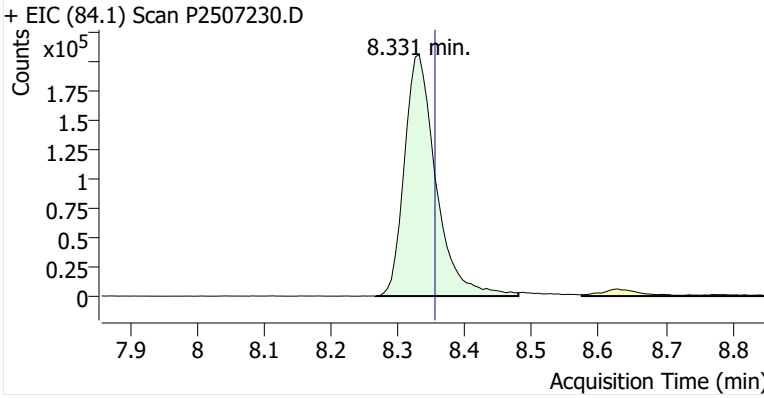
**Name** PPSP-10-S-20251105  
**Comment** B44431  
**Data File** P2507230.D  
**Acq. Date-Time** 11/24/2025 10:53:24 PM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

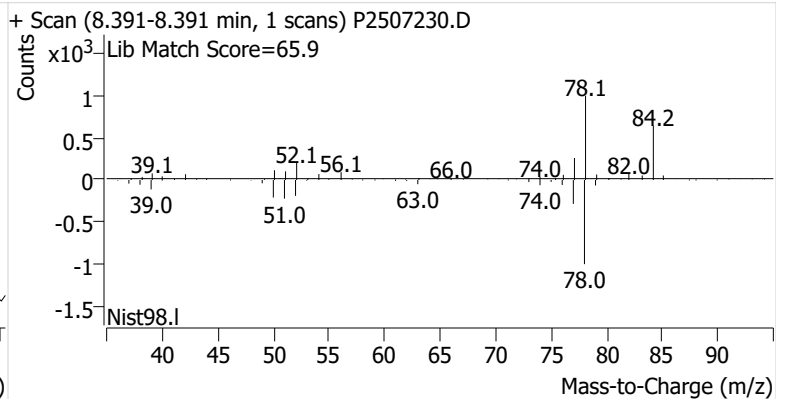
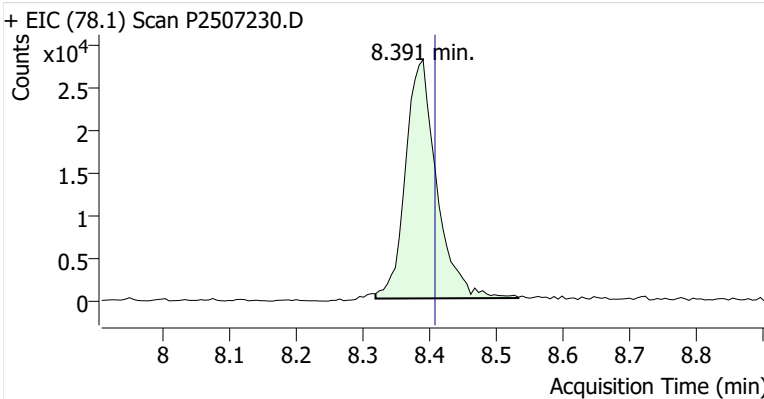


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.331	8.355	676,515	
Benzene	benzene-d6 (IS)	8.391	8.408	91,135	
Toluene-d8 (IS)		10.889	10.913	733,149	
Toluene	Toluene-d8 (IS)	10.990	11.008	77,288	
Ethylbenzene	Toluene-d8 (IS)	13.115	13.139	9,848	
m-/p-Xylenes	Toluene-d8 (IS)	13.287	13.329	23,007	
o-Xylene	Toluene-d8 (IS)	13.780	13.798	9,592	

**benzene-d6 (IS)**

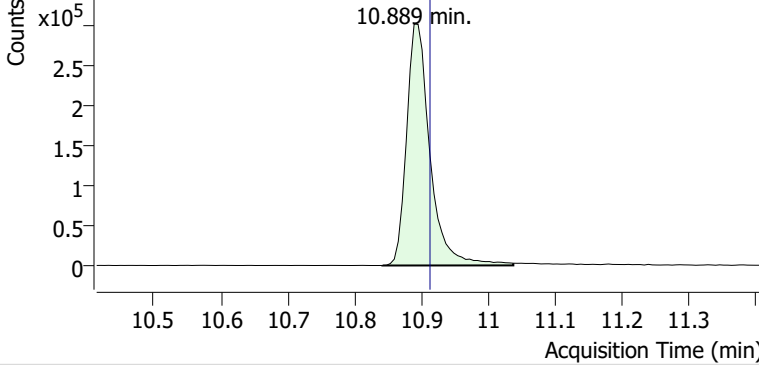


**Benzene**

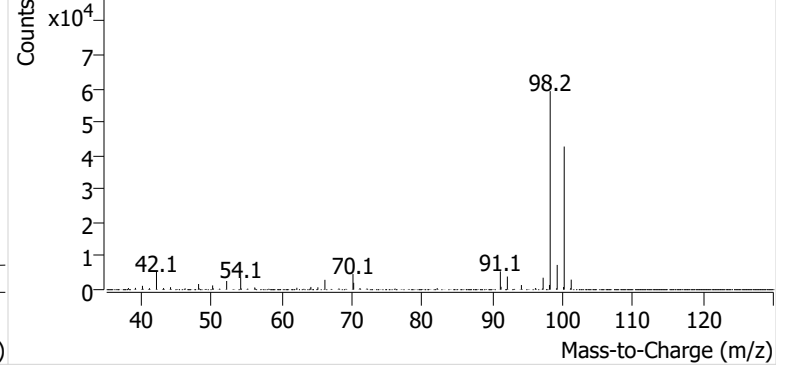


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2507230.D

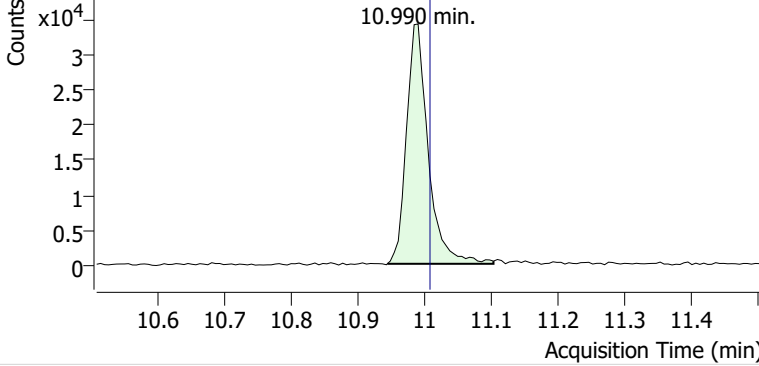


+ Scan (10.842-11.038 min, 34 scans) P2507230.D

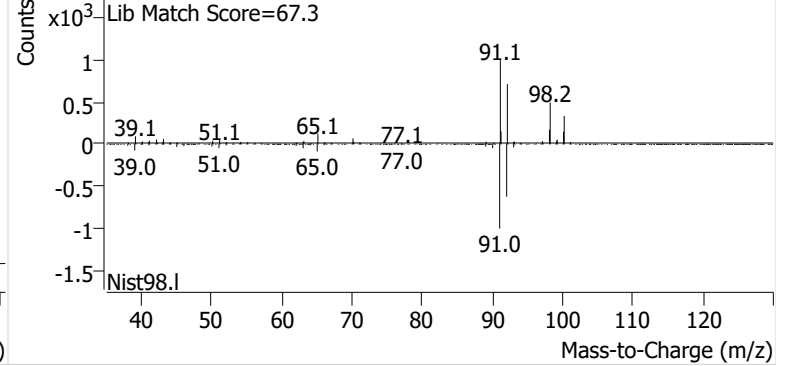


**Toluene**

+ EIC (91.1) Scan P2507230.D

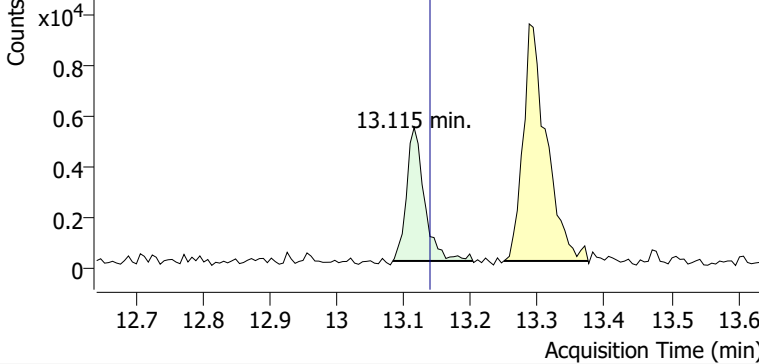


+ Scan (10.944-11.103 min, 27 scans) P2507230.D

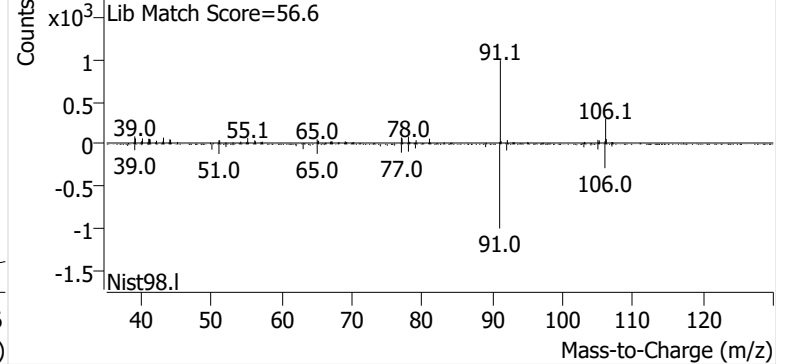


**Ethylbenzene**

+ EIC (91.1) Scan P2507230.D

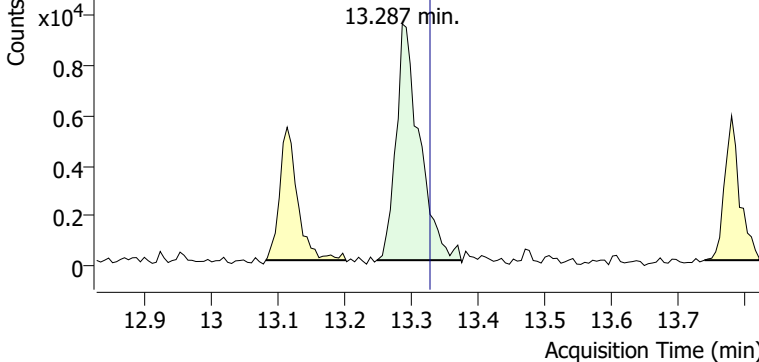


+ Scan (13.083-13.203 min, 20 scans) P2507230.D

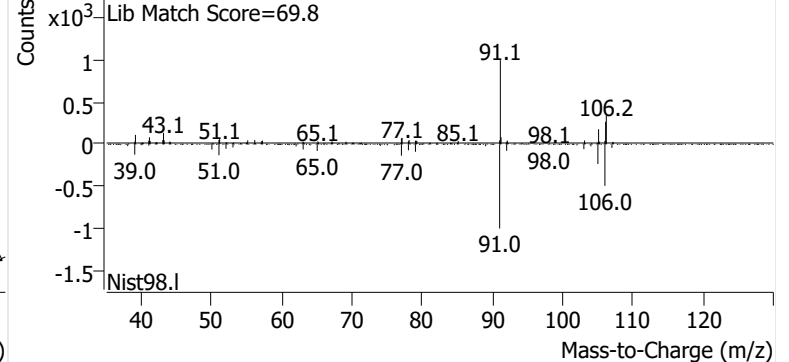


**m-/p-Xylenes**

+ EIC (91.1) Scan P2507230.D

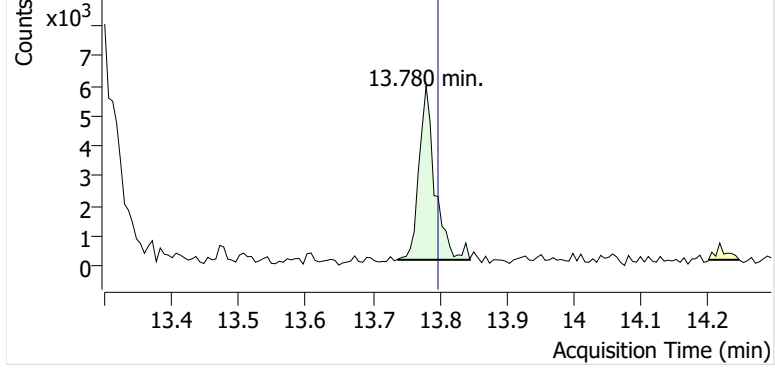


+ Scan (13.249-13.375 min, 21 scans) P2507230.D

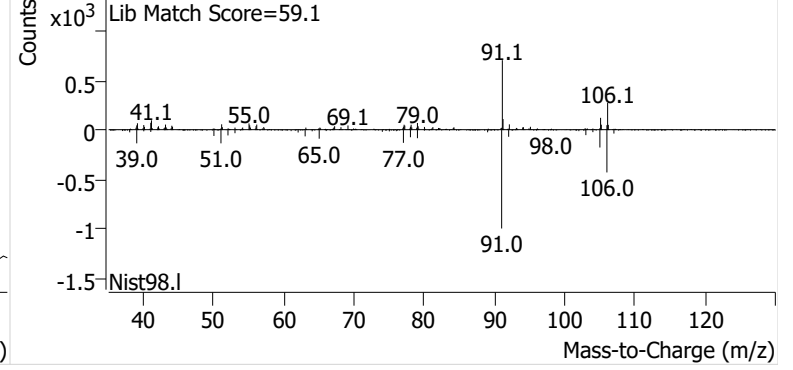


**o-Xylene**

+ EIC (91.1) Scan P2507230.D

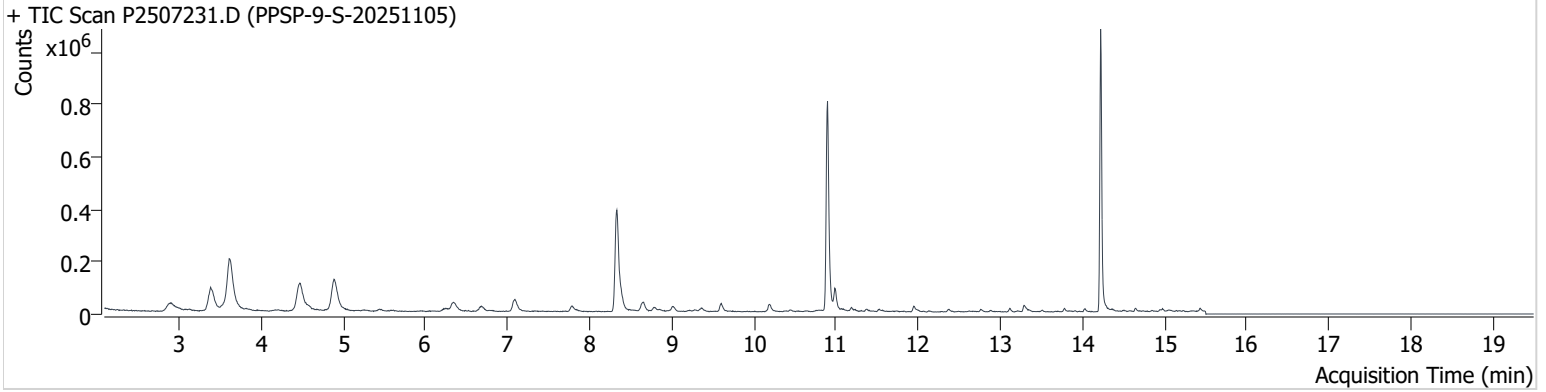


+ Scan (13.738-13.845 min, 19 scans) P2507230.D



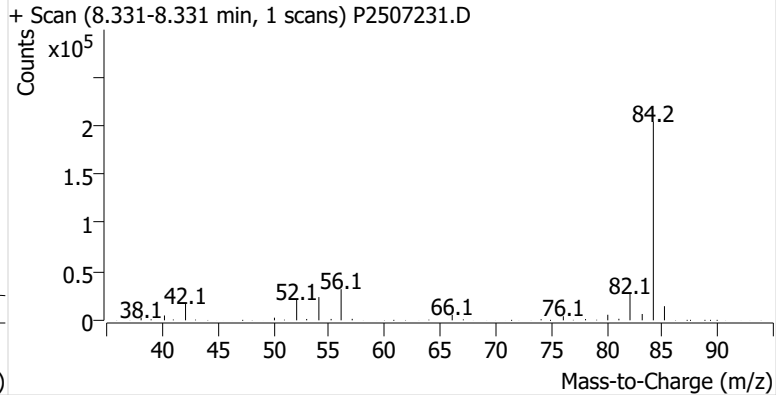
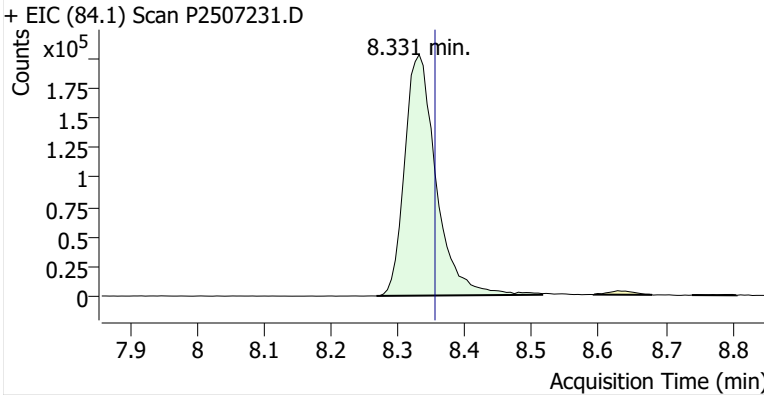
**Name** PPSP-9-S-20251105  
**Comment** C39288  
**Data File** P2507231.D  
**Acq. Date-Time** 11/24/2025 11:30:44 PM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

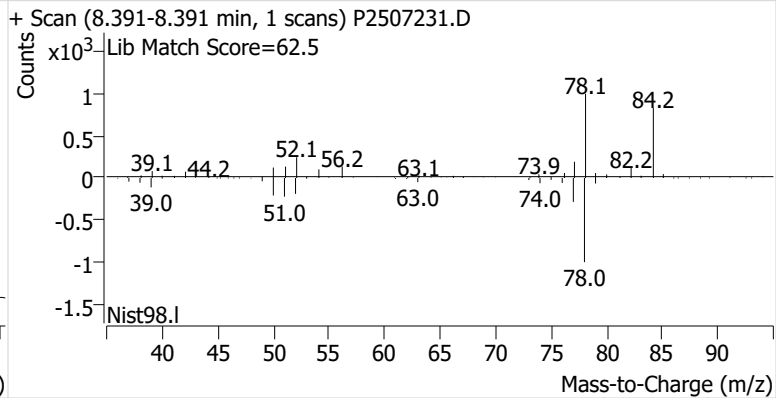
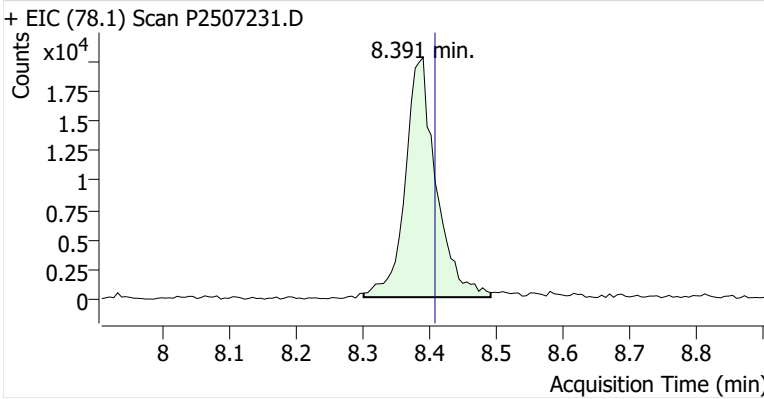


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.331	8.355	667,726	
Benzene	benzene-d6 (IS)	8.391	8.408	65,062	
Toluene-d8 (IS)		10.895	10.913	714,347	
Toluene	Toluene-d8 (IS)	10.984	11.008	68,035	
Ethylbenzene	Toluene-d8 (IS)	13.115	13.139	9,504	
m-/p-Xylenes	Toluene-d8 (IS)	13.287	13.329	23,026	
o-Xylene	Toluene-d8 (IS)	13.780	13.798	8,486	

**benzene-d6 (IS)**

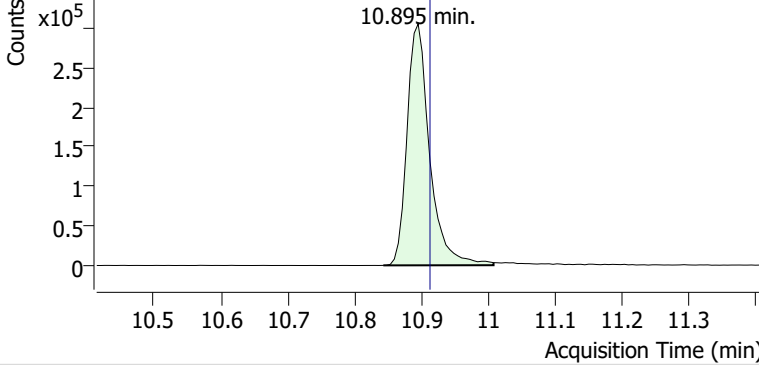


**Benzene**

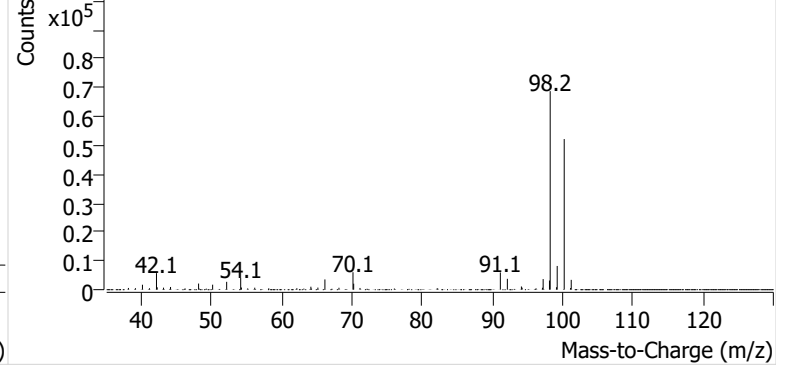


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2507231.D

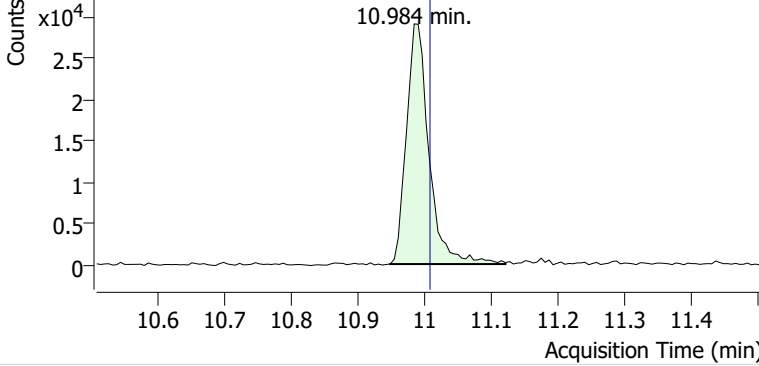


+ Scan (10.843-11.008 min, 28 scans) P2507231.D

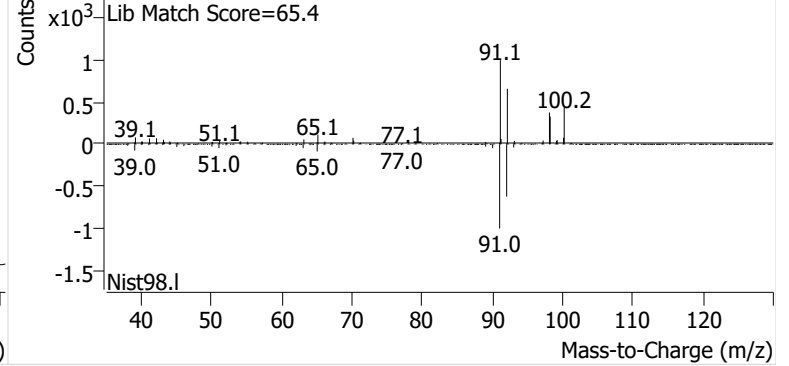


**Toluene**

+ EIC (91.1) Scan P2507231.D

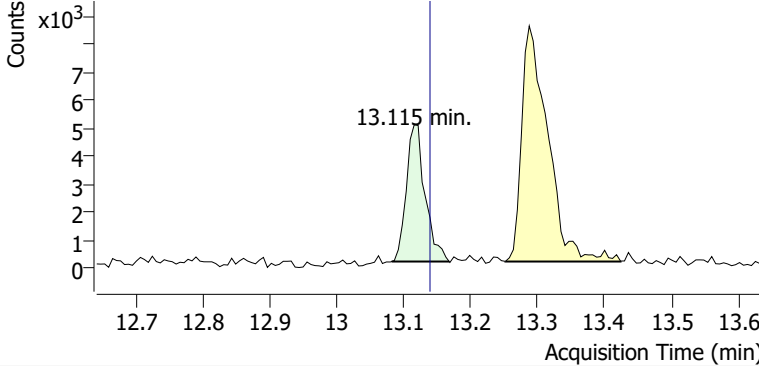


+ Scan (10.947-11.121 min, 30 scans) P2507231.D

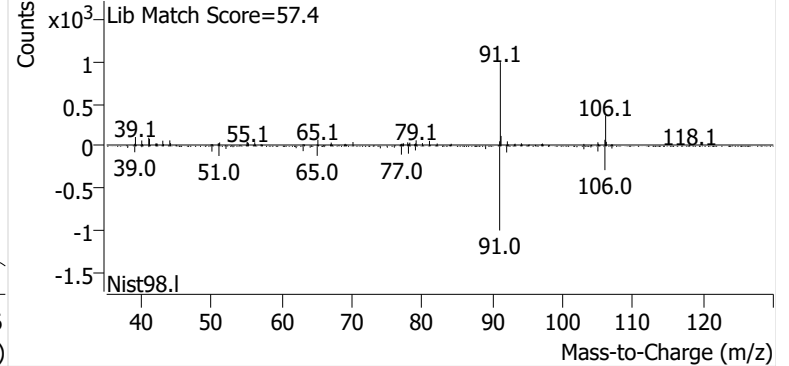


**Ethylbenzene**

+ EIC (91.1) Scan P2507231.D

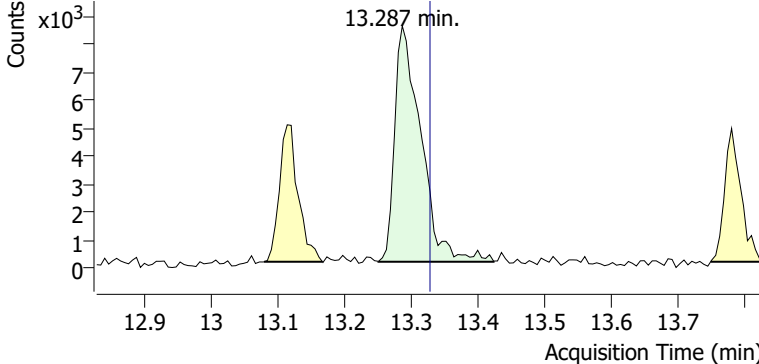


+ Scan (13.081-13.167 min, 14 scans) P2507231.D

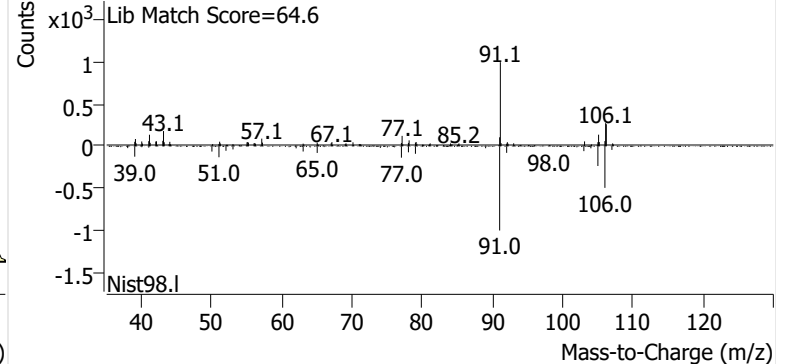


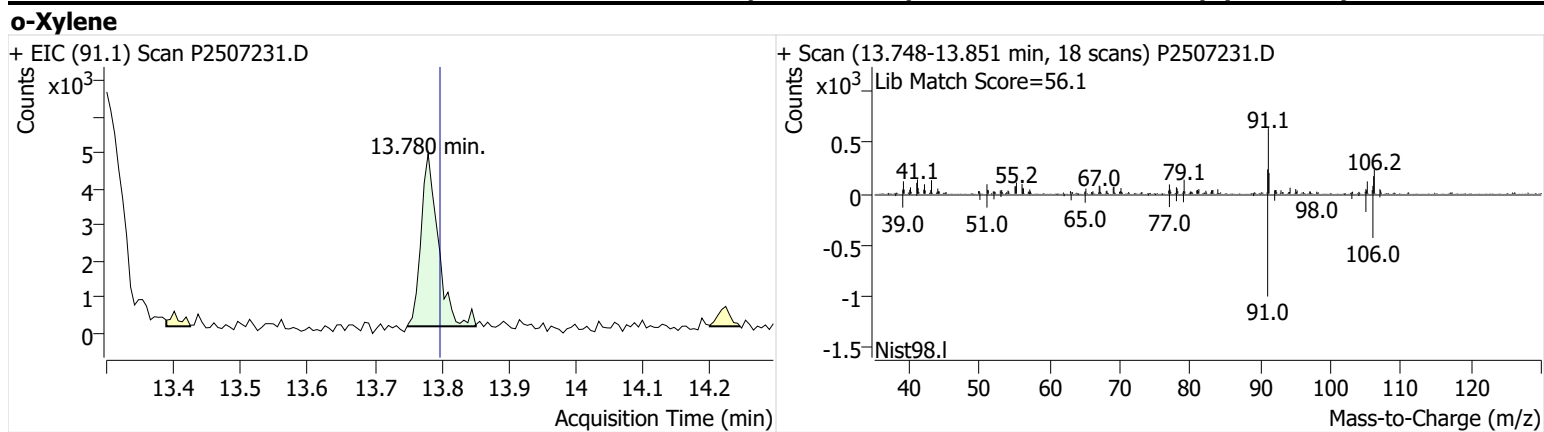
**m-/p-Xylenes**

+ EIC (91.1) Scan P2507231.D



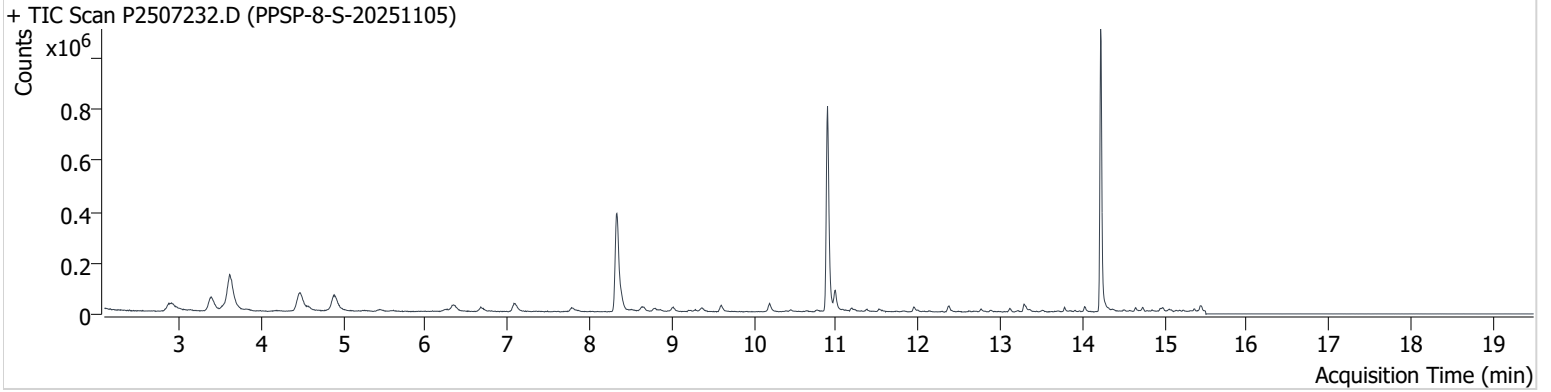
+ Scan (13.252-13.424 min, 30 scans) P2507231.D





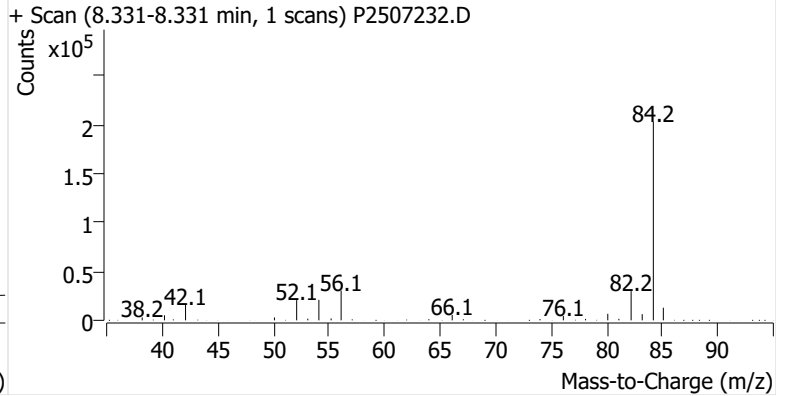
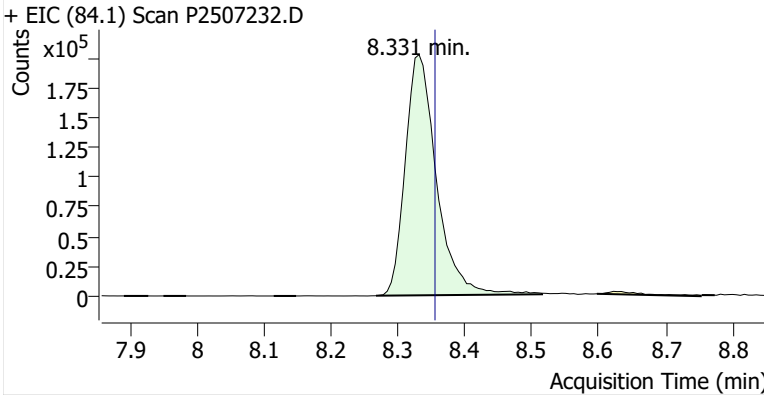
**Name** PPSP-8-S-20251105  
**Comment** C59961  
**Data File** P2507232.D  
**Acq. Date-Time** 11/25/2025 12:08:03 AM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

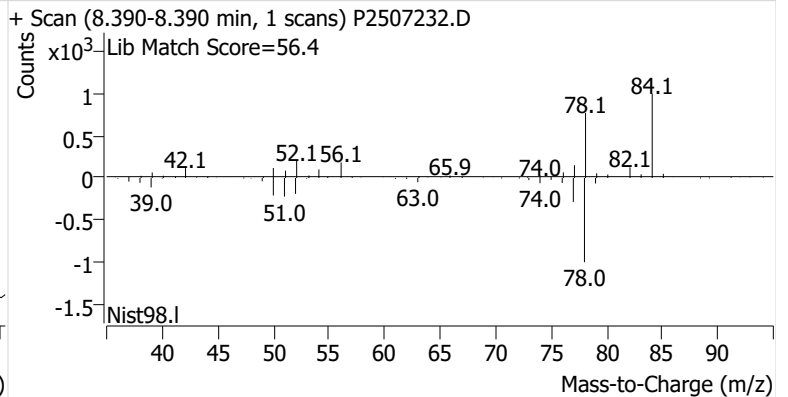
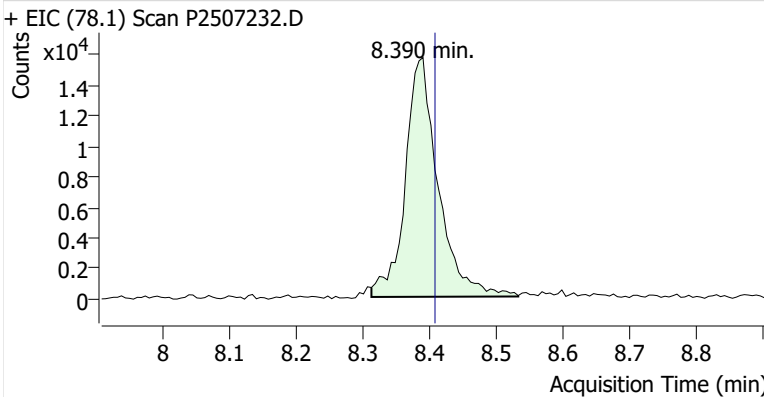


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.331	8.355	658,470	
Benzene	benzene-d6 (IS)	8.390	8.408	53,604	
Toluene-d8 (IS)		10.895	10.913	712,286	
Toluene	Toluene-d8 (IS)	10.990	11.008	61,566	
Ethylbenzene	Toluene-d8 (IS)	13.115	13.139	10,187	
m-/p-Xylenes	Toluene-d8 (IS)	13.287	13.329	27,899	
o-Xylene	Toluene-d8 (IS)	13.780	13.798	9,807	

**benzene-d6 (IS)**

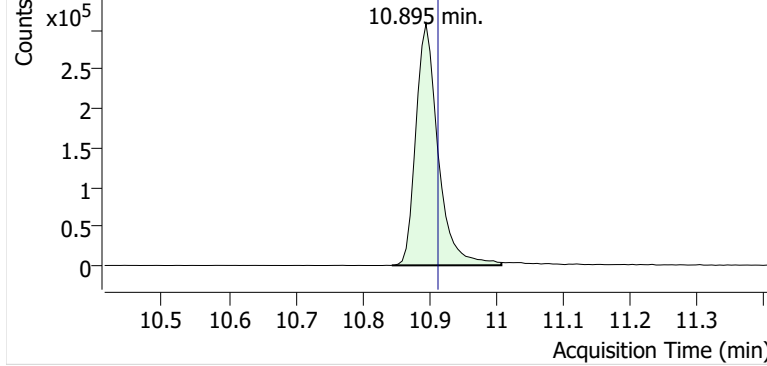


**Benzene**

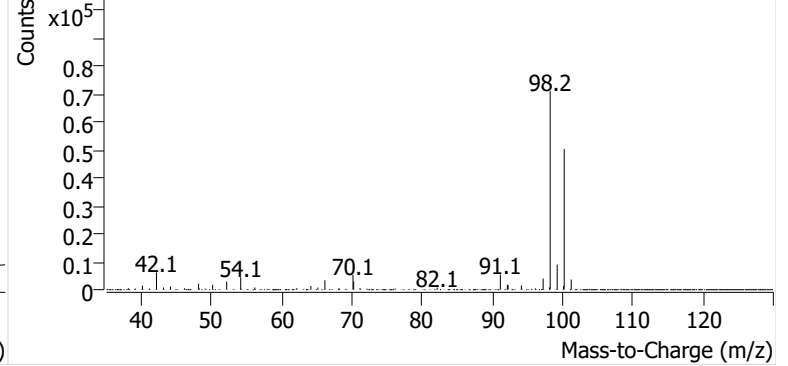


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2507232.D

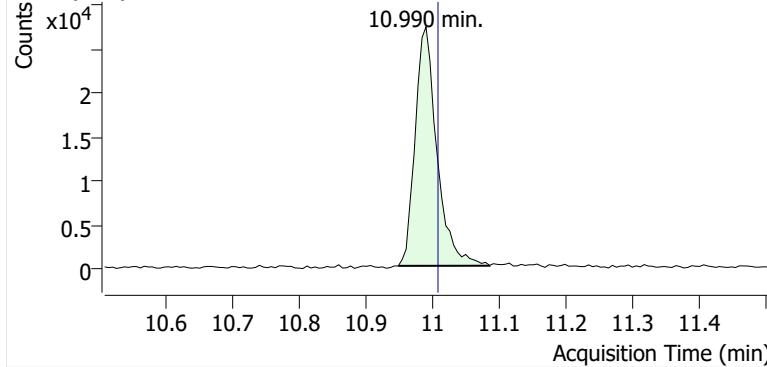


+ Scan (10.844-11.008 min, 28 scans) P2507232.D

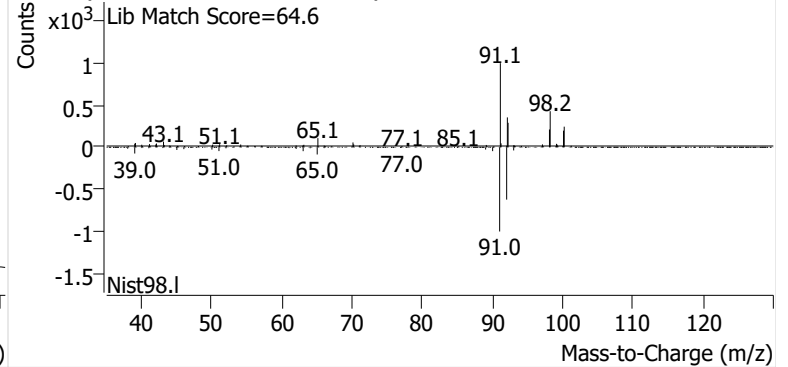


**Toluene**

+ EIC (91.1) Scan P2507232.D

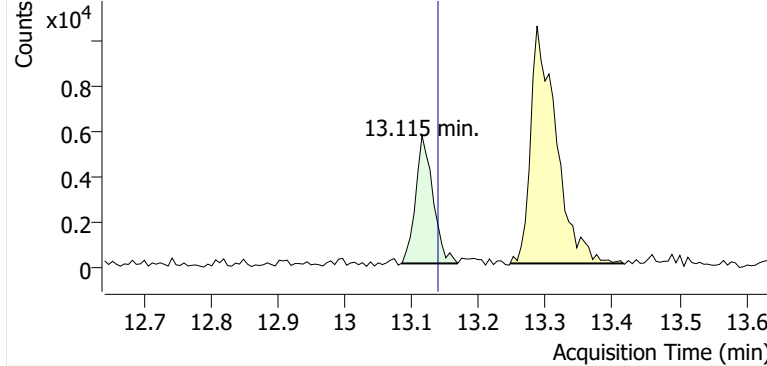


+ Scan (10.949-11.085 min, 23 scans) P2507232.D

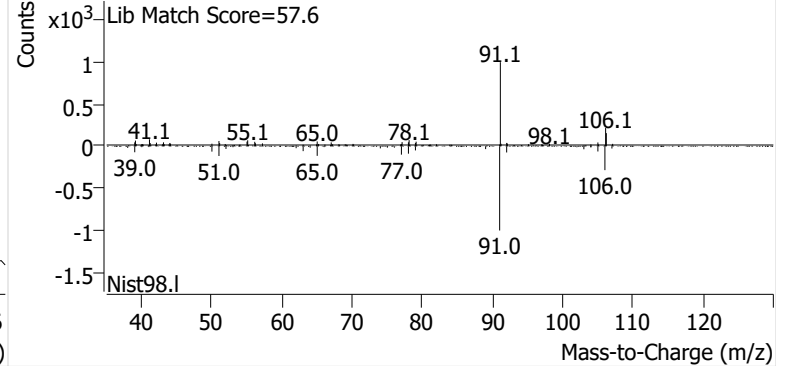


**Ethylbenzene**

+ EIC (91.1) Scan P2507232.D

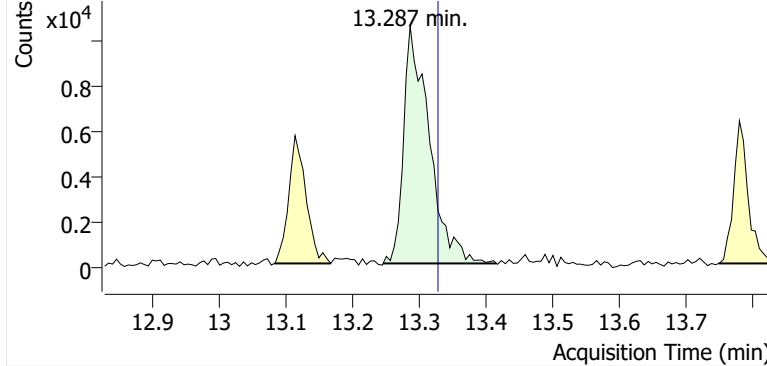


+ Scan (13.084-13.168 min, 15 scans) P2507232.D

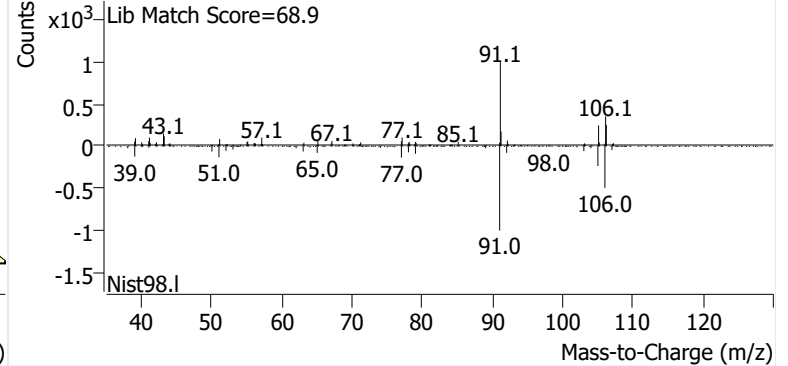


**m-/p-Xylenes**

+ EIC (91.1) Scan P2507232.D

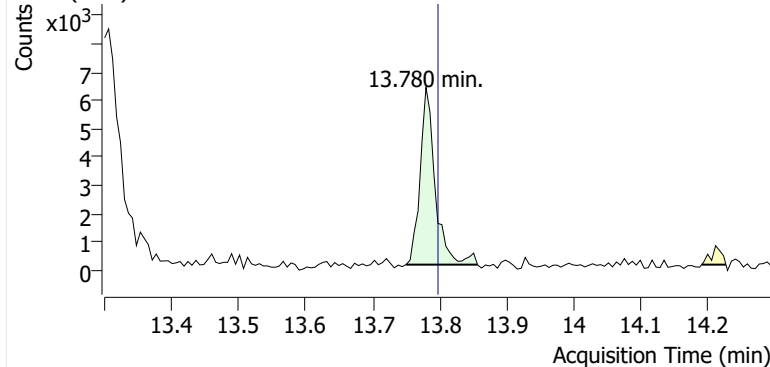


+ Scan (13.247-13.416 min, 28 scans) P2507232.D

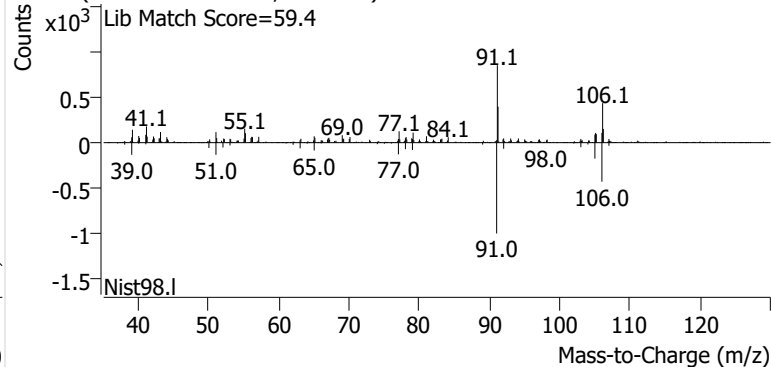


**o-Xylene**

+ EIC (91.1) Scan P2507232.D

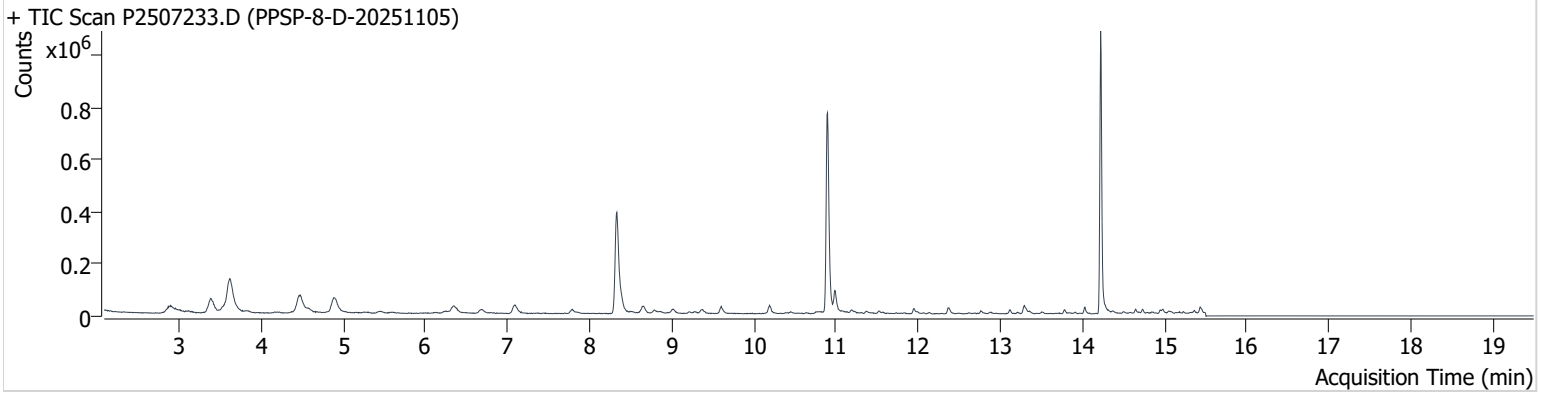


+ Scan (13.750-13.857 min, 18 scans) P2507232.D



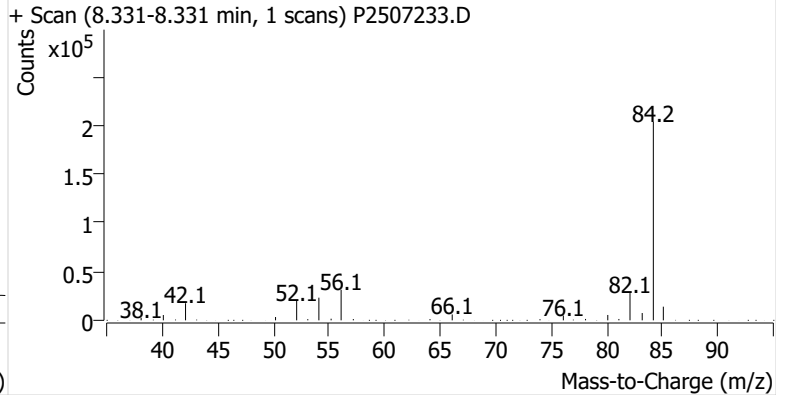
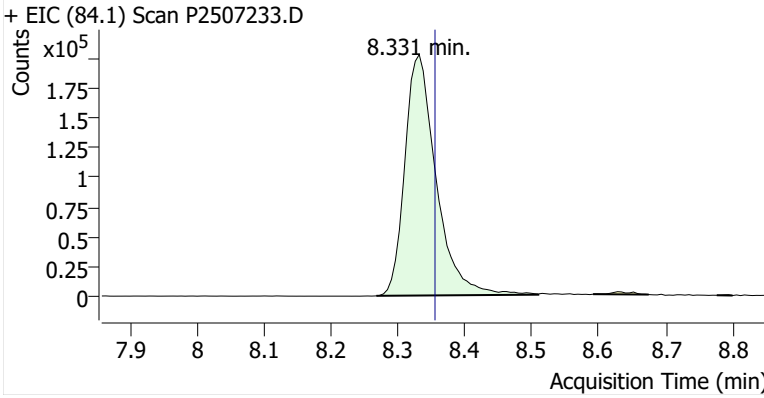
**Name** PPSP-8-D-20251105  
**Comment** C68613  
**Data File** P2507233.D  
**Acq. Date-Time** 11/25/2025 12:45:23 AM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

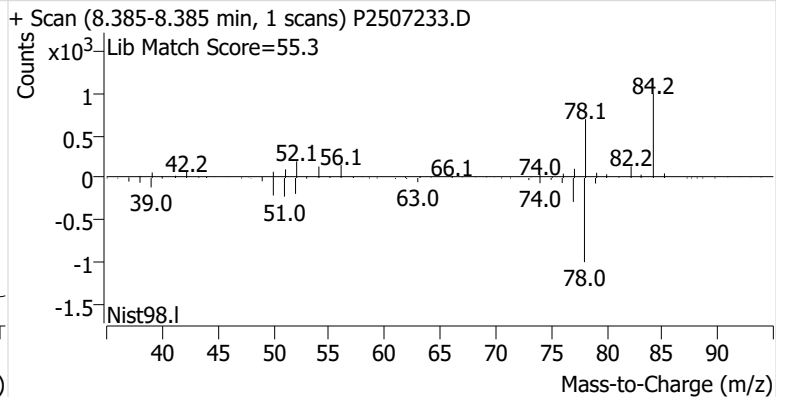
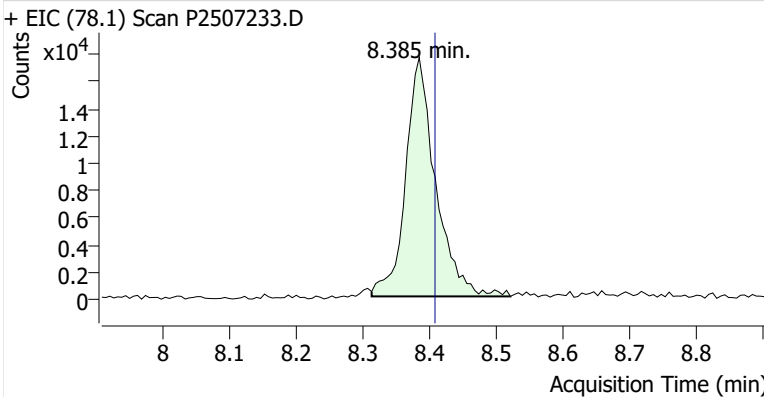


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.331	8.355	662,084	
Benzene	benzene-d6 (IS)	8.385	8.408	55,099	
Toluene-d8 (IS)		10.889	10.913	707,593	
Toluene	Toluene-d8 (IS)	10.990	11.008	66,263	
Ethylbenzene	Toluene-d8 (IS)	13.115	13.139	10,837	
m-/p-Xylenes	Toluene-d8 (IS)	13.293	13.329	29,112	
o-Xylene	Toluene-d8 (IS)	13.786	13.798	9,739	

**benzene-d6 (IS)**

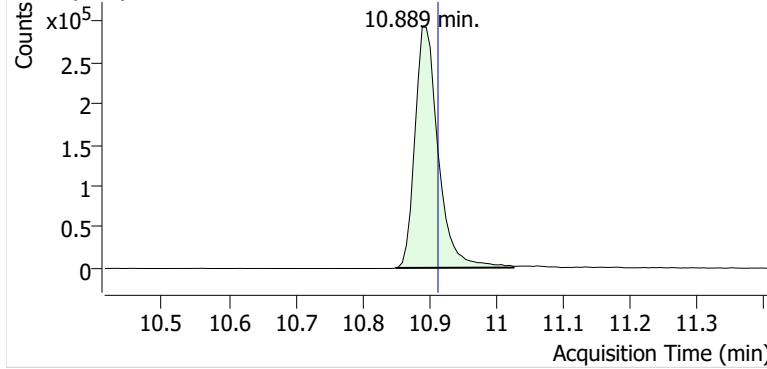


**Benzene**

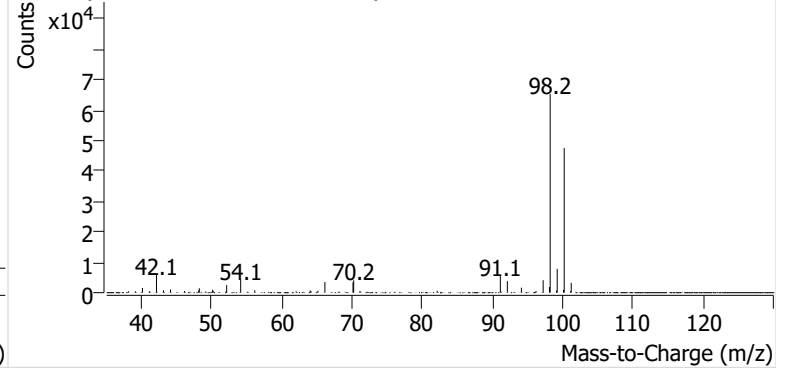


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2507233.D

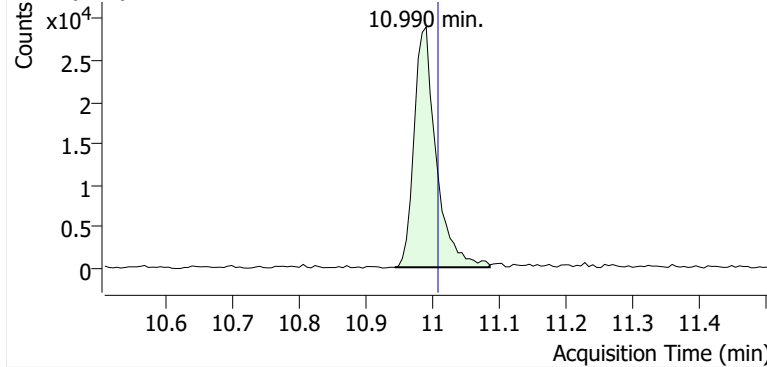


+ Scan (10.849-11.026 min, 30 scans) P2507233.D

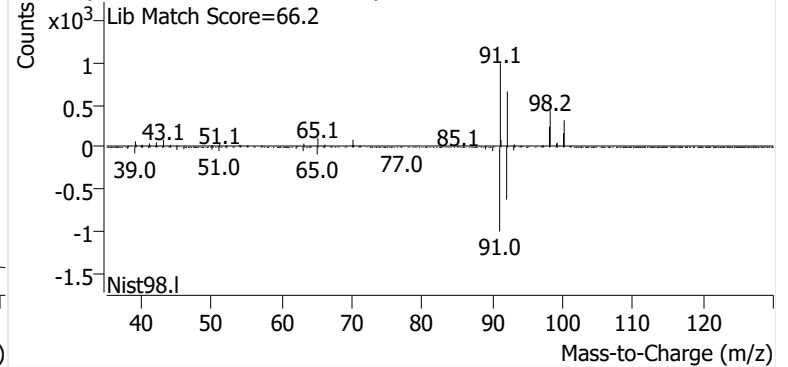


**Toluene**

+ EIC (91.1) Scan P2507233.D

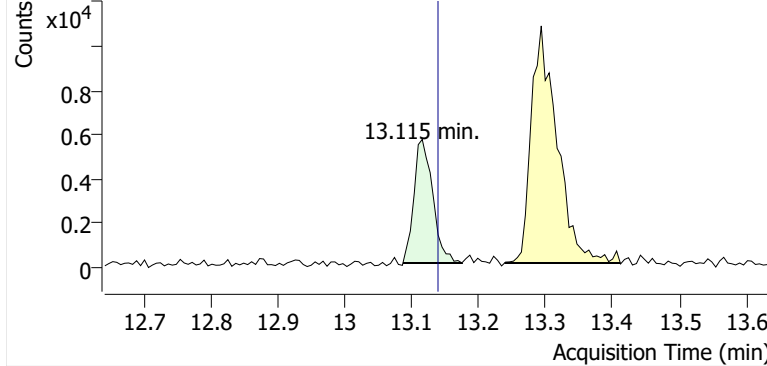


+ Scan (10.943-11.085 min, 24 scans) P2507233.D

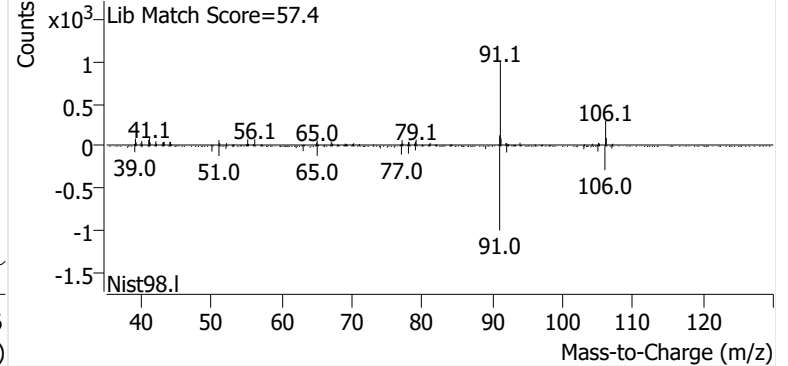


**Ethylbenzene**

+ EIC (91.1) Scan P2507233.D

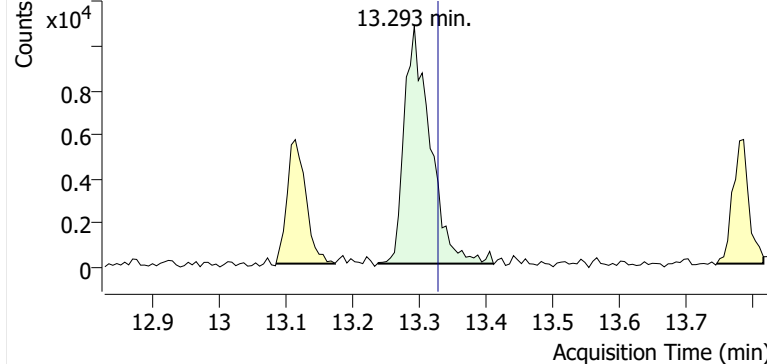


+ Scan (13.086-13.175 min, 15 scans) P2507233.D

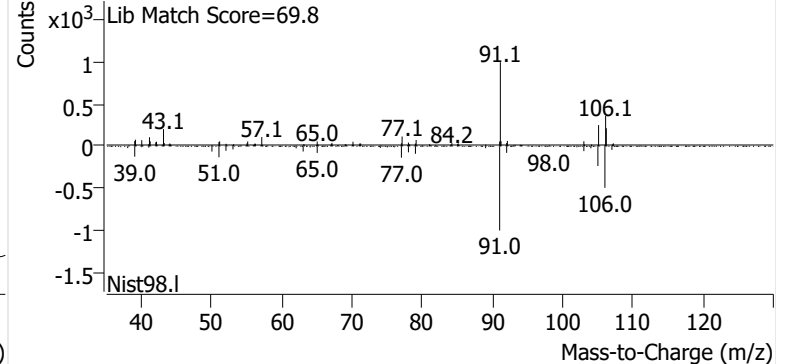


**m-/p-Xylenes**

+ EIC (91.1) Scan P2507233.D

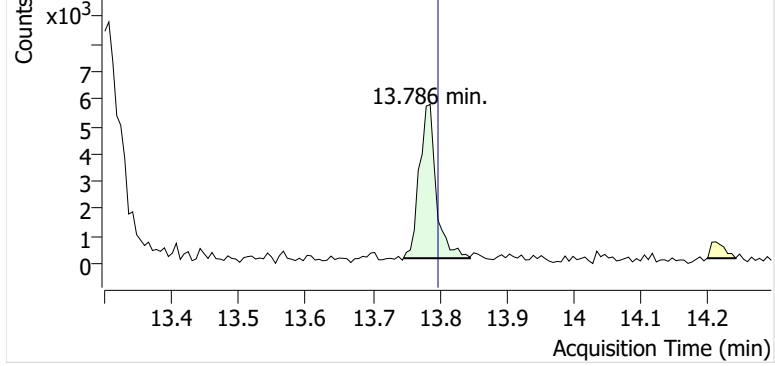


+ Scan (13.240-13.412 min, 29 scans) P2507233.D

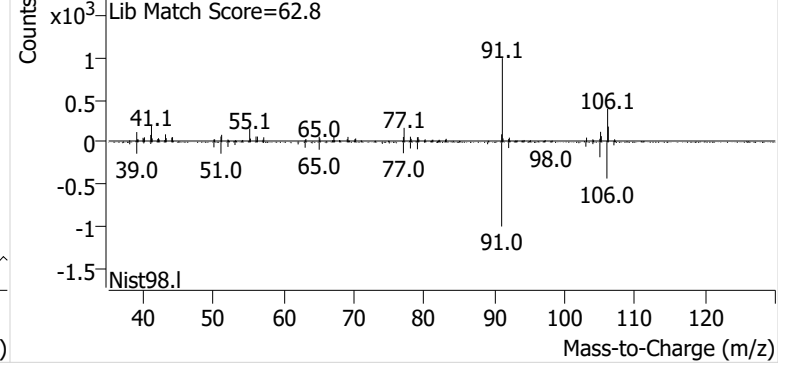


**o-Xylene**

+ EIC (91.1) Scan P2507233.D

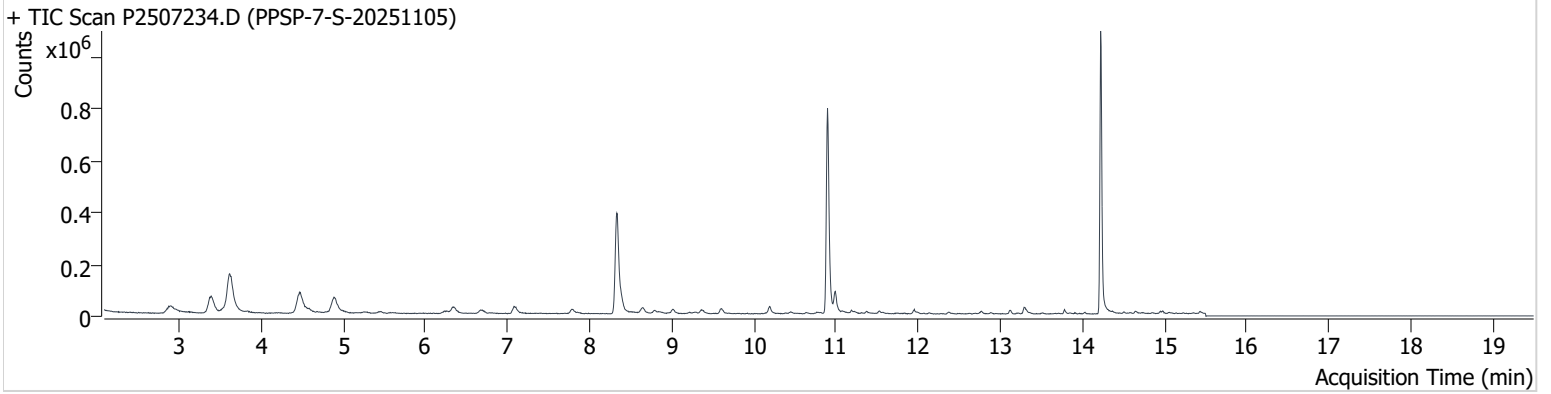


+ Scan (13.746-13.845 min, 17 scans) P2507233.D



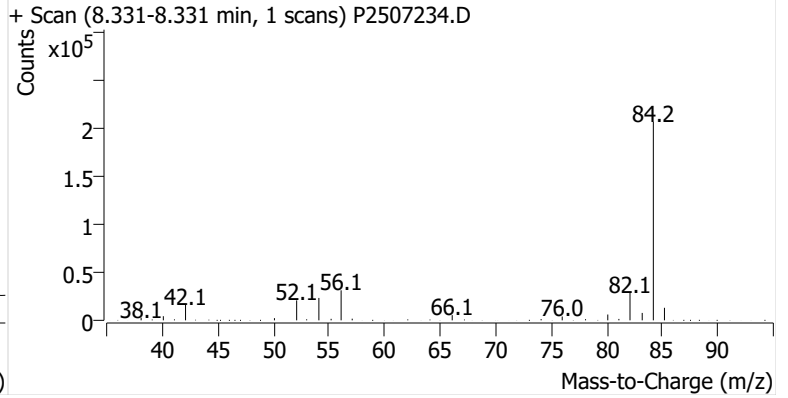
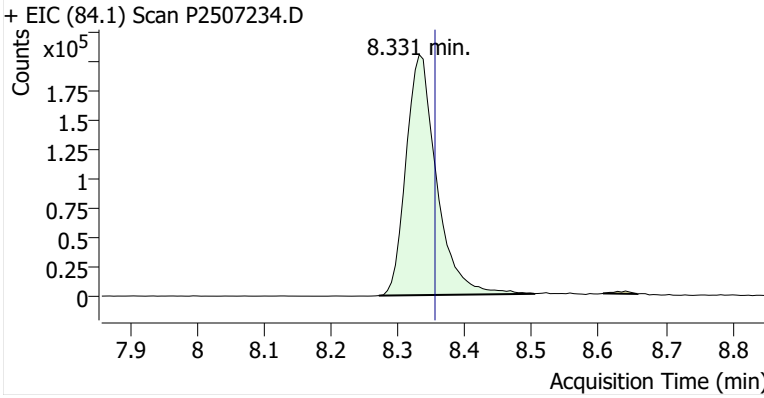
**Name** PPSP-7-S-20251105  
**Comment** C24110  
**Data File** P2507234.D  
**Acq. Date-Time** 11/25/2025 1:22:43 AM  
**Acq. Method File** M325B-TD35  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

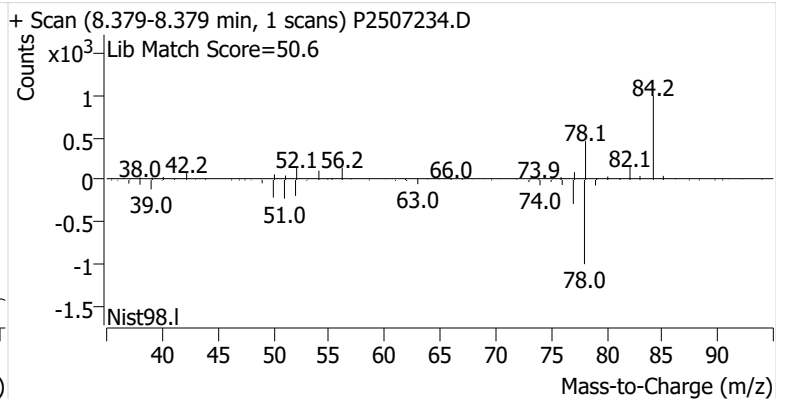
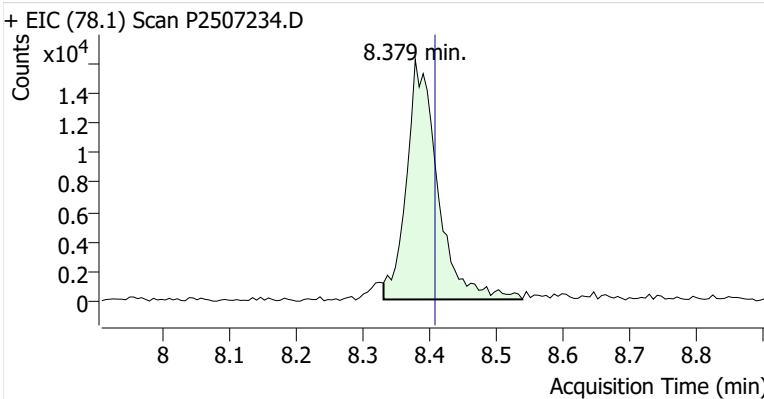


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.331	8.355	654,841	
Benzene	benzene-d6 (IS)	8.379	8.408	52,512	
Toluene-d8 (IS)		10.895	10.913	721,509	
Toluene	Toluene-d8 (IS)	10.990	11.008	64,491	
Ethylbenzene	Toluene-d8 (IS)	13.115	13.139	11,534	
m-/p-Xylenes	Toluene-d8 (IS)	13.293	13.329	25,686	
o-Xylene	Toluene-d8 (IS)	13.780	13.798	9,048	

**benzene-d6 (IS)**

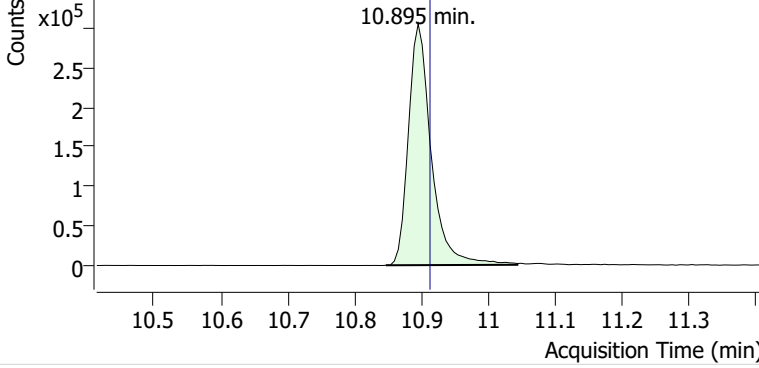


**Benzene**

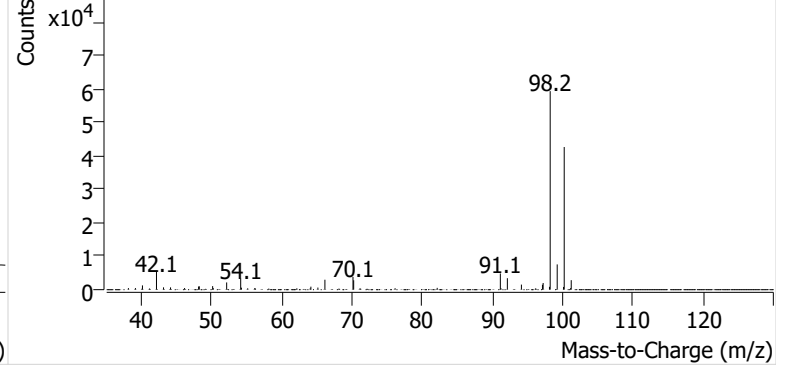


**Toluene-d8 (IS)**

+ EIC (98.1) Scan P2507234.D

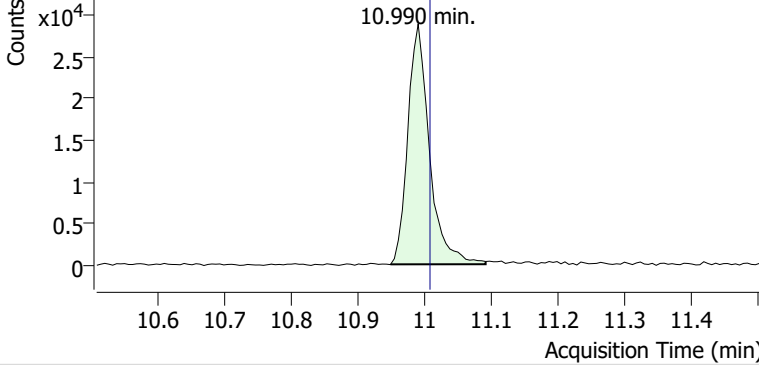


+ Scan (10.847-11.044 min, 34 scans) P2507234.D

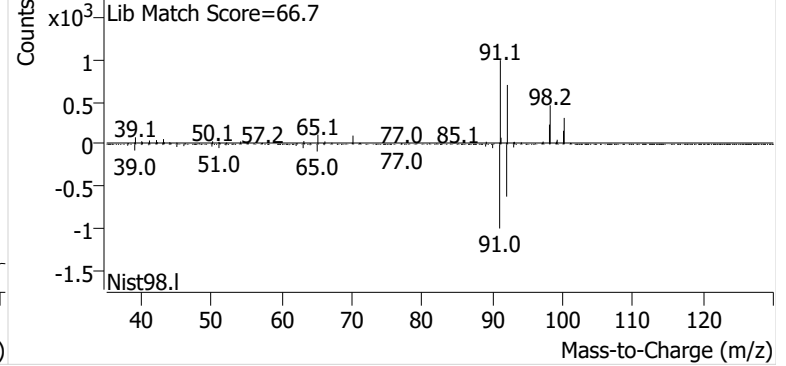


**Toluene**

+ EIC (91.1) Scan P2507234.D

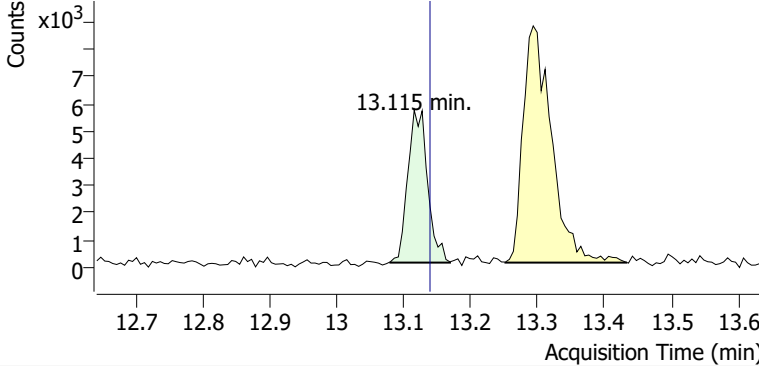


+ Scan (10.949-11.091 min, 24 scans) P2507234.D

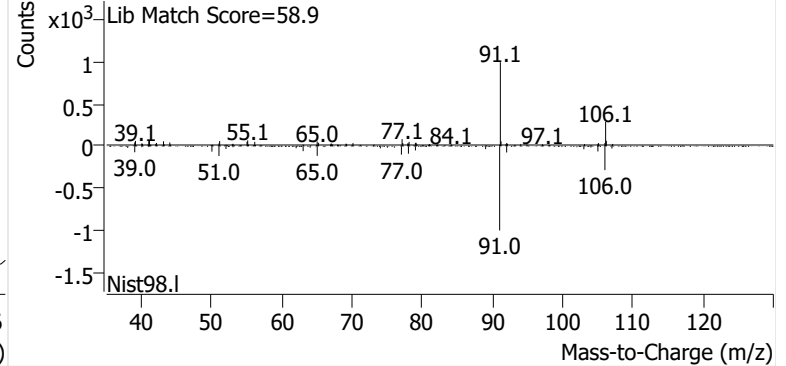


**Ethylbenzene**

+ EIC (91.1) Scan P2507234.D

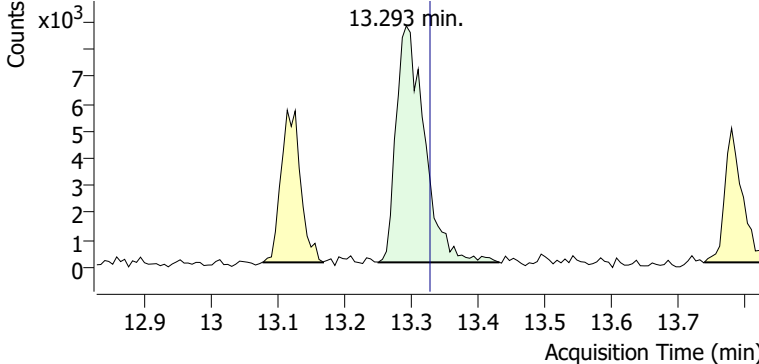


+ Scan (13.080-13.169 min, 16 scans) P2507234.D

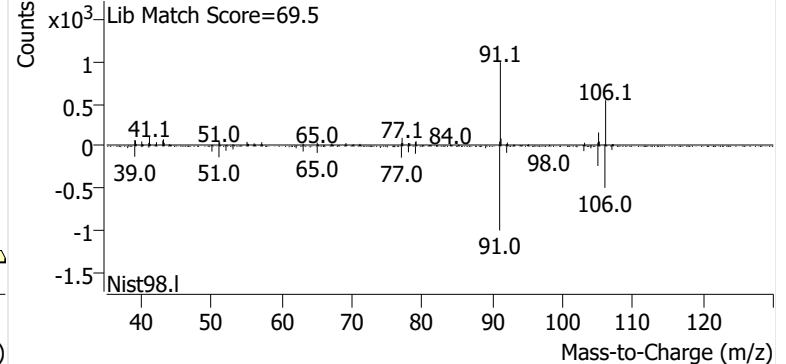


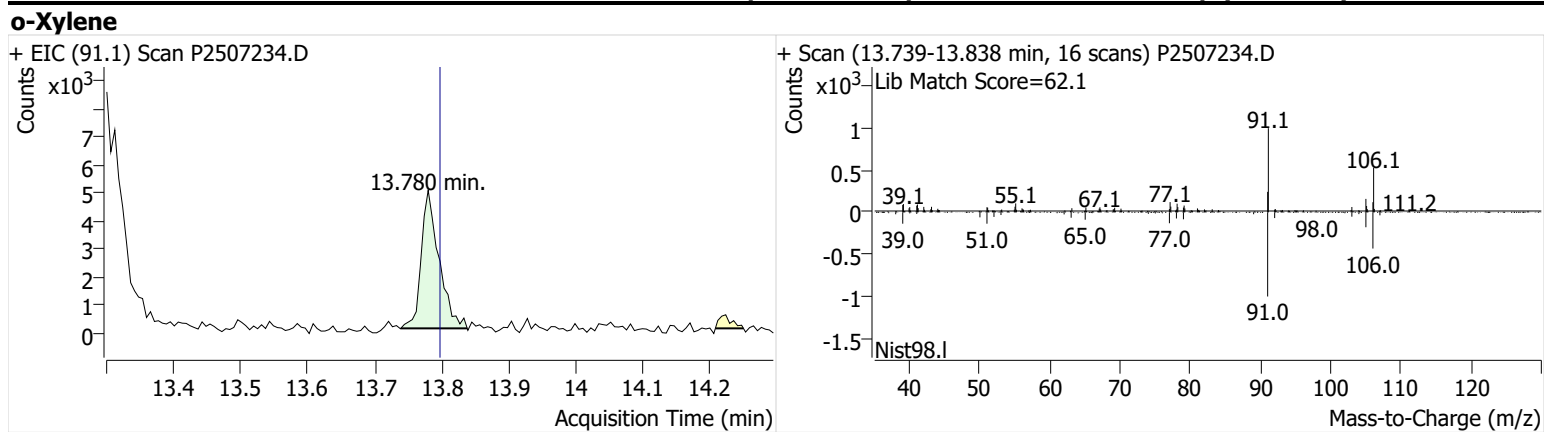
**m-/p-Xylenes**

+ EIC (91.1) Scan P2507234.D



+ Scan (13.252-13.433 min, 31 scans) P2507234.D





# Initial Calibration



# Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW404-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

## Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
P111225A_CC185154	Benzene	1	P2506981.D	5.99	72202	90.3	878980	1.239	0.17
P111225A_CC185154	Benzene	2	P2506982.D	11.97	124591	90.3	844718	1.112	0.049
P111225A_CC185154	Benzene	3	P2506983.D	23.94	216690	90.3	828303	0.987	-0.07
P111225A_CC185154	Benzene	4	P2506984.D	47.88	393161	90.3	788202	0.941	-0.11
P111225A_CC185154	Benzene	5	P2506985.D	119.71	1073868	90.3	757197	1.070	0.0084
P111225A_CC185154	Benzene	6	P2506986.D	239.42	2102277	90.3	743842	1.066	0.0048
P111225A_CC185154	Benzene	7	P2506987.D	718.27	6100782	90.3	758634	1.011	-0.047
						Avg:	799982	1.061	
						%RSD:	6.4%	9.2%	
P111225A_CC185154	Toluene	1	P2506981.D	5.26	61255	105.3	968773	1.266	0.14
P111225A_CC185154	Toluene	2	P2506982.D	10.51	103133	105.3	922805	1.119	0.0059
P111225A_CC185154	Toluene	3	P2506983.D	21.03	182313	105.3	898534	1.016	-0.087
P111225A_CC185154	Toluene	4	P2506984.D	42.06	336623	105.3	872633	0.966	-0.13
P111225A_CC185154	Toluene	5	P2506985.D	105.14	1012861	105.3	845627	1.199	0.078
P111225A_CC185154	Toluene	6	P2506986.D	210.29	1933393	105.3	838685	1.154	0.037
P111225A_CC185154	Toluene	7	P2506987.D	630.86	5460889	105.3	854145	1.067	-0.041
						Avg:	885886	1.113	
						%RSD:	5.3%	9.4%	
P111225A_CC185154	Ethylbenzene	1	P2506981.D	5.46	65374	105.3	968773	1.300	0.14
P111225A_CC185154	Ethylbenzene	2	P2506982.D	10.93	121350	105.3	922805	1.267	0.11
P111225A_CC185154	Ethylbenzene	3	P2506983.D	21.86	217482	105.3	898534	1.166	0.018
P111225A_CC185154	Ethylbenzene	4	P2506984.D	43.71	387171	105.3	872633	1.069	-0.067
P111225A_CC185154	Ethylbenzene	5	P2506985.D	109.28	990443	105.3	845627	1.129	-0.015
P111225A_CC185154	Ethylbenzene	6	P2506986.D	218.55	1815007	105.3	838685	1.043	-0.09
P111225A_CC185154	Ethylbenzene	7	P2506987.D	655.66	5551505	105.3	854145	1.044	-0.089
						Avg:	885886	1.145	
						%RSD:	5.3%	9.2%	
P111225A_CC185154	m-/p-Xylenes	1	P2506981.D	6.12	59863	105.3	968773	1.063	0.24
P111225A_CC185154	m-/p-Xylenes	2	P2506982.D	12.25	96064	105.3	922805	0.895	0.043
P111225A_CC185154	m-/p-Xylenes	3	P2506983.D	24.49	159745	105.3	898534	0.764	-0.11
P111225A_CC185154	m-/p-Xylenes	4	P2506984.D	48.99	299713	105.3	872633	0.738	-0.14
P111225A_CC185154	m-/p-Xylenes	5	P2506985.D	122.47	872737	105.3	845627	0.887	0.034
P111225A_CC185154	m-/p-Xylenes	6	P2506986.D	244.94	1606234	105.3	838685	0.823	-0.041
P111225A_CC185154	m-/p-Xylenes	7	P2506987.D	734.81	4983789	105.3	854145	0.836	-0.026
						Avg:	885886	0.858	
						%RSD:	5.3%	12.5%	
P111225A_CC185154	o-Xylene	1	P2506981.D	5.69	57585	105.3	968773	1.099	0.27
P111225A_CC185154	o-Xylene	2	P2506982.D	11.39	85751	105.3	922805	0.859	-0.0075
P111225A_CC185154	o-Xylene	3	P2506983.D	22.78	144966	105.3	898534	0.746	-0.14

## Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW404-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

### Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
P111225A_CC185154	o-Xylene	4	P2506984.D	45.56	266992	105.3	872633	0.707	-0.18
P111225A_CC185154	o-Xylene	5	P2506985.D	113.89	855302	105.3	845627	0.935	0.08
P111225A_CC185154	o-Xylene	6	P2506986.D	227.79	1577542	105.3	838685	0.869	0.0046
P111225A_CC185154	o-Xylene	7	P2506987.D	683.36	4673566	105.3	854145	0.843	-0.026
							Avg:	885886	0.865
							%RSD:	5.3%	14.9%

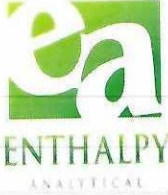
### Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
P111225A_CC185154	Benzene	ICV	P2506988.D	445.74	3596552	90.3	746497	0.976	-8.0%
P111225A_CC185154	Toluene	ICV	P2506988.D	456.43	3448686	105.3	831977	0.956	-14.0%
P111225A_CC185154	Ethylbenzene	ICV	P2506988.D	451.29	3591643	105.3	831977	1.007	-12.0%
P111225A_CC185154	m-/p-Xylenes	ICV	P2506988.D	458.31	2868845	105.3	831977	0.792	-7.7%
P111225A_CC185154	o-Xylene	ICV	P2506988.D	459.19	2788820	105.3	831977	0.769	-11.0%

M325B PDF Report ver.20250917

# Sample Custody





# EPA Method 325 A/B Field Test Data Sheet and Chain of Custody Record

2025FW404 Page # 1 of # 2

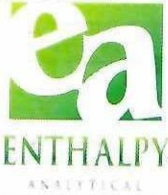
- Standard Turn Around Time (7 business days)
- Rush Turn Around Time
- All TATs Subject to Approval by Enthalpy Analytical, LLC
- Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name: South Portland Terminal	Client Name: Portland Pipe Line	PO#:
Site Address:	Project Number:	Sample Event #
City:	Project Manager: Tom Rolfson	Sorbent:
State:	Email Address: <a href="mailto:tom.rolfson@powererg.com">tom.rolfson@powererg.com</a>	
Zip:	Telephone #:	

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
6	C69707	sample	11/5/25	10:30 AM	11/19/25	11:10 AM	JB / JB		
5	C57760	sample	11/5/25	10:35 AM	11/19/25	11:15 AM	JB / JB		
4	C69730	sample	11/5/25	10:39 AM	11/19/25	11:20 AM	JB / JB		
3	C57474	sample	11/5/25	10:43 AM	11/19/25	11:24 AM	JB / JB		
2	C70777	sample	11/5/25	10:46 AM	11/19/25	11:27 AM	JB / JB		
1	C69719	sample	11/5/25	10:50 AM	11/19/25	11:32 AM	JB / JB		
1	C01850	blank	11/5/25	10:50 AM	11/19/25	11:32 AM	JB / JB		
13	C17241	sample	11/5/25	10:53 AM	11/19/25	11:36 AM	JB / JB		

Relinquished By (printed):	Relinquished By (signature): <i>Jen Bowidowicz</i>	Relinquished Date: 11/19/2025	Relinquished Time:
Received By (printed): David Taylor	Received By (signature): <i>[Signature]</i>	Receipt Date: 11/21/25	Receipt Time: 11:00 AM
Sample Condition Upon Receipt: Good	Compound List: BTEX	Custody Seal intact? Y/N: Y	Delivery tracking #
Ice Temp:	Blank Temp: 15.2 Fluke 9	Add Custody Seal # below: 24G09717	

**Comments:** Please pull the ambient temp from the KPWM NOAA station. Thank you



# EPA Method 325 A/B Field Test Data Sheet and Chain of Custody Record

2025FW404

Page # 2 of # 2

- Standard Turn Around Time (7 business days)
- Rush Turn Around Time
- All TATs Subject to Approval by Enthalpy Analytical, LLC
- Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name: South Portland Terminal	Client Name: Portland Pipe Line	PO#:
Site Address:	Project Number:	Sample Event #:
City:	Project Manager: Tom Rolfson	Sorbent:
State:	Email Address: tom.rolfson@powererg.com	
Zip:	Telephone #:	

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
12	C69563	sample	11/5/25	10:57 AM	11/19/25	11:40 AM	JB / JB		
11	① C32900	sample	11/5/25	11:00 AM	11/19/25	11:44 AM	JB / JB		
10	B44431	sample	11/5/25	11:04 AM	11/19/25	11:49 AM	JB / JB		
9	C39288	sample	11/5/25	11:07 AM	11/19/25	11:52 AM	JB / JB		
8	C59961	sample	11/5/25	11:10 AM	11/19/25	11:55 AM	JB / JB		
8	C68613	duplicate	11/5/25	11:10 AM	11/19/25	11:55 AM	JB / JB		
7	C24110	sample	11/5/25	11:14 AM	11/19/25	11:59 AM	JB / JB		

Relinquished By (printed): <b>Jen Bowidowicz</b>	Relinquished By (signature): <i>Jennifer Bowidowicz</i>	Relinquished Date: <b>11/19/2025</b>	Relinquished Time:
Received By (printed): <i>David Taylor</i>	Received By (signature): <i>David Taylor</i>	Receipt Date: <b>11/21/25</b>	Receipt Time: <b>11:00 AM</b>
Sample Condition Upon Receipt: <b>Good</b>	Compound List: <b>BTEX</b>	Custody Seal intact? Y/N: <b>Y</b>	Delivery tracking #
Ice Temp:	Blank Temp: <b>15.2 FW/ke 4</b>	Add Custody Seal # below: <b>24609717</b>	

Comments: ①=Loose cap DLT 11/21 Please pull the ambient temp from the KPWM NOAA station. Thank you

**This Is The Last Page  
Of This Report.**



# Portland Pipeline - S Portland, ME

303 U.S. Route One  
Freeport, ME 04032

## Portland Pipeline - S Portland, ME

Samples Received: 12/5/2025

### Analytical Report 2025FW405

### EPA Method 325B Analysis

Report Issue Date: 12/17/2025

I certify that to the best of my knowledge all analytical data presented in this report have been checked for completeness, accuracy, errors and legibility in addition to having been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s). This report shall not be reproduced except in full without approval of the laboratory. This will provide assurance that parts of the report are not taken out of context.

Amendment(s):

Signature:



QA REVIEW PERFORMED BY

Brianna Berry  
QA Associate I



Matt Cavanaugh  
Matthew.Cavanaugh@enthalpy.com / www.enthalpy.com  
O: (919) 850-4392  
Enthalpy Analytical  
800 Capitola Drive Suite 1 Durham, NC 27713

# Table of Contents

Case Narrative .....	3
Results .....	6
Summary of Results .....	7
Detailed Results .....	8
QC Data .....	11
Chromatograms .....	15
Initial Calibration .....	64
Sample Custody .....	67
Chain of Custody .....	68

# Narrative Summary



# Enthalpy Analytical Narrative Summary

Company	Power Engineers, Inc.
Job No.	2025FW405-1
Client ID.	Site: Portland Pipeline - S Portland, ME

## 1. Custody

The samples were received at Enthalpy Analytical on December 5, 2025 at 11.1 °C. The samples were received in good condition. Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, LLC

**Table 1 - Sample Inventory**

Sample ID	Tube ID	Sample Type
PPSP-6-S-20251119	C55448	Sample
PPSP-5-S-20251119	C69586	Sample
PPSP-4-S-20251119	C73556	Sample
PPSP-3-S-20251119	C71524	Sample
PPSP-2-S-20251119	C60253	Sample
PPSP-1-S-20251119	C61454	Sample
PPSP-1-B-20251119	C43265	Blank
PPSP-13-S-20251119	C71610	Sample
PPSP-12-S-20251119	C43383	Sample
PPSP-11-S-20251119	C70076	Sample
PPSP-10-S-20251119	C73557	Sample
PPSP-9-S-20251119	C57513	Sample
PPSP-8-S-20251119	C61567	Sample
PPSP-8-D-20251119	C37460	Duplicate
PPSP-7-S-20251119	C71673	Sample

## 2. Analysis

The samples were analyzed for Benzene, Toluene, Ethylbenzene, m-/p-Xylenes, and o-Xylene using EPA Method 325B – Volatile Organic Compounds from Fugitive and Area Sources by Thermal Desorption and GC/MS. A copy of the acquisition method M325B-MTD is not included in this report but may be available upon request.

The sample tube media used for this sampling period was CarbopackX. All calibration standards and laboratory QC were prepared using the same media.

## 3. Calibration

One of the daily BFB check failed to meet method criteria for the relative response of m/z 174. Because m/z 174 is not near the tuning region of the quant ion for the target analyte and the continuing calibration checks met the 30% difference criteria, the deviation is not expected to have an effect on the data. All other BFB criteria have been met for this analysis.

The initial calibration (K120925A\_CC185154\_R1) met all 30% RSD criteria. The initial calibration verification met  $\pm 30\%$  recovery criteria. The continuing calibration verifications met 30% difference criteria. The initial and continuing calibration raw data are not included in this report but are available upon request.

# Enthalpy Analytical Narrative Summary

Company	Power Engineers, Inc.
Job No.	2025FW405-1
Client ID.	Site: Portland Pipeline - S Portland, ME

## 5. QC Notes

All quality control criteria required by the method and/or the laboratory SOP have been met unless noted otherwise below.

The primary sample PPSP-8-S-20251119 (tube ID C61567) and its corresponding duplicate PPSP-8-D-20251119 (tube ID C37460) failed to meet the 30% difference criterion for m-/p-Xylenes as specified by the method. However, the concentrations of the analyte in both the sample and the duplicate were less than two times the reporting limit of the instrument's calibration curve. Therefore, the percent difference observed may not suggest the data set has been negatively affected. All samples in the data set have been flagged "Pc" for m-/p-Xylenes to denote this failure.

## 6. Reporting Notes

All tubes used for this sampling period met the method criteria for number of uses; no tube exceeded 50 field uses.

PPSP-8-D-20251119 (tube ID C37460) was noted upon receipt that the tube is beginning to goose neck.

As specified in EPA Method 325B, the response factor of the daily continuing calibration standard was used to quantitate all field samples and blanks.

All samples were reported as amount in ng catch, and concentration in ug/m<sup>3</sup> and ppbv.

The results presented in this report are representative of the samples as provided to the laboratory. These analyses met the requirements of the TNI Standard. Any deviations from the requirements of the reference method or TNI Standard have been stated above.

Enthalpy Analytical, located at 800 Capitola Drive, Suite 1, Durham NC, 27713 is accredited by the Louisiana Department of Environmental Quality (LDEQ) for EPA Method 325B for all analytes included in this report under **Certificate Number 04010**.

# Results



# Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW405-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

## Summary

Sample Code	Tube ID	Benzene		Toluene		Ethylbenzene		m-/p-Xylenes		o-Xylene	
		(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag
PPSP-6-S-20251119	C55448	0.748		1.04			ND	0.582	J,Pc		ND
PPSP-5-S-20251119	C69586	0.643		1.16			ND	0.778	Pc	0.313	J
PPSP-4-S-20251119	C73556	0.647		1.09			ND	0.709	Pc	0.288	J
PPSP-3-S-20251119	C71524	0.628		1.01			ND	0.704	Pc		ND
PPSP-2-S-20251119	C60253	0.861		1.29			ND	0.856	Pc	0.335	J
PPSP-1-S-20251119	C61454	1.06		1.37			ND	0.931	Pc	0.378	J
PPSP-1-B-20251119	C43265		ND		ND		ND		ND,Pc		ND
PPSP-13-S-20251119	C71610	0.841		1.34			ND	0.809	Pc		ND
PPSP-12-S-20251119	C43383	1.05		1.65			ND	1.02	Pc	0.385	J
PPSP-11-S-20251119	C70076	1.42		2.12		0.285	J	1.23	Pc	0.443	J
PPSP-10-S-20251119	C73557	1.28		2.21		0.331	J	1.41	Pc	0.458	J
PPSP-9-S-20251119	C57513	1.13		1.86		0.317	J	1.29	Pc	0.444	J
PPSP-8-S-20251119	C61567	0.660		1.08			ND	0.712	Pc	0.300	J
PPSP-8-D-20251119	C37460	0.668		1.01			ND	0.394	J,Pc		ND
PPSP-7-S-20251119	C71673	0.651		1.10			ND	0.628	J,Pc		ND

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit

ND: The analyte was not present above the Method Detection Limit

Pc: Field duplicate(s) exceed 30%RPD. Concentrations of both samples in duplicate are near the reporting limit

# Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW405-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

## Benzene

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20251119	C55448	0.748	0.234	9.70	35.3	0.643	20165	0.193	0.456	0.0603	0.143		K2506127.D	2025-12-11 15:02	1.071	8.165	77392	406710	54.6	8.110	-3.4%
PPSP-5-S-20251119	C69586	0.643	0.201	8.34	35.3	0.643	20170	0.193	0.456	0.0603	0.143		K2506128.D	2025-12-11 15:29	1.071	8.165	65149	398050	54.6	8.110	-5.5%
PPSP-4-S-20251119	C73556	0.647	0.203	8.40	35.3	0.643	20170	0.193	0.456	0.0603	0.143		K2506129.D	2025-12-11 15:57	1.071	8.165	65217	395740	54.6	8.110	-6.0%
PPSP-3-S-20251119	C71524	0.628	0.197	8.15	35.3	0.643	20171	0.193	0.456	0.0603	0.143		K2506130.D	2025-12-11 16:24	1.071	8.165	64135	400855	54.6	8.110	-4.8%
PPSP-2-S-20251119	C60253	0.861	0.270	11.2	35.3	0.643	20172	0.193	0.456	0.0603	0.143		K2506131.D	2025-12-11 16:52	1.071	8.165	85086	388139	54.6	8.110	-7.8%
PPSP-1-S-20251119	C61454	1.06	0.331	13.7	35.3	0.643	20170	0.193	0.456	0.0603	0.143		K2506132.D	2025-12-11 17:19	1.071	8.165	105868	393199	54.6	8.110	-6.6%
PPSP-1-B-20251119	C43265				35.3	0.643	20170	0.193	0.456	0.0603	0.143	ND	K2506126.D	2025-12-11 14:34	1.071	8.165	2667	404952	54.6	8.110	-3.8%
PPSP-13-S-20251119	C71610	0.841	0.263	10.9	35.3	0.643	20172	0.193	0.456	0.0603	0.143		K2506196.D	2025-12-13 12:12	1.181	8.165	88448	374957	54.6	8.110	0.3%
PPSP-12-S-20251119	C43383	1.05	0.329	13.6	35.3	0.643	20174	0.193	0.456	0.0603	0.143		K2506134.D	2025-12-11 18:11	1.071	8.165	103212	385539	54.6	8.110	-8.4%
PPSP-11-S-20251119	C70076	1.42	0.445	18.4	35.3	0.643	20176	0.193	0.456	0.0603	0.143		K2506135.D	2025-12-11 18:39	1.071	8.165	139463	385641	54.6	8.110	-8.4%
PPSP-10-S-20251119	C73557	1.28	0.402	16.7	35.3	0.643	20176	0.193	0.456	0.0603	0.143		K2506136.D	2025-12-11 19:06	1.071	8.165	123397	377476	54.6	8.110	-10.4%
PPSP-9-S-20251119	C57513	1.13	0.355	14.7	35.3	0.643	20178	0.193	0.456	0.0603	0.143		K2506138.D	2025-12-11 20:01	1.071	8.165	109552	379098	54.6	8.110	-10.0%
PPSP-8-S-20251119	C61567	0.660	0.207	8.56	35.3	0.643	20180	0.193	0.456	0.0603	0.143		K2506139.D	2025-12-11 20:29	1.071	8.171	63610	378613	54.6	8.110	-10.1%
PPSP-8-D-20251119	C37460	0.668	0.209	8.68	35.3	0.643	20180	0.193	0.456	0.0603	0.143		K2506140.D	2025-12-11 20:56	1.071	8.165	63048	370368	54.6	8.109	-12.0%
PPSP-7-S-20251119	C71673	0.651	0.204	8.46	35.3	0.643	20181	0.193	0.456	0.0603	0.143		K2506141.D	2025-12-11 21:24	1.071	8.165	61843	372657	54.6	8.110	-11.5%

## Toluene

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20251119	C55448	1.04	0.275	10.4	35.3	0.499	20165	0.248	0.516	0.0659	0.137		K2506127.D	2025-12-11 15:02	1.170	10.887	86153	455122	64.4	10.789	-5.2%
PPSP-5-S-20251119	C69586	1.16	0.309	11.7	35.3	0.499	20170	0.248	0.516	0.0659	0.137		K2506128.D	2025-12-11 15:29	1.170	10.881	95517	449231	64.4	10.789	-6.4%
PPSP-4-S-20251119	C73556	1.09	0.290	11.0	35.3	0.499	20170	0.248	0.516	0.0659	0.137		K2506129.D	2025-12-11 15:57	1.170	10.881	91574	458626	64.4	10.789	-4.4%
PPSP-3-S-20251119	C71524	1.01	0.268	10.1	35.3	0.499	20171	0.248	0.516	0.0659	0.137		K2506130.D	2025-12-11 16:24	1.170	10.881	82382	446951	64.4	10.789	-6.9%
PPSP-2-S-20251119	C60253	1.29	0.342	13.0	35.3	0.499	20172	0.248	0.516	0.0659	0.137		K2506131.D	2025-12-11 16:52	1.170	10.881	102887	436741	64.4	10.789	-9.0%
PPSP-1-S-20251119	C61454	1.37	0.364	13.8	35.3	0.499	20170	0.248	0.516	0.0659	0.137		K2506132.D	2025-12-11 17:19	1.170	10.881	110078	439498	64.4	10.789	-8.4%
PPSP-1-B-20251119	C43265				35.3	0.499	20170	0.248	0.516	0.0659	0.137	ND	K2506126.D	2025-12-11 14:34	1.170	10.887	3104	460868	64.4	10.789	-4.0%
PPSP-13-S-20251119	C71610	1.34	0.355	13.5	35.3	0.499	20172	0.248	0.516	0.0659	0.137		K2506196.D	2025-12-13 12:12	1.388	10.881	122700	423581	64.4	10.789	0.3%
PPSP-12-S-20251119	C43383	1.65	0.439	16.6	35.3	0.499	20174	0.248	0.516	0.0659	0.137		K2506134.D	2025-12-11 18:11	1.170	10.887	132418	438180	64.4	10.789	-8.7%
PPSP-11-S-20251119	C70076	2.12	0.563	21.4	35.3	0.499	20176	0.248	0.516	0.0659	0.137		K2506135.D	2025-12-11 18:39	1.170	10.887	167703	432083	64.4	10.789	-10.0%
PPSP-10-S-20251119	C73557	2.21	0.586	22.2	35.3	0.499	20176	0.248	0.516	0.0659	0.137		K2506136.D	2025-12-11 19:06	1.170	10.887	174307	431808	64.4	10.789	-10.0%
PPSP-9-S-20251119	C57513	1.86	0.493	18.7	35.3	0.499	20178	0.248	0.516	0.0659	0.137		K2506138.D	2025-12-11 20:01	1.170	10.881	147198	432836	64.4	10.789	-9.8%
PPSP-8-S-20251119	C61567	1.08	0.287	10.9	35.3	0.499	20180	0.248	0.516	0.0659	0.137		K2506139.D	2025-12-11 20:29	1.170	10.881	85202	430056	64.4	10.789	-10.4%
PPSP-8-D-20251119	C37460	1.01	0.268	10.2	35.3	0.499	20180	0.248	0.516	0.0659	0.137		K2506140.D	2025-12-11 20:56	1.170	10.887	77154	418343	64.4	10.789	-12.8%
PPSP-7-S-20251119	C71673	1.10	0.293	11.1	35.3	0.499	20181	0.248	0.516	0.0659	0.137		K2506141.D	2025-12-11 21:24	1.170	10.887	85951	425823	64.4	10.789	-11.3%

## Ethylbenzene

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20251119	C55448				35.3	0.442	20165	0.281	0.607	0.0647	0.140	ND	K2506127.D	2025-12-11 15:02	1.159	13.065	13183	455122	64.4	10.789	-5.2%
PPSP-5-S-20251119	C69586				35.3	0.442	20170	0.281	0.606	0.0647	0.140	ND	K2506128.D	2025-12-11 15:29	1.159	13.065	14974	449231	64.4	10.789	-6.4%
PPSP-4-S-20251119	C73556				35.3	0.442	20170	0.281	0.606	0.0647	0.140	ND	K2506129.D	2025-12-11 15:57	1.159	13.065	15012	458626	64.4	10.789	-4.4%

# Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW405-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

## Ethylbenzene

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-3-S-20251119	C71524				35.3	0.442	20171	0.281	0.606	0.0647	0.140	ND	K2506130.D	2025-12-11 16:24	1.159	13.065	14759	446951	64.4	10.789	-6.9%
PPSP-2-S-20251119	C60253				35.3	0.442	20172	0.281	0.606	0.0647	0.140	ND	K2506131.D	2025-12-11 16:52	1.159	13.059	15474	436741	64.4	10.789	-9.0%
PPSP-1-S-20251119	C61454				35.3	0.442	20170	0.281	0.606	0.0647	0.140	ND	K2506132.D	2025-12-11 17:19	1.159	13.065	16776	439498	64.4	10.789	-8.4%
PPSP-1-B-20251119	C43265				35.3	0.442	20170	0.281	0.606	0.0647	0.140	ND	K2506126.D	2025-12-11 14:34	1.159	13.059	0	460868	64.4	10.789	-4.0%
PPSP-13-S-20251119	C71610				35.3	0.442	20172	0.281	0.606	0.0647	0.140	ND	K2506196.D	2025-12-13 12:12	1.432	13.065	18125	423581	64.4	10.789	0.3%
PPSP-12-S-20251119	C43383				35.3	0.442	20174	0.281	0.606	0.0646	0.140	ND	K2506134.D	2025-12-11 18:11	1.159	13.065	17387	438180	64.4	10.789	-8.7%
PPSP-11-S-20251119	C70076	0.285	0.0657	2.54	35.3	0.442	20176	0.280	0.606	0.0646	0.140	J	K2506135.D	2025-12-11 18:39	1.159	13.065	19744	432083	64.4	10.789	-10.0%
PPSP-10-S-20251119	C73557	0.331	0.0762	2.95	35.3	0.442	20176	0.280	0.606	0.0646	0.140	J	K2506136.D	2025-12-11 19:06	1.159	13.065	22883	431808	64.4	10.789	-10.0%
PPSP-9-S-20251119	C57513	0.317	0.0730	2.82	35.3	0.442	20178	0.280	0.606	0.0646	0.140	J	K2506138.D	2025-12-11 20:01	1.159	13.065	21992	432836	64.4	10.789	-9.8%
PPSP-8-S-20251119	C61567				35.3	0.442	20180	0.280	0.606	0.0646	0.140	ND	K2506139.D	2025-12-11 20:29	1.159	13.065	14755	430056	64.4	10.789	-10.4%
PPSP-8-D-20251119	C37460				35.3	0.442	20180	0.280	0.606	0.0646	0.140	ND	K2506140.D	2025-12-11 20:56	1.159	13.065	12446	418343	64.4	10.789	-12.8%
PPSP-7-S-20251119	C71673				35.3	0.442	20181	0.280	0.606	0.0646	0.140	ND	K2506141.D	2025-12-11 21:24	1.159	13.065	12886	425823	64.4	10.789	-11.3%

## m-/p-Xylenes

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20251119	C55448	0.582	0.134	5.18	35.3	0.442	20165	0.281	0.680	0.0647	0.157	J,Pc	K2506127.D	2025-12-11 15:02	0.792	13.236	28998	455122	64.4	10.789	-5.2%
PPSP-5-S-20251119	C69586	0.778	0.179	6.93	35.3	0.442	20170	0.281	0.680	0.0647	0.157	Pc	K2506128.D	2025-12-11 15:29	0.792	13.236	38272	449231	64.4	10.789	-6.4%
PPSP-4-S-20251119	C73556	0.709	0.163	6.32	35.3	0.442	20170	0.281	0.680	0.0647	0.157	Pc	K2506129.D	2025-12-11 15:57	0.792	13.237	35604	458626	64.4	10.789	-4.4%
PPSP-3-S-20251119	C71524	0.704	0.162	6.27	35.3	0.442	20171	0.281	0.680	0.0647	0.157	Pc	K2506130.D	2025-12-11 16:24	0.792	13.236	34447	446951	64.4	10.789	-6.9%
PPSP-2-S-20251119	C60253	0.856	0.197	7.63	35.3	0.442	20172	0.281	0.680	0.0647	0.157	Pc	K2506131.D	2025-12-11 16:52	0.792	13.236	40932	436741	64.4	10.789	-9.0%
PPSP-1-S-20251119	C61454	0.931	0.215	8.30	35.3	0.442	20170	0.281	0.680	0.0647	0.157	Pc	K2506132.D	2025-12-11 17:19	0.792	13.242	44820	439498	64.4	10.789	-8.4%
PPSP-1-B-20251119	C43265				35.3	0.442	20170	0.281	0.680	0.0647	0.157	ND,Pc	K2506126.D	2025-12-11 14:34	0.792	13.236	0	460868	64.4	10.789	-4.0%
PPSP-13-S-20251119	C71610	0.809	0.186	7.21	35.3	0.442	20172	0.281	0.680	0.0647	0.157	Pc	K2506196.D	2025-12-13 12:12	1.037	13.242	49142	423581	64.4	10.789	0.3%
PPSP-12-S-20251119	C43383	1.02	0.236	9.13	35.3	0.442	20174	0.281	0.679	0.0646	0.157	Pc	K2506134.D	2025-12-11 18:11	0.792	13.236	49170	438180	64.4	10.789	-8.7%
PPSP-11-S-20251119	C70076	1.23	0.284	11.0	35.3	0.442	20176	0.280	0.679	0.0646	0.157	Pc	K2506135.D	2025-12-11 18:39	0.792	13.243	58245	432083	64.4	10.789	-10.0%
PPSP-10-S-20251119	C73557	1.41	0.325	12.6	35.3	0.442	20176	0.280	0.679	0.0646	0.157	Pc	K2506136.D	2025-12-11 19:06	0.792	13.236	66717	431808	64.4	10.789	-10.0%
PPSP-9-S-20251119	C57513	1.29	0.298	11.5	35.3	0.442	20178	0.280	0.679	0.0646	0.157	Pc	K2506138.D	2025-12-11 20:01	0.792	13.236	61273	432836	64.4	10.789	-9.8%
PPSP-8-S-20251119	C61567	0.712	0.164	6.35	35.3	0.442	20180	0.280	0.679	0.0646	0.157	Pc	K2506139.D	2025-12-11 20:29	0.792	13.242	33550	430056	64.4	10.789	-10.4%
PPSP-8-D-20251119	C37460	0.394	0.0909	3.52	35.3	0.442	20180	0.280	0.679	0.0646	0.157	J,Pc	K2506140.D	2025-12-11 20:56	0.792	13.236	18078	418343	64.4	10.789	-12.8%
PPSP-7-S-20251119	C71673	0.628	0.145	5.60	35.3	0.442	20181	0.280	0.679	0.0646	0.157	J,Pc	K2506141.D	2025-12-11 21:24	0.792	13.236	29282	425823	64.4	10.789	-11.3%

## o-Xylene

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20251119	C55448				35.3	0.442	20165	0.281	0.632	0.0647	0.146	ND	K2506127.D	2025-12-11 15:02	0.764	13.738	12093	455122	64.4	10.789	-5.2%
PPSP-5-S-20251119	C69586	0.313	0.0722	2.79	35.3	0.442	20170	0.281	0.632	0.0647	0.146	J	K2506128.D	2025-12-11 15:29	0.764	13.738	14869	449231	64.4	10.789	-6.4%
PPSP-4-S-20251119	C73556	0.288	0.0663	2.56	35.3	0.442	20170	0.281	0.632	0.0647	0.146	J	K2506129.D	2025-12-11 15:57	0.764	13.738	13951	458626	64.4	10.789	-4.4%
PPSP-3-S-20251119	C71524				35.3	0.442	20171	0.281	0.632	0.0647	0.146	ND	K2506130.D	2025-12-11 16:24	0.764	13.738	12889	446951	64.4	10.789	-6.9%
PPSP-2-S-20251119	C60253	0.335	0.0772	2.98	35.3	0.442	20172	0.281	0.632	0.0647	0.146	J	K2506131.D	2025-12-11 16:52	0.764	13.738	15455	436741	64.4	10.789	-9.0%
PPSP-1-S-20251119	C61454	0.378	0.0871	3.37	35.3	0.442	20170	0.281	0.632	0.0647	0.146	J	K2506132.D	2025-12-11 17:19	0.764	13.738	17548	439498	64.4	10.789	-8.4%

# Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW405-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

## o-Xylene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-1-B-20251119	C43265				35.3	0.442	20170	0.281	0.632	0.0647	0.146	ND	K2506126.D	2025-12-11 14:34	0.764	13.756	0	460868	64.4	10.789	-4.0%
PPSP-13-S-20251119	C71610				35.3	0.442	20172	0.281	0.632	0.0647	0.146	ND	K2506196.D	2025-12-13 12:12	1.064	13.738	16509	423581	64.4	10.789	0.3%
PPSP-12-S-20251119	C43383	0.385	0.0888	3.43	35.3	0.442	20174	0.281	0.632	0.0646	0.146	J	K2506134.D	2025-12-11 18:11	0.764	13.738	17851	438180	64.4	10.789	-8.7%
PPSP-11-S-20251119	C70076	0.443	0.102	3.95	35.3	0.442	20176	0.280	0.632	0.0646	0.146	J	K2506135.D	2025-12-11 18:39	0.764	13.738	20252	432083	64.4	10.789	-10.0%
PPSP-10-S-20251119	C73557	0.458	0.105	4.08	35.3	0.442	20176	0.280	0.632	0.0646	0.146	J	K2506136.D	2025-12-11 19:06	0.764	13.738	20891	431808	64.4	10.789	-10.0%
PPSP-9-S-20251119	C57513	0.444	0.102	3.95	35.3	0.442	20178	0.280	0.632	0.0646	0.146	J	K2506138.D	2025-12-11 20:01	0.764	13.738	20298	432836	64.4	10.789	-9.8%
PPSP-8-S-20251119	C61567	0.300	0.0690	2.67	35.3	0.442	20180	0.280	0.632	0.0646	0.146	J	K2506139.D	2025-12-11 20:29	0.764	13.738	13625	430056	64.4	10.789	-10.4%
PPSP-8-D-20251119	C37460				35.3	0.442	20180	0.280	0.632	0.0646	0.146	ND	K2506140.D	2025-12-11 20:56	0.764	13.738	6040	418343	64.4	10.789	-12.8%
PPSP-7-S-20251119	C71673				35.3	0.442	20181	0.280	0.632	0.0646	0.146	ND	K2506141.D	2025-12-11 21:24	0.764	13.738	11504	425823	64.4	10.789	-11.3%

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit

ND: The analyte was not present above the Method Detection Limit

Pc: Field duplicate(s) exceed 30%RPD. Concentrations of both samples in duplicate are near the reporting limit

# QC Data



## Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW405-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

### QC Samples

Field Sample Type	Sample Code	Benzene		Toluene		Ethylbenzene		m-/p-Xylenes		o-Xylene	
Blanks (ug/m <sup>3</sup> )	PPSP-1-B-20251119	ND	Pass	ND	Pass	ND	Pass	ND	Pass	ND	Pass
Duplicates (difference)	PPSP-8-D-20251119	1.3%	Pass	7.2%	Pass	ND	Pass	57%	Fail	ND	Pass

## Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW405-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

### Benzene Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	K2506124.D	C69752	Cal	1.071		1.071	-2.9%	-4.2%		Pass	
2025FW405 Method Blank-1	K2506125.D	C71635	Blank			1.071			-1.0%	Pass	ND
M325B CCV 5	K2506137.D	C55757	Check	1.076		1.071	-2.4%		-10%	Pass	
M325B CCV 5	K2506142.D	B50580	Check	1.098		1.071	-0.44%		-11%	Pass	
M325B CCV 5	K2506195.D	C00722	Cal	1.181		1.181	7.1%	-15%	-11%	Pass	
M325B CCV 5	K2506198.D	C32999	Check	1.164		1.181	5.5%		-1.1%	Pass	

### Toluene Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	K2506124.D	C69752	Cal	1.170		1.170	-17%	-4.0%		Pass	
2025FW405 Method Blank-1	K2506125.D	C71635	Blank			1.170			-1.9%	Pass	ND
M325B CCV 5	K2506137.D	C55757	Check	1.246		1.170	-12%		-10%	Pass	
M325B CCV 5	K2506142.D	B50580	Check	1.301		1.170	-8.1%		-12%	Pass	
M325B CCV 5	K2506195.D	C00722	Cal	1.388		1.388	-2.0%	-16%	-12%	Pass	
M325B CCV 5	K2506198.D	C32999	Check	1.349		1.388	-4.7%		-1.8%	Pass	

### Ethylbenzene Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	K2506124.D	C69752	Cal	1.159		1.159	-5.2%	-4.0%		Pass	
2025FW405 Method Blank-1	K2506125.D	C71635	Blank			1.159			-1.9%	Pass	ND
M325B CCV 5	K2506137.D	C55757	Check	1.369		1.159	12%		-10%	Pass	
M325B CCV 5	K2506142.D	B50580	Check	1.396		1.159	14%		-12%	Pass	
M325B CCV 5	K2506195.D	C00722	Cal	1.432		1.432	17%	-16%	-12%	Pass	
M325B CCV 5	K2506198.D	C32999	Check	1.388		1.432	14%		-1.8%	Pass	

### m-/p-Xylenes Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	K2506124.D	C69752	Cal	0.792		0.792	-4.1%	-3.8%		Pass	
2025FW405 Method Blank-1	K2506125.D	C71635	Blank			0.792			-1.9%	Pass	ND
M325B CCV 5	K2506137.D	C55757	Check	1.069		0.792	29%		-10%	Pass	
M325B CCV 5	K2506142.D	B50580	Check	1.021		0.792	24%		-12%	Pass	
M325B CCV 5	K2506195.D	C00722	Cal	1.037		1.037	26%	-15%	-12%	Pass	
M325B CCV 5	K2506198.D	C32999	Check	1.036		1.037	25%		-1.8%	Pass	

# Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW405-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

## o-Xylene Calibration and Blanks

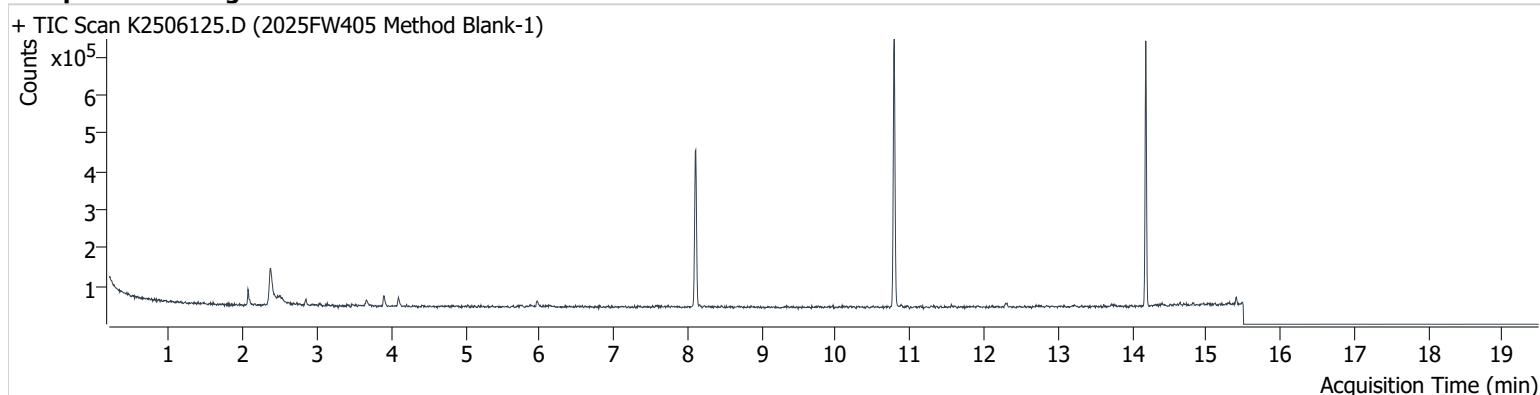
Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	K2506124.D	C69752	Cal	0.764		0.764	-12%	-4.0%		Pass	
2025FW405 Method Blank-1	K2506125.D	C71635	Blank			0.764			-1.9%	Pass	ND
M325B CCV 5	K2506137.D	C55757	Check	1.070		0.764	22%		-10%	Pass	
M325B CCV 5	K2506142.D	B50580	Check	1.041		0.764	19%		-12%	Pass	
M325B CCV 5	K2506195.D	C00722	Cal	1.064		1.064	22%	-16%	-12%	Pass	
M325B CCV 5	K2506198.D	C32999	Check	1.076		1.064	23%		-1.8%	Pass	

# Chromatograms



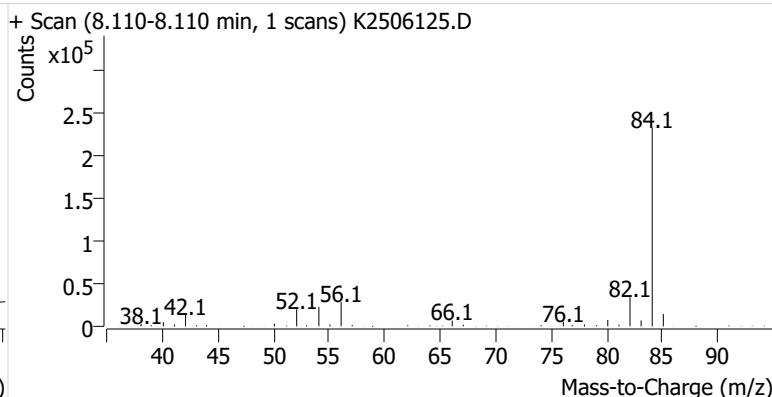
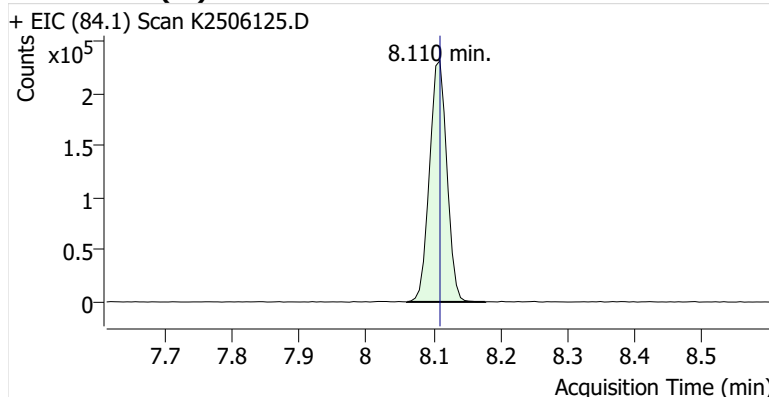
**Name** 2025FW405 Method Blank-1  
**Comment** C71635  
**Data File** K2506125.D  
**Acq. Date-Time** 12/11/2025 2:07:10 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

### Sample Chromatogram

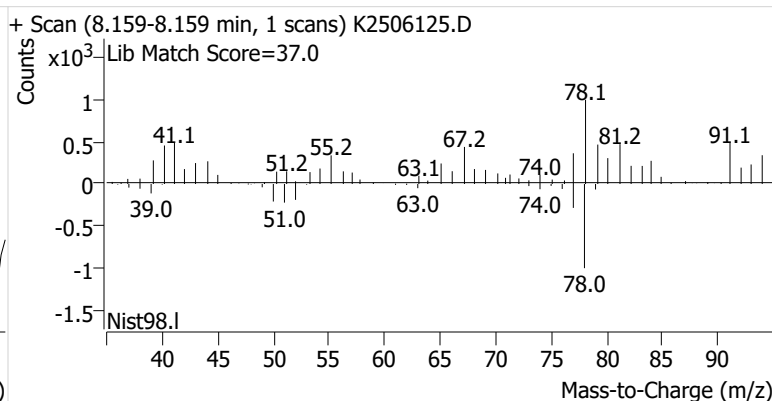
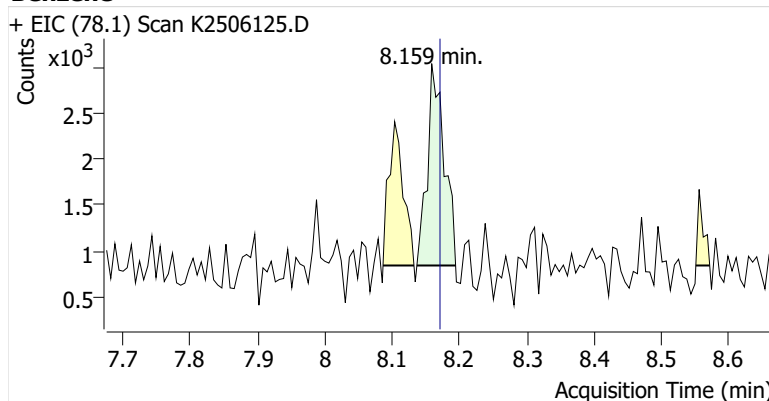


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.110	8.110	416,768	
Benzene	benzene-d6 (IS)	8.159	8.171	3,667	
Toluene-d8 (IS)		10.789	10.789	470,653	
Toluene	Toluene-d8 (IS)	10.893	10.887	3,215	
Ethylbenzene	Toluene-d8 (IS)	13.077	13.065	ND	m
m-/p-Xylenes	Toluene-d8 (IS)	13.163	13.243	ND	m
o-Xylene	Toluene-d8 (IS)	13.377	13.738	ND	m

### benzene-d6 (IS)

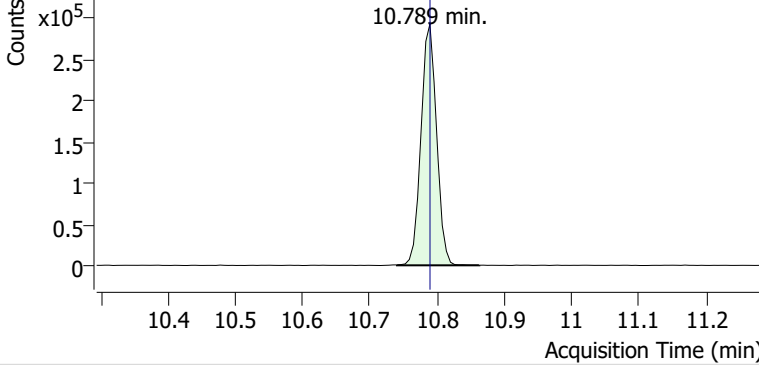


### Benzene

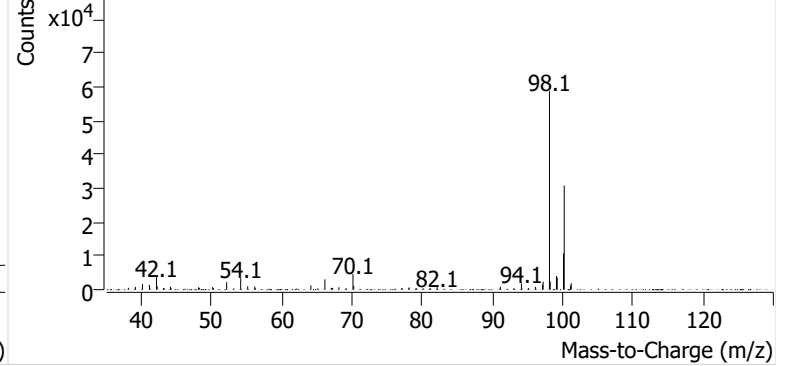


**Toluene-d8 (IS)**

+ EIC (98.1) Scan K2506125.D

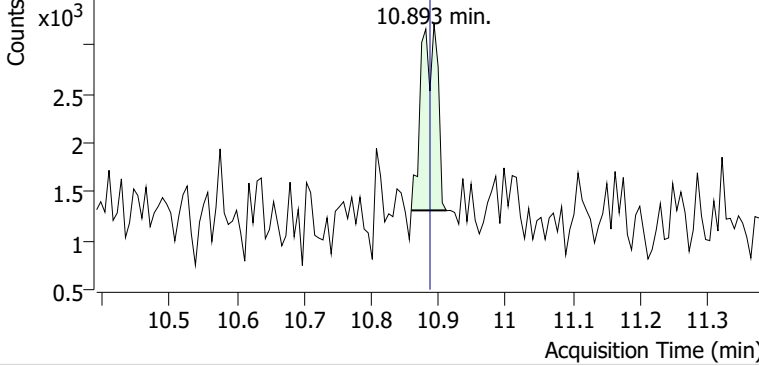


+ Scan (10.740-10.863 min, 21 scans) K2506125.D

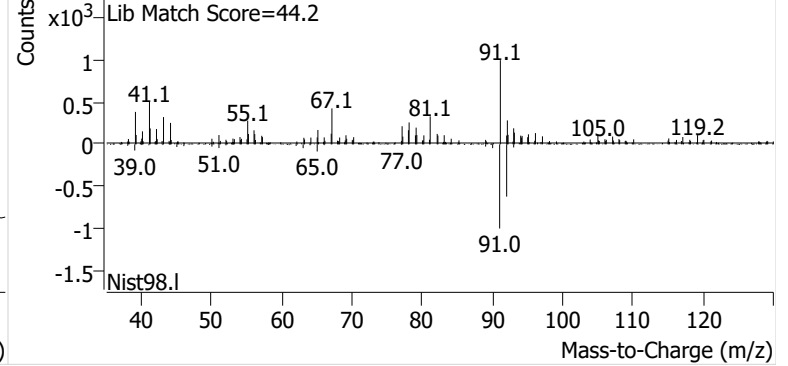


**Toluene**

+ EIC (91.1) Scan K2506125.D

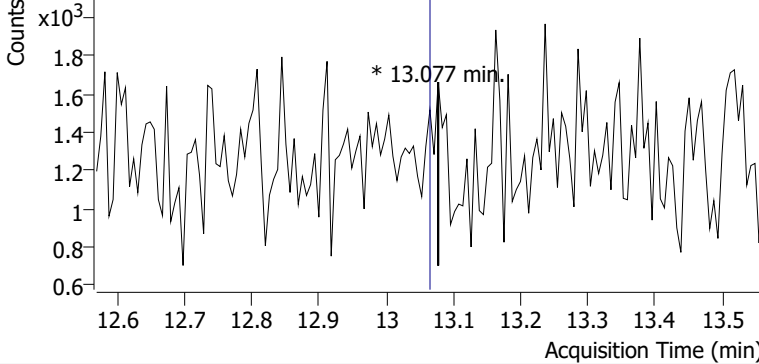


+ Scan (10.859-10.911 min, 8 scans) K2506125.D

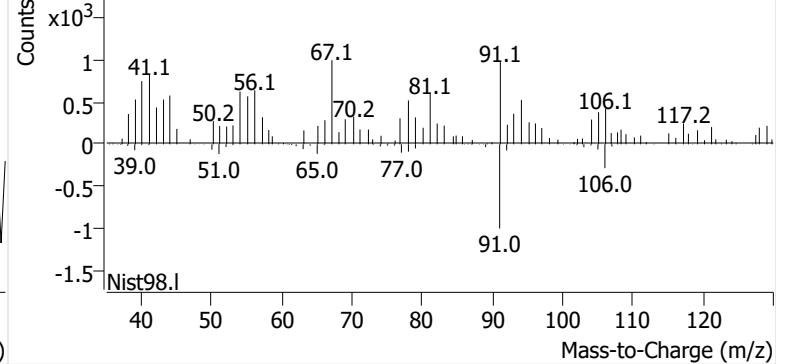


**Ethylbenzene**

+ EIC (91.1) Scan K2506125.D

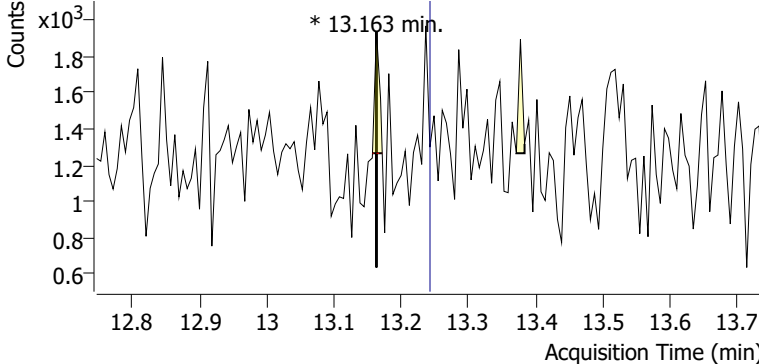


+ Scan (13.077-13.077 min, 1 scans) K2506125.D

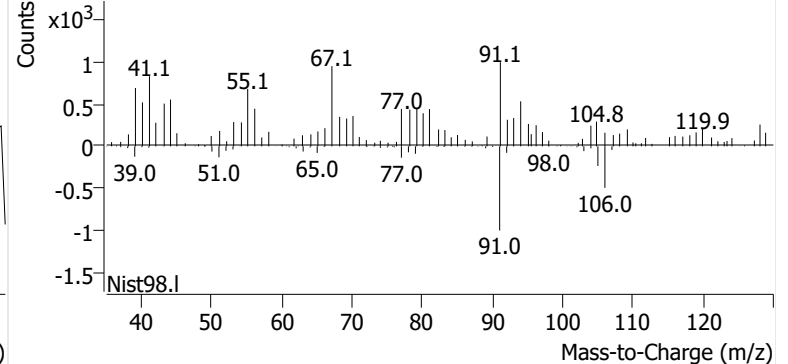


**m-/p-Xylenes**

+ EIC (91.1) Scan K2506125.D

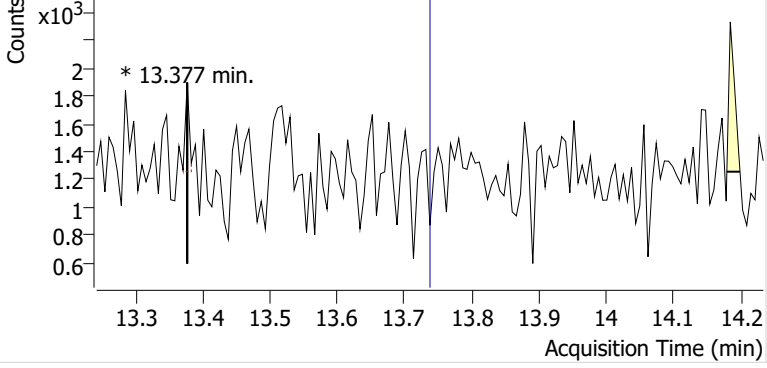


+ Scan (13.163-13.163 min, 1 scans) K2506125.D

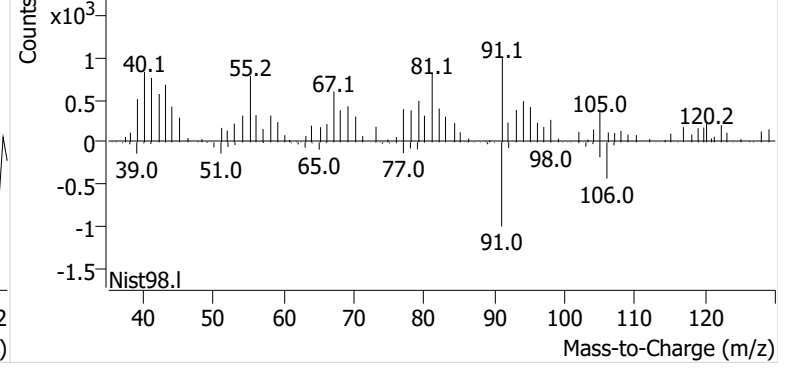


**o-Xylene**

+ EIC (91.1) Scan K2506125.D

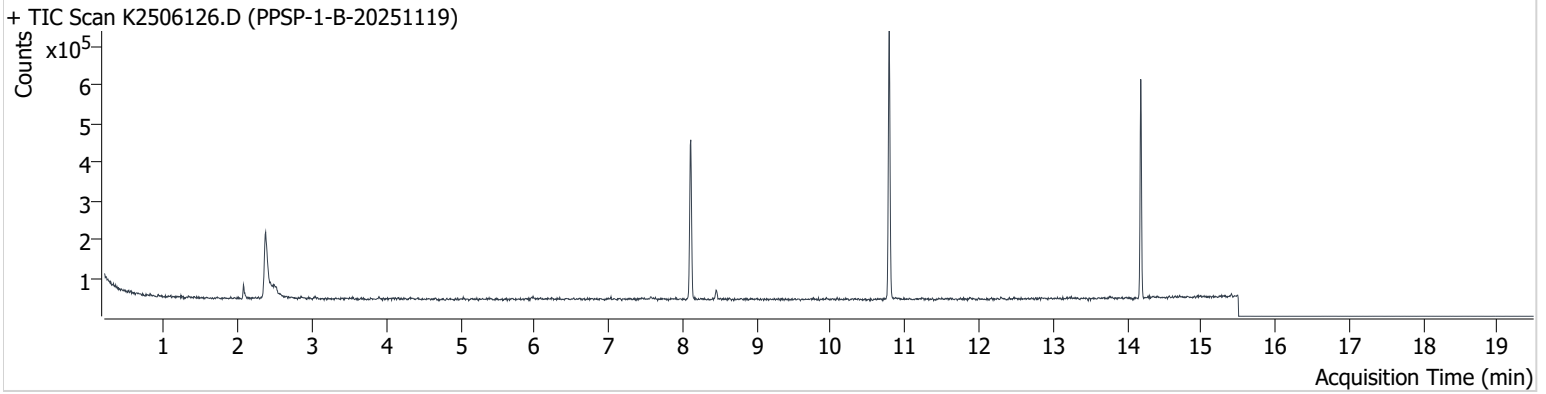


+ Scan (13.377-13.377 min, 1 scans) K2506125.D



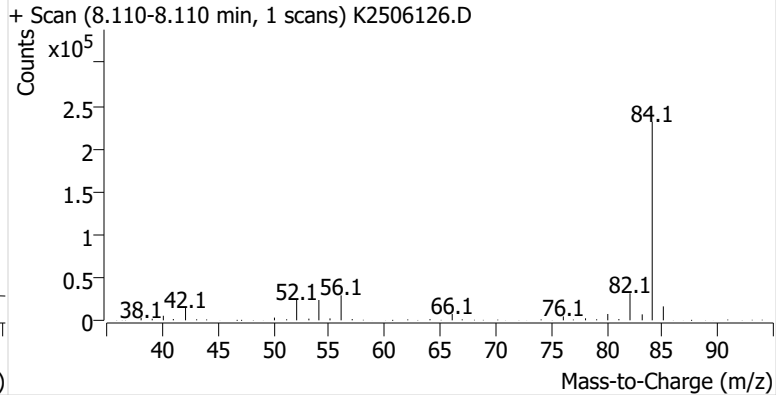
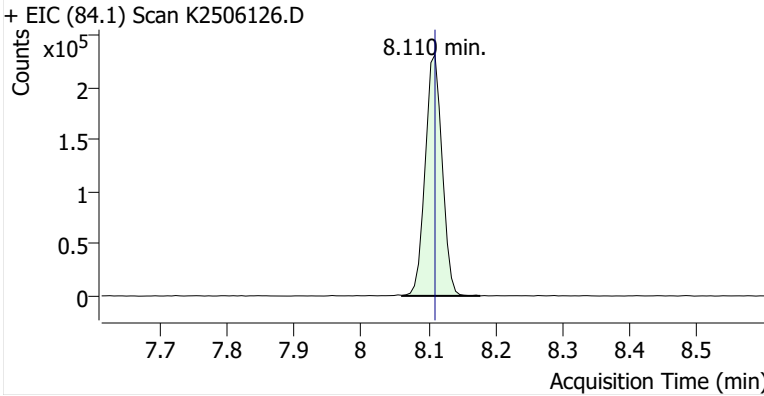
**Name** PPSP-1-B-20251119  
**Comment** C43265  
**Data File** K2506126.D  
**Acq. Date-Time** 12/11/2025 2:34:42 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

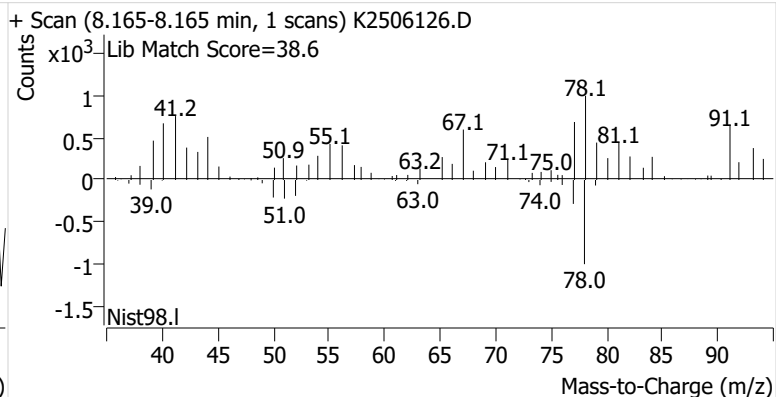
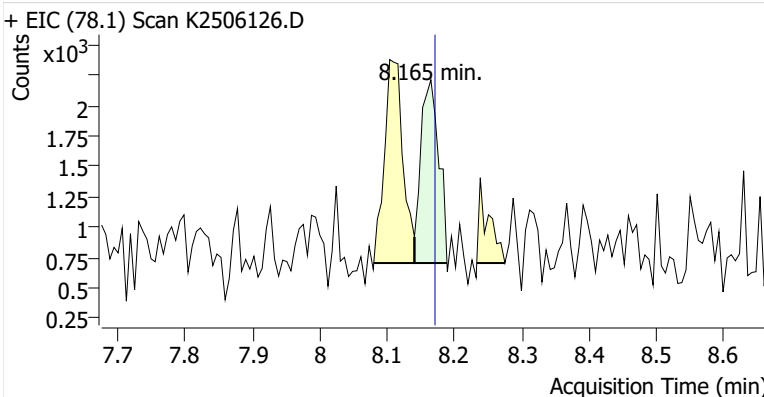


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.110	8.110	404,952	
Benzene	benzene-d6 (IS)	8.165	8.171	2,667	
Toluene-d8 (IS)		10.789	10.789	460,868	
Toluene	Toluene-d8 (IS)	10.887	10.887	3,104	
Ethylbenzene	Toluene-d8 (IS)	13.059	13.065	ND	m
m-/p-Xylenes	Toluene-d8 (IS)	13.236	13.243	ND	m
o-Xylene	Toluene-d8 (IS)	13.756	13.738	ND	m

**benzene-d6 (IS)**

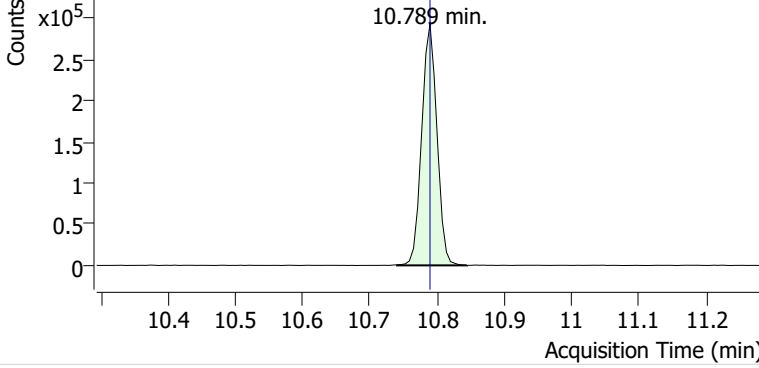


**Benzene**

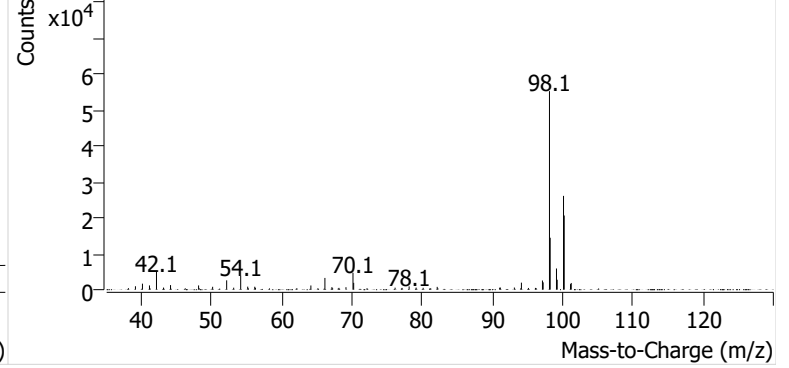


**Toluene-d8 (IS)**

+ EIC (98.1) Scan K2506126.D

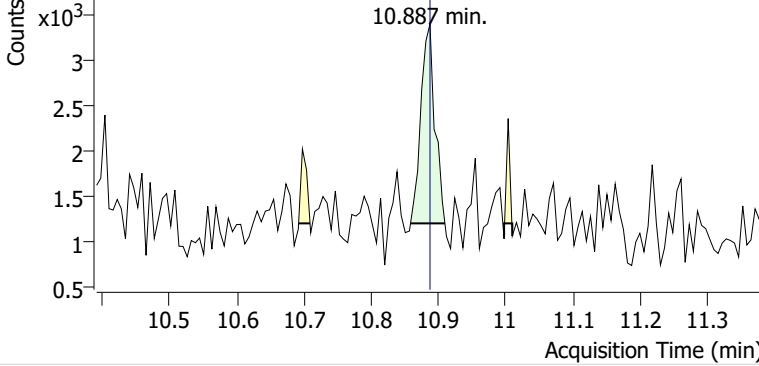


+ Scan (10.740-10.844 min, 18 scans) K2506126.D

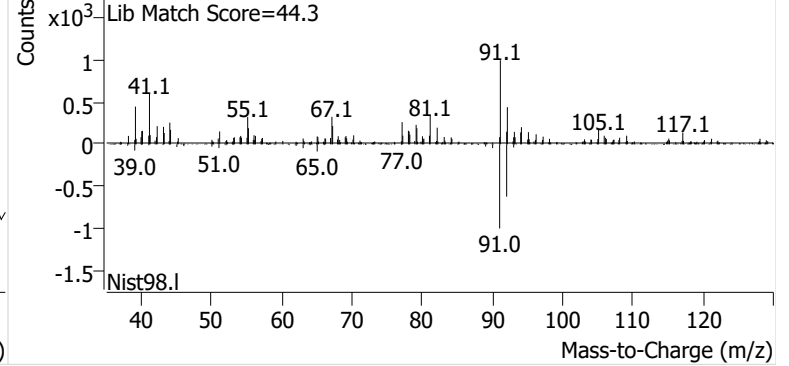


**Toluene**

+ EIC (91.1) Scan K2506126.D

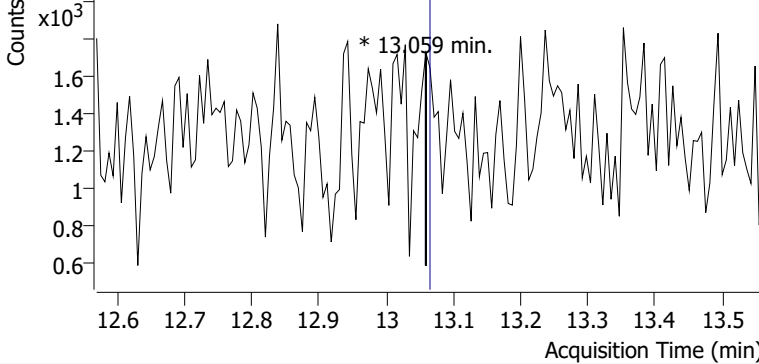


+ Scan (10.858-10.909 min, 8 scans) K2506126.D

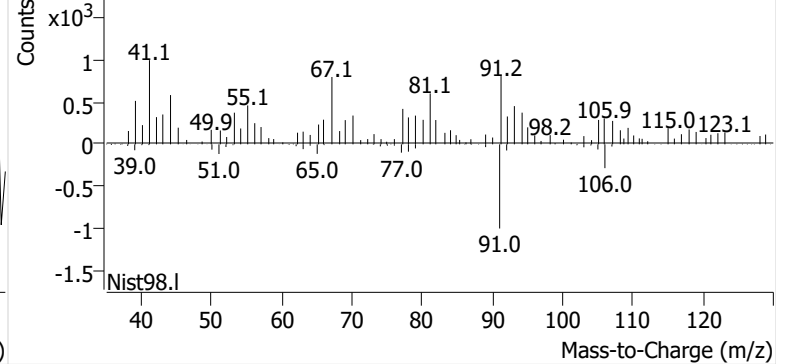


**Ethylbenzene**

+ EIC (91.1) Scan K2506126.D

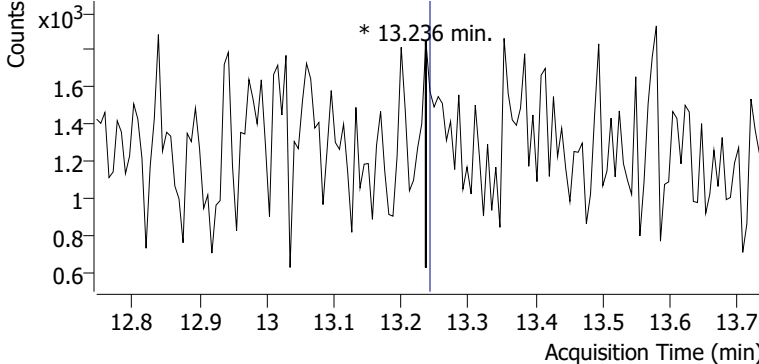


+ Scan (13.059-13.059 min, 1 scans) K2506126.D

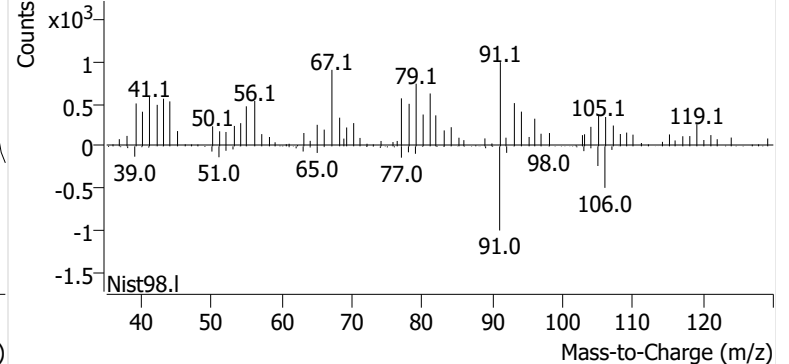


**m-/p-Xylenes**

+ EIC (91.1) Scan K2506126.D

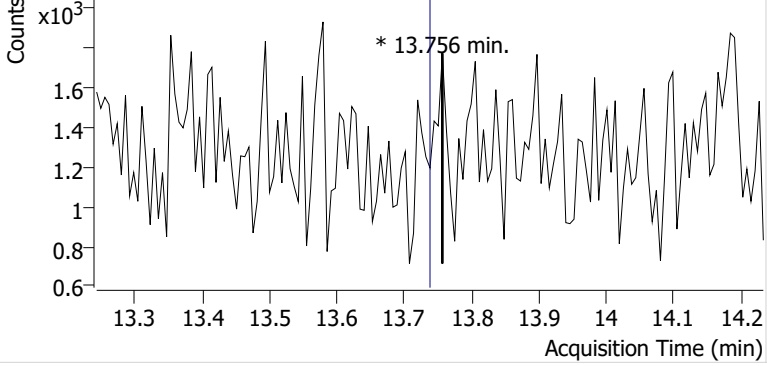


+ Scan (13.236-13.236 min, 1 scans) K2506126.D

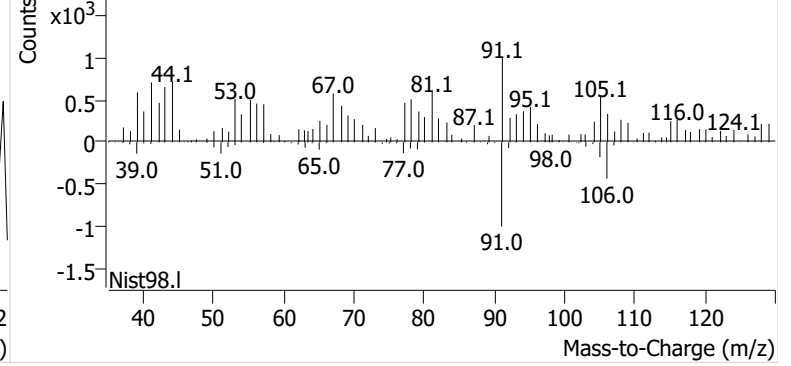


**o-Xylene**

+ EIC (91.1) Scan K2506126.D

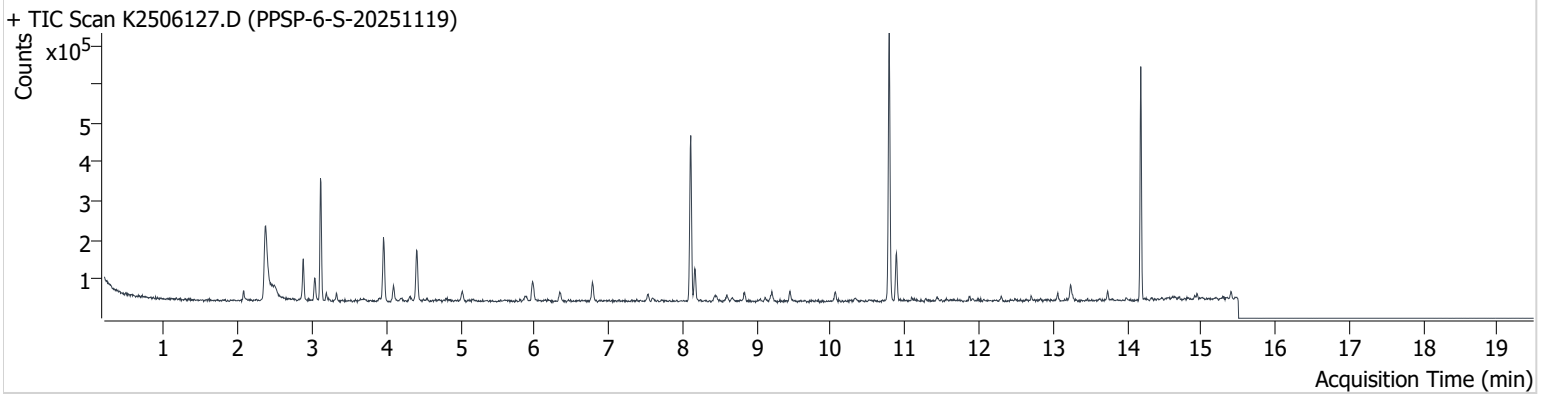


+ Scan (13.756-13.756 min, 1 scans) K2506126.D



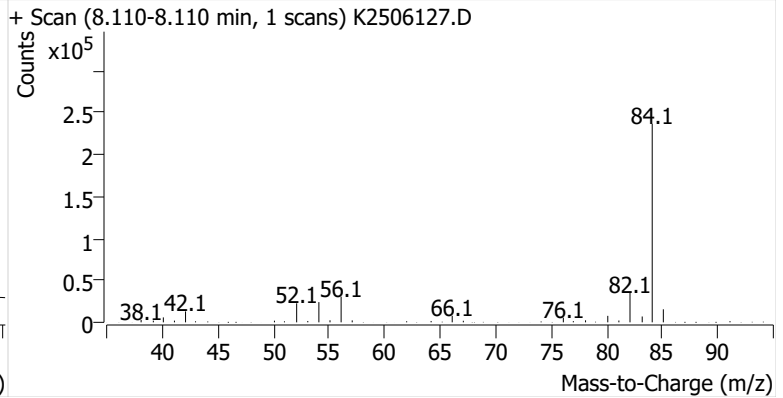
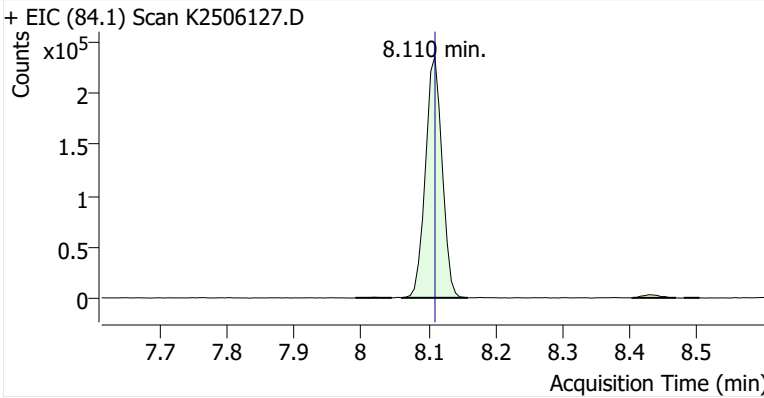
**Name** PPSP-6-S-20251119  
**Comment** C55448  
**Data File** K2506127.D  
**Acq. Date-Time** 12/11/2025 3:02:08 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

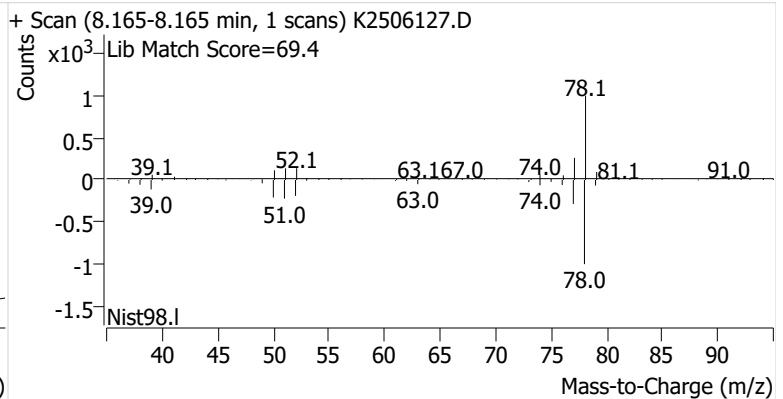
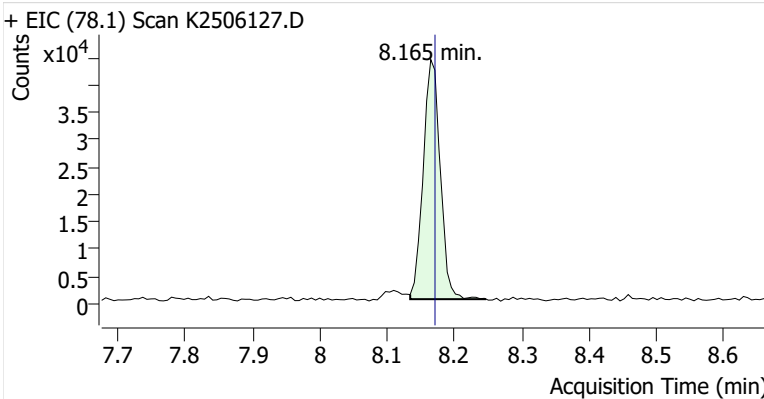


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.110	8.110	406,710	
Benzene	benzene-d6 (IS)	8.165	8.171	77,392	
Toluene-d8 (IS)		10.789	10.789	455,122	
Toluene	Toluene-d8 (IS)	10.887	10.887	86,153	
Ethylbenzene	Toluene-d8 (IS)	13.065	13.065	13,183	
m-/p-Xylenes	Toluene-d8 (IS)	13.236	13.243	28,998	
o-Xylene	Toluene-d8 (IS)	13.738	13.738	12,093	

**benzene-d6 (IS)**

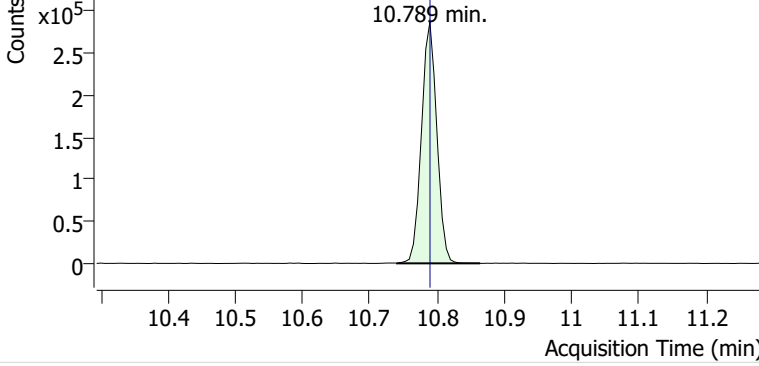


**Benzene**

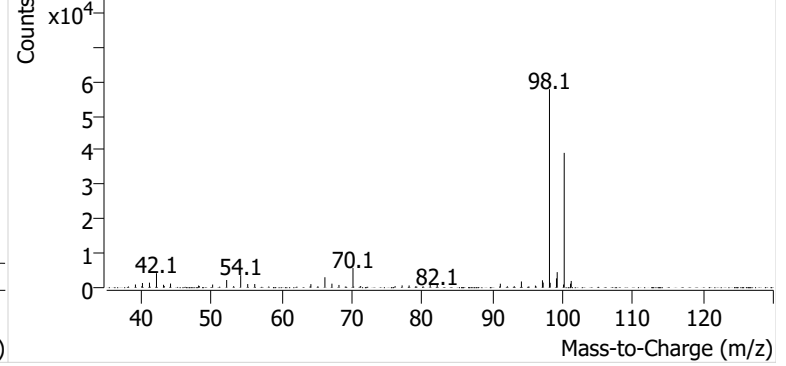


**Toluene-d8 (IS)**

+ EIC (98.1) Scan K2506127.D

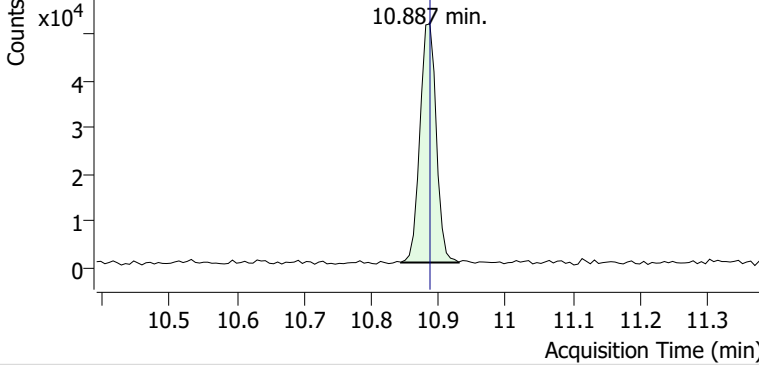


+ Scan (10.740-10.864 min, 21 scans) K2506127.D

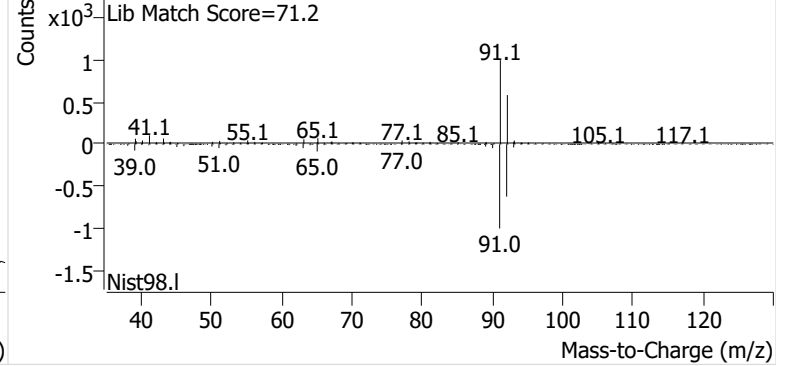


**Toluene**

+ EIC (91.1) Scan K2506127.D

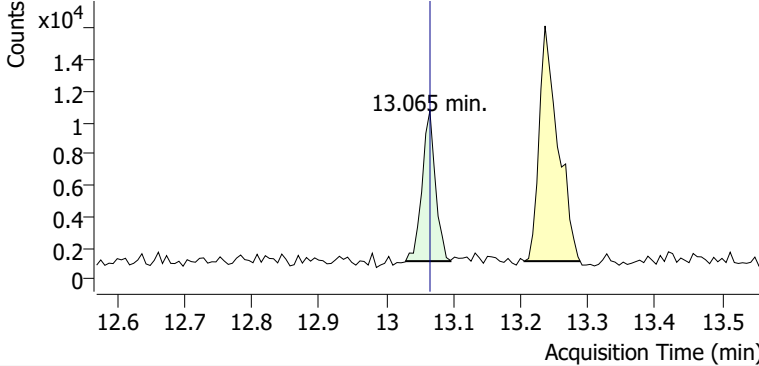


+ Scan (10.844-10.930 min, 15 scans) K2506127.D

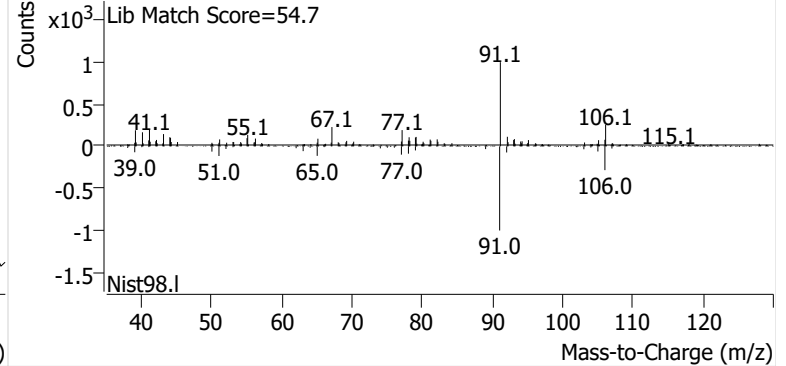


**Ethylbenzene**

+ EIC (91.1) Scan K2506127.D

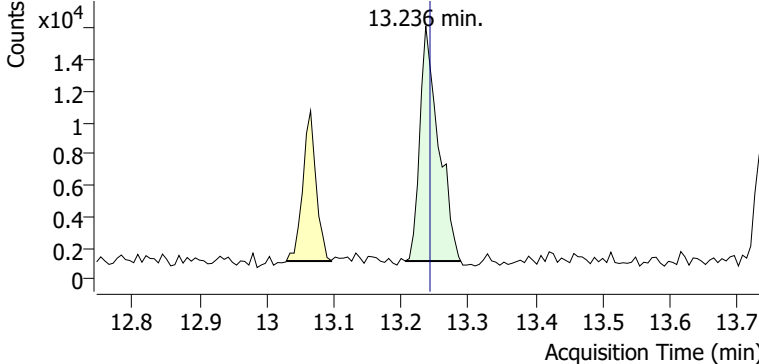


+ Scan (13.029-13.096 min, 11 scans) K2506127.D

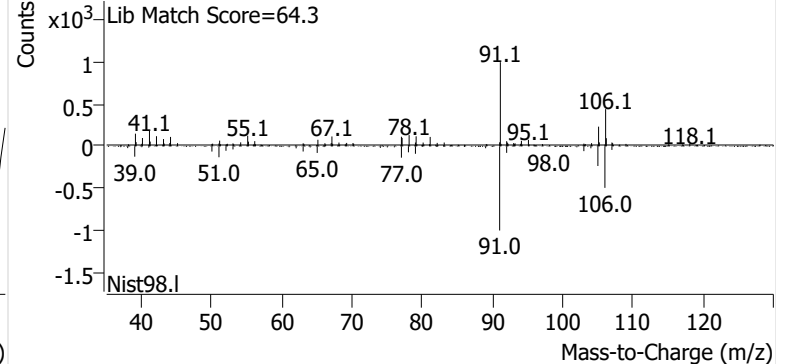


**m-/p-Xylenes**

+ EIC (91.1) Scan K2506127.D

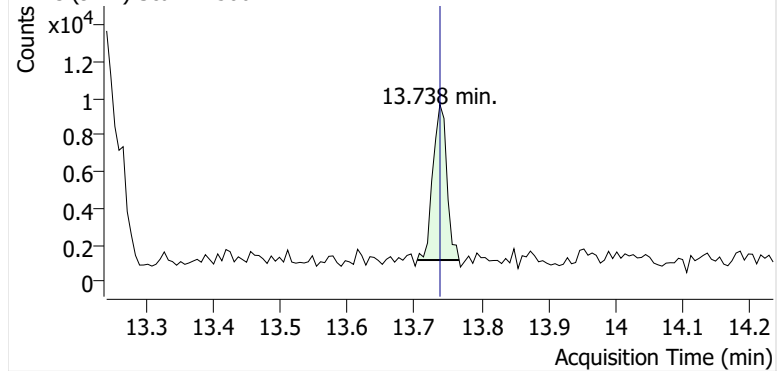


+ Scan (13.206-13.288 min, 13 scans) K2506127.D

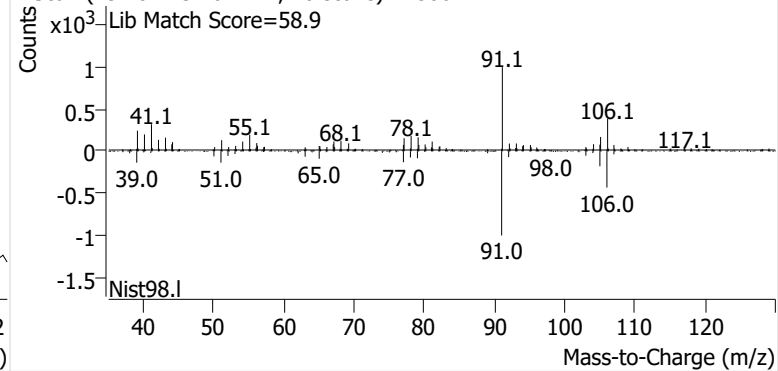


**o-Xylene**

+ EIC (91.1) Scan K2506127.D

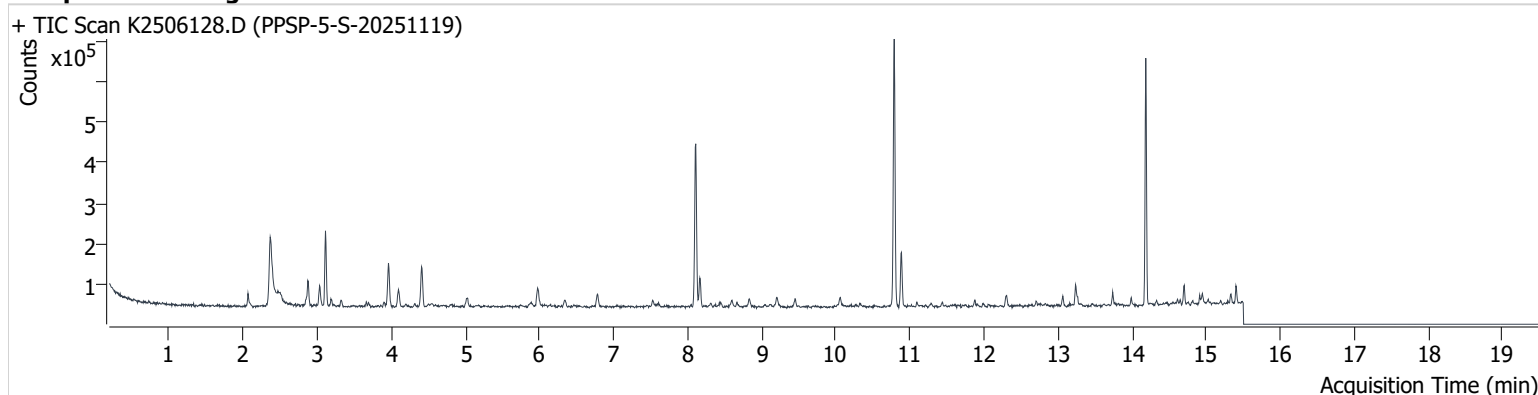


+ Scan (13.704-13.767 min, 10 scans) K2506127.D



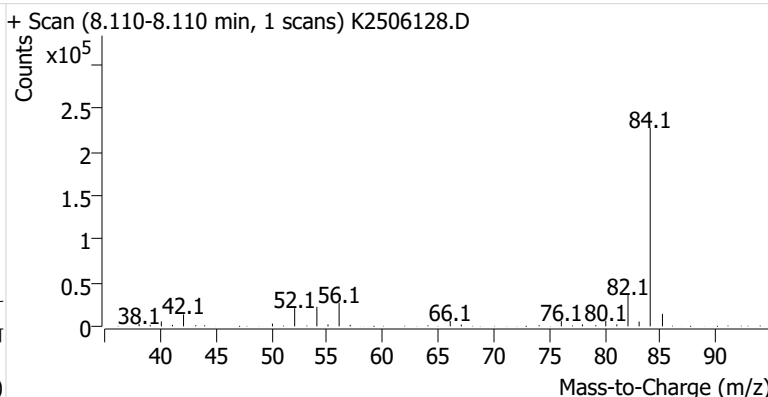
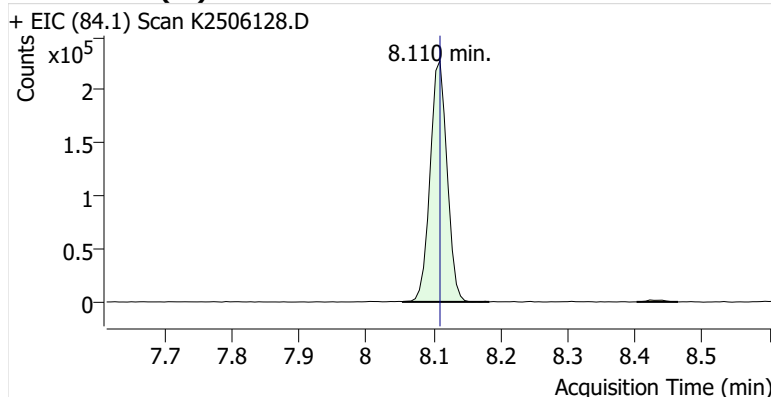
**Name** PPSP-5-S-20251119  
**Comment** C69586  
**Data File** K2506128.D  
**Acq. Date-Time** 12/11/2025 3:29:38 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

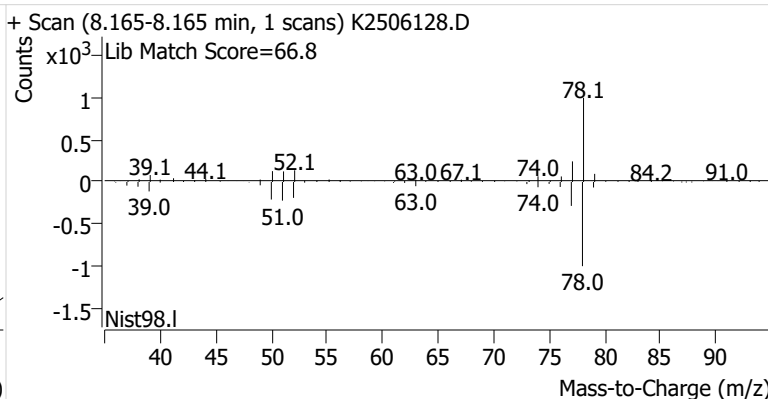
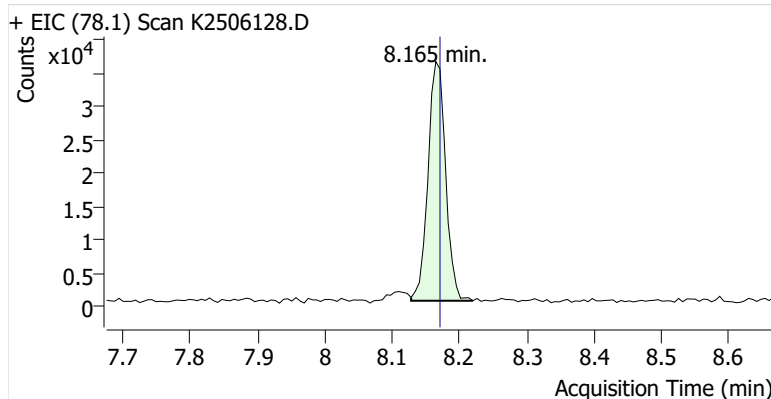


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.110	8.110	398,050	
Benzene	benzene-d6 (IS)	8.165	8.171	65,149	
Toluene-d8 (IS)		10.789	10.789	449,231	
Toluene	Toluene-d8 (IS)	10.881	10.887	95,517	
Ethylbenzene	Toluene-d8 (IS)	13.065	13.065	14,974	
m-/p-Xylenes	Toluene-d8 (IS)	13.236	13.243	38,272	
o-Xylene	Toluene-d8 (IS)	13.738	13.738	14,869	

**benzene-d6 (IS)**

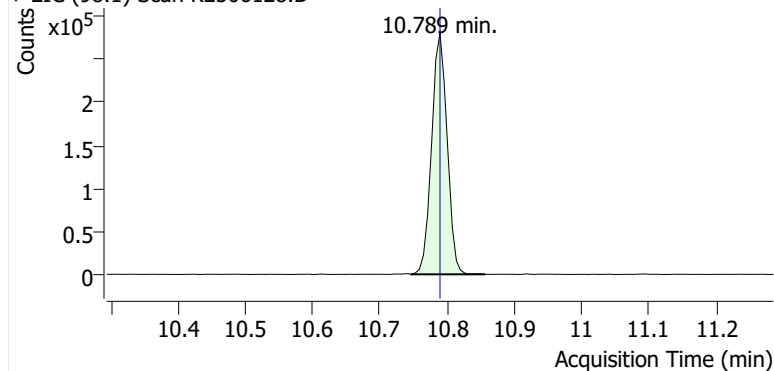


**Benzene**

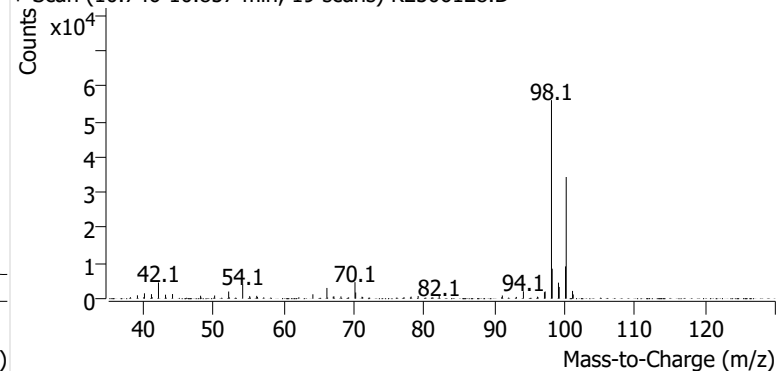


**Toluene-d8 (IS)**

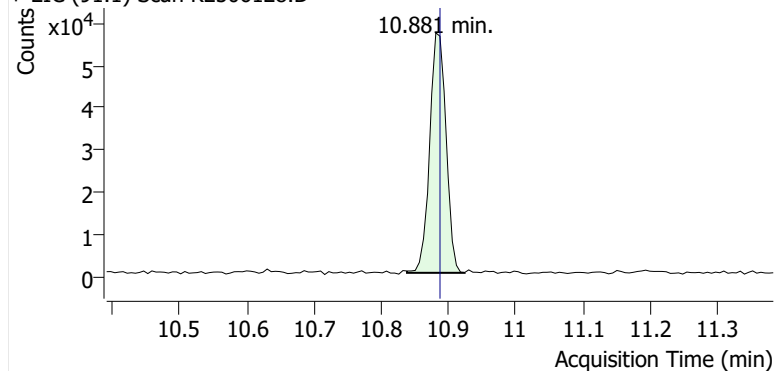
+ EIC (98.1) Scan K2506128.D



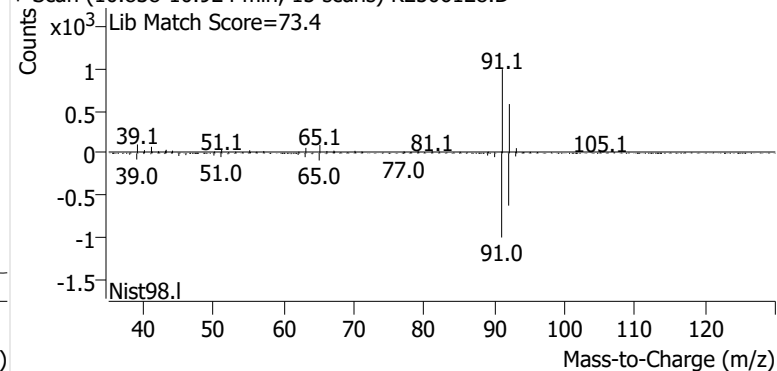
+ Scan (10.746-10.857 min, 19 scans) K2506128.D

**Toluene**

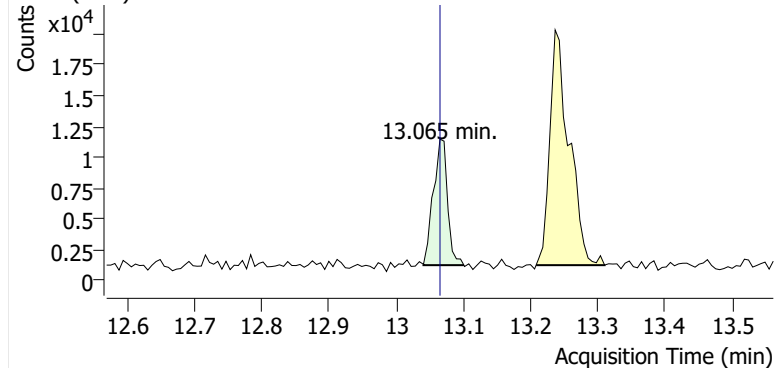
+ EIC (91.1) Scan K2506128.D



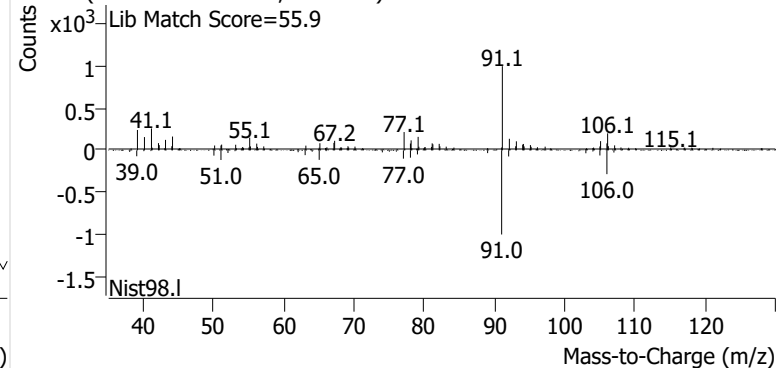
+ Scan (10.838-10.924 min, 15 scans) K2506128.D

**Ethylbenzene**

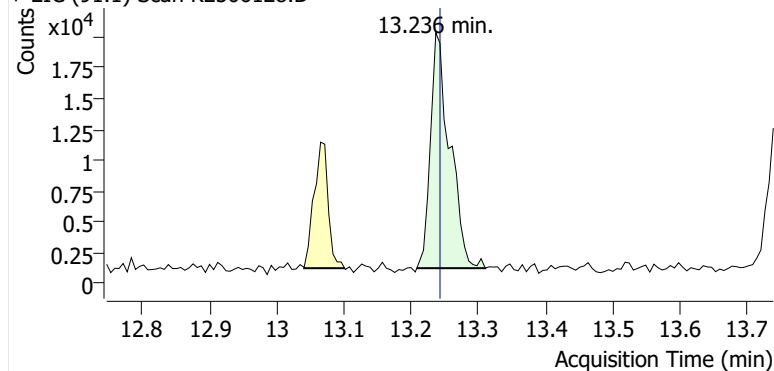
+ EIC (91.1) Scan K2506128.D



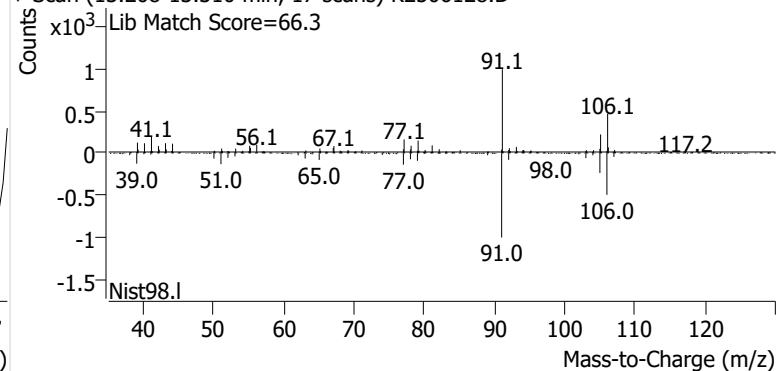
+ Scan (13.041-13.101 min, 10 scans) K2506128.D

**m-/p-Xylenes**

+ EIC (91.1) Scan K2506128.D

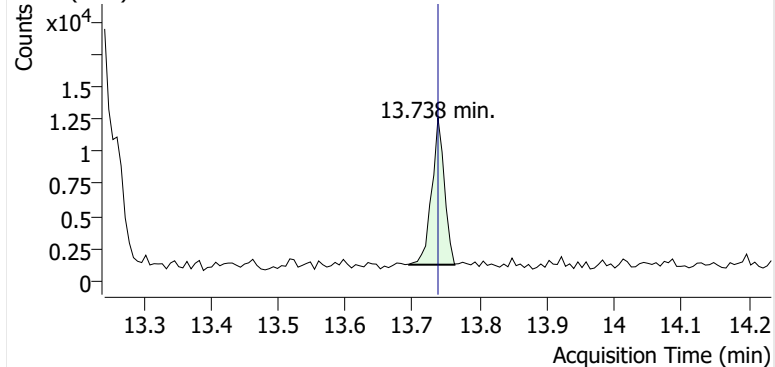


+ Scan (13.208-13.310 min, 17 scans) K2506128.D

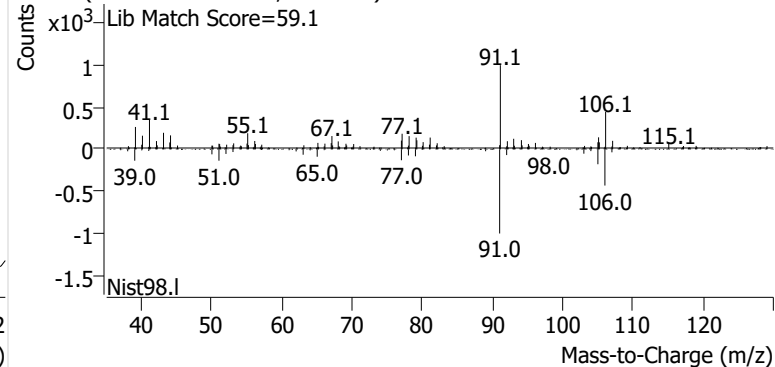


**o-Xylene**

+ EIC (91.1) Scan K2506128.D

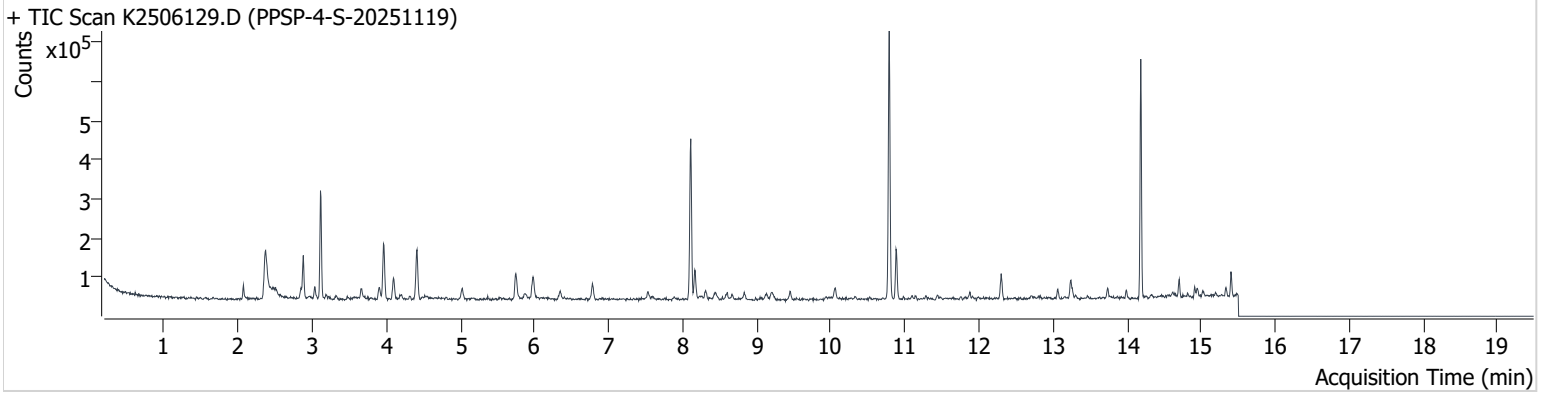


+ Scan (13.695-13.762 min, 12 scans) K2506128.D



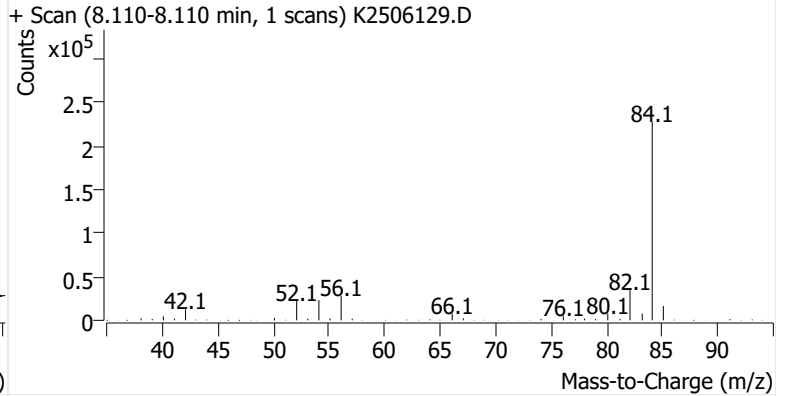
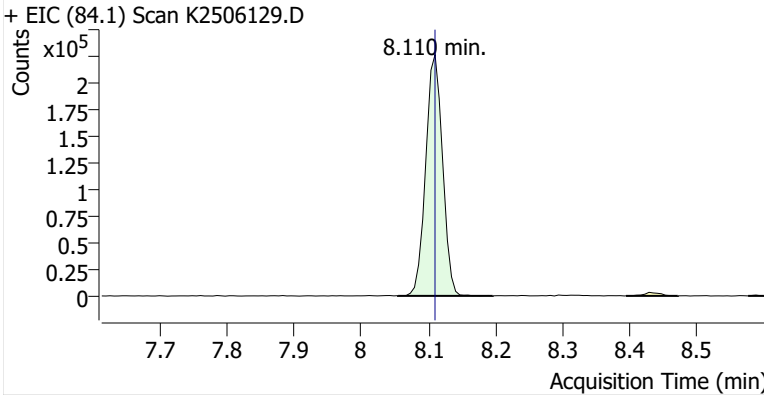
**Name** PPSP-4-S-20251119  
**Comment** C73556  
**Data File** K2506129.D  
**Acq. Date-Time** 12/11/2025 3:57:06 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

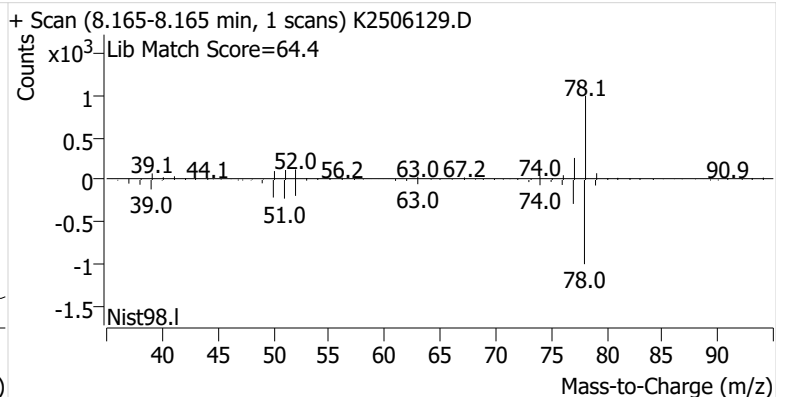
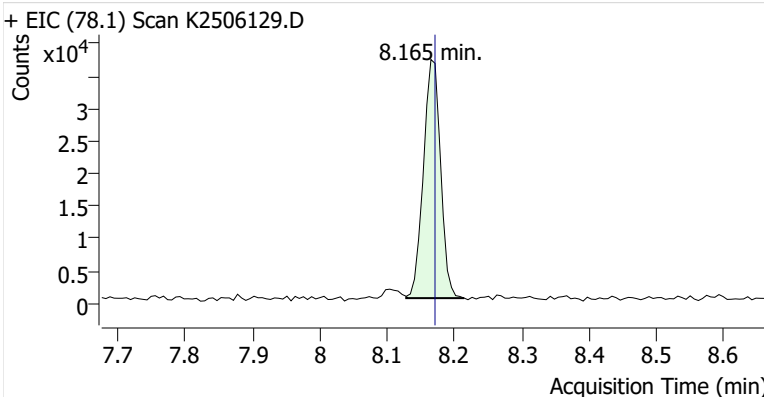


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.110	8.110	395,740	
Benzene	benzene-d6 (IS)	8.165	8.171	65,217	
Toluene-d8 (IS)		10.789	10.789	458,626	
Toluene	Toluene-d8 (IS)	10.881	10.887	91,574	
Ethylbenzene	Toluene-d8 (IS)	13.065	13.065	15,012	
m-/p-Xylenes	Toluene-d8 (IS)	13.237	13.243	35,604	
o-Xylene	Toluene-d8 (IS)	13.738	13.738	13,951	

**benzene-d6 (IS)**

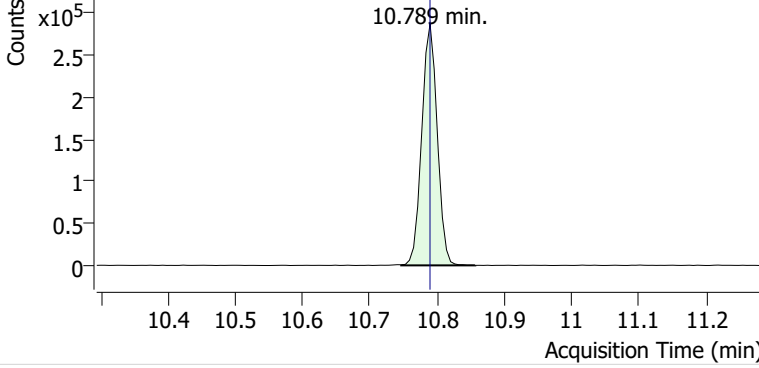


**Benzene**

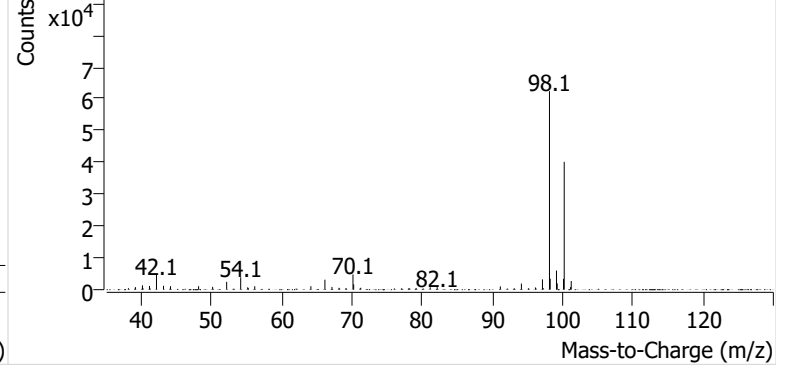


**Toluene-d8 (IS)**

+ EIC (98.1) Scan K2506129.D

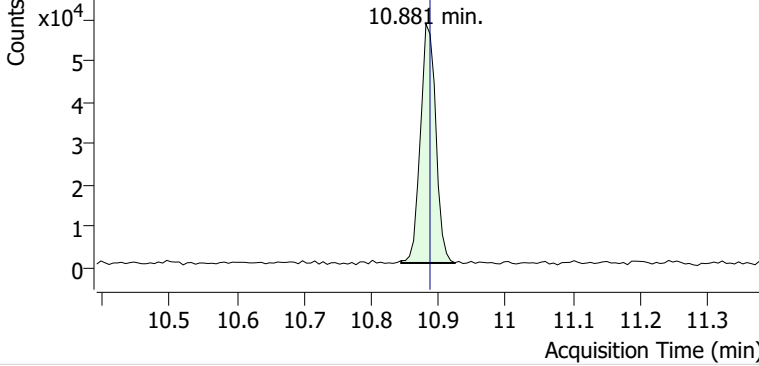


+ Scan (10.747-10.857 min, 19 scans) K2506129.D

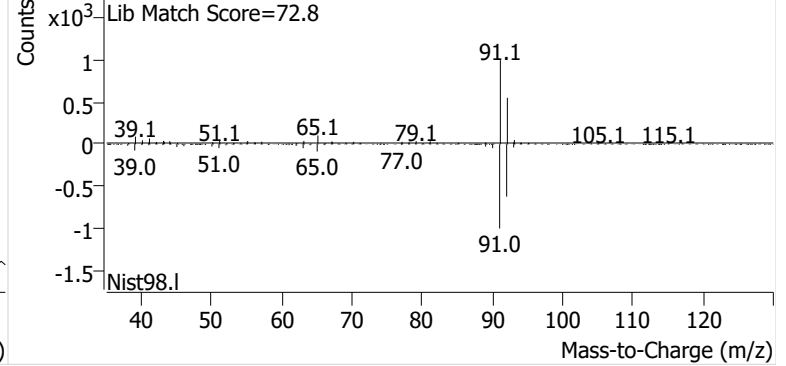


**Toluene**

+ EIC (91.1) Scan K2506129.D

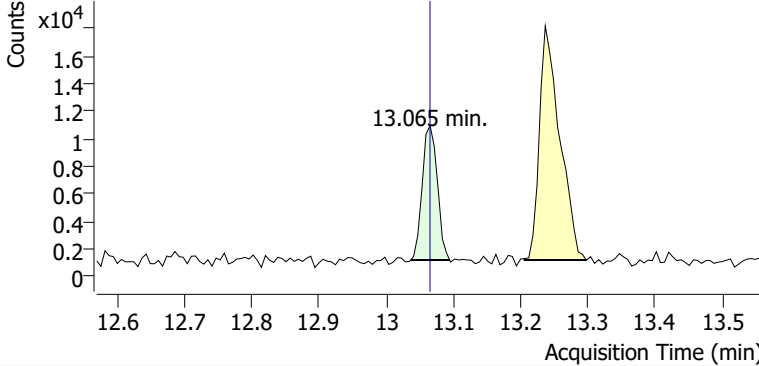


+ Scan (10.844-10.924 min, 14 scans) K2506129.D

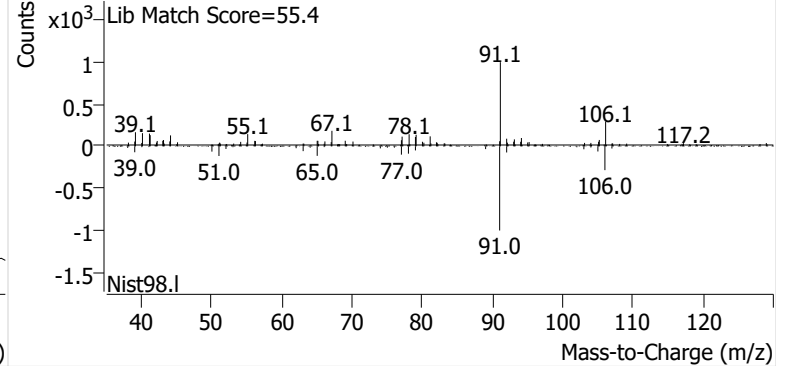


**Ethylbenzene**

+ EIC (91.1) Scan K2506129.D

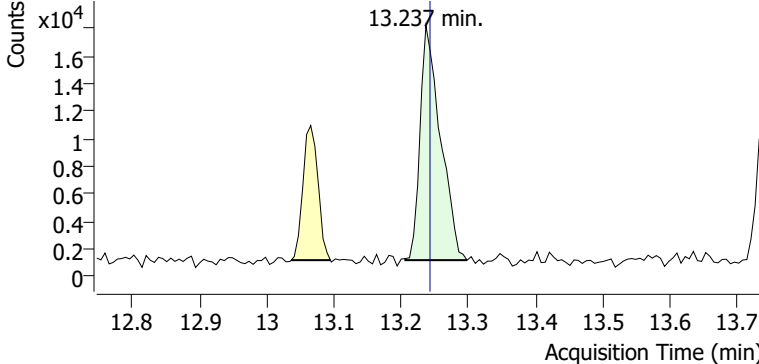


+ Scan (13.036-13.094 min, 9 scans) K2506129.D

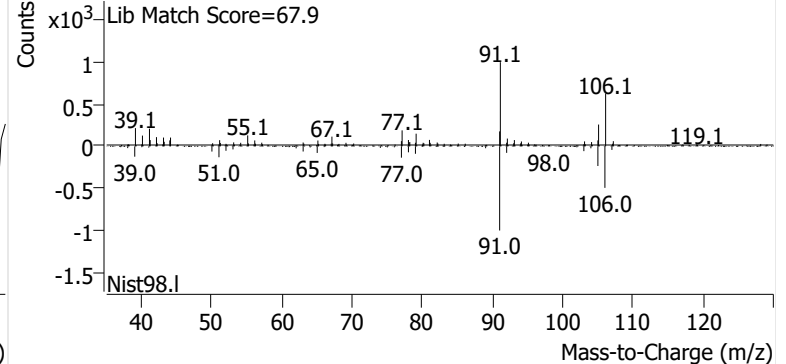


**m-/p-Xylenes**

+ EIC (91.1) Scan K2506129.D

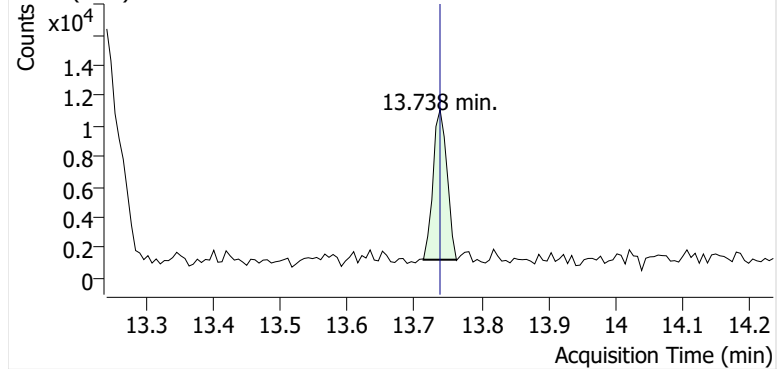


+ Scan (13.206-13.298 min, 15 scans) K2506129.D

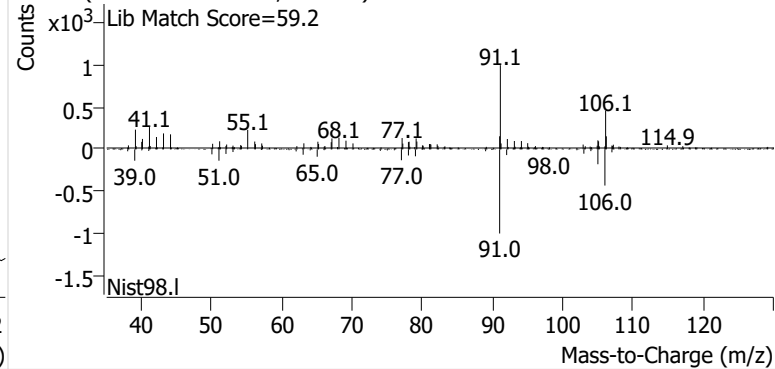


**o-Xylene**

+ EIC (91.1) Scan K2506129.D

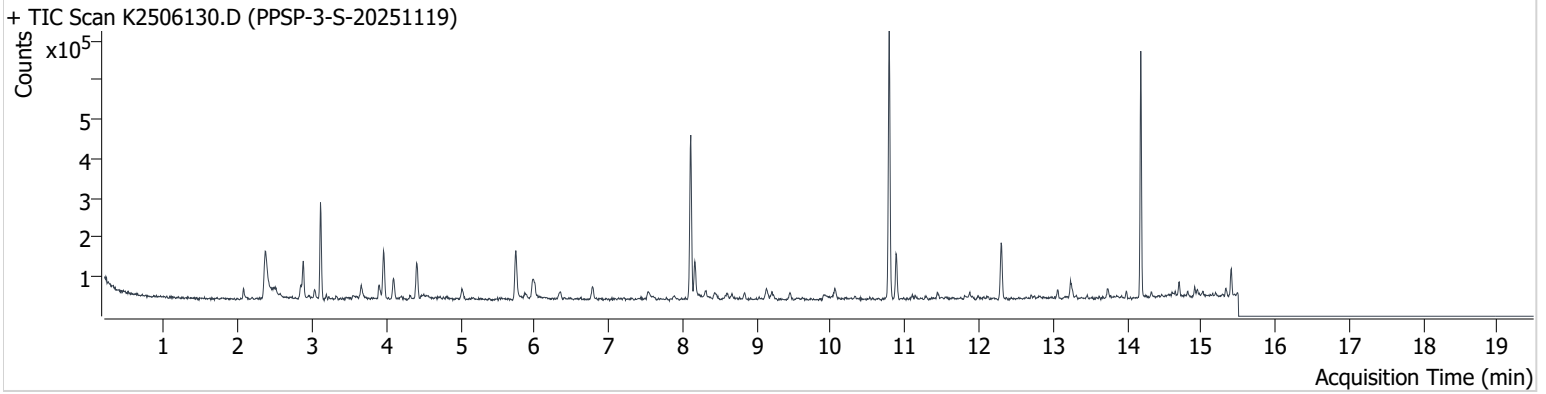


+ Scan (13.714-13.762 min, 8 scans) K2506129.D



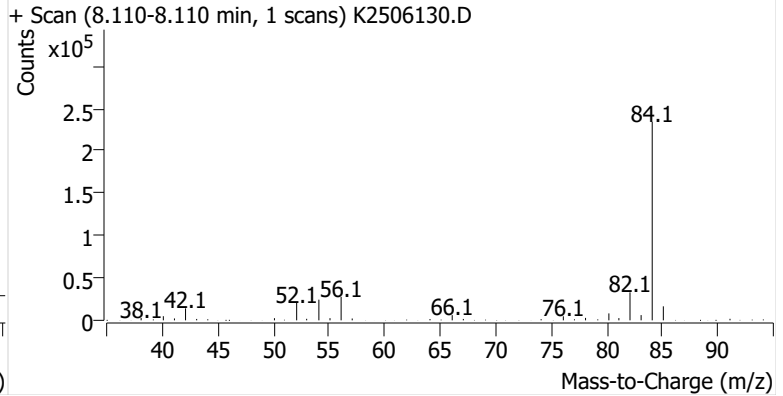
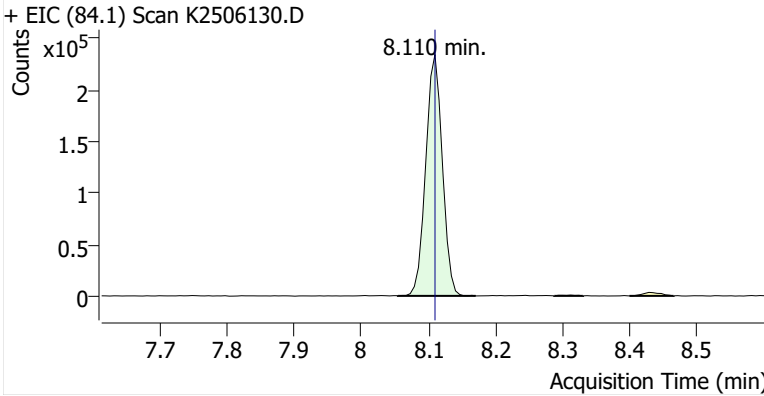
**Name** PPSP-3-S-20251119  
**Comment** C71524  
**Data File** K2506130.D  
**Acq. Date-Time** 12/11/2025 4:24:35 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

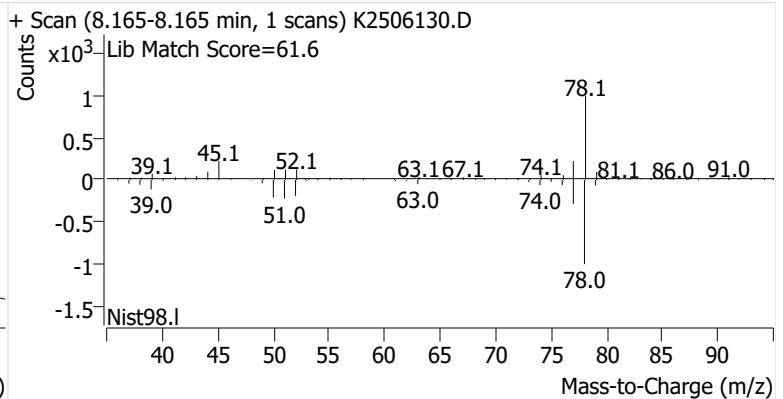
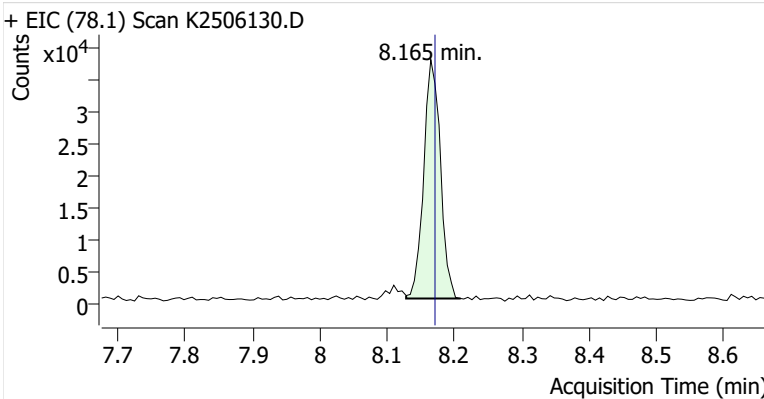


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.110	8.110	400,855	
Benzene	benzene-d6 (IS)	8.165	8.171	64,135	
Toluene-d8 (IS)		10.789	10.789	446,951	
Toluene	Toluene-d8 (IS)	10.881	10.887	82,382	
Ethylbenzene	Toluene-d8 (IS)	13.065	13.065	14,759	
m-/p-Xylenes	Toluene-d8 (IS)	13.236	13.243	34,447	
o-Xylene	Toluene-d8 (IS)	13.738	13.738	12,889	

**benzene-d6 (IS)**

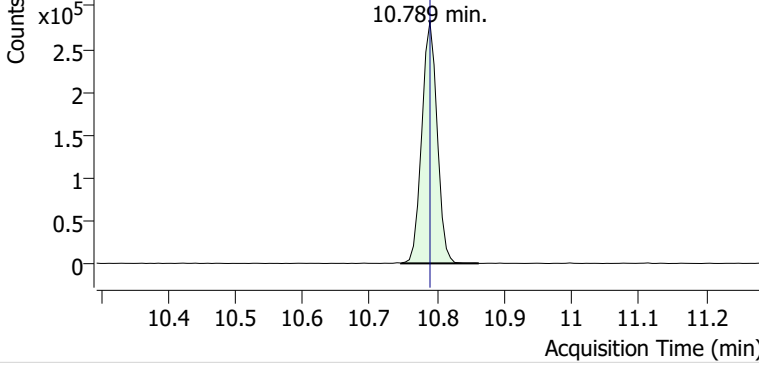


**Benzene**

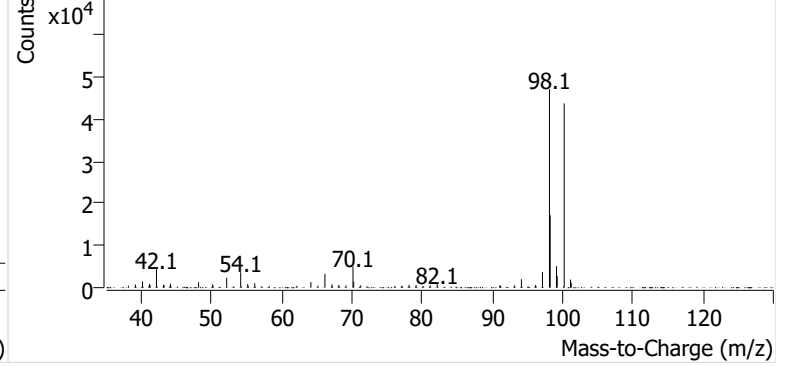


**Toluene-d8 (IS)**

+ EIC (98.1) Scan K2506130.D

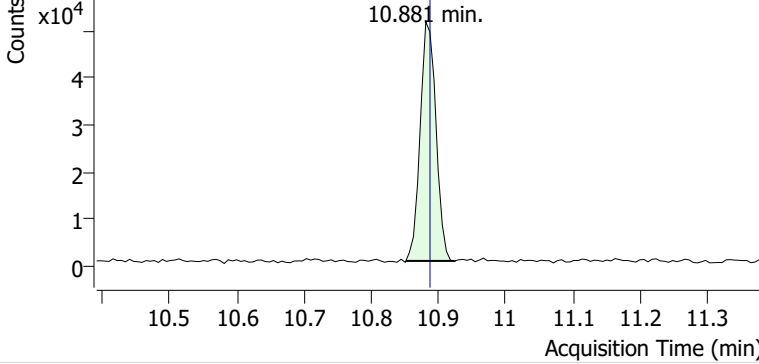


+ Scan (10.746-10.862 min, 19 scans) K2506130.D

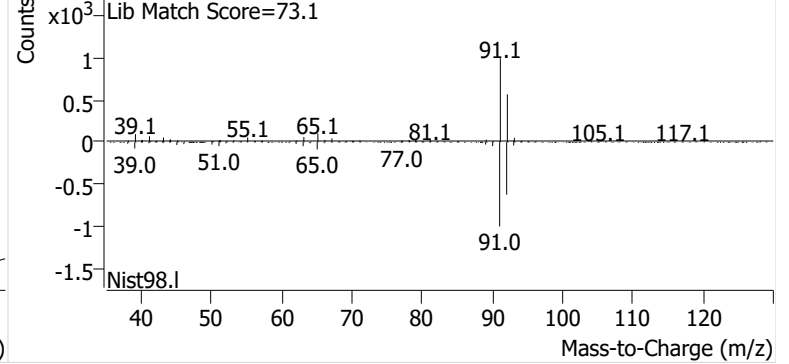


**Toluene**

+ EIC (91.1) Scan K2506130.D

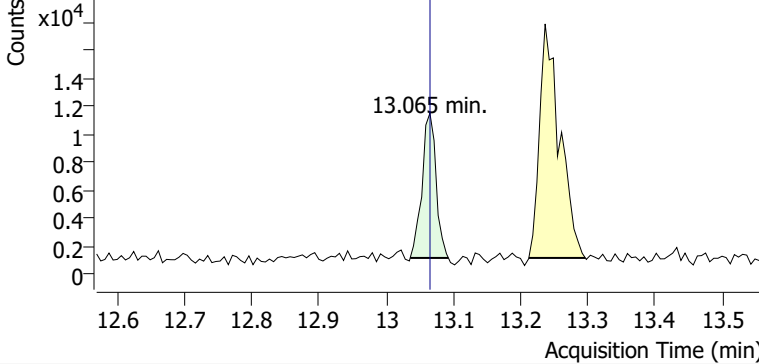


+ Scan (10.851-10.924 min, 12 scans) K2506130.D

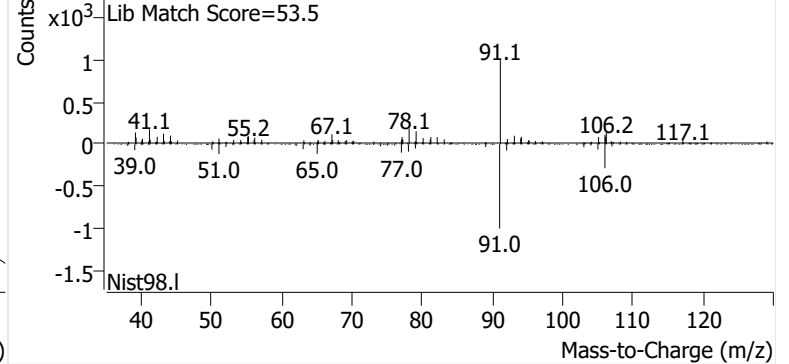


**Ethylbenzene**

+ EIC (91.1) Scan K2506130.D

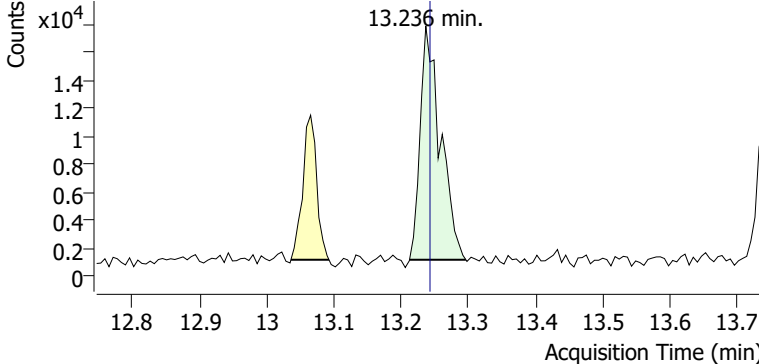


+ Scan (13.036-13.092 min, 9 scans) K2506130.D

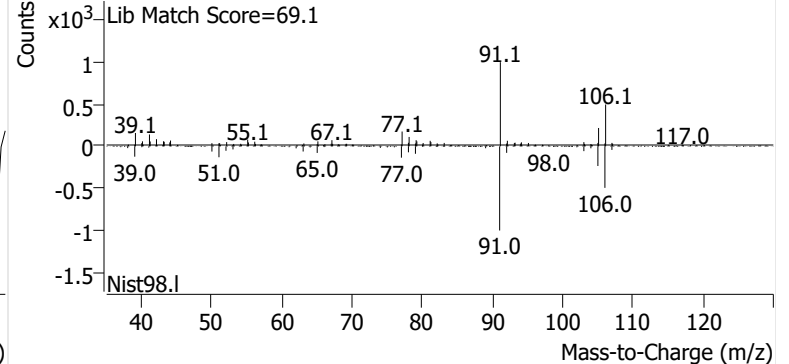


**m-/p-Xylenes**

+ EIC (91.1) Scan K2506130.D

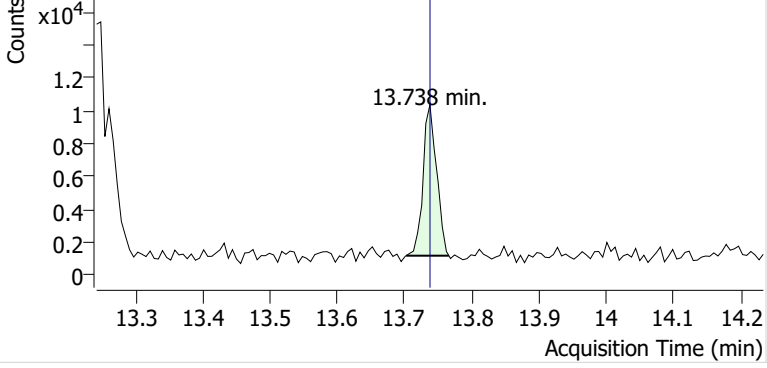


+ Scan (13.212-13.296 min, 13 scans) K2506130.D

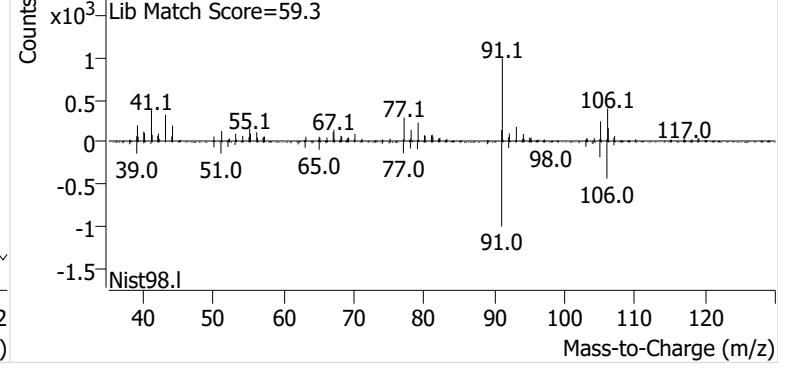


**o-Xylene**

+ EIC (91.1) Scan K2506130.D

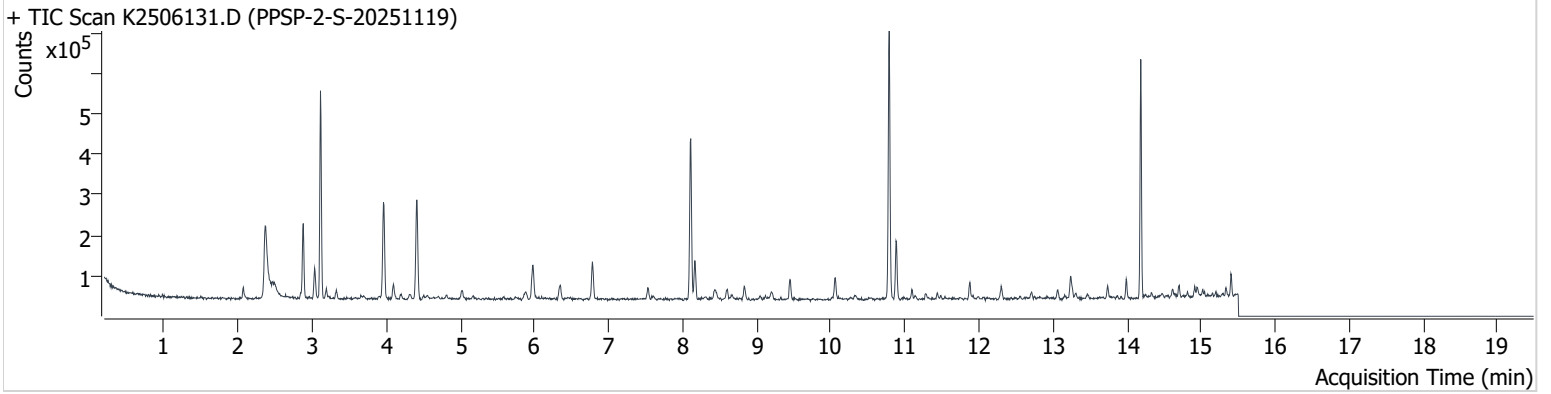


+ Scan (13.703-13.766 min, 10 scans) K2506130.D



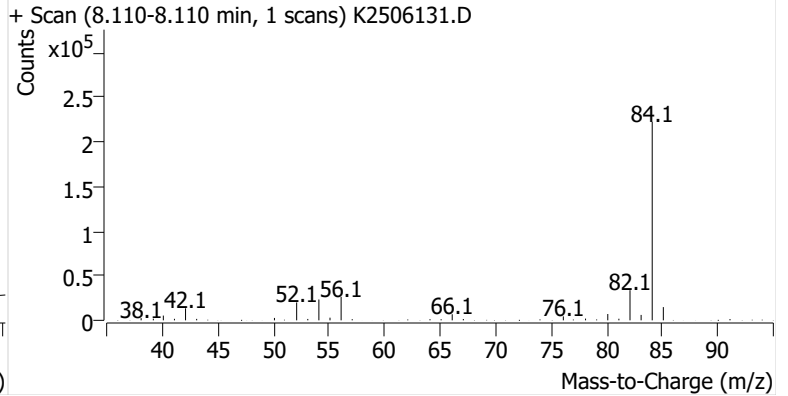
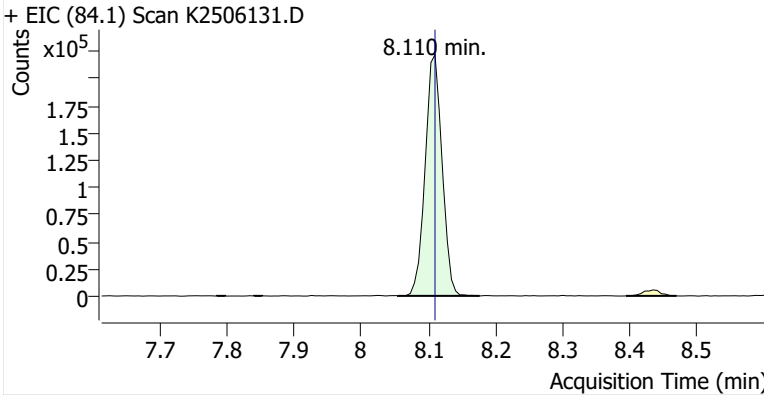
**Name** PPSP-2-S-20251119  
**Comment** C60253  
**Data File** K2506131.D  
**Acq. Date-Time** 12/11/2025 4:52:04 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

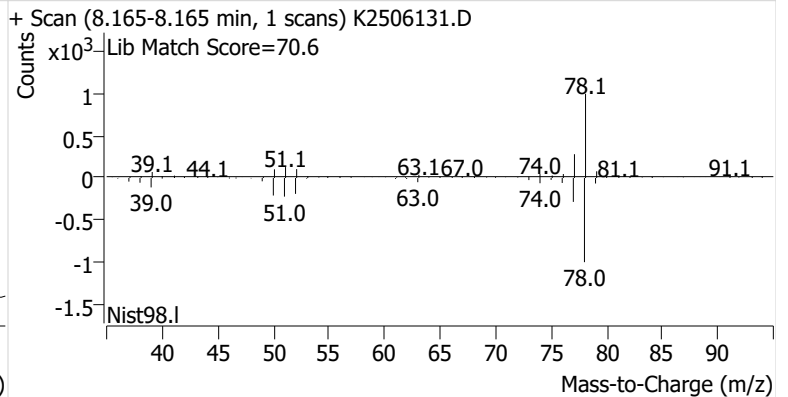
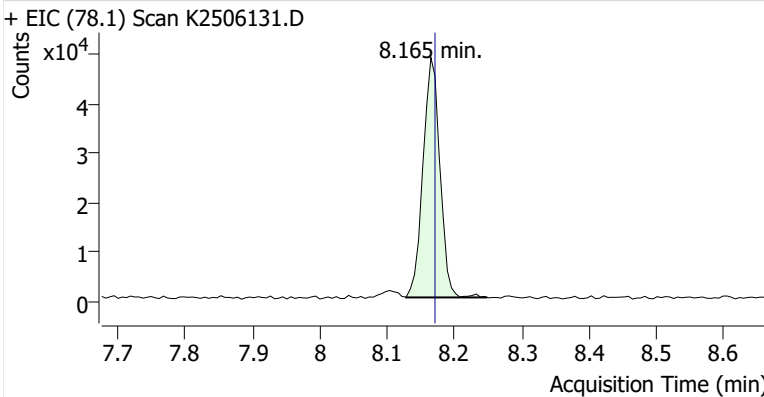


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.110	8.110	388,139	
Benzene	benzene-d6 (IS)	8.165	8.171	85,086	
Toluene-d8 (IS)		10.789	10.789	436,741	
Toluene	Toluene-d8 (IS)	10.881	10.887	102,887	
Ethylbenzene	Toluene-d8 (IS)	13.059	13.065	15,474	
m-/p-Xylenes	Toluene-d8 (IS)	13.236	13.243	40,932	
o-Xylene	Toluene-d8 (IS)	13.738	13.738	15,455	

**benzene-d6 (IS)**

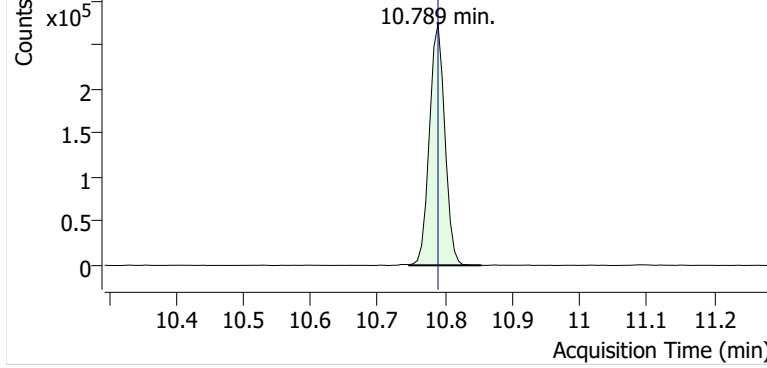


**Benzene**

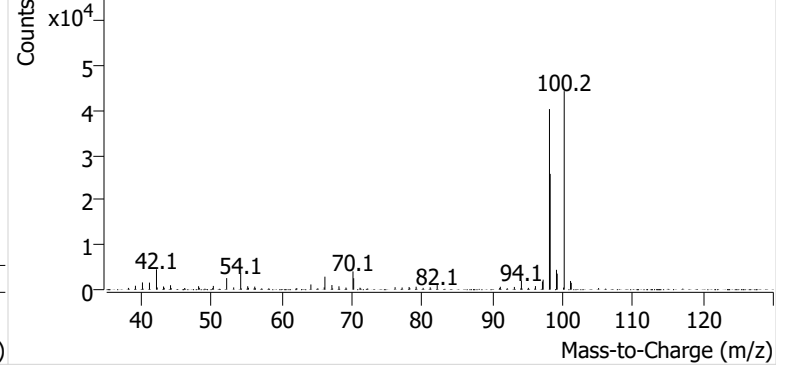


**Toluene-d8 (IS)**

+ EIC (98.1) Scan K2506131.D

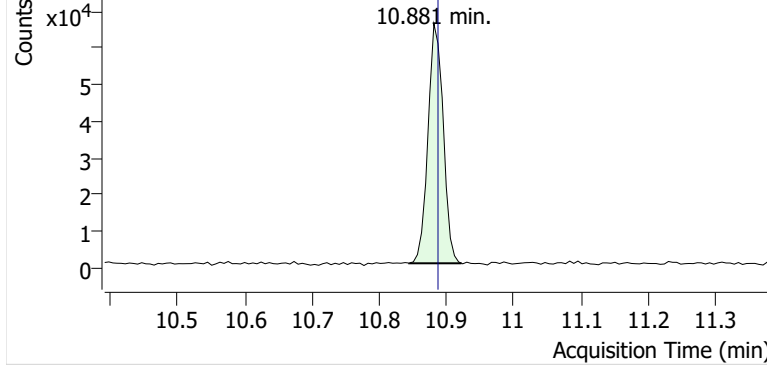


+ Scan (10.747-10.854 min, 18 scans) K2506131.D

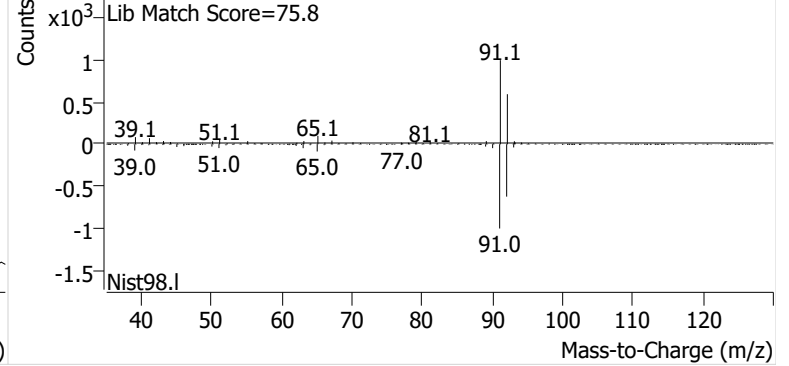


**Toluene**

+ EIC (91.1) Scan K2506131.D

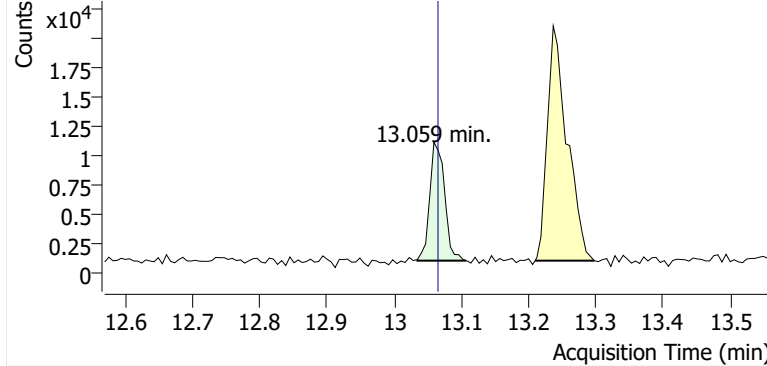


+ Scan (10.844-10.922 min, 13 scans) K2506131.D

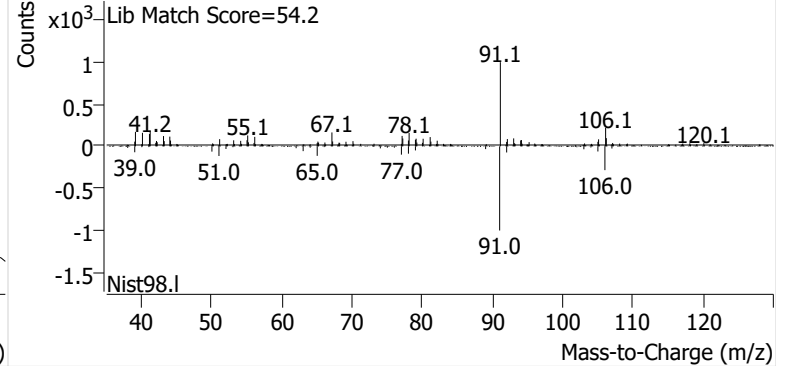


**Ethylbenzene**

+ EIC (91.1) Scan K2506131.D

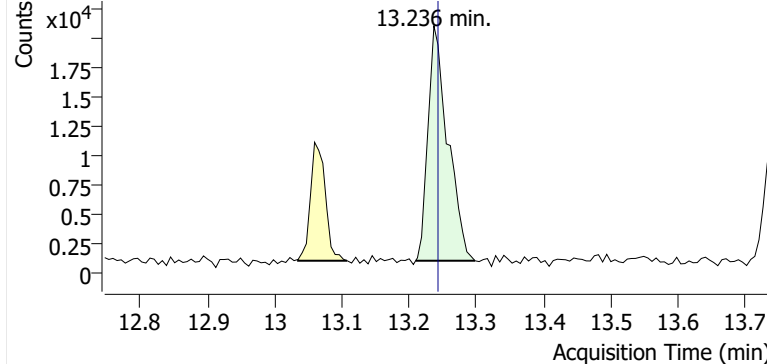


+ Scan (13.035-13.107 min, 12 scans) K2506131.D

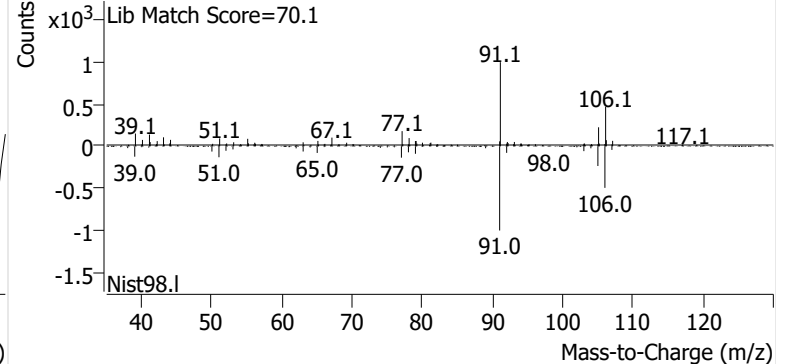


**m-/p-Xylenes**

+ EIC (91.1) Scan K2506131.D

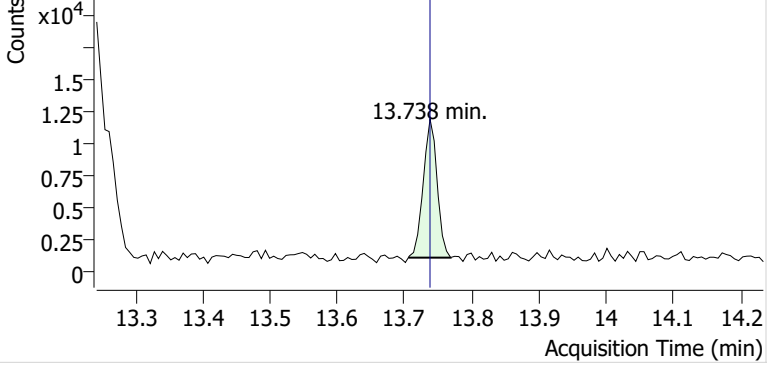


+ Scan (13.209-13.298 min, 14 scans) K2506131.D

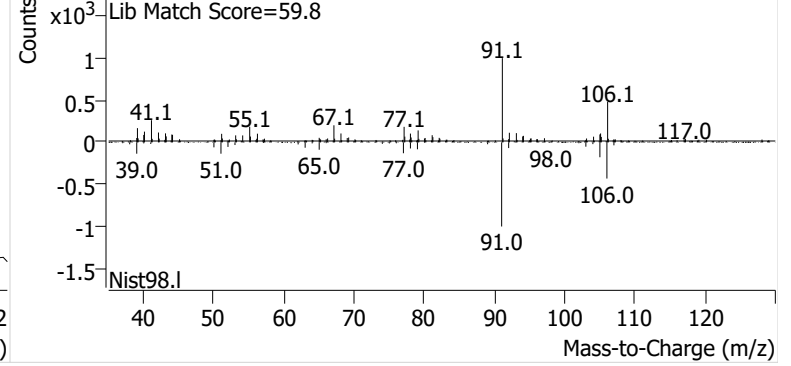


**o-Xylene**

+ EIC (91.1) Scan K2506131.D

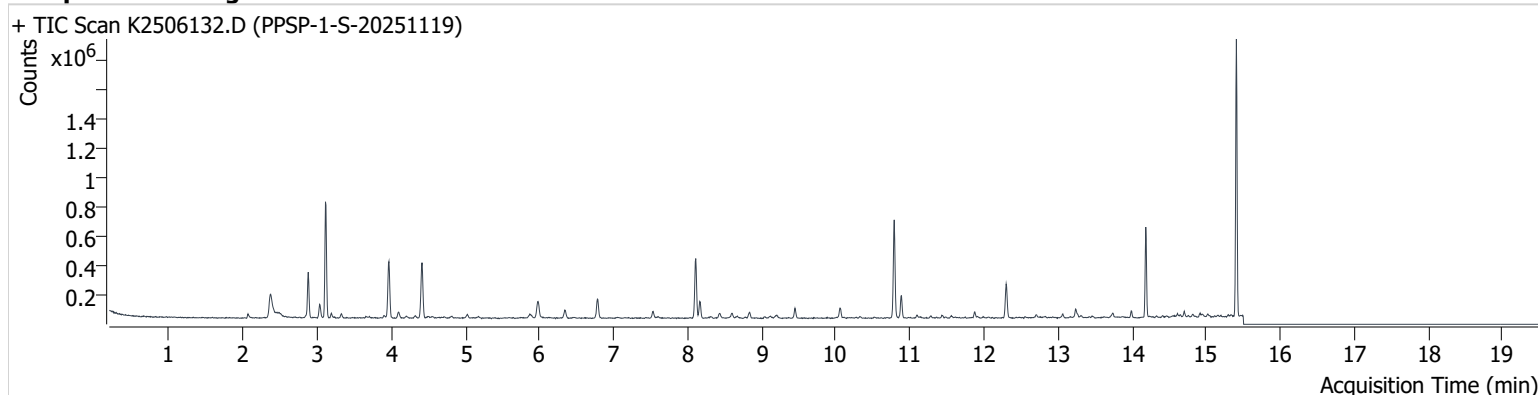


+ Scan (13.706-13.769 min, 11 scans) K2506131.D



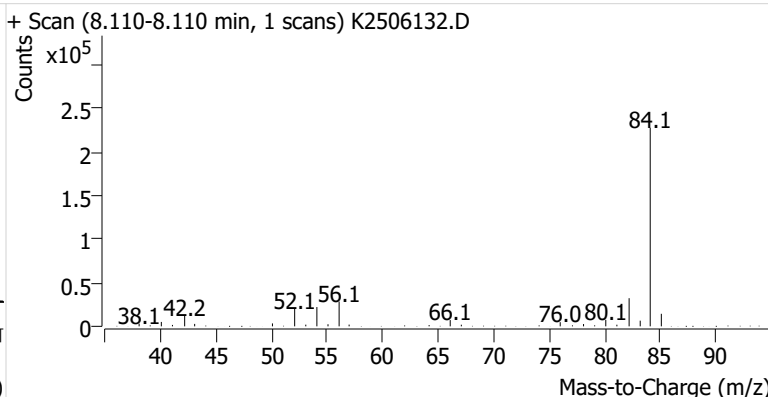
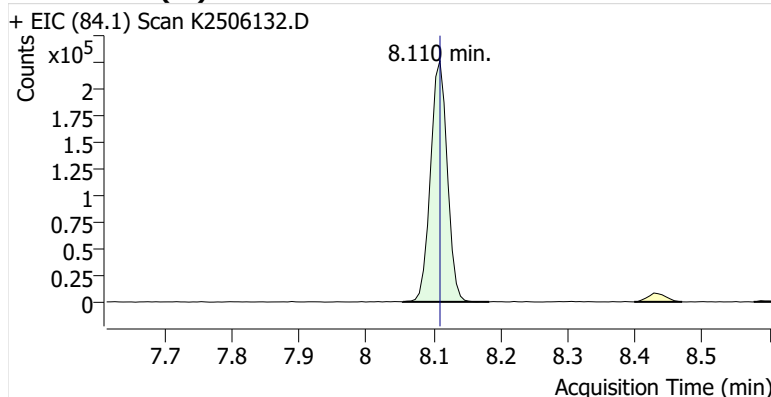
**Name** PPSP-1-S-20251119  
**Comment** C61454  
**Data File** K2506132.D  
**Acq. Date-Time** 12/11/2025 5:19:35 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

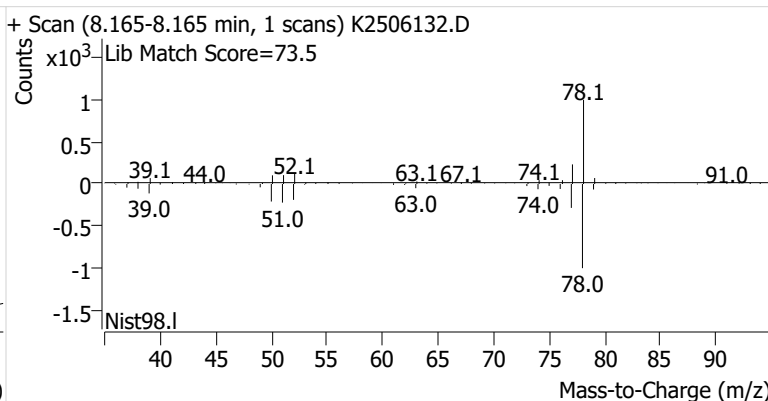
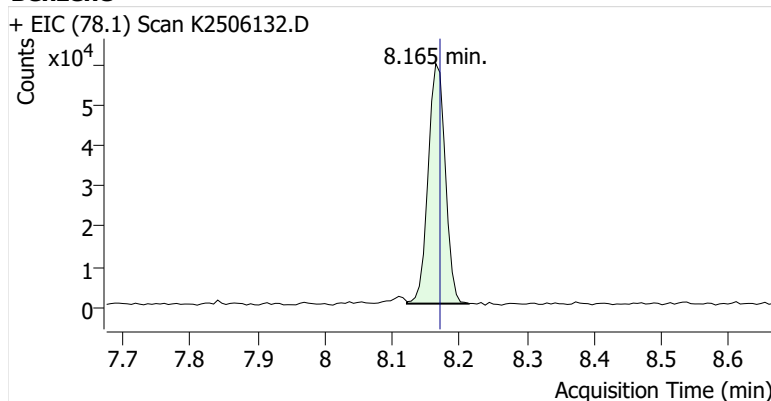


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.110	8.110	393,199	
Benzene	benzene-d6 (IS)	8.165	8.171	105,868	
Toluene-d8 (IS)		10.789	10.789	439,498	
Toluene	Toluene-d8 (IS)	10.881	10.887	110,078	
Ethylbenzene	Toluene-d8 (IS)	13.065	13.065	16,776	
m-/p-Xylenes	Toluene-d8 (IS)	13.242	13.243	44,820	
o-Xylene	Toluene-d8 (IS)	13.738	13.738	17,548	

**benzene-d6 (IS)**

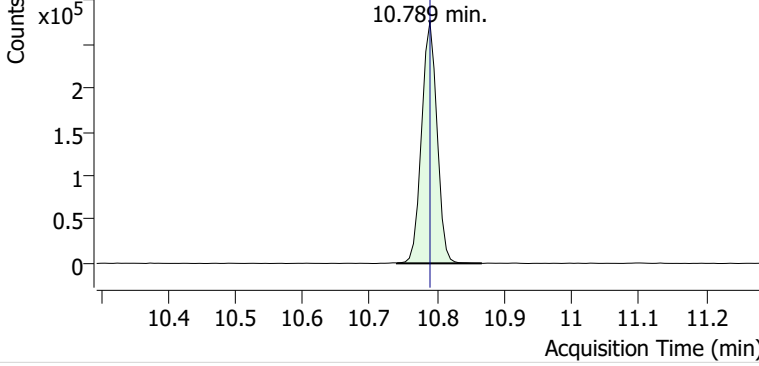


**Benzene**

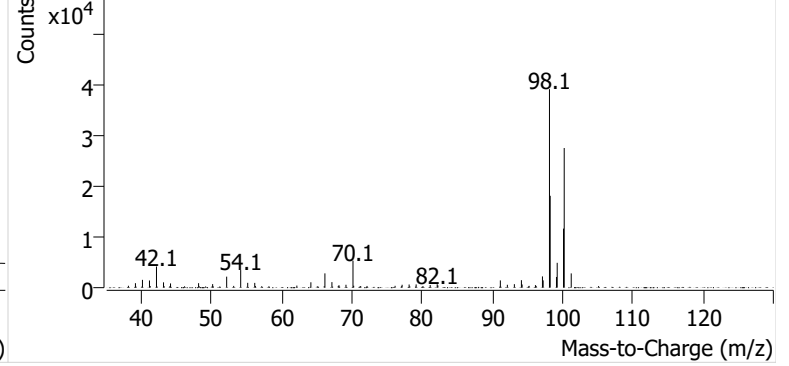


**Toluene-d8 (IS)**

+ EIC (98.1) Scan K2506132.D

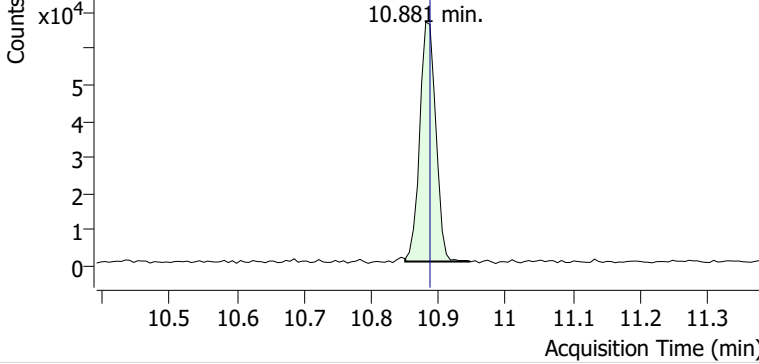


+ Scan (10.740-10.866 min, 21 scans) K2506132.D

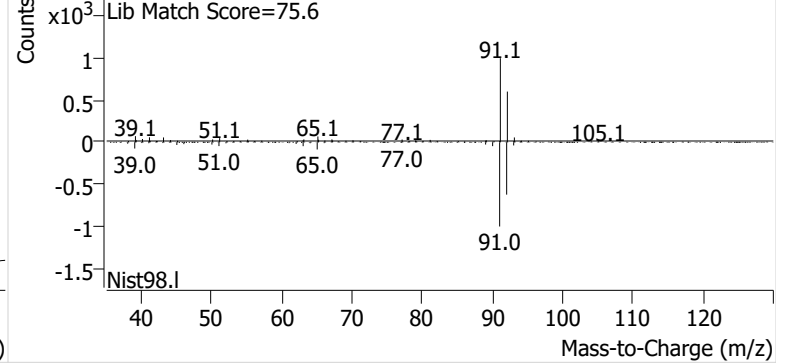


**Toluene**

+ EIC (91.1) Scan K2506132.D

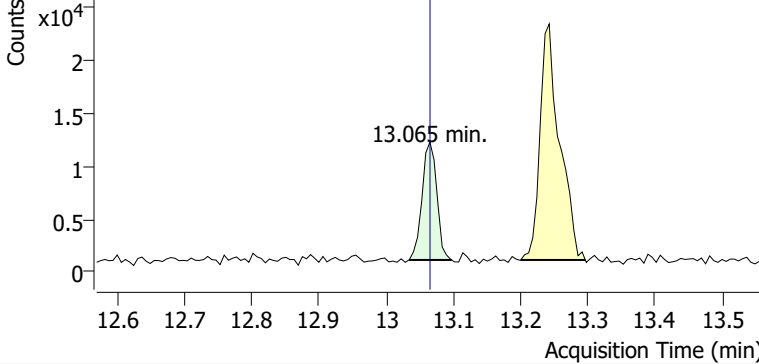


+ Scan (10.850-10.947 min, 16 scans) K2506132.D

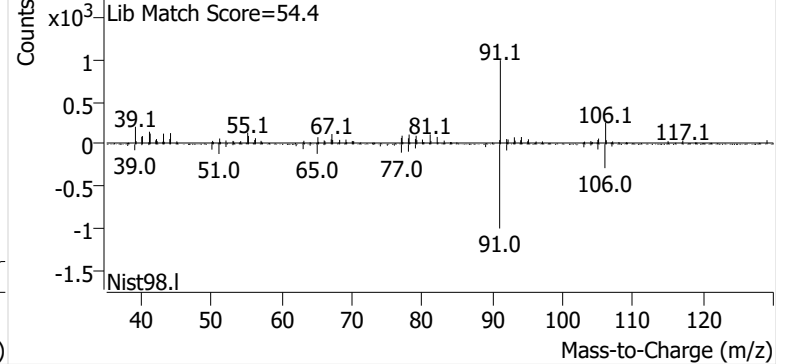


**Ethylbenzene**

+ EIC (91.1) Scan K2506132.D

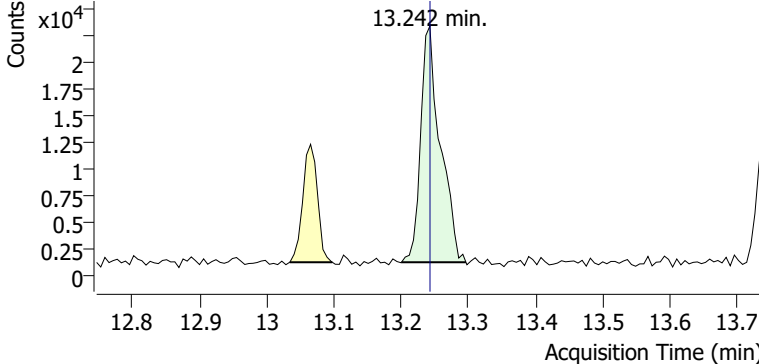


+ Scan (13.034-13.097 min, 11 scans) K2506132.D

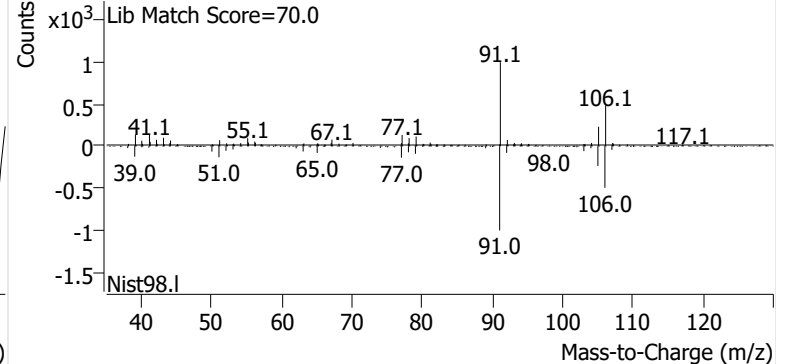


**m-/p-Xylenes**

+ EIC (91.1) Scan K2506132.D

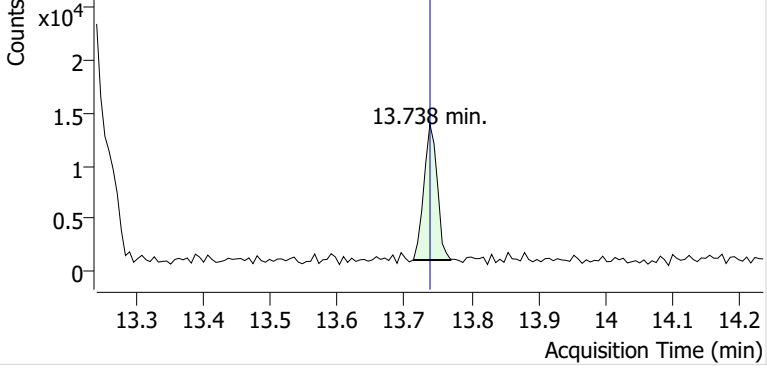


+ Scan (13.200-13.296 min, 15 scans) K2506132.D

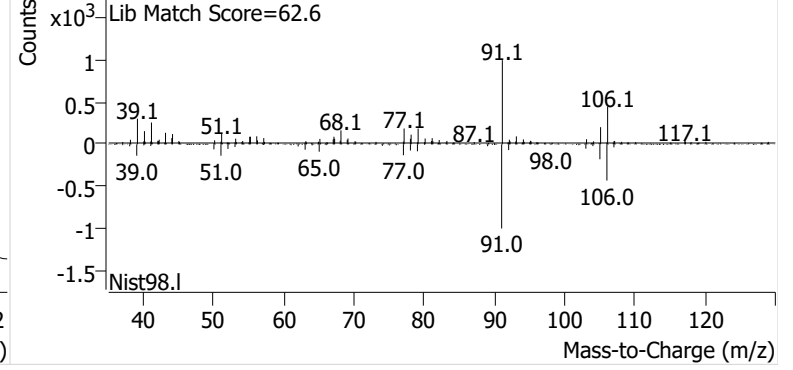


**o-Xylene**

+ EIC (91.1) Scan K2506132.D

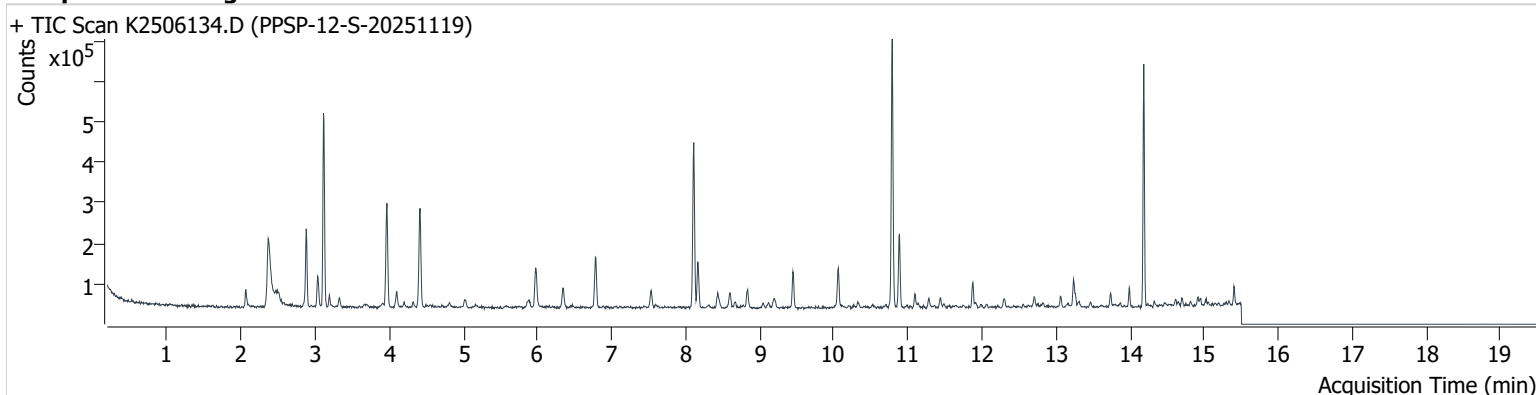


+ Scan (13.713-13.769 min, 10 scans) K2506132.D



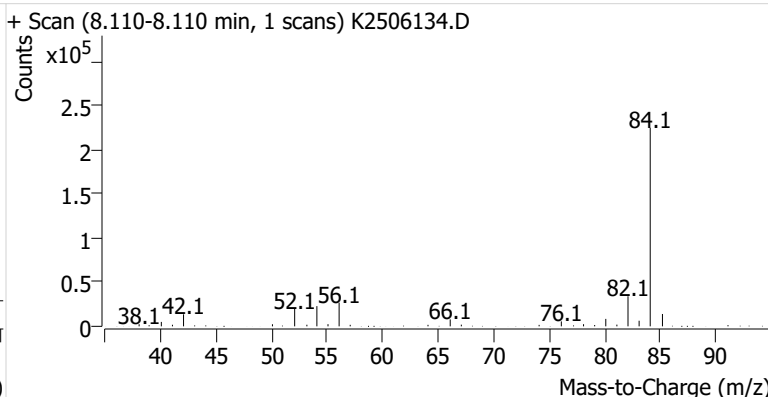
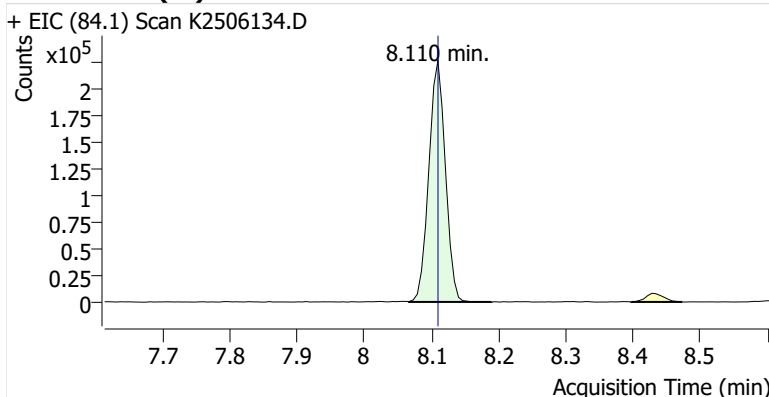
**Name** PPSP-12-S-20251119  
**Comment** C43383  
**Data File** K2506134.D  
**Acq. Date-Time** 12/11/2025 6:11:37 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

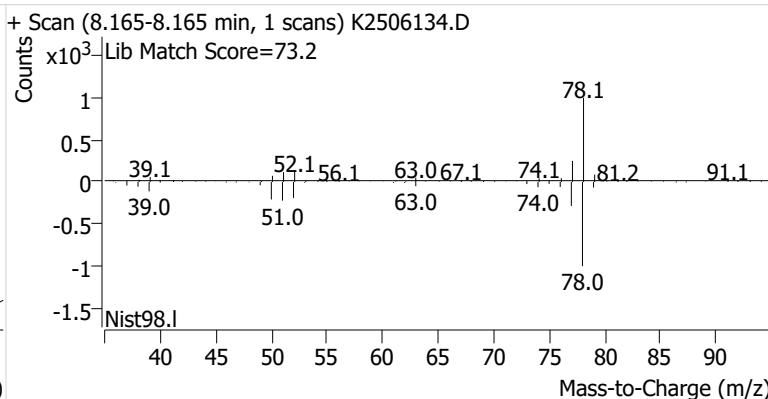
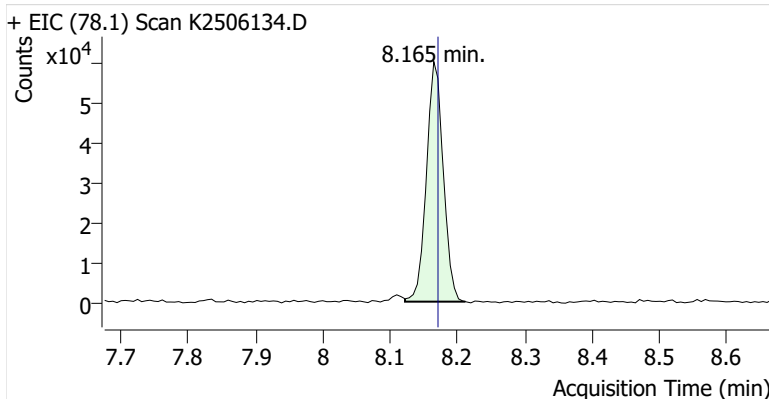


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.110	8.110	385,539	
Benzene	benzene-d6 (IS)	8.165	8.171	103,212	
Toluene-d8 (IS)		10.789	10.789	438,180	
Toluene	Toluene-d8 (IS)	10.887	10.887	132,418	
Ethylbenzene	Toluene-d8 (IS)	13.065	13.065	17,387	
m-/p-Xylenes	Toluene-d8 (IS)	13.236	13.243	49,170	
o-Xylene	Toluene-d8 (IS)	13.738	13.738	17,851	

**benzene-d6 (IS)**

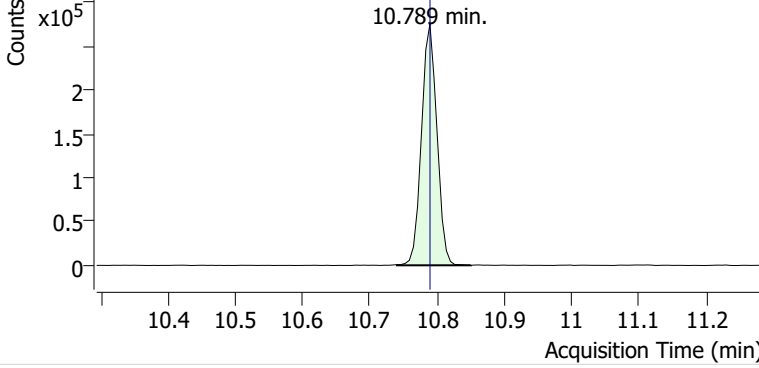


**Benzene**

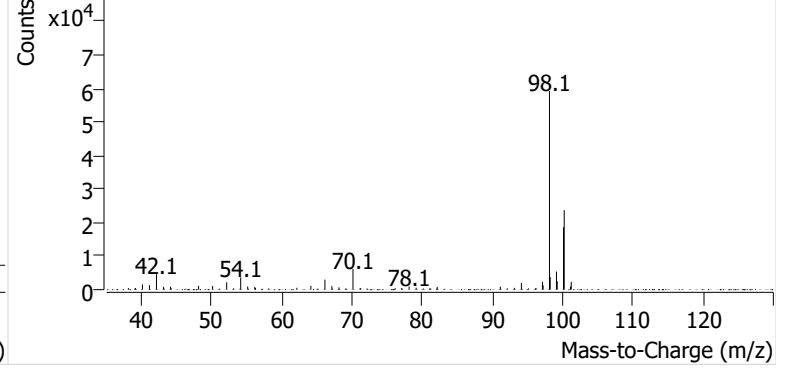


**Toluene-d8 (IS)**

+ EIC (98.1) Scan K2506134.D

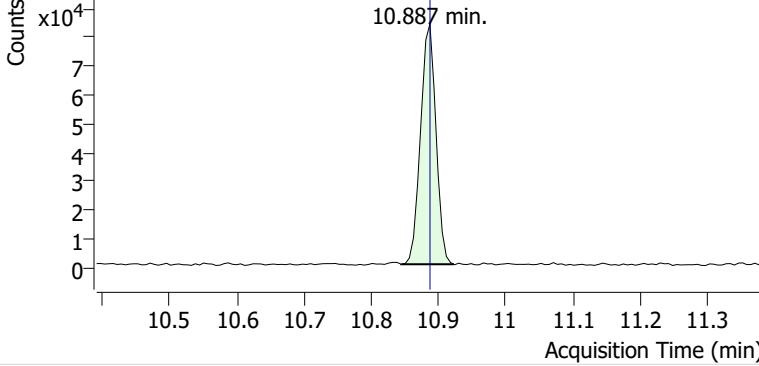


+ Scan (10.740-10.850 min, 19 scans) K2506134.D

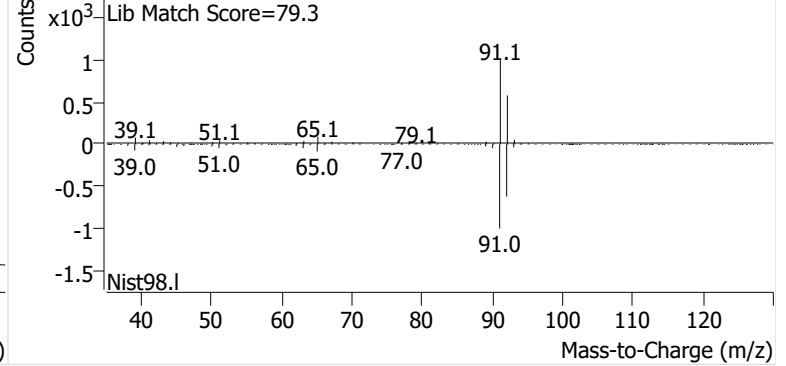


**Toluene**

+ EIC (91.1) Scan K2506134.D

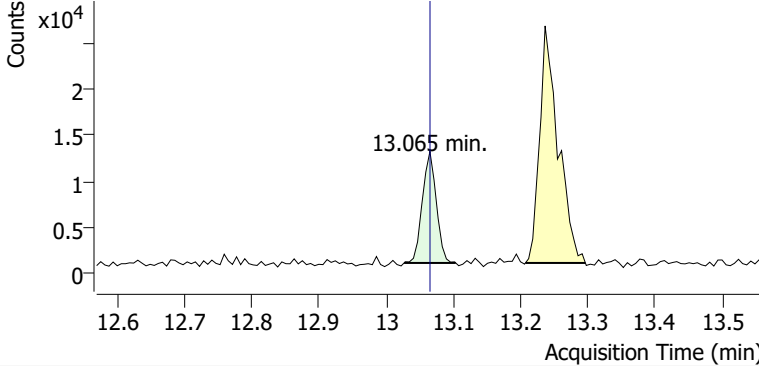


+ Scan (10.844-10.922 min, 13 scans) K2506134.D

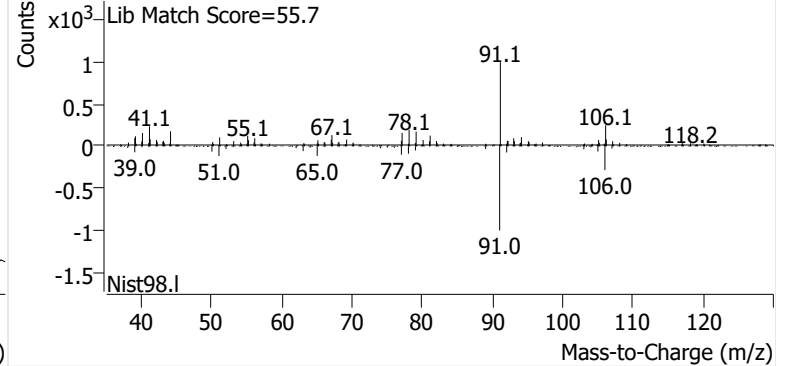


**Ethylbenzene**

+ EIC (91.1) Scan K2506134.D

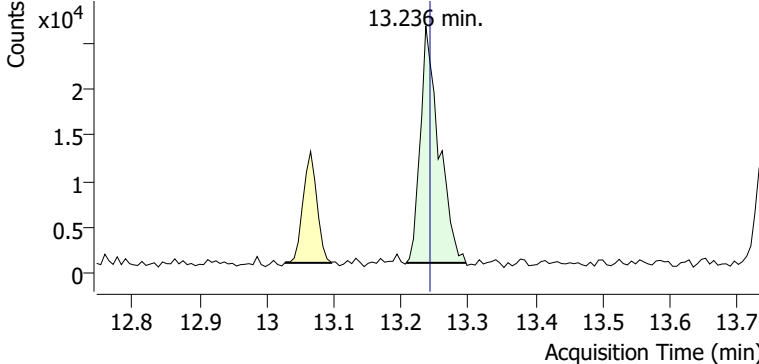


+ Scan (13.027-13.103 min, 13 scans) K2506134.D

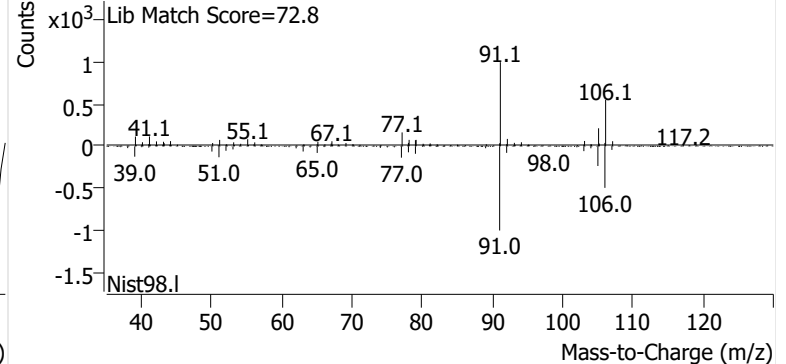


**m-/p-Xylenes**

+ EIC (91.1) Scan K2506134.D

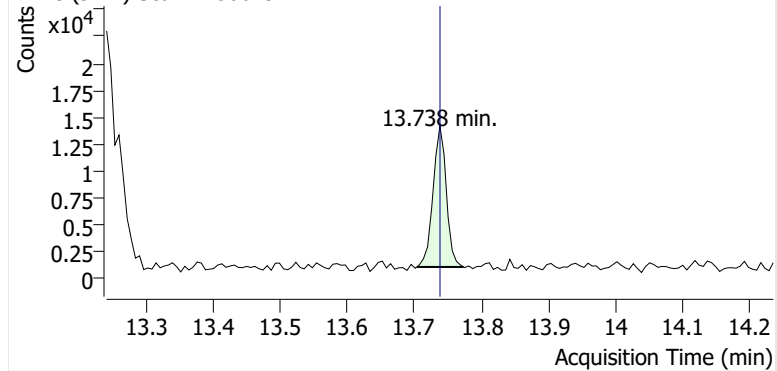


+ Scan (13.207-13.296 min, 14 scans) K2506134.D

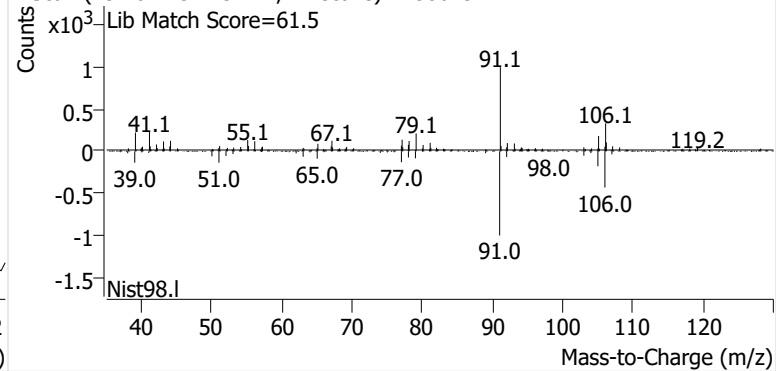


**o-Xylene**

+ EIC (91.1) Scan K2506134.D

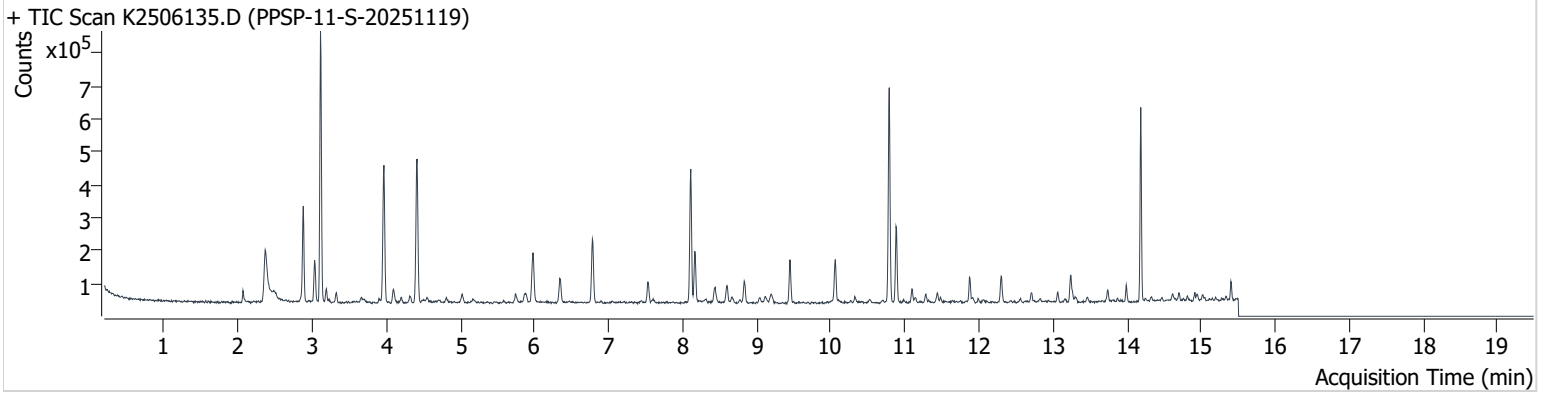


+ Scan (13.704-13.773 min, 11 scans) K2506134.D



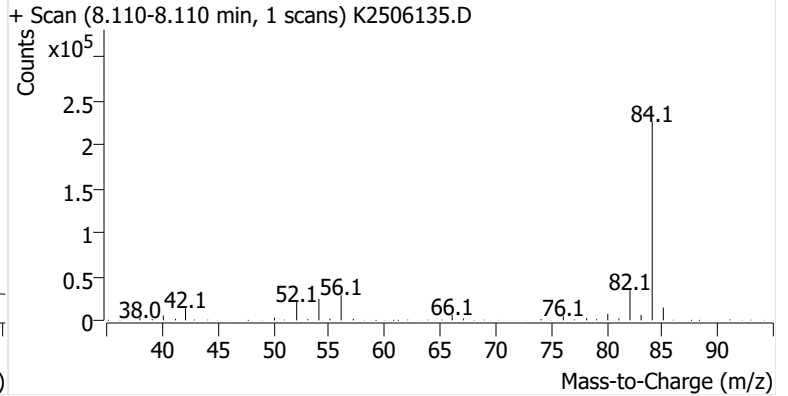
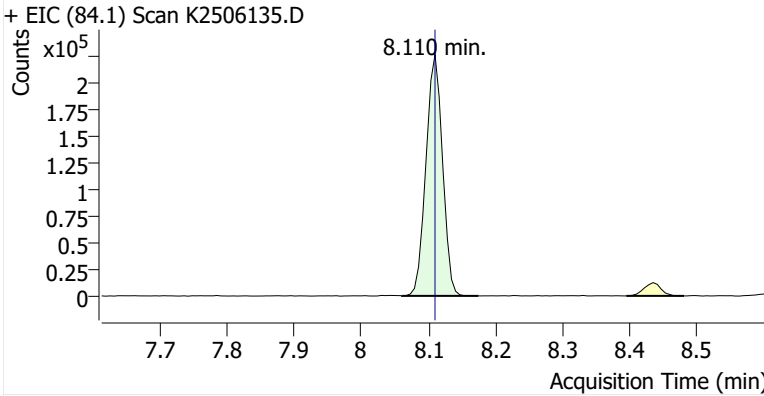
**Name** PPSP-11-S-20251119  
**Comment** C70076  
**Data File** K2506135.D  
**Acq. Date-Time** 12/11/2025 6:39:05 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

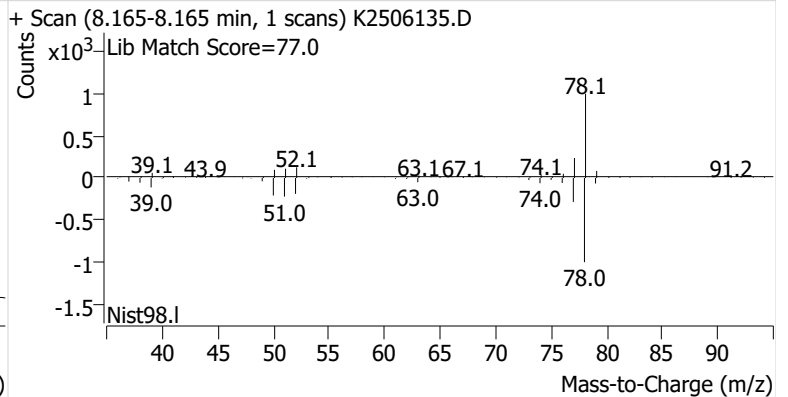
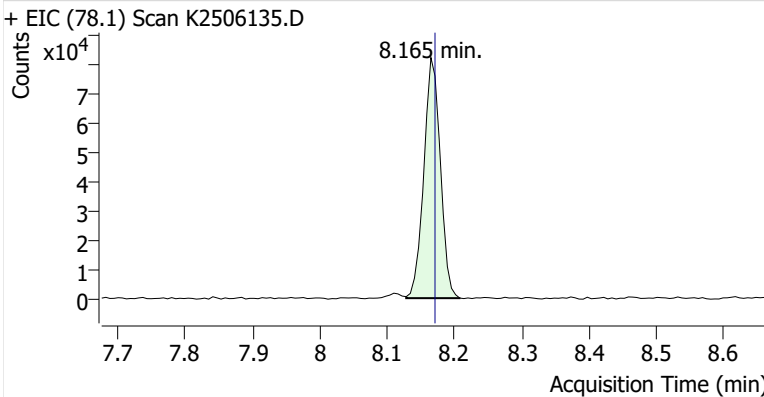


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.110	8.110	385,641	
Benzene	benzene-d6 (IS)	8.165	8.171	139,463	
Toluene-d8 (IS)		10.789	10.789	432,083	
Toluene	Toluene-d8 (IS)	10.887	10.887	167,703	
Ethylbenzene	Toluene-d8 (IS)	13.065	13.065	19,744	
m-/p-Xylenes	Toluene-d8 (IS)	13.243	13.243	58,245	
o-Xylene	Toluene-d8 (IS)	13.738	13.738	20,252	

**benzene-d6 (IS)**

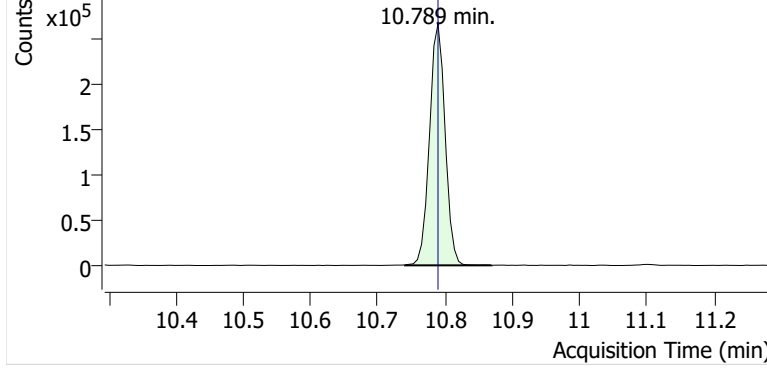


**Benzene**

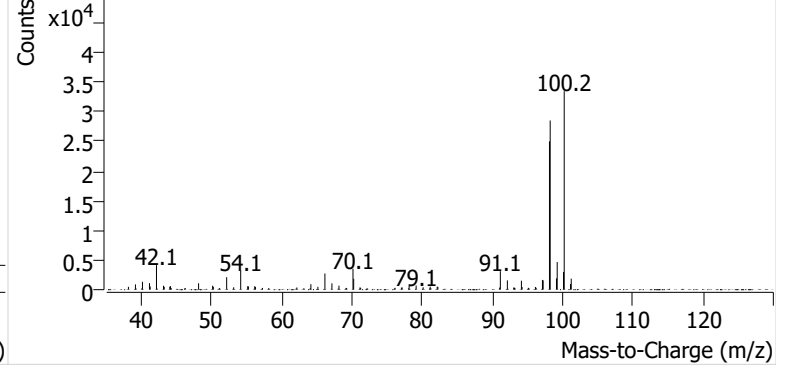


**Toluene-d8 (IS)**

+ EIC (98.1) Scan K2506135.D

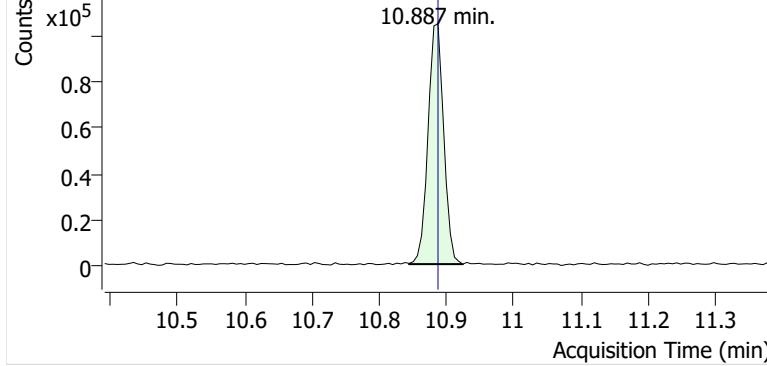


+ Scan (10.740-10.869 min, 22 scans) K2506135.D

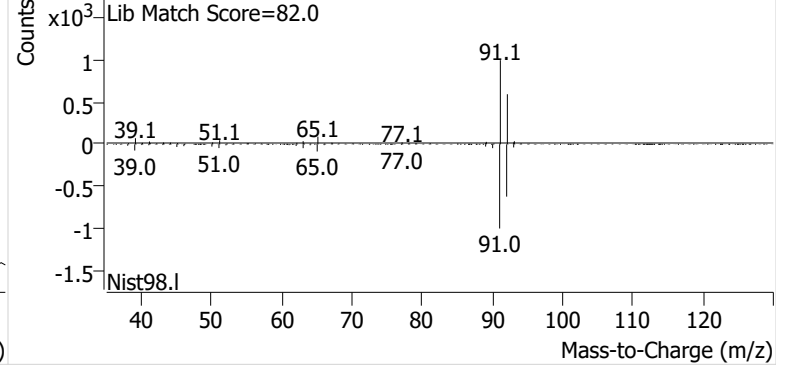


**Toluene**

+ EIC (91.1) Scan K2506135.D

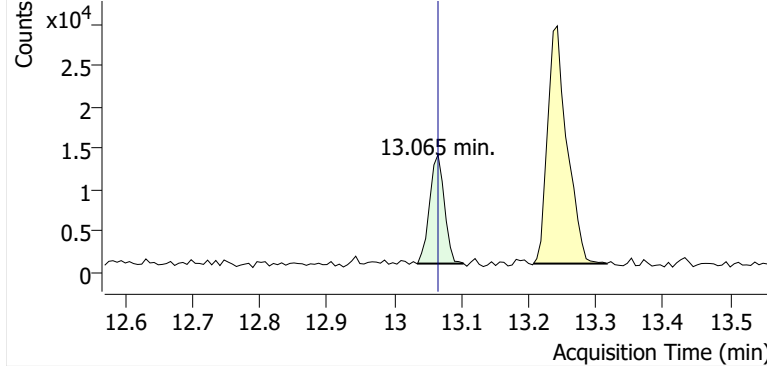


+ Scan (10.844-10.924 min, 14 scans) K2506135.D

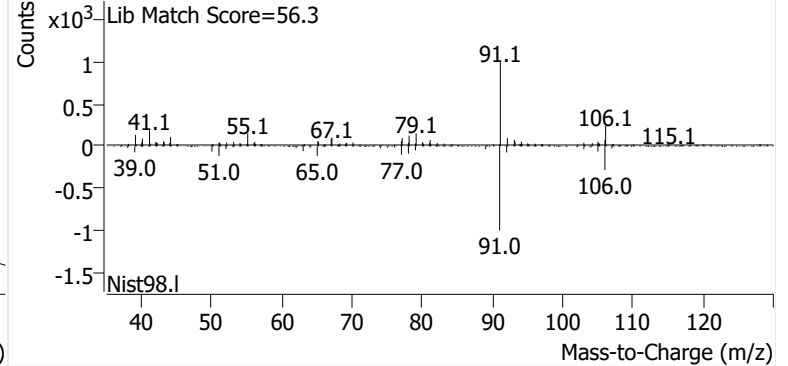


**Ethylbenzene**

+ EIC (91.1) Scan K2506135.D

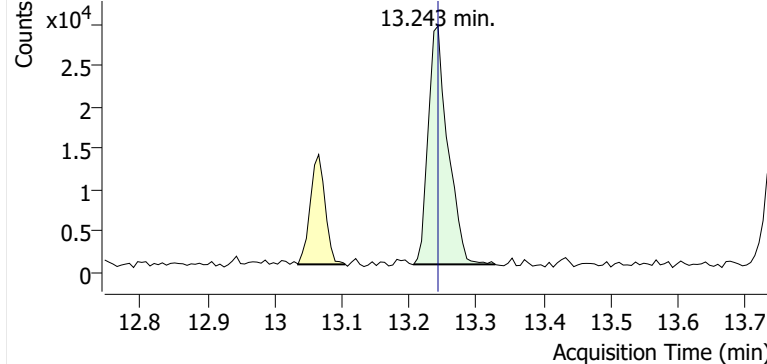


+ Scan (13.035-13.103 min, 11 scans) K2506135.D

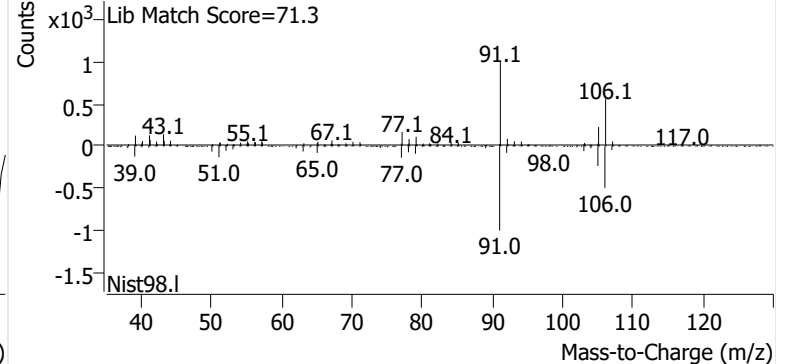


**m-/p-Xylenes**

+ EIC (91.1) Scan K2506135.D

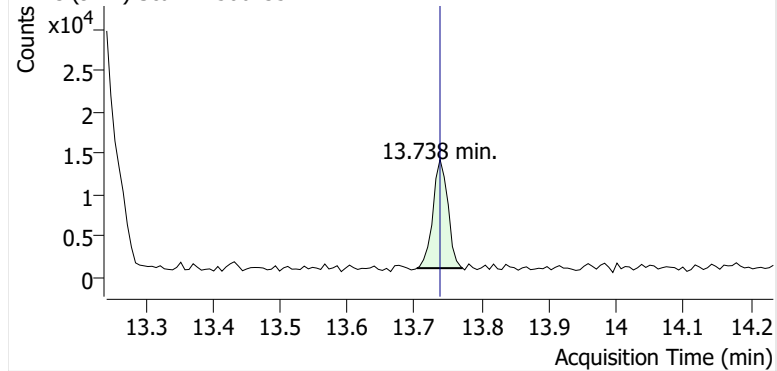


+ Scan (13.206-13.328 min, 19 scans) K2506135.D

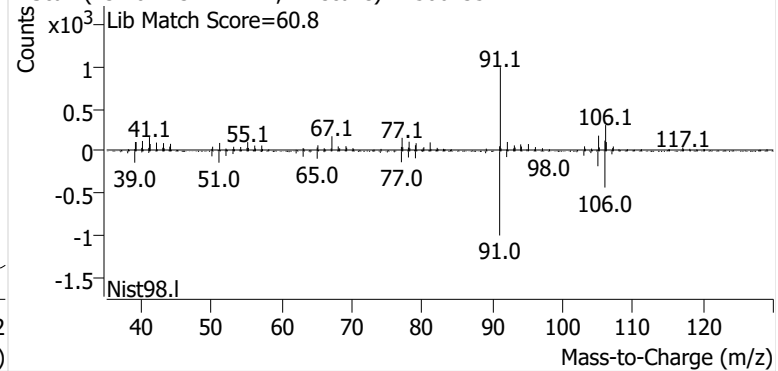


**o-Xylene**

+ EIC (91.1) Scan K2506135.D

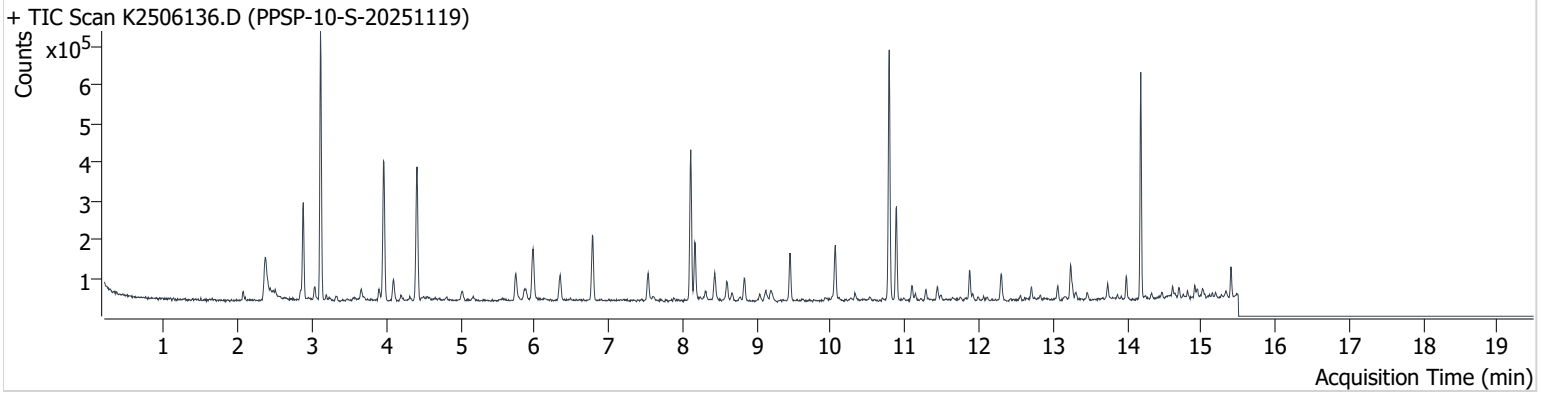


+ Scan (13.704-13.772 min, 11 scans) K2506135.D



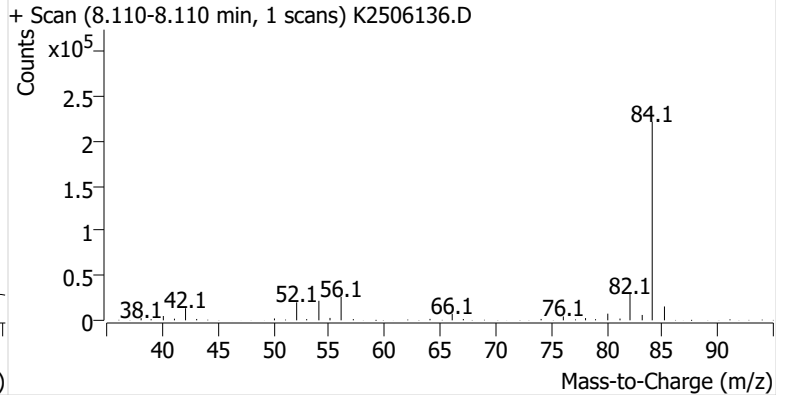
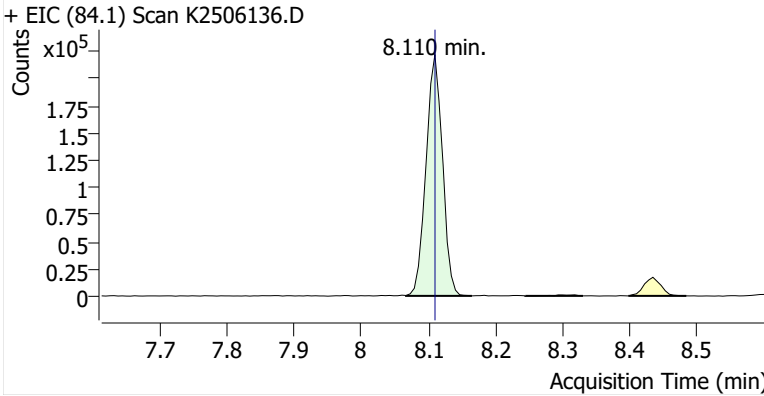
**Name** PPSP-10-S-20251119  
**Comment** C73557  
**Data File** K2506136.D  
**Acq. Date-Time** 12/11/2025 7:06:36 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

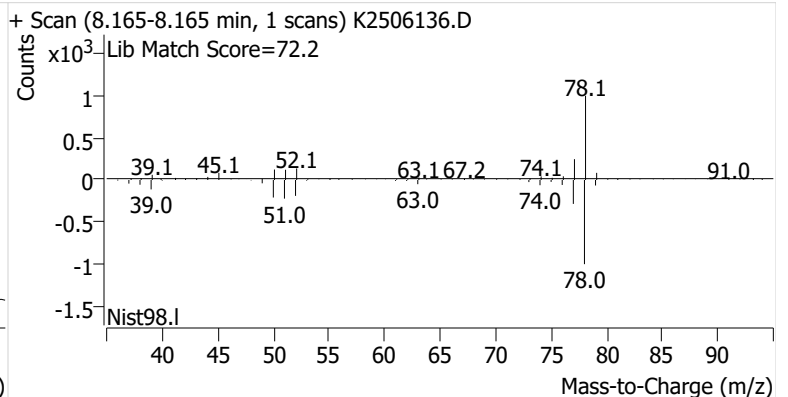
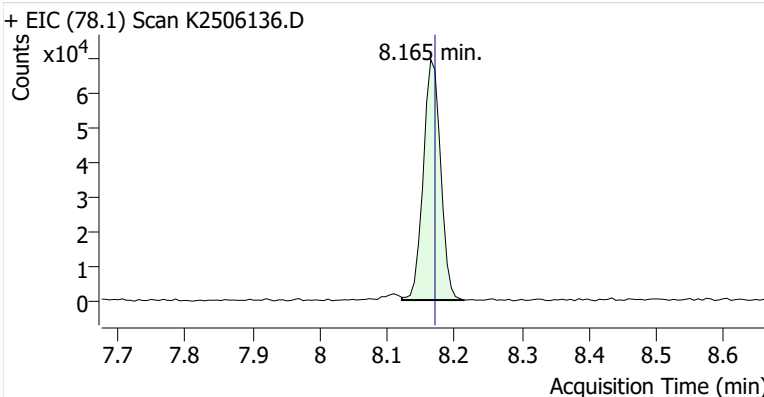


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.110	8.110	377,476	
Benzene	benzene-d6 (IS)	8.165	8.171	123,397	
Toluene-d8 (IS)		10.789	10.789	431,808	
Toluene	Toluene-d8 (IS)	10.887	10.887	174,307	
Ethylbenzene	Toluene-d8 (IS)	13.065	13.065	22,883	
m-/p-Xylenes	Toluene-d8 (IS)	13.236	13.243	66,717	
o-Xylene	Toluene-d8 (IS)	13.738	13.738	20,891	

**benzene-d6 (IS)**

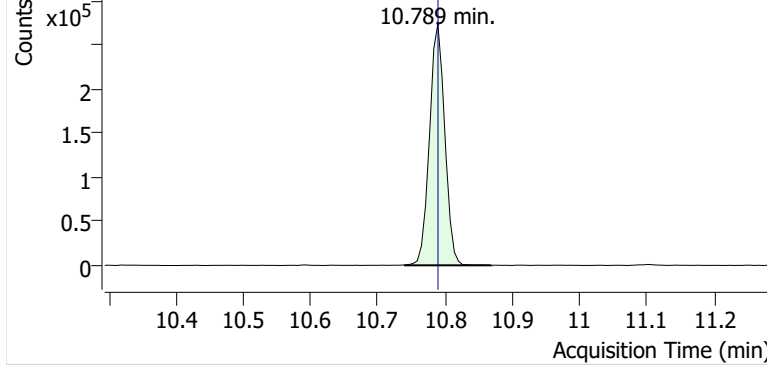


**Benzene**

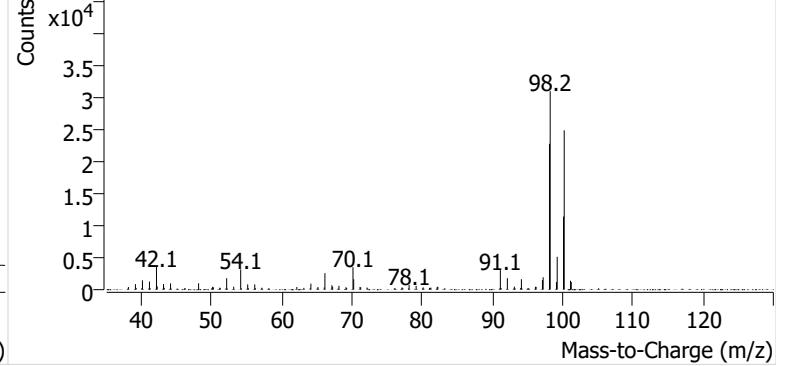


**Toluene-d8 (IS)**

+ EIC (98.1) Scan K2506136.D

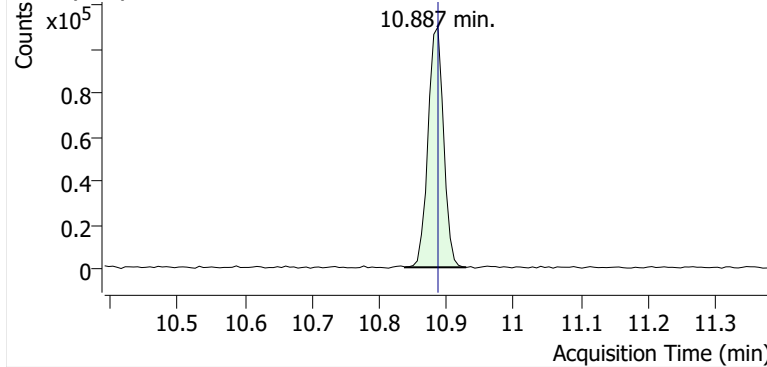


+ Scan (10.740-10.869 min, 22 scans) K2506136.D

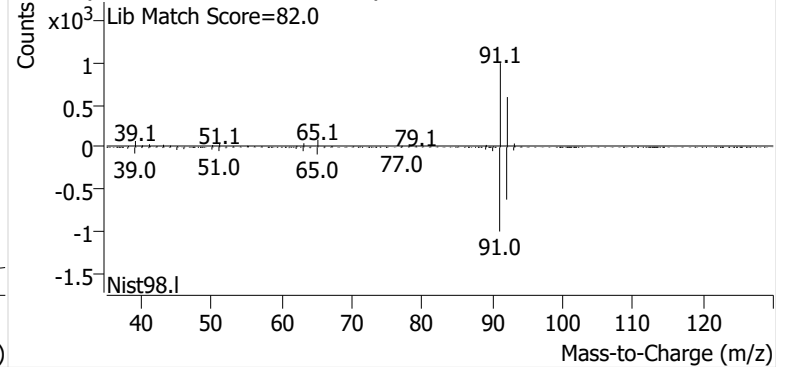


**Toluene**

+ EIC (91.1) Scan K2506136.D

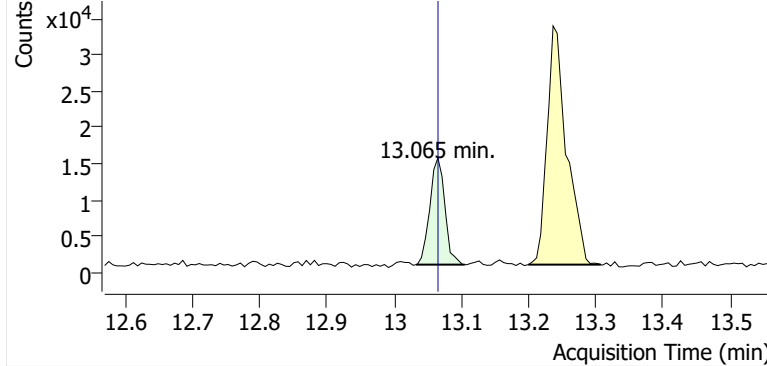


+ Scan (10.838-10.929 min, 15 scans) K2506136.D

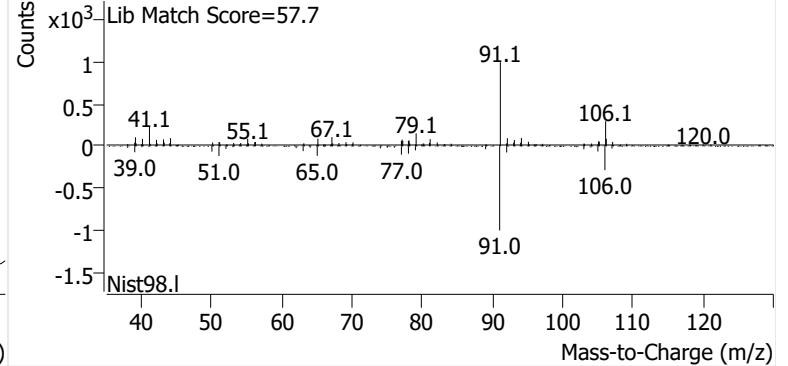


**Ethylbenzene**

+ EIC (91.1) Scan K2506136.D

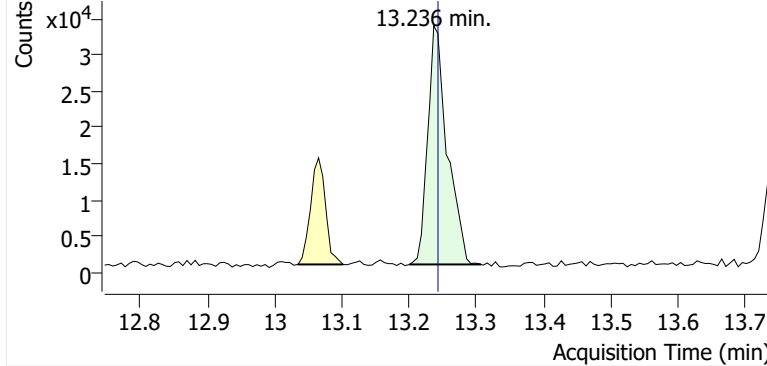


+ Scan (13.033-13.105 min, 12 scans) K2506136.D

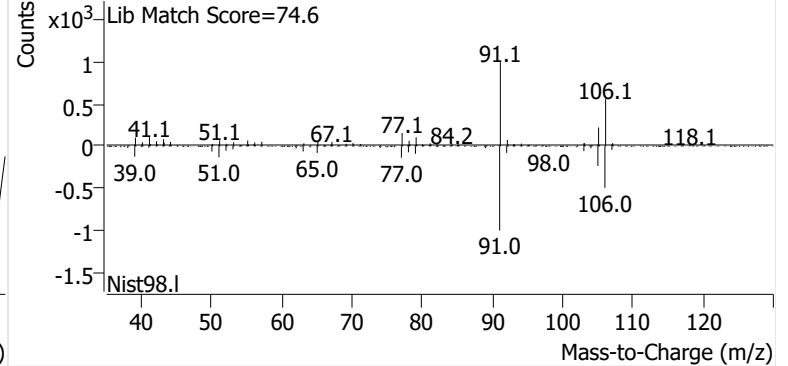


**m-/p-Xylenes**

+ EIC (91.1) Scan K2506136.D

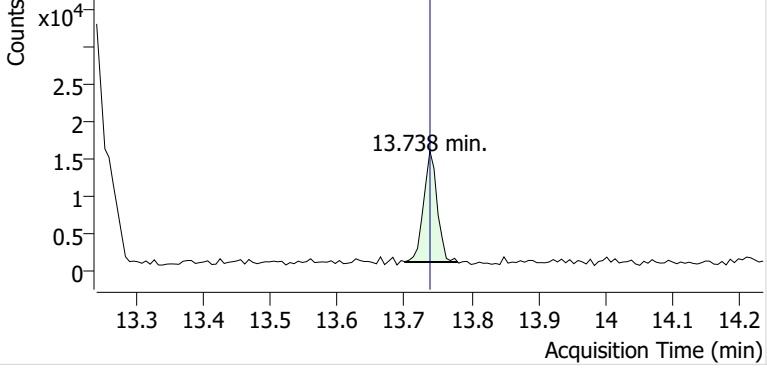


+ Scan (13.200-13.307 min, 17 scans) K2506136.D

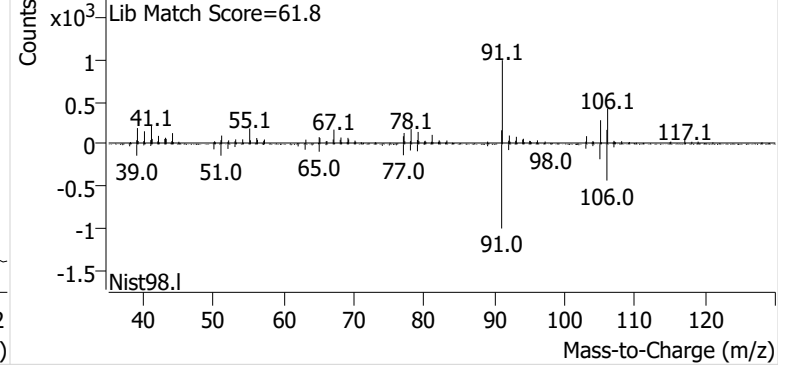


**o-Xylene**

+ EIC (91.1) Scan K2506136.D

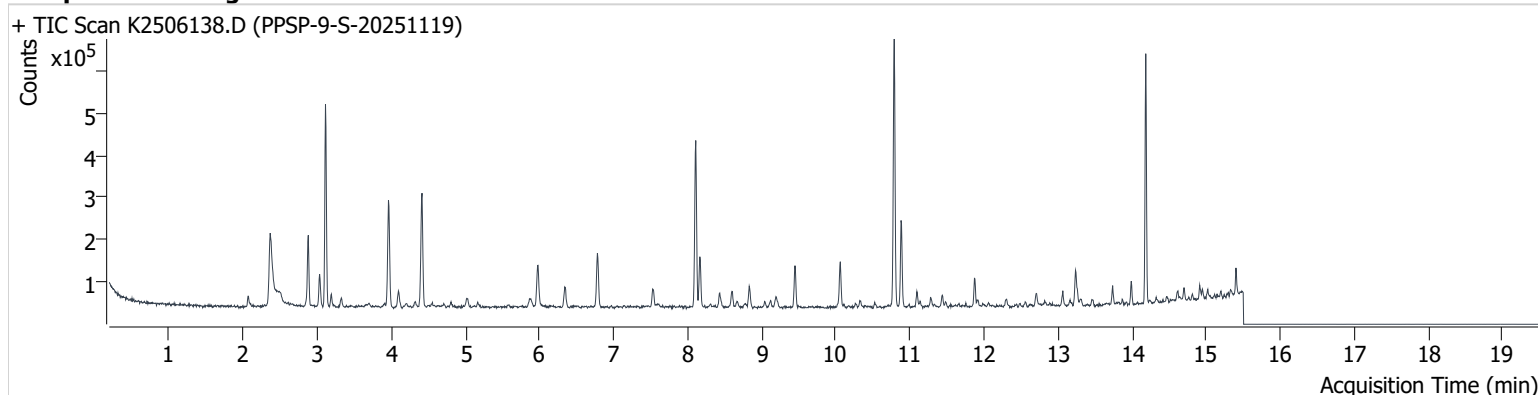


+ Scan (13.701-13.779 min, 13 scans) K2506136.D



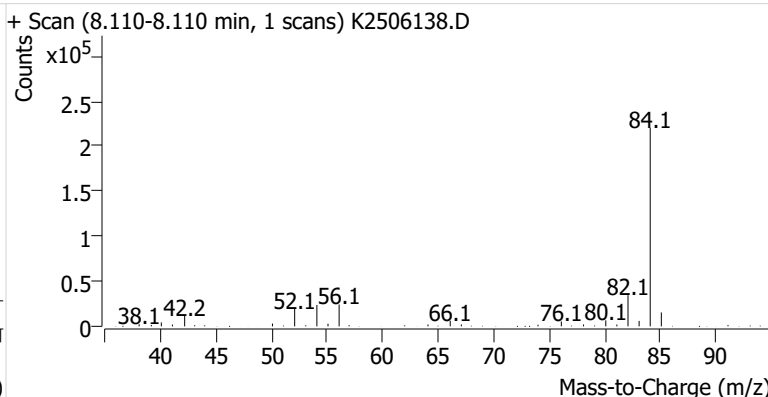
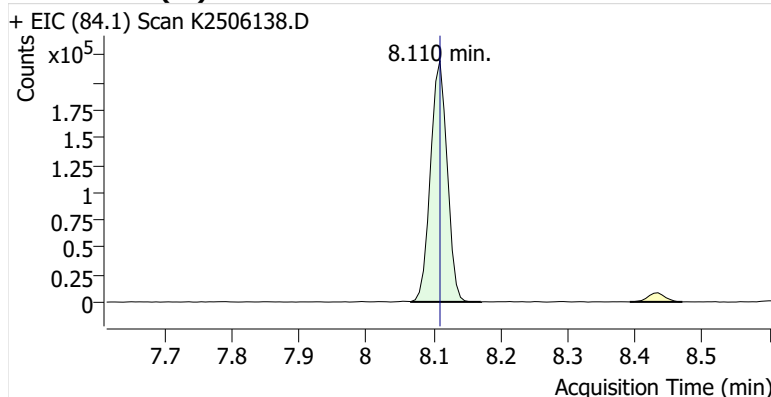
**Name** PPSP-9-S-20251119  
**Comment** C57513  
**Data File** K2506138.D  
**Acq. Date-Time** 12/11/2025 8:01:33 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

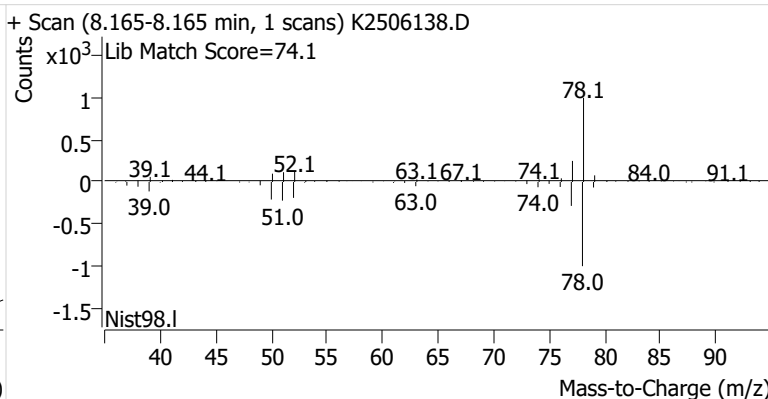
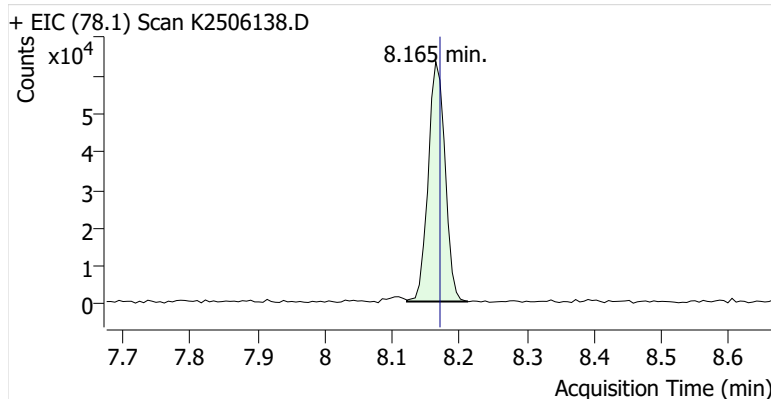


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.110	8.110	379,098	
Benzene	benzene-d6 (IS)	8.165	8.171	109,552	
Toluene-d8 (IS)		10.789	10.789	432,836	
Toluene	Toluene-d8 (IS)	10.881	10.887	147,198	
Ethylbenzene	Toluene-d8 (IS)	13.065	13.065	21,992	
m-/p-Xylenes	Toluene-d8 (IS)	13.236	13.243	61,273	
o-Xylene	Toluene-d8 (IS)	13.738	13.738	20,298	

**benzene-d6 (IS)**

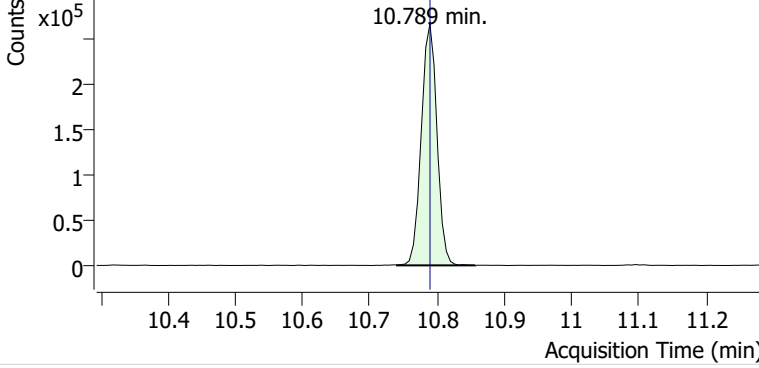


**Benzene**

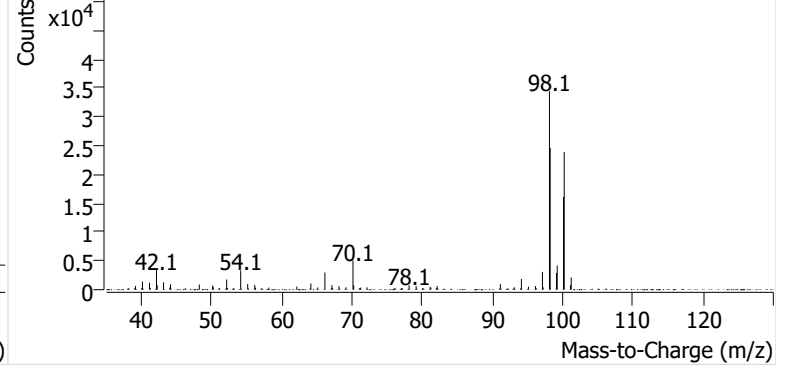


**Toluene-d8 (IS)**

+ EIC (98.1) Scan K2506138.D

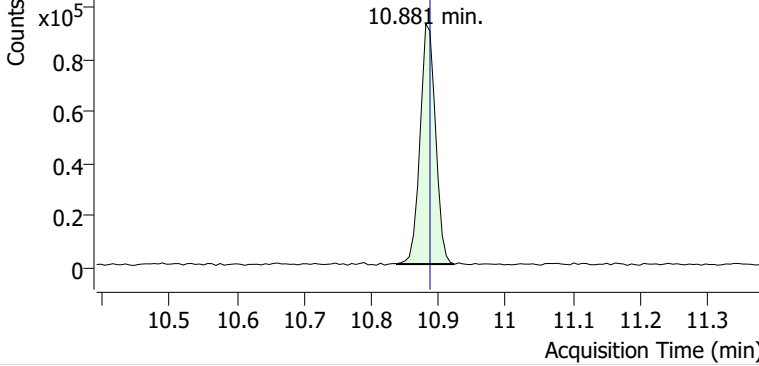


+ Scan (10.740-10.856 min, 20 scans) K2506138.D

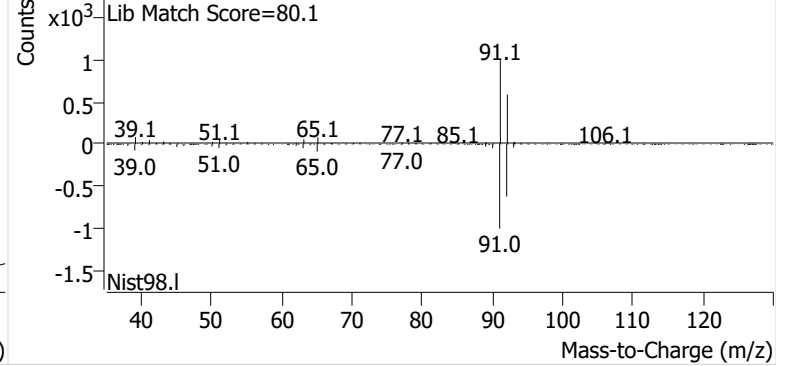


**Toluene**

+ EIC (91.1) Scan K2506138.D

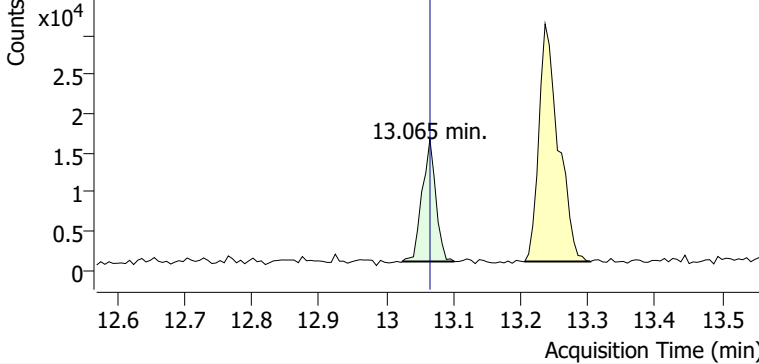


+ Scan (10.838-10.923 min, 14 scans) K2506138.D

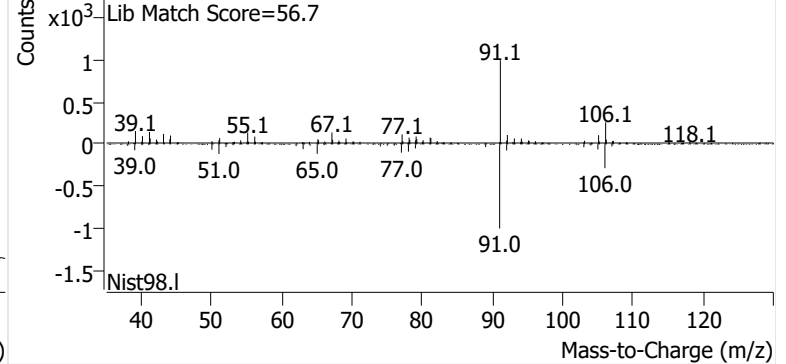


**Ethylbenzene**

+ EIC (91.1) Scan K2506138.D

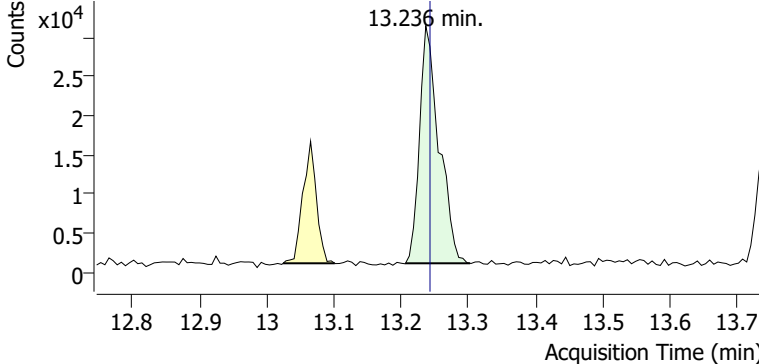


+ Scan (13.024-13.101 min, 12 scans) K2506138.D

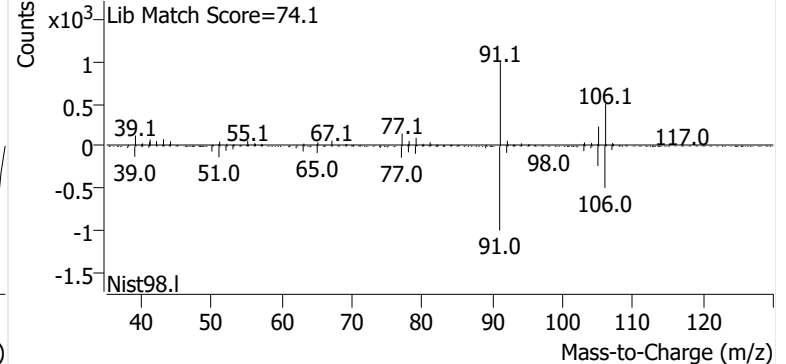


**m-/p-Xylenes**

+ EIC (91.1) Scan K2506138.D

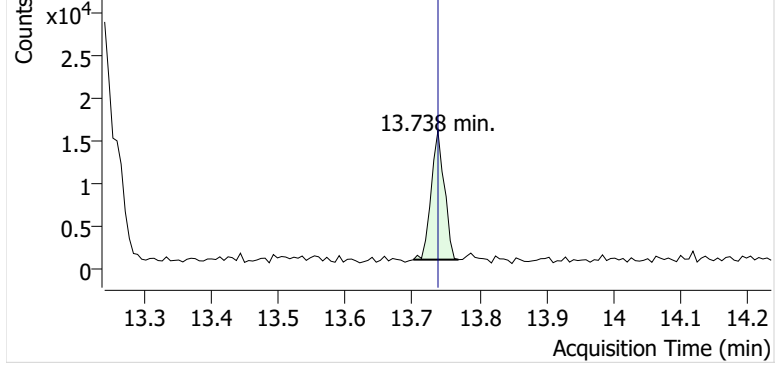


+ Scan (13.206-13.302 min, 15 scans) K2506138.D

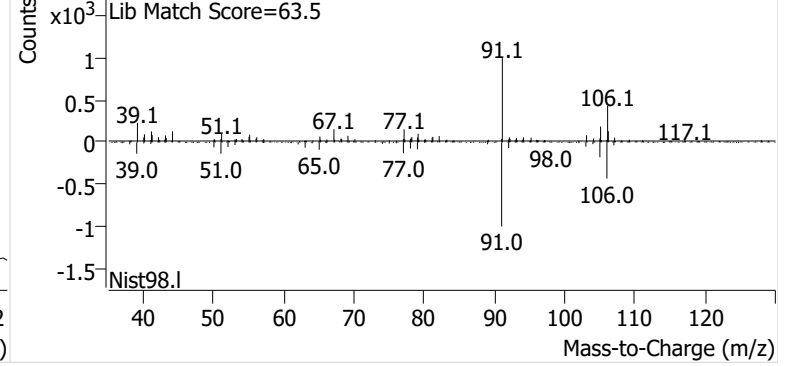


**o-Xylene**

+ EIC (91.1) Scan K2506138.D

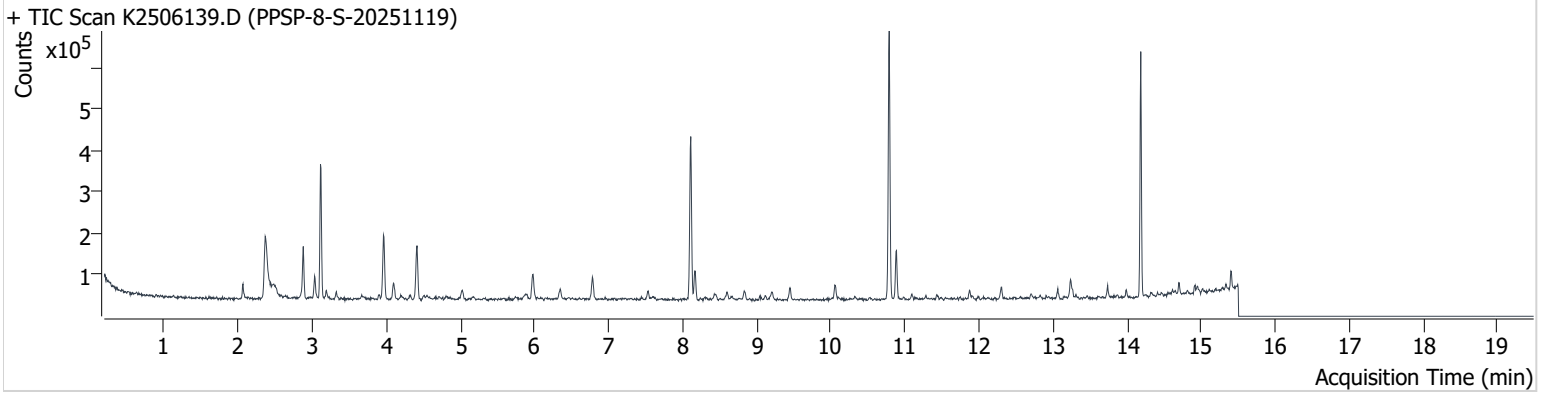


+ Scan (13.701-13.769 min, 10 scans) K2506138.D



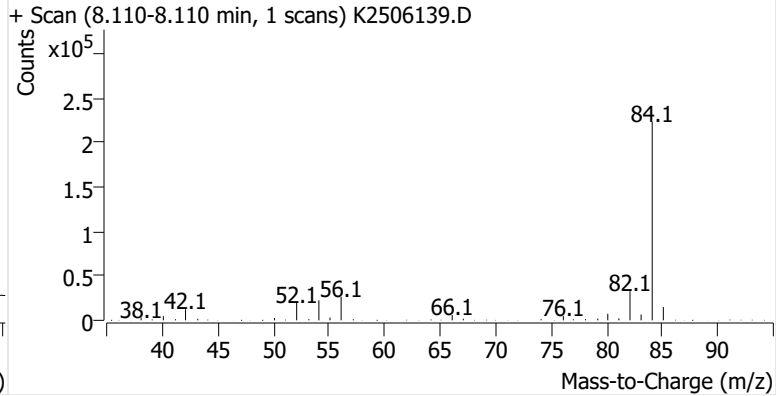
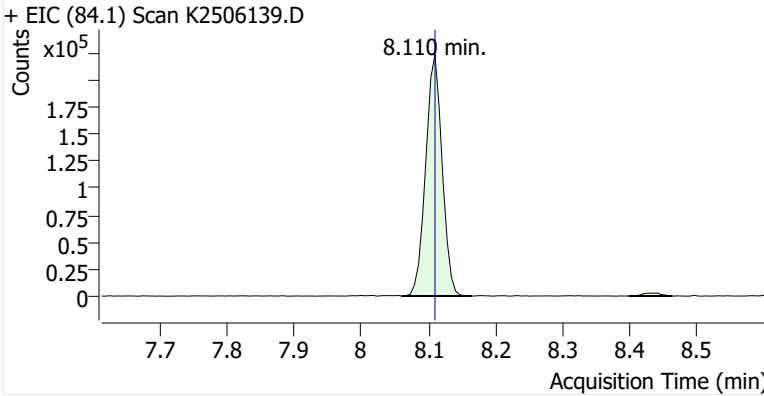
**Name** PPSP-8-S-20251119  
**Comment** C61567  
**Data File** K2506139.D  
**Acq. Date-Time** 12/11/2025 8:29:04 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

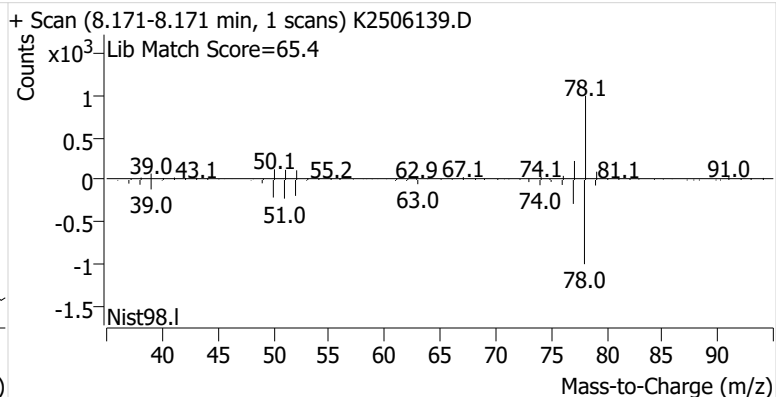
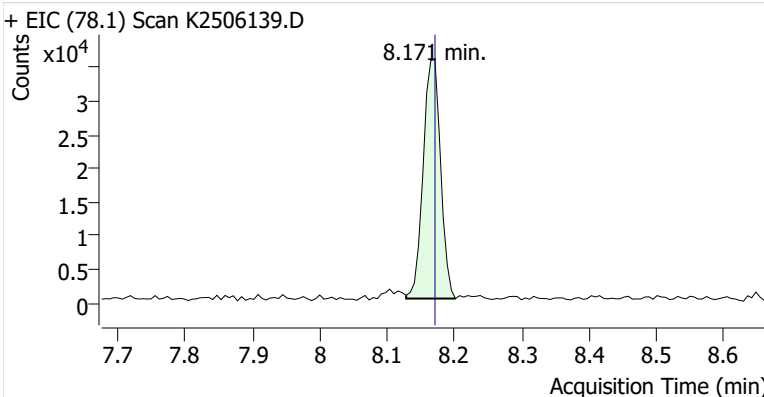


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.110	8.110	378,613	
Benzene	benzene-d6 (IS)	8.171	8.171	63,610	
Toluene-d8 (IS)		10.789	10.789	430,056	
Toluene	Toluene-d8 (IS)	10.881	10.887	85,202	
Ethylbenzene	Toluene-d8 (IS)	13.065	13.065	14,755	
m-/p-Xylenes	Toluene-d8 (IS)	13.242	13.243	33,550	
o-Xylene	Toluene-d8 (IS)	13.738	13.738	13,625	

**benzene-d6 (IS)**

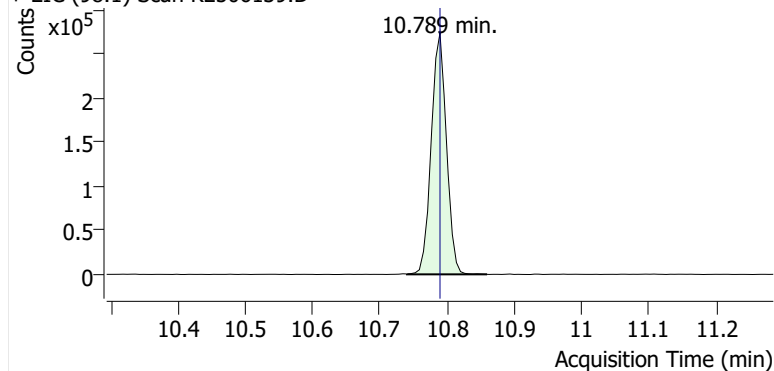


**Benzene**

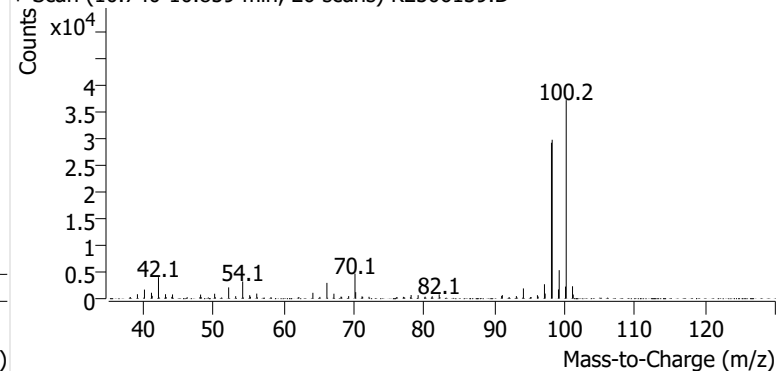


**Toluene-d8 (IS)**

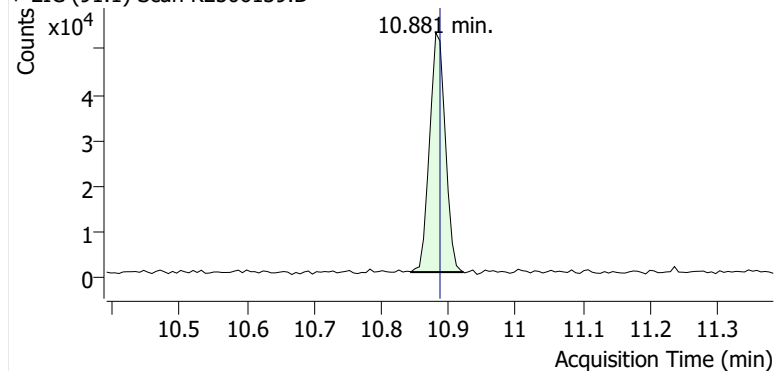
+ EIC (98.1) Scan K2506139.D



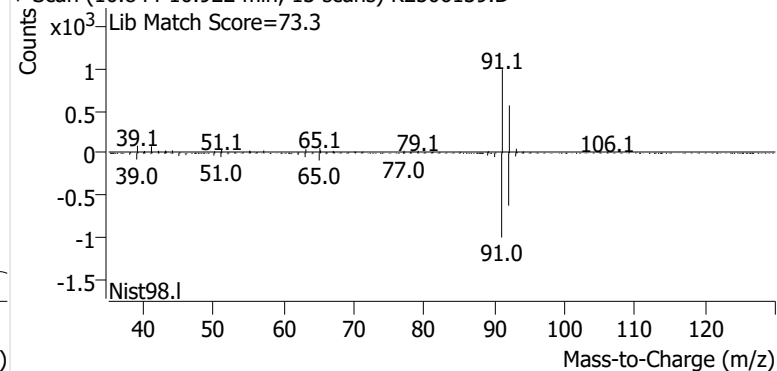
+ Scan (10.740-10.859 min, 20 scans) K2506139.D

**Toluene**

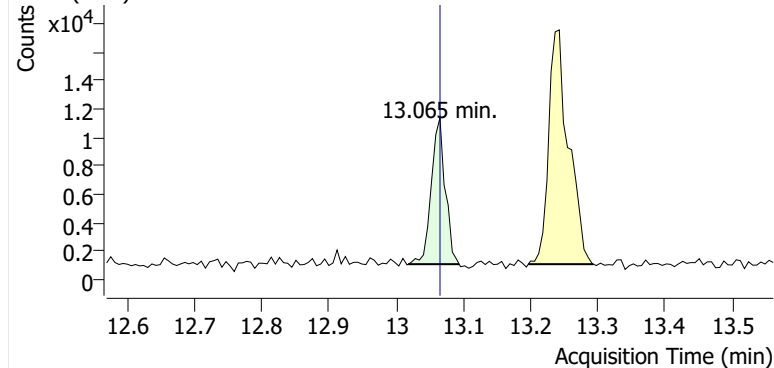
+ EIC (91.1) Scan K2506139.D



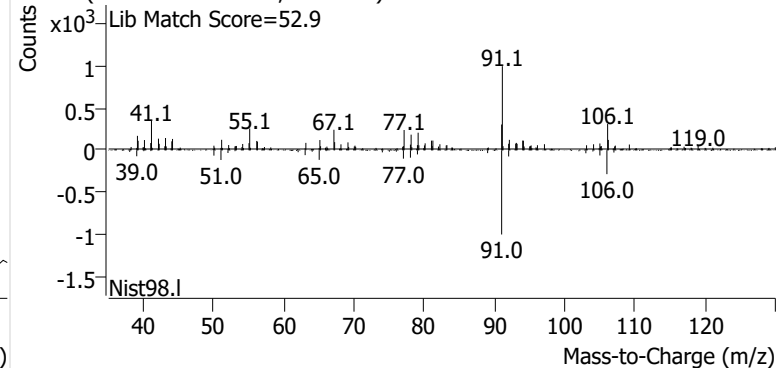
+ Scan (10.844-10.922 min, 13 scans) K2506139.D

**Ethylbenzene**

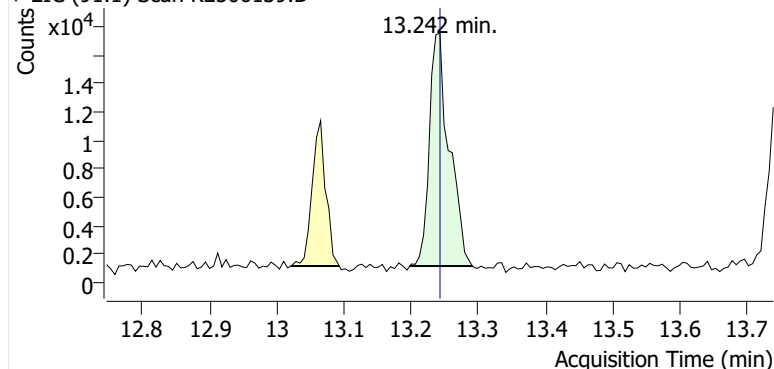
+ EIC (91.1) Scan K2506139.D



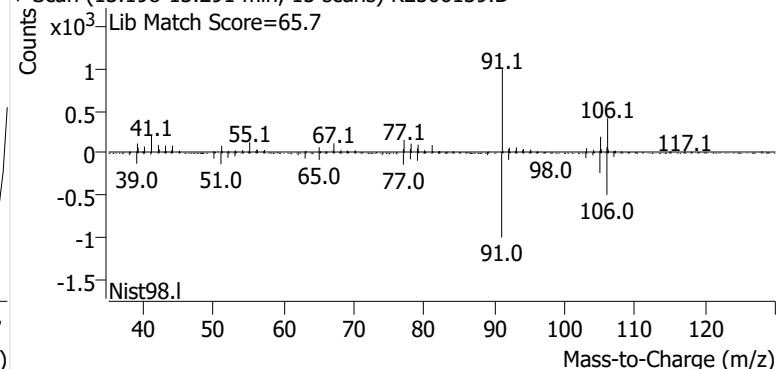
+ Scan (13.018-13.094 min, 12 scans) K2506139.D

**m-/p-Xylenes**

+ EIC (91.1) Scan K2506139.D

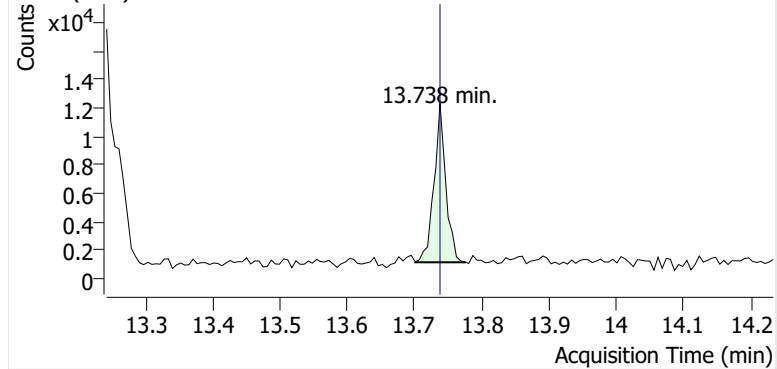


+ Scan (13.198-13.291 min, 15 scans) K2506139.D

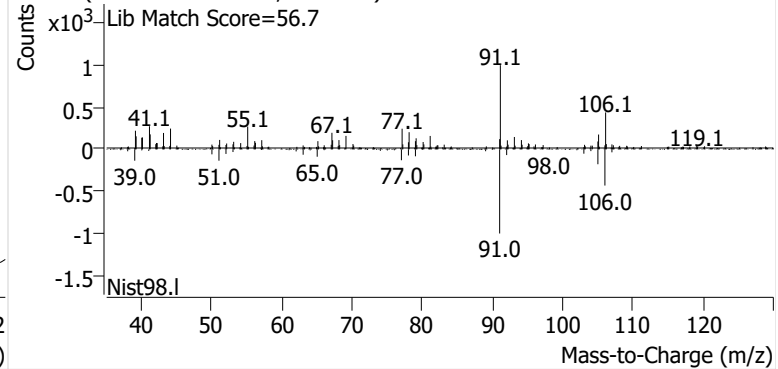


**o-Xylene**

+ EIC (91.1) Scan K2506139.D

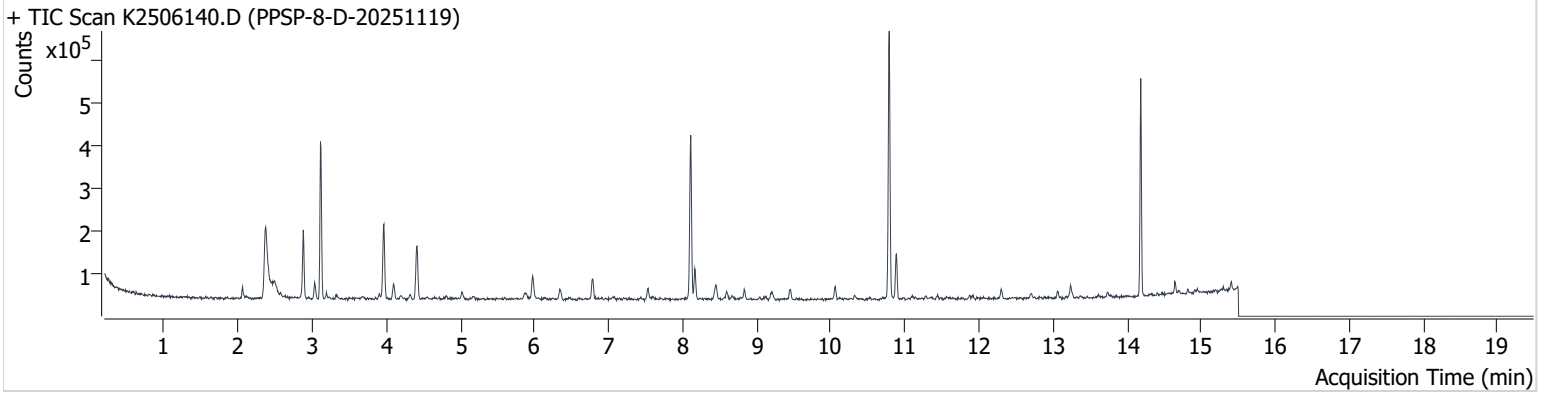


+ Scan (13.701-13.776 min, 13 scans) K2506139.D



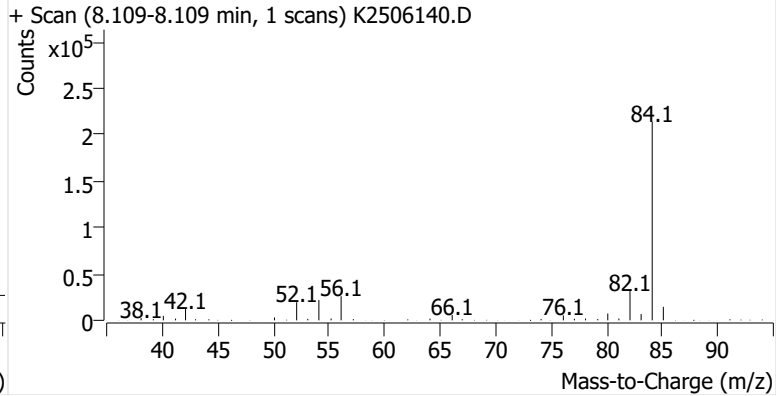
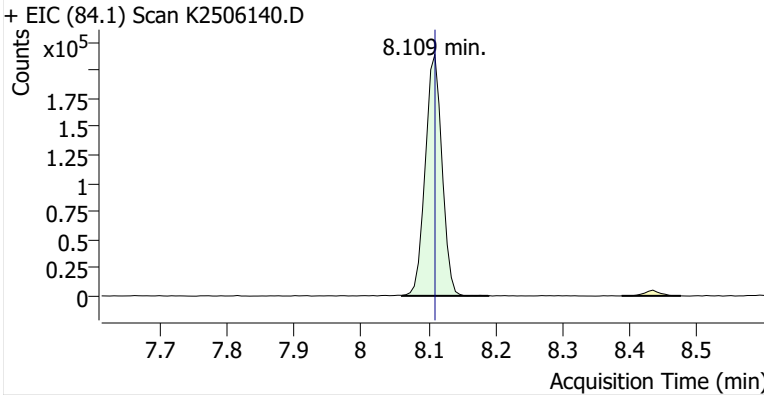
**Name** PPSP-8-D-20251119  
**Comment** C37460  
**Data File** K2506140.D  
**Acq. Date-Time** 12/11/2025 8:56:36 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

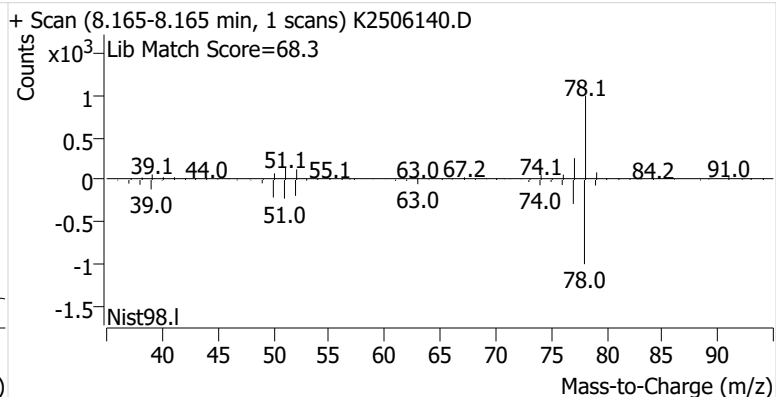
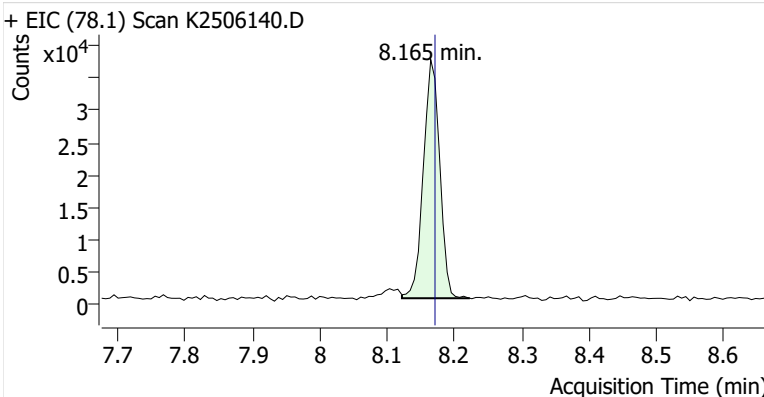


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.109	8.110	370,368	
Benzene	benzene-d6 (IS)	8.165	8.171	63,048	
Toluene-d8 (IS)		10.789	10.789	418,343	
Toluene	Toluene-d8 (IS)	10.887	10.887	77,154	
Ethylbenzene	Toluene-d8 (IS)	13.065	13.065	12,446	
m-/p-Xylenes	Toluene-d8 (IS)	13.236	13.243	18,078	
o-Xylene	Toluene-d8 (IS)	13.738	13.738	6,040	

**benzene-d6 (IS)**

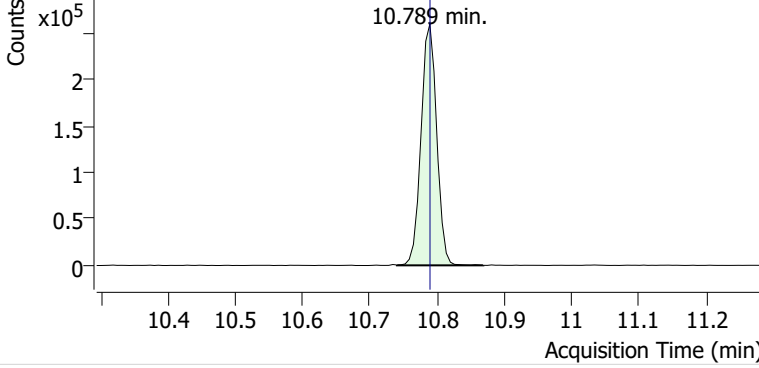


**Benzene**

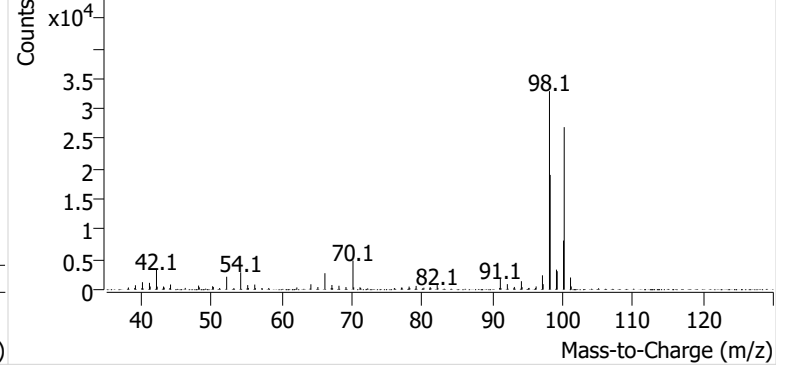


**Toluene-d8 (IS)**

+ EIC (98.1) Scan K2506140.D

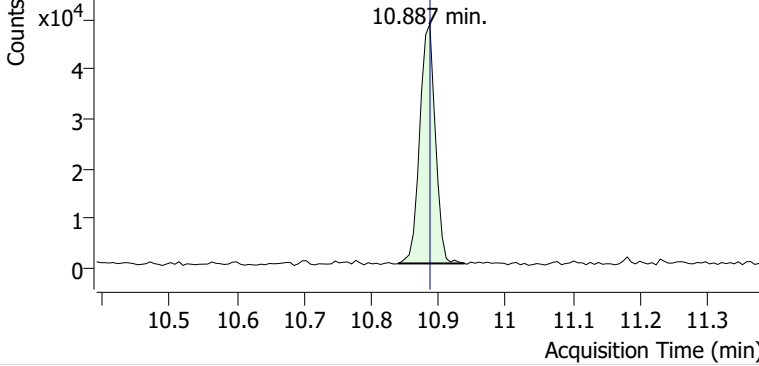


+ Scan (10.740-10.869 min, 22 scans) K2506140.D

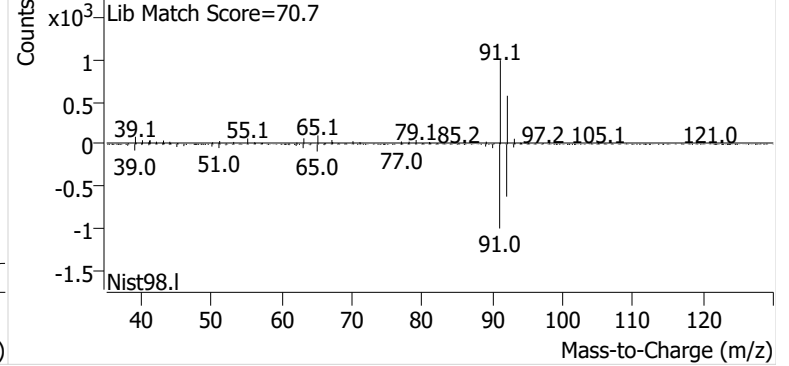


**Toluene**

+ EIC (91.1) Scan K2506140.D

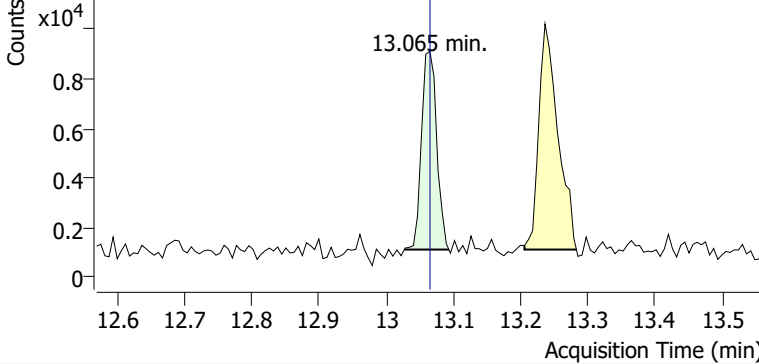


+ Scan (10.840-10.939 min, 16 scans) K2506140.D

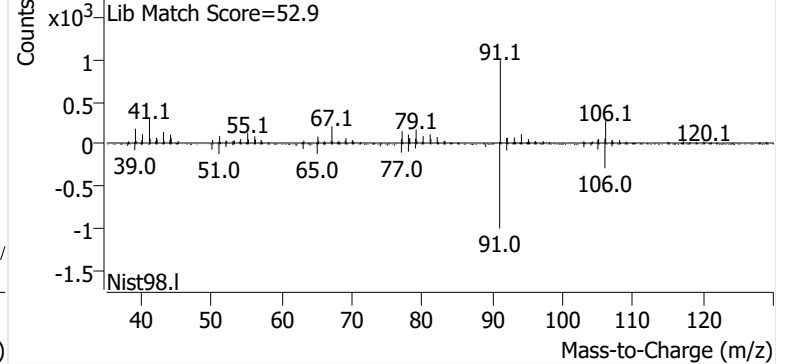


**Ethylbenzene**

+ EIC (91.1) Scan K2506140.D

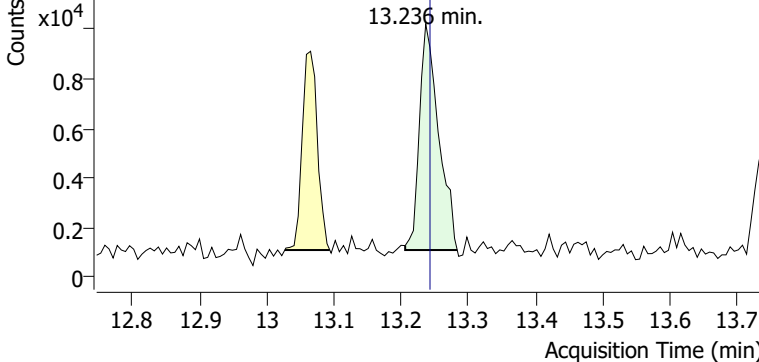


+ Scan (13.027-13.093 min, 11 scans) K2506140.D

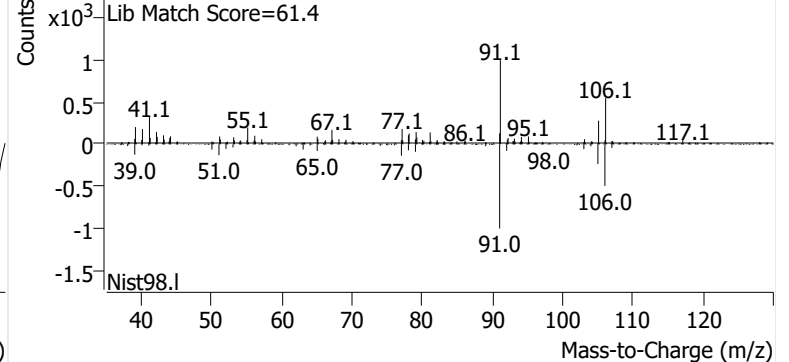


**m-/p-Xylenes**

+ EIC (91.1) Scan K2506140.D

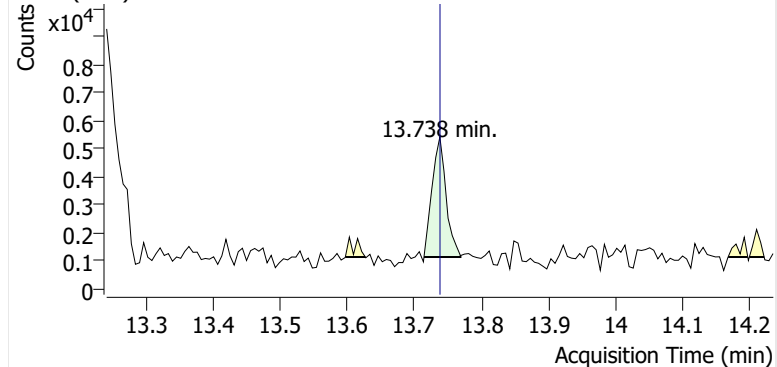


+ Scan (13.206-13.283 min, 13 scans) K2506140.D

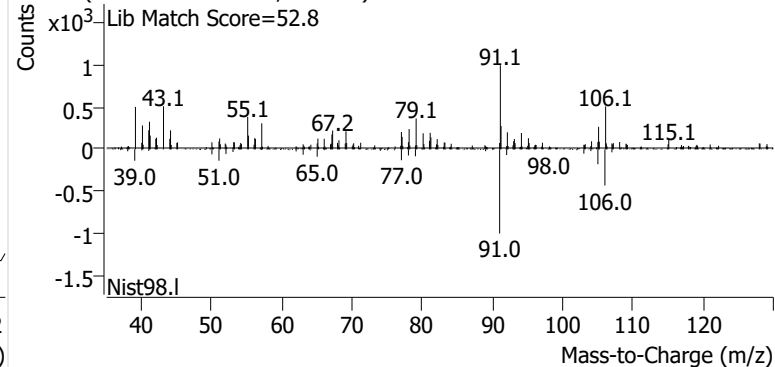


**o-Xylene**

+ EIC (91.1) Scan K2506140.D

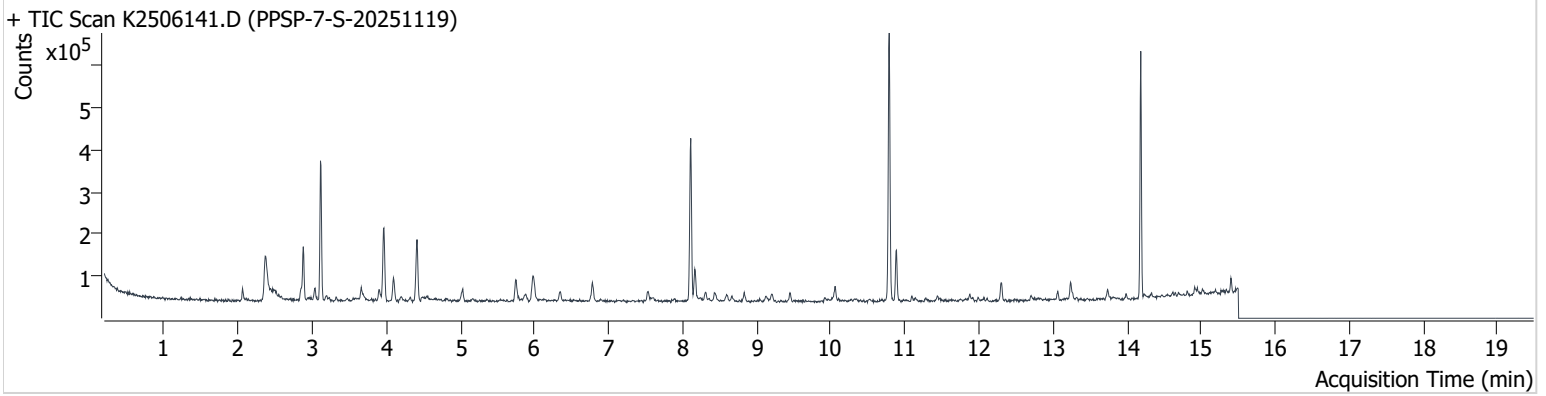


+ Scan (13.714-13.768 min, 9 scans) K2506140.D



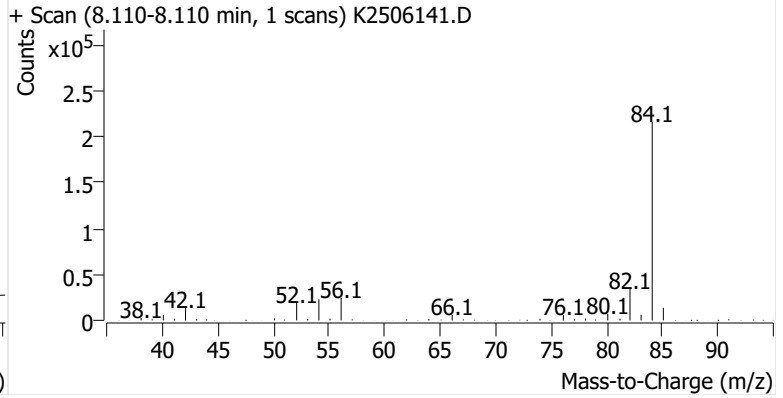
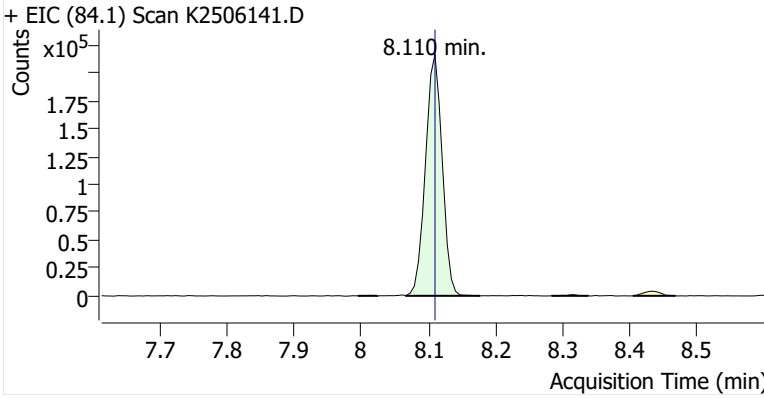
**Name** PPSP-7-S-20251119  
**Comment** C71673  
**Data File** K2506141.D  
**Acq. Date-Time** 12/11/2025 9:24:11 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

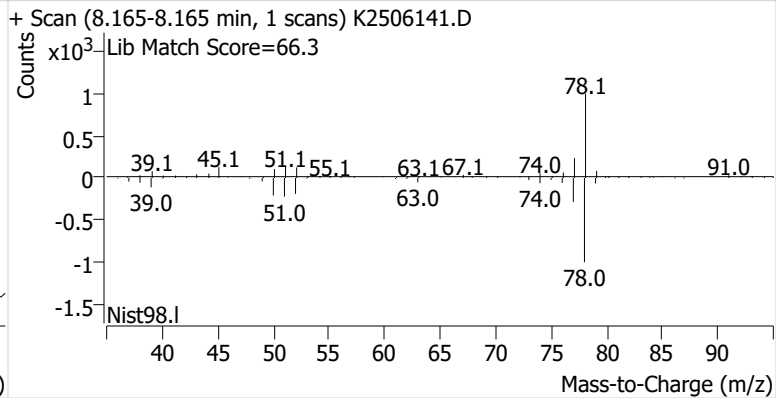
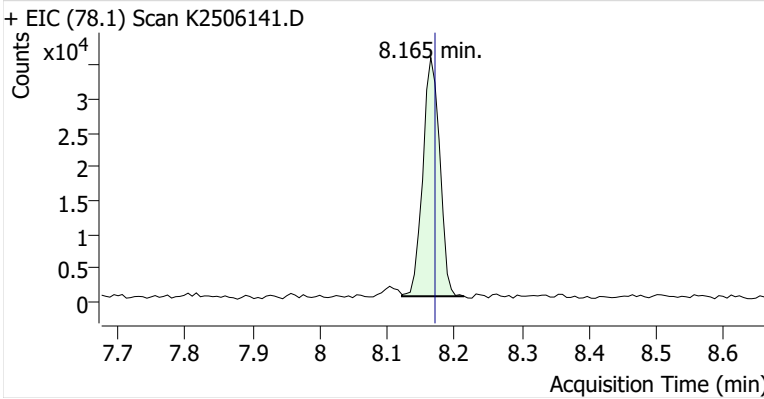


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.110	8.110	372,657	
Benzene	benzene-d6 (IS)	8.165	8.171	61,843	
Toluene-d8 (IS)		10.789	10.789	425,823	
Toluene	Toluene-d8 (IS)	10.887	10.887	85,951	
Ethylbenzene	Toluene-d8 (IS)	13.065	13.065	12,886	
m-/p-Xylenes	Toluene-d8 (IS)	13.236	13.243	29,282	
o-Xylene	Toluene-d8 (IS)	13.738	13.738	11,504	

**benzene-d6 (IS)**

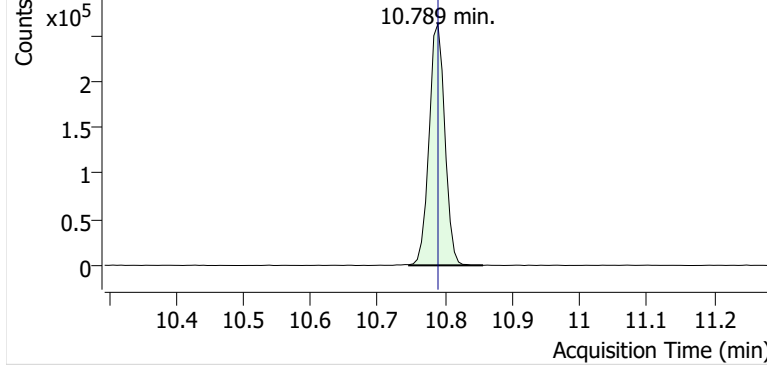


**Benzene**

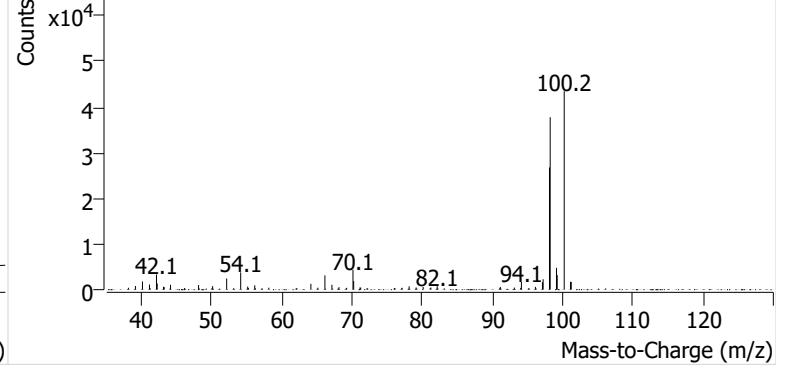


**Toluene-d8 (IS)**

+ EIC (98.1) Scan K2506141.D

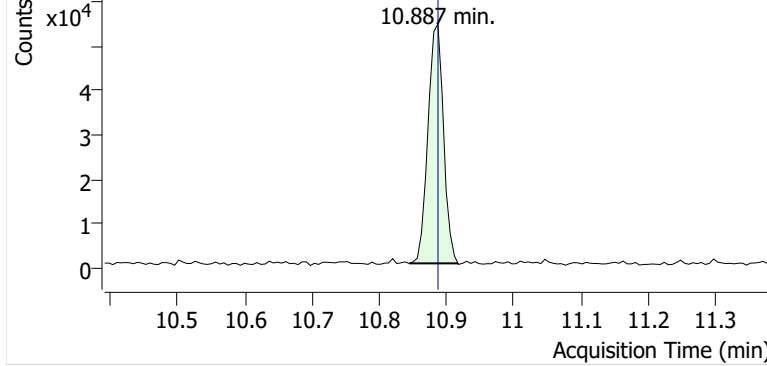


+ Scan (10.746-10.856 min, 18 scans) K2506141.D

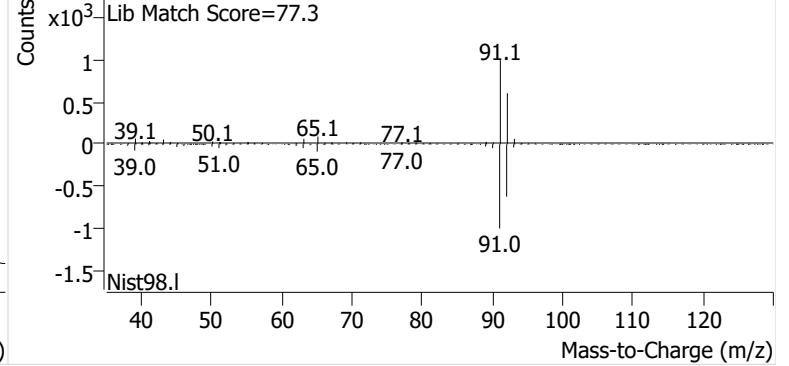


**Toluene**

+ EIC (91.1) Scan K2506141.D

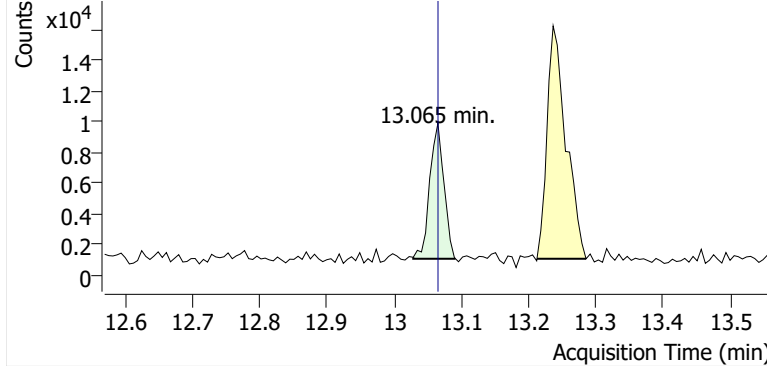


+ Scan (10.845-10.917 min, 11 scans) K2506141.D

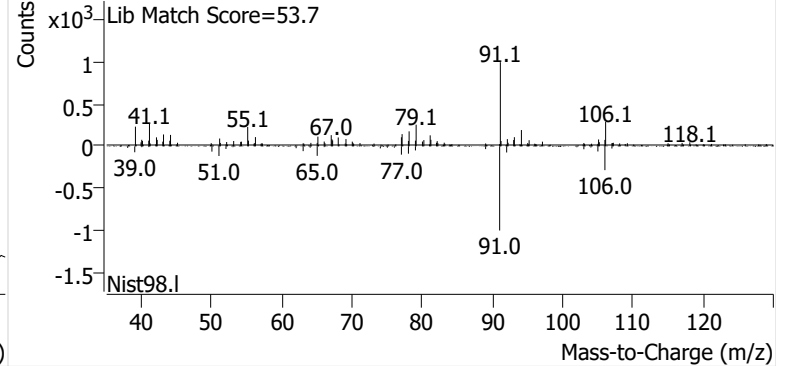


**Ethylbenzene**

+ EIC (91.1) Scan K2506141.D

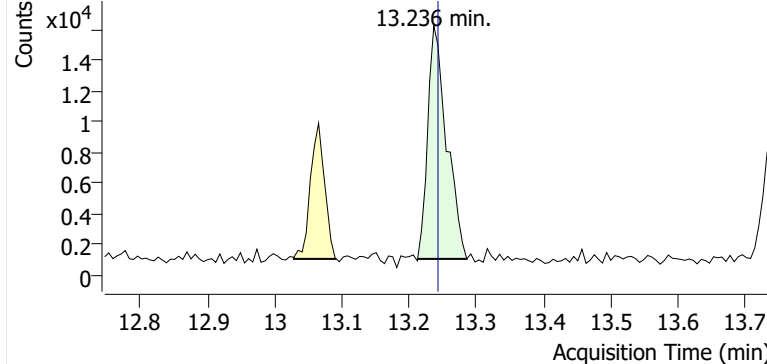


+ Scan (13.028-13.091 min, 11 scans) K2506141.D

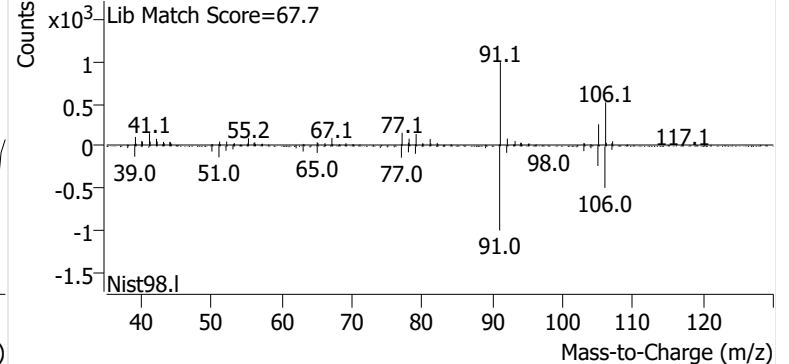


**m-/p-Xylenes**

+ EIC (91.1) Scan K2506141.D

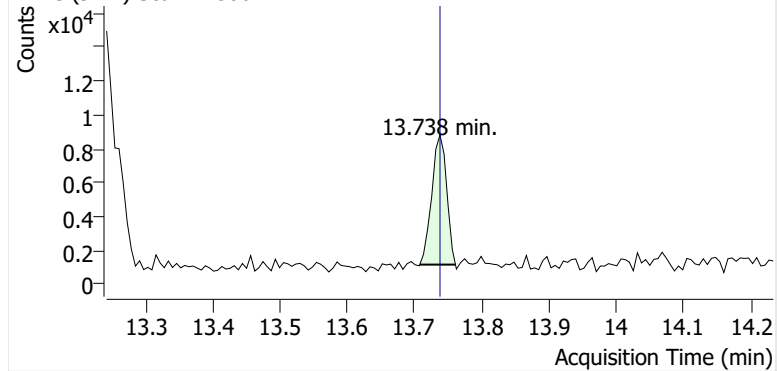


+ Scan (13.212-13.285 min, 12 scans) K2506141.D

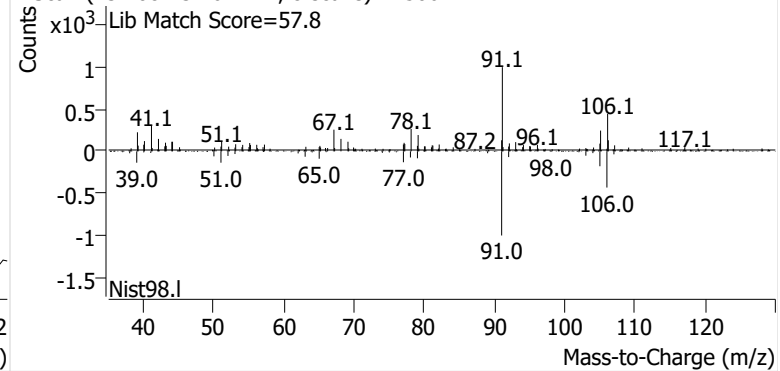


**o-Xylene**

+ EIC (91.1) Scan K2506141.D

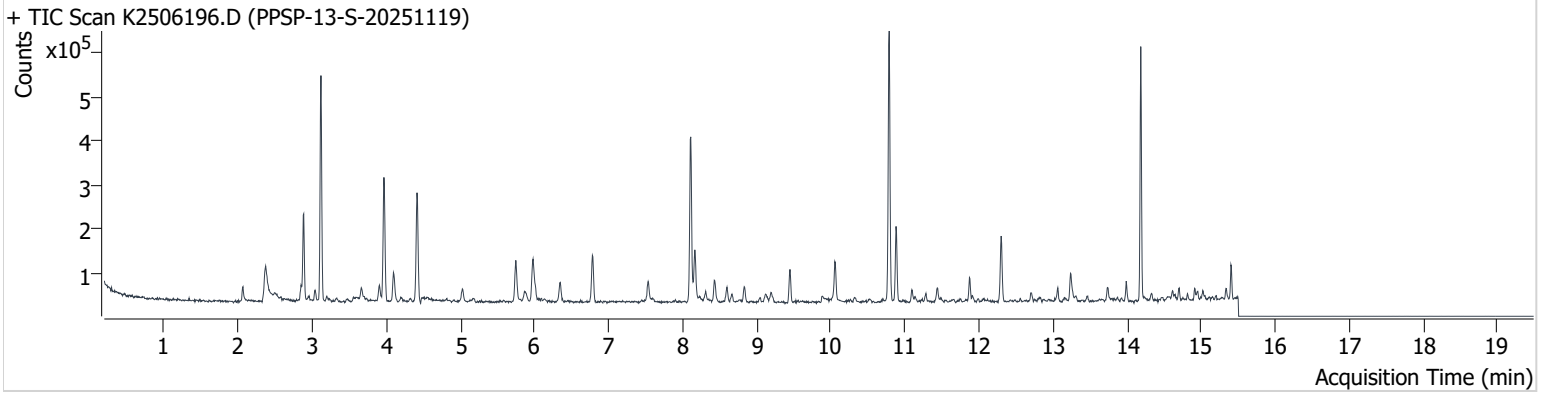


+ Scan (13.708-13.761 min, 8 scans) K2506141.D



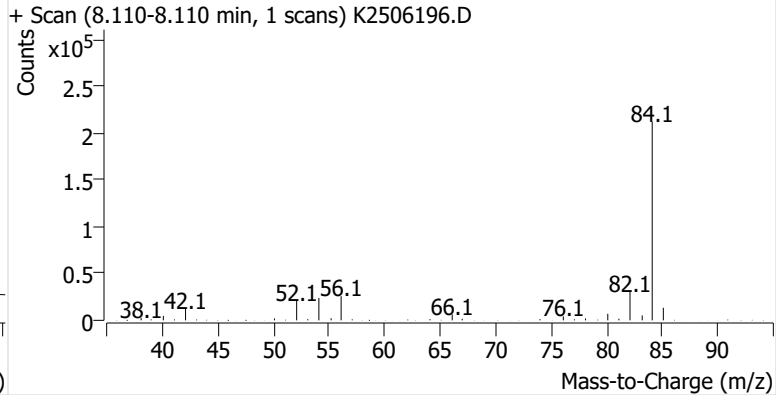
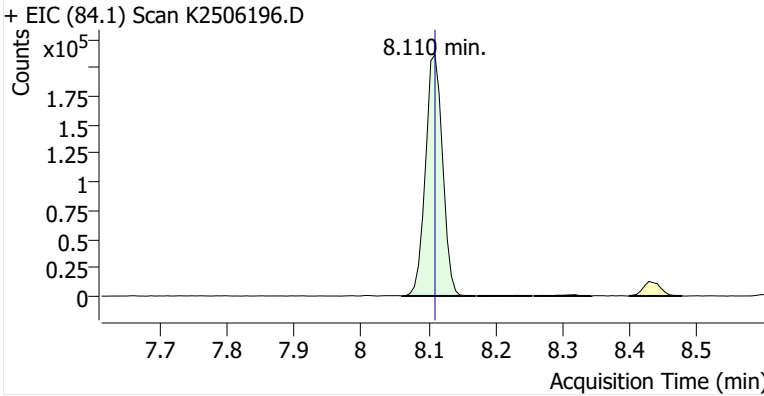
**Name** PPSP-13-S-20251119  
**Comment** C71610  
**Data File** K2506196.D  
**Acq. Date-Time** 12/13/2025 12:12:17 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

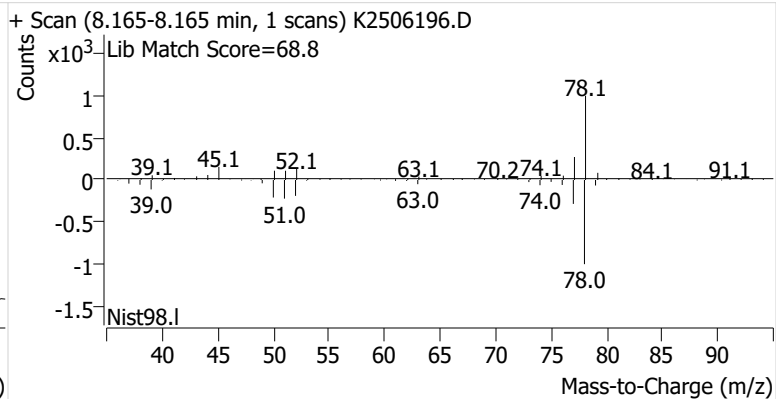
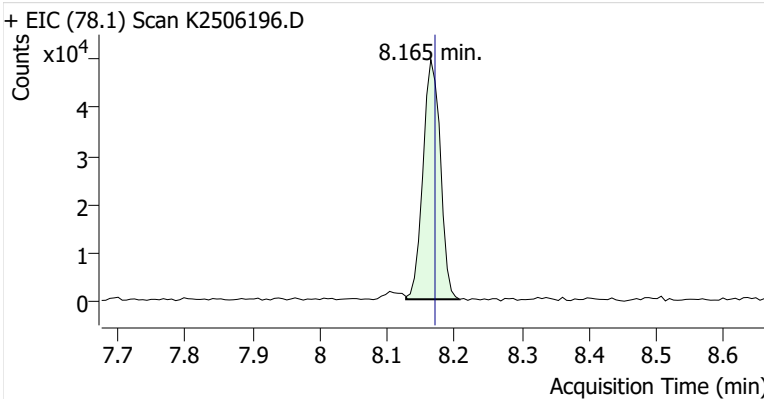


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.110	8.110	374,957	
Benzene	benzene-d6 (IS)	8.165	8.171	88,448	
Toluene-d8 (IS)		10.789	10.789	423,581	
Toluene	Toluene-d8 (IS)	10.881	10.887	122,700	
Ethylbenzene	Toluene-d8 (IS)	13.065	13.065	18,125	
m-/p-Xylenes	Toluene-d8 (IS)	13.242	13.243	49,142	
o-Xylene	Toluene-d8 (IS)	13.738	13.738	16,509	

**benzene-d6 (IS)**

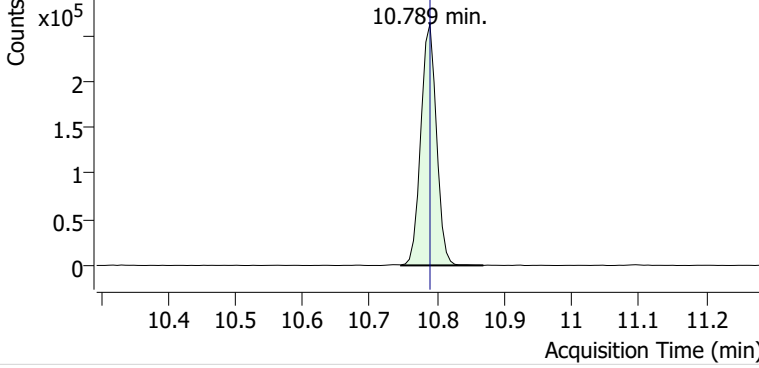


**Benzene**

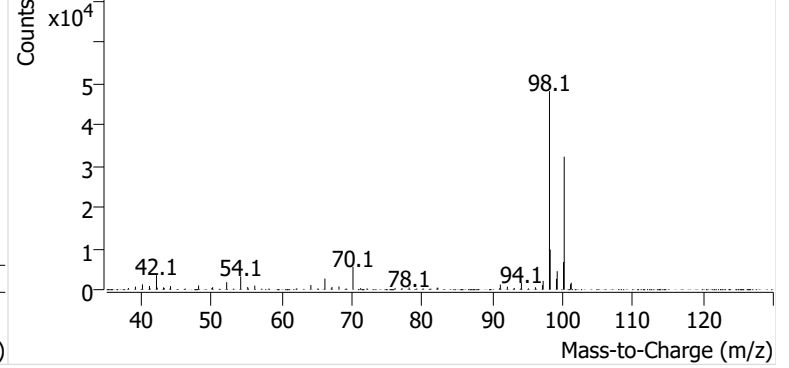


**Toluene-d8 (IS)**

+ EIC (98.1) Scan K2506196.D

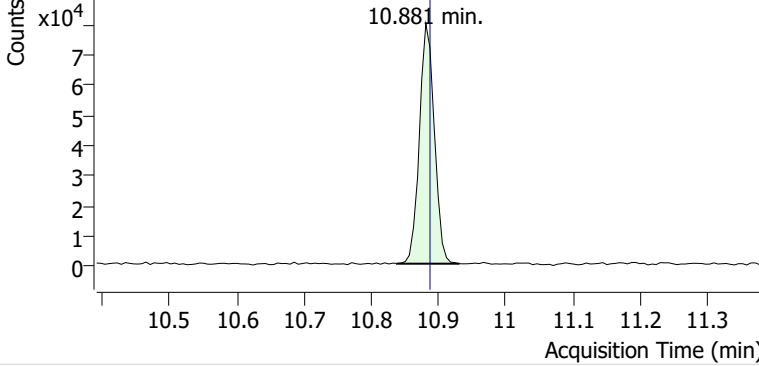


+ Scan (10.746-10.869 min, 20 scans) K2506196.D

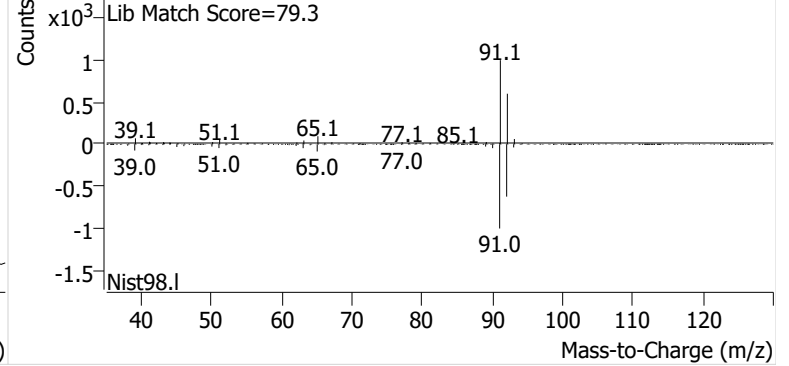


**Toluene**

+ EIC (91.1) Scan K2506196.D

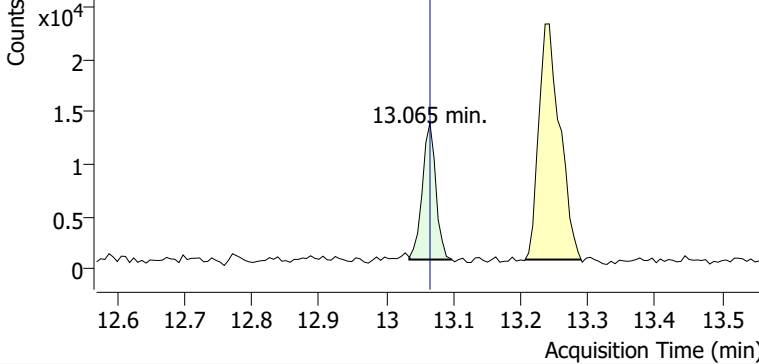


+ Scan (10.838-10.931 min, 16 scans) K2506196.D

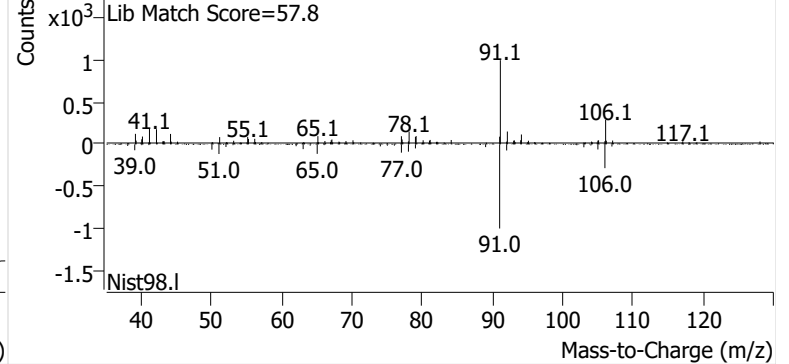


**Ethylbenzene**

+ EIC (91.1) Scan K2506196.D

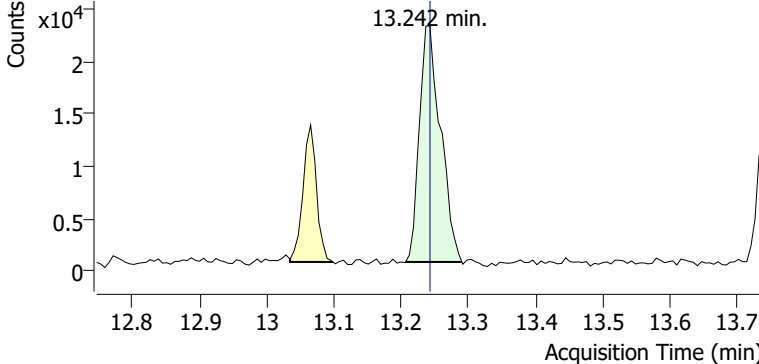


+ Scan (13.034-13.098 min, 11 scans) K2506196.D

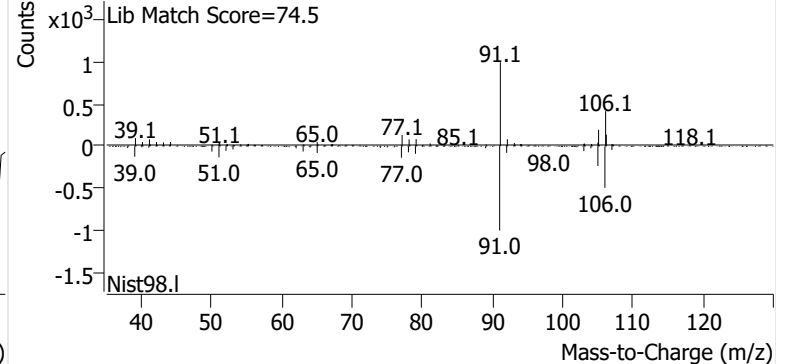


**m-/p-Xylenes**

+ EIC (91.1) Scan K2506196.D

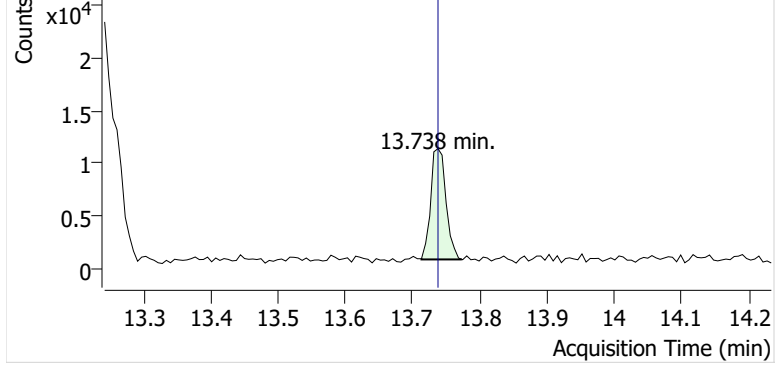


+ Scan (13.206-13.290 min, 13 scans) K2506196.D

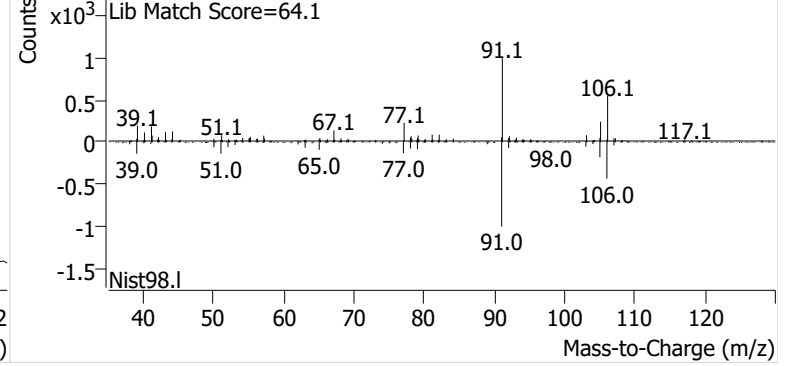


**o-Xylene**

+ EIC (91.1) Scan K2506196.D



+ Scan (13.714-13.774 min, 10 scans) K2506196.D



# Initial Calibration



# Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW405-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

## Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
K120925A_CC185154_R1	Benzene	1	K2506095.D	5.92	48135	54.6	464171	0.957	-0.13
K120925A_CC185154_R1	Benzene	2	K2506086.D	11.88	121366	54.6	439539	1.269	0.15
K120925A_CC185154_R1	Benzene	3	K2506087.D	23.77	238047	54.6	446752	1.224	0.11
K120925A_CC185154_R1	Benzene	4	K2506088.D	47.53	470015	54.6	437506	1.234	0.12
K120925A_CC185154_R1	Benzene	5	K2506089.D	119.46	1067856	54.6	437082	1.117	0.013
K120925A_CC185154_R1	Benzene	6	K2506090.D	237.67	2027336	54.6	430822	1.081	-0.02
K120925A_CC185154_R1	Benzene	7	K2506091.D	713.00	4618604	54.6	422006	0.838	-0.24
						Avg:	439697	1.103	
						%RSD:	3.0%	14.4%	
K120925A_CC185154_R1	Toluene	1	K2506095.D	5.20	68004	64.4	524319	1.607	0.14
K120925A_CC185154_R1	Toluene	2	K2506086.D	10.44	144194	64.4	503705	1.767	0.25
K120925A_CC185154_R1	Toluene	3	K2506087.D	20.87	252197	64.4	498320	1.562	0.1
K120925A_CC185154_R1	Toluene	4	K2506088.D	41.75	460312	64.4	492005	1.444	0.02
K120925A_CC185154_R1	Toluene	5	K2506089.D	104.93	803717	64.4	491832	1.003	-0.29
K120925A_CC185154_R1	Toluene	6	K2506090.D	208.74	1760751	64.4	490183	1.109	-0.22
						Avg:	500061	1.415	
						%RSD:	2.6%	21.1%	
K120925A_CC185154_R1	Ethylbenzene	1	K2506095.D	5.40	50081	64.4	524319	1.139	-0.069
K120925A_CC185154_R1	Ethylbenzene	2	K2506086.D	10.85	119106	64.4	503705	1.404	0.15
K120925A_CC185154_R1	Ethylbenzene	3	K2506087.D	21.69	233601	64.4	498320	1.392	0.14
K120925A_CC185154_R1	Ethylbenzene	4	K2506088.D	43.39	474462	64.4	492005	1.432	0.17
K120925A_CC185154_R1	Ethylbenzene	5	K2506089.D	109.05	828600	64.4	491832	0.995	-0.19
K120925A_CC185154_R1	Ethylbenzene	6	K2506090.D	216.95	1607312	64.4	490183	0.974	-0.2
						Avg:	500061	1.223	
						%RSD:	2.6%	17.4%	
K120925A_CC185154_R1	m-/p-Xylenes	1	K2506095.D	6.06	44213	64.4	524319	0.897	0.086
K120925A_CC185154_R1	m-/p-Xylenes	2	K2506086.D	12.16	92403	64.4	503705	0.972	0.18
K120925A_CC185154_R1	m-/p-Xylenes	3	K2506087.D	24.31	173722	64.4	498320	0.924	0.12
K120925A_CC185154_R1	m-/p-Xylenes	4	K2506088.D	48.63	353384	64.4	492005	0.952	0.15
K120925A_CC185154_R1	m-/p-Xylenes	5	K2506089.D	122.22	695311	64.4	491832	0.745	-0.098
K120925A_CC185154_R1	m-/p-Xylenes	6	K2506090.D	243.14	1300279	64.4	490183	0.703	-0.15
K120925A_CC185154_R1	m-/p-Xylenes	7	K2506091.D	729.42	3285541	64.4	492364	0.589	-0.29
						Avg:	498961	0.826	
						%RSD:	2.4%	17.8%	
K120925A_CC185154_R1	o-Xylene	1	K2506095.D	5.63	38201	64.4	524319	0.834	-0.046
K120925A_CC185154_R1	o-Xylene	2	K2506086.D	11.31	90468	64.4	503705	1.024	0.17
K120925A_CC185154_R1	o-Xylene	3	K2506087.D	22.61	169675	64.4	498320	0.970	0.11
K120925A_CC185154_R1	o-Xylene	4	K2506088.D	45.22	348509	64.4	492005	1.009	0.16
K120925A_CC185154_R1	o-Xylene	5	K2506089.D	113.66	633404	64.4	491832	0.730	-0.16

## Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW405-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

### Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
K120925A_CC185154_R1	o-Xylene	6	K2506090.D	226.12	1158770	64.4	490183	0.674	-0.23
						Avg:	500061	0.873	
						%RSD:	2.6%	17.2%	

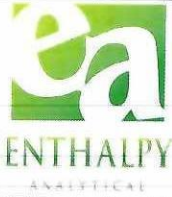
### Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
K120925A_CC185154_R1	Benzene	ICV	K2506092.D	446.91	3395059	54.6	424554	0.977	-11.0%
K120925A_CC185154_R1	Toluene	ICV	K2506092.D	457.64	3684463	64.4	487581	1.064	-25.0%
K120925A_CC185154_R1	Ethylbenzene	ICV	K2506092.D	452.48	3814721	64.4	487581	1.114	-8.9%
K120925A_CC185154_R1	m-/p-Xylenes	ICV	K2506092.D	459.52	3523235	64.4	487581	1.013	23.0%
K120925A_CC185154_R1	o-Xylene	ICV	K2506092.D	460.40	3147243	64.4	487581	0.903	3.4%

M325B PDF Report ver.20250917

# Sample Custody





# EPA Method 325 A/B Field Test Data Sheet and Chain of Custody Record

- Standard Turn Around Time (7 business days)
- Rush Turn Around Time
- All TATs Subject to Approval by Enthalpy Analytical, LLC
- Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

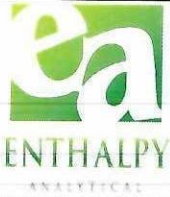
2025FW405 Page # 1 of # 2

Site Name: South Portland Terminal	Client Name: Portland Pipe Line	PO#:
Site Address:	Project Number:	Sample Event #
City:	Project Manager: Tom Rolfson	Sorbent:
State:	Email Address: <a href="mailto:tom.rolfson@powererg.com">tom.rolfson@powererg.com</a>	
Zip:	Telephone #:	

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
6	C55448	sample	11/19/25	11:10 AM	12/3/25	11:15 AM	JB / JB		
5	C69586	sample	11/19/25	11:15 AM	12/3/25	11:25 AM	JB / JB		
4	C73556	sample	11/19/25	11:20 AM	12/3/25	11:30 AM	JB / JB		
3	C71524	sample	11/19/25	11:24 AM	12/3/25	11:35 AM	JB / JB		
2	C60253	sample	11/19/25	11:27 AM	12/3/25	11:39 AM	JB / JB		
1	C61454	sample	11/19/25	11:32 AM	12/3/25	11:42 AM	JB / JB		
1	C43265	blank	11/19/25	11:32 AM	12/3/25	11:42 AM	JB / JB		
13	C71610	sample	11/19/25	11:36 AM	12/3/25	11:48 AM	JB / JB		

Relinquished By (printed): <b>Jen Bowidowicz</b>	Relinquished By (signature): <i>Jennifer Bowidowicz</i>	Relinquished Date: <b>12/3/2025</b>	Relinquished Time:
Recieved By (printed): <i>Paul Grandman</i>	Recieved By (signature): <i>Paul Grandman</i>	Receipt Date: <b>12-5-25</b>	Receipt Time: <b>2:15 pm</b>
Sample Condition Upon Receipt: <i>Good, except see note</i>	Compound List: <b>BTEX</b>	Custody Seal intact? Y/N: <b>Y</b>	Delivery tracking #
Ice Temp:	Blank Temp: <b>11.1</b>	Add Custody Seal # below: <b>24609961</b>	
Fluke 4			

**Comments:** Please pull the ambient temp from the KPWM NOAA station. Thank you



# EPA Method 325 A/B Field Test Data Sheet and Chain of Custody Record

Page # 2 of # 2

- Standard Turn Around Time (7 business days)
- Rush Turn Around Time
- All TATs Subject to Approval by Enthalpy Analytical, LLC
- Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name: South Portland Terminal	Client Name: Portland Pipe Line	PO#:
Site Address:	Project Number:	Sample Event #:
City:	Project Manager: Tom Rolfson	Sorbent:
State:	Email Address: <a href="mailto:tom.rolfson@powererg.com">tom.rolfson@powererg.com</a>	
Zip:	Telephone #:	

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
12	C43383	sample	11/19/25	11:40 AM	12/3/25	11:54 AM	JB / JB		
11	C70076	sample	11/19/25	11:44 AM	12/3/25	12:00 PM	JB / JB		
10	C73557	sample	11/19/25	11:49 AM	12/3/25	12:05 PM	JB / JB		
9	① 57513	sample	11/19/25	11:52 AM	12/3/25	12:10 PM	JB / JB		
8	C61567	sample	11/19/25	11:55 AM	12/3/25	12:15 PM	JB / JB		
8	② C37460	duplicate	11/19/25	11:55 AM	12/3/25	12:15 PM	JB / JB		
7	C71673	sample	11/19/25	11:59 AM	12/3/25	12:20 PM	JB / JB		

Relinquished By (printed): <b>Jen Bowidowicz</b>	Relinquished By (signature): <i>Jennifer Bowidowicz</i>	Relinquished Date: <b>12/3/2025</b>	Relinquished Time:
Recieved By (printed): <i>Paige Grundman</i>	Recieved By (signature): <i>Paige Grundman</i>	Receipt Date: <b>12-5-25</b>	Receipt Time: <b>2:15pm</b>
Sample Condition Upon Receipt: <b>Good, except see note ②</b>	Compound List: <b>BTEX</b>	Custody Seal intact? Y/N: <b>Y</b>	Delivery tracking #:
Ice Temp:	Blank Temp: <b>11.1</b>	Add Custody Seal # below: <b>24609961</b>	

Comments: ① EE, should be C57513 as per tube list PEG 12-5-25  
 Please pull the ambient temp from the KPWM NOAA station. Thank you  
 ② Beginning to gooseneck on sampling end PEG 12-5-25

**This Is The Last Page  
Of This Report.**



# Portland Pipeline - S Portland, ME

303 U.S. Route One  
Freeport, ME 04032

## Portland Pipeline - S Portland, ME

Samples Received: 12/18/2025

Analytical Report  
2025FW406

EPA Method 325B Analysis

Report Issue Date: 12/30/2025

I certify that to the best of my knowledge all analytical data presented in this report have been checked for completeness, accuracy, errors and legibility in addition to having been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s). This report shall not be reproduced except in full without approval of the laboratory. This will provide assurance that parts of the report are not taken out of context.

Amendment(s):

Signature:



QA Review by Isabel Obando Marrero, Data Reviewer



Matt Cavanaugh  
Matthew.Cavanaugh@enthalpy.com / www.enthalpy.com  
O: (919) 850-4392  
Enthalpy Analytical  
800 Capitola Drive Suite 1 Durham, NC 27713

# Table of Contents

Case Narrative .....	3
Results .....	6
Summary of Results .....	7
Detailed Results .....	8
QC Data .....	11
Chromatograms .....	14
Initial Calibration .....	63
Sample Custody .....	66
Chain of Custody .....	67

# Narrative Summary



# Enthalpy Analytical Narrative Summary

Company	Power Engineers, Inc.
Job No.	2025FW406-1
Client ID.	Site: Portland Pipeline - S Portland, ME

## 1. Custody

The samples were received at Enthalpy Analytical on December 18, 2025 at 9.4 °C. The samples were received in good condition. Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, LLC

**Table 1 - Sample Inventory**

Sample ID	Tube ID	Sample Type
PPSP-6-S-20251203	C61699	Sample
PPSP-5-S-20251203	B49637	Sample
PPSP-4-S-20251203	C56787	Sample
PPSP-3-S-20251203	C71785	Sample
PPSP-2-S-20251203	C57653	Sample
PPSP-1-S-20251203	C69560	Sample
PPSP-1-B-20251203	C01609	Blank
PPSP-13-S-20251203	C39233	Sample
PPSP-12-S-20251203	C43645	Sample
PPSP-11-S-20251203	C40666	Sample
PPSP-10-S-20251203	C01540	Sample
PPSP-9-S-20251203	C53546	Sample
PPSP-8-S-20251203	C43676	Sample
PPSP-8-D-20251203	C32887	Duplicate
PPSP-7-S-20251203	C57764	Sample

## 2. Analysis

The samples were analyzed for Benzene, Toluene, Ethylbenzene, m-/p-Xylenes, and o-Xylene using EPA Method 325B – Volatile Organic Compounds from Fugitive and Area Sources by Thermal Desorption and GC/MS. A copy of the acquisition method M325B-MTD is not included in this report but may be available upon request.

The sample tube media used for this sampling period was CarbopackX. All calibration standards and laboratory QC were prepared using the same media.

## 3. Calibration

All BFB tune criteria have been met for this analysis.

The initial calibration (M121225A\_CC185154) met all 30% RSD criteria. The initial calibration verification met  $\pm 30\%$  recovery criteria. The continuing calibration verifications met 30% difference criteria. The initial and continuing calibration raw data are not included in this report but are available upon request.

# Enthalpy Analytical Narrative Summary

Company	Power Engineers, Inc.
Job No.	2025FW406-1
Client ID.	Site: Portland Pipeline - S Portland, ME

## 5. QC Notes

All quality control criteria required by the method and/or the laboratory SOP have been met unless noted otherwise below.

## 6. Reporting Notes

All tubes used for this sampling period met the method criteria for number of uses; no tube exceeded 50 field uses.

As specified in EPA Method 325B, the response factor of the daily continuing calibration standard was used to quantitate all field samples and blanks.

All samples were reported as amount in ng catch, and concentration in ug/m<sup>3</sup> and ppbv.

The results presented in this report are representative of the samples as provided to the laboratory. These analyses met the requirements of the TNI Standard. Any deviations from the requirements of the reference method or TNI Standard have been stated above.

Enthalpy Analytical, located at 800 Capitola Drive, Suite 1, Durham NC, 27713 is accredited by the Louisiana Department of Environmental Quality (LDEQ) for EPA Method 325B for all analytes included in this report under **Certificate Number 04010**.

# Results



# Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW406-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

## Summary

Sample Code	Tube ID	Benzene		Toluene		Ethylbenzene		m-/p-Xylenes		o-Xylene	
		(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag
PPSP-6-S-20251203	C61699	2.56		3.56		0.471	J	2.05		0.611	J
PPSP-5-S-20251203	B49637	0.935		3.22		0.443	J	1.49		0.369	J
PPSP-4-S-20251203	C56787	0.775		1.14			ND	0.686	J		ND
PPSP-3-S-20251203	C71785	0.767		1.04			ND	0.619	J		ND
PPSP-2-S-20251203	C57653	0.998		1.57			ND	0.627	J		ND
PPSP-1-S-20251203	C69560	1.62		1.78		0.297	J	1.08		0.366	J
PPSP-1-B-20251203	C01609		ND		ND		ND		ND		ND
PPSP-13-S-20251203	C39233	1.11		3.14			ND	0.590	J		ND
PPSP-12-S-20251203	C43645	1.18		1.43			ND	0.697			ND
PPSP-11-S-20251203	C40666	1.84		1.67			ND	0.670	J		ND
PPSP-10-S-20251203	C01540	1.29		1.41			ND	0.615	J		ND
PPSP-9-S-20251203	C53546	1.63		7.01		0.360	J	0.833		0.302	J
PPSP-8-S-20251203	C43676	1.36		1.86		0.340	J	1.02		0.367	J
PPSP-8-D-20251203	C32887	1.39		2.00		0.328	J	0.889		0.313	J
PPSP-7-S-20251203	C57764	1.88		3.17		0.446	J	1.66		0.490	J

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit

ND: The analyte was not present above the Method Detection Limit

# Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW406-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

## Benzene

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20251203	C61699	2.56	0.802	32.8	23.3	0.636	20121	0.195	0.466	0.0612	0.146		M2505630.d	2025-12-18 21:24	0.928	8.174	295680	537364	55.2	8.117	1.9%
PPSP-5-S-20251203	B49637	0.935	0.293	11.9	23.3	0.636	20115	0.196	0.466	0.0612	0.146		M2505631.d	2025-12-18 21:49	0.928	8.174	110364	549968	55.2	8.117	4.3%
PPSP-4-S-20251203	C56787	0.775	0.243	9.91	23.3	0.636	20113	0.196	0.466	0.0613	0.146		M2505632.d	2025-12-18 22:15	0.928	8.174	92739	557187	55.2	8.117	5.7%
PPSP-3-S-20251203	C71785	0.767	0.240	9.80	23.3	0.636	20112	0.196	0.466	0.0613	0.146		M2505633.d	2025-12-18 22:40	0.928	8.174	92325	560914	55.2	8.117	6.4%
PPSP-2-S-20251203	C57653	0.998	0.313	12.8	23.3	0.636	20114	0.196	0.466	0.0612	0.146		M2505634.d	2025-12-18 23:05	0.928	8.174	120745	563442	55.2	8.117	6.8%
PPSP-1-S-20251203	C69560	1.62	0.507	20.7	23.3	0.636	20114	0.196	0.466	0.0612	0.146		M2505635.d	2025-12-18 23:31	0.928	8.174	193950	557830	55.2	8.116	5.8%
PPSP-1-B-20251203	C01609				23.3	0.636	20114	0.196	0.466	0.0612	0.146	ND	M2505629.d	2025-12-18 20:59	0.928	8.174	8391	513649	55.2	8.117	-2.6%
PPSP-13-S-20251203	C39233	1.11	0.347	14.2	23.3	0.636	20111	0.196	0.466	0.0613	0.146		M2505636.d	2025-12-18 23:57	0.928	8.174	130695	549286	55.2	8.117	4.2%
PPSP-12-S-20251203	C43645	1.18	0.370	15.1	23.3	0.636	20110	0.196	0.467	0.0613	0.146		M2505637.d	2025-12-19 00:22	0.928	8.174	138153	544920	55.2	8.116	3.3%
PPSP-11-S-20251203	C40666	1.84	0.575	23.5	23.3	0.636	20107	0.196	0.467	0.0613	0.146		M2505638.d	2025-12-19 00:47	0.928	8.174	238350	605195	55.2	8.117	14.8%
PPSP-10-S-20251203	C01540	1.29	0.405	16.5	23.3	0.636	20105	0.196	0.467	0.0613	0.146		M2505640.d	2025-12-19 01:37	0.928	8.174	175230	631737	55.2	8.117	19.8%
PPSP-9-S-20251203	C53546	1.63	0.510	20.8	23.3	0.636	20103	0.196	0.467	0.0613	0.146		M2505641.d	2025-12-19 02:02	0.928	8.174	217931	623556	55.2	8.117	18.2%
PPSP-8-S-20251203	C43676	1.36	0.427	17.4	23.3	0.636	20102	0.196	0.467	0.0613	0.146		M2505642.d	2025-12-19 02:27	0.928	8.174	179156	611932	55.2	8.117	16.0%
PPSP-8-D-20251203	C32887	1.39	0.435	17.7	23.3	0.636	20102	0.196	0.467	0.0613	0.146		M2505643.d	2025-12-19 02:53	0.928	8.174	182285	611949	55.2	8.117	16.0%
PPSP-7-S-20251203	C57764	1.88	0.588	24.0	23.3	0.636	20101	0.196	0.467	0.0613	0.146		M2505644.d	2025-12-19 03:18	0.928	8.174	243768	605579	55.2	8.117	14.8%

## Toluene

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20251203	C61699	3.56	0.946	35.4	23.3	0.493	20121	0.252	0.528	0.0669	0.140		M2505630.d	2025-12-18 21:24	1.145	10.903	362051	582775	65.2	10.803	2.3%
PPSP-5-S-20251203	B49637	3.22	0.856	32.0	23.3	0.493	20115	0.252	0.528	0.0669	0.140		M2505631.d	2025-12-18 21:49	1.145	10.896	330561	588302	65.2	10.803	3.3%
PPSP-4-S-20251203	C56787	1.14	0.303	11.3	23.3	0.493	20113	0.252	0.528	0.0669	0.140		M2505632.d	2025-12-18 22:15	1.145	10.903	117624	591664	65.2	10.803	3.9%
PPSP-3-S-20251203	C71785	1.04	0.277	10.3	23.3	0.493	20112	0.252	0.528	0.0669	0.140		M2505633.d	2025-12-18 22:40	1.145	10.896	109188	600903	65.2	10.803	5.5%
PPSP-2-S-20251203	C57653	1.57	0.416	15.5	23.3	0.493	20114	0.252	0.528	0.0669	0.140		M2505634.d	2025-12-18 23:05	1.145	10.903	162626	595578	65.2	10.803	4.5%
PPSP-1-S-20251203	C69560	1.78	0.474	17.7	23.3	0.493	20114	0.252	0.528	0.0669	0.140		M2505635.d	2025-12-18 23:31	1.145	10.903	184843	594117	65.2	10.803	4.3%
PPSP-1-B-20251203	C01609				23.3	0.493	20114	0.252	0.528	0.0669	0.140	ND	M2505629.d	2025-12-18 20:59	1.145	10.896	8488	577730	65.2	10.803	1.4%
PPSP-13-S-20251203	C39233	3.14	0.834	31.2	23.3	0.493	20111	0.252	0.528	0.0669	0.140		M2505636.d	2025-12-18 23:57	1.145	10.903	320141	584602	65.2	10.803	2.6%
PPSP-12-S-20251203	C43645	1.43	0.381	14.2	23.3	0.493	20110	0.252	0.528	0.0669	0.140		M2505637.d	2025-12-19 00:22	1.145	10.903	144395	577613	65.2	10.803	1.4%
PPSP-11-S-20251203	C40666	1.67	0.444	16.6	23.3	0.493	20107	0.252	0.528	0.0669	0.140		M2505638.d	2025-12-19 00:47	1.145	10.903	180659	620341	65.2	10.803	8.9%
PPSP-10-S-20251203	C01540	1.41	0.375	14.0	23.3	0.493	20105	0.252	0.528	0.0669	0.140		M2505640.d	2025-12-19 01:37	1.145	10.903	145308	589713	65.2	10.803	3.5%
PPSP-9-S-20251203	C53546	7.01	1.86	69.5	23.3	0.493	20103	0.252	0.528	0.0669	0.140		M2505641.d	2025-12-19 02:02	1.145	10.896	707781	579701	65.2	10.803	1.8%
PPSP-8-S-20251203	C43676	1.86	0.493	18.4	23.3	0.493	20102	0.252	0.528	0.0669	0.140		M2505642.d	2025-12-19 02:27	1.145	10.903	182985	565274	65.2	10.803	-0.8%
PPSP-8-D-20251203	C32887	2.00	0.531	19.8	23.3	0.493	20102	0.252	0.528	0.0669	0.140		M2505643.d	2025-12-19 02:53	1.145	10.903	187159	537120	65.2	10.803	-5.7%
PPSP-7-S-20251203	C57764	3.17	0.841	31.4	23.3	0.493	20101	0.252	0.528	0.0669	0.140		M2505644.d	2025-12-19 03:18	1.145	10.903	317321	575259	65.2	10.803	1.0%

## Ethylbenzene

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20251203	C61699	0.471	0.109	4.14	23.3	0.436	20121	0.285	0.620	0.0656	0.143	J	M2505630.d	2025-12-18 21:24	1.209	13.081	44708	582775	65.2	10.803	2.3%
PPSP-5-S-20251203	B49637	0.443	0.102	3.89	23.3	0.436	20115	0.285	0.620	0.0656	0.143	J	M2505631.d	2025-12-18 21:49	1.209	13.081	42424	588302	65.2	10.803	3.3%
PPSP-4-S-20251203	C56787				23.3	0.436	20113	0.285	0.620	0.0656	0.143	ND	M2505632.d	2025-12-18 22:15	1.209	13.088	21238	591664	65.2	10.803	3.9%

# Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW406-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

## Ethylbenzene

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-3-S-20251203	C71785				23.3	0.436	20112	0.285	0.620	0.0656	0.143	ND	M2505633.d	2025-12-18 22:40	1.209	13.088	22021	600903	65.2	10.803	5.5%
PPSP-2-S-20251203	C57653				23.3	0.436	20114	0.285	0.620	0.0656	0.143	ND	M2505634.d	2025-12-18 23:05	1.209	13.088	21344	595578	65.2	10.803	4.5%
PPSP-1-S-20251203	C69560	0.297	0.0685	2.61	23.3	0.436	20114	0.285	0.620	0.0656	0.143	J	M2505635.d	2025-12-18 23:31	1.209	13.088	28758	594117	65.2	10.803	4.3%
PPSP-1-B-20251203	C01609				23.3	0.436	20114	0.285	0.620	0.0656	0.143	ND	M2505629.d	2025-12-18 20:59	1.209	13.081	1986	577730	65.2	10.803	1.4%
PPSP-13-S-20251203	C39233				23.3	0.436	20111	0.285	0.620	0.0656	0.143	ND	M2505636.d	2025-12-18 23:57	1.209	13.081	24006	584602	65.2	10.803	2.6%
PPSP-12-S-20251203	C43645				23.3	0.436	20110	0.285	0.620	0.0657	0.143	ND	M2505637.d	2025-12-19 00:22	1.209	13.088	21997	577613	65.2	10.803	1.4%
PPSP-11-S-20251203	C40666				23.3	0.436	20107	0.285	0.620	0.0657	0.143	ND	M2505638.d	2025-12-19 00:47	1.209	13.081	21408	620341	65.2	10.803	8.9%
PPSP-10-S-20251203	C01540				23.3	0.436	20105	0.285	0.620	0.0657	0.143	ND	M2505640.d	2025-12-19 01:37	1.209	13.088	23866	589713	65.2	10.803	3.5%
PPSP-9-S-20251203	C53546	0.360	0.0830	3.16	23.3	0.436	20103	0.285	0.620	0.0657	0.143	J	M2505641.d	2025-12-19 02:02	1.209	13.088	33999	579701	65.2	10.803	1.8%
PPSP-8-S-20251203	C43676	0.340	0.0783	2.98	23.3	0.436	20102	0.285	0.621	0.0657	0.143	J	M2505642.d	2025-12-19 02:27	1.209	13.088	31275	565274	65.2	10.803	-0.8%
PPSP-8-D-20251203	C32887	0.328	0.0755	2.87	23.3	0.436	20102	0.285	0.621	0.0657	0.143	J	M2505643.d	2025-12-19 02:53	1.209	13.088	28628	537120	65.2	10.803	-5.7%
PPSP-7-S-20251203	C57764	0.446	0.103	3.91	23.3	0.436	20101	0.285	0.621	0.0657	0.143	J	M2505644.d	2025-12-19 03:18	1.209	13.081	41740	575259	65.2	10.803	1.0%

## m-/p-Xylenes

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20251203	C61699	2.05	0.472	18.0	23.3	0.436	20121	0.285	0.695	0.0656	0.160		M2505630.d	2025-12-18 21:24	0.927	13.260	149044	582775	65.2	10.803	2.3%
PPSP-5-S-20251203	B49637	1.49	0.344	13.1	23.3	0.436	20115	0.285	0.695	0.0656	0.160		M2505631.d	2025-12-18 21:49	0.927	13.260	109716	588302	65.2	10.803	3.3%
PPSP-4-S-20251203	C56787	0.686	0.158	6.02	23.3	0.436	20113	0.285	0.695	0.0656	0.160	J	M2505632.d	2025-12-18 22:15	0.927	13.260	50673	591664	65.2	10.803	3.9%
PPSP-3-S-20251203	C71785	0.619	0.143	5.43	23.3	0.436	20112	0.285	0.695	0.0656	0.160	J	M2505633.d	2025-12-18 22:40	0.927	13.260	46436	600903	65.2	10.803	5.5%
PPSP-2-S-20251203	C57653	0.627	0.144	5.50	23.3	0.436	20114	0.285	0.695	0.0656	0.160	J	M2505634.d	2025-12-18 23:05	0.927	13.260	46642	595578	65.2	10.803	4.5%
PPSP-1-S-20251203	C69560	1.08	0.248	9.46	23.3	0.436	20114	0.285	0.695	0.0656	0.160		M2505635.d	2025-12-18 23:31	0.927	13.260	79999	594117	65.2	10.803	4.3%
PPSP-1-B-20251203	C01609				23.3	0.436	20114	0.285	0.695	0.0656	0.160	ND	M2505629.d	2025-12-18 20:59	0.927	13.267	1564	577730	65.2	10.803	1.4%
PPSP-13-S-20251203	C39233	0.590	0.136	5.18	23.3	0.436	20111	0.285	0.695	0.0656	0.160	J	M2505636.d	2025-12-18 23:57	0.927	13.260	43077	584602	65.2	10.803	2.6%
PPSP-12-S-20251203	C43645	0.697	0.161	6.12	23.3	0.436	20110	0.285	0.695	0.0657	0.160		M2505637.d	2025-12-19 00:22	0.927	13.260	50289	577613	65.2	10.803	1.4%
PPSP-11-S-20251203	C40666	0.670	0.154	5.88	23.3	0.436	20107	0.285	0.695	0.0657	0.160	J	M2505638.d	2025-12-19 00:47	0.927	13.260	51883	620341	65.2	10.803	8.9%
PPSP-10-S-20251203	C01540	0.615	0.142	5.40	23.3	0.436	20105	0.285	0.695	0.0657	0.160	J	M2505640.d	2025-12-19 01:37	0.927	13.260	45290	589713	65.2	10.803	3.5%
PPSP-9-S-20251203	C53546	0.833	0.192	7.31	23.3	0.436	20103	0.285	0.695	0.0657	0.160		M2505641.d	2025-12-19 02:02	0.927	13.260	60286	579701	65.2	10.803	1.8%
PPSP-8-S-20251203	C43676	1.02	0.235	8.96	23.3	0.436	20102	0.285	0.695	0.0657	0.160		M2505642.d	2025-12-19 02:27	0.927	13.260	72057	565274	65.2	10.803	-0.8%
PPSP-8-D-20251203	C32887	0.889	0.205	7.80	23.3	0.436	20102	0.285	0.695	0.0657	0.160		M2505643.d	2025-12-19 02:53	0.927	13.260	59641	537120	65.2	10.803	-5.7%
PPSP-7-S-20251203	C57764	1.66	0.382	14.5	23.3	0.436	20101	0.285	0.695	0.0657	0.160		M2505644.d	2025-12-19 03:18	0.927	13.260	118920	575259	65.2	10.803	1.0%

## o-Xylene

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20251203	C61699	0.611	0.141	5.36	23.3	0.436	20121	0.285	0.646	0.0656	0.149	J	M2505630.d	2025-12-18 21:24	0.923	13.761	44231	582775	65.2	10.803	2.3%
PPSP-5-S-20251203	B49637	0.369	0.0850	3.24	23.3	0.436	20115	0.285	0.646	0.0656	0.149	J	M2505631.d	2025-12-18 21:49	0.923	13.761	26958	588302	65.2	10.803	3.3%
PPSP-4-S-20251203	C56787				23.3	0.436	20113	0.285	0.646	0.0656	0.149	ND	M2505632.d	2025-12-18 22:15	0.923	13.761	17994	591664	65.2	10.803	3.9%
PPSP-3-S-20251203	C71785				23.3	0.436	20112	0.285	0.646	0.0656	0.149	ND	M2505633.d	2025-12-18 22:40	0.923	13.761	17541	600903	65.2	10.803	5.5%
PPSP-2-S-20251203	C57653				23.3	0.436	20114	0.285	0.646	0.0656	0.149	ND	M2505634.d	2025-12-18 23:05	0.923	13.761	16736	595578	65.2	10.803	4.5%
PPSP-1-S-20251203	C69560	0.366	0.0843	3.21	23.3	0.436	20114	0.285	0.646	0.0656	0.149	J	M2505635.d	2025-12-18 23:31	0.923	13.761	27010	594117	65.2	10.803	4.3%

# Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW406-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

## o-Xylene

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-1-B-20251203	C01609				23.3	0.436	20114	0.285	0.646	0.0656	0.149	ND	M2505629.d	2025-12-18 20:59	0.923	13.761	566	577730	65.2	10.803	1.4%
PPSP-13-S-20251203	C39233				23.3	0.436	20111	0.285	0.646	0.0656	0.149	ND	M2505636.d	2025-12-18 23:57	0.923	13.761	15643	584602	65.2	10.803	2.6%
PPSP-12-S-20251203	C43645				23.3	0.436	20110	0.285	0.646	0.0657	0.149	ND	M2505637.d	2025-12-19 00:22	0.923	13.761	17777	577613	65.2	10.803	1.4%
PPSP-11-S-20251203	C40666				23.3	0.436	20107	0.285	0.647	0.0657	0.149	ND	M2505638.d	2025-12-19 00:47	0.923	13.761	17814	620341	65.2	10.803	8.9%
PPSP-10-S-20251203	C01540				23.3	0.436	20105	0.285	0.647	0.0657	0.149	ND	M2505640.d	2025-12-19 01:37	0.923	13.761	16926	589713	65.2	10.803	3.5%
PPSP-9-S-20251203	C53546	0.302	0.0695	2.65	23.3	0.436	20103	0.285	0.647	0.0657	0.149	J	M2505641.d	2025-12-19 02:02	0.923	13.761	21708	579701	65.2	10.803	1.8%
PPSP-8-S-20251203	C43676	0.367	0.0846	3.22	23.3	0.436	20102	0.285	0.647	0.0657	0.149	J	M2505642.d	2025-12-19 02:27	0.923	13.761	25777	565274	65.2	10.803	-0.8%
PPSP-8-D-20251203	C32887	0.313	0.0722	2.75	23.3	0.436	20102	0.285	0.647	0.0657	0.149	J	M2505643.d	2025-12-19 02:53	0.923	13.761	20898	537120	65.2	10.803	-5.7%
PPSP-7-S-20251203	C57764	0.490	0.113	4.30	23.3	0.436	20101	0.285	0.647	0.0657	0.149	J	M2505644.d	2025-12-19 03:18	0.923	13.761	34983	575259	65.2	10.803	1.0%

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit

ND: The analyte was not present above the Method Detection Limit

# QC Data



## Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW406-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

### QC Samples

Field Sample Type	Sample Code	Benzene		Toluene		Ethylbenzene		m-/p-Xylenes		o-Xylene	
Blanks (ug/m <sup>3</sup> )	PPSP-1-B-20251203	ND	Pass	ND	Pass	ND	Pass	ND	Pass	ND	Pass
Duplicates (difference)	PPSP-8-D-20251203	1.7%	Pass	7.4%	Pass	3.7%	Pass	14%	Pass	16%	Pass

## Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW406-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

### Benzene Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICAL	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	M2505627.d	C01929	Cal	0.928		0.928	4.6%	4.7%		Pass	
2025FW406 Method Blank-1	M2505628.d	C69731	Blank			0.928			-0.24%	Pass	ND
M325B CCV 5 REC	M2505639.d	C01621	Check	0.868		0.928	-2.2%		13%	Pass	
M325B CCV 5 REC	M2505645.d	C24218	Check	0.789		0.928	-11%		13%	Pass	

### Toluene Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICAL	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	M2505627.d	C01929	Cal	1.145		1.145	7.3%	6.9%		Pass	
2025FW406 Method Blank-1	M2505628.d	C69731	Blank			1.145			-0.60%	Pass	ND
M325B CCV 5 REC	M2505639.d	C01621	Check	1.029		1.145	-3.6%		2.3%	Pass	
M325B CCV 5 REC	M2505645.d	C24218	Check	1.040		1.145	-2.5%		-5.7%	Pass	

### Ethylbenzene Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICAL	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	M2505627.d	C01929	Cal	1.209		1.209	-1.6%	6.9%		Pass	
2025FW406 Method Blank-1	M2505628.d	C69731	Blank			1.209			-0.60%	Pass	ND
M325B CCV 5 REC	M2505639.d	C01621	Check	1.130		1.209	-8.0%		2.3%	Pass	
M325B CCV 5 REC	M2505645.d	C24218	Check	1.283		1.209	4.5%		-5.7%	Pass	

### m-/p-Xylenes Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICAL	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	M2505627.d	C01929	Cal	0.927		0.927	-8.2%	6.9%		Pass	
2025FW406 Method Blank-1	M2505628.d	C69731	Blank			0.927			-0.60%	Pass	ND
M325B CCV 5 REC	M2505639.d	C01621	Check	0.964		0.927	-4.6%		2.3%	Pass	
M325B CCV 5 REC	M2505645.d	C24218	Check	1.163		0.927	15%		-5.7%	Pass	

### o-Xylene Calibration and Blanks

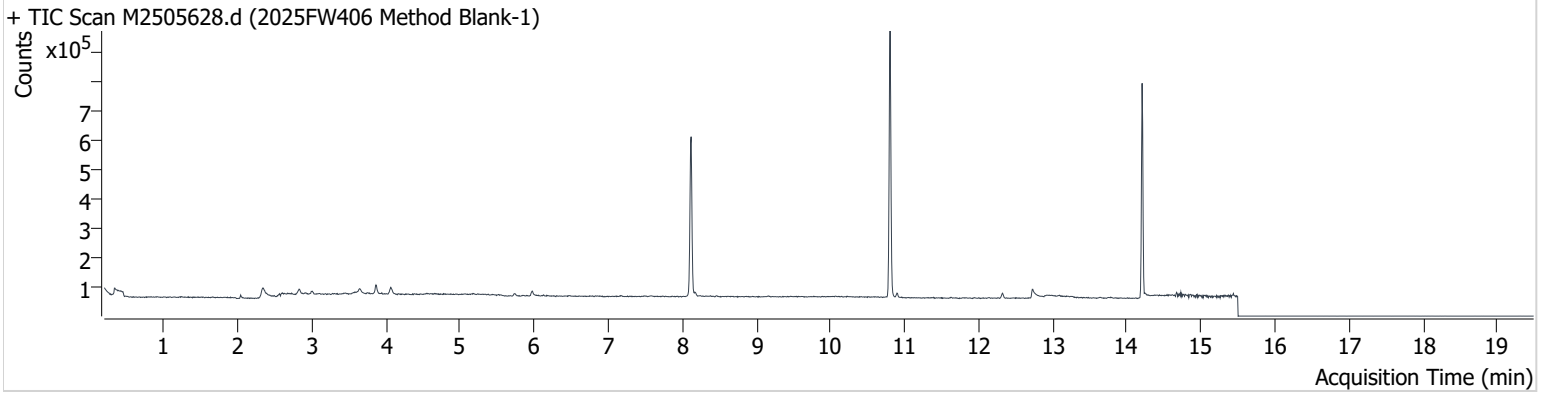
Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICAL	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	M2505627.d	C01929	Cal	0.923		0.923	-7.0%	6.9%		Pass	
2025FW406 Method Blank-1	M2505628.d	C69731	Blank			0.923			-0.60%	Pass	ND
M325B CCV 5 REC	M2505639.d	C01621	Check	0.905		0.923	-8.7%		2.3%	Pass	
M325B CCV 5 REC	M2505645.d	C24218	Check	1.059		0.923	6.8%		-5.7%	Pass	

# Chromatograms



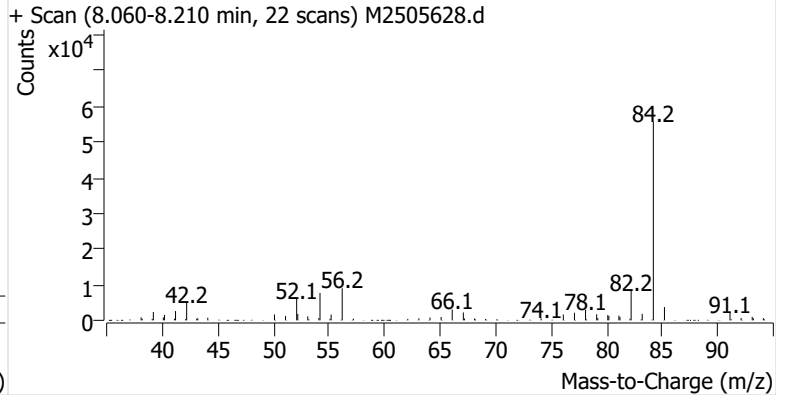
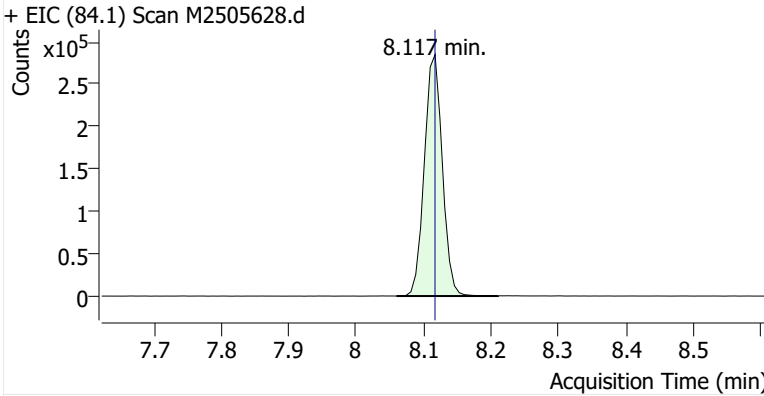
**Name** 2025FW406 Method Blank-1  
**Comment** C69731  
**Data File** M2505628.d  
**Acq. Date-Time** 12/18/2025 8:34:06 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carboxpack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

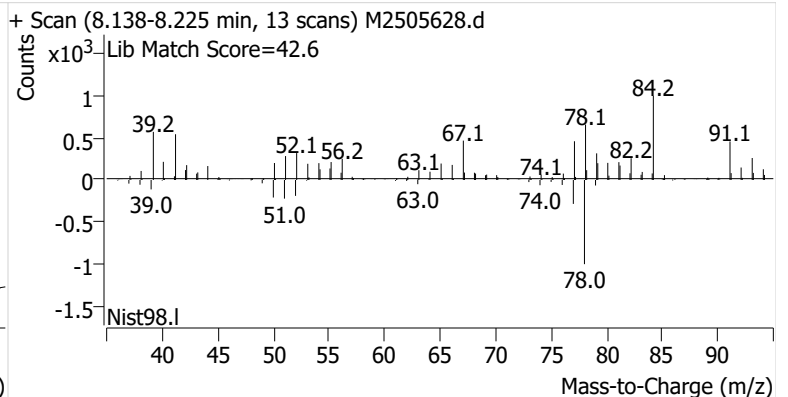
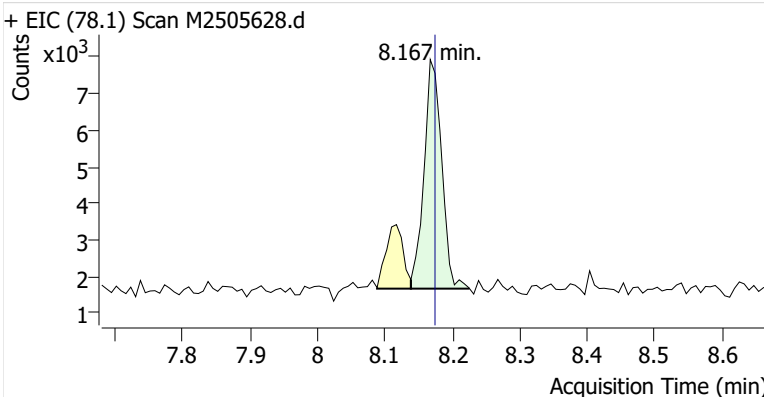


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.117	8.117	526,094	
Benzene	Benzene-d6 (IS)	8.167	8.174	11,366	
Toluene-d8 (IS)		10.803	10.803	566,299	
Toluene	Toluene-d8 (IS)	10.896	10.896	9,671	
Ethylbenzene	Toluene-d8 (IS)	13.088	13.081	2,492	m
m-/p-Xylenes	Toluene-d8 (IS)	13.260	13.260	2,286	
o-Xylene	Toluene-d8 (IS)	13.761	13.754	1,075	

**Benzene-d6 (IS)**

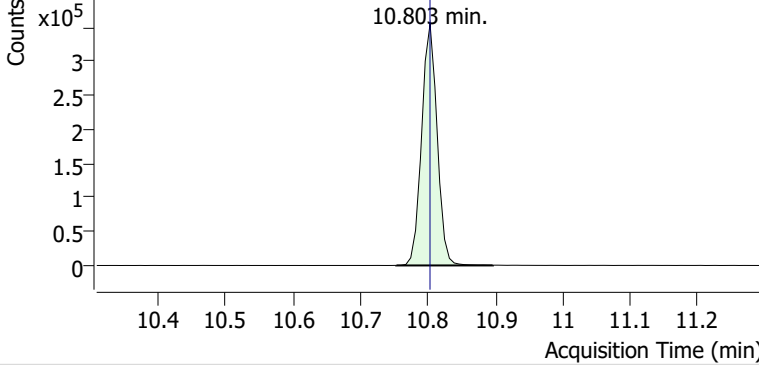


**Benzene**

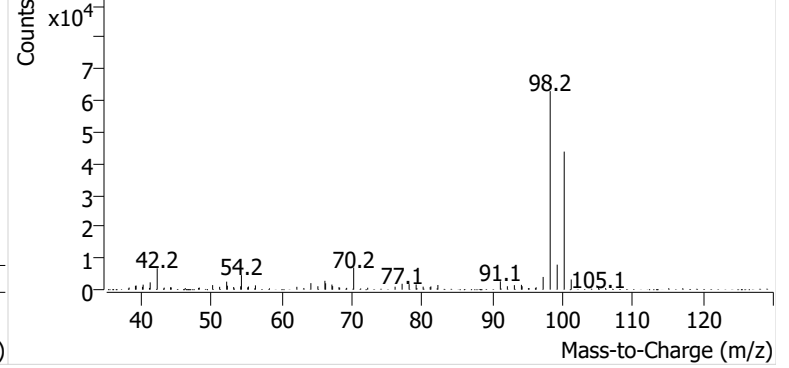


**Toluene-d8 (IS)**

+ EIC (98.1) Scan M2505628.d

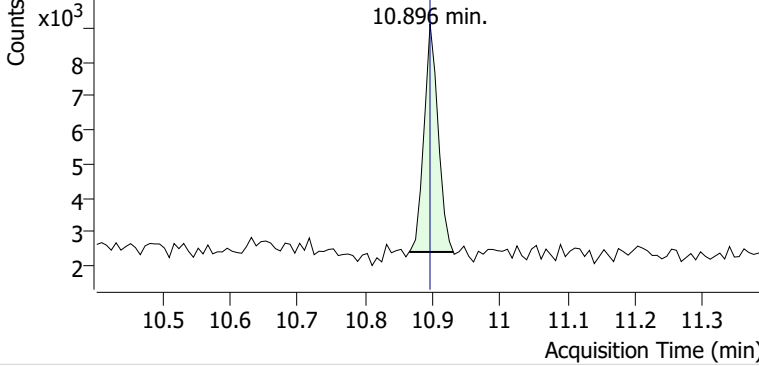


+ Scan (10.753-10.896 min, 21 scans) M2505628.d

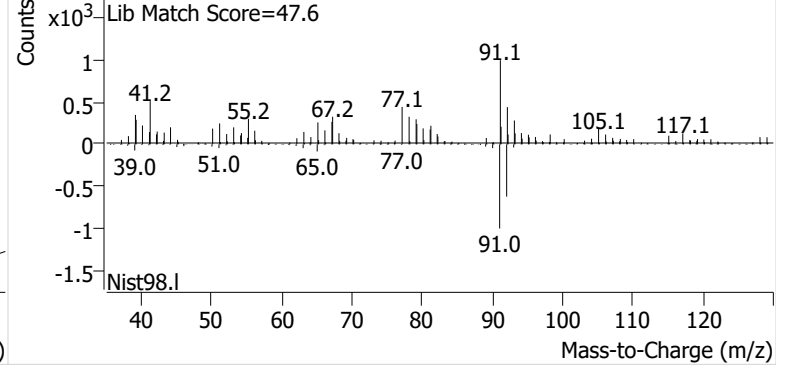


**Toluene**

+ EIC (91.1) Scan M2505628.d

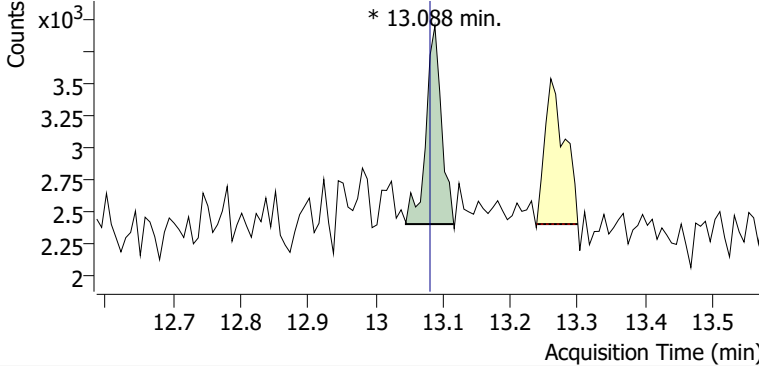


+ Scan (10.865-10.931 min, 9 scans) M2505628.d

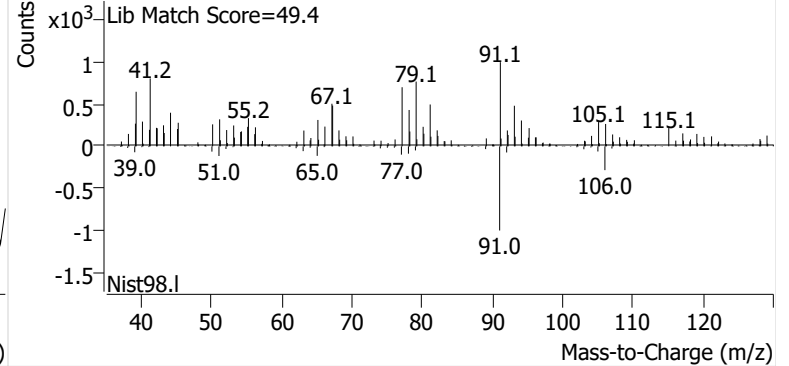


**Ethylbenzene**

+ EIC (91.1) Scan M2505628.d

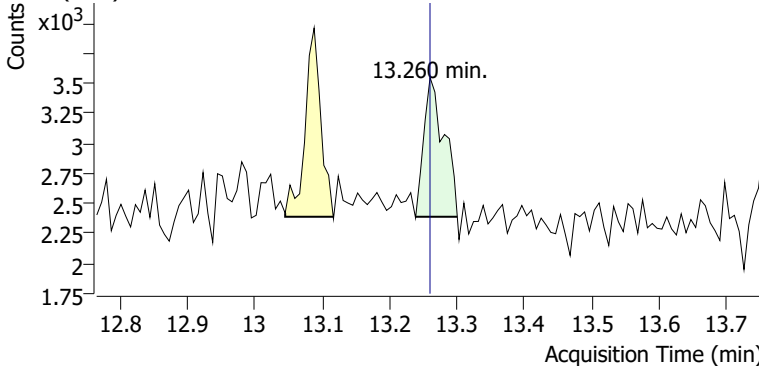


+ Scan (13.045-13.116 min, 10 scans) M2505628.d

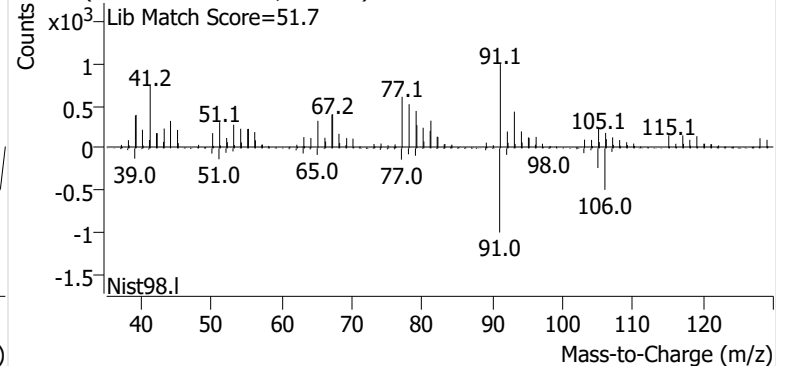


**m-/p-Xylenes**

+ EIC (91.1) Scan M2505628.d

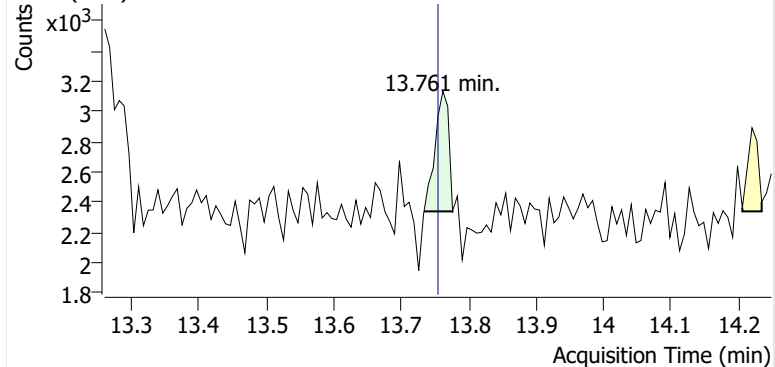


+ Scan (13.239-13.300 min, 8 scans) M2505628.d

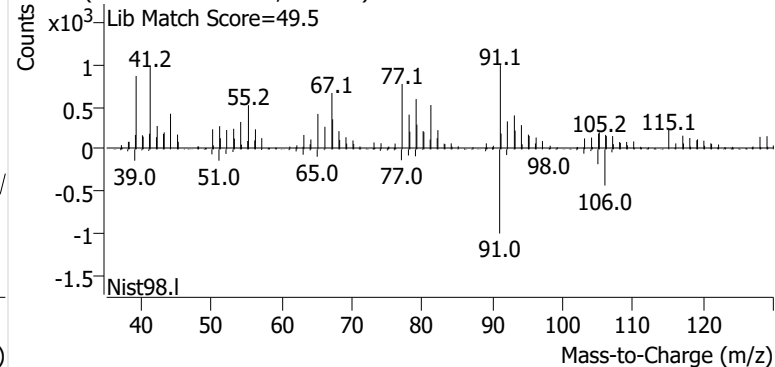


**o-Xylene**

+ EIC (91.1) Scan M2505628.d

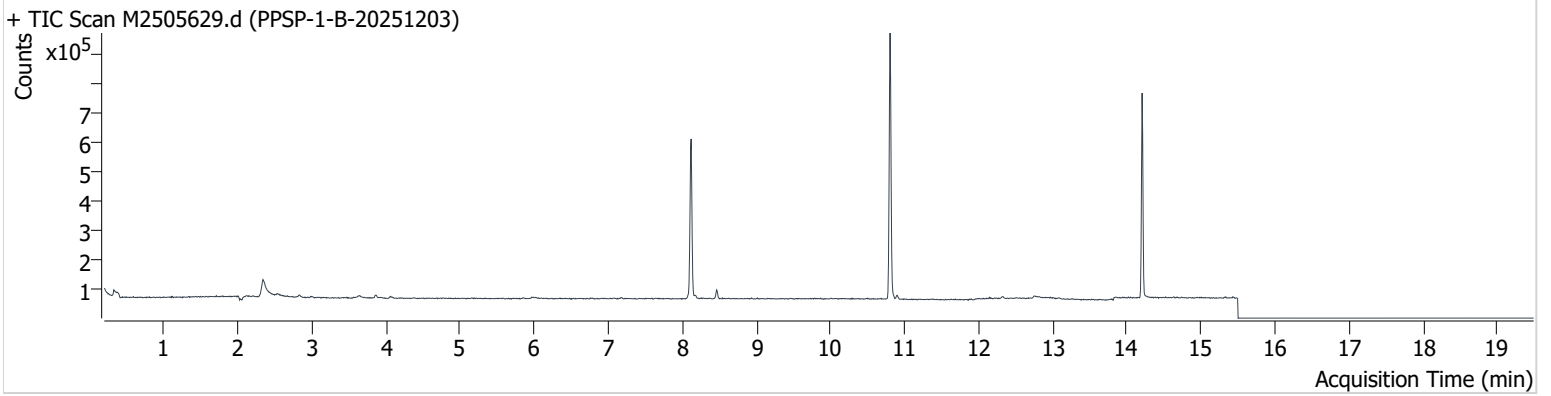


+ Scan (13.733-13.776 min, 6 scans) M2505628.d



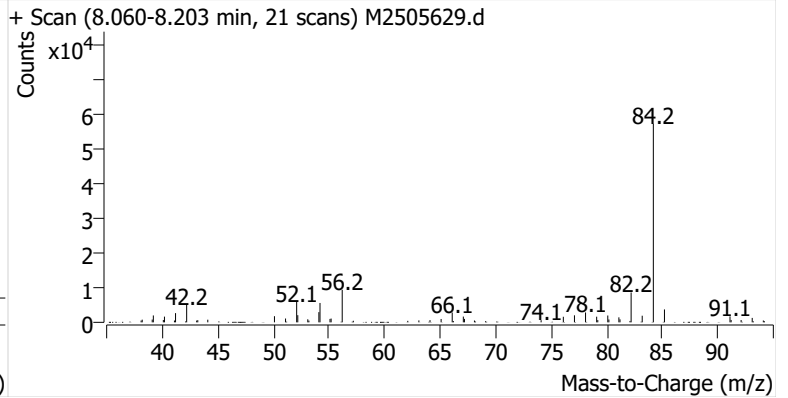
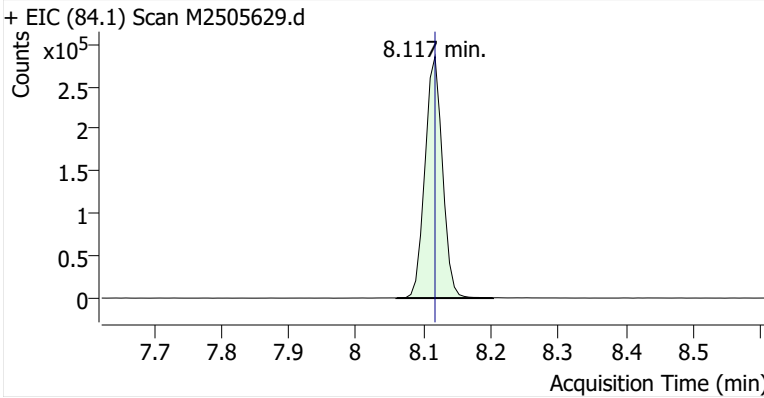
**Name** PPSP-1-B-20251203  
**Comment** C01609  
**Data File** M2505629.d  
**Acq. Date-Time** 12/18/2025 8:59:24 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

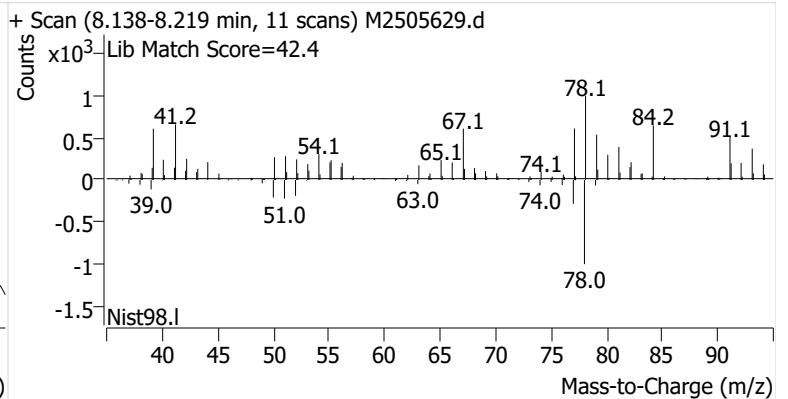
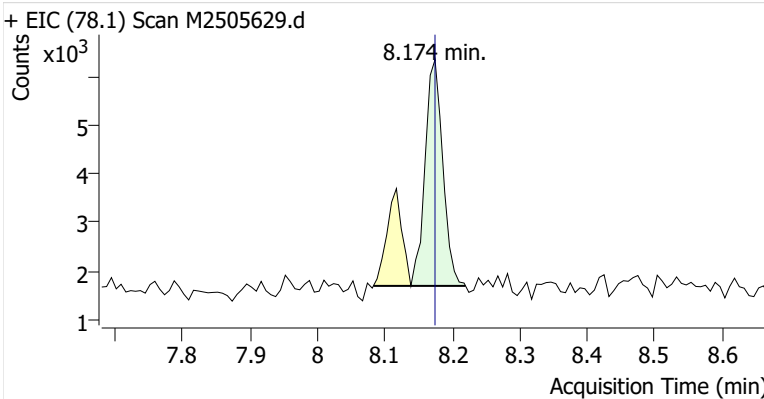


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.117	8.117	513,649	
Benzene	Benzene-d6 (IS)	8.174	8.174	8,391	
Toluene-d8 (IS)		10.803	10.803	577,730	
Toluene	Toluene-d8 (IS)	10.896	10.896	8,488	
Ethylbenzene	Toluene-d8 (IS)	13.081	13.081	1,986	m
m-/p-Xylenes	Toluene-d8 (IS)	13.267	13.260	1,564	
o-Xylene	Toluene-d8 (IS)	13.761	13.754	566	

**Benzene-d6 (IS)**

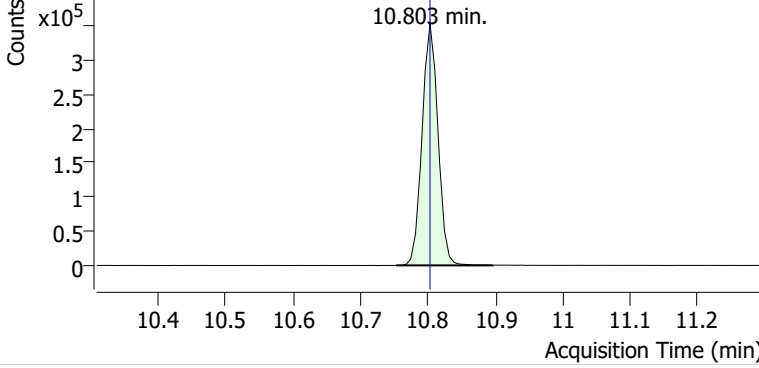


**Benzene**

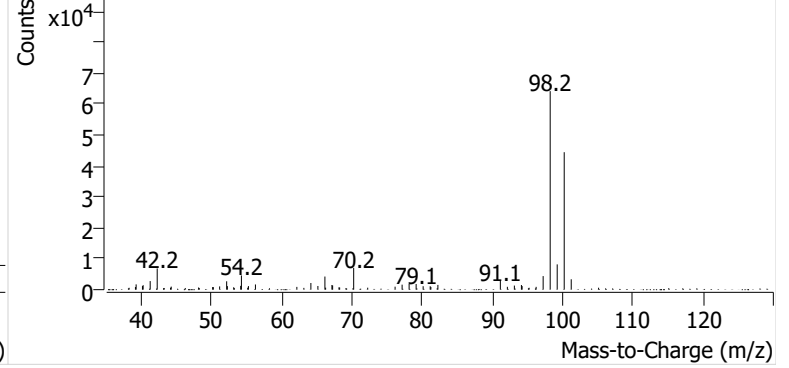


**Toluene-d8 (IS)**

+ EIC (98.1) Scan M2505629.d

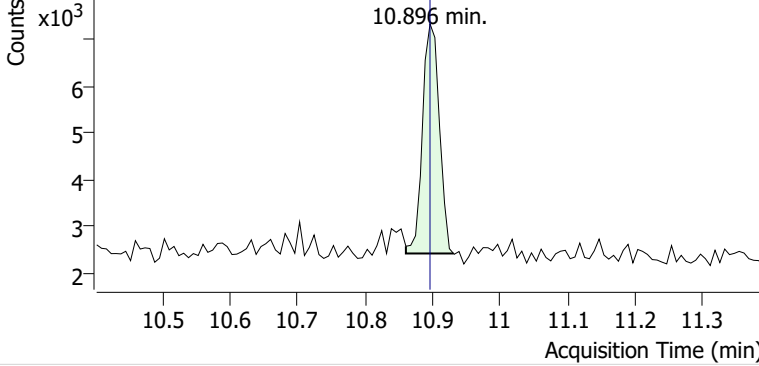


+ Scan (10.753-10.896 min, 21 scans) M2505629.d

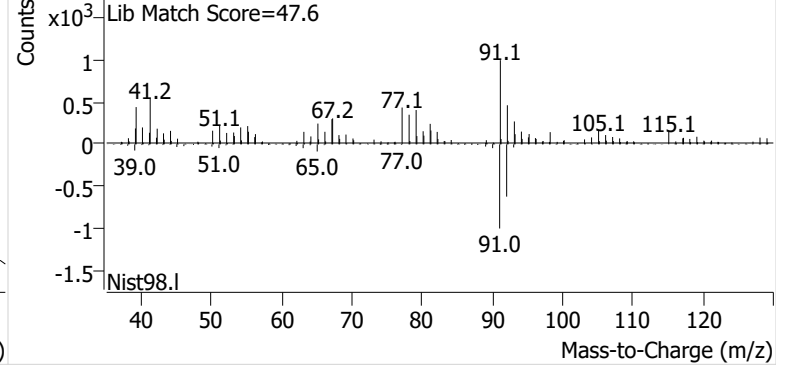


**Toluene**

+ EIC (91.1) Scan M2505629.d

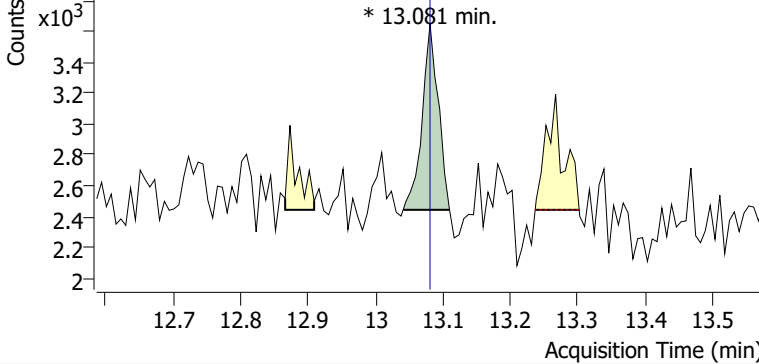


+ Scan (10.860-10.931 min, 10 scans) M2505629.d

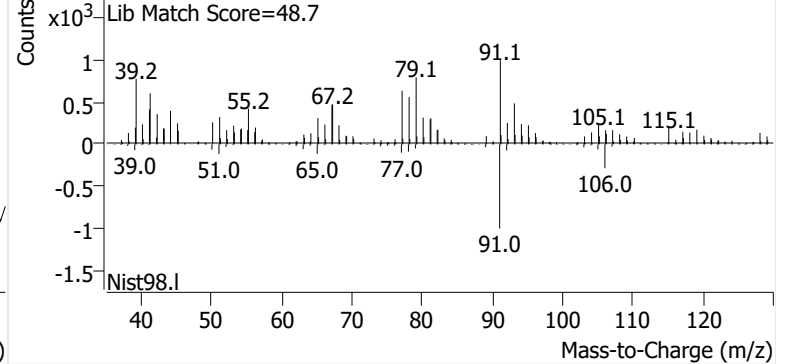


**Ethylbenzene**

+ EIC (91.1) Scan M2505629.d

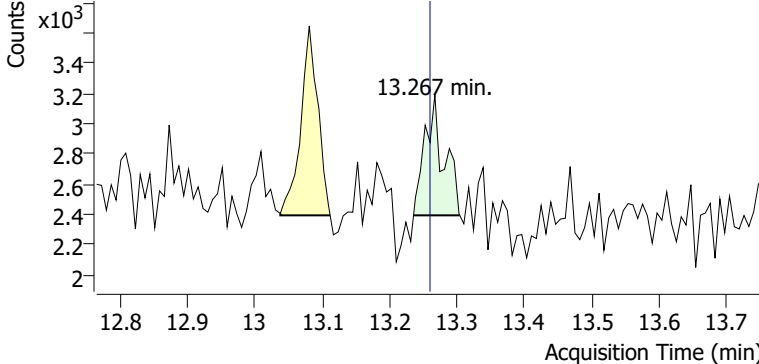


+ Scan (13.041-13.110 min, 10 scans) M2505629.d

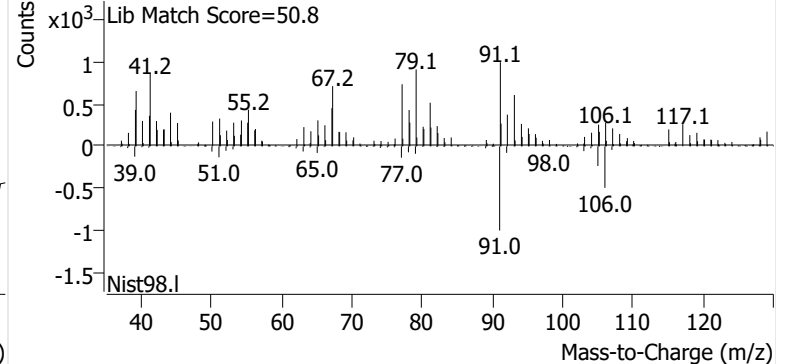


**m-/p-Xylenes**

+ EIC (91.1) Scan M2505629.d

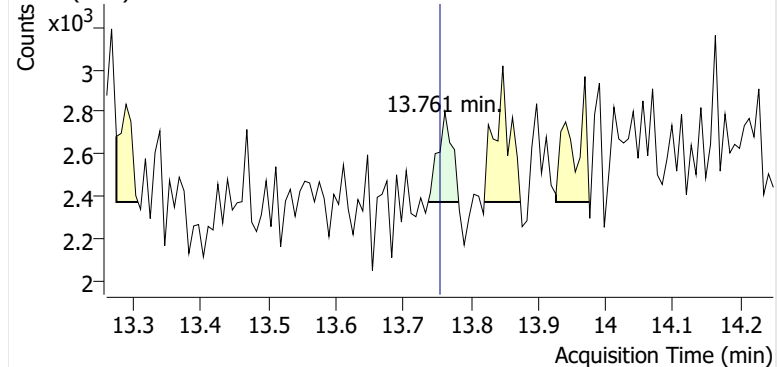


+ Scan (13.236-13.304 min, 10 scans) M2505629.d

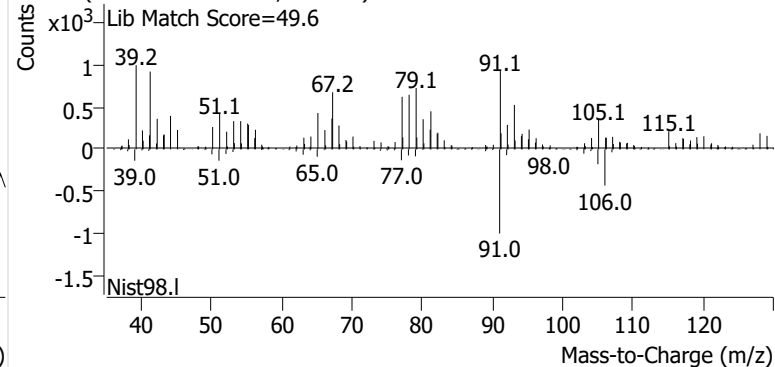


**o-Xylene**

+ EIC (91.1) Scan M2505629.d

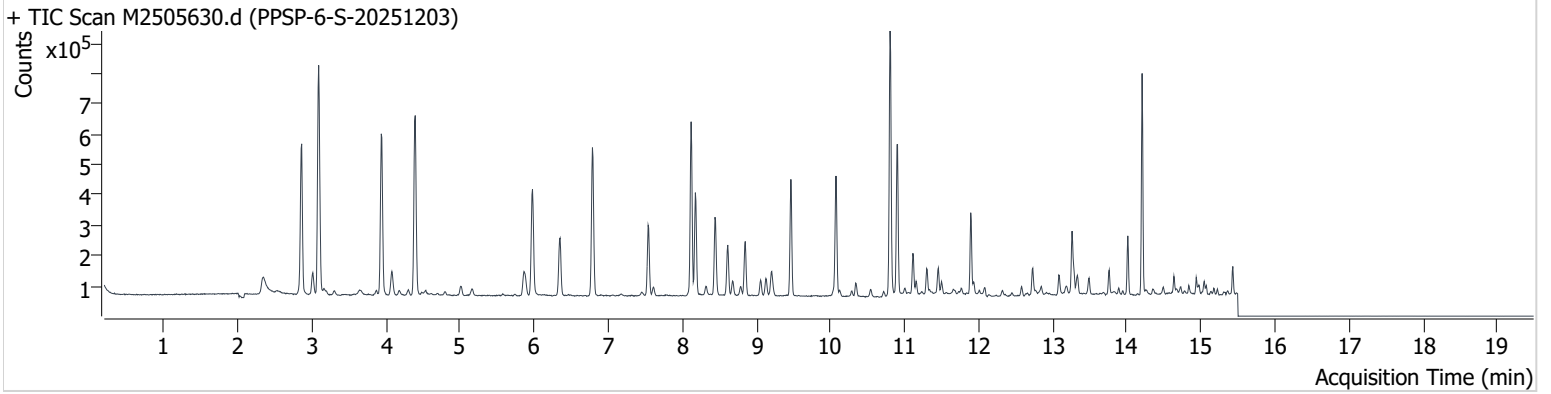


+ Scan (13.737-13.782 min, 6 scans) M2505629.d



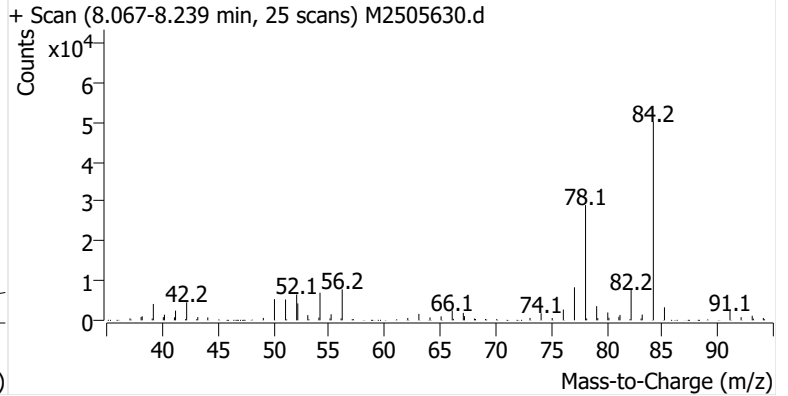
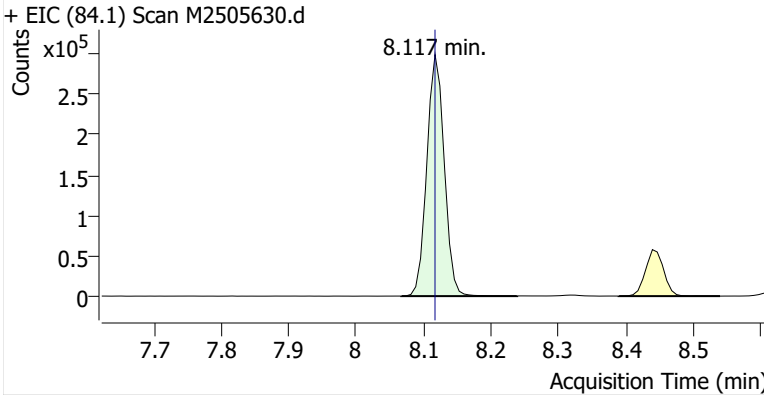
**Name** PPSP-6-S-20251203  
**Comment** C61699  
**Data File** M2505630.d  
**Acq. Date-Time** 12/18/2025 9:24:37 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carboxpack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

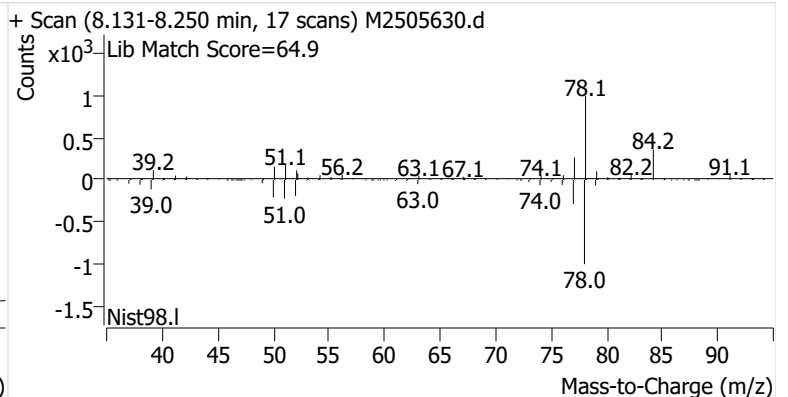
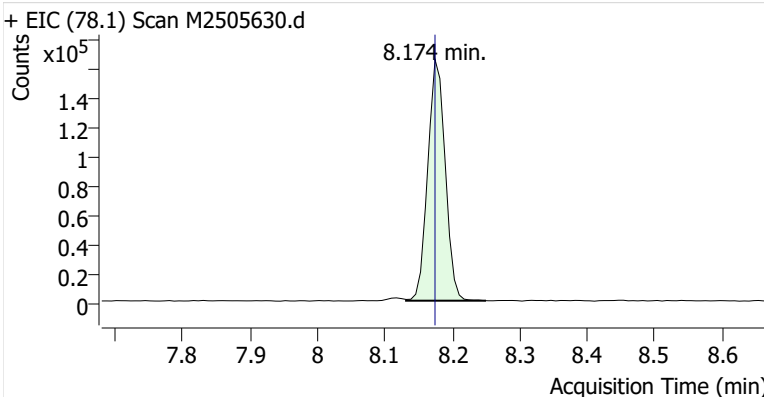


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.117	8.117	537,364	
Benzene	Benzene-d6 (IS)	8.174	8.174	295,680	
Toluene-d8 (IS)		10.803	10.803	582,775	
Toluene	Toluene-d8 (IS)	10.903	10.896	362,051	
Ethylbenzene	Toluene-d8 (IS)	13.081	13.081	44,708	
m-/p-Xylenes	Toluene-d8 (IS)	13.260	13.260	149,044	
o-Xylene	Toluene-d8 (IS)	13.761	13.754	44,231	

**Benzene-d6 (IS)**

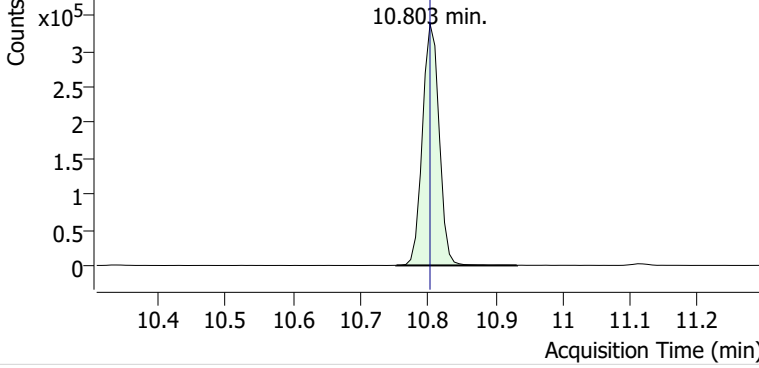


**Benzene**

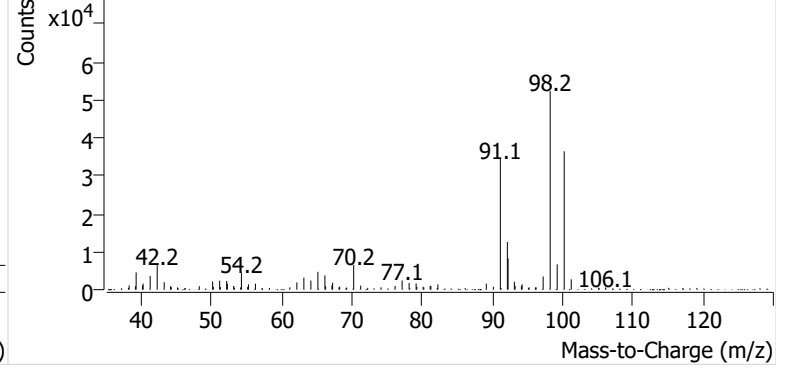


**Toluene-d8 (IS)**

+ EIC (98.1) Scan M2505630.d

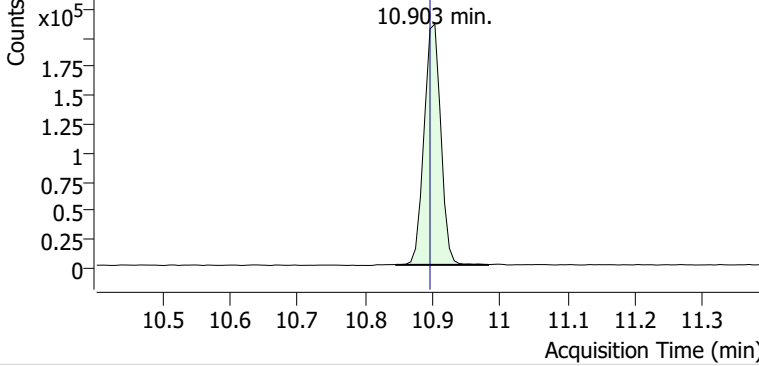


+ Scan (10.753-10.932 min, 26 scans) M2505630.d

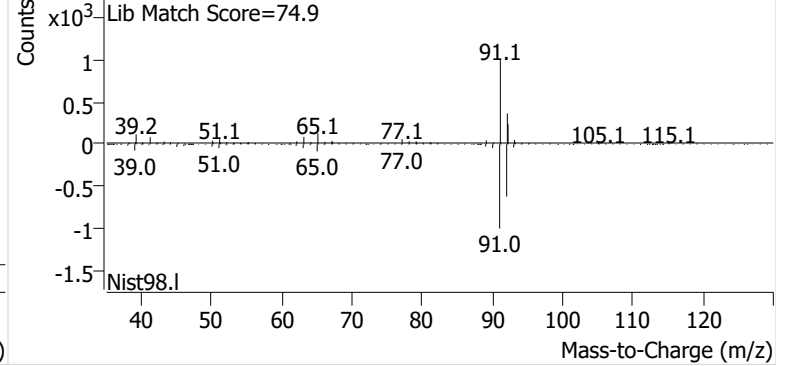


**Toluene**

+ EIC (91.1) Scan M2505630.d

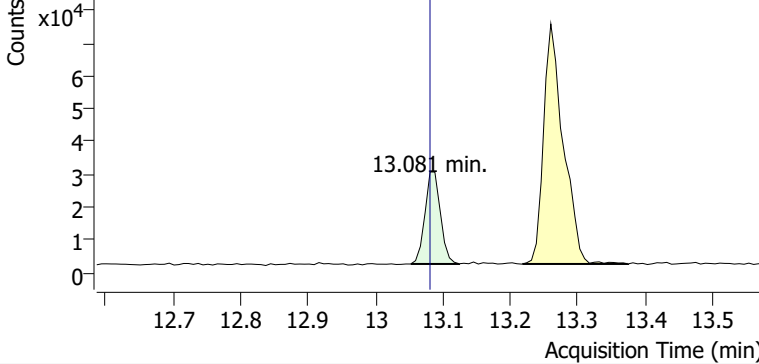


+ Scan (10.846-10.982 min, 20 scans) M2505630.d

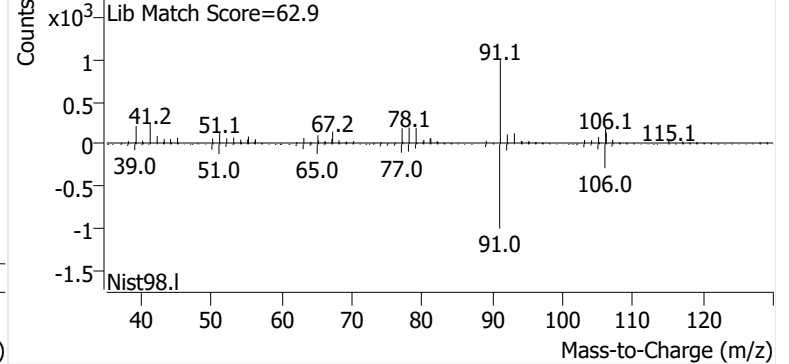


**Ethylbenzene**

+ EIC (91.1) Scan M2505630.d

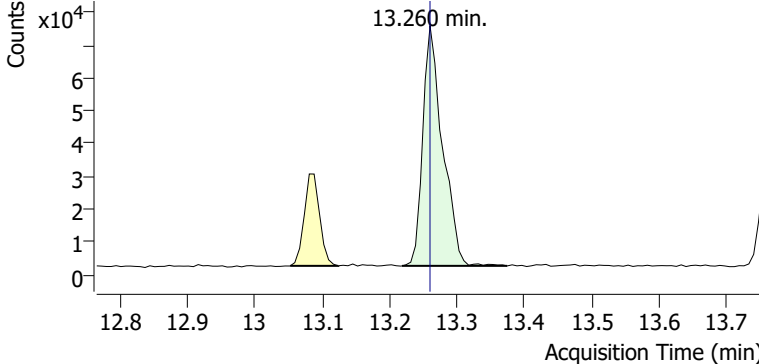


+ Scan (13.052-13.124 min, 10 scans) M2505630.d

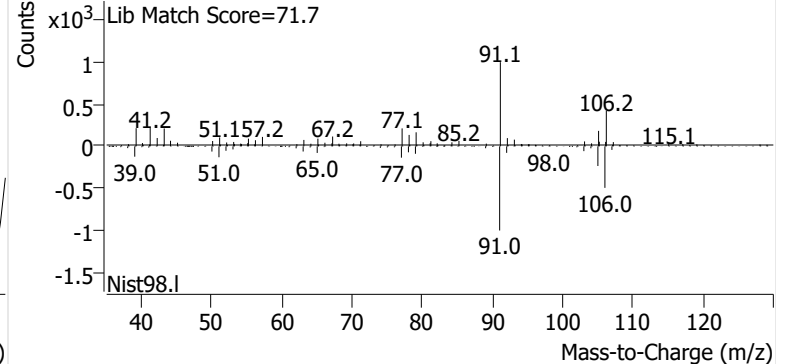


**m-/p-Xylenes**

+ EIC (91.1) Scan M2505630.d

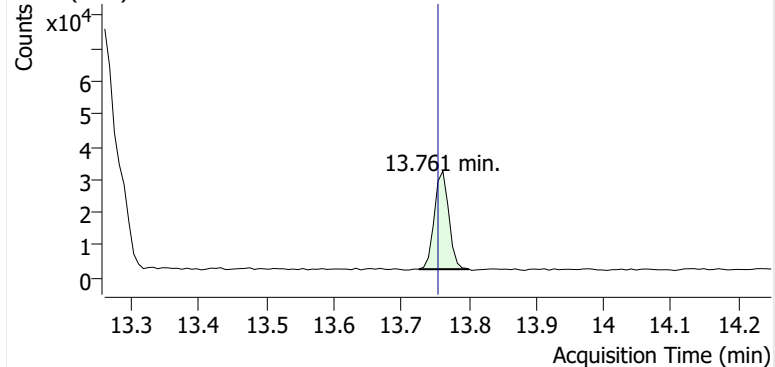


+ Scan (13.218-13.374 min, 21 scans) M2505630.d

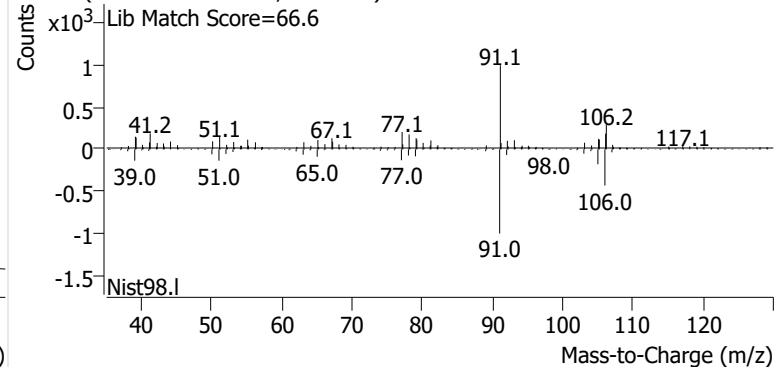


**o-Xylene**

+ EIC (91.1) Scan M2505630.d

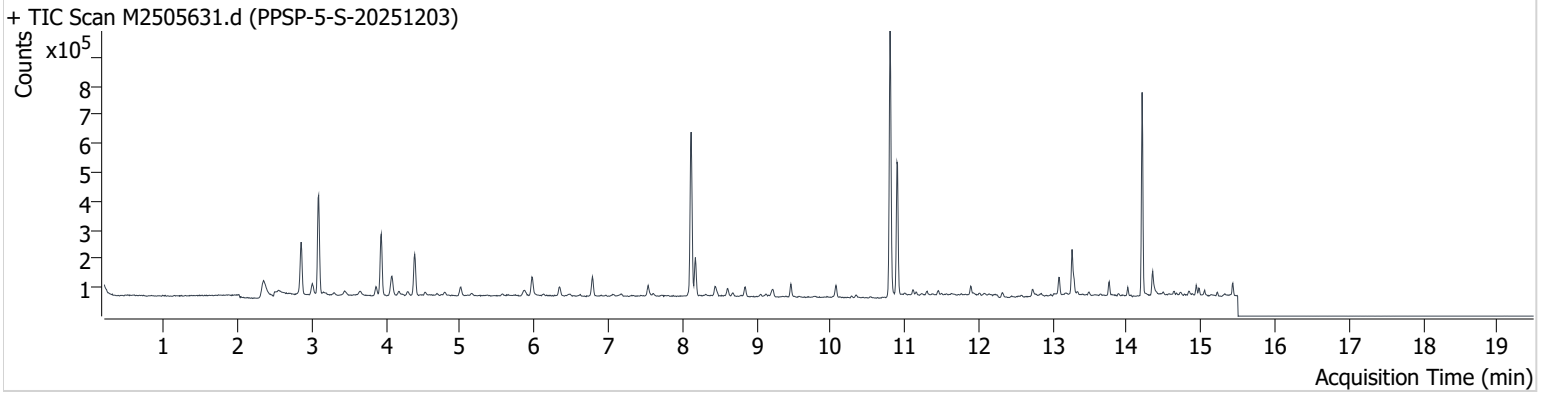


+ Scan (13.726-13.800 min, 10 scans) M2505630.d



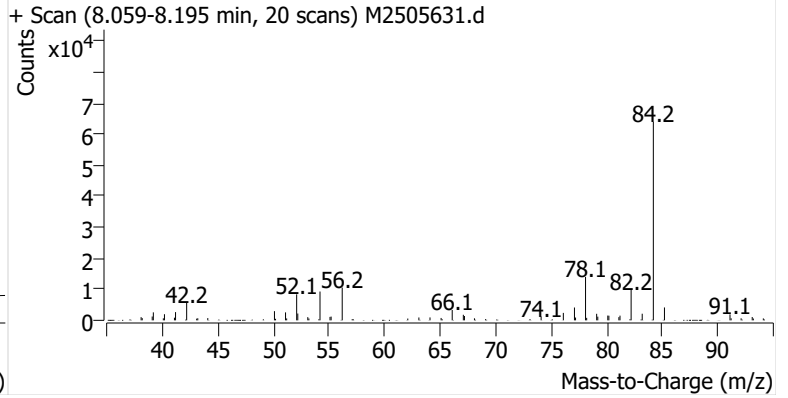
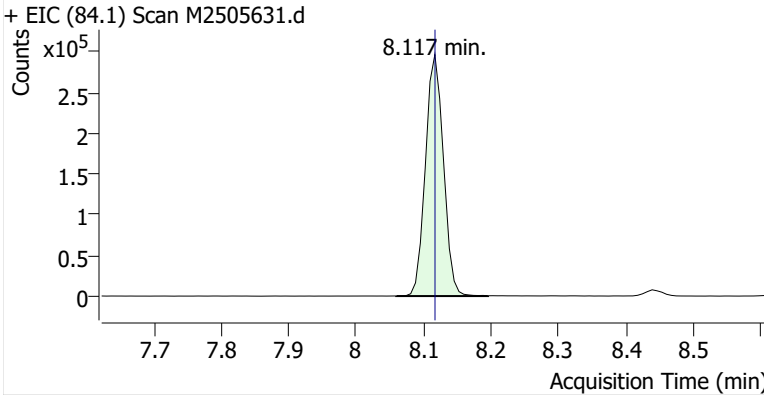
**Name** PPSP-5-S-20251203  
**Comment** B49637  
**Data File** M2505631.d  
**Acq. Date-Time** 12/18/2025 9:49:57 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carboxpack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

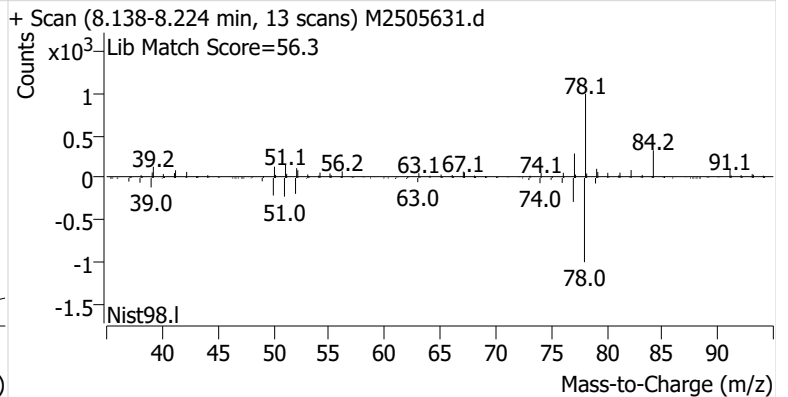
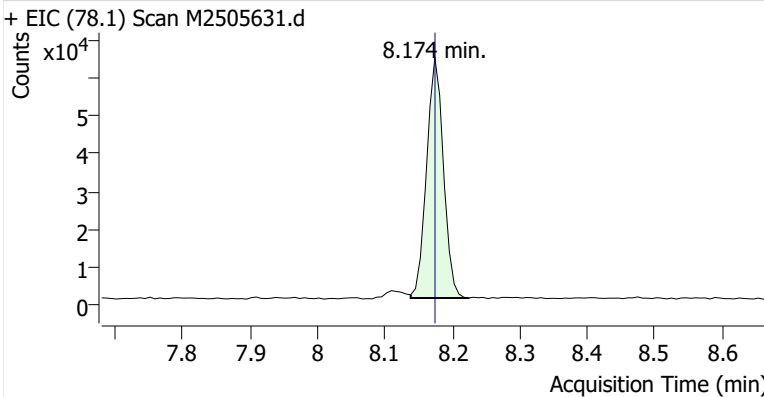


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.117	8.117	549,968	
Benzene	Benzene-d6 (IS)	8.174	8.174	110,364	
Toluene-d8 (IS)		10.803	10.803	588,302	
Toluene	Toluene-d8 (IS)	10.896	10.896	330,561	
Ethylbenzene	Toluene-d8 (IS)	13.081	13.081	42,424	
m-/p-Xylenes	Toluene-d8 (IS)	13.260	13.260	109,716	
o-Xylene	Toluene-d8 (IS)	13.761	13.754	26,958	

**Benzene-d6 (IS)**

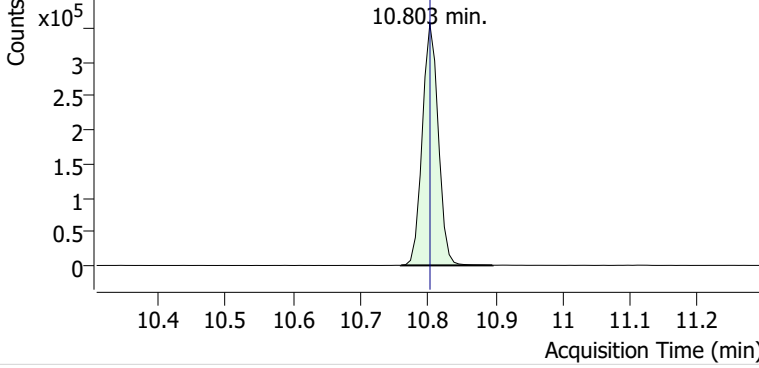


**Benzene**

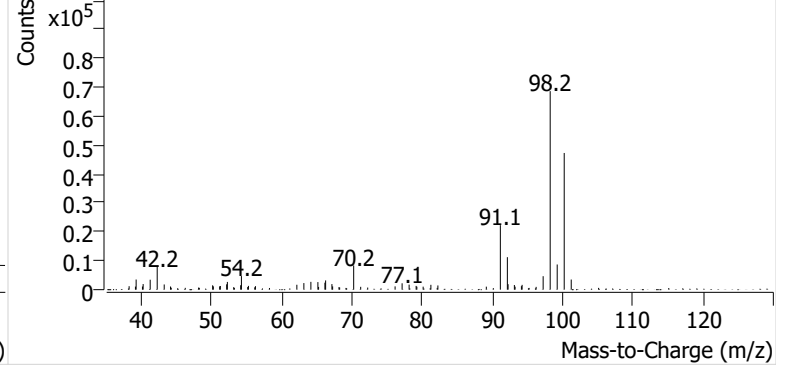


**Toluene-d8 (IS)**

+ EIC (98.1) Scan M2505631.d

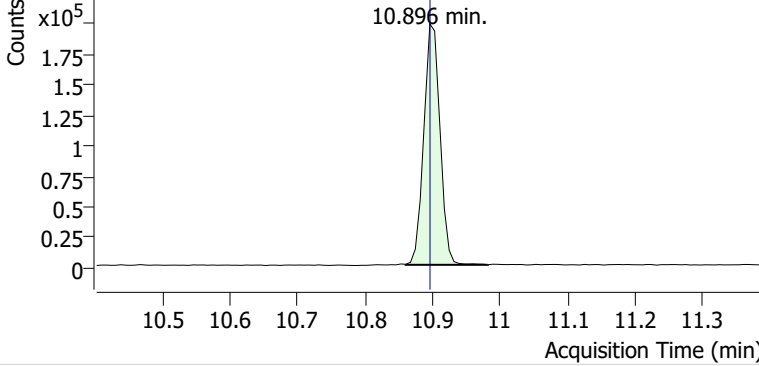


+ Scan (10.760-10.896 min, 20 scans) M2505631.d

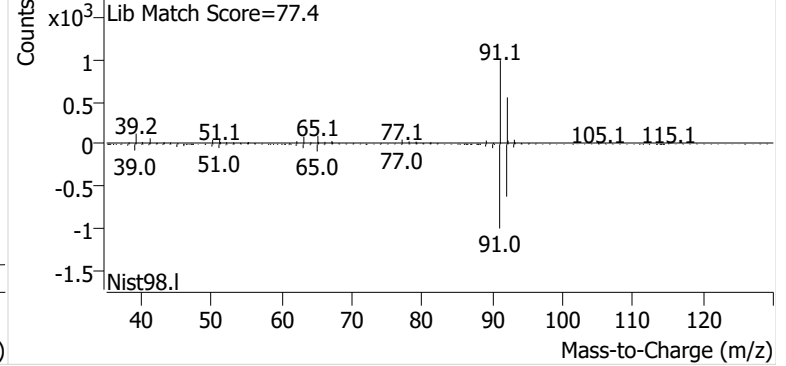


**Toluene**

+ EIC (91.1) Scan M2505631.d

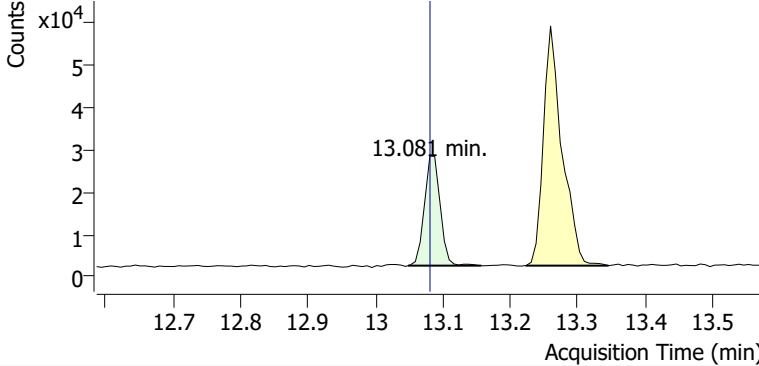


+ Scan (10.860-10.982 min, 18 scans) M2505631.d

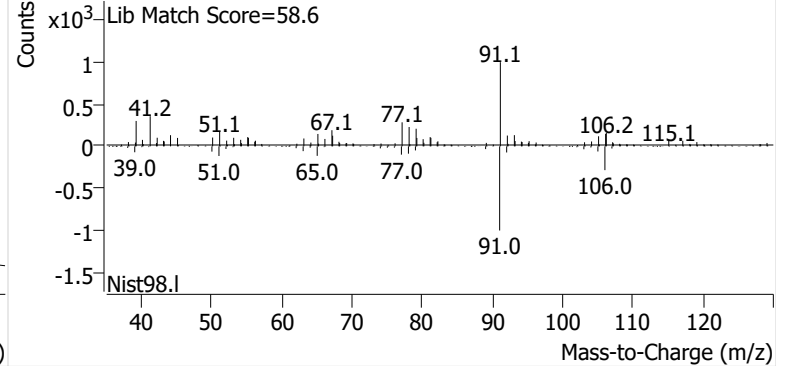


**Ethylbenzene**

+ EIC (91.1) Scan M2505631.d

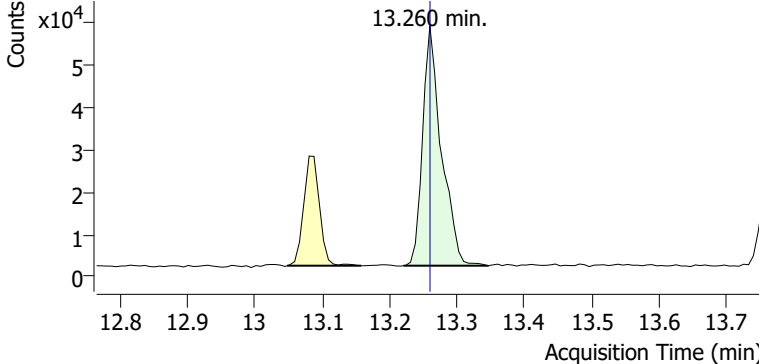


+ Scan (13.048-13.157 min, 15 scans) M2505631.d

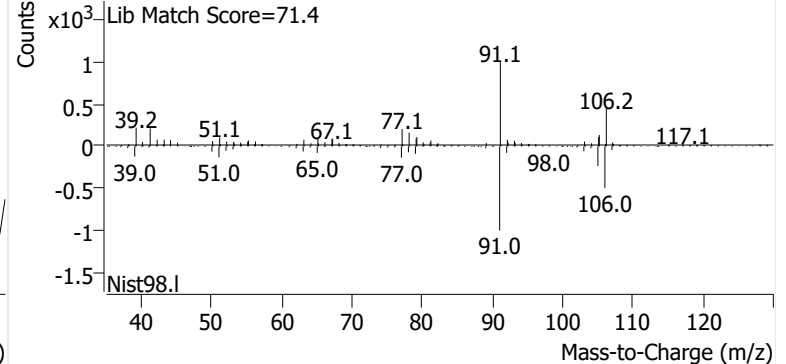


**m-/p-Xylenes**

+ EIC (91.1) Scan M2505631.d

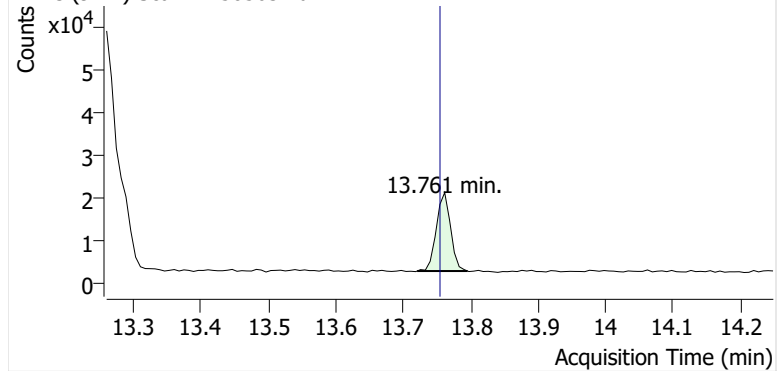


+ Scan (13.221-13.346 min, 18 scans) M2505631.d

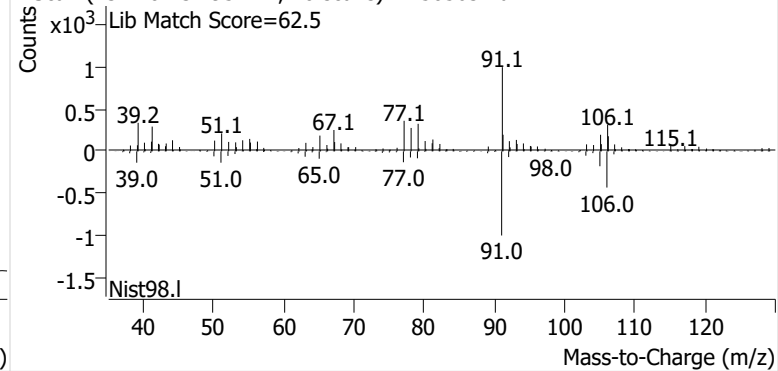


**o-Xylene**

+ EIC (91.1) Scan M2505631.d

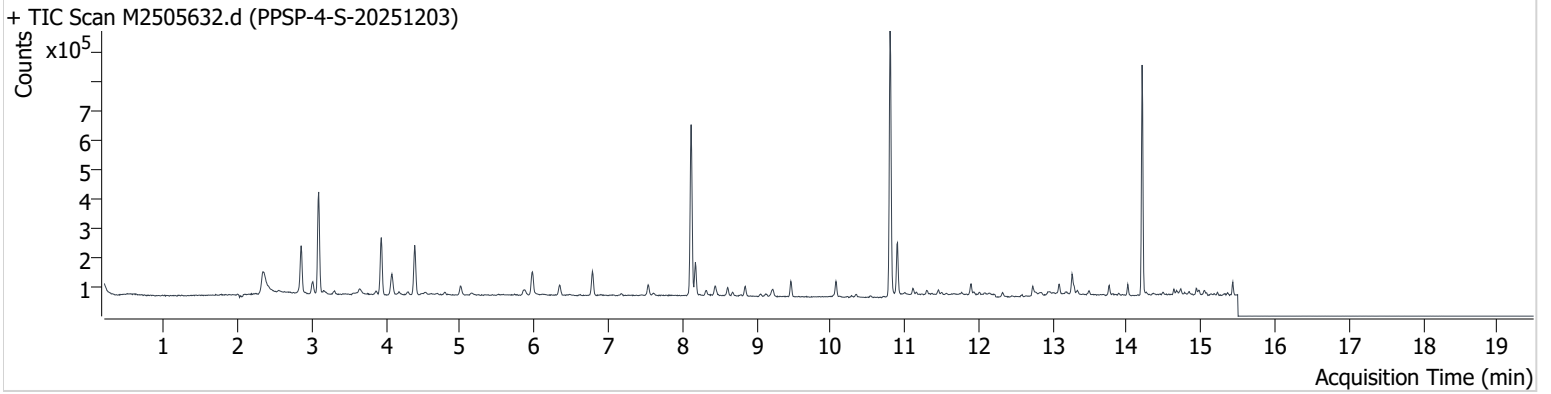


+ Scan (13.720-13.795 min, 10 scans) M2505631.d



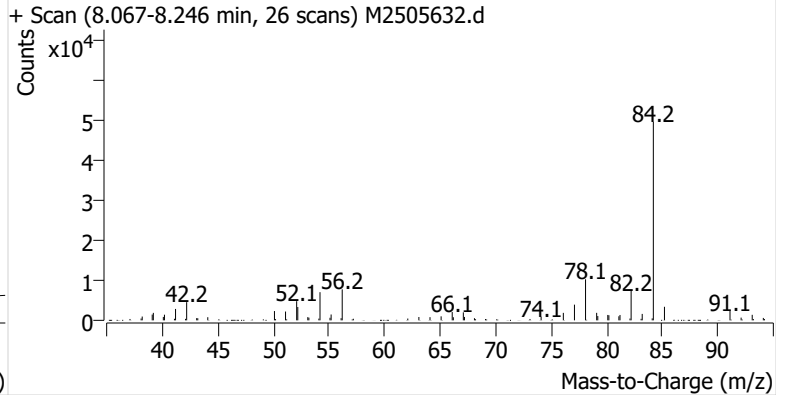
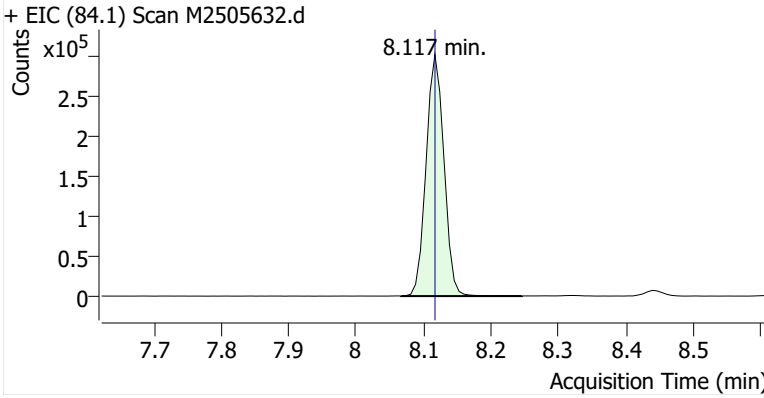
**Name** PPSP-4-S-20251203  
**Comment** C56787  
**Data File** M2505632.d  
**Acq. Date-Time** 12/18/2025 10:15:09 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carboxpack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

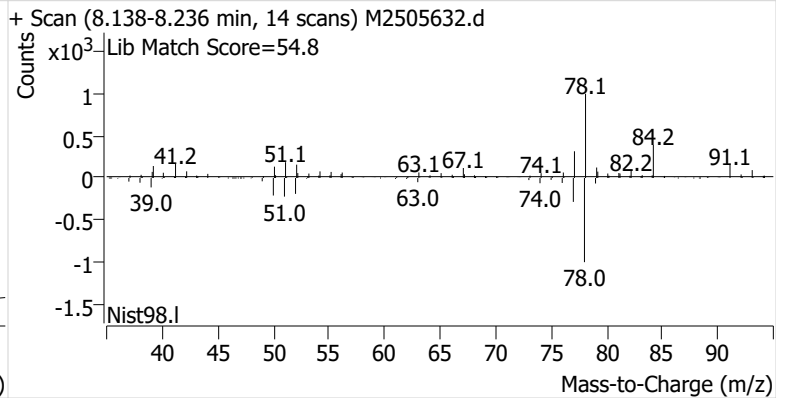
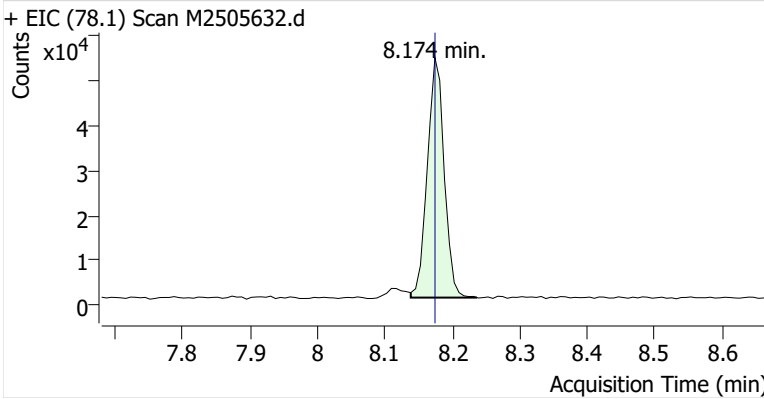


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.117	8.117	557,187	
Benzene	Benzene-d6 (IS)	8.174	8.174	92,739	
Toluene-d8 (IS)		10.803	10.803	591,664	
Toluene	Toluene-d8 (IS)	10.903	10.896	117,624	
Ethylbenzene	Toluene-d8 (IS)	13.088	13.081	21,238	
m-/p-Xylenes	Toluene-d8 (IS)	13.260	13.260	50,673	
o-Xylene	Toluene-d8 (IS)	13.761	13.754	17,994	

**Benzene-d6 (IS)**

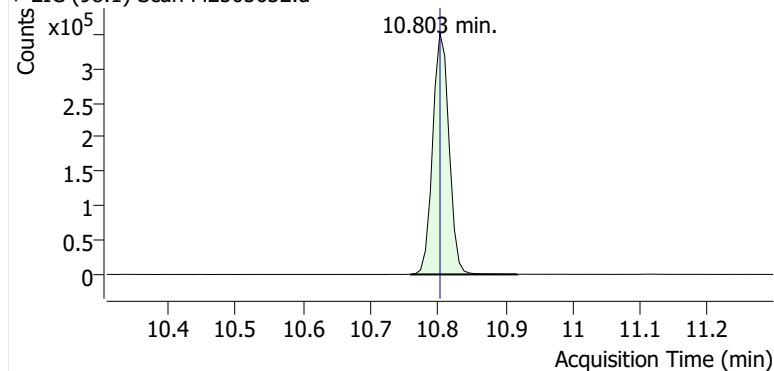


**Benzene**

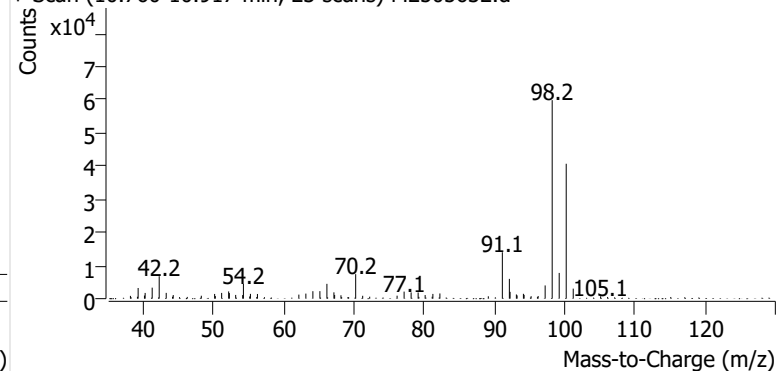


**Toluene-d8 (IS)**

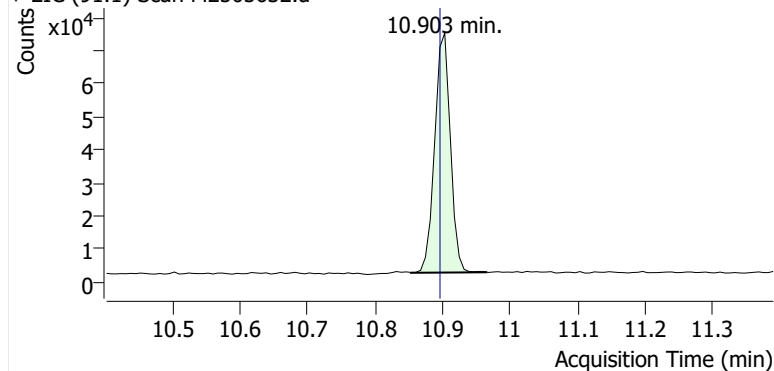
+ EIC (98.1) Scan M2505632.d



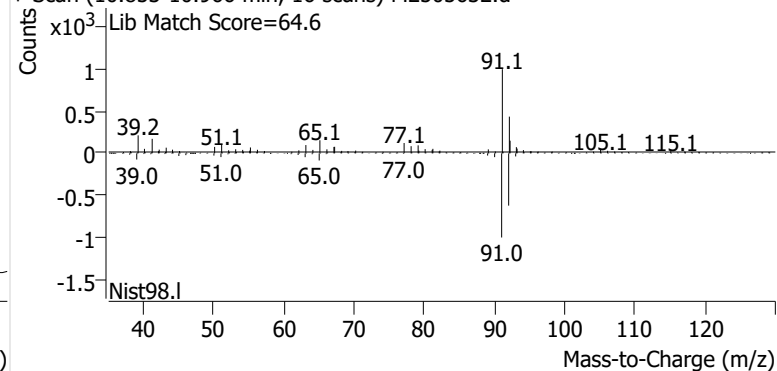
+ Scan (10.760-10.917 min, 23 scans) M2505632.d

**Toluene**

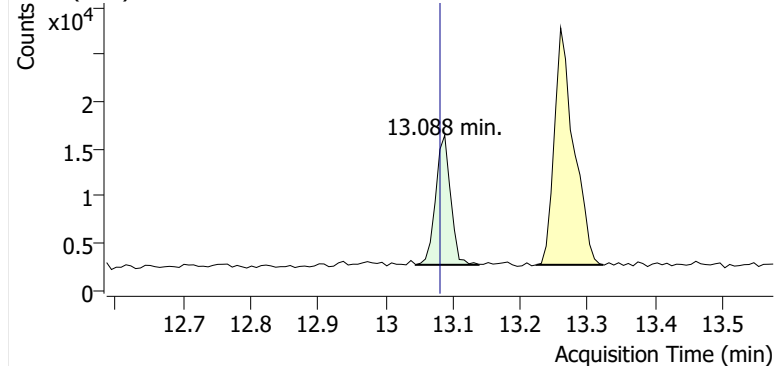
+ EIC (91.1) Scan M2505632.d



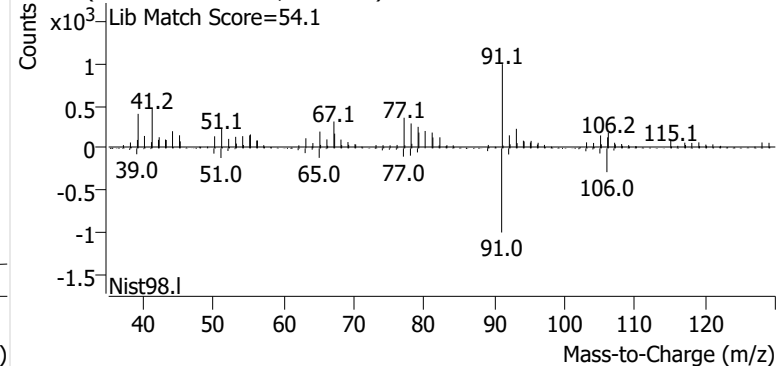
+ Scan (10.853-10.966 min, 16 scans) M2505632.d

**Ethylbenzene**

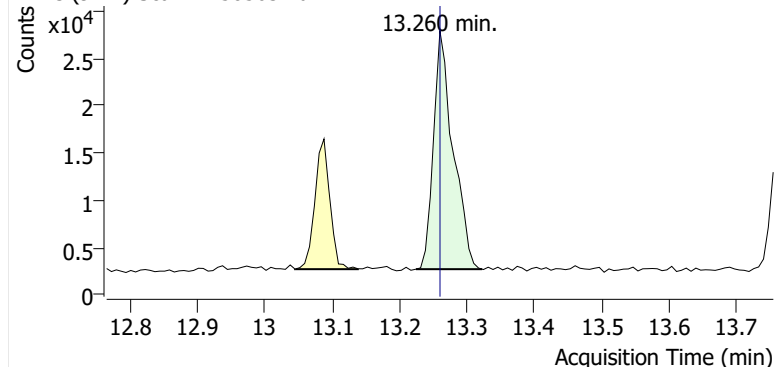
+ EIC (91.1) Scan M2505632.d



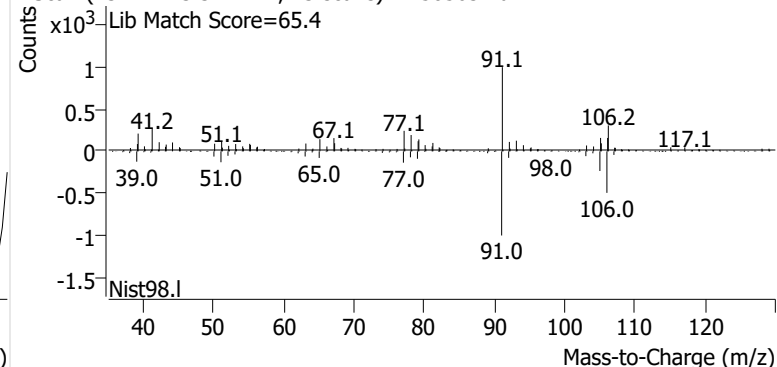
+ Scan (13.045-13.138 min, 14 scans) M2505632.d

**m-/p-Xylenes**

+ EIC (91.1) Scan M2505632.d

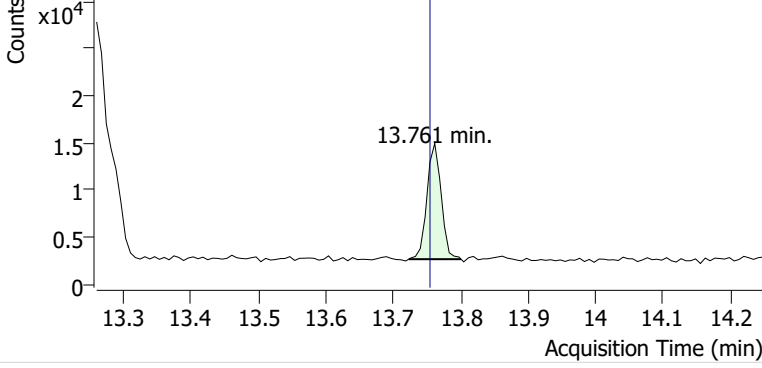


+ Scan (13.224-13.322 min, 13 scans) M2505632.d

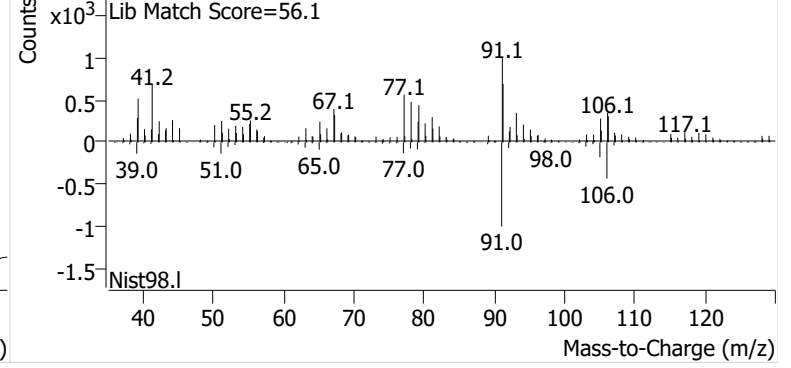


**o-Xylene**

+ EIC (91.1) Scan M2505632.d

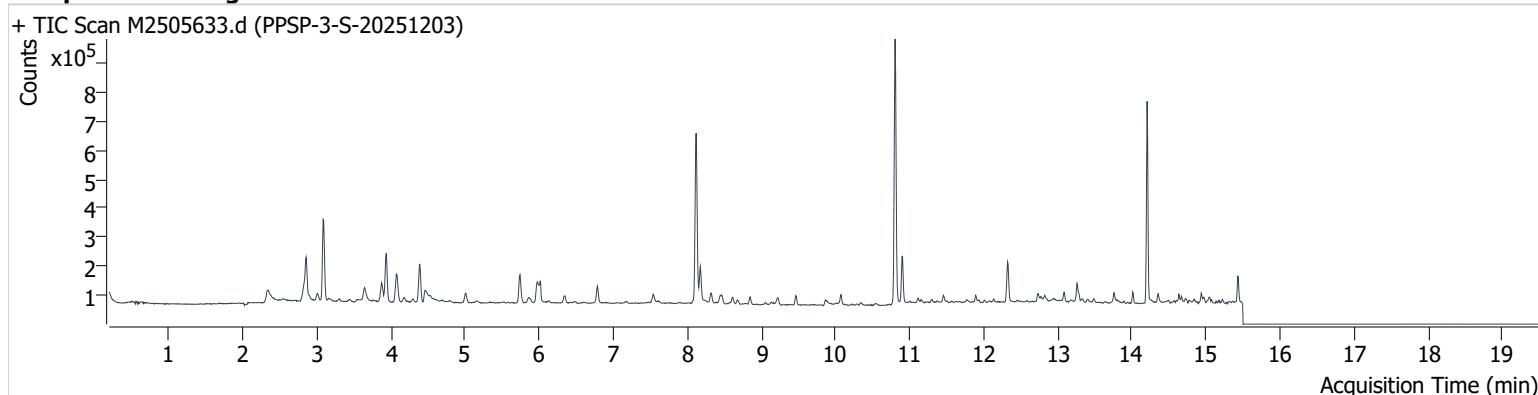


+ Scan (13.723-13.800 min, 11 scans) M2505632.d



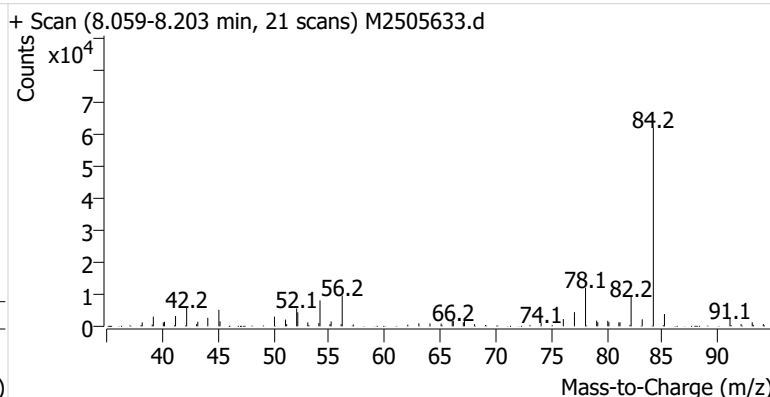
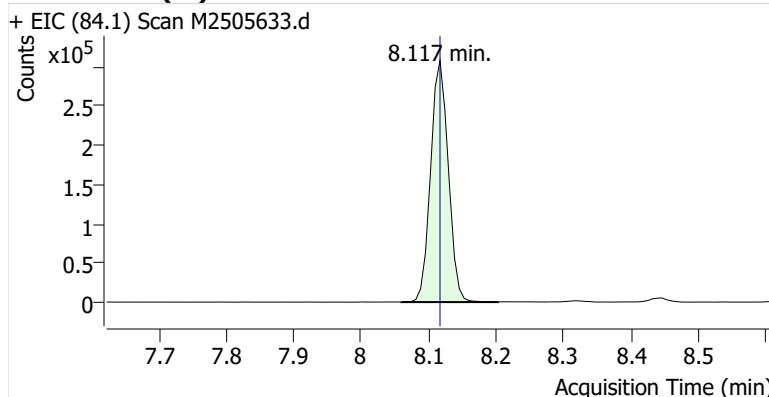
**Name** PPSP-3-S-20251203  
**Comment** C71785  
**Data File** M2505633.d  
**Acq. Date-Time** 12/18/2025 10:40:27 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

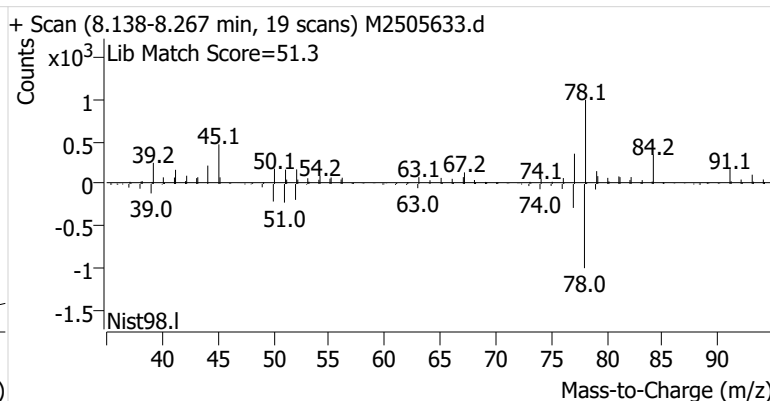
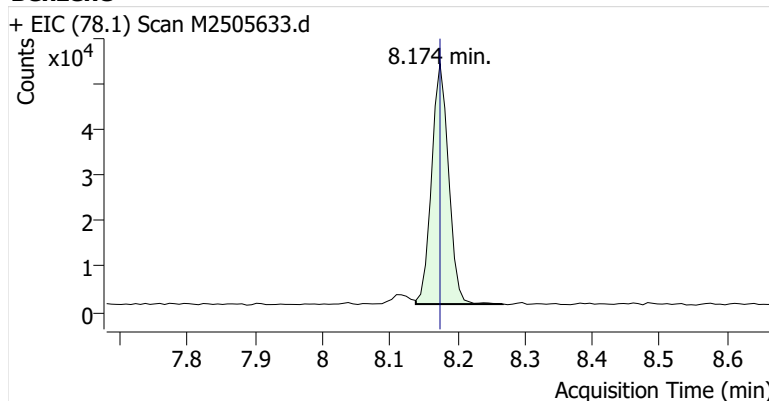


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.117	8.117	560,914	
Benzene	Benzene-d6 (IS)	8.174	8.174	92,325	
Toluene-d8 (IS)		10.803	10.803	600,903	
Toluene	Toluene-d8 (IS)	10.896	10.896	109,188	
Ethylbenzene	Toluene-d8 (IS)	13.088	13.081	22,021	
m-/p-Xylenes	Toluene-d8 (IS)	13.260	13.260	46,436	
o-Xylene	Toluene-d8 (IS)	13.761	13.754	17,541	

**Benzene-d6 (IS)**

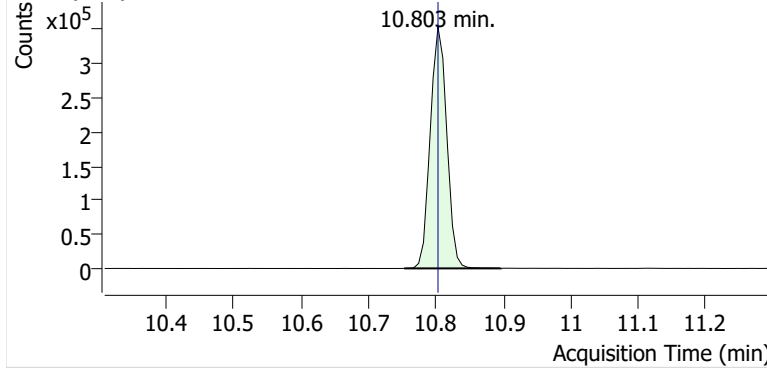


**Benzene**

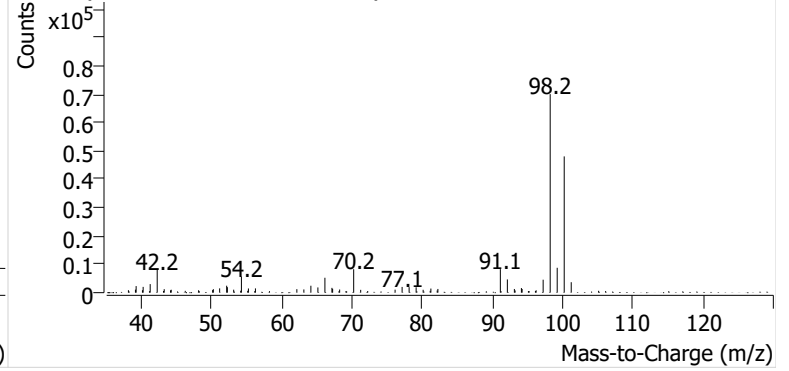


**Toluene-d8 (IS)**

+ EIC (98.1) Scan M2505633.d

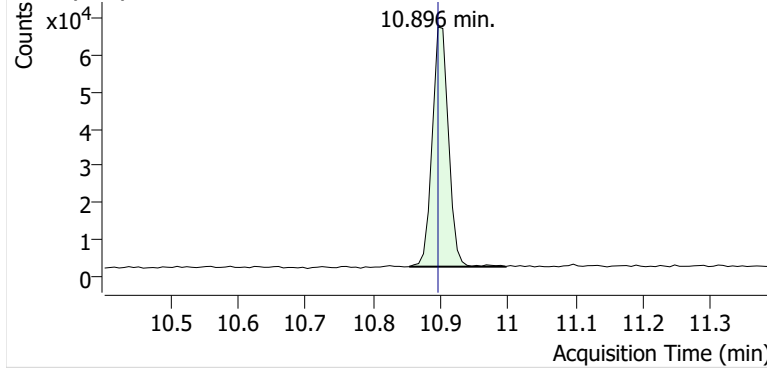


+ Scan (10.753-10.896 min, 20 scans) M2505633.d

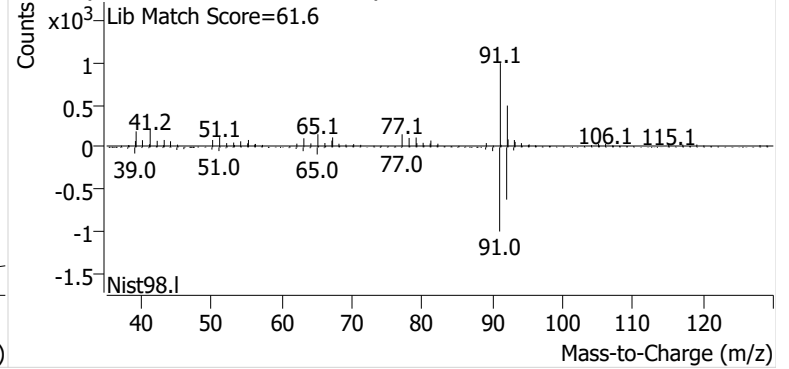


**Toluene**

+ EIC (91.1) Scan M2505633.d

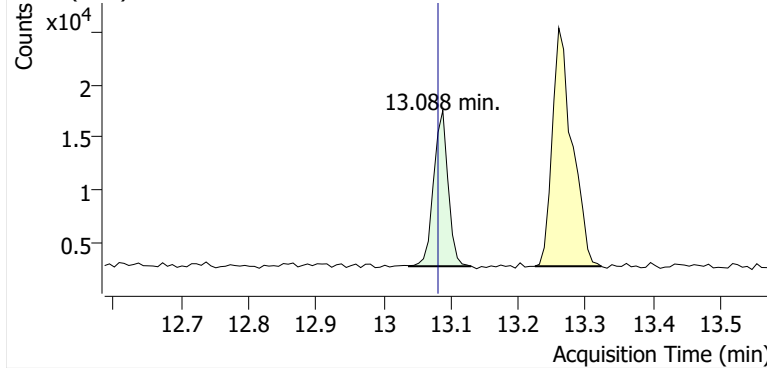


+ Scan (10.853-10.996 min, 20 scans) M2505633.d

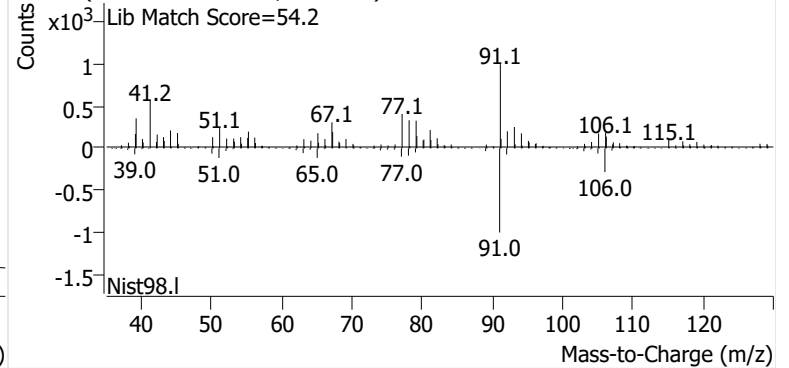


**Ethylbenzene**

+ EIC (91.1) Scan M2505633.d

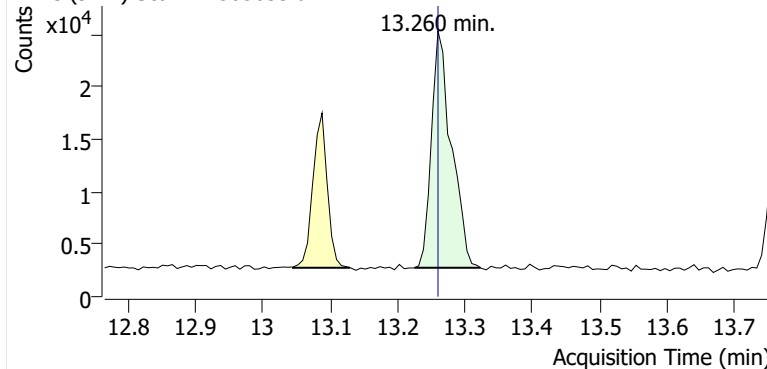


+ Scan (13.038-13.130 min, 13 scans) M2505633.d

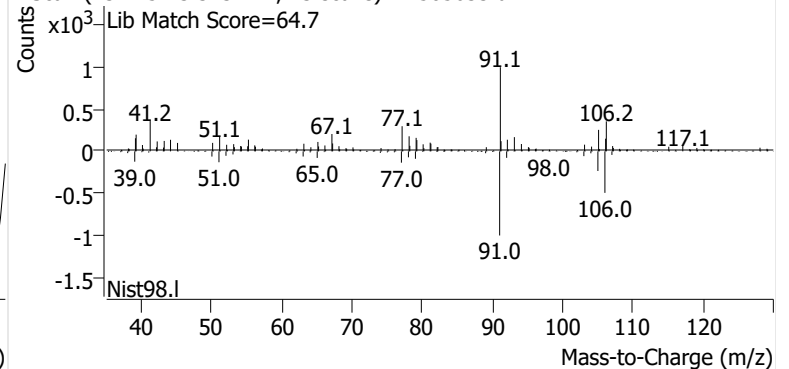


**m-/p-Xylenes**

+ EIC (91.1) Scan M2505633.d

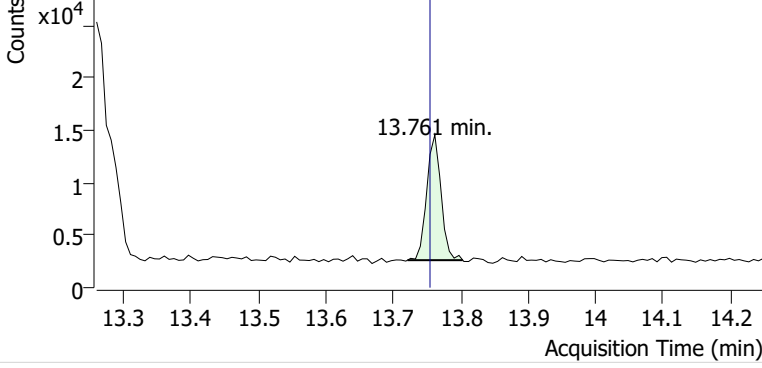


+ Scan (13.225-13.323 min, 13 scans) M2505633.d

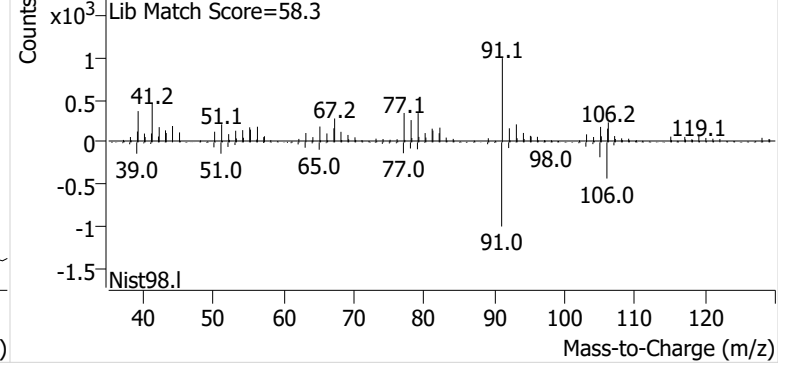


**o-Xylene**

+ EIC (91.1) Scan M2505633.d

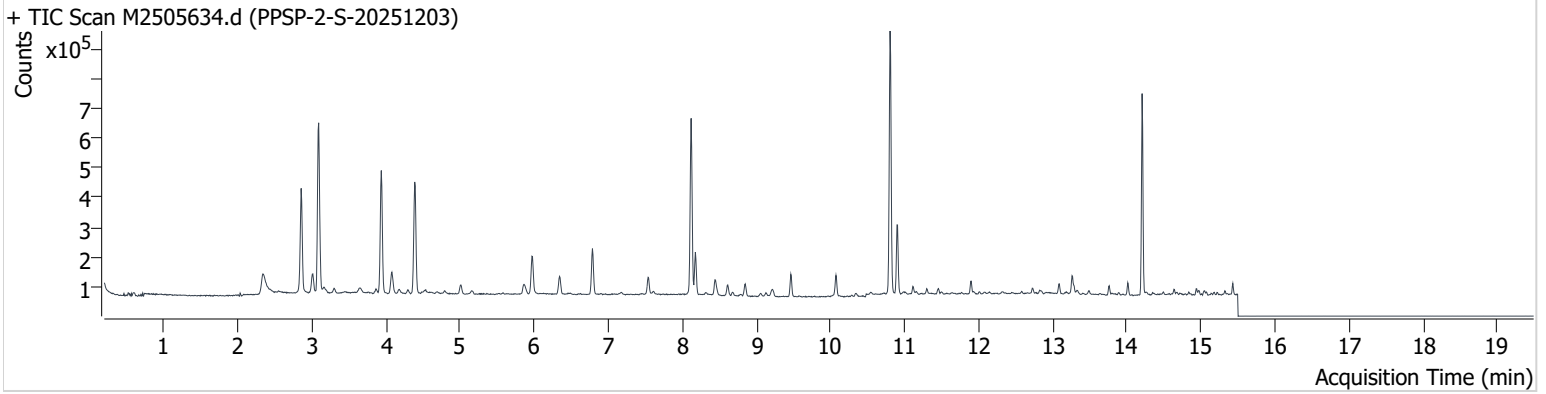


+ Scan (13.721-13.803 min, 11 scans) M2505633.d



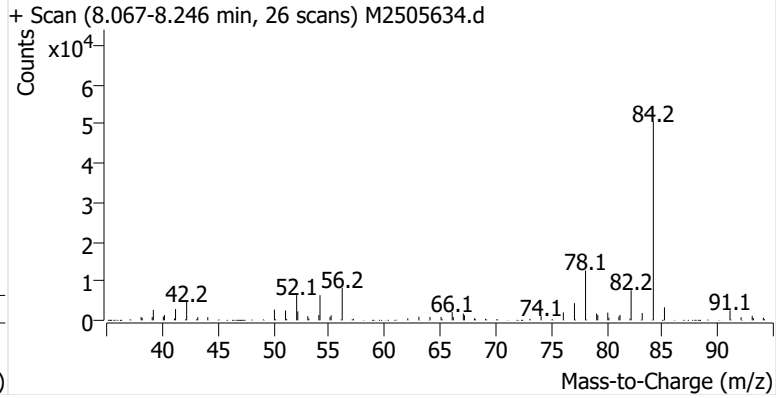
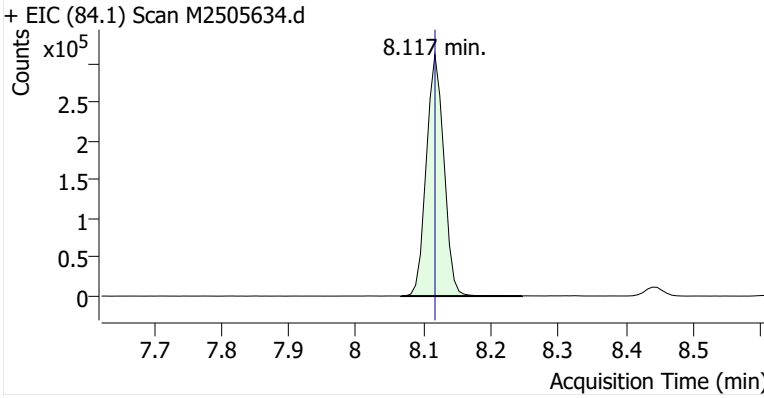
**Name** PPSP-2-S-20251203  
**Comment** C57653  
**Data File** M2505634.d  
**Acq. Date-Time** 12/18/2025 11:05:46 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carboxpack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

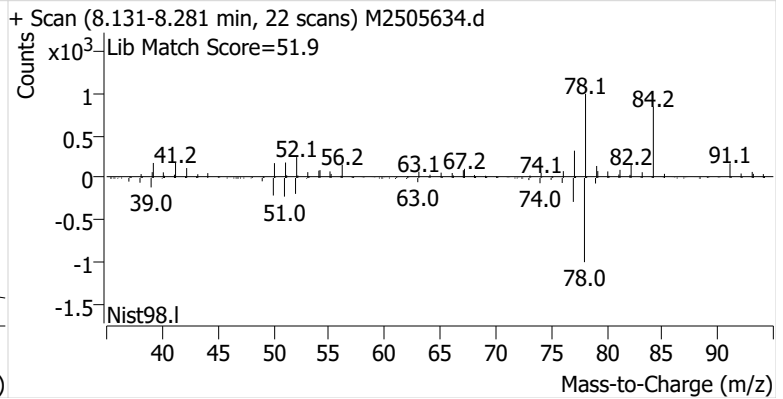
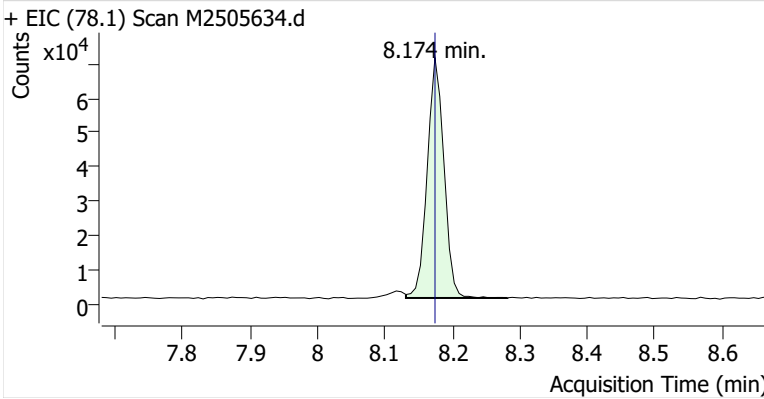


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.117	8.117	563,442	
Benzene	Benzene-d6 (IS)	8.174	8.174	120,745	
Toluene-d8 (IS)		10.803	10.803	595,578	
Toluene	Toluene-d8 (IS)	10.903	10.896	162,626	
Ethylbenzene	Toluene-d8 (IS)	13.088	13.081	21,344	
m-/p-Xylenes	Toluene-d8 (IS)	13.260	13.260	46,642	
o-Xylene	Toluene-d8 (IS)	13.761	13.754	16,736	

**Benzene-d6 (IS)**

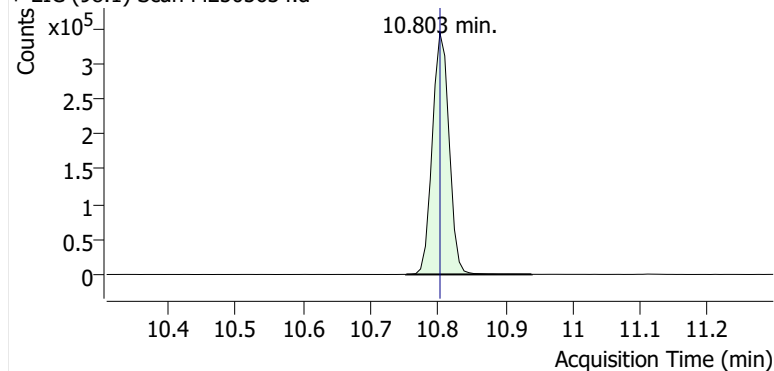


**Benzene**

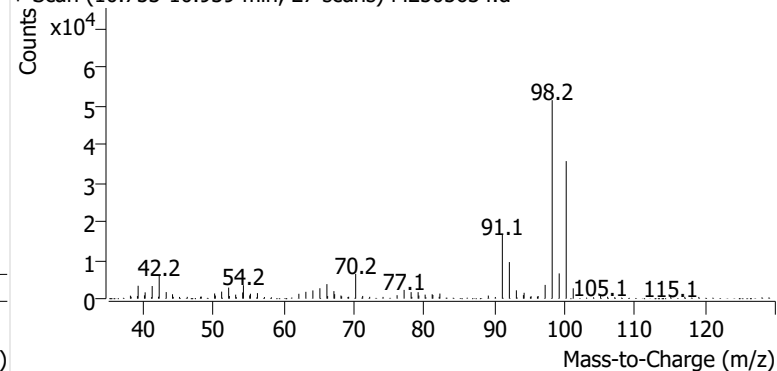


**Toluene-d8 (IS)**

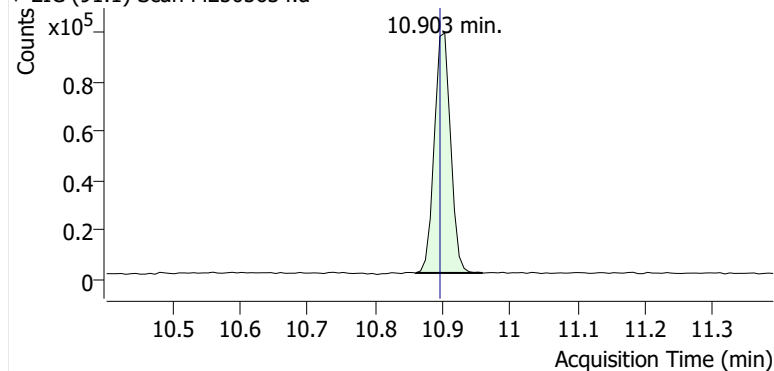
+ EIC (98.1) Scan M2505634.d



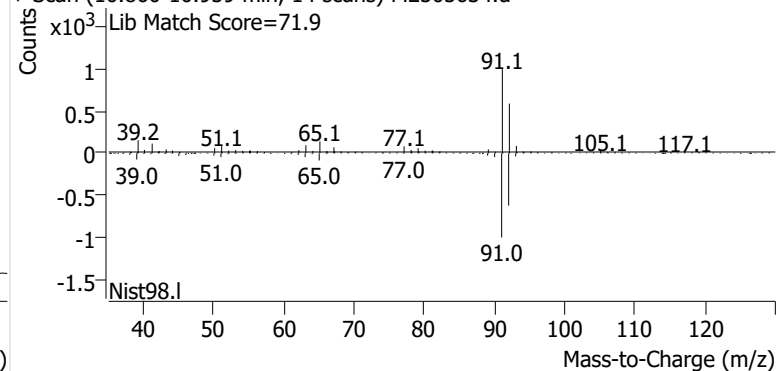
+ Scan (10.753-10.939 min, 27 scans) M2505634.d

**Toluene**

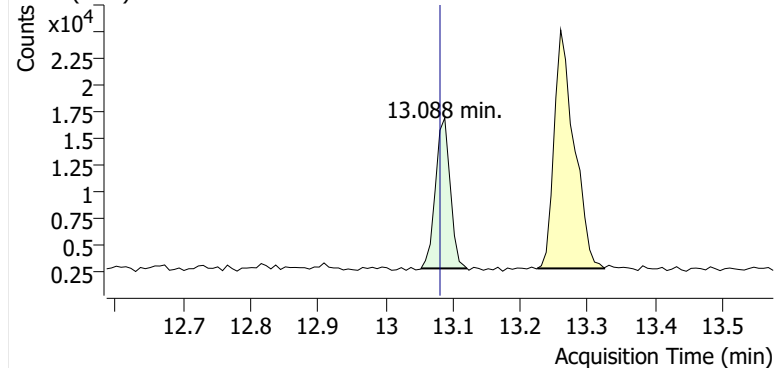
+ EIC (91.1) Scan M2505634.d



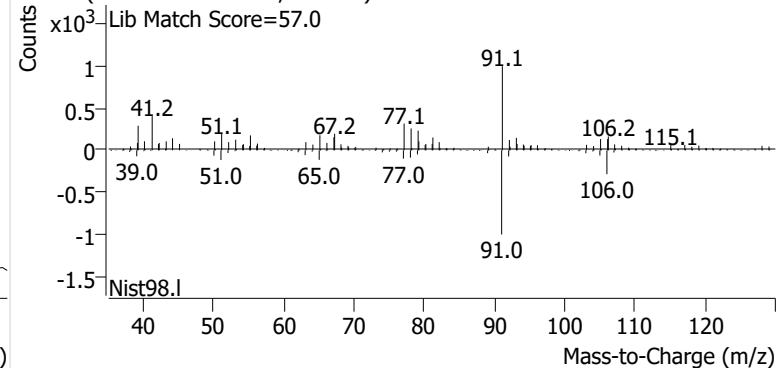
+ Scan (10.860-10.959 min, 14 scans) M2505634.d

**Ethylbenzene**

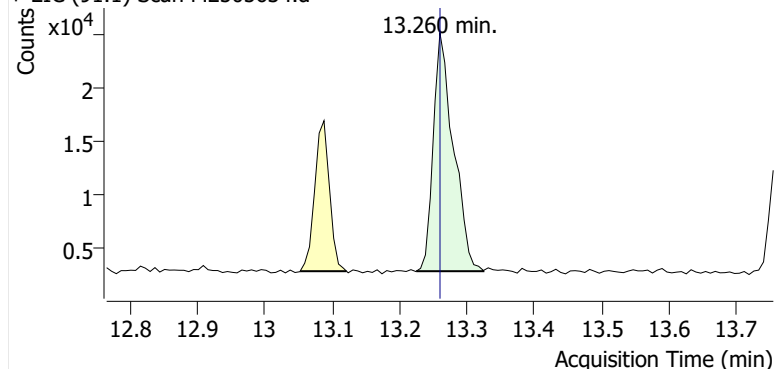
+ EIC (91.1) Scan M2505634.d



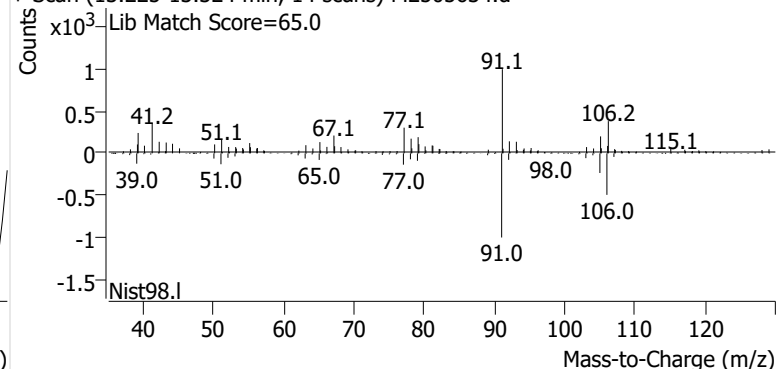
+ Scan (13.053-13.121 min, 9 scans) M2505634.d

**m-/p-Xylenes**

+ EIC (91.1) Scan M2505634.d

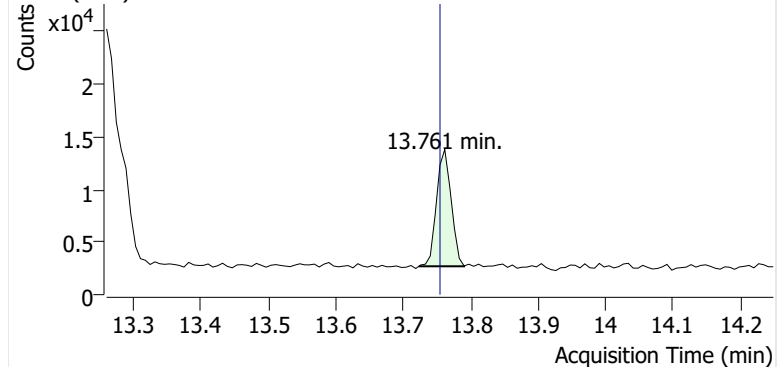


+ Scan (13.225-13.324 min, 14 scans) M2505634.d

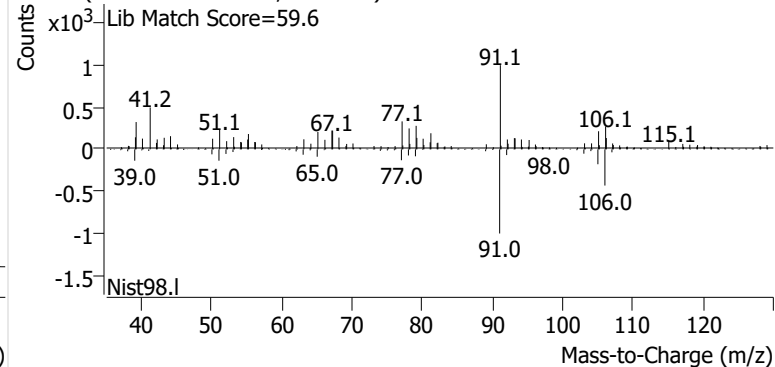


**o-Xylene**

+ EIC (91.1) Scan M2505634.d

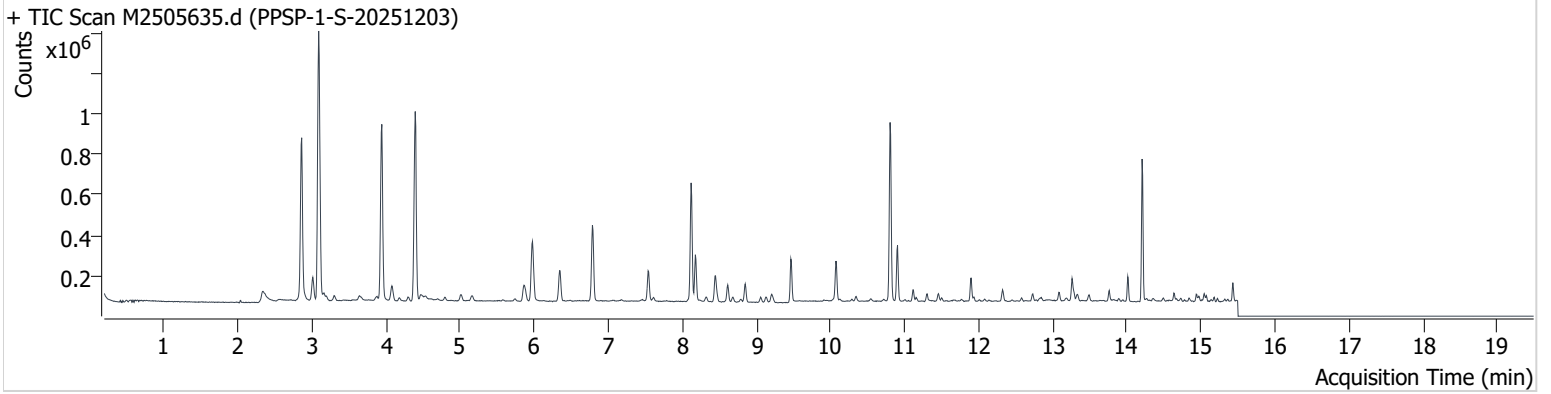


+ Scan (13.723-13.790 min, 10 scans) M2505634.d



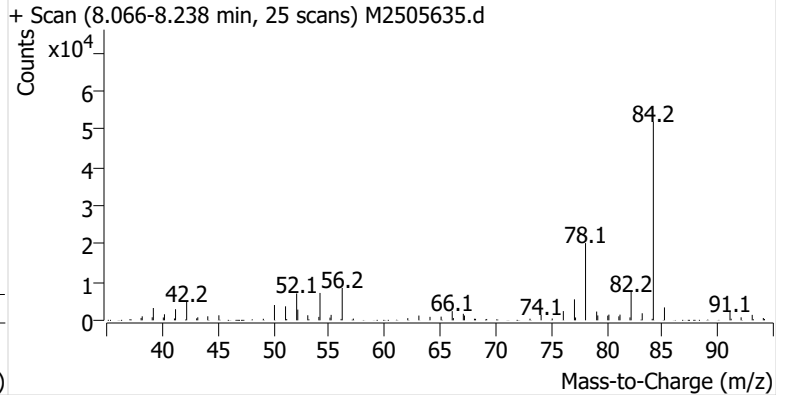
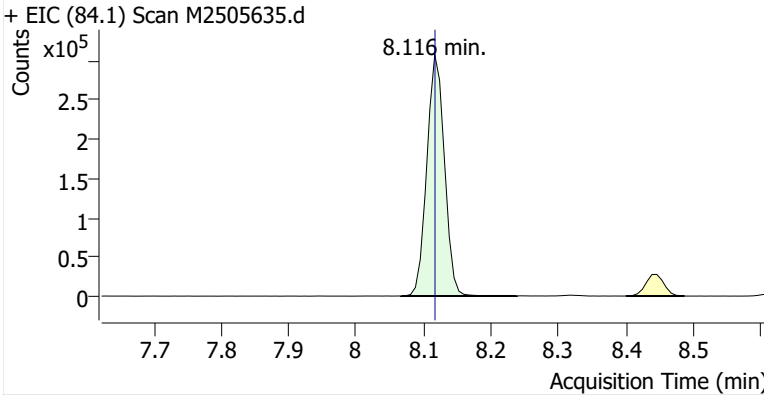
**Name** PPSP-1-S-20251203  
**Comment** C69560  
**Data File** M2505635.d  
**Acq. Date-Time** 12/18/2025 11:31:01 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carboxpack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

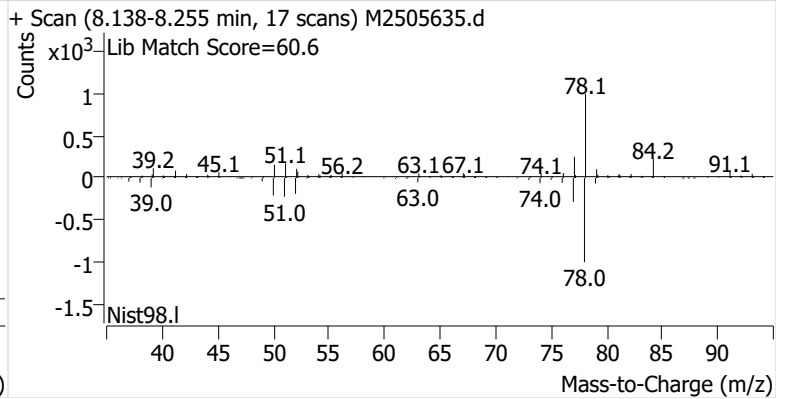
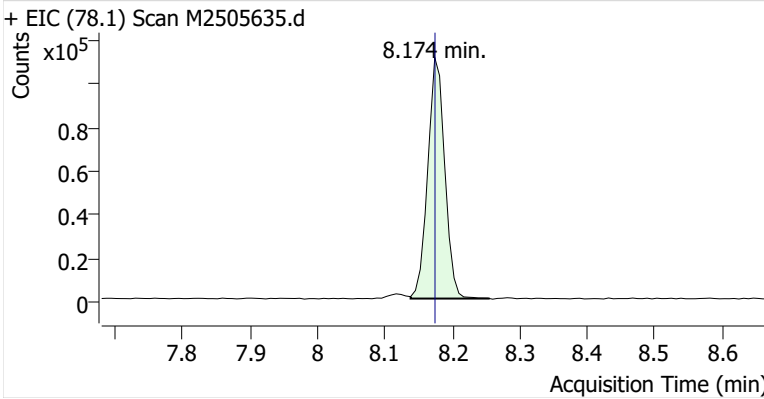


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.116	8.117	557,830	
Benzene	Benzene-d6 (IS)	8.174	8.174	193,950	
Toluene-d8 (IS)		10.803	10.803	594,117	
Toluene	Toluene-d8 (IS)	10.903	10.896	184,843	
Ethylbenzene	Toluene-d8 (IS)	13.088	13.081	28,758	
m-/p-Xylenes	Toluene-d8 (IS)	13.260	13.260	79,999	
o-Xylene	Toluene-d8 (IS)	13.761	13.754	27,010	

**Benzene-d6 (IS)**

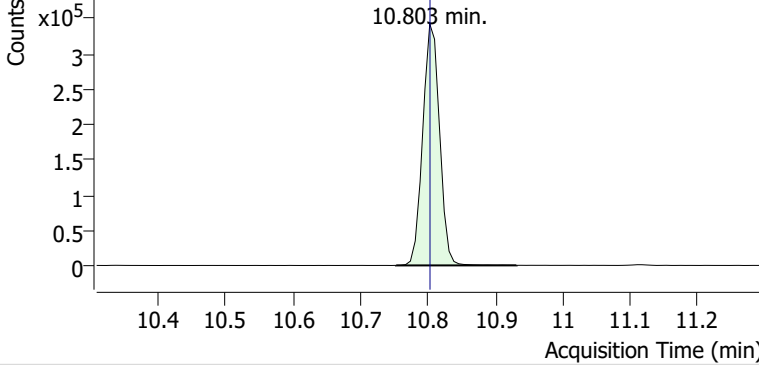


**Benzene**

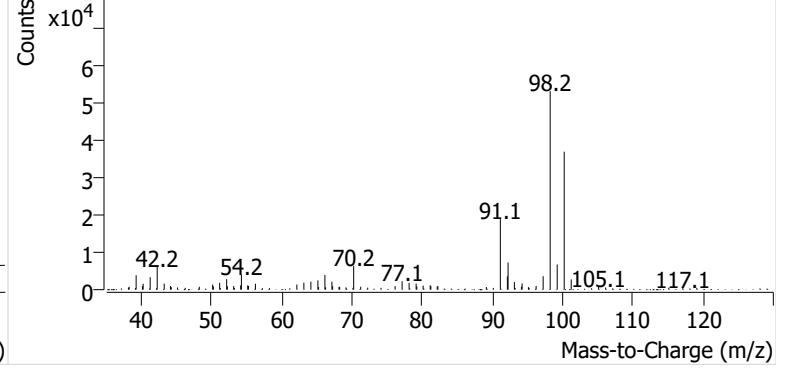


**Toluene-d8 (IS)**

+ EIC (98.1) Scan M2505635.d

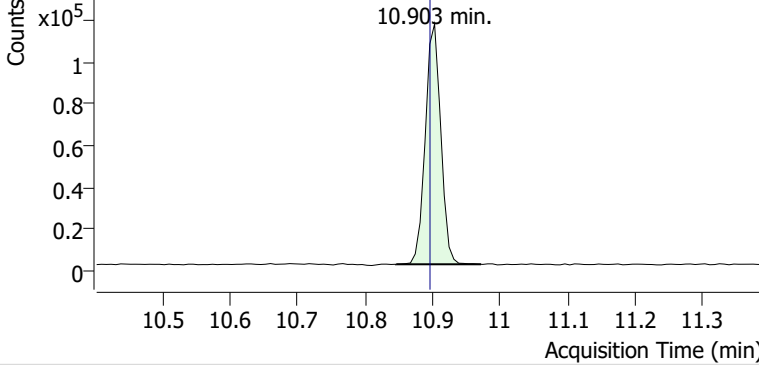


+ Scan (10.752-10.932 min, 26 scans) M2505635.d

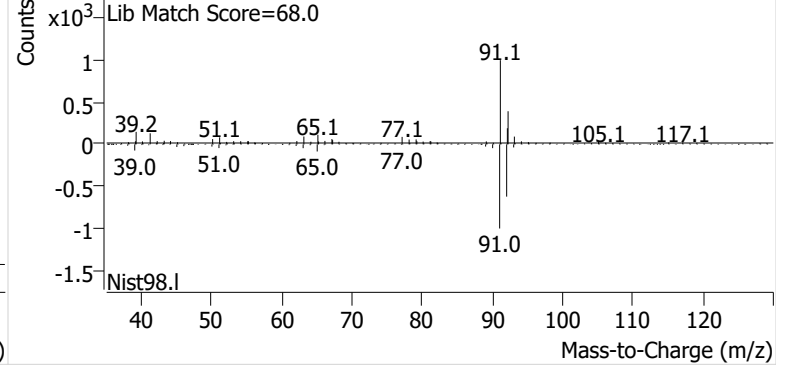


**Toluene**

+ EIC (91.1) Scan M2505635.d

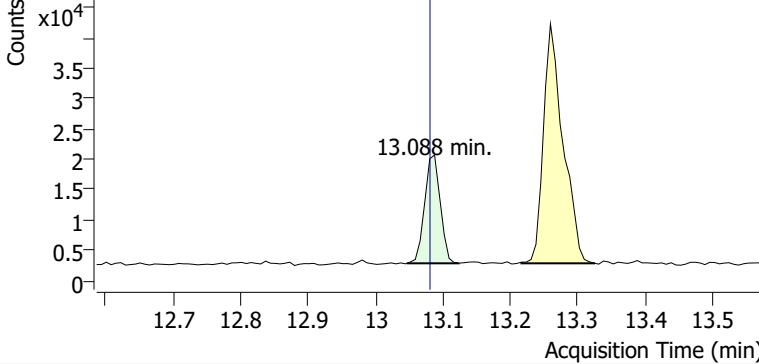


+ Scan (10.846-10.972 min, 18 scans) M2505635.d

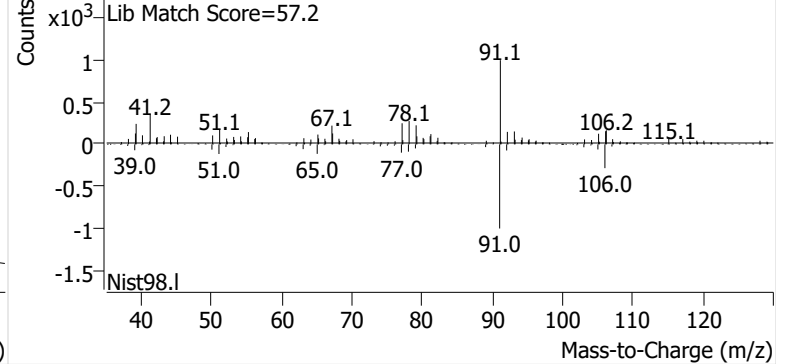


**Ethylbenzene**

+ EIC (91.1) Scan M2505635.d

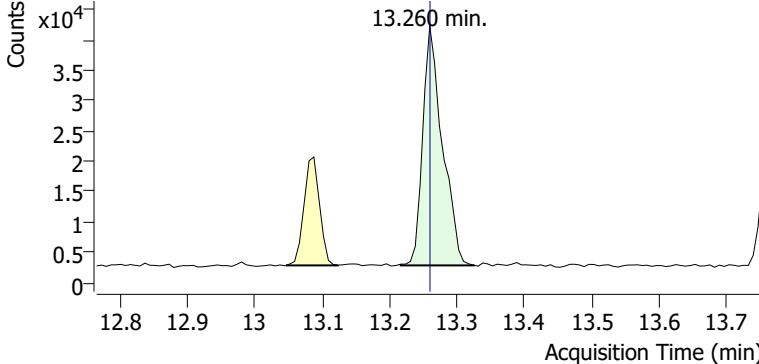


+ Scan (13.047-13.123 min, 11 scans) M2505635.d

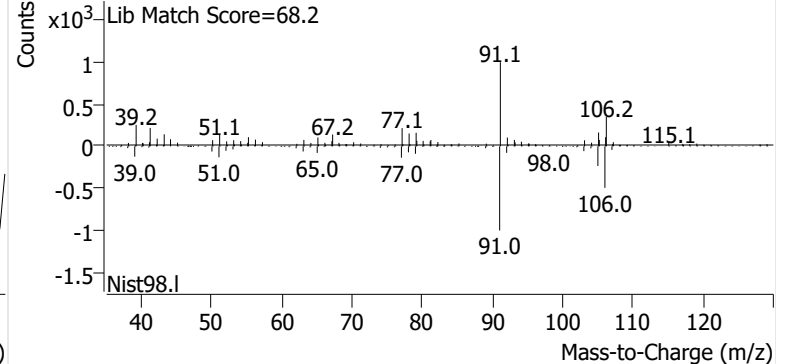


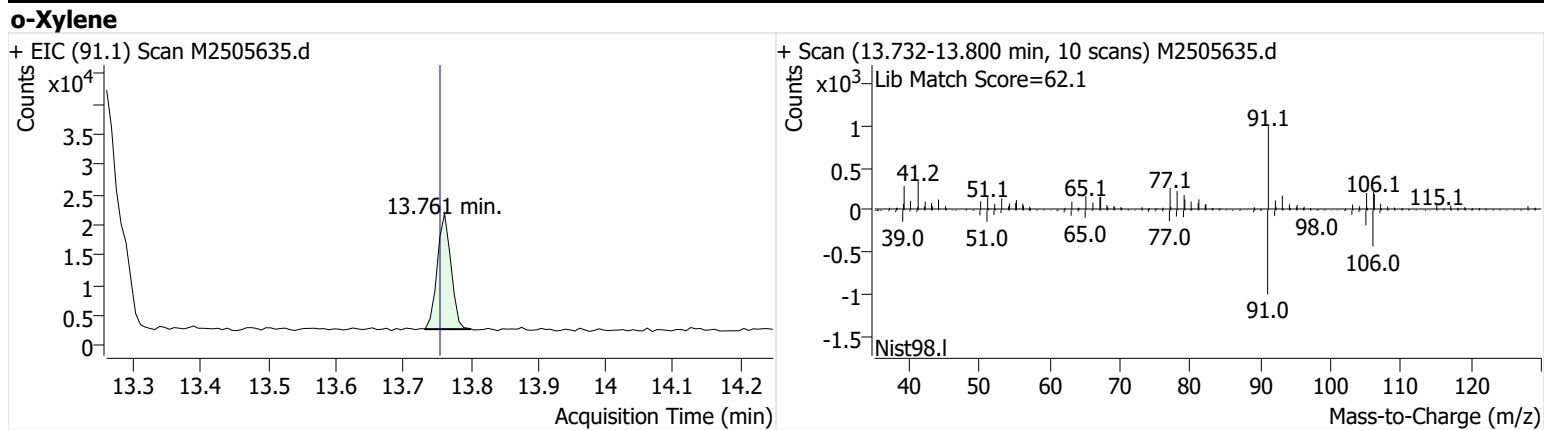
**m-/p-Xylenes**

+ EIC (91.1) Scan M2505635.d



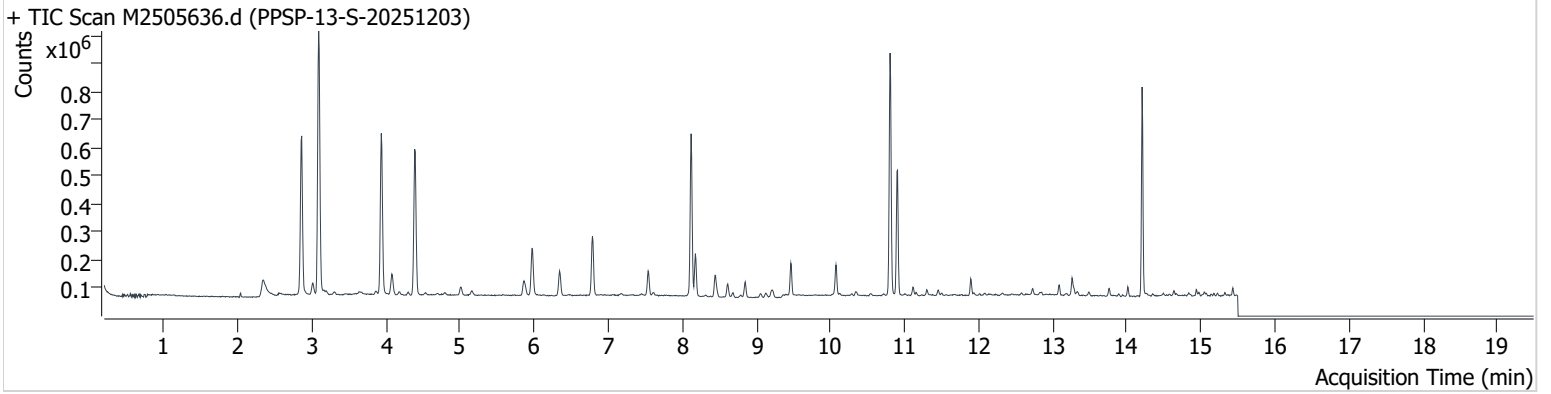
+ Scan (13.217-13.326 min, 16 scans) M2505635.d





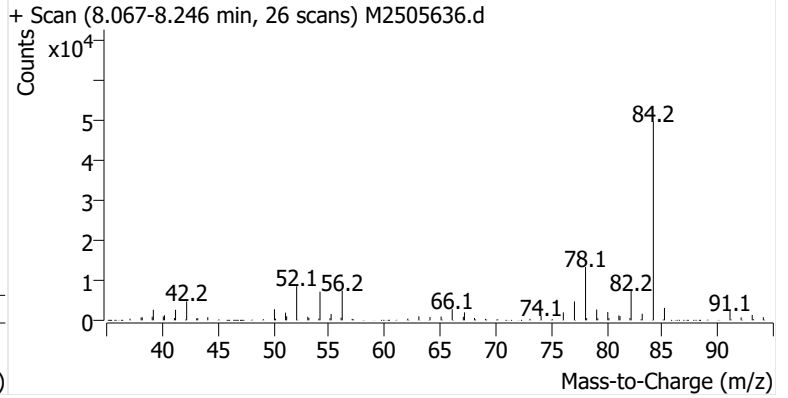
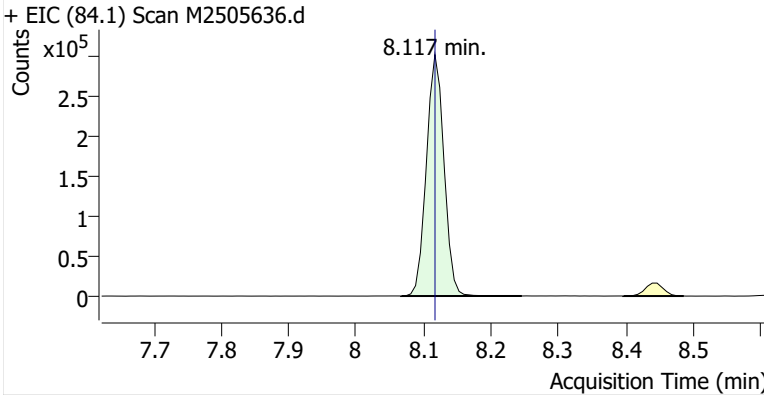
**Name** PPSP-13-S-20251203  
**Comment** C39233  
**Data File** M2505636.d  
**Acq. Date-Time** 12/18/2025 11:57:06 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

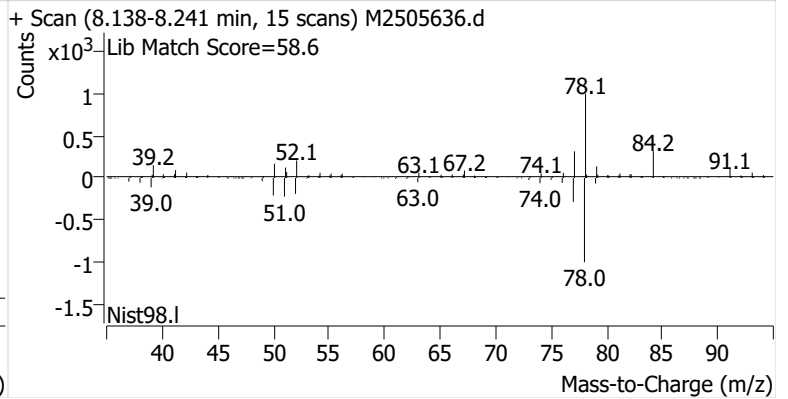
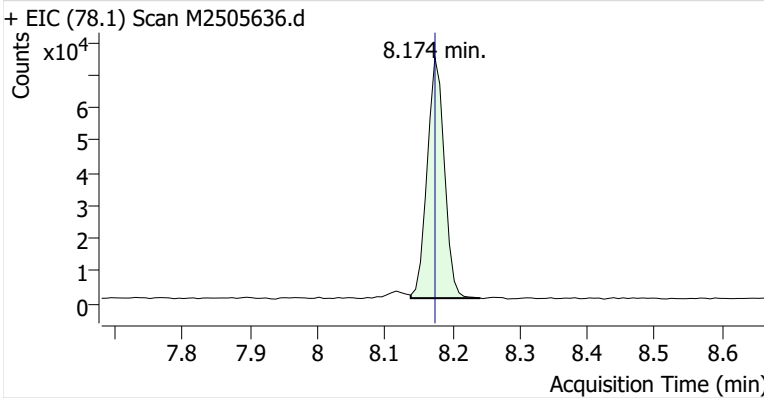


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.117	8.117	549,286	
Benzene	Benzene-d6 (IS)	8.174	8.174	130,695	
Toluene-d8 (IS)		10.803	10.803	584,602	
Toluene	Toluene-d8 (IS)	10.903	10.896	320,141	
Ethylbenzene	Toluene-d8 (IS)	13.081	13.081	24,006	
m-/p-Xylenes	Toluene-d8 (IS)	13.260	13.260	43,077	
o-Xylene	Toluene-d8 (IS)	13.761	13.754	15,643	

**Benzene-d6 (IS)**

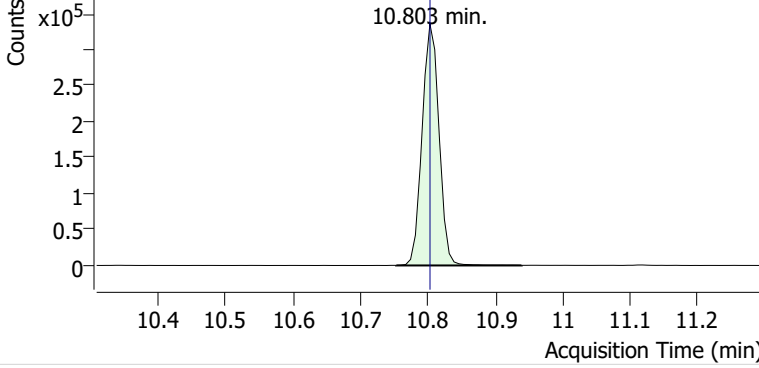


**Benzene**

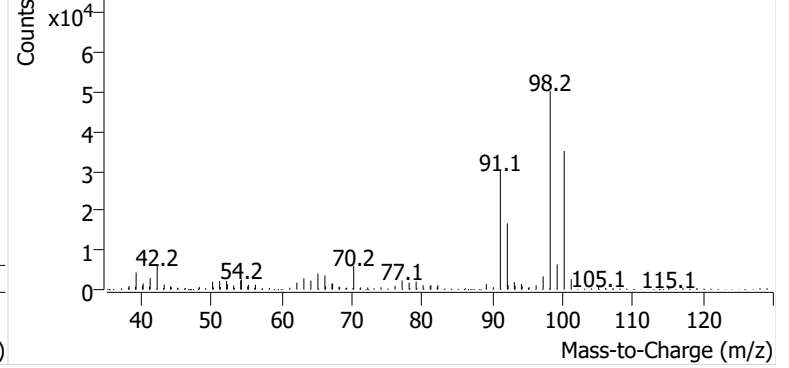


**Toluene-d8 (IS)**

+ EIC (98.1) Scan M2505636.d

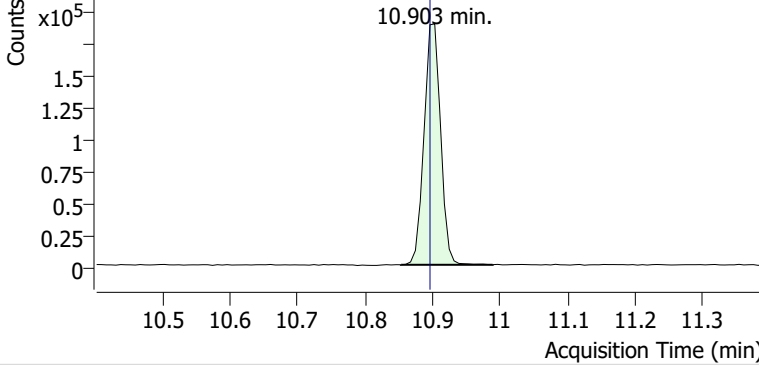


+ Scan (10.753-10.939 min, 27 scans) M2505636.d

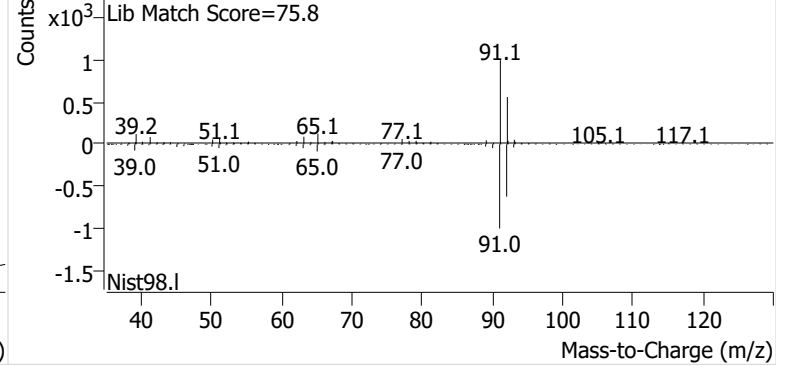


**Toluene**

+ EIC (91.1) Scan M2505636.d

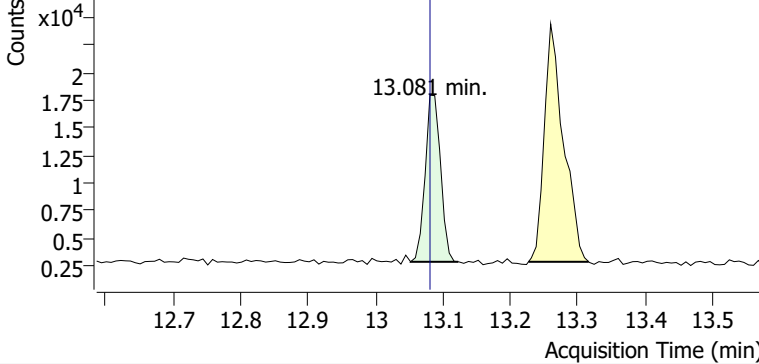


+ Scan (10.853-10.989 min, 20 scans) M2505636.d

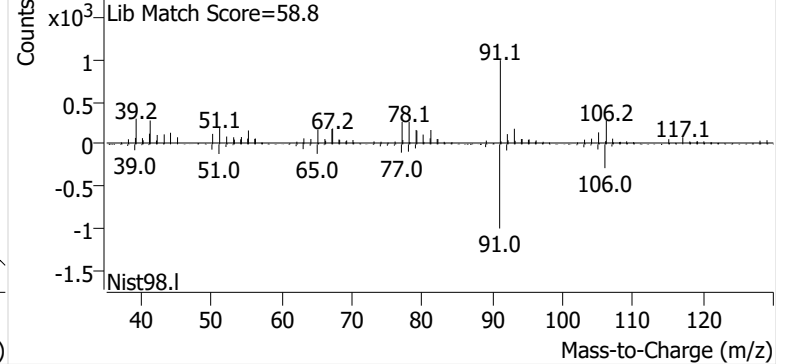


**Ethylbenzene**

+ EIC (91.1) Scan M2505636.d

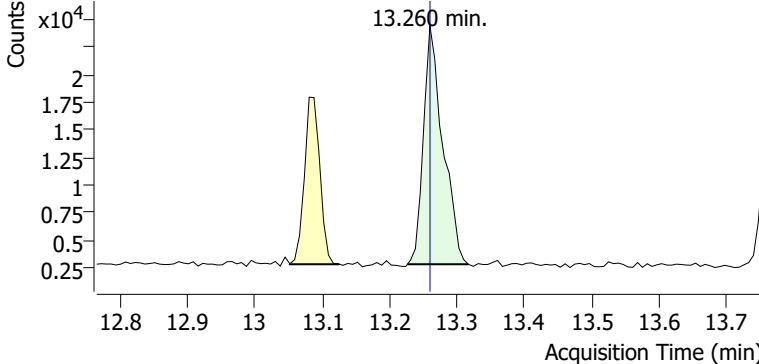


+ Scan (13.052-13.123 min, 10 scans) M2505636.d

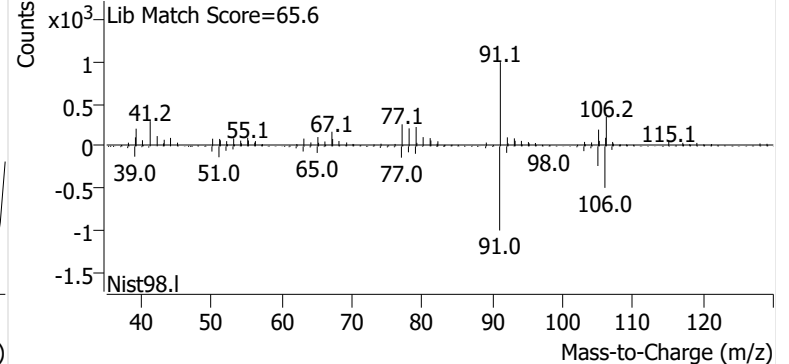


**m-/p-Xylenes**

+ EIC (91.1) Scan M2505636.d

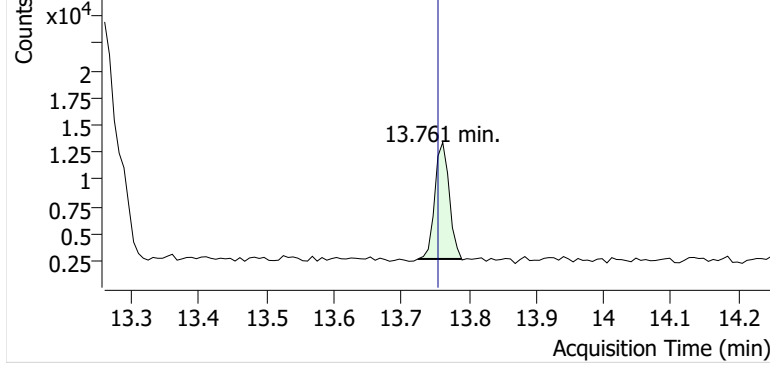


+ Scan (13.226-13.317 min, 12 scans) M2505636.d

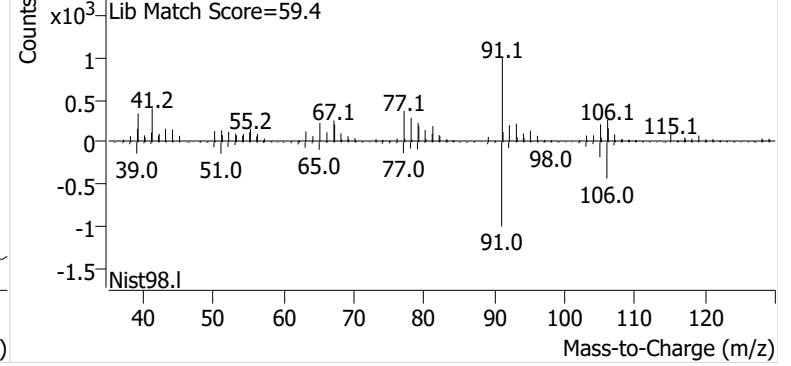


**o-Xylene**

+ EIC (91.1) Scan M2505636.d

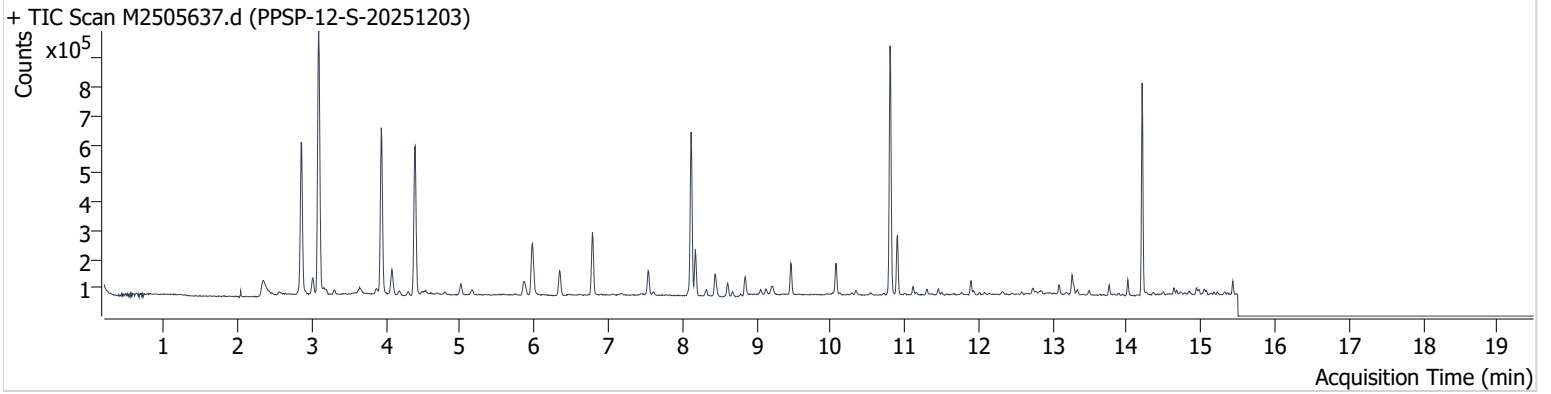


+ Scan (13.725-13.789 min, 9 scans) M2505636.d



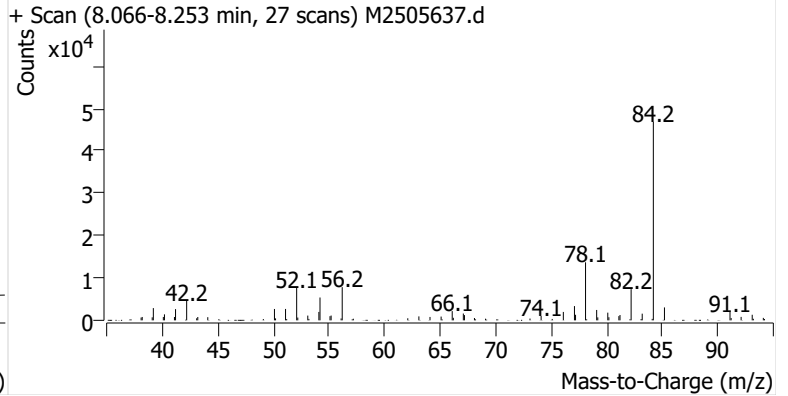
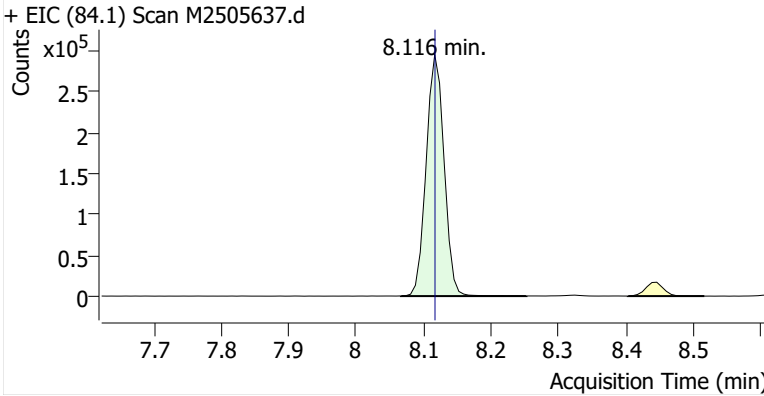
**Name** PPSP-12-S-20251203  
**Comment** C43645  
**Data File** M2505637.d  
**Acq. Date-Time** 12/19/2025 12:22:24 AM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

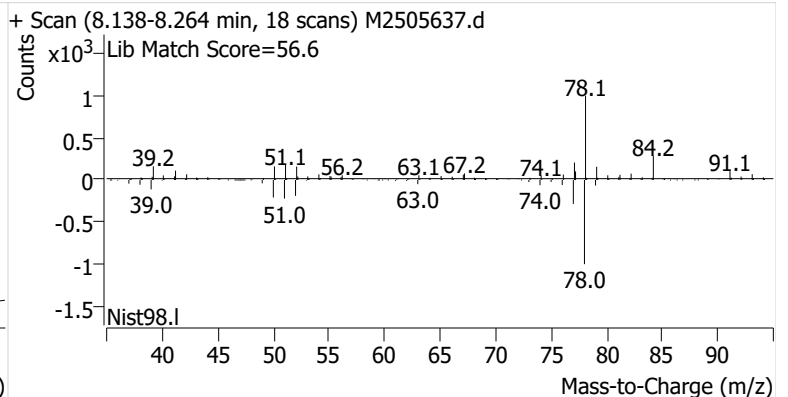
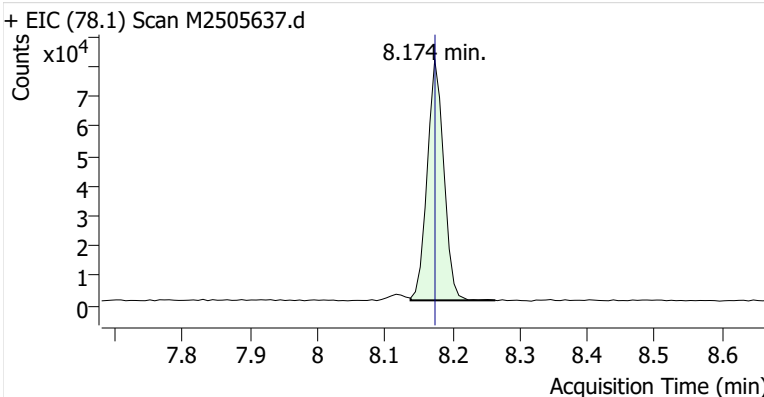


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.116	8.117	544,920	
Benzene	Benzene-d6 (IS)	8.174	8.174	138,153	
Toluene-d8 (IS)		10.803	10.803	577,613	
Toluene	Toluene-d8 (IS)	10.903	10.896	144,395	
Ethylbenzene	Toluene-d8 (IS)	13.088	13.081	21,997	
m-/p-Xylenes	Toluene-d8 (IS)	13.260	13.260	50,289	
o-Xylene	Toluene-d8 (IS)	13.761	13.754	17,777	

**Benzene-d6 (IS)**

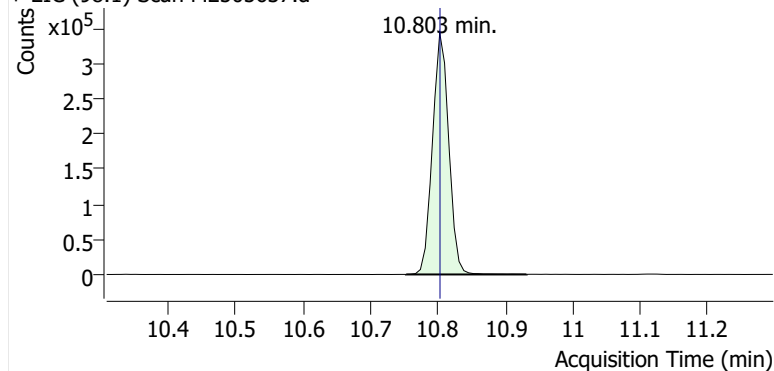


**Benzene**

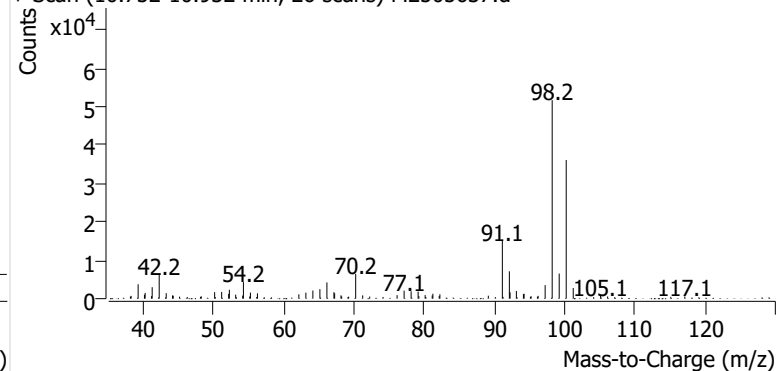


**Toluene-d8 (IS)**

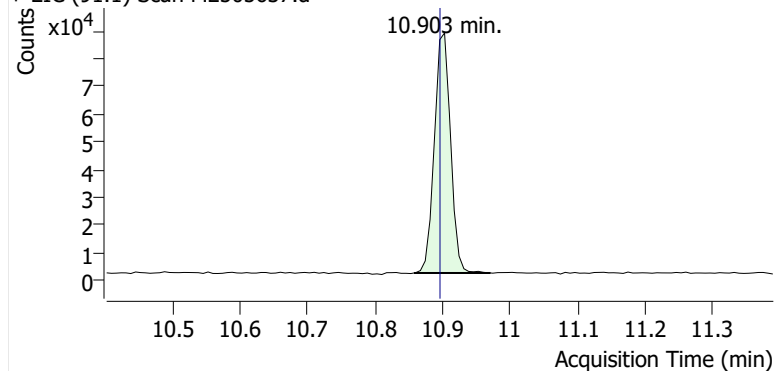
+ EIC (98.1) Scan M2505637.d



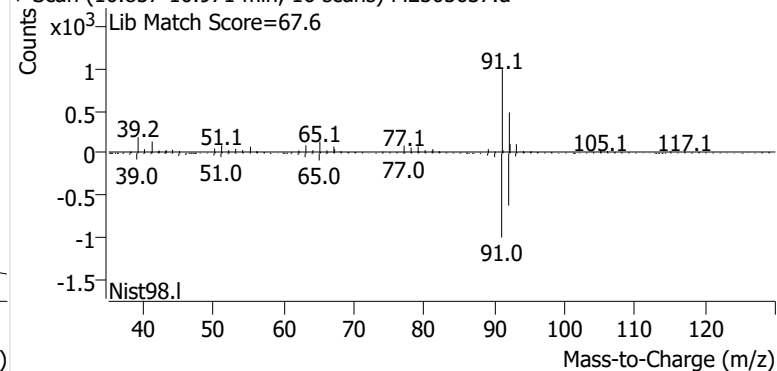
+ Scan (10.752-10.932 min, 26 scans) M2505637.d

**Toluene**

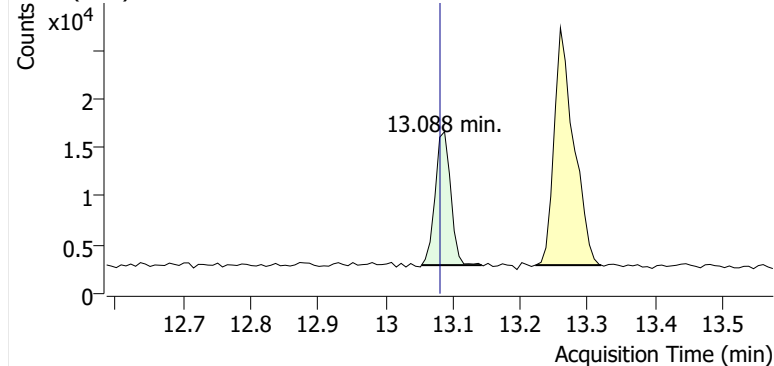
+ EIC (91.1) Scan M2505637.d



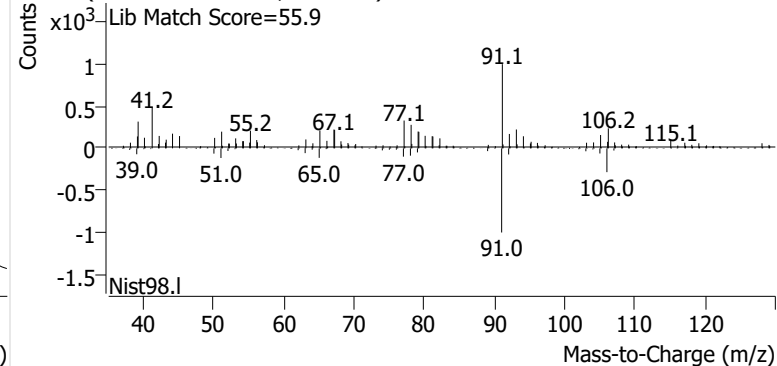
+ Scan (10.857-10.971 min, 16 scans) M2505637.d

**Ethylbenzene**

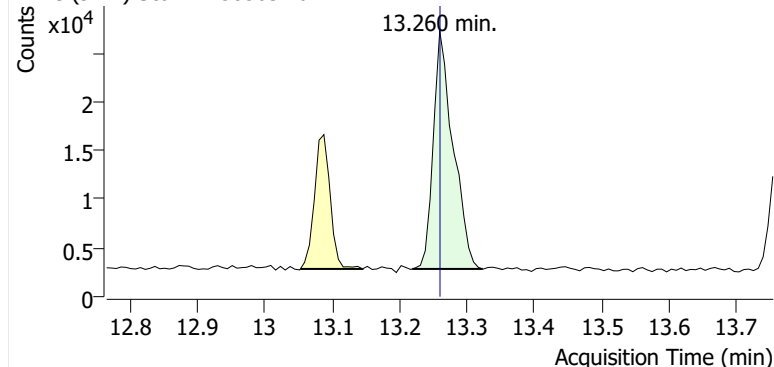
+ EIC (91.1) Scan M2505637.d



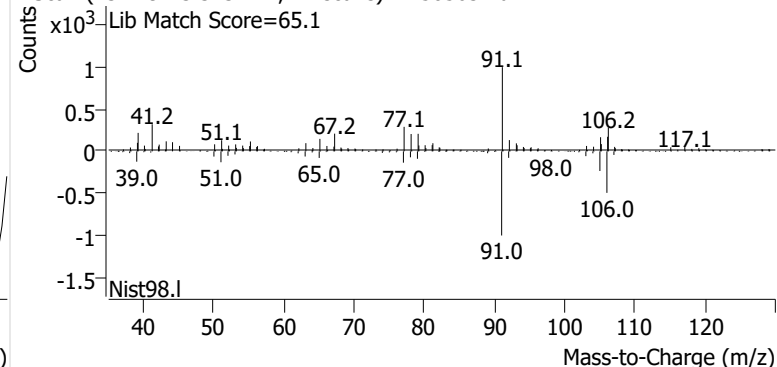
+ Scan (13.053-13.143 min, 12 scans) M2505637.d

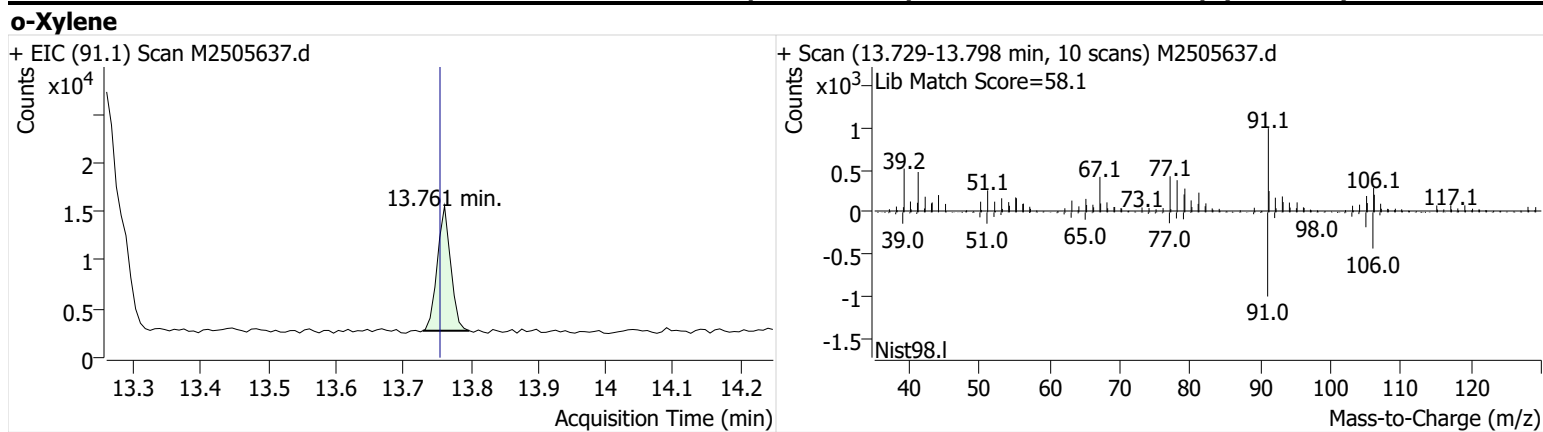
**m-/p-Xylenes**

+ EIC (91.1) Scan M2505637.d



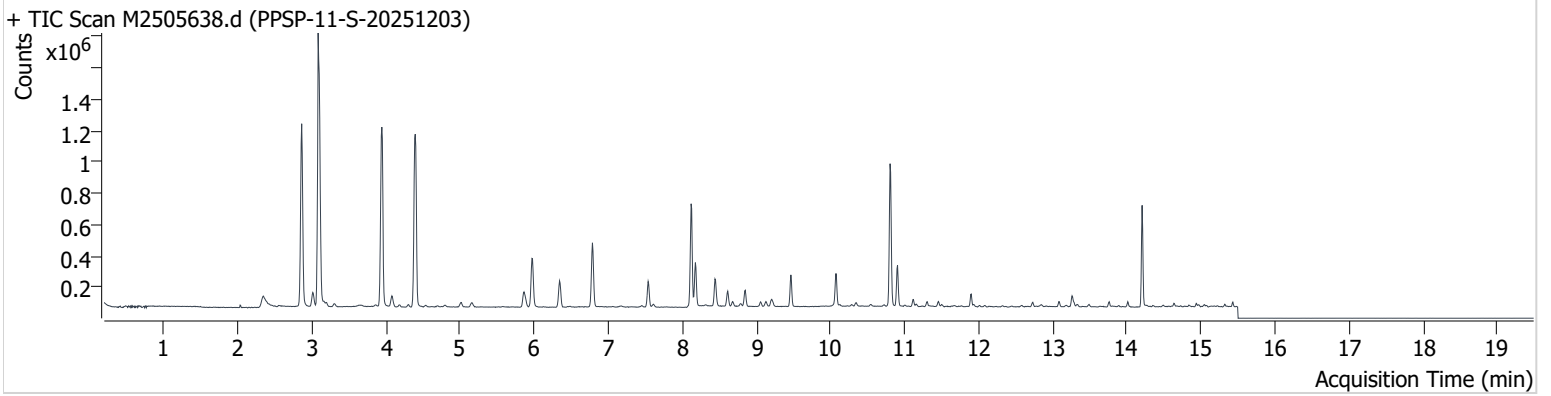
+ Scan (13.219-13.323 min, 14 scans) M2505637.d





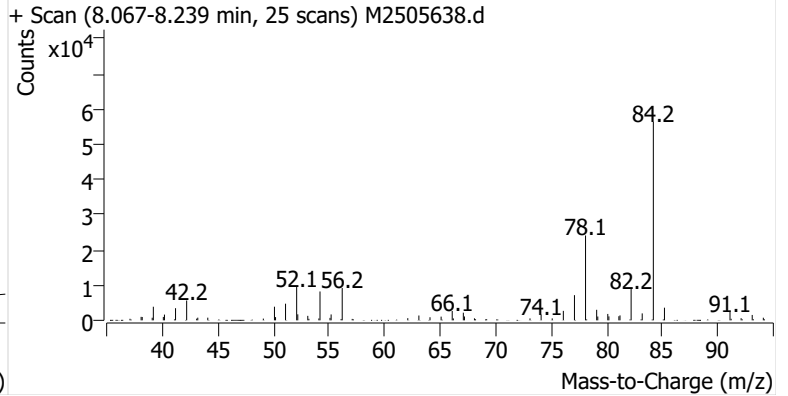
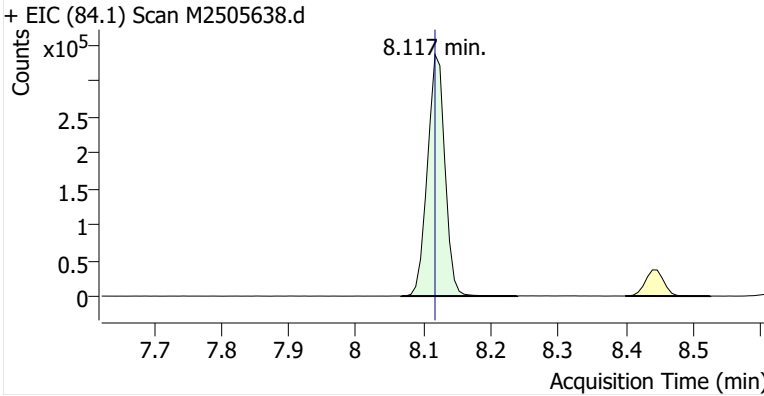
**Name** PPSP-11-S-20251203  
**Comment** C40666  
**Data File** M2505638.d  
**Acq. Date-Time** 12/19/2025 12:47:44 AM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carboxpack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

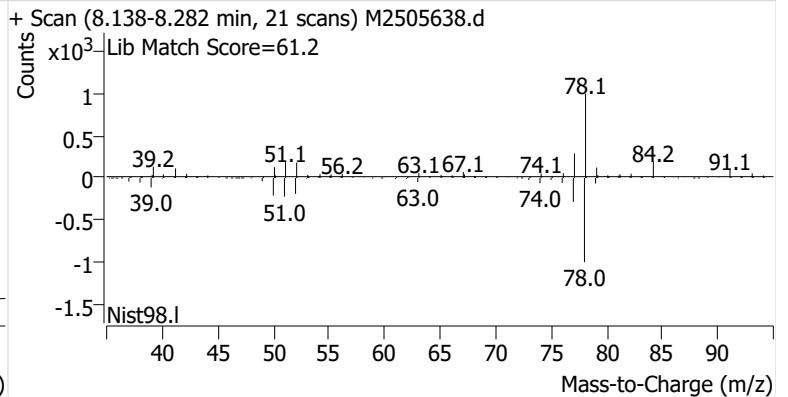
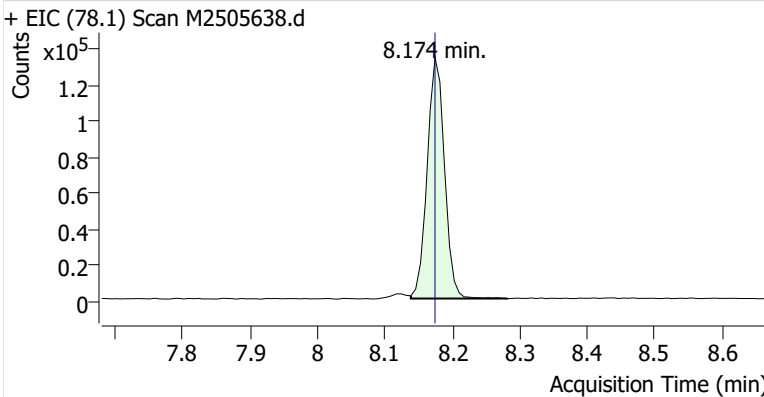


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.117	8.117	605,195	
Benzene	Benzene-d6 (IS)	8.174	8.174	238,350	
Toluene-d8 (IS)		10.803	10.803	620,341	
Toluene	Toluene-d8 (IS)	10.903	10.896	180,659	
Ethylbenzene	Toluene-d8 (IS)	13.081	13.081	21,408	
m-/p-Xylenes	Toluene-d8 (IS)	13.260	13.260	51,883	
o-Xylene	Toluene-d8 (IS)	13.761	13.754	17,814	

**Benzene-d6 (IS)**

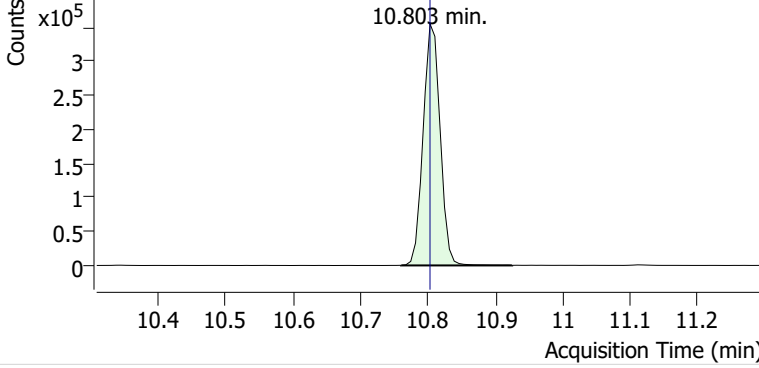


**Benzene**

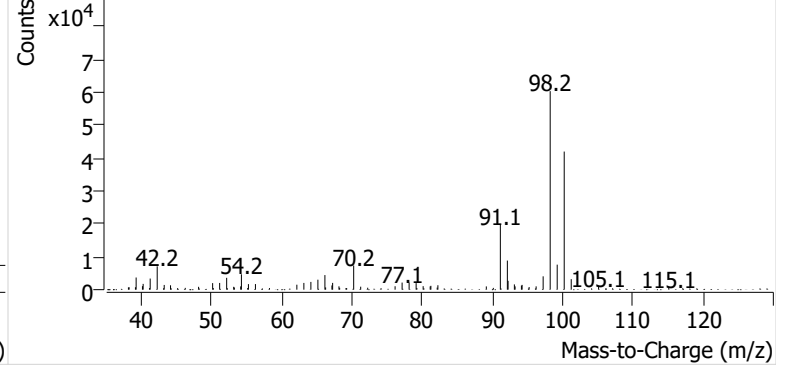


**Toluene-d8 (IS)**

+ EIC (98.1) Scan M2505638.d

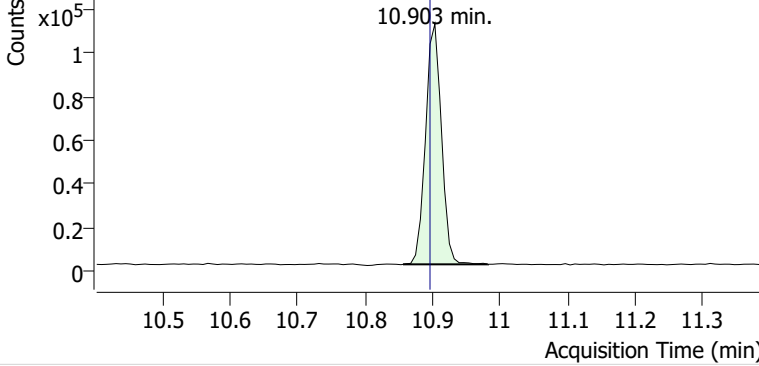


+ Scan (10.760-10.925 min, 24 scans) M2505638.d

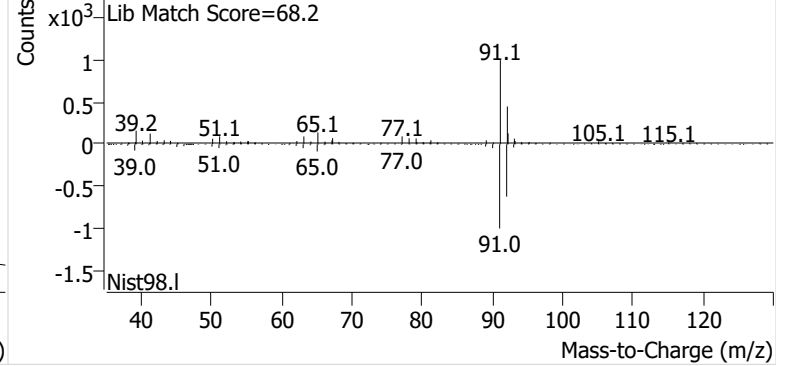


**Toluene**

+ EIC (91.1) Scan M2505638.d

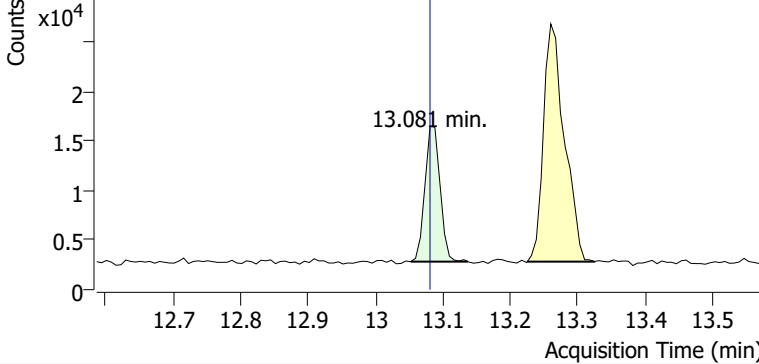


+ Scan (10.856-10.982 min, 18 scans) M2505638.d

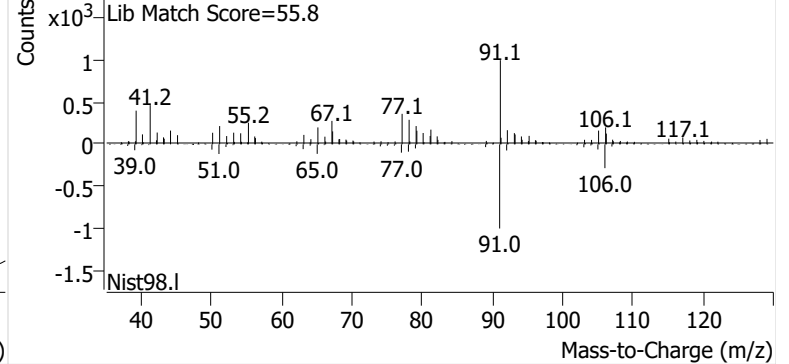


**Ethylbenzene**

+ EIC (91.1) Scan M2505638.d

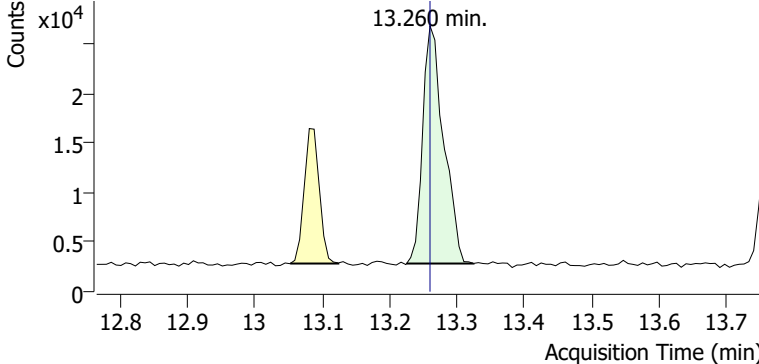


+ Scan (13.052-13.137 min, 11 scans) M2505638.d

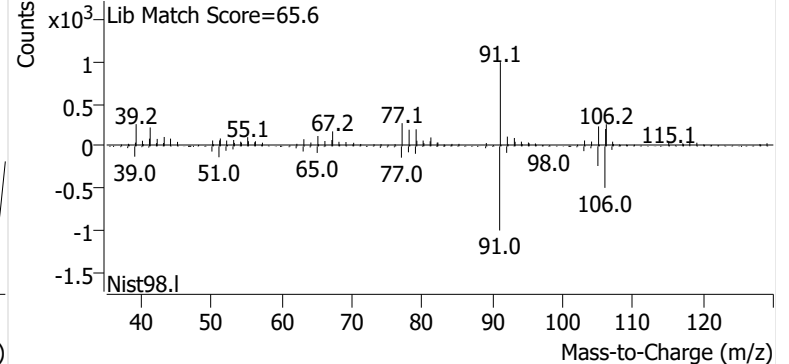


**m-/p-Xylenes**

+ EIC (91.1) Scan M2505638.d

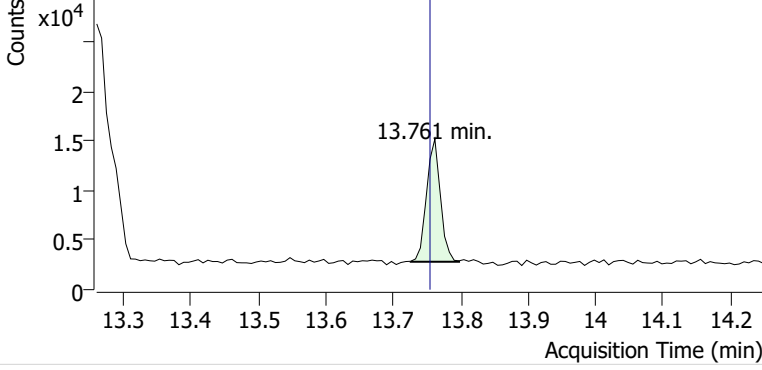


+ Scan (13.225-13.324 min, 14 scans) M2505638.d

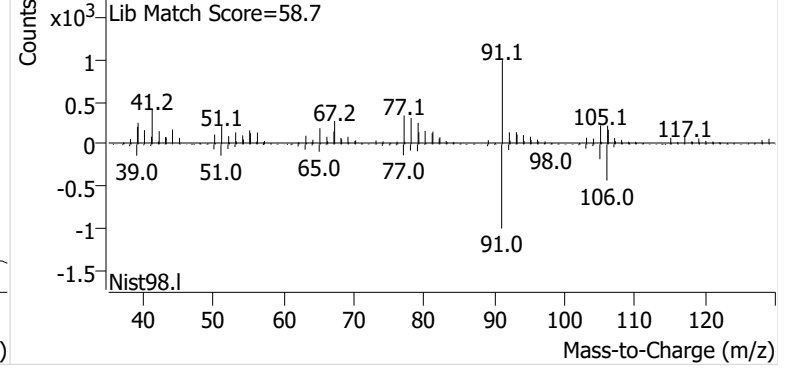


**o-Xylene**

+ EIC (91.1) Scan M2505638.d

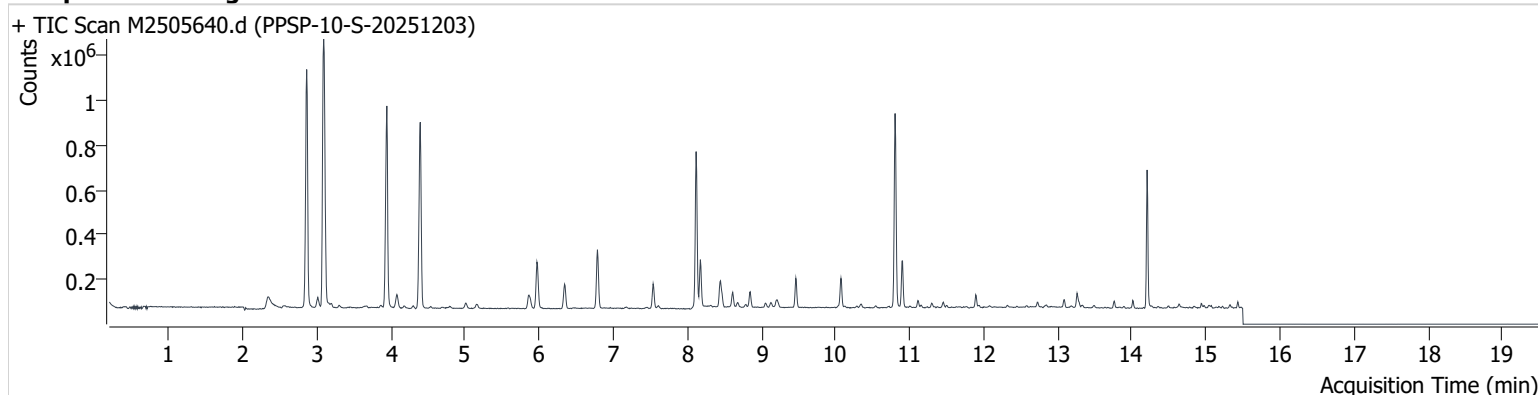


+ Scan (13.726-13.797 min, 11 scans) M2505638.d



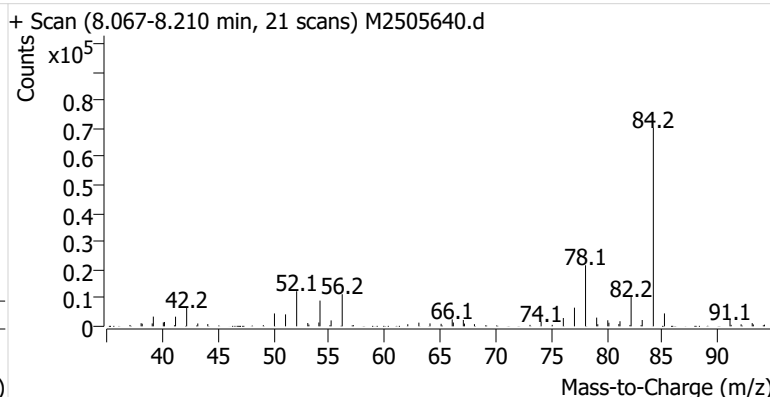
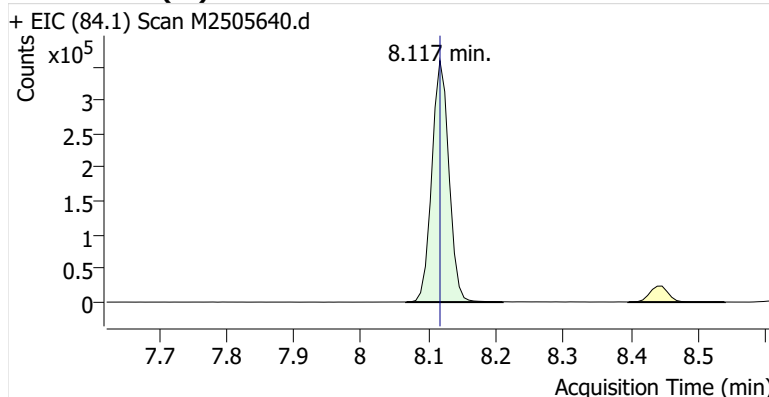
**Name** PPSP-10-S-20251203  
**Comment** C01540  
**Data File** M2505640.d  
**Acq. Date-Time** 12/19/2025 1:37:02 AM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carboxpack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

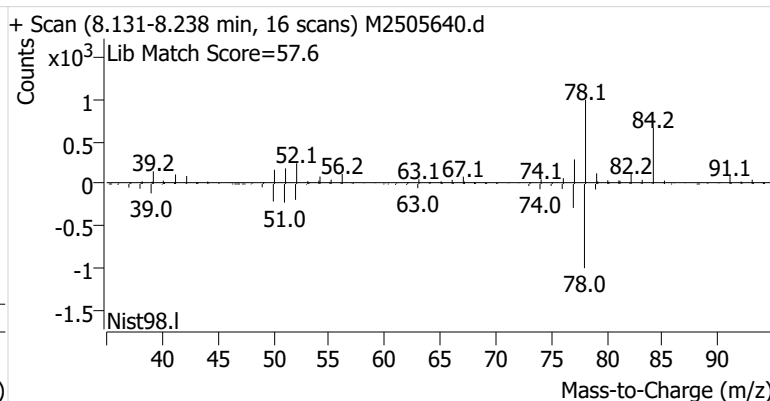
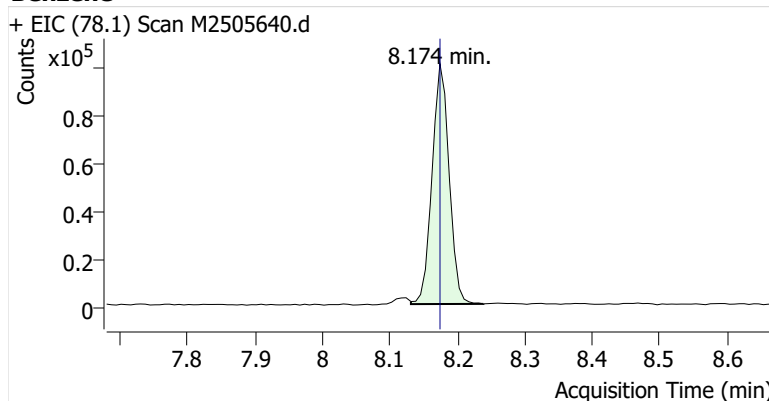


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.117	8.117	631,737	
Benzene	Benzene-d6 (IS)	8.174	8.174	175,230	
Toluene-d8 (IS)		10.803	10.803	589,713	
Toluene	Toluene-d8 (IS)	10.903	10.896	145,308	
Ethylbenzene	Toluene-d8 (IS)	13.088	13.081	23,866	
m-/p-Xylenes	Toluene-d8 (IS)	13.260	13.260	45,290	
o-Xylene	Toluene-d8 (IS)	13.761	13.754	16,926	

**Benzene-d6 (IS)**

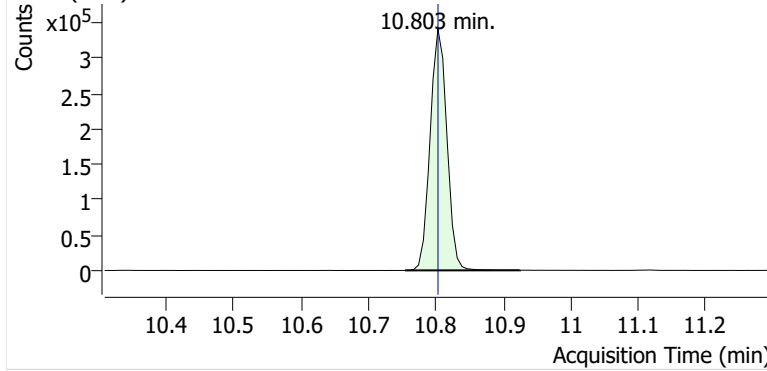


**Benzene**

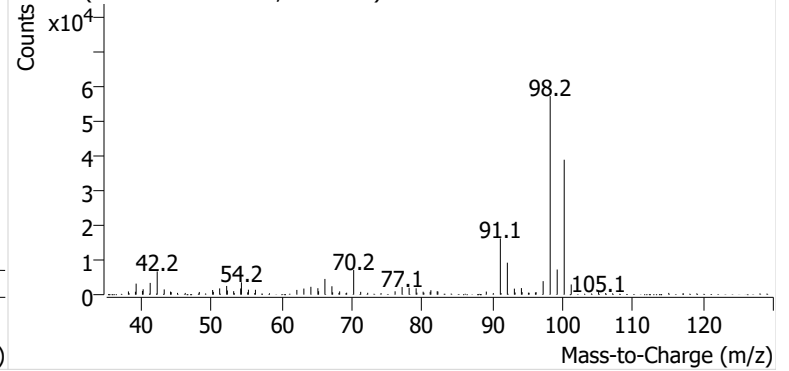


**Toluene-d8 (IS)**

+ EIC (98.1) Scan M2505640.d

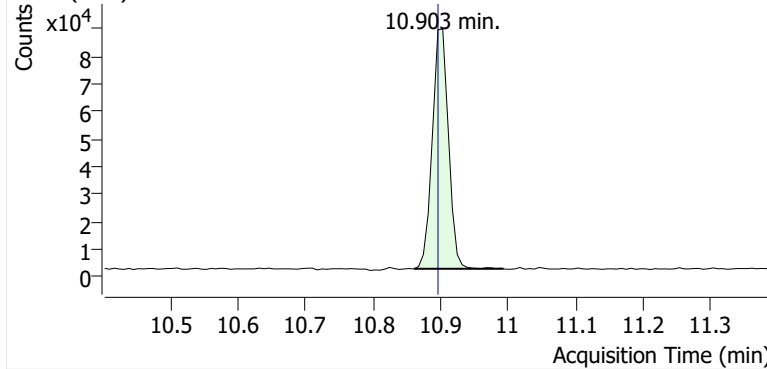


+ Scan (10.754-10.925 min, 24 scans) M2505640.d

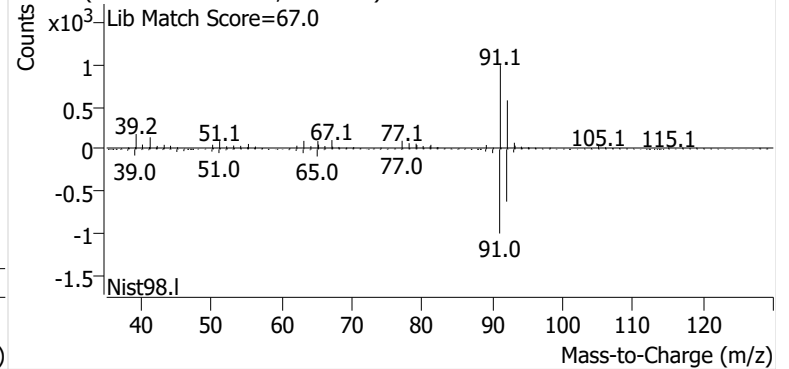


**Toluene**

+ EIC (91.1) Scan M2505640.d

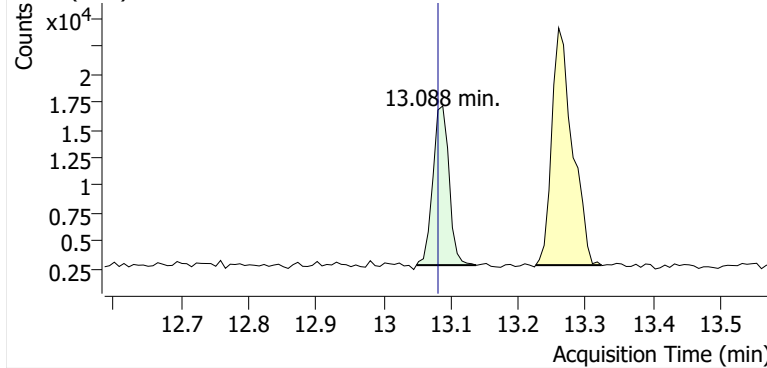


+ Scan (10.861-10.993 min, 18 scans) M2505640.d

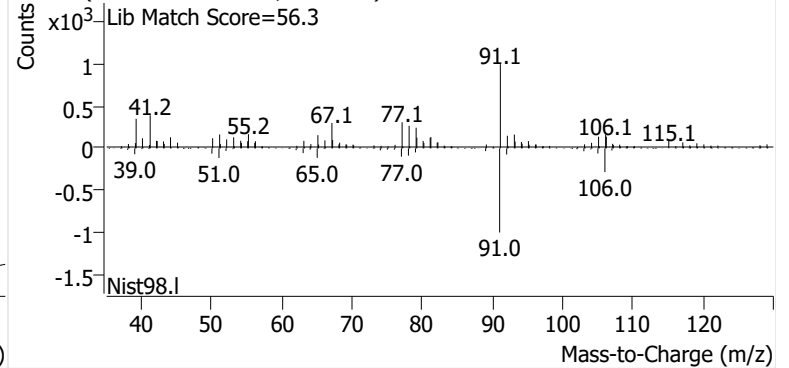


**Ethylbenzene**

+ EIC (91.1) Scan M2505640.d

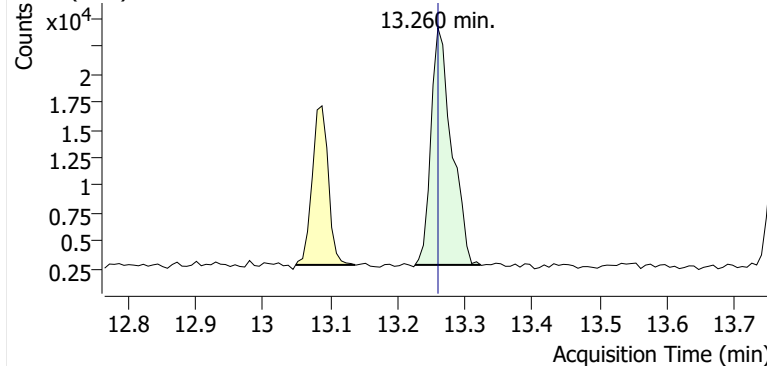


+ Scan (13.049-13.137 min, 12 scans) M2505640.d

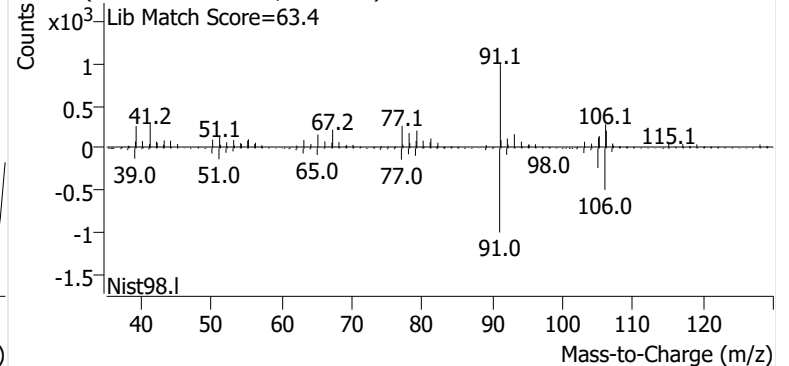


**m-/p-Xylenes**

+ EIC (91.1) Scan M2505640.d

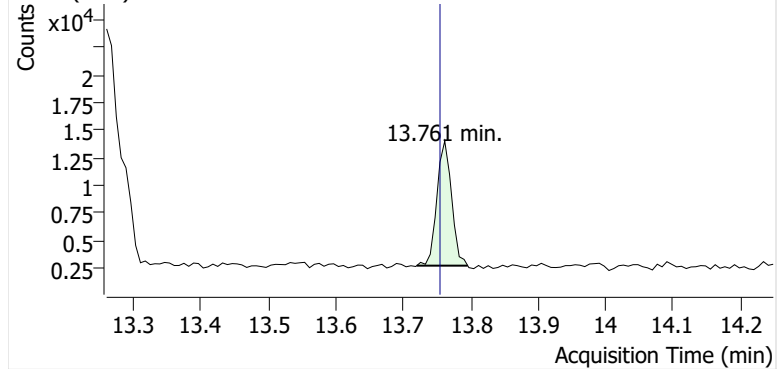


+ Scan (13.226-13.323 min, 13 scans) M2505640.d

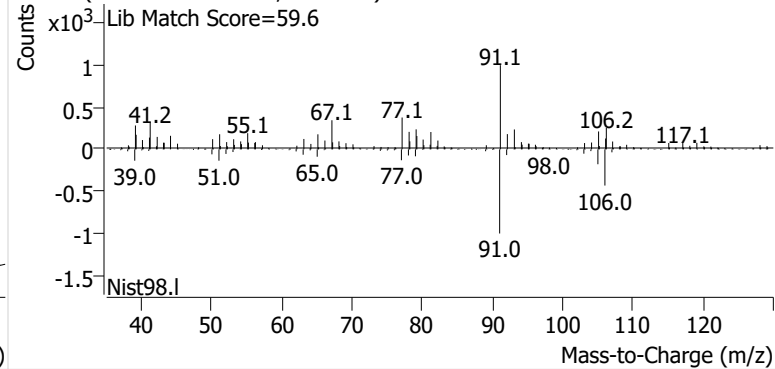


**o-Xylene**

+ EIC (91.1) Scan M2505640.d

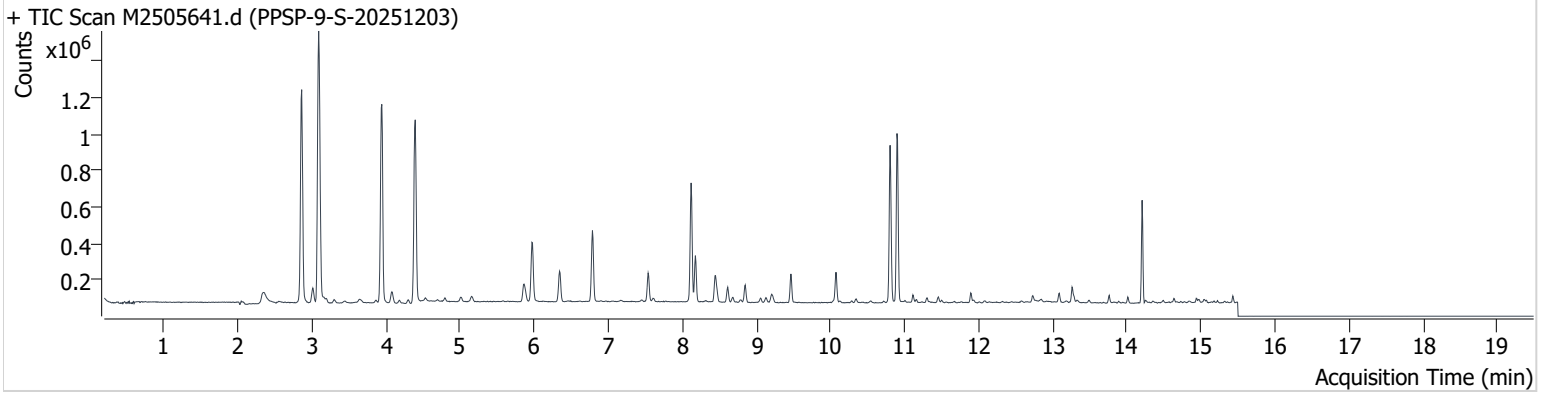


+ Scan (13.720-13.795 min, 10 scans) M2505640.d



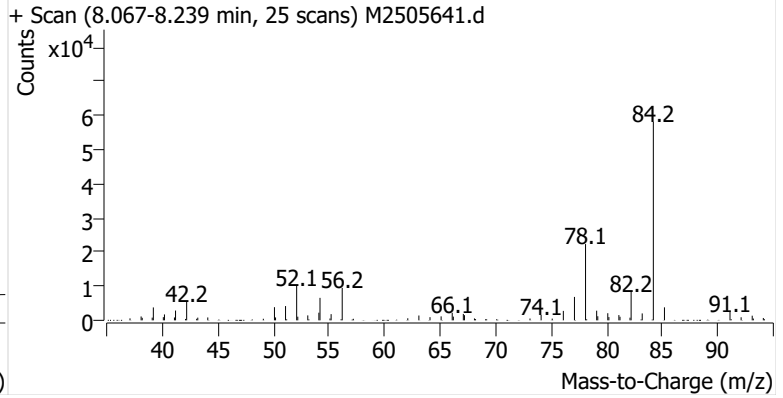
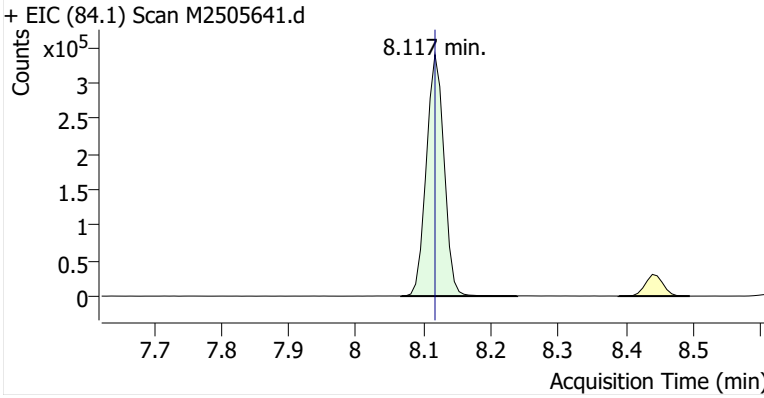
**Name** PPSP-9-S-20251203  
**Comment** C53546  
**Data File** M2505641.d  
**Acq. Date-Time** 12/19/2025 2:02:19 AM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carboxpack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

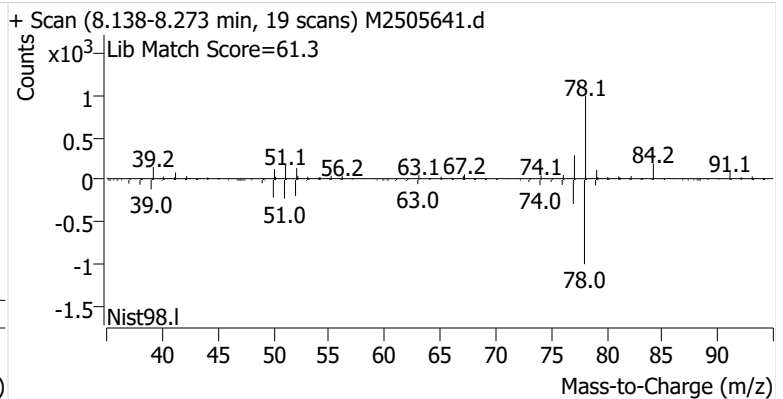
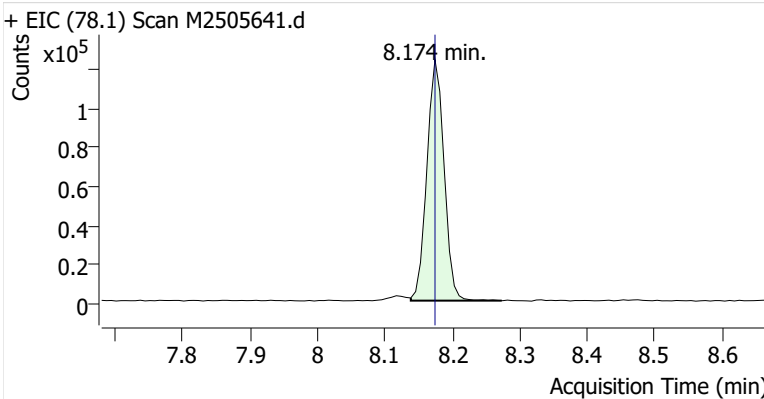


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.117	8.117	623,556	
Benzene	Benzene-d6 (IS)	8.174	8.174	217,931	
Toluene-d8 (IS)		10.803	10.803	579,701	
Toluene	Toluene-d8 (IS)	10.896	10.896	707,781	
Ethylbenzene	Toluene-d8 (IS)	13.088	13.081	33,999	
m-/p-Xylenes	Toluene-d8 (IS)	13.260	13.260	60,286	
o-Xylene	Toluene-d8 (IS)	13.761	13.754	21,708	

**Benzene-d6 (IS)**

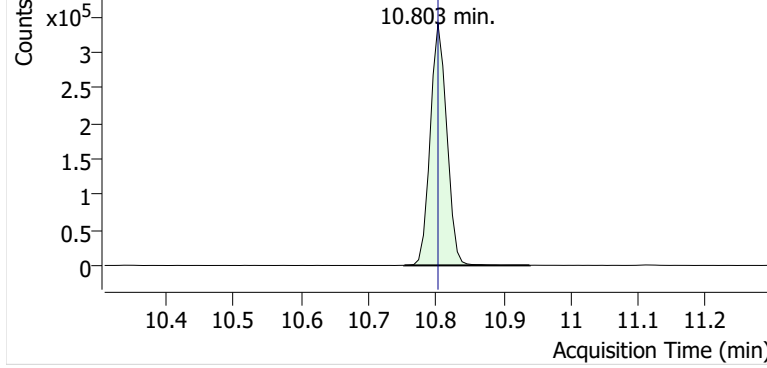


**Benzene**

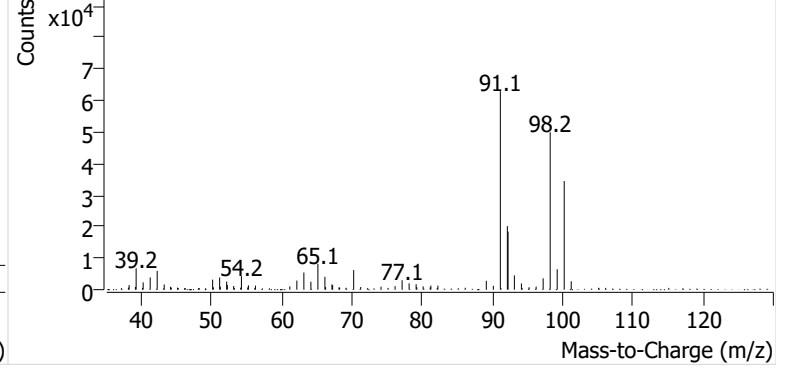


**Toluene-d8 (IS)**

+ EIC (98.1) Scan M2505641.d

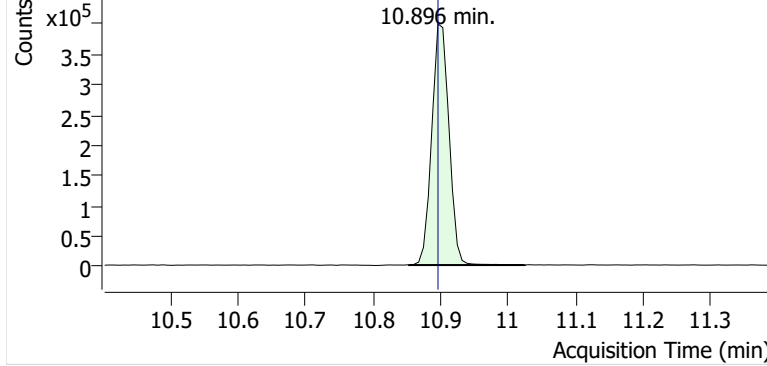


+ Scan (10.753-10.939 min, 27 scans) M2505641.d

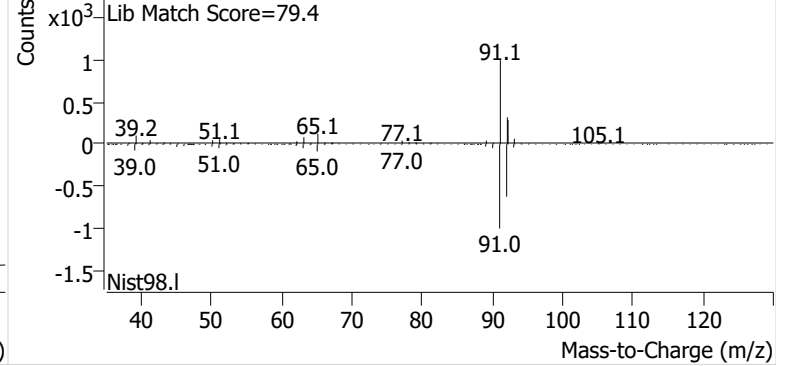


**Toluene**

+ EIC (91.1) Scan M2505641.d

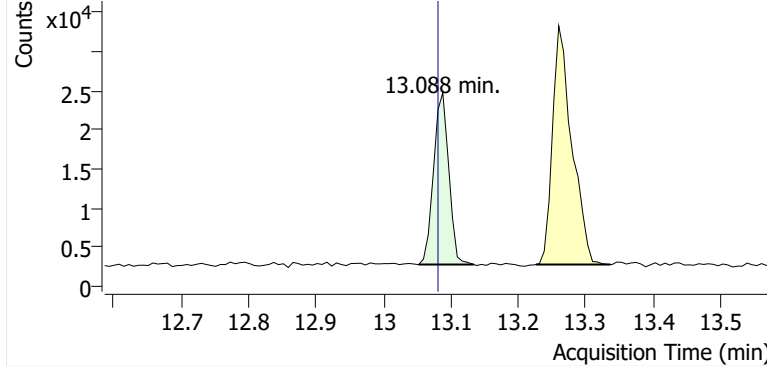


+ Scan (10.853-11.025 min, 25 scans) M2505641.d

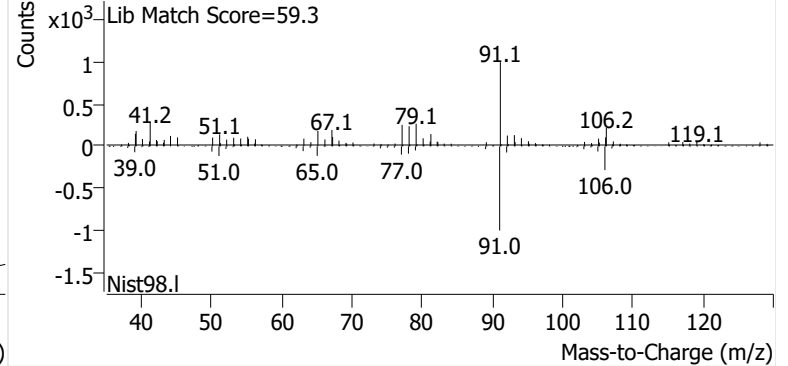


**Ethylbenzene**

+ EIC (91.1) Scan M2505641.d

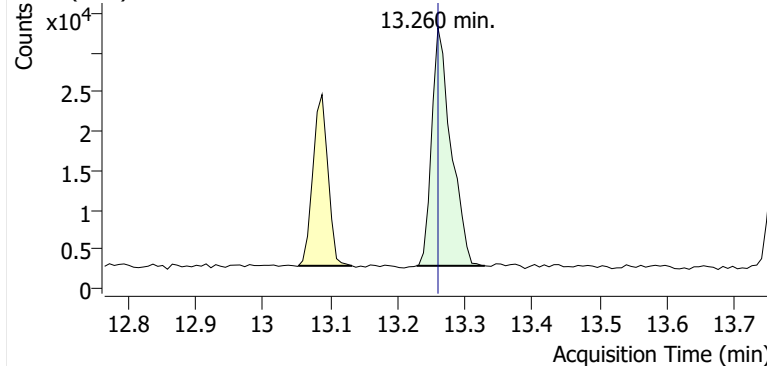


+ Scan (13.052-13.134 min, 11 scans) M2505641.d

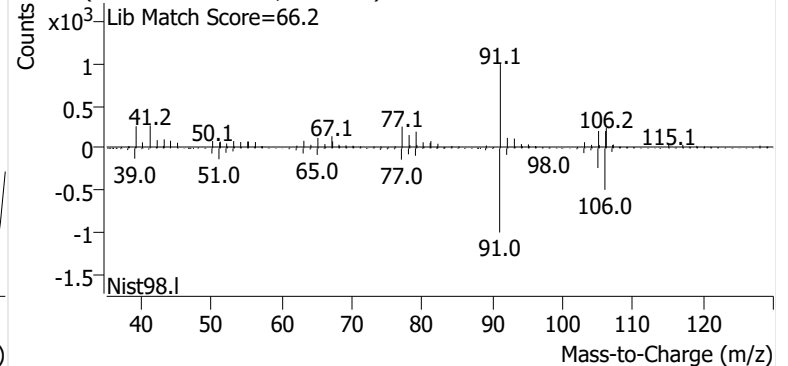


**m-/p-Xylenes**

+ EIC (91.1) Scan M2505641.d

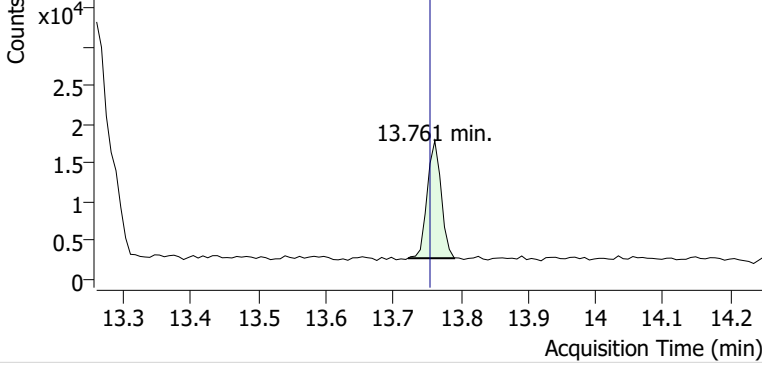


+ Scan (13.228-13.329 min, 14 scans) M2505641.d

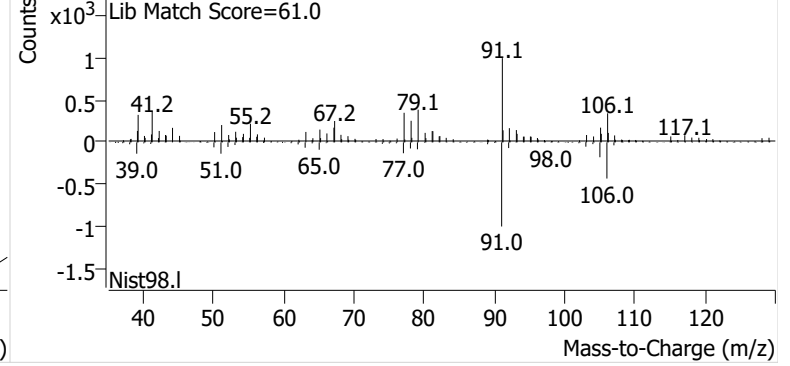


**o-Xylene**

+ EIC (91.1) Scan M2505641.d

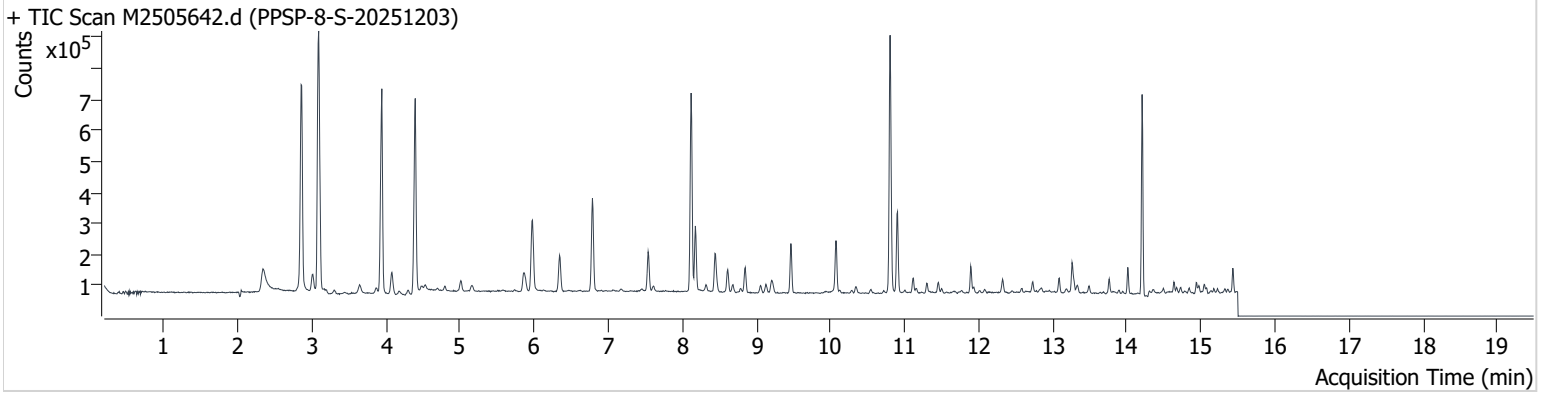


+ Scan (13.722-13.790 min, 10 scans) M2505641.d



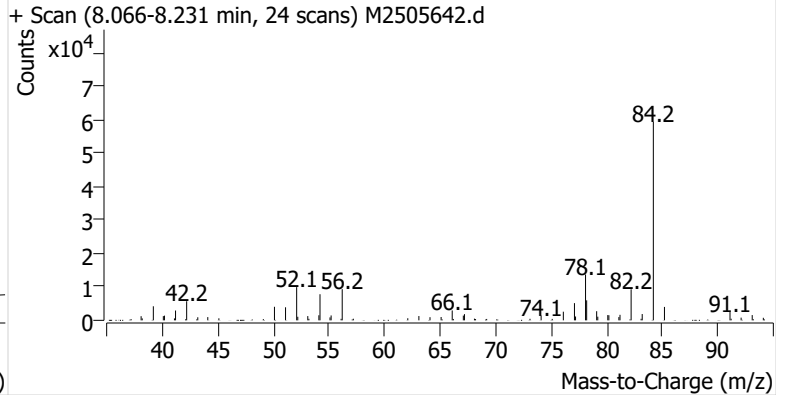
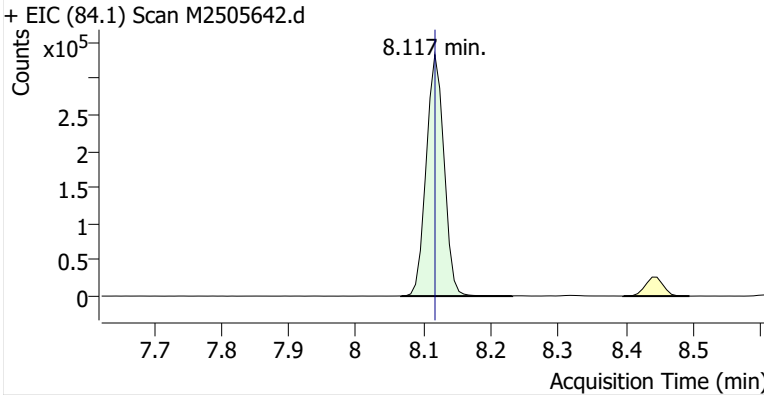
**Name** PPSP-8-S-20251203  
**Comment** C43676  
**Data File** M2505642.d  
**Acq. Date-Time** 12/19/2025 2:27:42 AM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

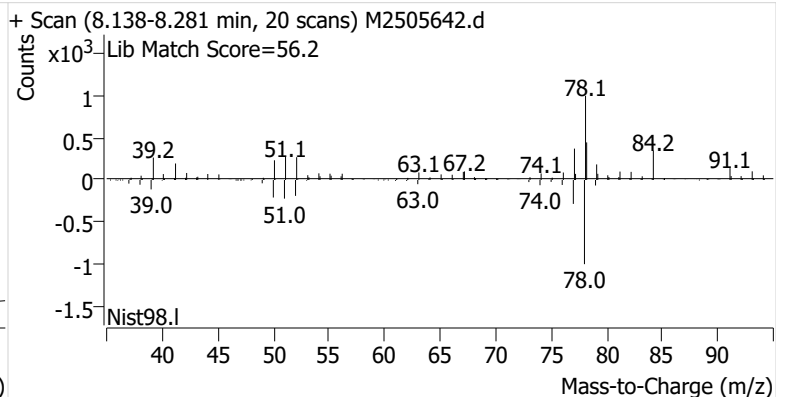
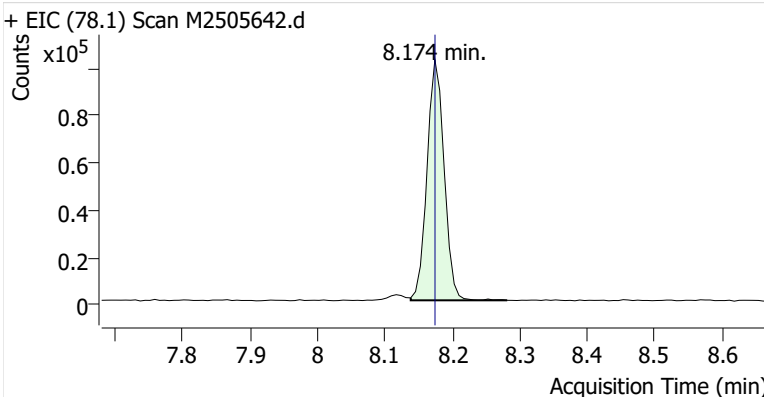


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.117	8.117	611,932	
Benzene	Benzene-d6 (IS)	8.174	8.174	179,156	
Toluene-d8 (IS)		10.803	10.803	565,274	
Toluene	Toluene-d8 (IS)	10.903	10.896	182,985	
Ethylbenzene	Toluene-d8 (IS)	13.088	13.081	31,275	
m-/p-Xylenes	Toluene-d8 (IS)	13.260	13.260	72,057	
o-Xylene	Toluene-d8 (IS)	13.761	13.754	25,777	

**Benzene-d6 (IS)**

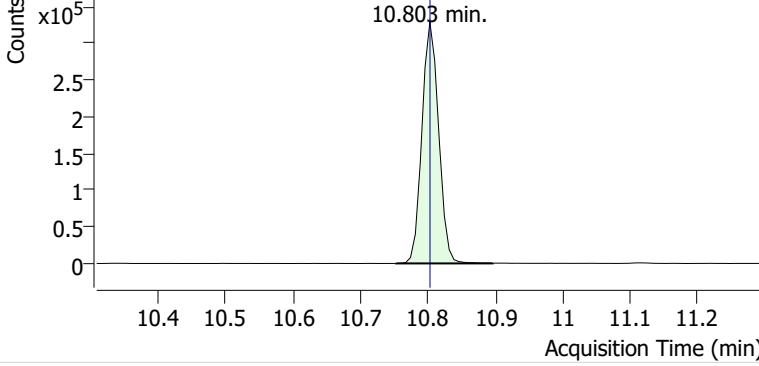


**Benzene**

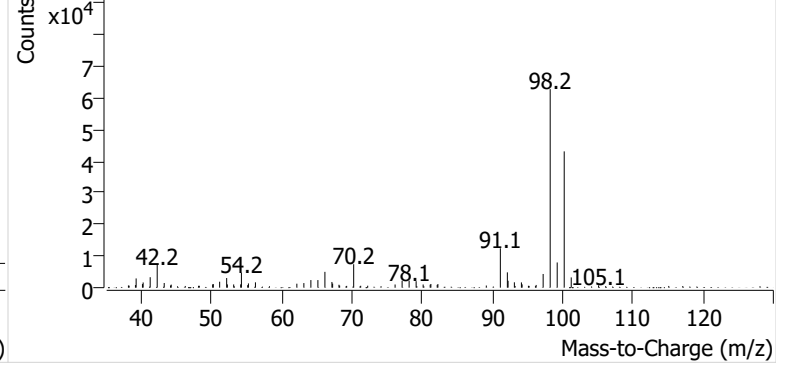


**Toluene-d8 (IS)**

+ EIC (98.1) Scan M2505642.d

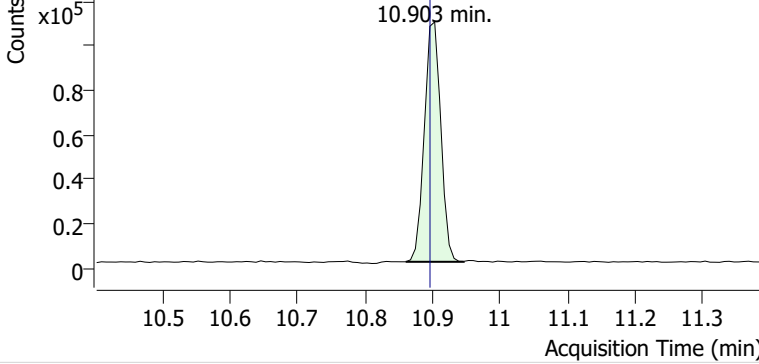


+ Scan (10.753-10.896 min, 21 scans) M2505642.d

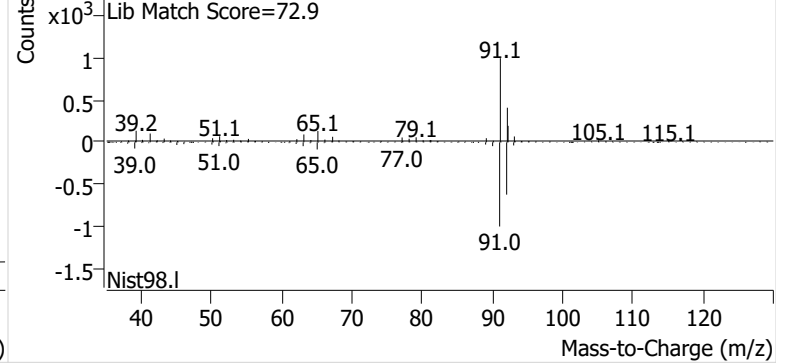


**Toluene**

+ EIC (91.1) Scan M2505642.d

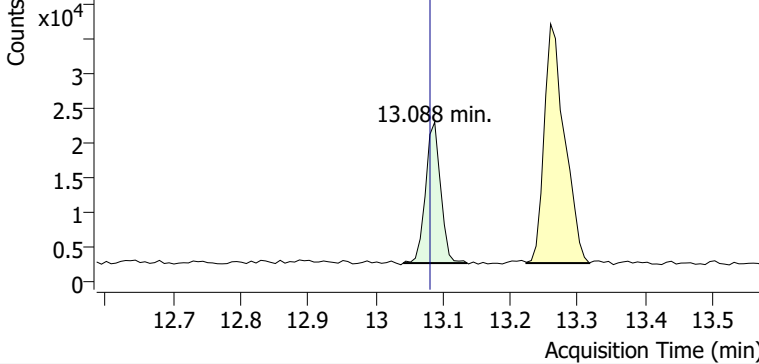


+ Scan (10.860-10.946 min, 12 scans) M2505642.d

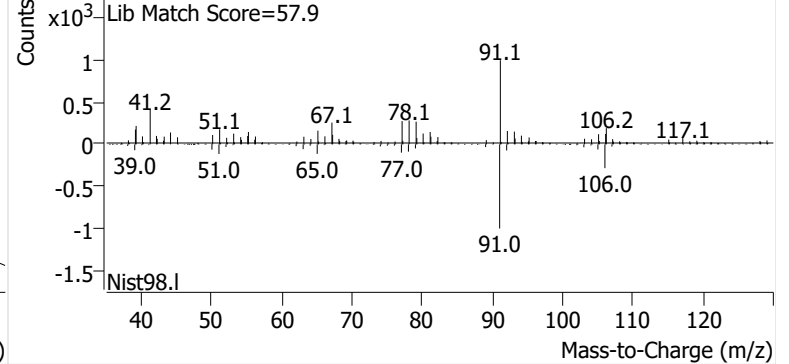


**Ethylbenzene**

+ EIC (91.1) Scan M2505642.d

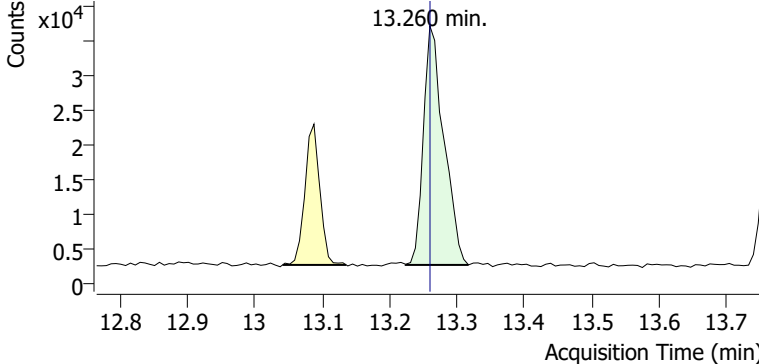


+ Scan (13.041-13.136 min, 13 scans) M2505642.d

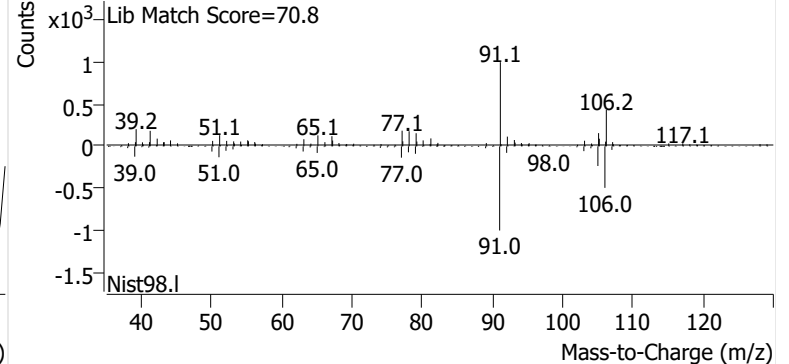


**m-/p-Xylenes**

+ EIC (91.1) Scan M2505642.d

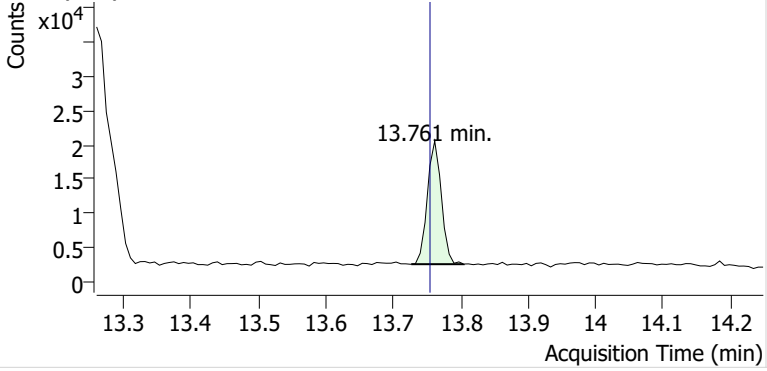


+ Scan (13.224-13.317 min, 13 scans) M2505642.d

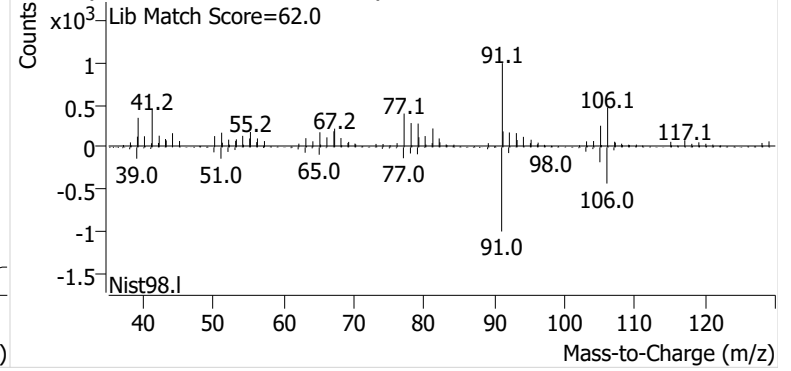


**o-Xylene**

+ EIC (91.1) Scan M2505642.d

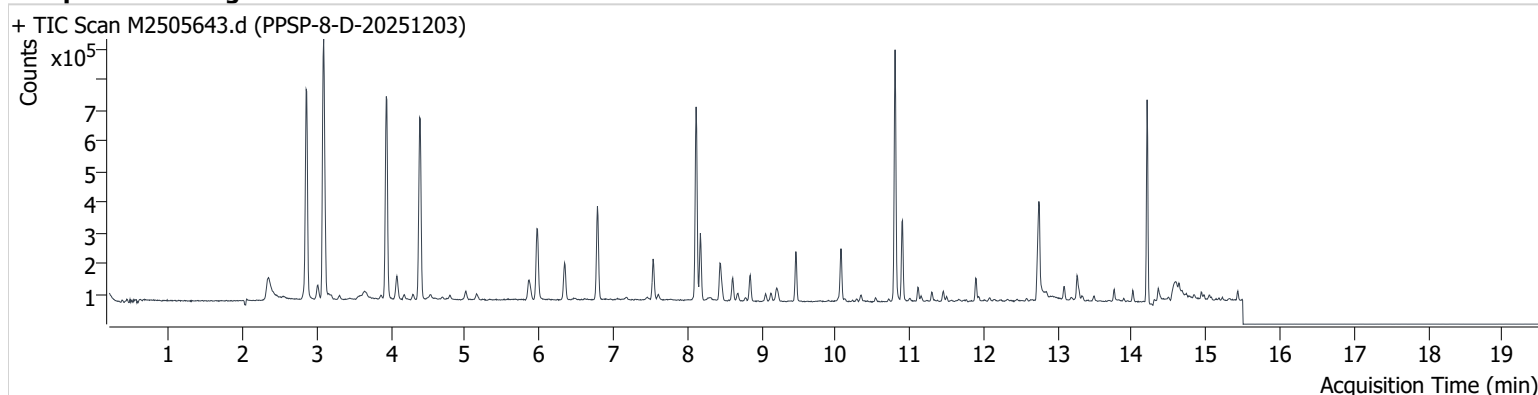


+ Scan (13.726-13.804 min, 11 scans) M2505642.d



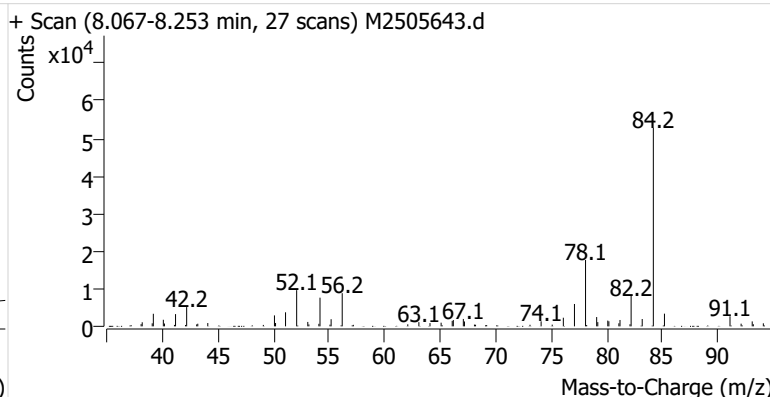
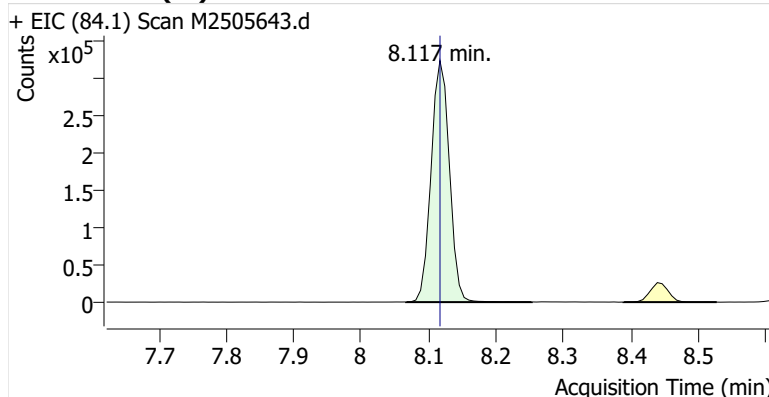
**Name** PPSP-8-D-20251203  
**Comment** C32887  
**Data File** M2505643.d  
**Acq. Date-Time** 12/19/2025 2:53:03 AM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carboxpack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

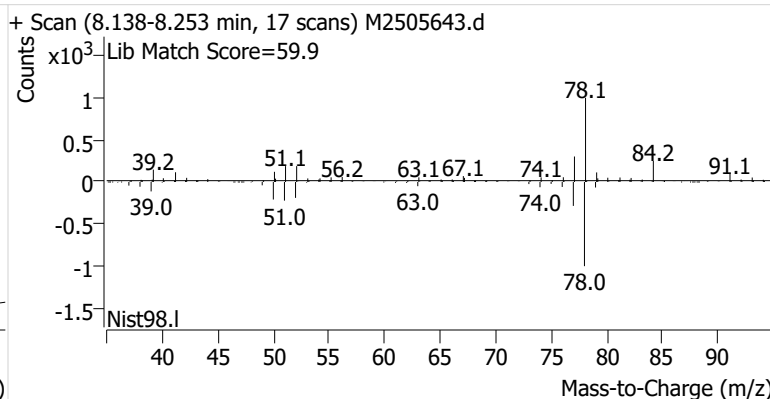
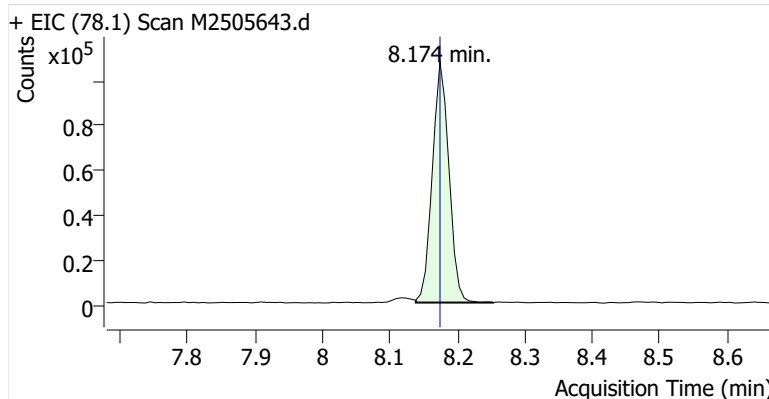


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.117	8.117	611,949	
Benzene	Benzene-d6 (IS)	8.174	8.174	182,285	
Toluene-d8 (IS)		10.803	10.803	537,120	
Toluene	Toluene-d8 (IS)	10.903	10.896	187,159	
Ethylbenzene	Toluene-d8 (IS)	13.088	13.081	28,628	
m-/p-Xylenes	Toluene-d8 (IS)	13.260	13.260	59,641	
o-Xylene	Toluene-d8 (IS)	13.761	13.754	20,898	

**Benzene-d6 (IS)**

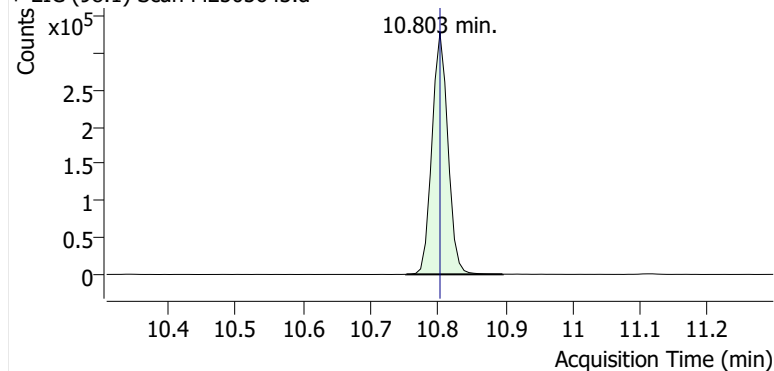


**Benzene**

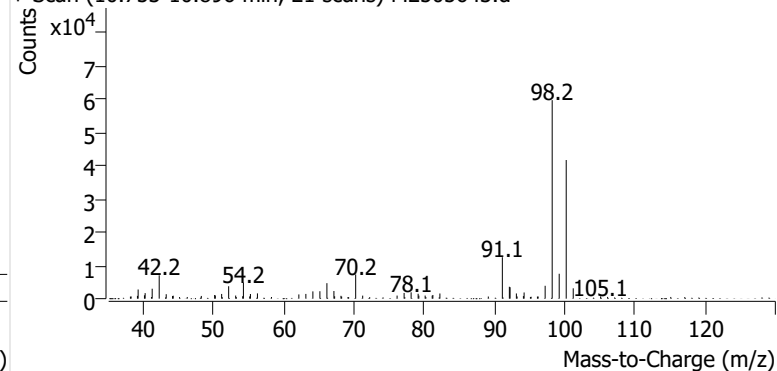


**Toluene-d8 (IS)**

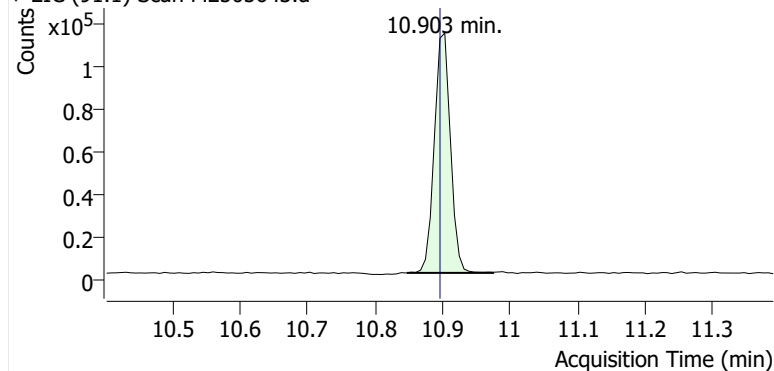
+ EIC (98.1) Scan M2505643.d



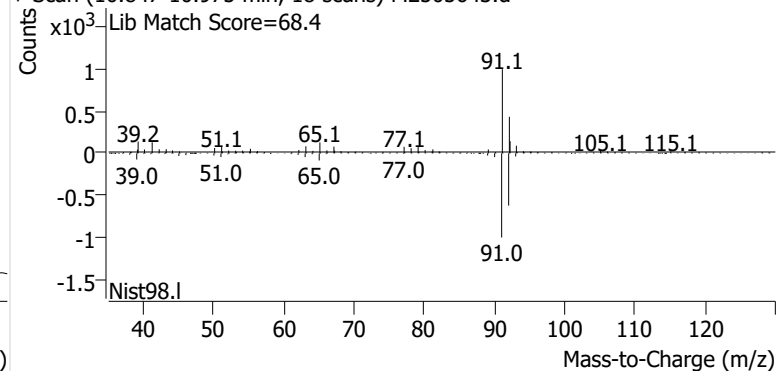
+ Scan (10.753-10.896 min, 21 scans) M2505643.d

**Toluene**

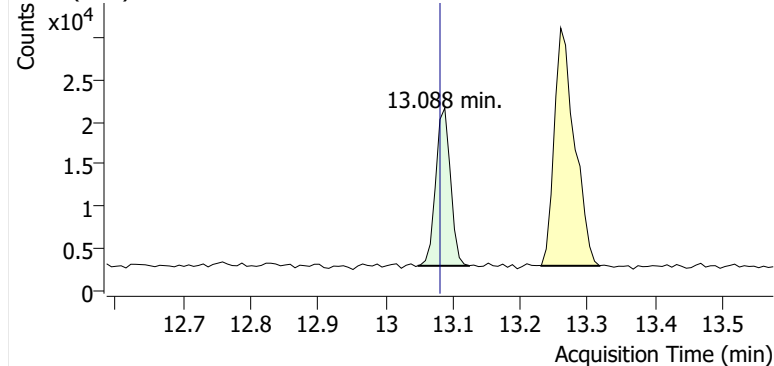
+ EIC (91.1) Scan M2505643.d



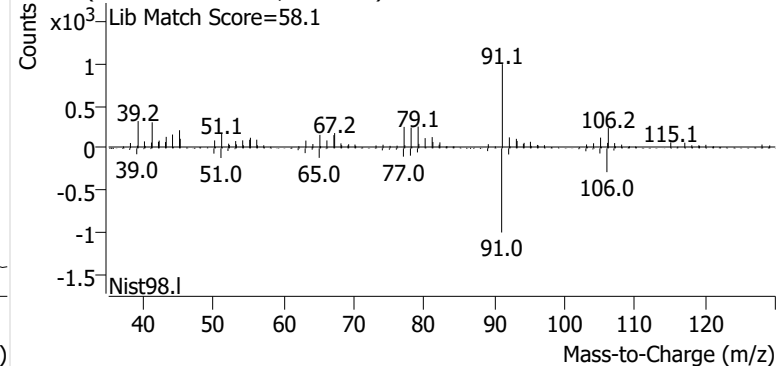
+ Scan (10.847-10.975 min, 18 scans) M2505643.d

**Ethylbenzene**

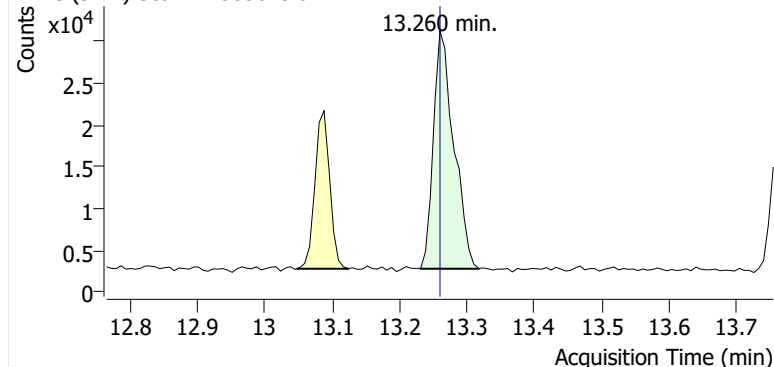
+ EIC (91.1) Scan M2505643.d



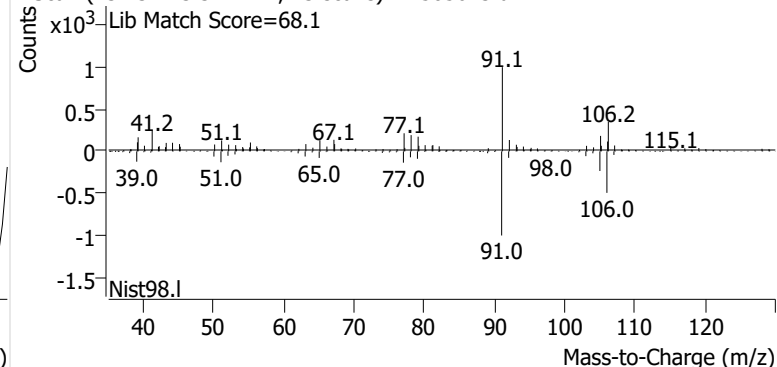
+ Scan (13.048-13.124 min, 11 scans) M2505643.d

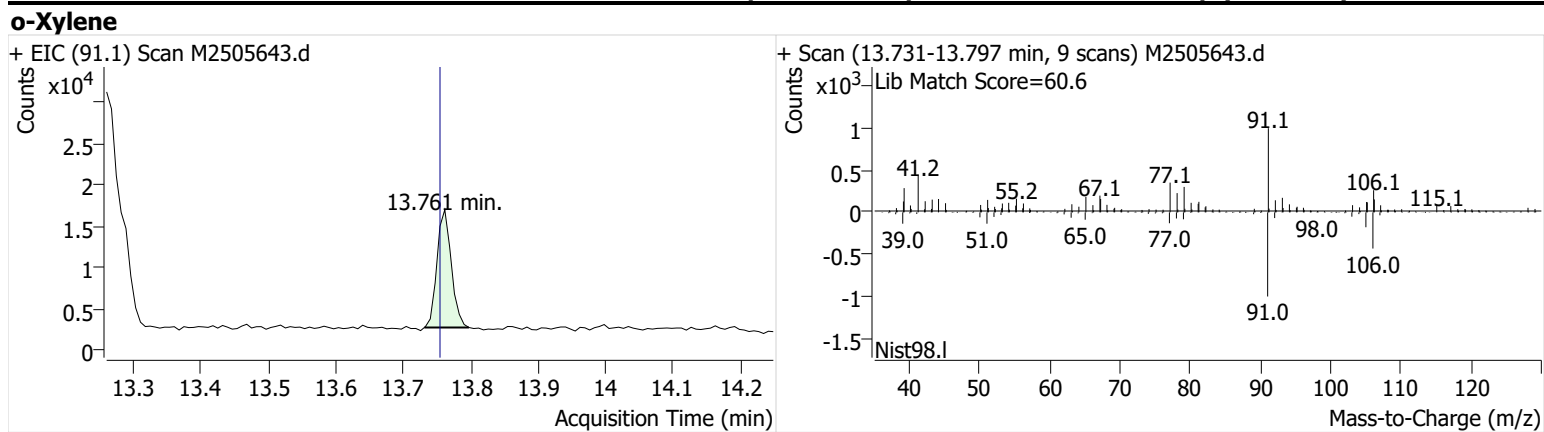
**m-/p-Xylenes**

+ EIC (91.1) Scan M2505643.d



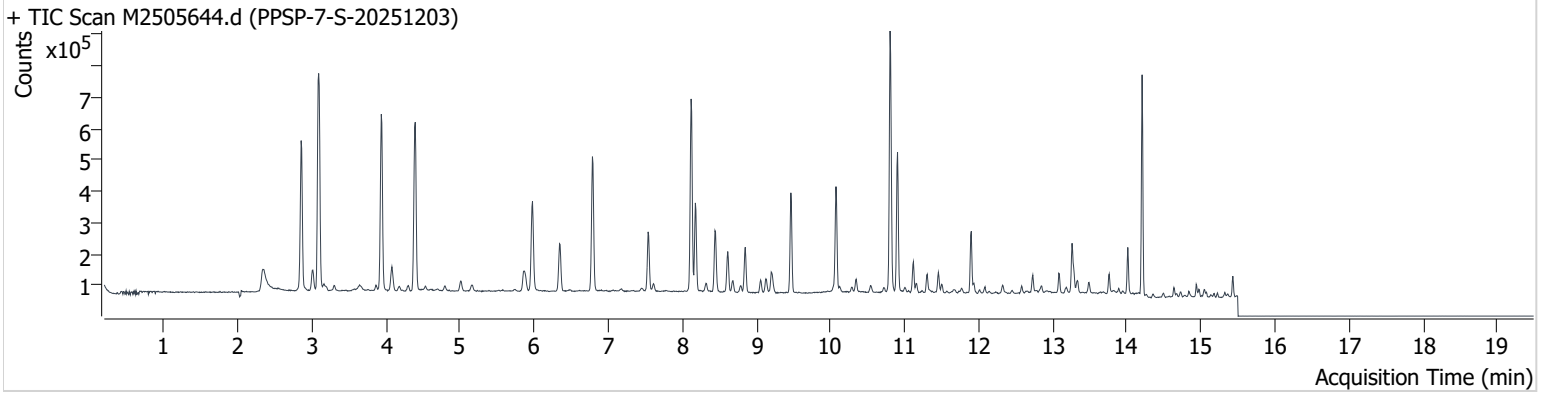
+ Scan (13.231-13.317 min, 13 scans) M2505643.d





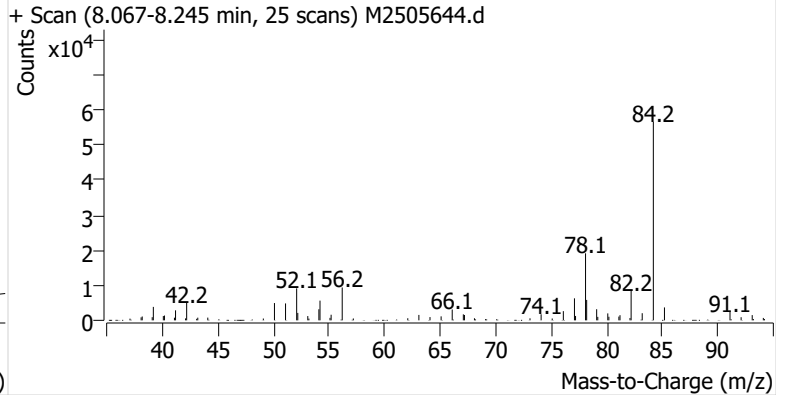
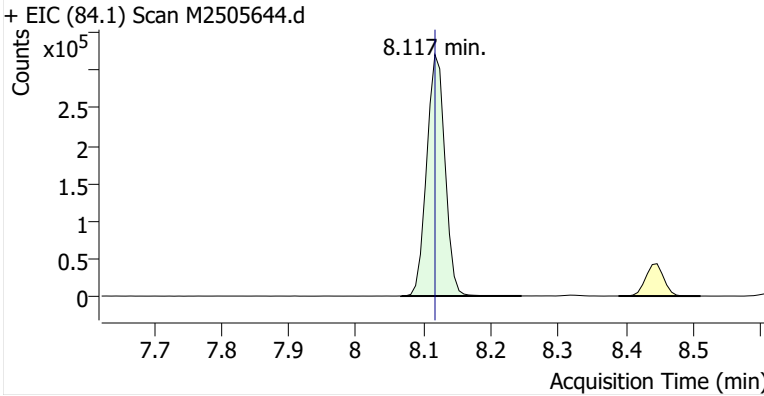
**Name** PPSP-7-S-20251203  
**Comment** C57764  
**Data File** M2505644.d  
**Acq. Date-Time** 12/19/2025 3:18:18 AM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carboxpack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

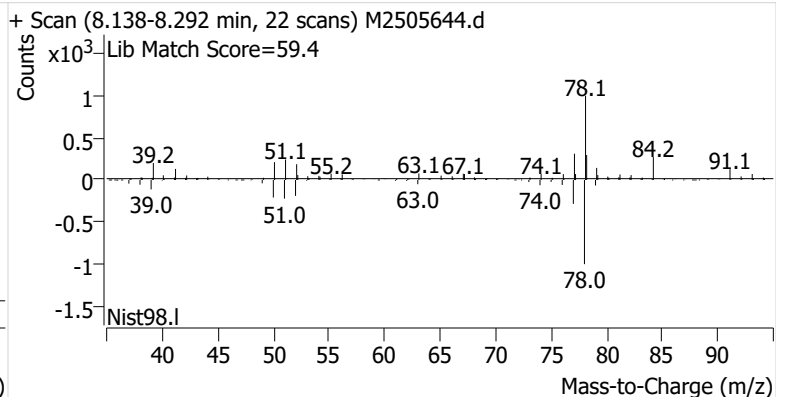
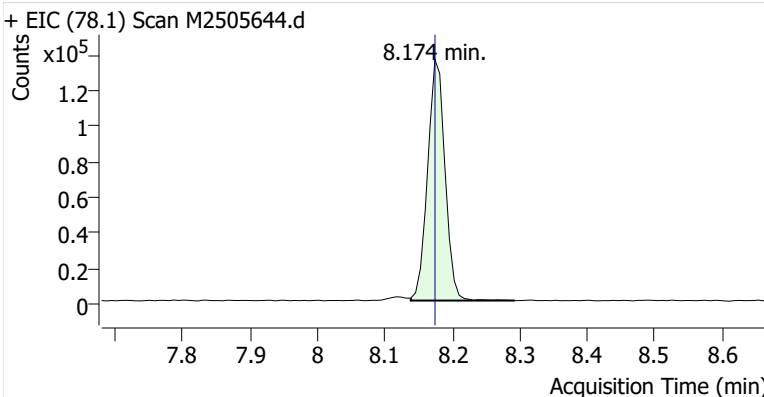


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.117	8.117	605,579	
Benzene	Benzene-d6 (IS)	8.174	8.174	243,768	
Toluene-d8 (IS)		10.803	10.803	575,259	
Toluene	Toluene-d8 (IS)	10.903	10.896	317,321	
Ethylbenzene	Toluene-d8 (IS)	13.081	13.081	41,740	
m-/p-Xylenes	Toluene-d8 (IS)	13.260	13.260	118,920	
o-Xylene	Toluene-d8 (IS)	13.761	13.754	34,983	

**Benzene-d6 (IS)**

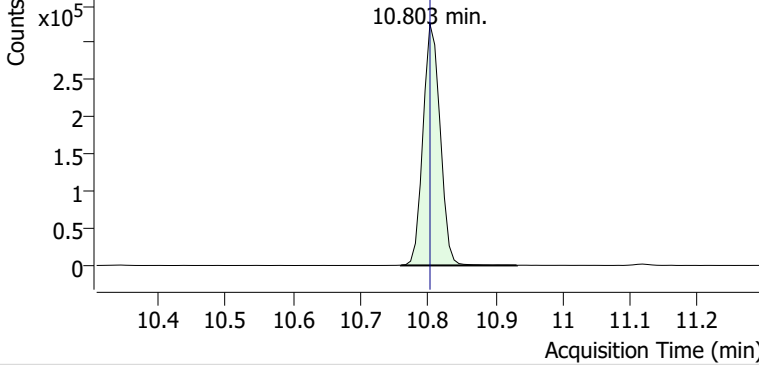


**Benzene**

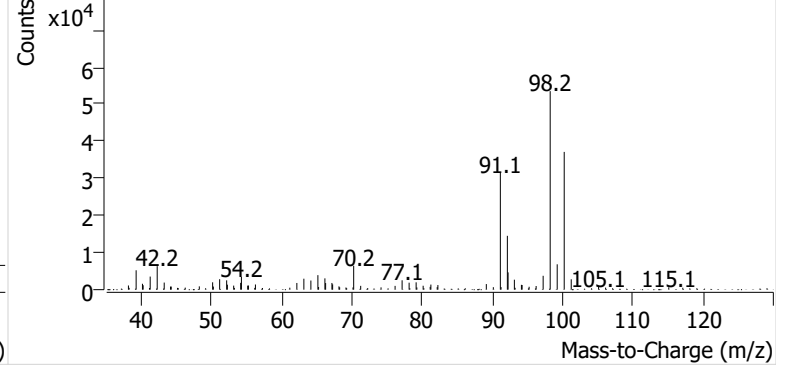


**Toluene-d8 (IS)**

+ EIC (98.1) Scan M2505644.d

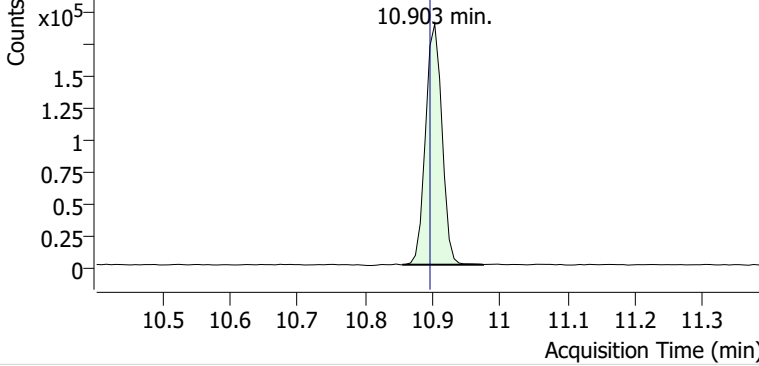


+ Scan (10.760-10.932 min, 25 scans) M2505644.d

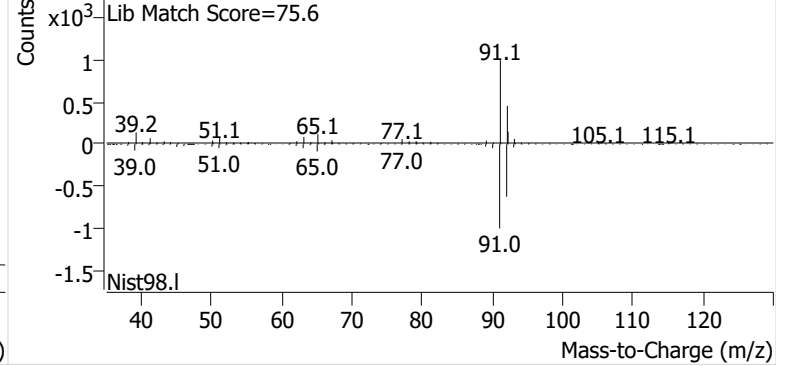


**Toluene**

+ EIC (91.1) Scan M2505644.d

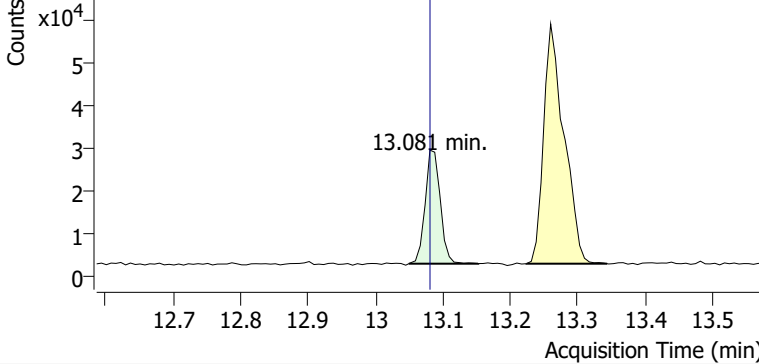


+ Scan (10.855-10.975 min, 17 scans) M2505644.d

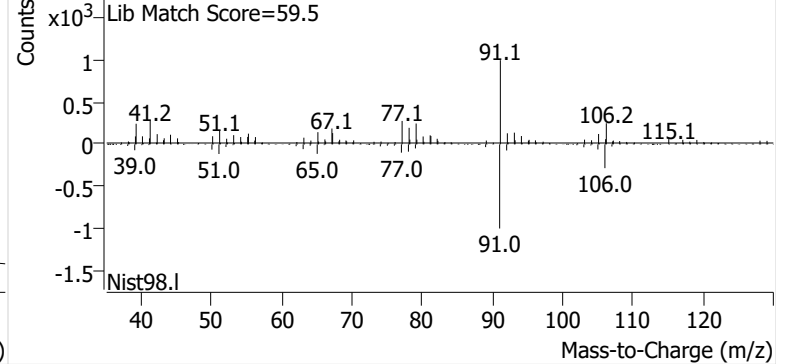


**Ethylbenzene**

+ EIC (91.1) Scan M2505644.d

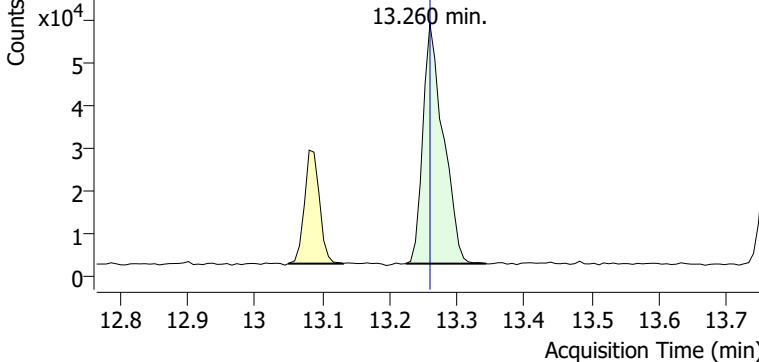


+ Scan (13.049-13.152 min, 15 scans) M2505644.d

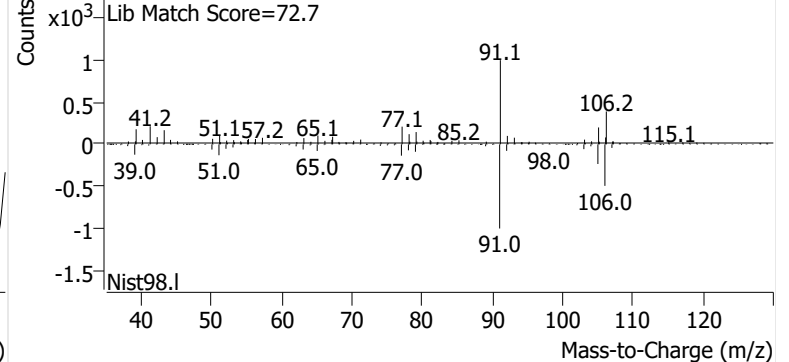


**m-/p-Xylenes**

+ EIC (91.1) Scan M2505644.d

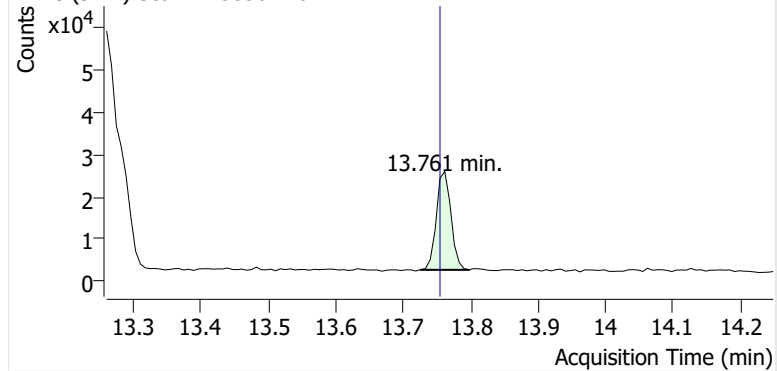


+ Scan (13.224-13.343 min, 16 scans) M2505644.d

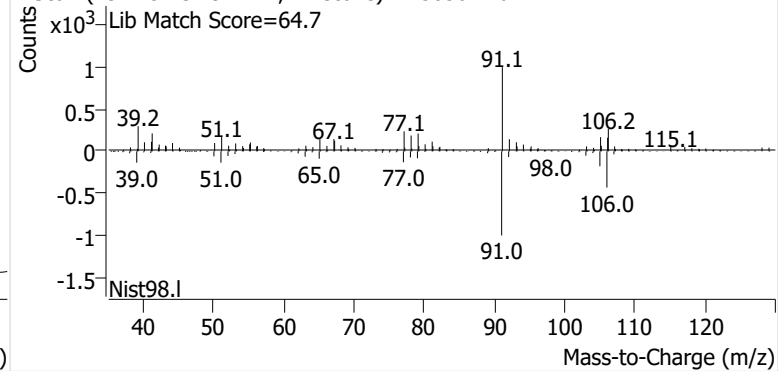


**o-Xylene**

+ EIC (91.1) Scan M2505644.d



+ Scan (13.725-13.797 min, 11 scans) M2505644.d



# Initial Calibration



# Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW406-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

## Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
M121225A_CC185154	Benzene	1	M2505427.d	5.96	48515	55.2	513694	0.875	-0.013
M121225A_CC185154	Benzene	2	M2505428.d	11.93	102852	55.2	507404	0.939	0.059
M121225A_CC185154	Benzene	3	M2505429.d	23.85	205678	55.2	504384	0.944	0.065
M121225A_CC185154	Benzene	4	M2505430.d	47.70	404512	55.2	499768	0.937	0.057
M121225A_CC185154	Benzene	5	M2505431.d	119.26	974155	55.2	501096	0.900	0.015
M121225A_CC185154	Benzene	6	M2505432.d	238.51	1820631	55.2	498432	0.846	-0.046
M121225A_CC185154	Benzene	7	M2505433.d	715.53	4983545	55.2	502133	0.766	-0.14
							Avg:	503844	0.887
							%RSD:	1.0%	7.3%
M121225A_CC185154	Toluene	1	M2505427.d	5.24	46763	65.2	535953	1.086	0.017
M121225A_CC185154	Toluene	2	M2505428.d	10.47	97140	65.2	536707	1.126	0.055
M121225A_CC185154	Toluene	3	M2505429.d	20.95	199821	65.2	534549	1.163	0.09
M121225A_CC185154	Toluene	4	M2505430.d	41.90	396271	65.2	530130	1.163	0.089
M121225A_CC185154	Toluene	5	M2505431.d	104.74	904555	65.2	531294	1.059	-0.0074
M121225A_CC185154	Toluene	6	M2505432.d	209.48	1656753	65.2	527287	0.977	-0.084
M121225A_CC185154	Toluene	7	M2505433.d	628.45	4615004	65.2	533815	0.897	-0.16
							Avg:	532819	1.067
							%RSD:	0.6%	9.3%
M121225A_CC185154	Ethylbenzene	1	M2505427.d	5.44	51330	65.2	535953	1.147	-0.066
M121225A_CC185154	Ethylbenzene	2	M2505428.d	10.89	121075	65.2	536707	1.351	0.1
M121225A_CC185154	Ethylbenzene	3	M2505429.d	21.77	240980	65.2	534549	1.349	0.099
M121225A_CC185154	Ethylbenzene	4	M2505430.d	43.54	485510	65.2	530130	1.371	0.12
M121225A_CC185154	Ethylbenzene	5	M2505431.d	108.86	1100323	65.2	531294	1.240	0.0096
M121225A_CC185154	Ethylbenzene	6	M2505432.d	217.72	1988043	65.2	527287	1.129	-0.081
M121225A_CC185154	Ethylbenzene	7	M2505433.d	653.16	5408274	65.2	533815	1.011	-0.18
							Avg:	532819	1.228
							%RSD:	0.6%	11.2%
M121225A_CC185154	m-/p-Xylenes	1	M2505427.d	6.10	46170	65.2	535953	0.920	-0.089
M121225A_CC185154	m-/p-Xylenes	2	M2505428.d	12.20	109700	65.2	536707	1.092	0.08
M121225A_CC185154	m-/p-Xylenes	3	M2505429.d	24.40	218724	65.2	534549	1.093	0.081
M121225A_CC185154	m-/p-Xylenes	4	M2505430.d	48.80	449574	65.2	530130	1.133	0.12
M121225A_CC185154	m-/p-Xylenes	5	M2505431.d	122.00	1017661	65.2	531294	1.023	0.012
M121225A_CC185154	m-/p-Xylenes	6	M2505432.d	244.00	1851661	65.2	527287	0.938	-0.072
M121225A_CC185154	m-/p-Xylenes	7	M2505433.d	732.01	5255310	65.2	533815	0.876	-0.13
							Avg:	532819	1.011
							%RSD:	0.6%	9.9%
M121225A_CC185154	o-Xylene	1	M2505427.d	5.67	42389	65.2	535953	0.909	-0.084
M121225A_CC185154	o-Xylene	2	M2505428.d	11.35	101376	65.2	536707	1.085	0.094
M121225A_CC185154	o-Xylene	3	M2505429.d	22.69	205704	65.2	534549	1.105	0.11

## Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW406-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

### Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
M121225A_CC185154	o-Xylene	4	M2505430.d	45.38	415129	65.2	530130	1.124	0.13
M121225A_CC185154	o-Xylene	5	M2505431.d	113.46	922237	65.2	531294	0.997	0.0055
M121225A_CC185154	o-Xylene	6	M2505432.d	226.92	1641246	65.2	527287	0.894	-0.099
M121225A_CC185154	o-Xylene	7	M2505433.d	680.75	4612723	65.2	533815	0.827	-0.17
							Avg:	532819	0.992
							%RSD:	0.6%	11.8%

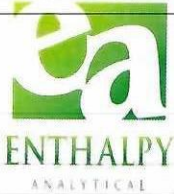
### Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
M121225A_CC185154	Benzene	ICV	M2505434.d	443.46	3122138	55.2	499958	0.778	-12.0%
M121225A_CC185154	Toluene	ICV	M2505434.d	454.10	3319071	65.2	529775	0.899	-16.0%
M121225A_CC185154	Ethylbenzene	ICV	M2505434.d	448.99	3721305	65.2	529775	1.020	-17.0%
M121225A_CC185154	m-/p-Xylenes	ICV	M2505434.d	455.97	3137304	65.2	529775	0.846	-16.0%
M121225A_CC185154	o-Xylene	ICV	M2505434.d	456.85	2995399	65.2	529775	0.807	-19.0%

M325B PDF Report ver.20250917

# Sample Custody





# EPA Method 325 A/B Field Test Data Sheet and Chain of Custody Record

2025FW406

Page # 1 of # 2

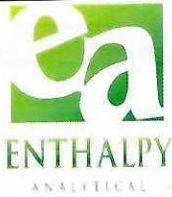
- Standard Turn Around Time (7 business days)
- Rush Turn Around Time
- All TATs Subject to Approval by Enthalpy Analytical, LLC
- Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name: South Portland Terminal	Client Name: Portland Pipe Line	PO#:
Site Address:	Project Number:	Sample Event #
City:	Project Manager: Tom Rolfson	Sorbent:
State:	Email Address: tom.rolfson@powererg.com	
Zip:	Telephone #:	

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
6	C61699	sample	12/3/25	11:15 AM	12/17/25	10:36 AM	JB / JB		
5	B49637	sample	12/3/25	11:25 AM	12/17/25	10:40 AM	JB / JB		
4	C56787	sample	12/3/25	11:30 AM	12/17/25	10:43 AM	JB / JB		
3	C71785	sample	12/3/25	11:35 AM	12/17/25	10:47 AM	JB / JB		
2	C57653	sample	12/3/25	11:39 AM	12/17/25	10:53 AM	JB / JB		
1	C69560	sample	12/3/25	11:42 AM	12/17/25	10:56 AM	JB / JB		
1	C01609	blank	12/3/25	11:42 AM	12/17/25	10:56 AM	JB / JB		
13	C39233	sample	12/3/25	11:48 AM	12/17/25	10:59 AM	JB / JB		

Relinquished By (printed): <b>Jen Bowidowicz</b>		Relinquished By (signature): <i>Jennifer Bowidowicz</i>		Relinquished Date: <b>12/17/2025</b>	Relinquished Time:
Received By (printed): <i>Purdy Grundman</i>		Received By (signature): <i>Purdy Grundman</i>		Receipt Date: <b>12-18-25</b>	Receipt Time: <b>11:55am</b>
Sample Condition Upon Receipt: <b>Good</b>		Compound List: <b>BTEX</b>		Custody Seal intact? Y/N: <b>Y</b>	Delivery tracking #
Ice Temp:	Blank Temp: <b>9.4</b>	Fluke # <b>Fluke 4</b>		Add Custody Seal # below: <b>25D06080</b>	

**Comments:** Please pull the ambient temp from the KPWM NOAA station. Thank you



# EPA Method 325 A/B Field Test Data Sheet and Chain of Custody Record

Page # 2 of # 2

- Standard Turn Around Time (7 business days)
- Rush Turn Around Time
- All TATs Subject to Approval by Enthalpy Analytical, LLC
- Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name: South Portland Terminal	Client Name: Portland Pipe Line	PO#:
Site Address:	Project Number:	Sample Event #:
City:	Project Manager: Tom Rolfson	Sorbent:
State:	Email Address: <a href="mailto:tom.rolfson@powererg.com">tom.rolfson@powererg.com</a>	
Zip:	Telephone #:	

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
12	C43645	sample	12/3/25	11:54 AM	12/17/25	11:04 AM	JB / JB		
11	C40666	sample	12/3/25	12:00 PM	12/17/25	11:07	JB / JB		
10	C01540	sample	12/3/25	12:05 PM	12/17/25	11:10 AM	JB / JB		
9	C53546	sample	12/3/25	12:10 PM	12/17/25	11:13 AM	JB / JB		
8	C43676	sample	12/3/25	12:15 PM	12/17/25	11:17 AM	JB / JB		
8	C32887	duplicate	12/3/25	12:15 PM	12/17/25	11:17 AM	JB / JB		
7	C57764	sample	12/3/25	12:20 PM	12/17/25	11:21 AM	JB / JB		
	C37512	Arrived open							

Relinquished By (printed): <b>Jen Bowidowicz</b>		Relinquished By (signature): <i>Jennifer Bowidowicz</i>		Relinquished Date: <b>12/17/2025</b>		Relinquished Time:	
Received By (printed): <i>Paige Grandman</i>		Received By (signature): <i>Paige Grandman</i>		Receipt Date: <b>12-18-25</b>		Receipt Time: <b>11:55am</b>	
Sample Condition Upon Receipt: <b>Good</b>		Compound List: <b>BTEX</b>		Custody Seal intact? Y/N: <b>Y</b>		Delivery tracking #	
Ice Temp:	Blank Temp: <b>9.4</b>	<i>Plakell</i>		Add Custody Seal # below: <b>25D06080</b>			

**Comments:** Please pull the ambient temp from the KPWM NOAA station. Thank you

**This Is The Last Page  
Of This Report.**



# Portland Pipeline - S Portland, ME

303 U.S. Route One  
Freeport, ME 04032

## Portland Pipeline - S Portland, ME

Samples Received: 1/5/2026

Analytical Report  
2025FW407

EPA Method 325B Analysis

Report Issue Date: 1/14/2026

I certify that to the best of my knowledge all analytical data presented in this report have been checked for completeness, accuracy, errors and legibility in addition to having been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s). This report shall not be reproduced except in full without approval of the laboratory. This will provide assurance that parts of the report are not taken out of context.

Amendment(s):

Signature:



QA Review by Isabel Obando Marrero, Data Reviewer



Matt Cavanaugh  
Matthew.Cavanaugh@enthalpy.com / www.enthalpy.com  
O: (919) 850-4392  
Enthalpy Analytical  
800 Capitola Drive Suite 1 Durham, NC 27713

# Table of Contents

Case Narrative .....	3
Results .....	6
Summary of Results .....	7
Detailed Results .....	8
QC Data .....	11
Chromatograms .....	14
Initial Calibration .....	63
Sample Custody .....	66
Chain of Custody .....	67

# Narrative Summary



# Enthalpy Analytical Narrative Summary

Company	Power Engineers, Inc.
Job No.	2025FW407-1
Client ID.	Site: Portland Pipeline - S Portland, ME

## 1. Custody

The samples were received at Enthalpy Analytical on January 5, 2026 at 17.9 °C. The samples were received in good condition. Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, LLC

**Table 1 - Sample Inventory**

Sample ID	Tube ID	Sample Type
PPSP-6-S-20251217	C69650	Sample
PPSP-5-S-20251217	C00627	Sample
PPSP-4-S-20251217	C20432	Sample
PPSP-3-S-20251217	C57479	Sample
PPSP-2-S-20251217	C55544	Sample
PPSP-1-S-20251217	C60257	Sample
PPSP-1-B-20251217	C43380	Blank
PPSP-13-S-20251217	C01843	Sample
PPSP-12-S-20251217	C60002	Sample
PPSP-11-S-20251217	C43250	Sample
PPSP-10-S-20251217	B52910	Sample
PPSP-9-S-20251217	C01371	Sample
PPSP-8-S-20251217	C33733	Sample
PPSP-8-D-20251217	C60290	Duplicate
PPSP-7-S-20251217	C71537	Sample

## 2. Analysis

The samples were analyzed for Benzene, Toluene, Ethylbenzene, m-/p-Xylenes, and o-Xylene using EPA Method 325B – Volatile Organic Compounds from Fugitive and Area Sources by Thermal Desorption and GC/MS. A copy of the acquisition method M325B-MTD is not included in this report but may be available upon request.

The sample tube media used for this sampling period was CarbopackX. All calibration standards and laboratory QC were prepared using the same media.

## 3. Calibration

All BFB tune criteria have been met for this analysis.

The initial calibration (M121225A\_CC185154) met all 30% RSD criteria. The initial calibration verification met  $\pm 30\%$  recovery criteria. The continuing calibration verifications met 30% difference criteria. The initial and continuing calibration raw data are not included in this report but are available upon request.

# Enthalpy Analytical Narrative Summary

Company	Power Engineers, Inc.
Job No.	2025FW407-1
Client ID.	Site: Portland Pipeline - S Portland, ME

## 5. QC Notes

All quality control criteria required by the method and/or the laboratory SOP have been met unless noted otherwise below.

## 6. Reporting Notes

All tubes used for this sampling period met the method criteria for number of uses; no tube exceeded 50 field uses.

As specified in EPA Method 325B, the response factor of the daily continuing calibration standard was used to quantitate all field samples and blanks.

All samples were reported as amount in ng catch, and concentration in ug/m<sup>3</sup> and ppbv.

The results presented in this report are representative of the samples as provided to the laboratory. These analyses met the requirements of the TNI Standard. Any deviations from the requirements of the reference method or TNI Standard have been stated above.

Enthalpy Analytical, located at 800 Capitola Drive, Suite 1, Durham NC, 27713 is accredited by the Louisiana Department of Environmental Quality (LDEQ) for EPA Method 325B for all analytes included in this report under **Certificate Number 04010**.

# Results



# Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW407-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

## Summary

Sample Code	Tube ID	Benzene		Toluene		Ethylbenzene		m-/p-Xylenes		o-Xylene	
		(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag
PPSP-6-S-20251217	C69650	2.00		2.51		0.307	J	0.944		0.342	J
PPSP-5-S-20251217	C00627	0.823		1.38			ND	0.436	J		ND
PPSP-4-S-20251217	C20432	0.896		1.80			ND	0.370	J		ND
PPSP-3-S-20251217	C57479	0.782		1.64			ND	0.462	J		ND
PPSP-2-S-20251217	C55544	1.01		1.79			ND	0.493	J		ND
PPSP-1-S-20251217	C60257	1.28		1.89			ND	0.583	J		ND
PPSP-1-B-20251217	C43380		ND	0.361	J		ND		ND		ND
PPSP-13-S-20251217	C01843	0.985		1.71			ND	0.359	J		ND
PPSP-12-S-20251217	C60002	1.05		1.40			ND	0.551	J		ND
PPSP-11-S-20251217	C43250	1.31		2.02			ND	0.641	J		ND
PPSP-10-S-20251217	B52910	0.920		1.26			ND	0.358	J		ND
PPSP-9-S-20251217	C01371	0.915		1.51			ND	0.442	J		ND
PPSP-8-S-20251217	C33733	0.958		1.38			ND	0.442	J		ND
PPSP-8-D-20251217	C60290	0.957		1.58			ND	0.544	J		ND
PPSP-7-S-20251217	C71537	0.976		1.69			ND	0.598	J		ND

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit

ND: The analyte was not present above the Method Detection Limit

# Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW407-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

## Benzene

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20251217	C69650	2.00	0.627	25.8	27.0	0.638	20199	0.194	0.463	0.0608	0.145		M2600027.d	2026-01-05 15:35	0.868	8.174	188669	465483	55.2	8.117	-0.7%
PPSP-5-S-20251217	C00627	0.823	0.258	10.6	27.0	0.638	20202	0.194	0.463	0.0607	0.145		M2600028.d	2026-01-05 16:00	0.868	8.174	76575	459285	55.2	8.117	-2.1%
PPSP-4-S-20251217	C20432	0.896	0.281	11.6	27.0	0.638	20203	0.194	0.463	0.0607	0.145		M2600029.d	2026-01-05 16:25	0.868	8.174	83697	460855	55.2	8.116	-1.7%
PPSP-3-S-20251217	C57479	0.782	0.245	10.1	27.0	0.638	20203	0.194	0.463	0.0607	0.145		M2600030.d	2026-01-05 16:51	0.868	8.174	73126	461364	55.2	8.117	-1.6%
PPSP-2-S-20251217	C55544	1.01	0.317	13.0	27.0	0.638	20199	0.194	0.463	0.0608	0.145		M2600031.d	2026-01-05 17:16	0.868	8.174	93561	456505	55.2	8.117	-2.7%
PPSP-1-S-20251217	C60257	1.28	0.400	16.5	27.0	0.638	20198	0.194	0.463	0.0608	0.145		M2600032.d	2026-01-05 17:42	0.868	8.174	118303	457425	55.2	8.117	-2.5%
PPSP-1-B-20251217	C43380				27.0	0.638	20198	0.194	0.463	0.0608	0.145	ND	M2600026.d	2026-01-05 15:09	0.868	8.174	8247	469971	55.2	8.117	0.2%
PPSP-13-S-20251217	C01843	0.985	0.309	12.7	27.0	0.638	20199	0.194	0.463	0.0608	0.145		M2600033.d	2026-01-05 18:08	0.868	8.174	90830	455233	55.2	8.117	-2.9%
PPSP-12-S-20251217	C60002	1.05	0.328	13.5	27.0	0.638	20201	0.194	0.463	0.0608	0.145		M2600034.d	2026-01-05 18:33	0.868	8.174	96718	455855	55.2	8.117	-2.8%
PPSP-11-S-20251217	C43250	1.31	0.409	16.8	27.0	0.638	20201	0.194	0.463	0.0608	0.145		M2600035.d	2026-01-05 18:59	0.868	8.174	119891	452979	55.2	8.117	-3.4%
PPSP-10-S-20251217	B52910	0.920	0.288	11.9	27.0	0.638	20202	0.194	0.463	0.0607	0.145		M2600037.d	2026-01-05 19:50	0.868	8.174	84153	451592	55.2	8.117	-3.7%
PPSP-9-S-20251217	C01371	0.915	0.287	11.8	27.0	0.638	20203	0.194	0.463	0.0607	0.145		M2600038.d	2026-01-05 20:15	0.868	8.174	84115	453840	55.2	8.117	-3.2%
PPSP-8-S-20251217	C33733	0.958	0.300	12.3	27.0	0.638	20203	0.194	0.463	0.0607	0.145		M2600039.d	2026-01-05 20:40	0.868	8.174	87587	451390	55.2	8.117	-3.7%
PPSP-8-D-20251217	C60290	0.957	0.300	12.3	27.0	0.638	20203	0.194	0.463	0.0607	0.145		M2600040.d	2026-01-05 21:06	0.868	8.174	87584	451931	55.2	8.117	-3.6%
PPSP-7-S-20251217	C71537	0.976	0.306	12.6	27.0	0.638	20203	0.194	0.463	0.0607	0.145		M2600041.d	2026-01-05 21:31	0.868	8.174	89428	452073	55.2	8.116	-3.6%

## Toluene

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20251217	C69650	2.51	0.667	25.1	27.0	0.495	20199	0.250	0.524	0.0664	0.139		M2600027.d	2026-01-05 15:35	1.028	10.896	192166	484606	65.2	10.803	-1.1%
PPSP-5-S-20251217	C00627	1.38	0.366	13.8	27.0	0.495	20202	0.250	0.523	0.0664	0.139		M2600028.d	2026-01-05 16:00	1.028	10.896	102071	469568	65.2	10.803	-4.2%
PPSP-4-S-20251217	C20432	1.80	0.477	18.0	27.0	0.495	20203	0.250	0.523	0.0664	0.139		M2600029.d	2026-01-05 16:25	1.028	10.896	133324	470130	65.2	10.803	-4.0%
PPSP-3-S-20251217	C57479	1.64	0.436	16.4	27.0	0.495	20203	0.250	0.523	0.0664	0.139		M2600030.d	2026-01-05 16:51	1.028	10.896	125527	484444	65.2	10.803	-1.1%
PPSP-2-S-20251217	C55544	1.79	0.474	17.9	27.0	0.495	20199	0.250	0.524	0.0664	0.139		M2600031.d	2026-01-05 17:16	1.028	10.896	134632	477932	65.2	10.803	-2.4%
PPSP-1-S-20251217	C60257	1.89	0.501	18.9	27.0	0.495	20198	0.250	0.524	0.0664	0.139		M2600032.d	2026-01-05 17:42	1.028	10.896	141954	476298	65.2	10.803	-2.8%
PPSP-1-B-20251217	C43380	0.361	0.0959	3.61	27.0	0.495	20198	0.250	0.524	0.0664	0.139	J	M2600026.d	2026-01-05 15:09	1.028	10.896	27834	488513	65.2	10.803	-0.3%
PPSP-13-S-20251217	C01843	1.71	0.454	17.1	27.0	0.495	20199	0.250	0.524	0.0664	0.139		M2600033.d	2026-01-05 18:08	1.028	10.896	127318	471600	65.2	10.803	-3.7%
PPSP-12-S-20251217	C60002	1.40	0.371	14.0	27.0	0.495	20201	0.250	0.524	0.0664	0.139		M2600034.d	2026-01-05 18:33	1.028	10.896	104937	476460	65.2	10.803	-2.7%
PPSP-11-S-20251217	C43250	2.02	0.537	20.2	27.0	0.495	20201	0.250	0.524	0.0664	0.139		M2600035.d	2026-01-05 18:59	1.028	10.896	151264	473827	65.2	10.803	-3.3%
PPSP-10-S-20251217	B52910	1.26	0.335	12.6	27.0	0.495	20202	0.250	0.523	0.0664	0.139		M2600037.d	2026-01-05 19:50	1.028	10.896	92414	464720	65.2	10.803	-5.1%
PPSP-9-S-20251217	C01371	1.51	0.402	15.1	27.0	0.495	20203	0.250	0.523	0.0664	0.139		M2600038.d	2026-01-05 20:15	1.028	10.896	112942	473115	65.2	10.803	-3.4%
PPSP-8-S-20251217	C33733	1.38	0.367	13.8	27.0	0.495	20203	0.250	0.523	0.0664	0.139		M2600039.d	2026-01-05 20:40	1.028	10.896	103037	472365	65.2	10.803	-3.6%
PPSP-8-D-20251217	C60290	1.58	0.419	15.8	27.0	0.495	20203	0.250	0.523	0.0664	0.139		M2600040.d	2026-01-05 21:06	1.028	10.896	117465	471981	65.2	10.803	-3.7%
PPSP-7-S-20251217	C71537	1.69	0.450	16.9	27.0	0.495	20203	0.250	0.523	0.0664	0.139		M2600041.d	2026-01-05 21:31	1.028	10.903	129965	486025	65.2	10.803	-0.8%

## Ethylbenzene

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20251217	C69650	0.307	0.0708	2.72	27.0	0.438	20199	0.283	0.615	0.0651	0.142	J	M2600027.d	2026-01-05 15:35	1.194	13.081	24131	484606	65.2	10.803	-1.1%
PPSP-5-S-20251217	C00627				27.0	0.438	20202	0.282	0.615	0.0651	0.142	ND	M2600028.d	2026-01-05 16:00	1.194	13.081	16399	469568	65.2	10.803	-4.2%
PPSP-4-S-20251217	C20432				27.0	0.438	20203	0.282	0.615	0.0651	0.142	ND	M2600029.d	2026-01-05 16:25	1.194	13.081	13806	470130	65.2	10.803	-4.0%

# Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW407-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

## Ethylbenzene

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-3-S-20251217	C57479				27.0	0.438	20203	0.282	0.615	0.0651	0.142	ND	M2600030.d	2026-01-05 16:51	1.194	13.081	14002	484444	65.2	10.803	-1.1%
PPSP-2-S-20251217	C55544				27.0	0.438	20199	0.283	0.615	0.0651	0.142	ND	M2600031.d	2026-01-05 17:16	1.194	13.081	13555	477932	65.2	10.803	-2.4%
PPSP-1-S-20251217	C60257				27.0	0.438	20198	0.283	0.615	0.0651	0.142	ND	M2600032.d	2026-01-05 17:42	1.194	13.081	16198	476298	65.2	10.803	-2.8%
PPSP-1-B-20251217	C43380				27.0	0.438	20198	0.283	0.615	0.0651	0.142	ND	M2600026.d	2026-01-05 15:09	1.194	13.074	1068	488513	65.2	10.803	-0.3%
PPSP-13-S-20251217	C01843				27.0	0.438	20199	0.283	0.615	0.0651	0.142	ND	M2600033.d	2026-01-05 18:08	1.194	13.081	13182	471600	65.2	10.803	-3.7%
PPSP-12-S-20251217	C60002				27.0	0.438	20201	0.283	0.615	0.0651	0.142	ND	M2600034.d	2026-01-05 18:33	1.194	13.088	14913	476460	65.2	10.803	-2.7%
PPSP-11-S-20251217	C43250				27.0	0.438	20201	0.283	0.615	0.0651	0.142	ND	M2600035.d	2026-01-05 18:59	1.194	13.081	16458	473827	65.2	10.803	-3.3%
PPSP-10-S-20251217	B52910				27.0	0.438	20202	0.282	0.615	0.0651	0.142	ND	M2600037.d	2026-01-05 19:50	1.194	13.081	14101	464720	65.2	10.803	-5.1%
PPSP-9-S-20251217	C01371				27.0	0.438	20203	0.282	0.615	0.0651	0.142	ND	M2600038.d	2026-01-05 20:15	1.194	13.081	15390	473115	65.2	10.803	-3.4%
PPSP-8-S-20251217	C33733				27.0	0.438	20203	0.282	0.615	0.0651	0.142	ND	M2600039.d	2026-01-05 20:40	1.194	13.088	15851	472365	65.2	10.803	-3.6%
PPSP-8-D-20251217	C60290				27.0	0.438	20203	0.282	0.615	0.0651	0.142	ND	M2600040.d	2026-01-05 21:06	1.194	13.088	15095	471981	65.2	10.803	-3.7%
PPSP-7-S-20251217	C71537				27.0	0.438	20203	0.282	0.615	0.0651	0.142	ND	M2600041.d	2026-01-05 21:31	1.194	13.080	15732	486025	65.2	10.803	-0.8%

## m-/p-Xylenes

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20251217	C69650	0.944	0.218	8.36	27.0	0.438	20199	0.283	0.689	0.0651	0.159		M2600027.d	2026-01-05 15:35	1.034	13.260	64273	484606	65.2	10.803	-1.1%
PPSP-5-S-20251217	C00627	0.436	0.100	3.86	27.0	0.438	20202	0.282	0.689	0.0651	0.159	J	M2600028.d	2026-01-05 16:00	1.034	13.260	28732	469568	65.2	10.803	-4.2%
PPSP-4-S-20251217	C20432	0.370	0.0853	3.27	27.0	0.438	20203	0.282	0.689	0.0651	0.159	J	M2600029.d	2026-01-05 16:25	1.034	13.260	24435	470130	65.2	10.803	-4.0%
PPSP-3-S-20251217	C57479	0.462	0.107	4.09	27.0	0.438	20203	0.282	0.689	0.0651	0.159	J	M2600030.d	2026-01-05 16:51	1.034	13.260	31463	484444	65.2	10.803	-1.1%
PPSP-2-S-20251217	C55544	0.493	0.114	4.36	27.0	0.438	20199	0.283	0.689	0.0651	0.159	J	M2600031.d	2026-01-05 17:16	1.034	13.260	33101	477932	65.2	10.803	-2.4%
PPSP-1-S-20251217	C60257	0.583	0.134	5.16	27.0	0.438	20198	0.283	0.689	0.0651	0.159	J	M2600032.d	2026-01-05 17:42	1.034	13.260	38990	476298	65.2	10.803	-2.8%
PPSP-1-B-20251217	C43380				27.0	0.438	20198	0.283	0.689	0.0651	0.159	ND	M2600026.d	2026-01-05 15:09	1.034	13.260	1497	488513	65.2	10.803	-0.3%
PPSP-13-S-20251217	C01843	0.359	0.0827	3.18	27.0	0.438	20199	0.283	0.689	0.0651	0.159	J	M2600033.d	2026-01-05 18:08	1.034	13.260	23781	471600	65.2	10.803	-3.7%
PPSP-12-S-20251217	C60002	0.551	0.127	4.87	27.0	0.438	20201	0.283	0.689	0.0651	0.159	J	M2600034.d	2026-01-05 18:33	1.034	13.260	36851	476460	65.2	10.803	-2.7%
PPSP-11-S-20251217	C43250	0.641	0.148	5.68	27.0	0.438	20201	0.283	0.689	0.0651	0.159	J	M2600035.d	2026-01-05 18:59	1.034	13.260	42682	473827	65.2	10.803	-3.3%
PPSP-10-S-20251217	B52910	0.358	0.0826	3.17	27.0	0.438	20202	0.282	0.689	0.0651	0.159	J	M2600037.d	2026-01-05 19:50	1.034	13.260	23386	464720	65.2	10.803	-5.1%
PPSP-9-S-20251217	C01371	0.442	0.102	3.92	27.0	0.438	20203	0.282	0.689	0.0651	0.159	J	M2600038.d	2026-01-05 20:15	1.034	13.260	29407	473115	65.2	10.803	-3.4%
PPSP-8-S-20251217	C33733	0.442	0.102	3.91	27.0	0.438	20203	0.282	0.689	0.0651	0.159	J	M2600039.d	2026-01-05 20:40	1.034	13.260	29296	472365	65.2	10.803	-3.6%
PPSP-8-D-20251217	C60290	0.544	0.125	4.81	27.0	0.438	20203	0.282	0.689	0.0651	0.159	J	M2600040.d	2026-01-05 21:06	1.034	13.260	36039	471981	65.2	10.803	-3.7%
PPSP-7-S-20251217	C71537	0.598	0.138	5.29	27.0	0.438	20203	0.282	0.689	0.0651	0.159	J	M2600041.d	2026-01-05 21:31	1.034	13.260	40804	486025	65.2	10.803	-0.8%

## o-Xylene

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20251217	C69650	0.342	0.0789	3.03	27.0	0.438	20199	0.283	0.641	0.0651	0.148	J	M2600027.d	2026-01-05 15:35	1.000	13.754	22545	484606	65.2	10.803	-1.1%
PPSP-5-S-20251217	C00627				27.0	0.438	20202	0.282	0.641	0.0651	0.148	ND	M2600028.d	2026-01-05 16:00	1.000	13.761	11249	469568	65.2	10.803	-4.2%
PPSP-4-S-20251217	C20432				27.0	0.438	20203	0.282	0.641	0.0651	0.148	ND	M2600029.d	2026-01-05 16:25	1.000	13.754	9214	470130	65.2	10.803	-4.0%
PPSP-3-S-20251217	C57479				27.0	0.438	20203	0.282	0.641	0.0651	0.148	ND	M2600030.d	2026-01-05 16:51	1.000	13.761	12718	484444	65.2	10.803	-1.1%
PPSP-2-S-20251217	C55544				27.0	0.438	20199	0.283	0.641	0.0651	0.148	ND	M2600031.d	2026-01-05 17:16	1.000	13.761	11510	477932	65.2	10.803	-2.4%
PPSP-1-S-20251217	C60257				27.0	0.438	20198	0.283	0.641	0.0651	0.148	ND	M2600032.d	2026-01-05 17:42	1.000	13.761	14038	476298	65.2	10.803	-2.8%

# Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW407-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

## o-Xylene

Sample Code	Tube ID	Conc (ug/m <sup>3</sup> )	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m <sup>3</sup> )	LOQ (ug/m <sup>3</sup> )	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-1-B-20251217	C43380				27.0	0.438	20198	0.283	0.641	0.0651	0.148	ND	M2600026.d	2026-01-05 15:09	1.000	13.747	624	488513	65.2	10.803	-0.3%
PPSP-13-S-20251217	C01843				27.0	0.438	20199	0.283	0.641	0.0651	0.148	ND	M2600033.d	2026-01-05 18:08	1.000	13.761	9519	471600	65.2	10.803	-3.7%
PPSP-12-S-20251217	C60002				27.0	0.438	20201	0.283	0.641	0.0651	0.148	ND	M2600034.d	2026-01-05 18:33	1.000	13.761	12680	476460	65.2	10.803	-2.7%
PPSP-11-S-20251217	C43250				27.0	0.438	20201	0.283	0.641	0.0651	0.148	ND	M2600035.d	2026-01-05 18:59	1.000	13.761	14936	473827	65.2	10.803	-3.3%
PPSP-10-S-20251217	B52910				27.0	0.438	20202	0.282	0.641	0.0651	0.148	ND	M2600037.d	2026-01-05 19:50	1.000	13.761	8587	464720	65.2	10.803	-5.1%
PPSP-9-S-20251217	C01371				27.0	0.438	20203	0.282	0.641	0.0651	0.148	ND	M2600038.d	2026-01-05 20:15	1.000	13.761	11108	473115	65.2	10.803	-3.4%
PPSP-8-S-20251217	C33733				27.0	0.438	20203	0.282	0.641	0.0651	0.148	ND	M2600039.d	2026-01-05 20:40	1.000	13.761	11154	472365	65.2	10.803	-3.6%
PPSP-8-D-20251217	C60290				27.0	0.438	20203	0.282	0.641	0.0651	0.148	ND	M2600040.d	2026-01-05 21:06	1.000	13.761	13123	471981	65.2	10.803	-3.7%
PPSP-7-S-20251217	C71537				27.0	0.438	20203	0.282	0.641	0.0651	0.148	ND	M2600041.d	2026-01-05 21:31	1.000	13.761	16504	486025	65.2	10.803	-0.8%

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit

ND: The analyte was not present above the Method Detection Limit

# QC Data



## Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW407-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

### QC Samples

Field Sample Type	Sample Code	Benzene		Toluene		Ethylbenzene		m-/p-Xylenes		o-Xylene	
Blanks (ug/m <sup>3</sup> )	PPSP-1-B-20251217	ND	Pass	0.361	Pass	ND	Pass	ND	Pass	ND	Pass
Duplicates (difference)	PPSP-8-D-20251217	0.12%	Pass	13%	Pass	ND	Pass	21%	Pass	ND	Pass

## Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW407-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

### Benzene Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	M2600024.d	C71608	Cal	0.868		0.868	-2.1%	-6.9%		Pass	
2025FW407 Method Blank-1	M2600025.d	B52762	Blank			0.868			2.4%	Pass	ND
M325B CCV 5	M2600036.d	C71521	Check	0.871		0.868	-1.7%		-2.9%	Pass	
M325B CCV 5 REC	M2600042.d	C01832	Check	0.951		0.868	7.2%		-4.1%	Pass	

### Toluene Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	M2600024.d	C71608	Cal	1.028		1.028	-3.7%	-8.1%		Pass	
2025FW407 Method Blank-1	M2600025.d	B52762	Blank			1.028			2.0%	Pass	J
M325B CCV 5	M2600036.d	C71521	Check	1.022		1.028	-4.2%		-2.5%	Pass	
M325B CCV 5 REC	M2600042.d	C01832	Check	1.161		1.028	8.8%		-2.0%	Pass	

### Ethylbenzene Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	M2600024.d	C71608	Cal	1.194		1.194	-2.8%	-8.1%		Pass	
2025FW407 Method Blank-1	M2600025.d	B52762	Blank			1.194			2.0%	Pass	ND
M325B CCV 5	M2600036.d	C71521	Check	1.205		1.194	-1.9%		-2.5%	Pass	
M325B CCV 5 REC	M2600042.d	C01832	Check	1.185		1.194	-3.5%		-2.0%	Pass	

### m-/p-Xylenes Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	M2600024.d	C71608	Cal	1.034		1.034	2.3%	-8.1%		Pass	
2025FW407 Method Blank-1	M2600025.d	B52762	Blank			1.034			2.0%	Pass	ND
M325B CCV 5	M2600036.d	C71521	Check	1.037		1.034	2.6%		-2.5%	Pass	
M325B CCV 5 REC	M2600042.d	C01832	Check	0.962		1.034	-4.8%		-2.0%	Pass	

### o-Xylene Calibration and Blanks

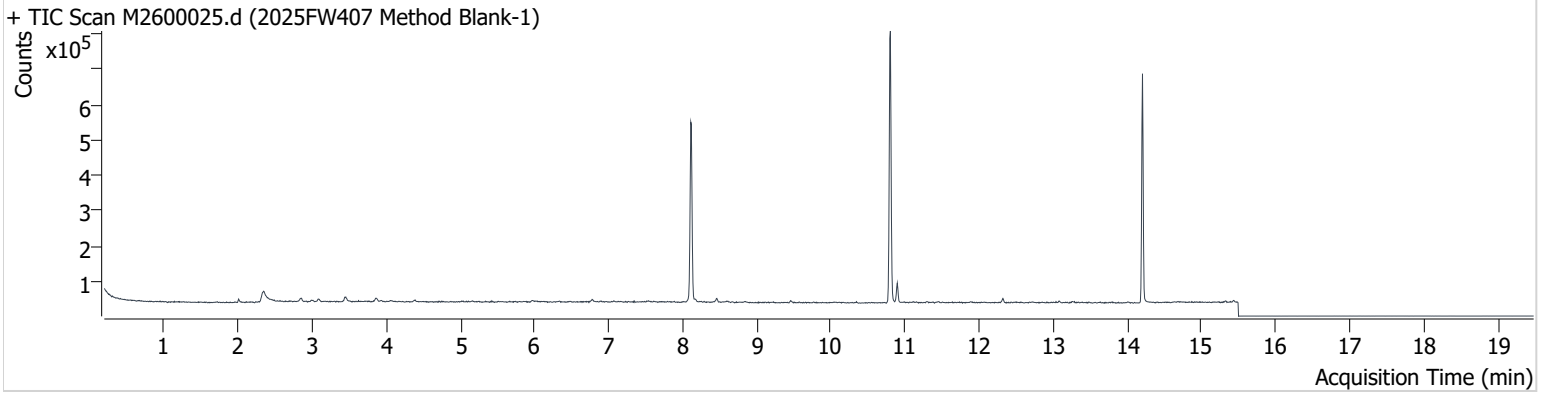
Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	M2600024.d	C71608	Cal	1.000		1.000	0.89%	-8.1%		Pass	
2025FW407 Method Blank-1	M2600025.d	B52762	Blank			1.000			2.0%	Pass	ND
M325B CCV 5	M2600036.d	C71521	Check	0.999		1.000	0.78%		-2.5%	Pass	
M325B CCV 5 REC	M2600042.d	C01832	Check	0.978		1.000	-1.3%		-2.0%	Pass	

# Chromatograms



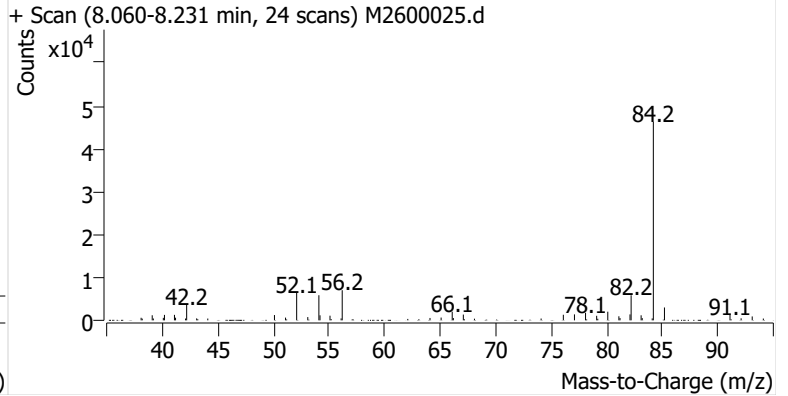
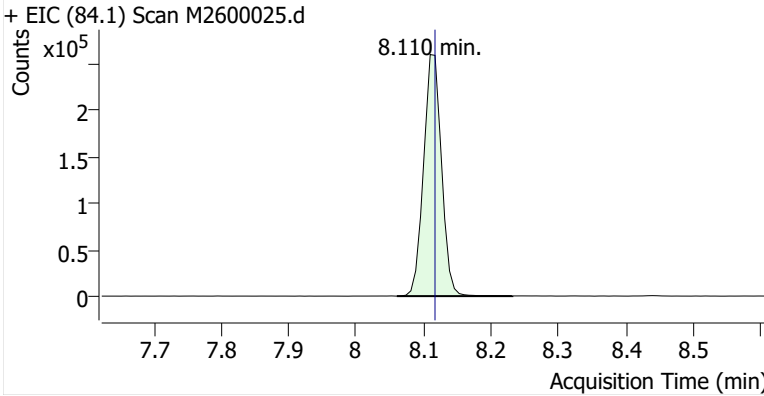
**Name** 2025FW407 Method Blank-1  
**Comment** B52762  
**Data File** M2600025.d  
**Acq. Date-Time** 1/5/2026 2:44:16 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

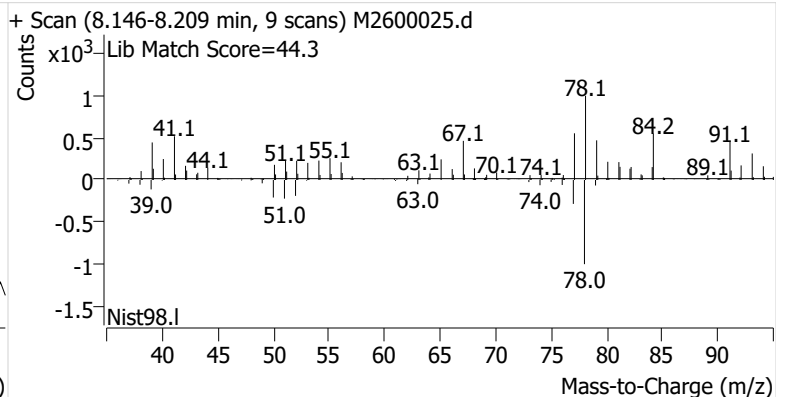
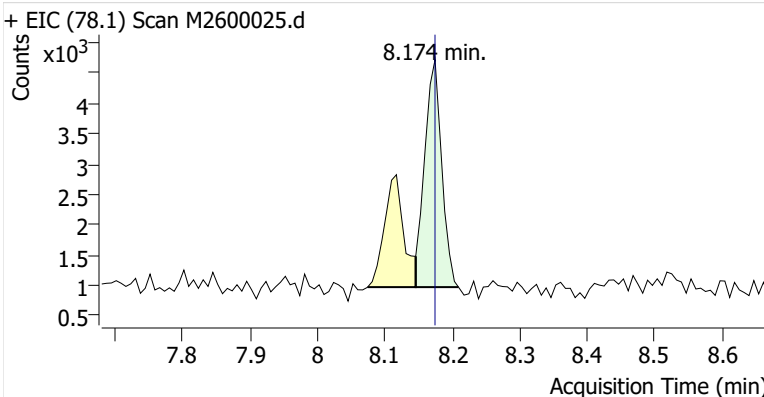


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.110	8.117	480,369	
Benzene	Benzene-d6 (IS)	8.174	8.174	6,558	
Toluene-d8 (IS)		10.803	10.803	499,718	
Toluene	Toluene-d8 (IS)	10.896	10.896	34,965	
Ethylbenzene	Toluene-d8 (IS)	13.081	13.081	2,800	
m-/p-Xylenes	Toluene-d8 (IS)	13.260	13.260	1,926	
o-Xylene	Toluene-d8 (IS)	13.754	13.754	934	

**Benzene-d6 (IS)**

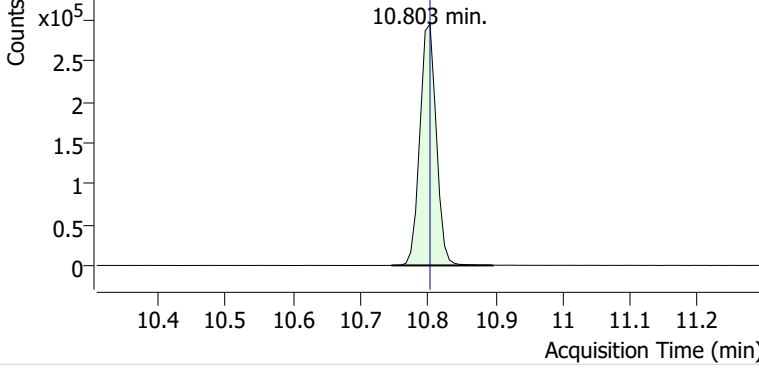


**Benzene**

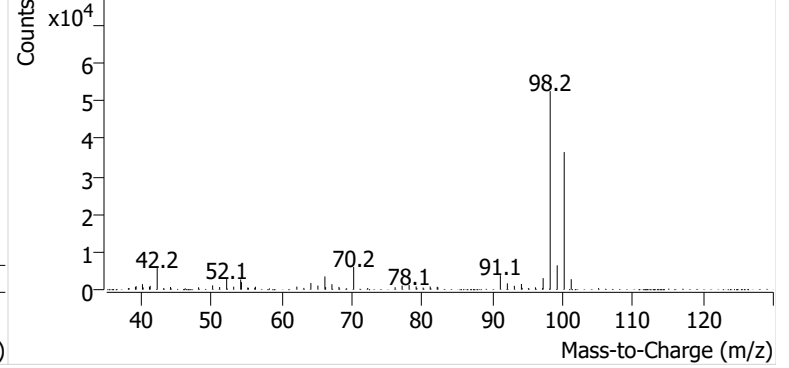


**Toluene-d8 (IS)**

+ EIC (98.1) Scan M2600025.d

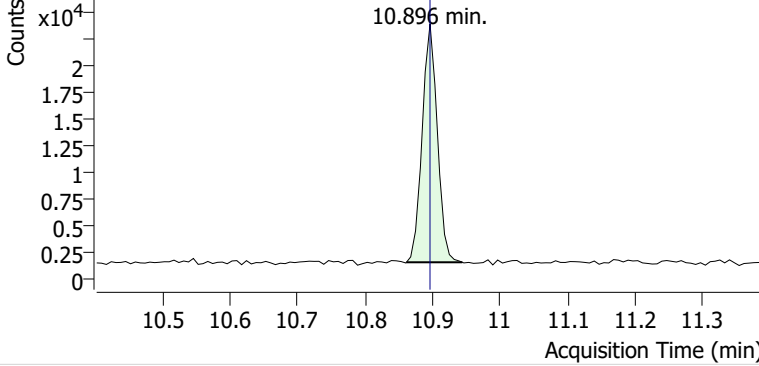


+ Scan (10.746-10.896 min, 22 scans) M2600025.d

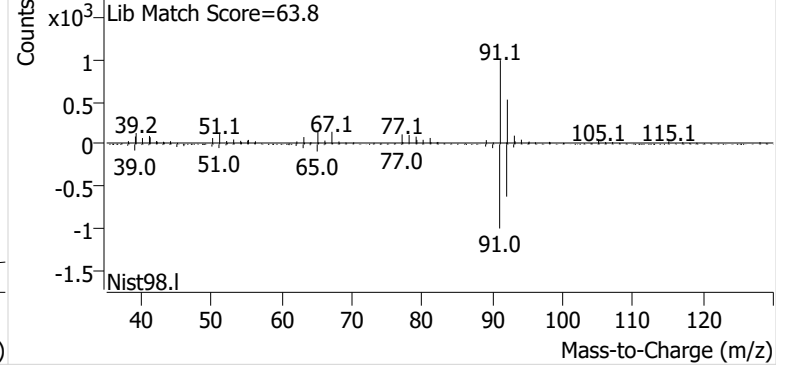


**Toluene**

+ EIC (91.1) Scan M2600025.d

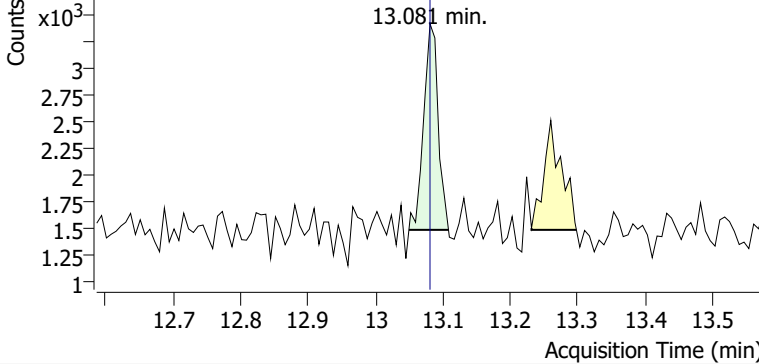


+ Scan (10.861-10.944 min, 11 scans) M2600025.d

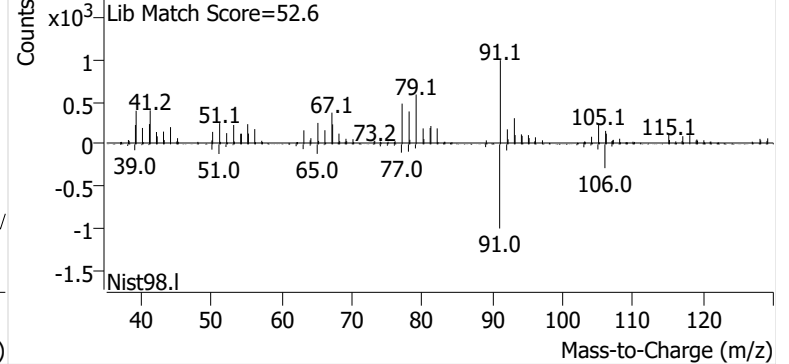


**Ethylbenzene**

+ EIC (91.1) Scan M2600025.d

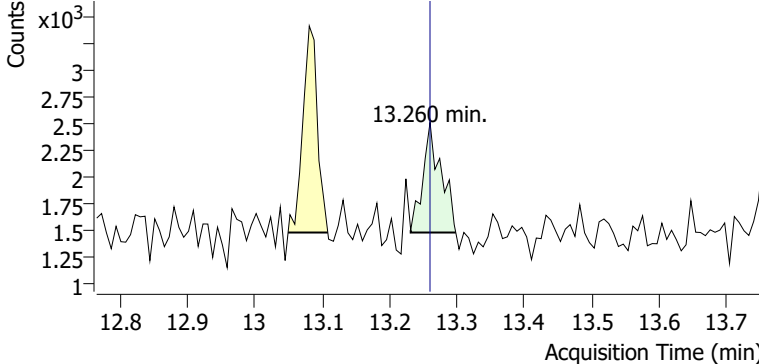


+ Scan (13.050-13.108 min, 8 scans) M2600025.d

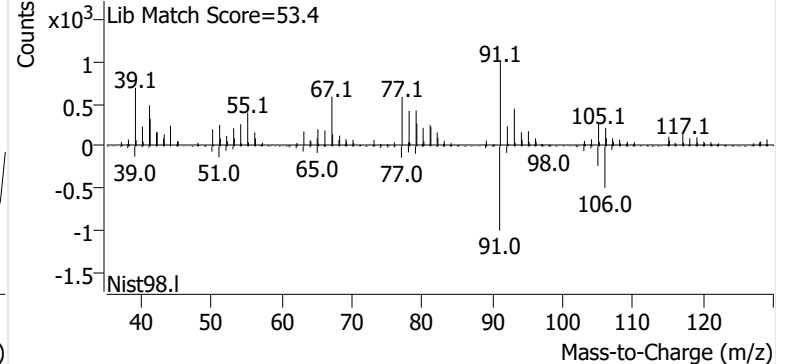


**m-/p-Xylenes**

+ EIC (91.1) Scan M2600025.d

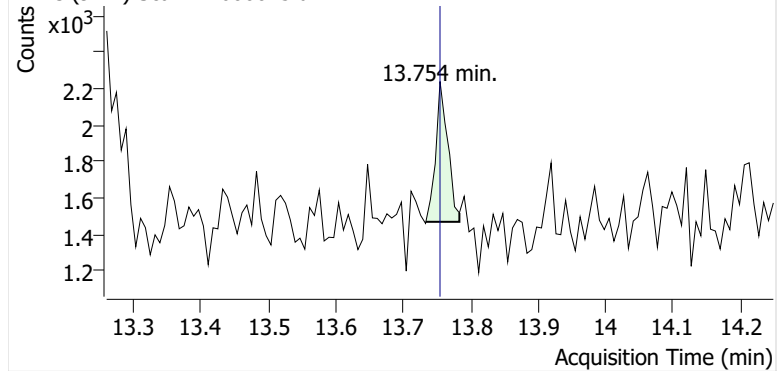


+ Scan (13.231-13.298 min, 10 scans) M2600025.d

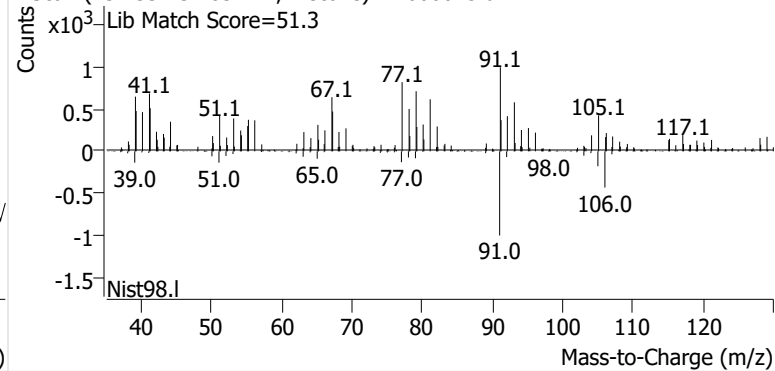


**o-Xylene**

+ EIC (91.1) Scan M2600025.d

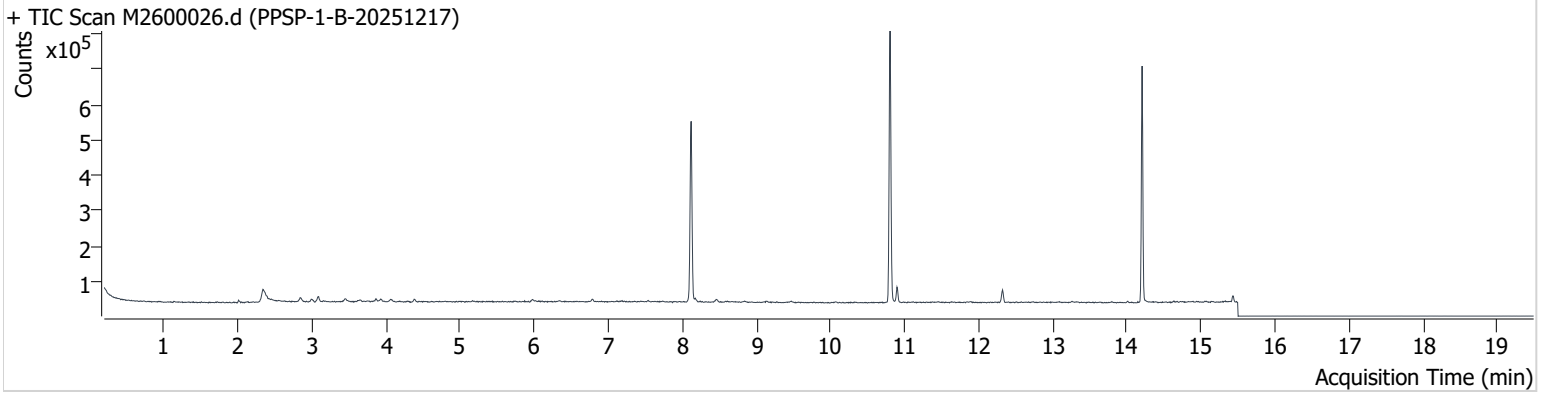


+ Scan (13.733-13.783 min, 7 scans) M2600025.d



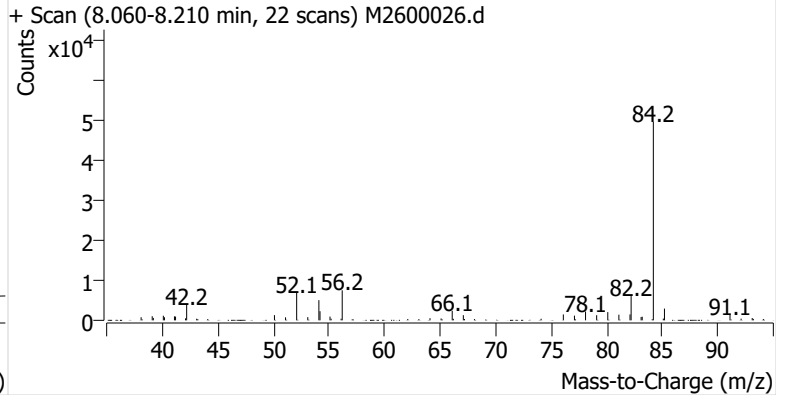
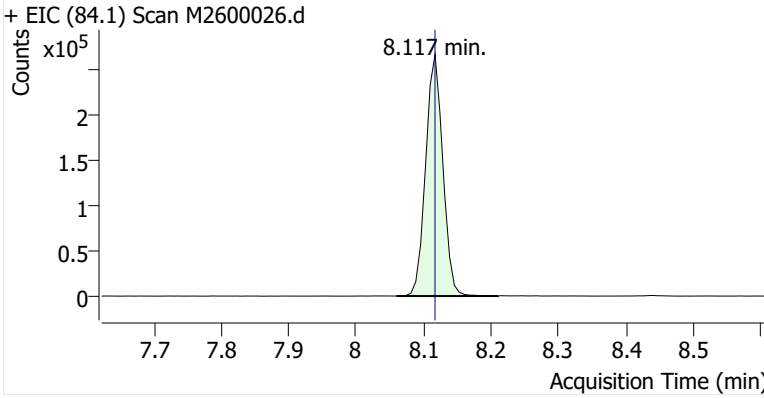
**Name** PPSP-1-B-20251217  
**Comment** C43380  
**Data File** M2600026.d  
**Acq. Date-Time** 1/5/2026 3:09:42 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

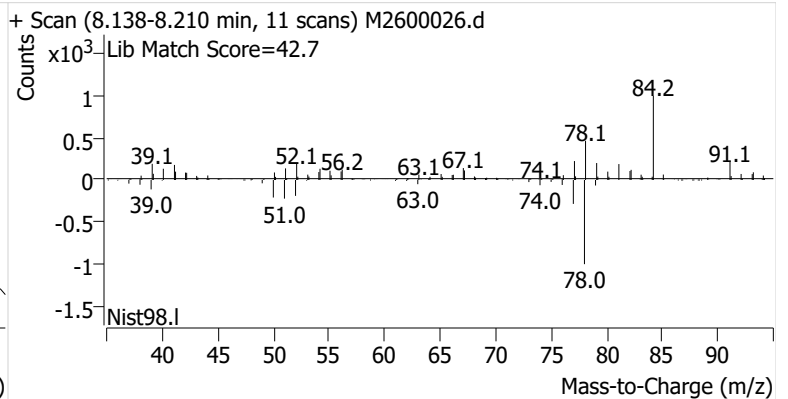
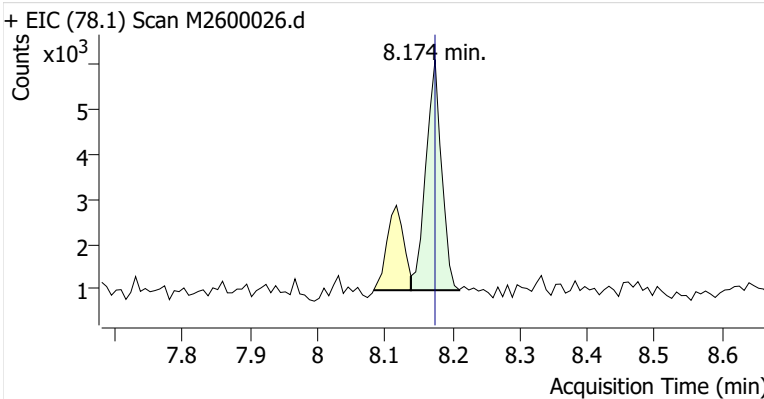


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.117	8.117	469,971	
Benzene	Benzene-d6 (IS)	8.174	8.174	8,247	
Toluene-d8 (IS)		10.803	10.803	488,513	
Toluene	Toluene-d8 (IS)	10.896	10.896	27,834	
Ethylbenzene	Toluene-d8 (IS)	13.074	13.081	1,068	
m-/p-Xylenes	Toluene-d8 (IS)	13.260	13.260	1,497	
o-Xylene	Toluene-d8 (IS)	13.747	13.754	624	

**Benzene-d6 (IS)**

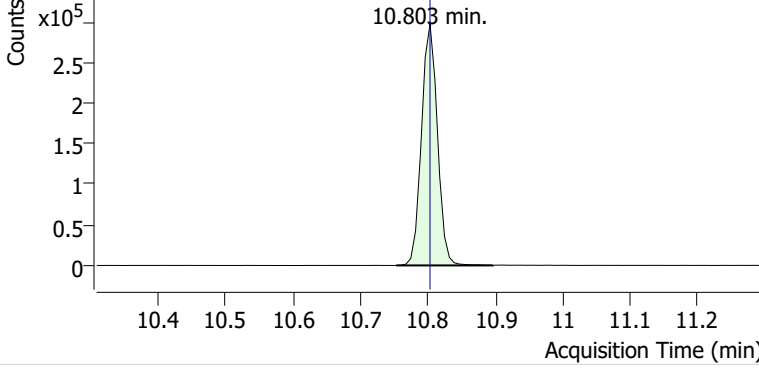


**Benzene**

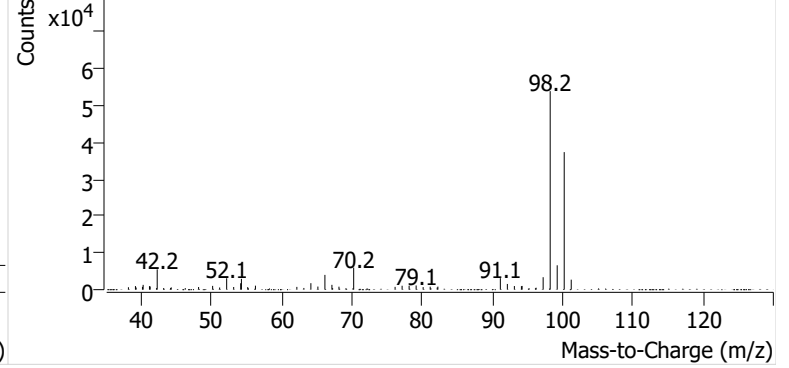


**Toluene-d8 (IS)**

+ EIC (98.1) Scan M2600026.d

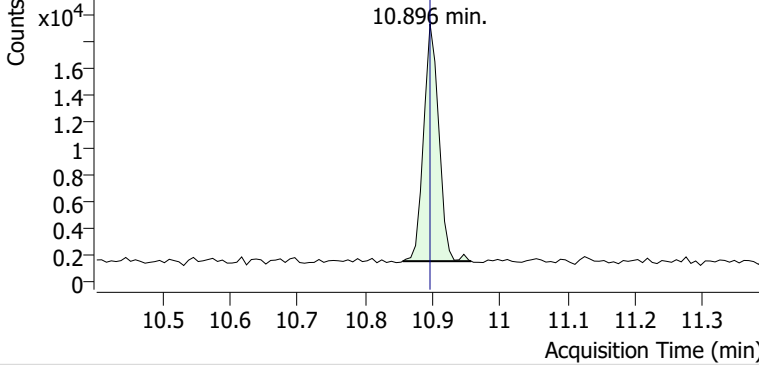


+ Scan (10.753-10.896 min, 21 scans) M2600026.d

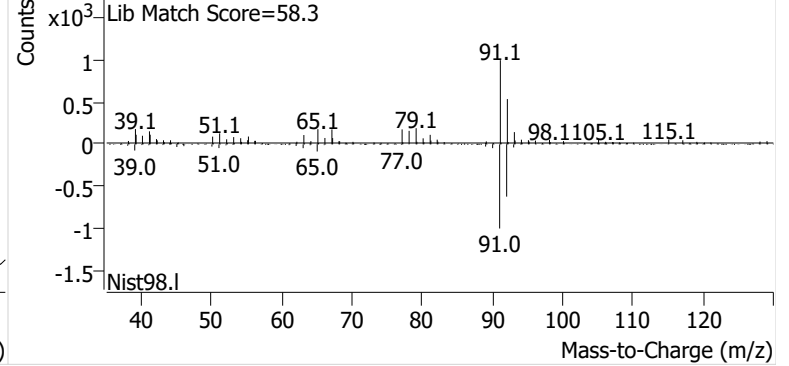


**Toluene**

+ EIC (91.1) Scan M2600026.d

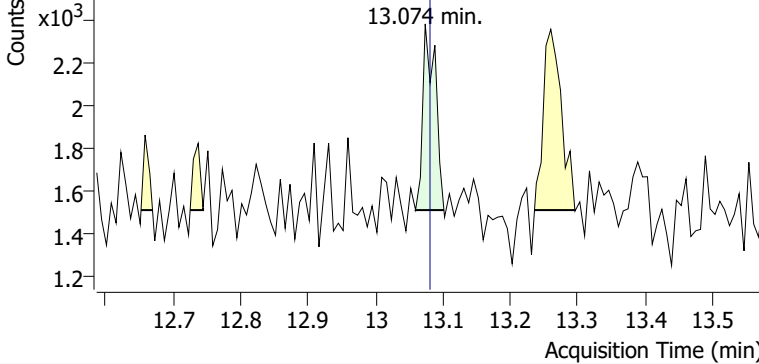


+ Scan (10.856-10.957 min, 14 scans) M2600026.d

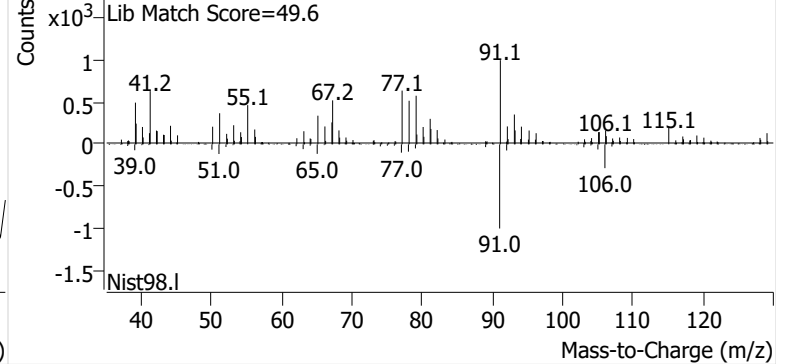


**Ethylbenzene**

+ EIC (91.1) Scan M2600026.d

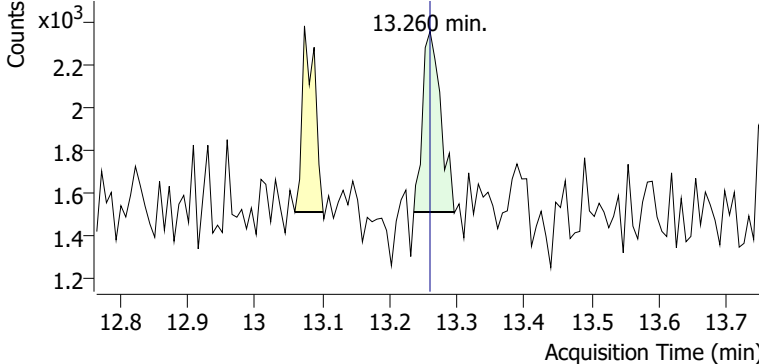


+ Scan (13.059-13.102 min, 6 scans) M2600026.d

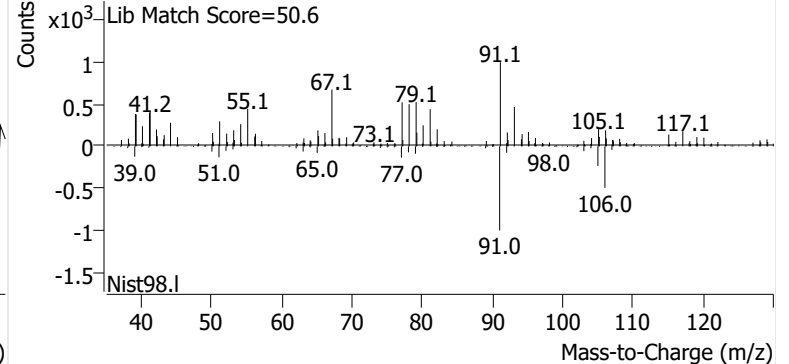


**m-/p-Xylenes**

+ EIC (91.1) Scan M2600026.d

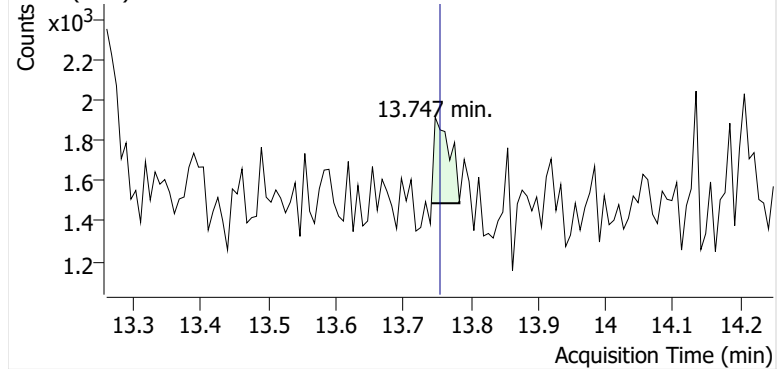


+ Scan (13.236-13.296 min, 8 scans) M2600026.d

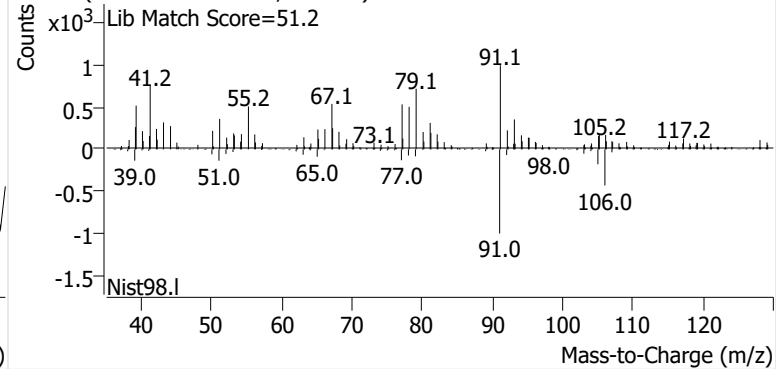


**o-Xylene**

+ EIC (91.1) Scan M2600026.d

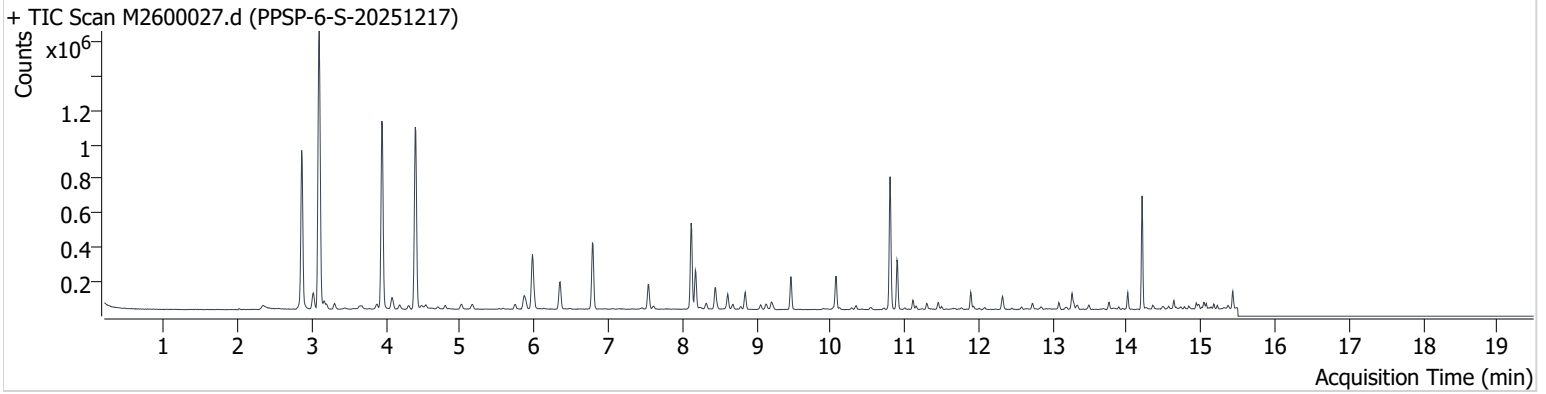


+ Scan (13.741-13.783 min, 6 scans) M2600026.d



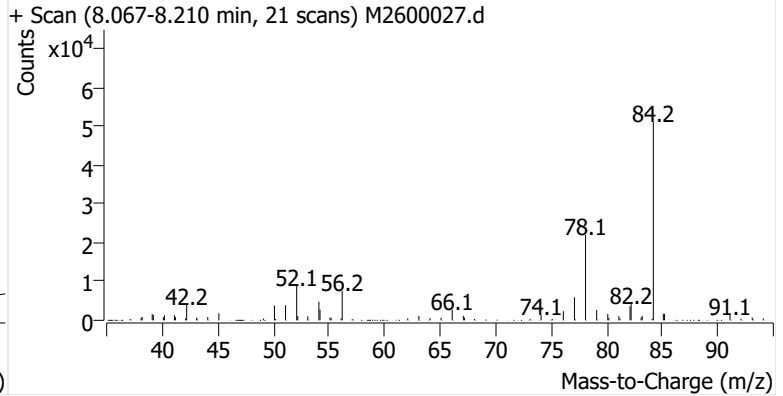
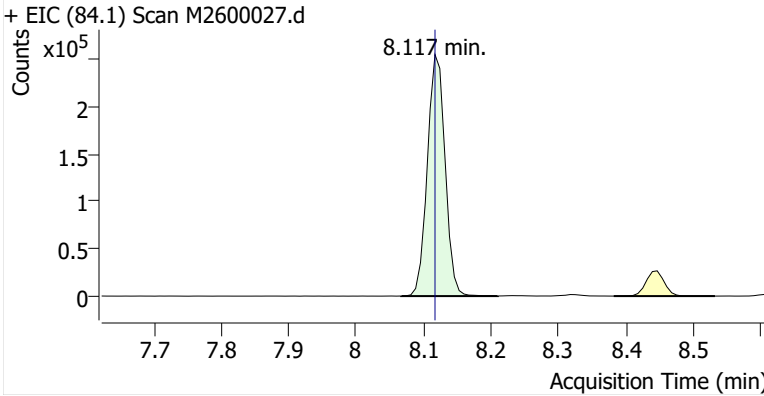
**Name** PPSP-6-S-20251217  
**Comment** C69650  
**Data File** M2600027.d  
**Acq. Date-Time** 1/5/2026 3:35:03 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

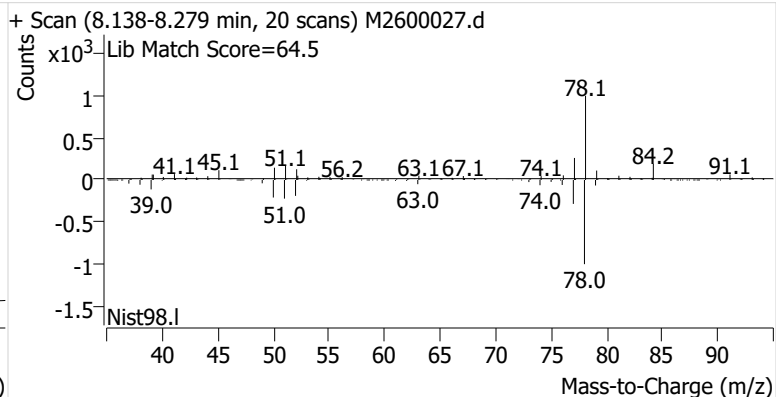
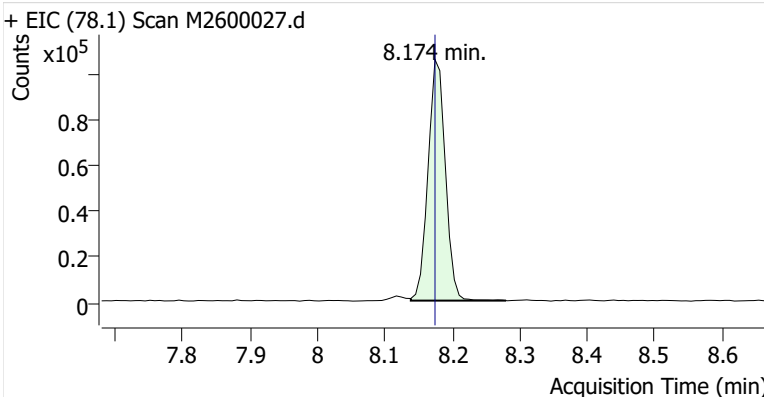


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.117	8.117	465,483	
Benzene	Benzene-d6 (IS)	8.174	8.174	188,669	
Toluene-d8 (IS)		10.803	10.803	484,606	
Toluene	Toluene-d8 (IS)	10.896	10.896	192,166	
Ethylbenzene	Toluene-d8 (IS)	13.081	13.081	24,131	
m-/p-Xylenes	Toluene-d8 (IS)	13.260	13.260	64,273	
o-Xylene	Toluene-d8 (IS)	13.754	13.754	22,545	

**Benzene-d6 (IS)**

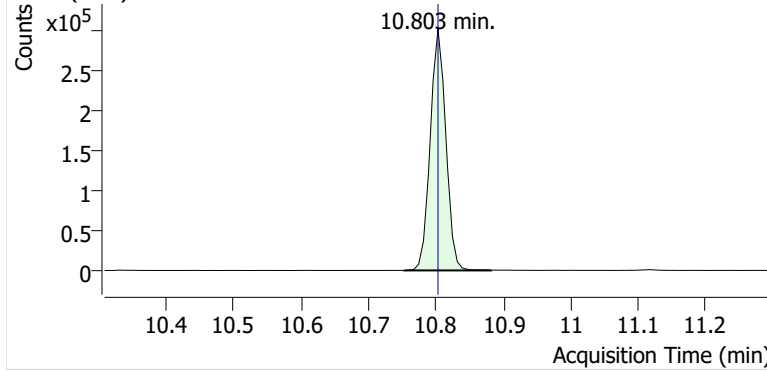


**Benzene**

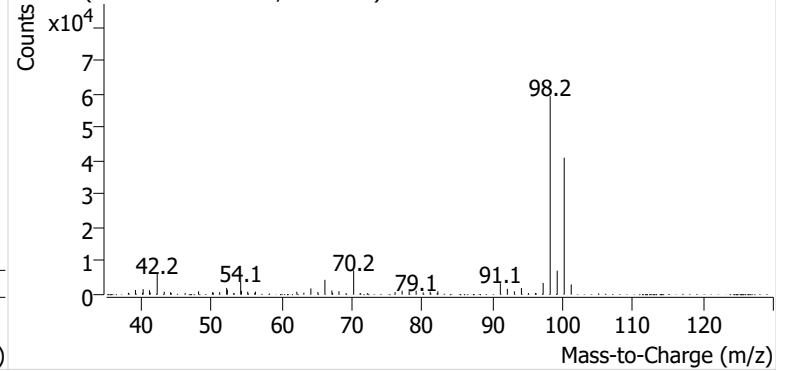


**Toluene-d8 (IS)**

+ EIC (98.1) Scan M2600027.d

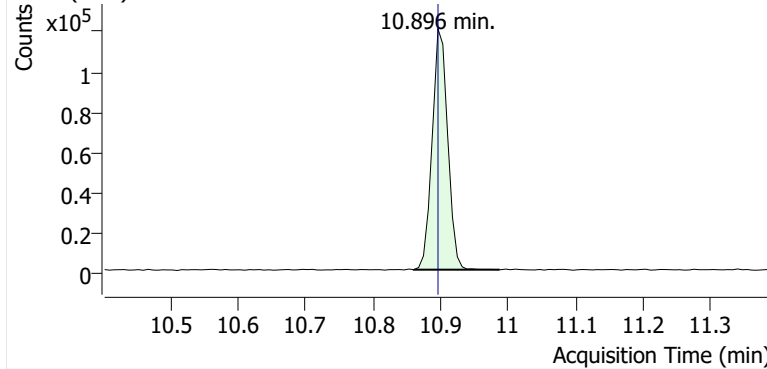


+ Scan (10.753-10.882 min, 19 scans) M2600027.d

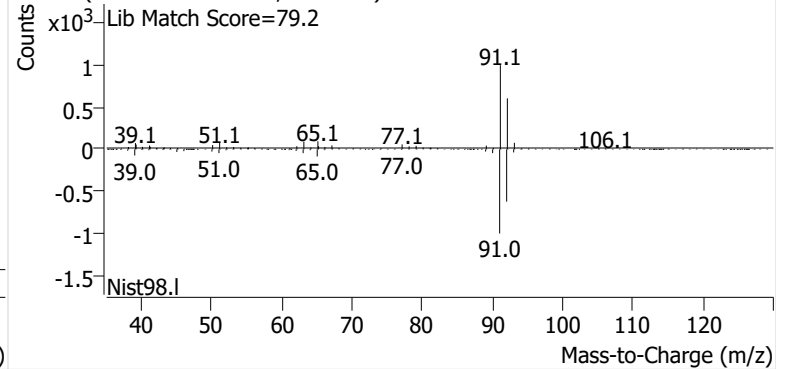


**Toluene**

+ EIC (91.1) Scan M2600027.d

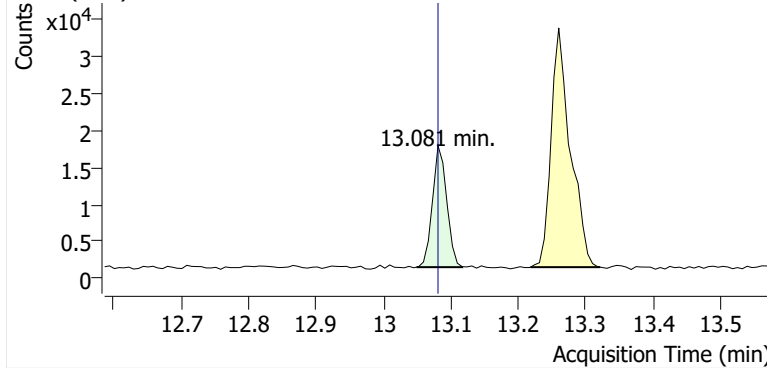


+ Scan (10.860-10.987 min, 18 scans) M2600027.d

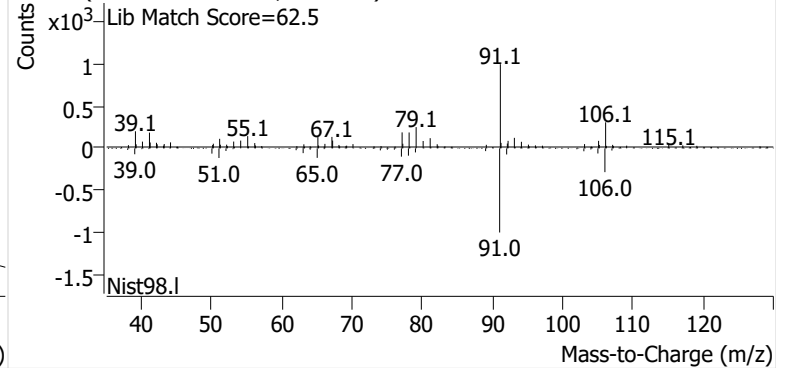


**Ethylbenzene**

+ EIC (91.1) Scan M2600027.d

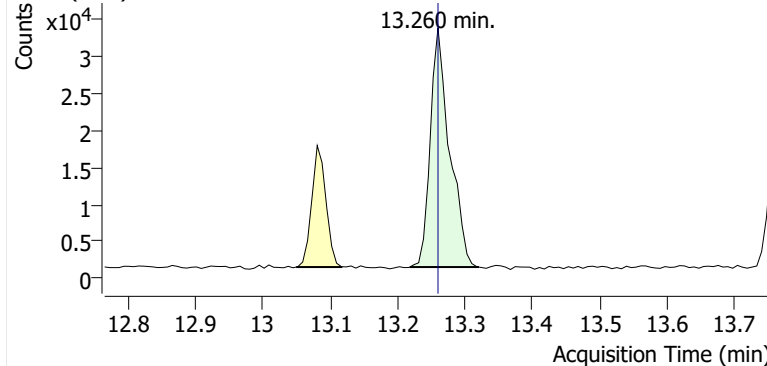


+ Scan (13.049-13.117 min, 10 scans) M2600027.d

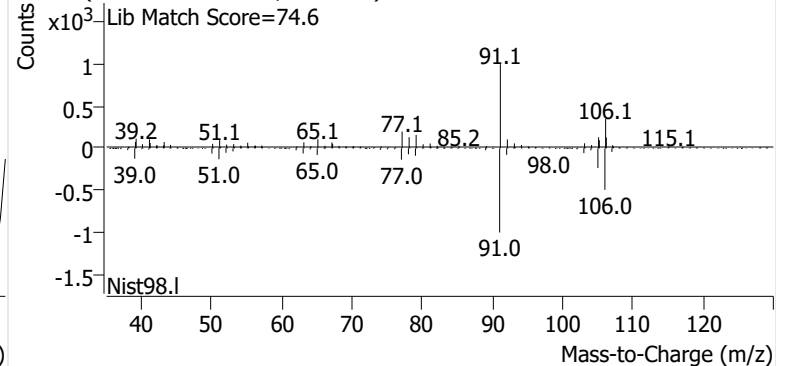


**m-/p-Xylenes**

+ EIC (91.1) Scan M2600027.d

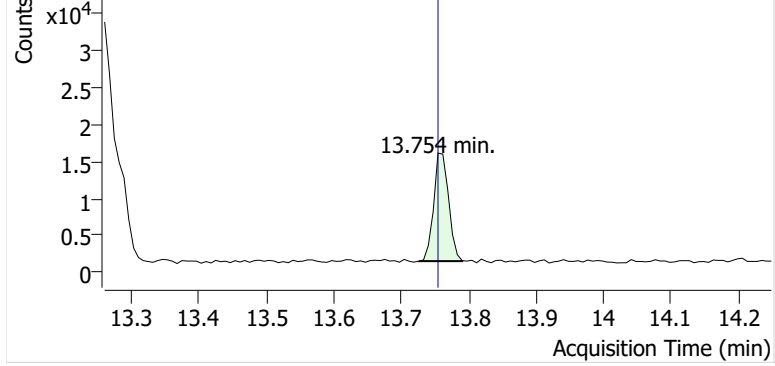


+ Scan (13.218-13.321 min, 14 scans) M2600027.d

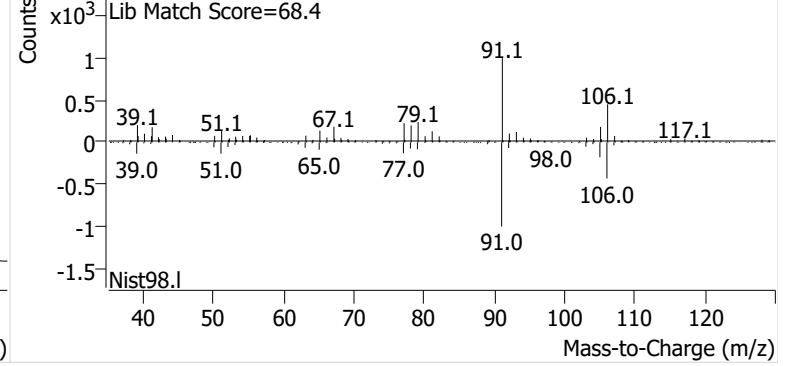


**o-Xylene**

+ EIC (91.1) Scan M2600027.d

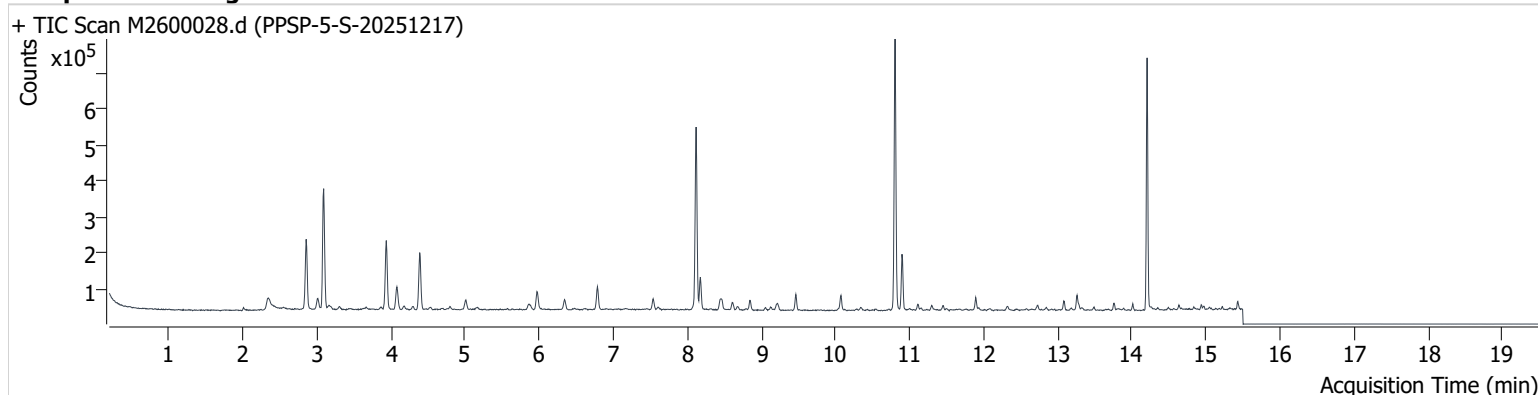


+ Scan (13.726-13.790 min, 10 scans) M2600027.d



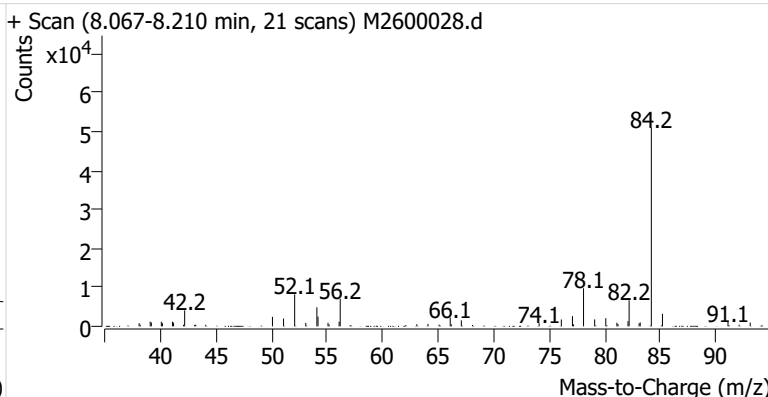
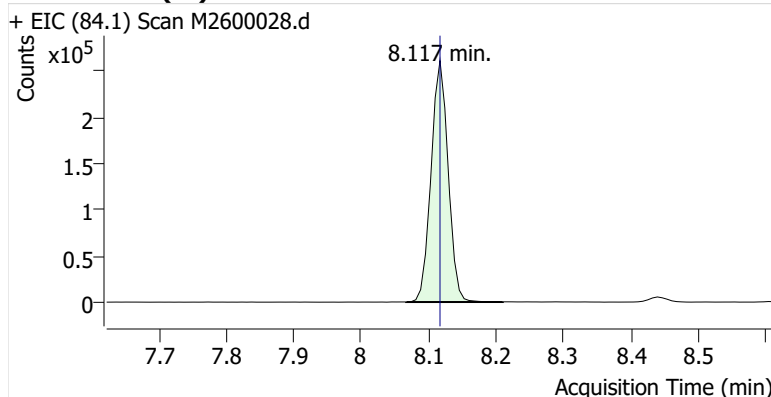
**Name** PPSP-5-S-20251217  
**Comment** C00627  
**Data File** M2600028.d  
**Acq. Date-Time** 1/5/2026 4:00:29 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carboxpack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

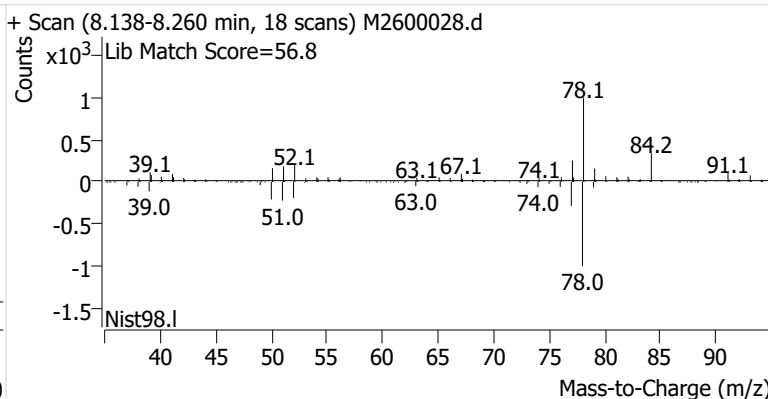
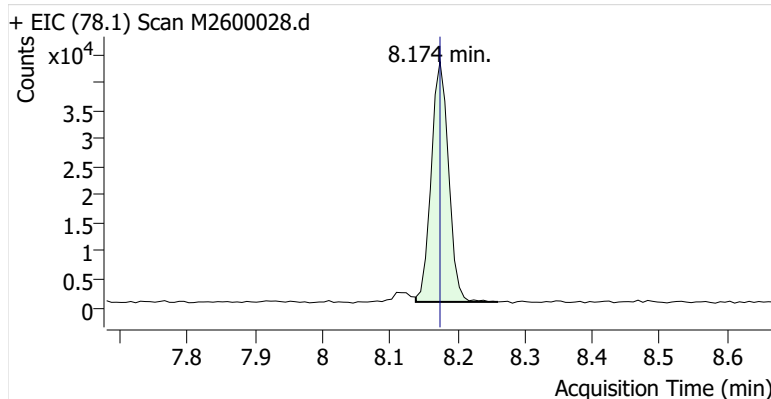


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.117	8.117	459,285	
Benzene	Benzene-d6 (IS)	8.174	8.174	76,575	
Toluene-d8 (IS)		10.803	10.803	469,568	
Toluene	Toluene-d8 (IS)	10.896	10.896	102,071	
Ethylbenzene	Toluene-d8 (IS)	13.081	13.081	16,399	
m-/p-Xylenes	Toluene-d8 (IS)	13.260	13.260	28,732	
o-Xylene	Toluene-d8 (IS)	13.761	13.754	11,249	

**Benzene-d6 (IS)**

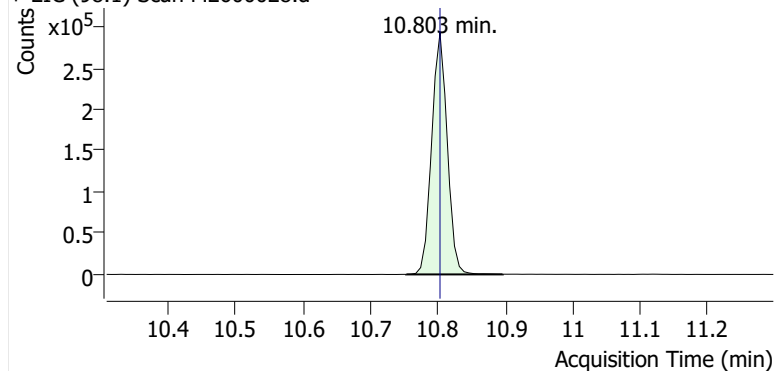


**Benzene**

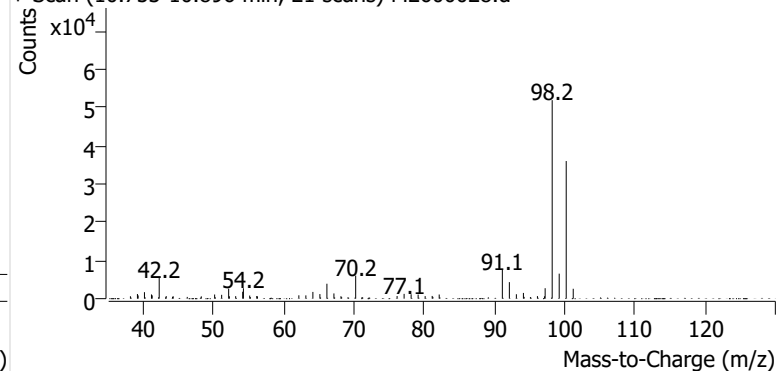


**Toluene-d8 (IS)**

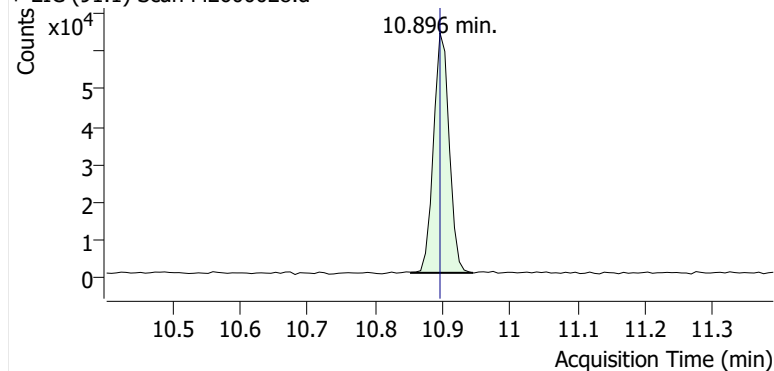
+ EIC (98.1) Scan M2600028.d



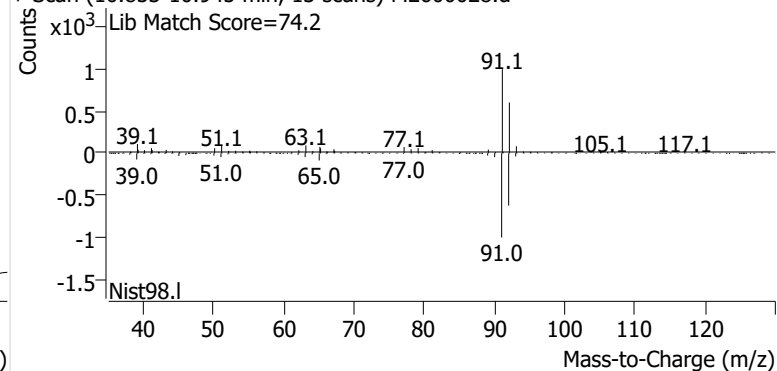
+ Scan (10.753-10.896 min, 21 scans) M2600028.d

**Toluene**

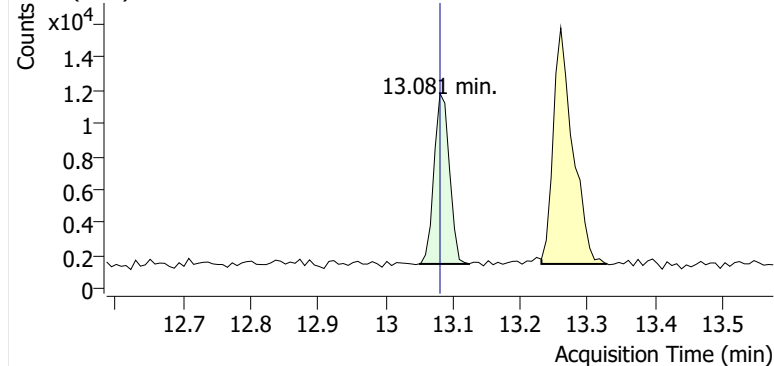
+ EIC (91.1) Scan M2600028.d



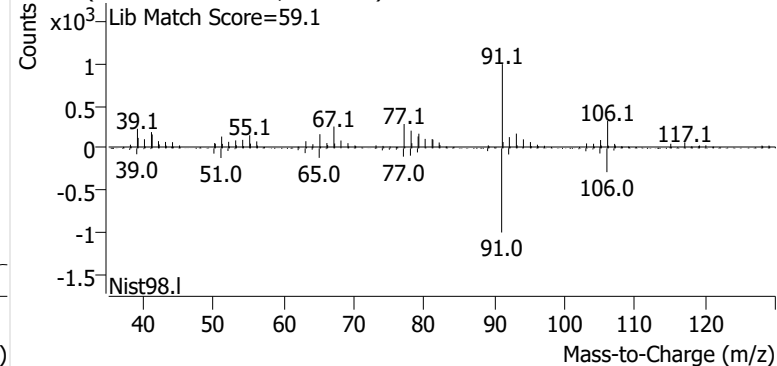
+ Scan (10.853-10.945 min, 13 scans) M2600028.d

**Ethylbenzene**

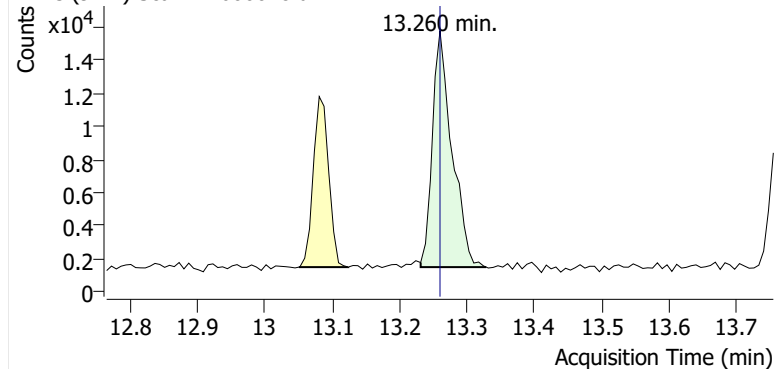
+ EIC (91.1) Scan M2600028.d



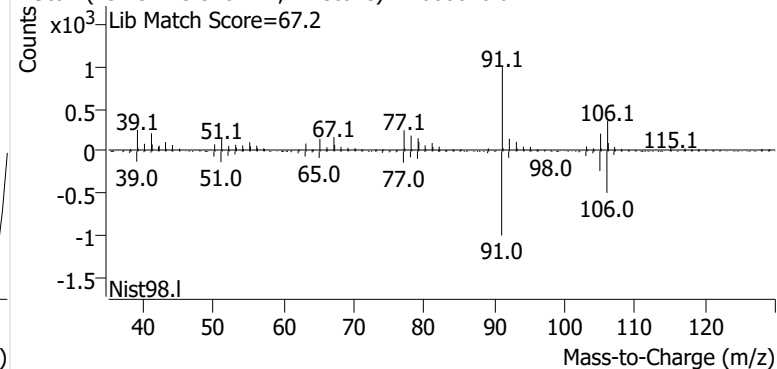
+ Scan (13.050-13.124 min, 11 scans) M2600028.d

**m-/p-Xylenes**

+ EIC (91.1) Scan M2600028.d

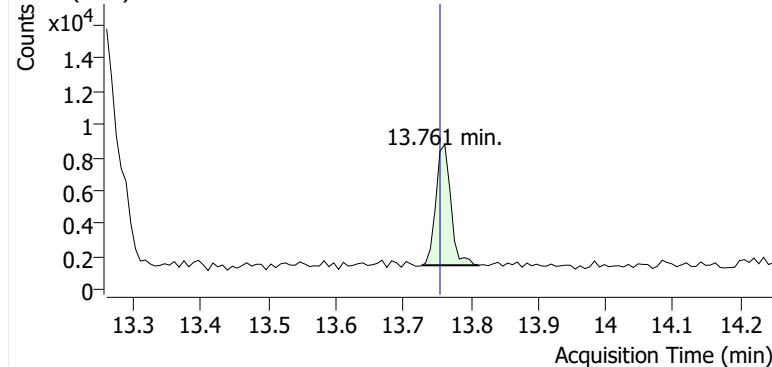


+ Scan (13.231-13.328 min, 14 scans) M2600028.d

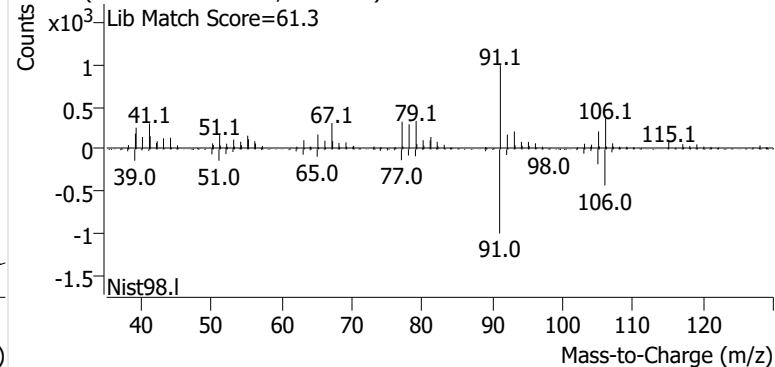


**o-Xylene**

+ EIC (91.1) Scan M2600028.d

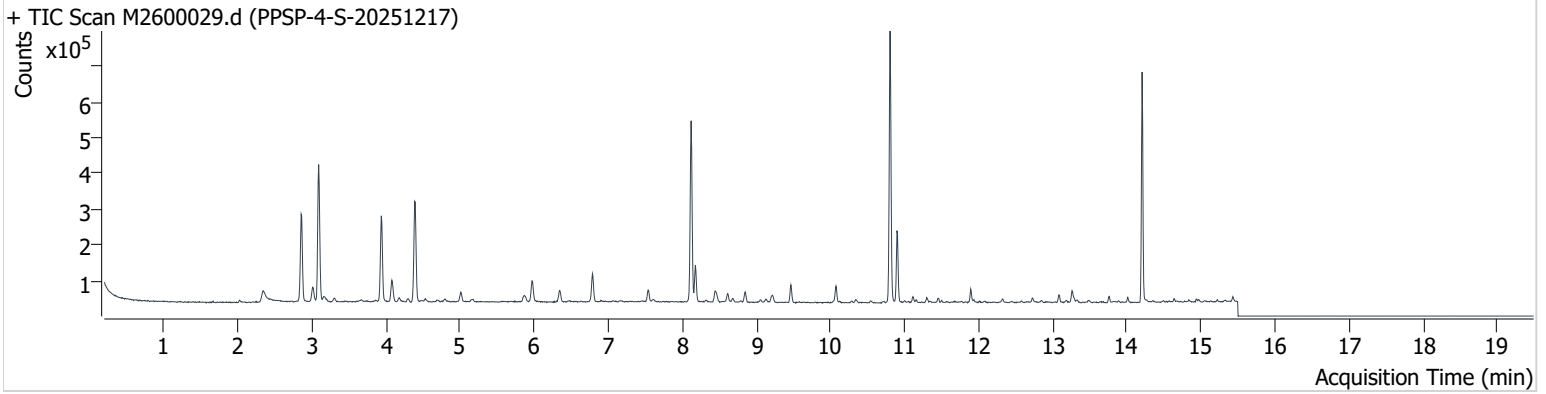


+ Scan (13.727-13.811 min, 12 scans) M2600028.d



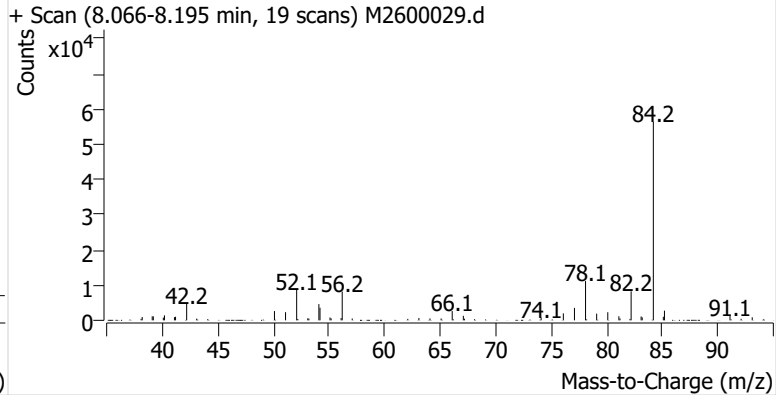
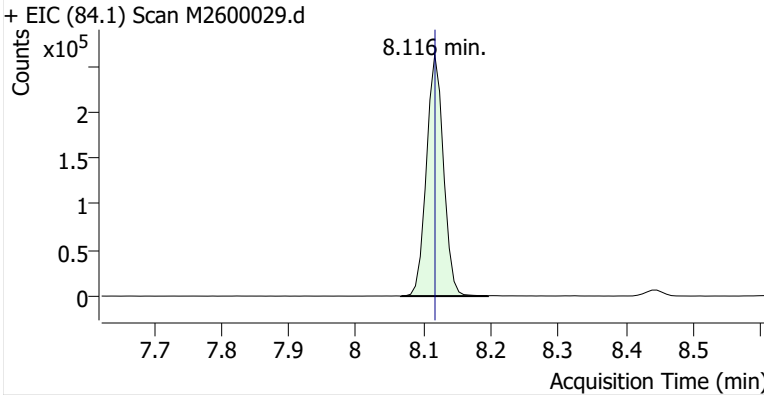
**Name** PPSP-4-S-20251217  
**Comment** C20432  
**Data File** M2600029.d  
**Acq. Date-Time** 1/5/2026 4:25:50 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

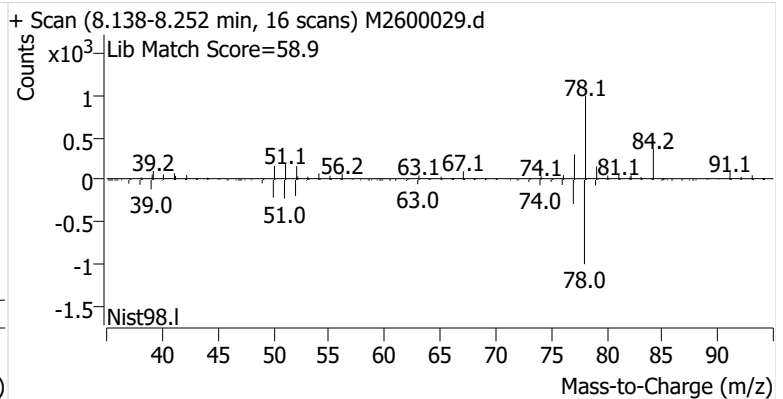
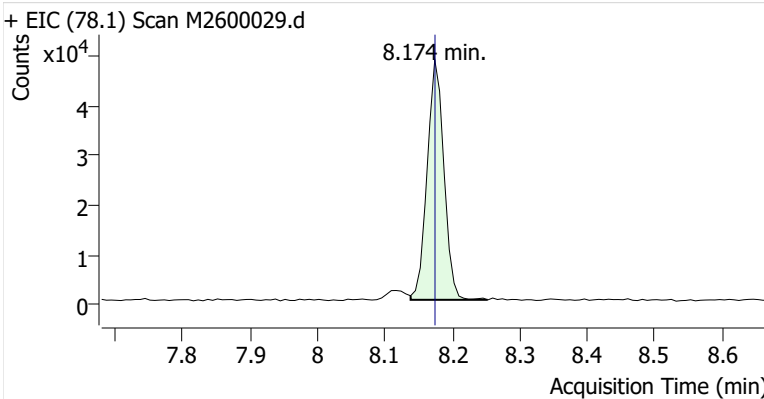


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.116	8.117	460,855	
Benzene	Benzene-d6 (IS)	8.174	8.174	83,697	
Toluene-d8 (IS)		10.803	10.803	470,130	
Toluene	Toluene-d8 (IS)	10.896	10.896	133,324	
Ethylbenzene	Toluene-d8 (IS)	13.081	13.081	13,806	
m-/p-Xylenes	Toluene-d8 (IS)	13.260	13.260	24,435	
o-Xylene	Toluene-d8 (IS)	13.754	13.754	9,214	

**Benzene-d6 (IS)**

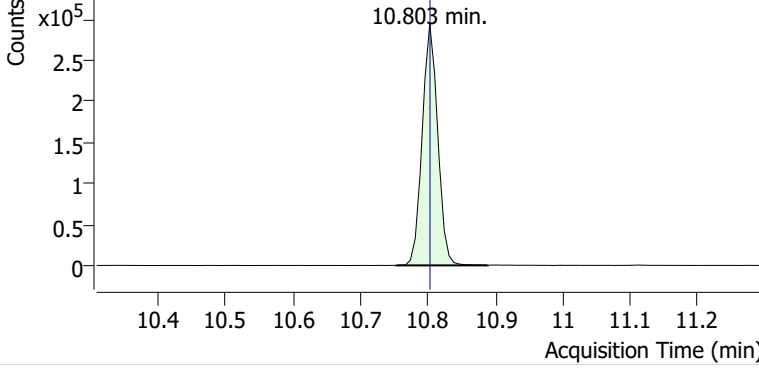


**Benzene**

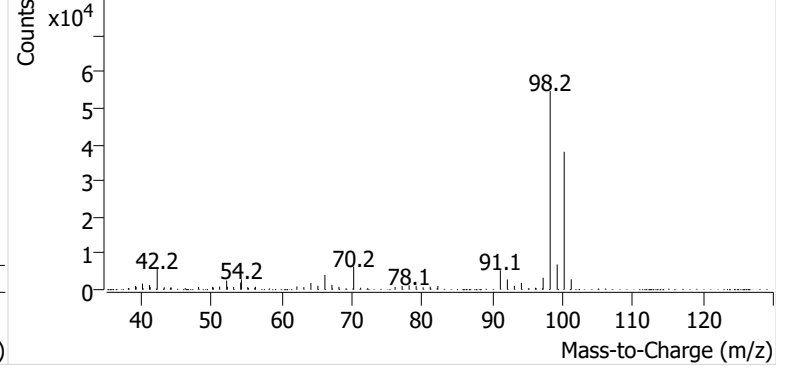


**Toluene-d8 (IS)**

+ EIC (98.1) Scan M2600029.d

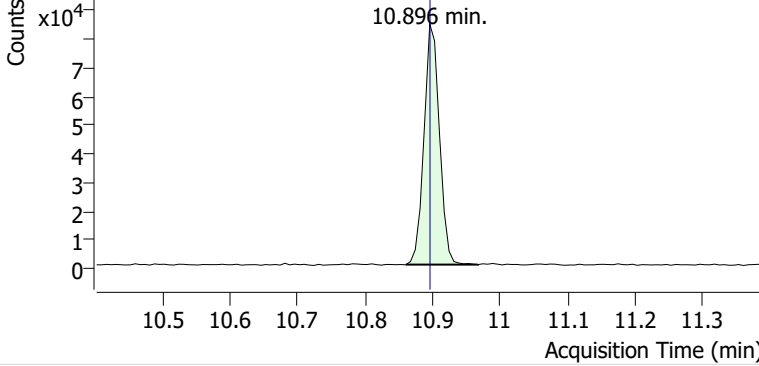


+ Scan (10.752-10.889 min, 20 scans) M2600029.d

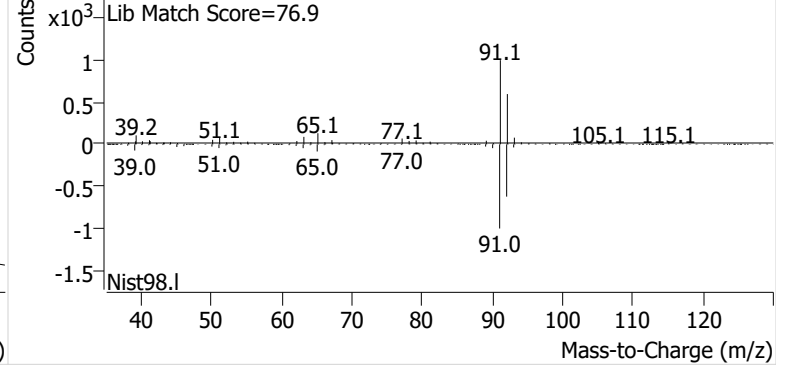


**Toluene**

+ EIC (91.1) Scan M2600029.d

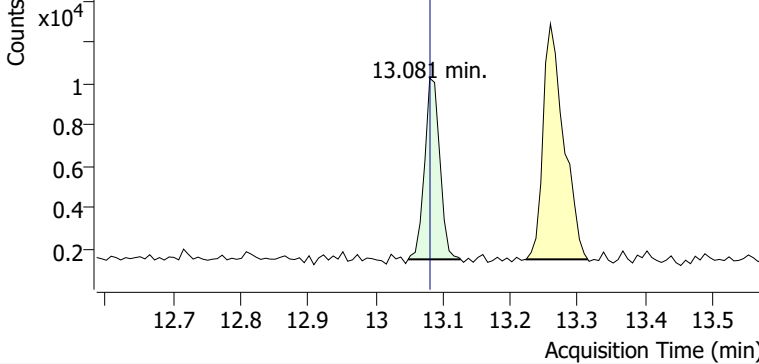


+ Scan (10.860-10.967 min, 15 scans) M2600029.d

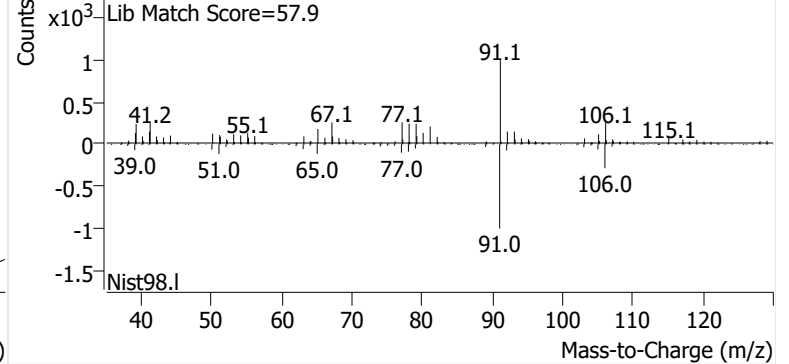


**Ethylbenzene**

+ EIC (91.1) Scan M2600029.d

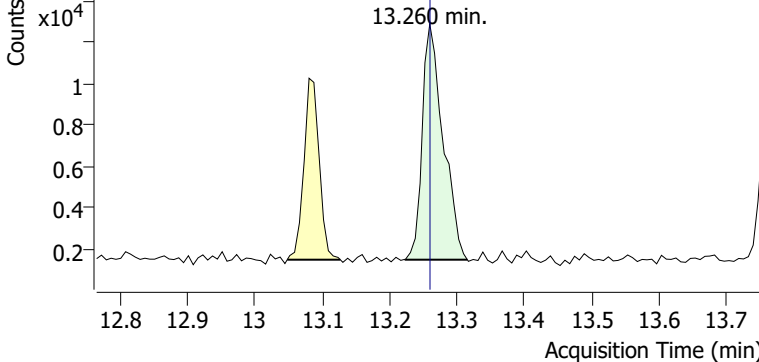


+ Scan (13.048-13.126 min, 11 scans) M2600029.d

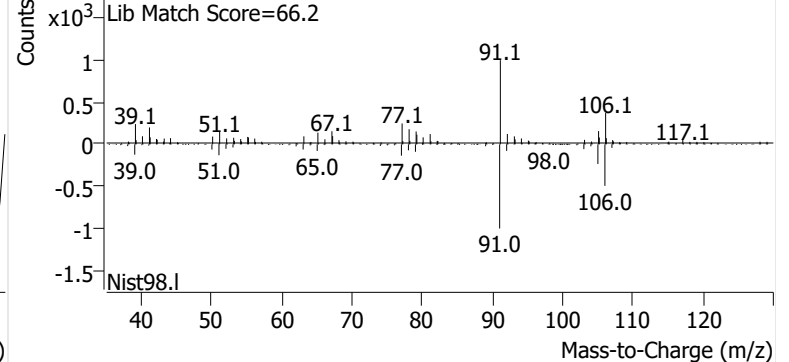


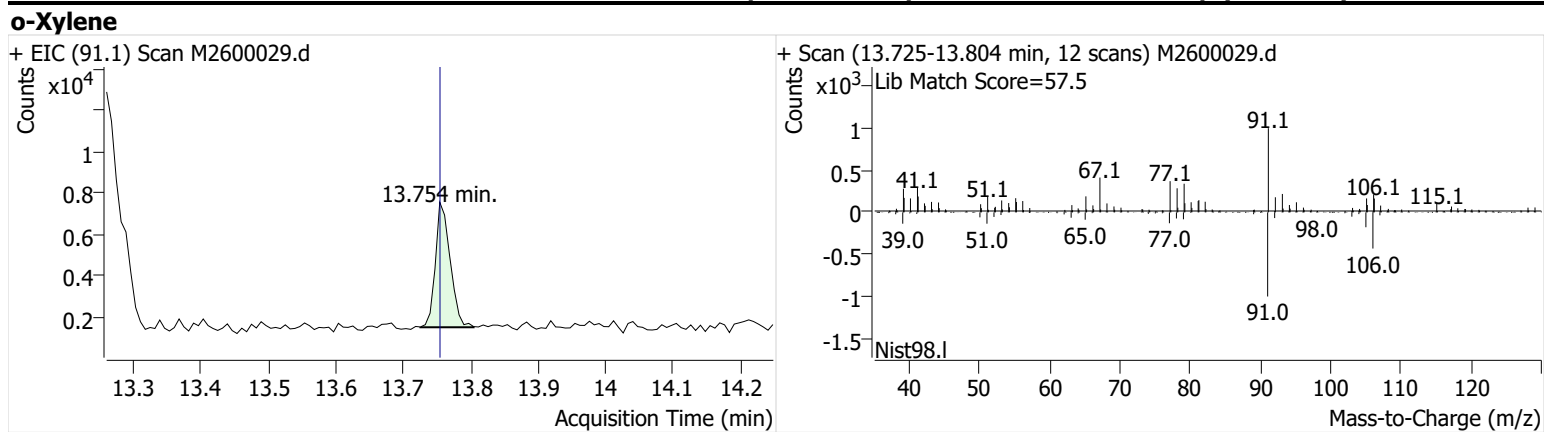
**m-/p-Xylenes**

+ EIC (91.1) Scan M2600029.d



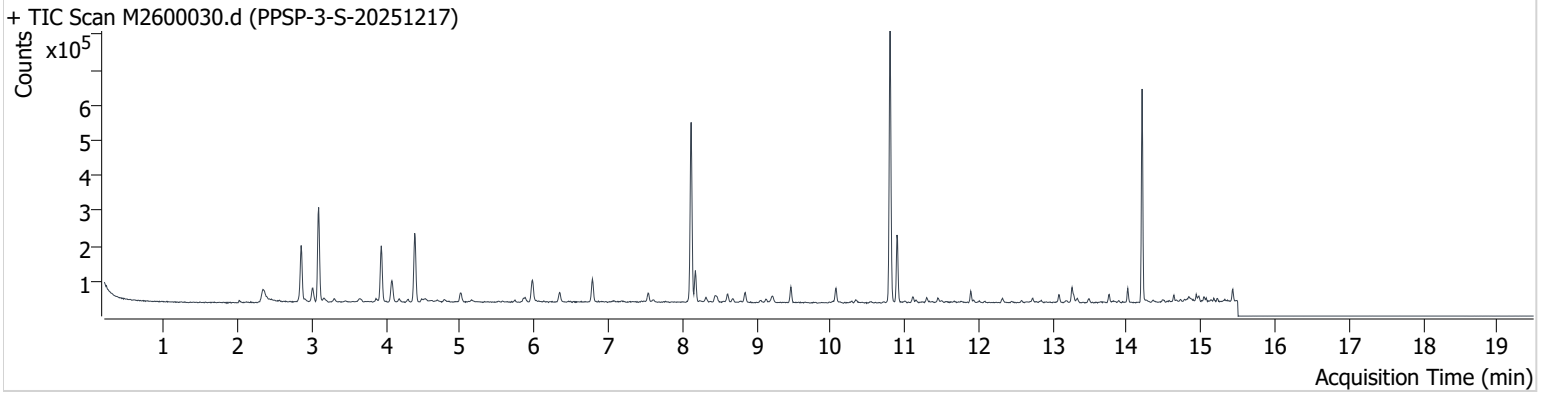
+ Scan (13.224-13.315 min, 13 scans) M2600029.d





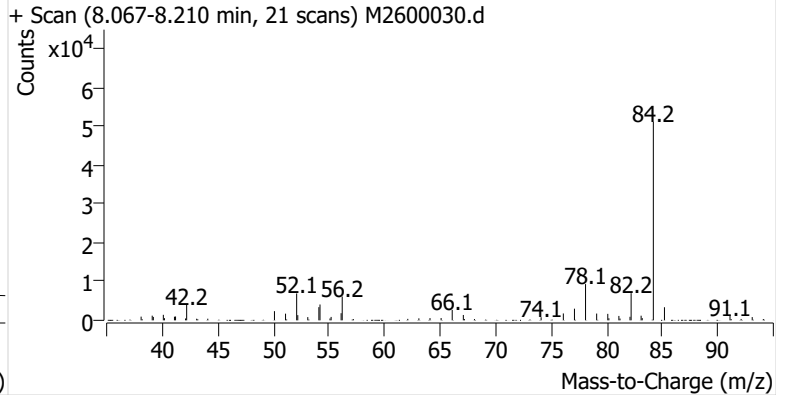
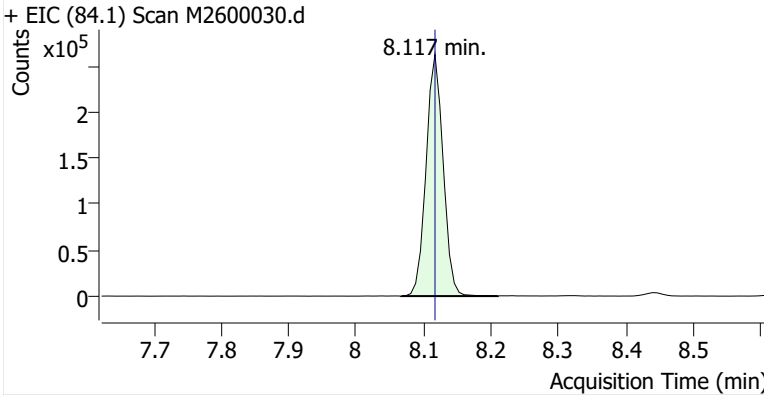
**Name** PPSP-3-S-20251217  
**Comment** C57479  
**Data File** M2600030.d  
**Acq. Date-Time** 1/5/2026 4:51:19 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carboxpack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

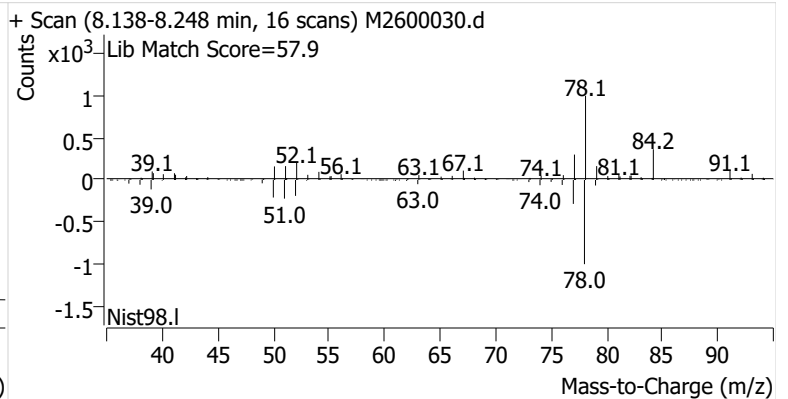
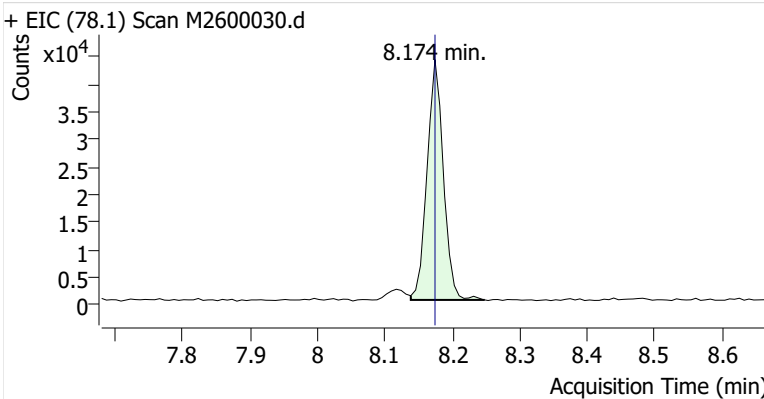


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.117	8.117	461,364	
Benzene	Benzene-d6 (IS)	8.174	8.174	73,126	
Toluene-d8 (IS)		10.803	10.803	484,444	
Toluene	Toluene-d8 (IS)	10.896	10.896	125,527	
Ethylbenzene	Toluene-d8 (IS)	13.081	13.081	14,002	
m-/p-Xylenes	Toluene-d8 (IS)	13.260	13.260	31,463	
o-Xylene	Toluene-d8 (IS)	13.761	13.754	12,718	

**Benzene-d6 (IS)**

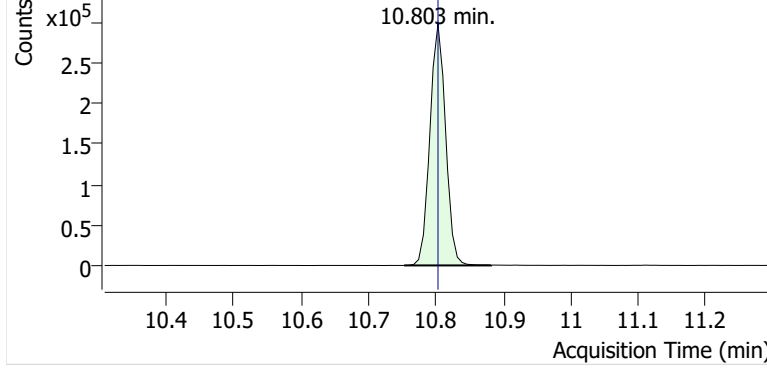


**Benzene**

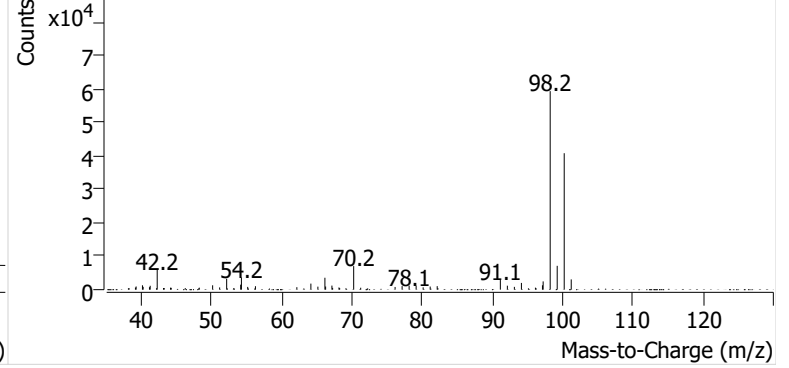


**Toluene-d8 (IS)**

+ EIC (98.1) Scan M2600030.d

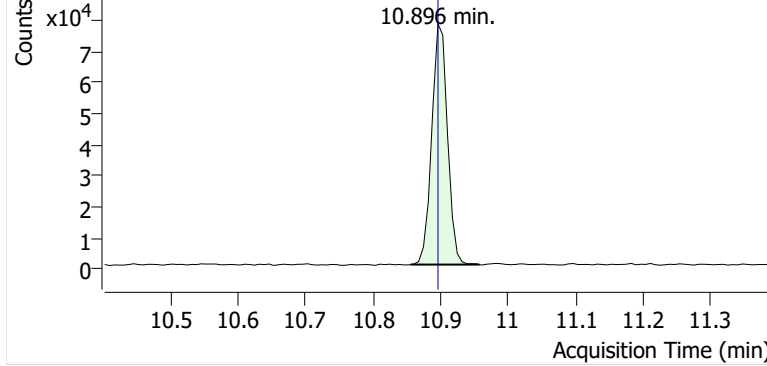


+ Scan (10.753-10.882 min, 19 scans) M2600030.d

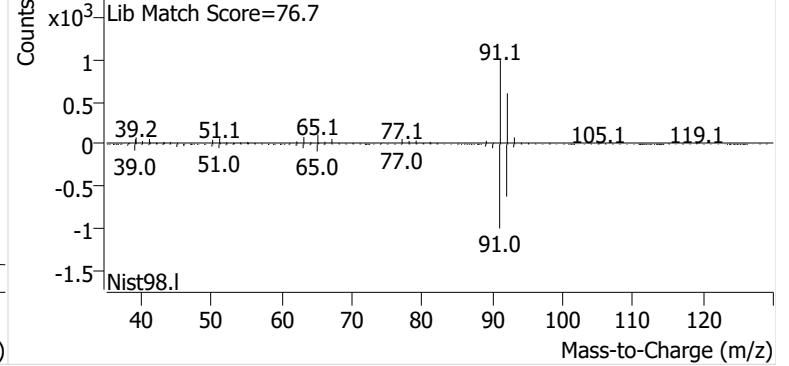


**Toluene**

+ EIC (91.1) Scan M2600030.d

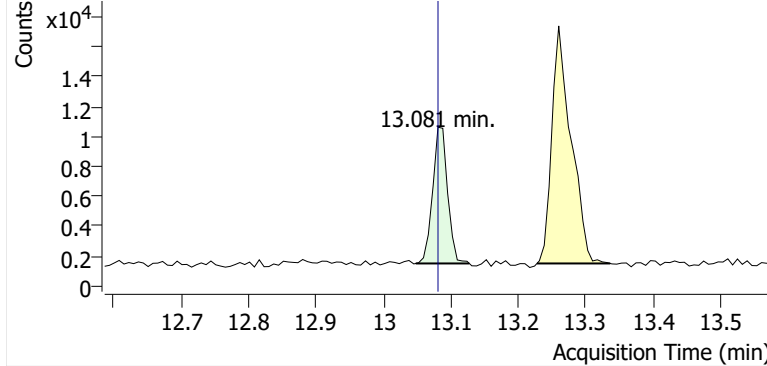


+ Scan (10.855-10.958 min, 14 scans) M2600030.d

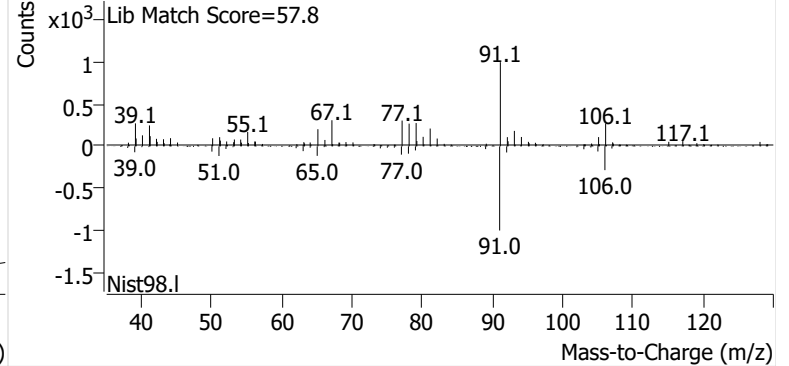


**Ethylbenzene**

+ EIC (91.1) Scan M2600030.d

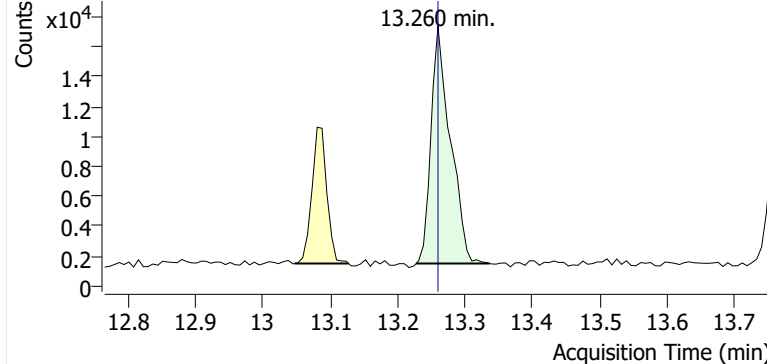


+ Scan (13.048-13.127 min, 11 scans) M2600030.d

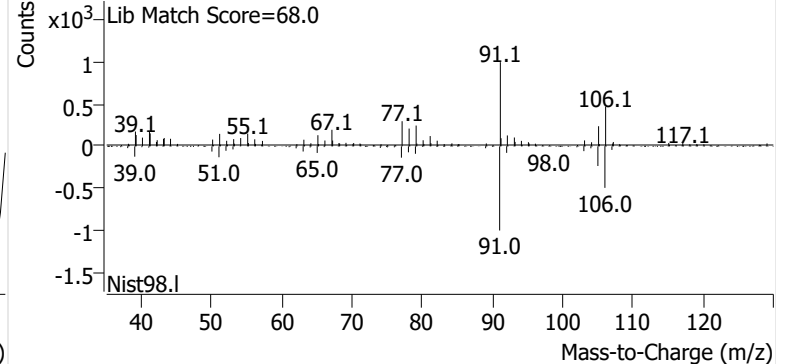


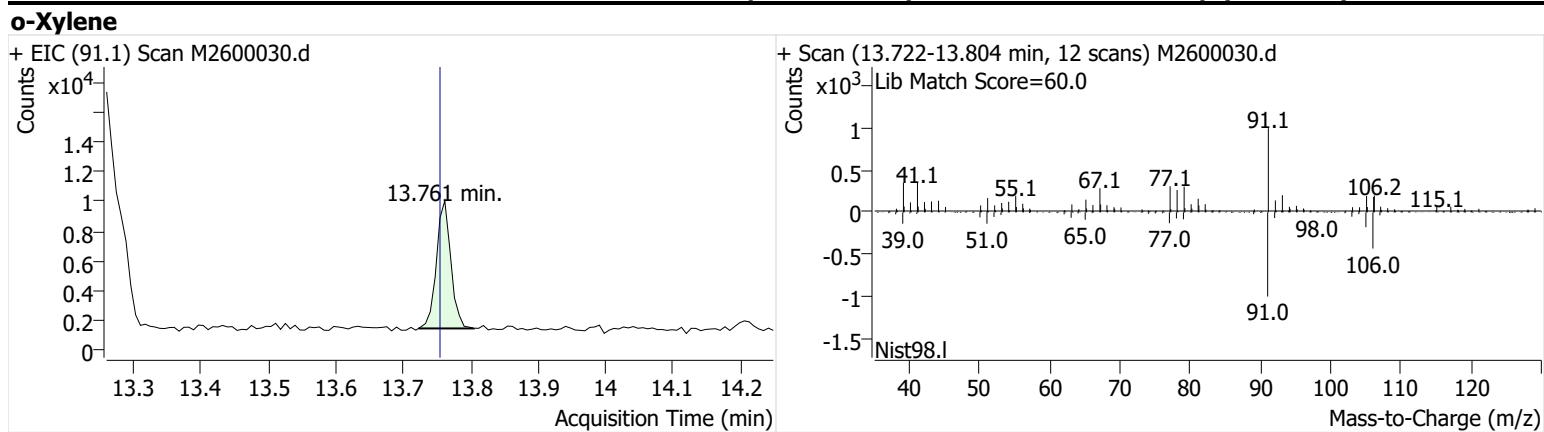
**m-/p-Xylenes**

+ EIC (91.1) Scan M2600030.d



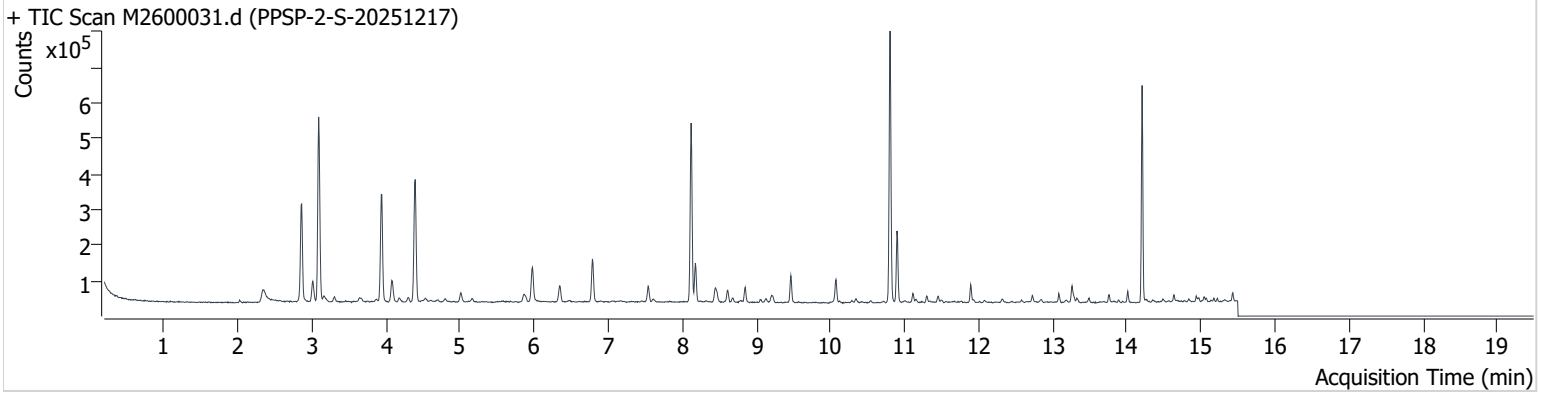
+ Scan (13.228-13.337 min, 15 scans) M2600030.d





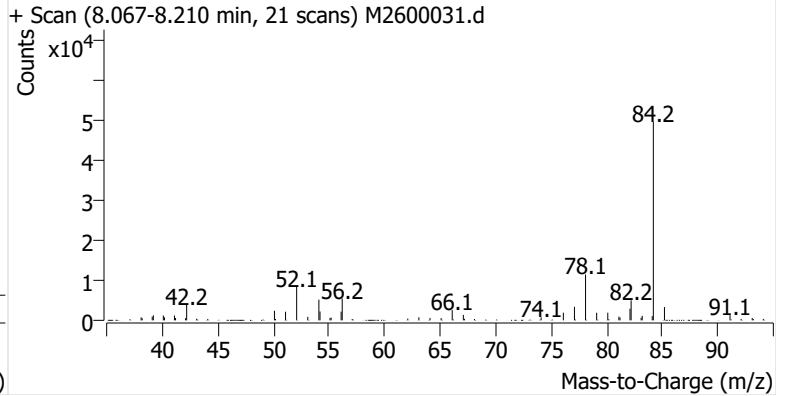
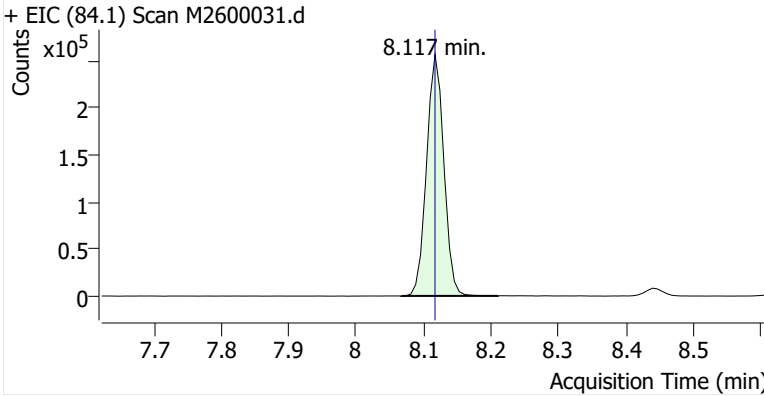
**Name** PPSP-2-S-20251217  
**Comment** C55544  
**Data File** M2600031.d  
**Acq. Date-Time** 1/5/2026 5:16:43 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

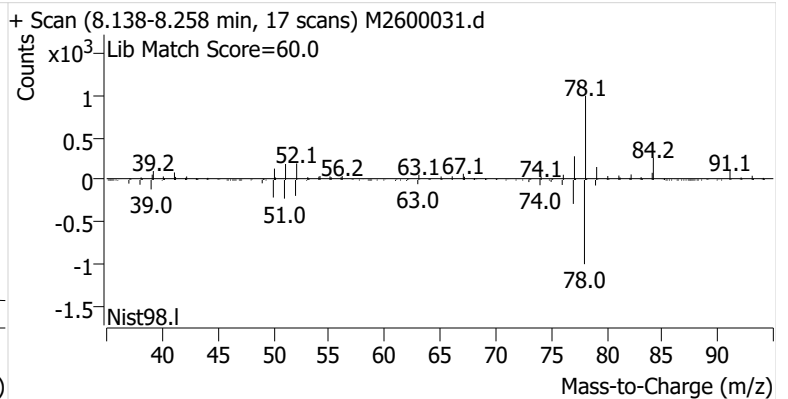
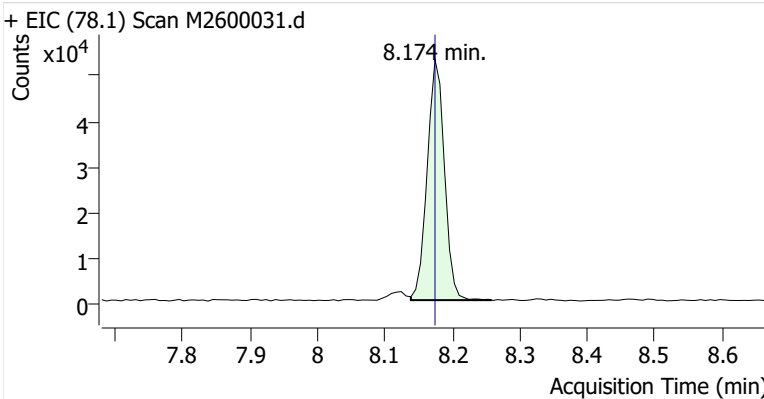


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.117	8.117	456,505	
Benzene	Benzene-d6 (IS)	8.174	8.174	93,561	
Toluene-d8 (IS)		10.803	10.803	477,932	
Toluene	Toluene-d8 (IS)	10.896	10.896	134,632	
Ethylbenzene	Toluene-d8 (IS)	13.081	13.081	13,555	
m-/p-Xylenes	Toluene-d8 (IS)	13.260	13.260	33,101	
o-Xylene	Toluene-d8 (IS)	13.761	13.754	11,510	

**Benzene-d6 (IS)**

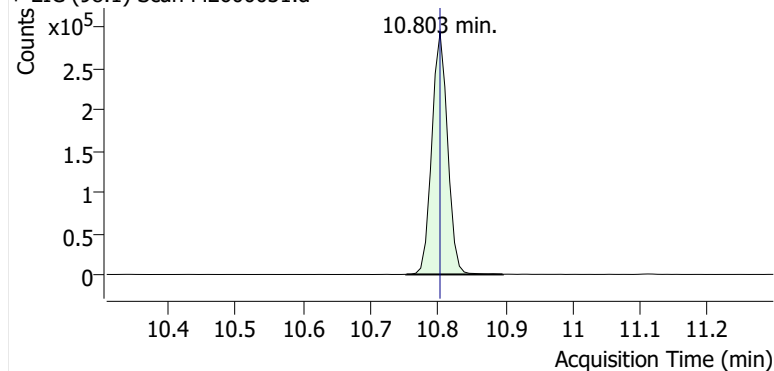


**Benzene**

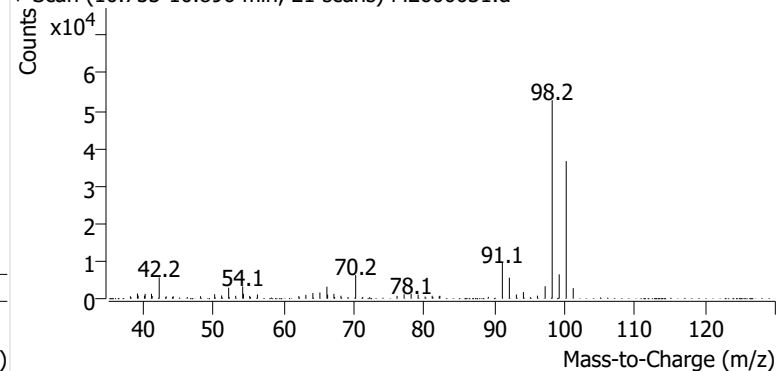


**Toluene-d8 (IS)**

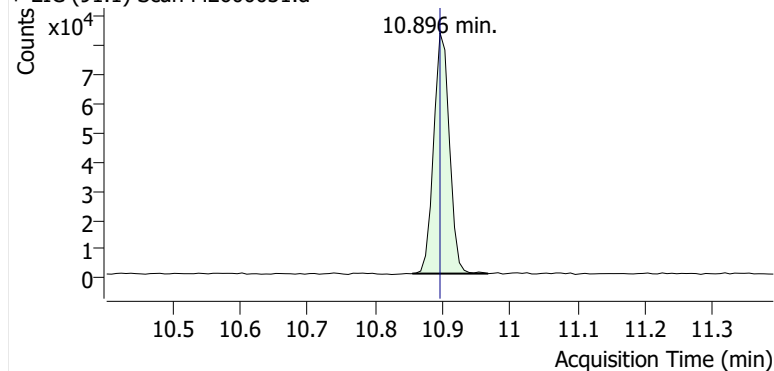
+ EIC (98.1) Scan M2600031.d



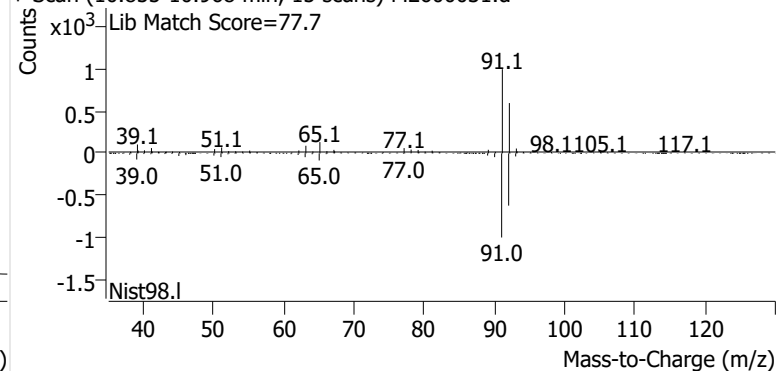
+ Scan (10.753-10.896 min, 21 scans) M2600031.d

**Toluene**

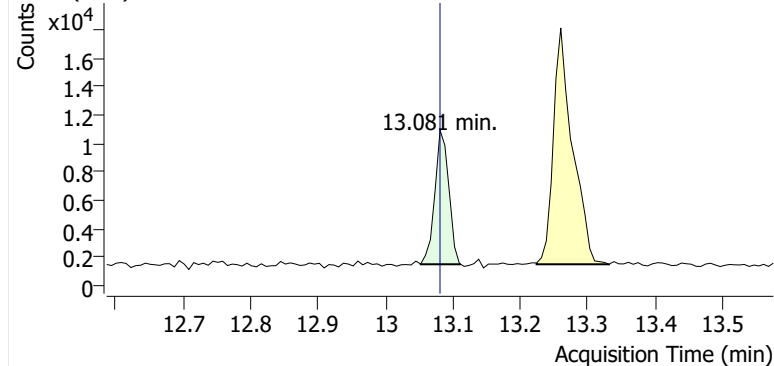
+ EIC (91.1) Scan M2600031.d



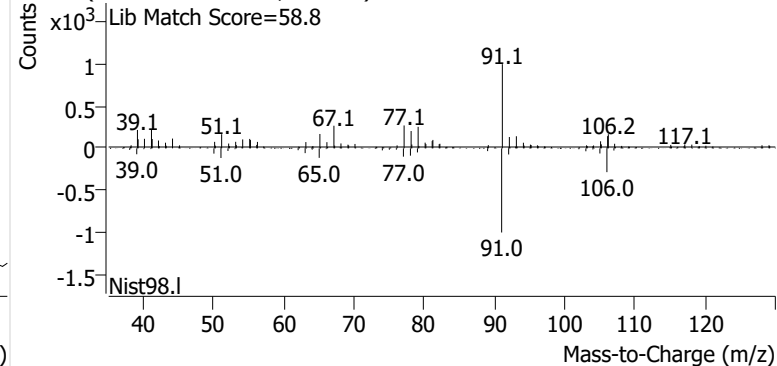
+ Scan (10.855-10.968 min, 15 scans) M2600031.d

**Ethylbenzene**

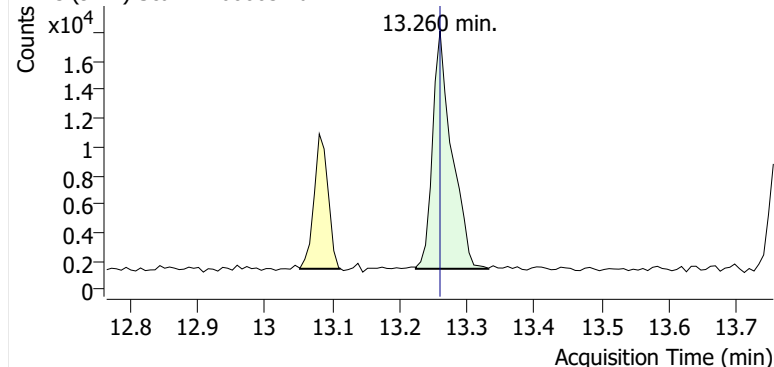
+ EIC (91.1) Scan M2600031.d



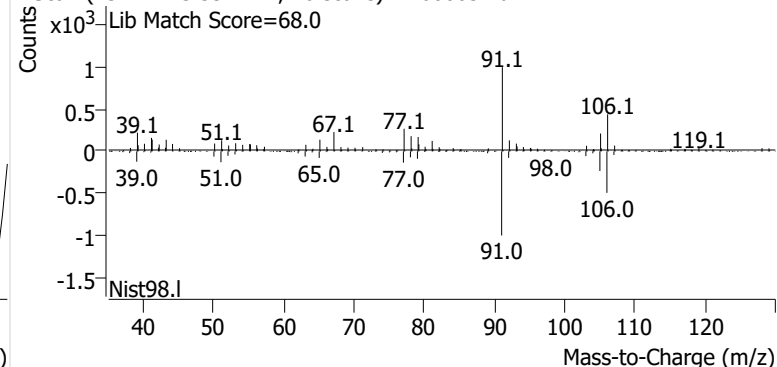
+ Scan (13.052-13.112 min, 9 scans) M2600031.d

**m-/p-Xylenes**

+ EIC (91.1) Scan M2600031.d

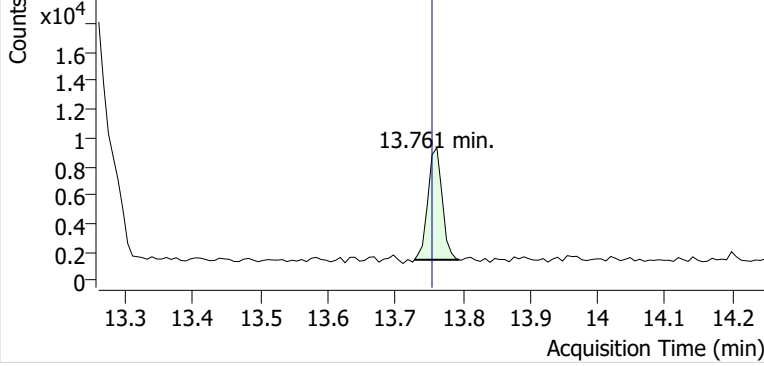


+ Scan (13.224-13.332 min, 16 scans) M2600031.d

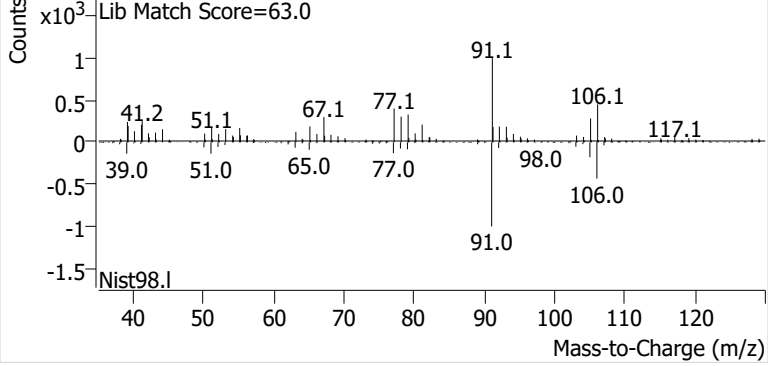


**o-Xylene**

+ EIC (91.1) Scan M2600031.d

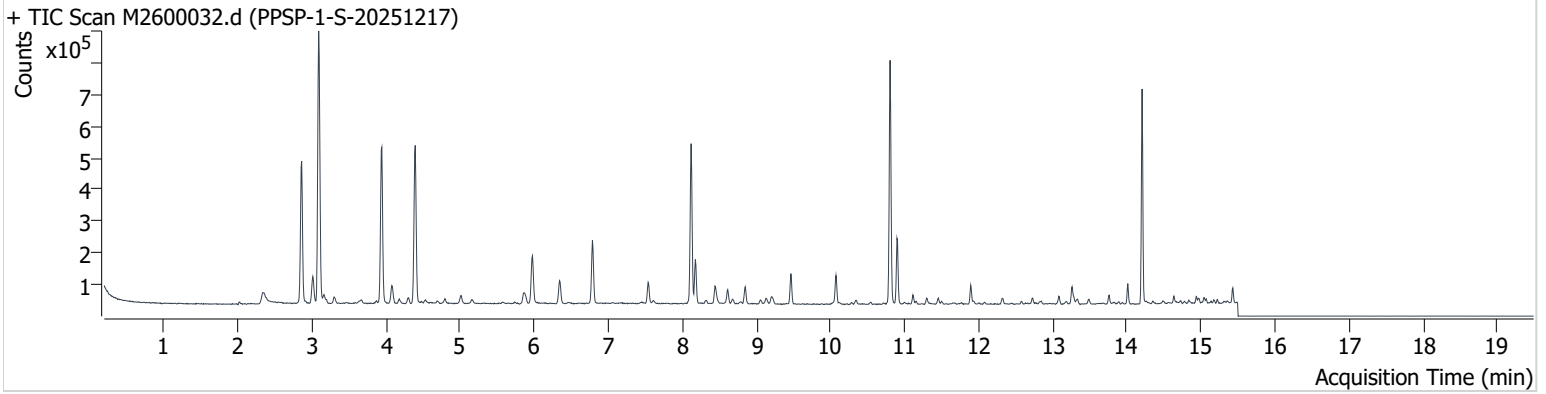


+ Scan (13.728-13.795 min, 9 scans) M2600031.d



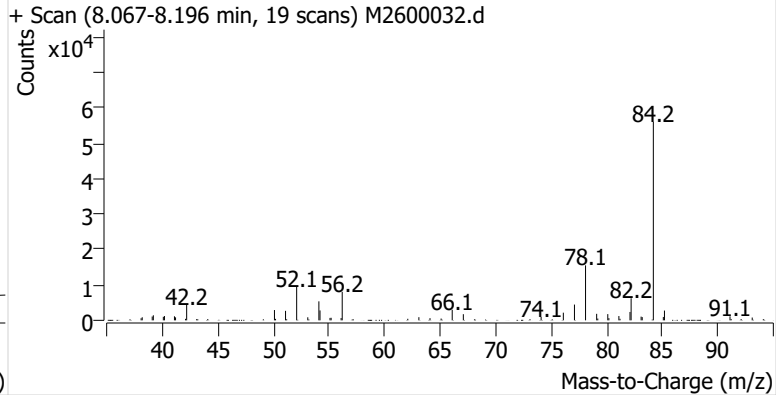
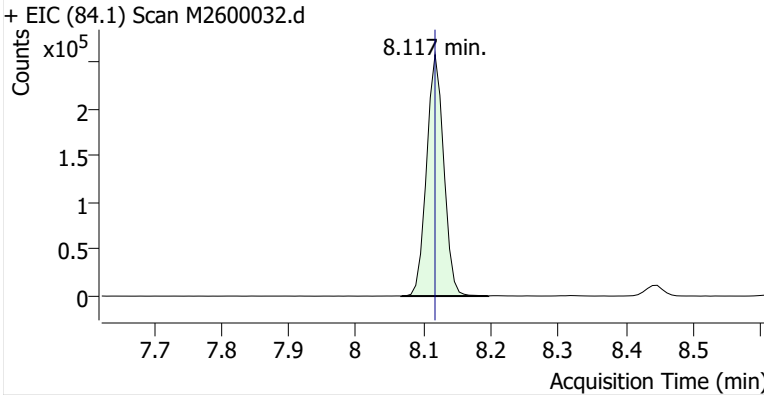
**Name** PPSP-1-S-20251217  
**Comment** C60257  
**Data File** M2600032.d  
**Acq. Date-Time** 1/5/2026 5:42:01 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carboxpack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

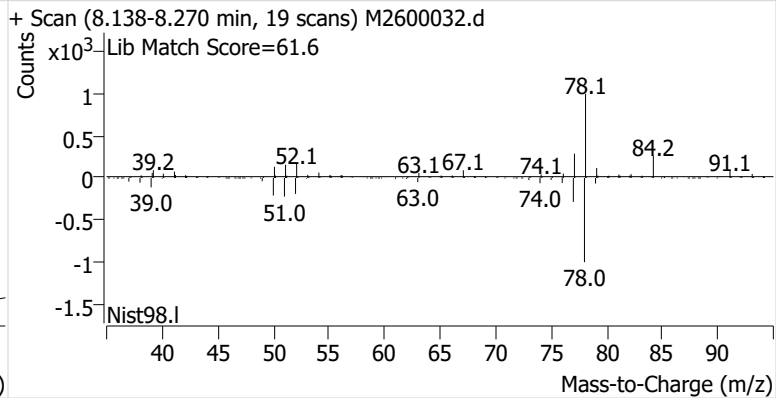
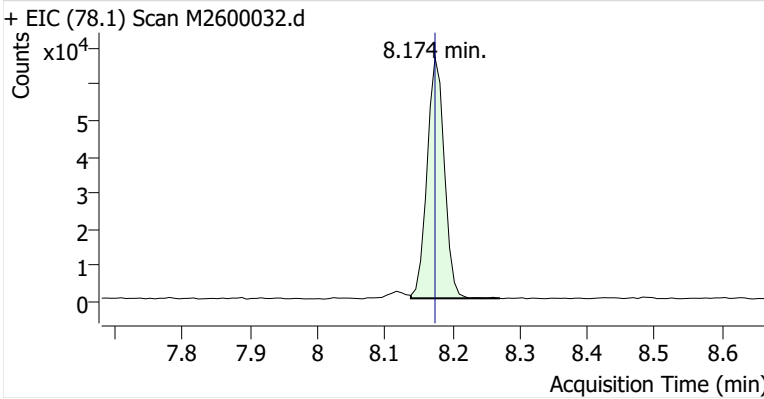


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.117	8.117	457,425	
Benzene	Benzene-d6 (IS)	8.174	8.174	118,303	
Toluene-d8 (IS)		10.803	10.803	476,298	
Toluene	Toluene-d8 (IS)	10.896	10.896	141,954	
Ethylbenzene	Toluene-d8 (IS)	13.081	13.081	16,198	
m-/p-Xylenes	Toluene-d8 (IS)	13.260	13.260	38,990	
o-Xylene	Toluene-d8 (IS)	13.761	13.754	14,038	

**Benzene-d6 (IS)**

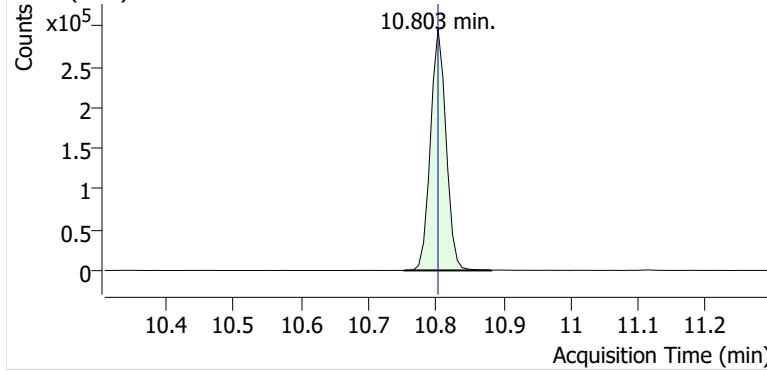


**Benzene**

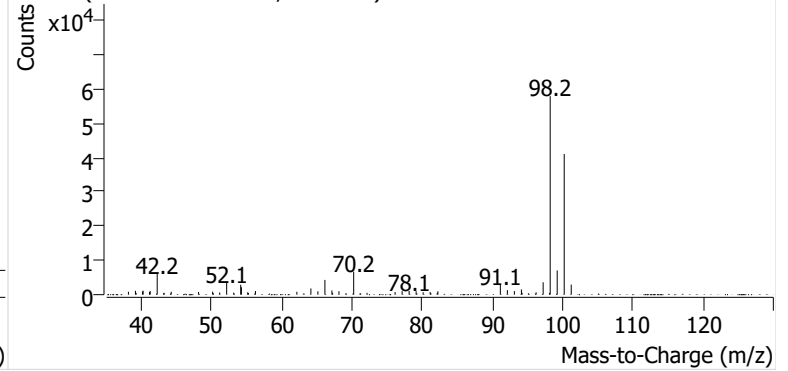


**Toluene-d8 (IS)**

+ EIC (98.1) Scan M2600032.d

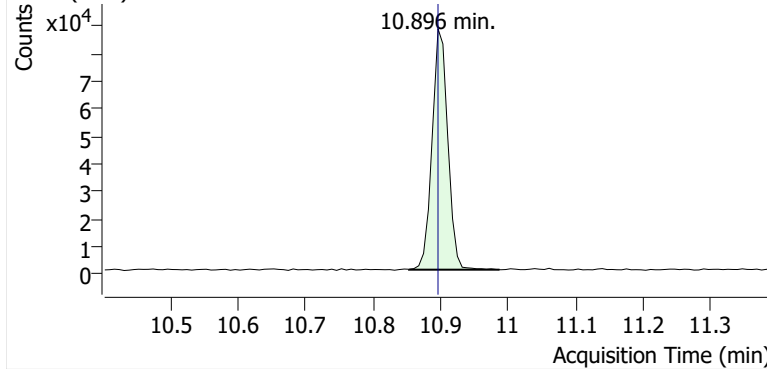


+ Scan (10.753-10.882 min, 19 scans) M2600032.d

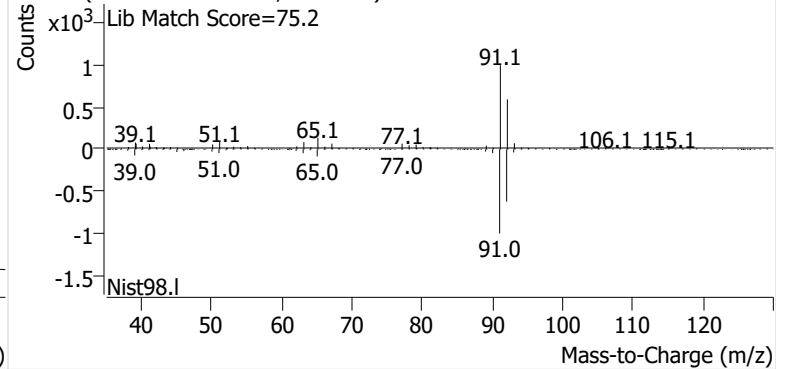


**Toluene**

+ EIC (91.1) Scan M2600032.d

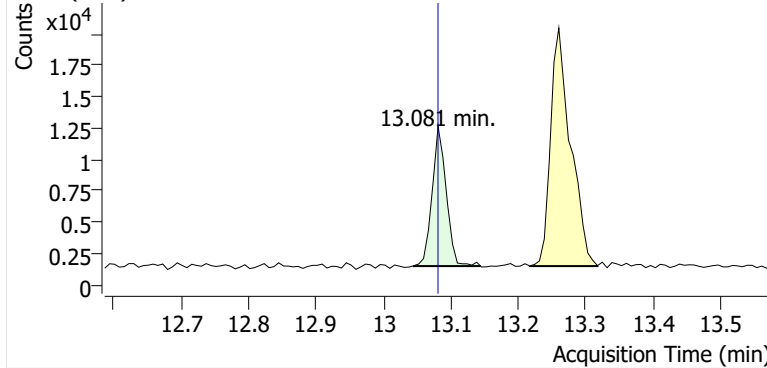


+ Scan (10.853-10.987 min, 19 scans) M2600032.d

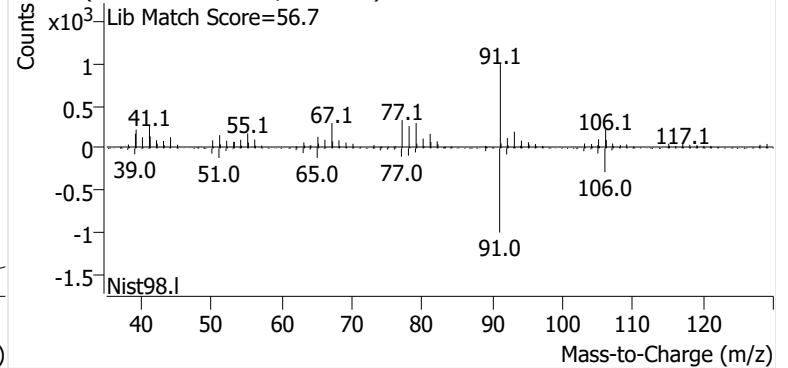


**Ethylbenzene**

+ EIC (91.1) Scan M2600032.d

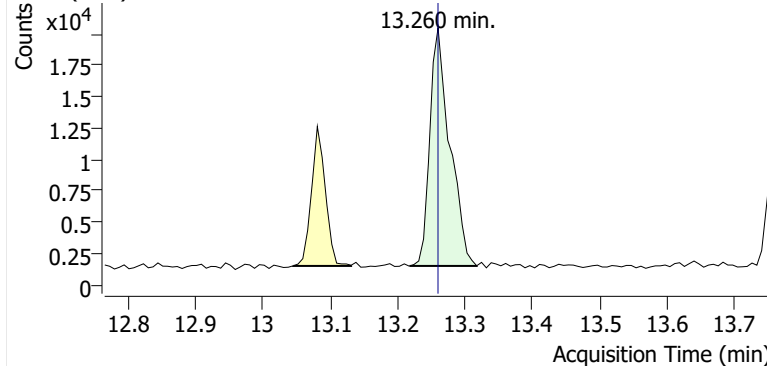


+ Scan (13.045-13.144 min, 14 scans) M2600032.d

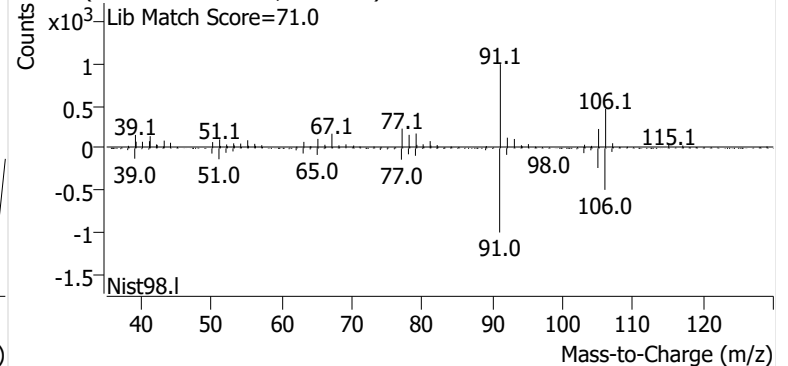


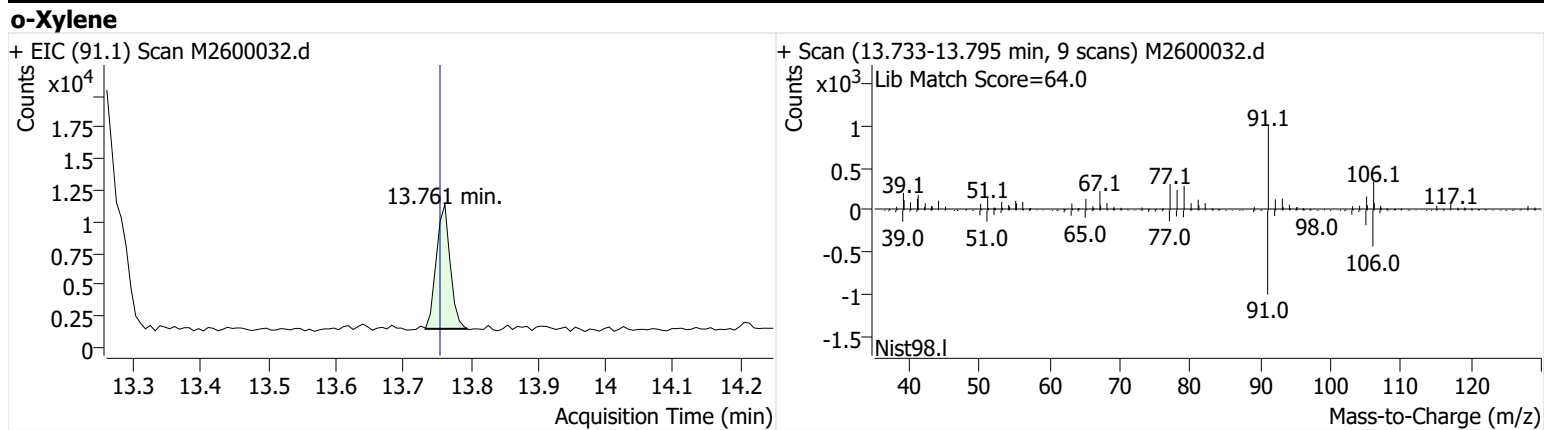
**m-/p-Xylenes**

+ EIC (91.1) Scan M2600032.d



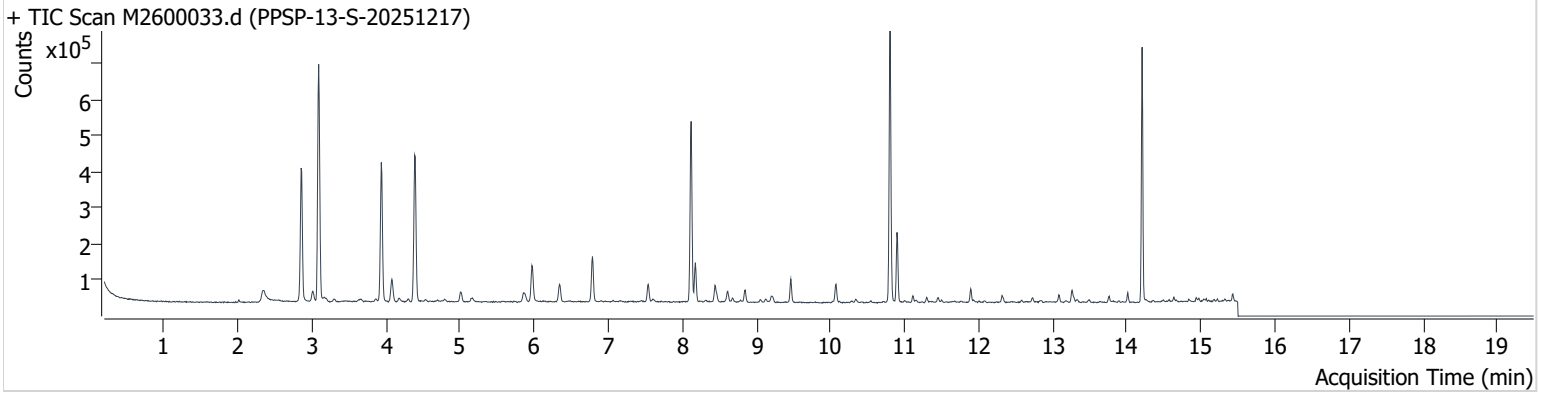
+ Scan (13.218-13.317 min, 14 scans) M2600032.d





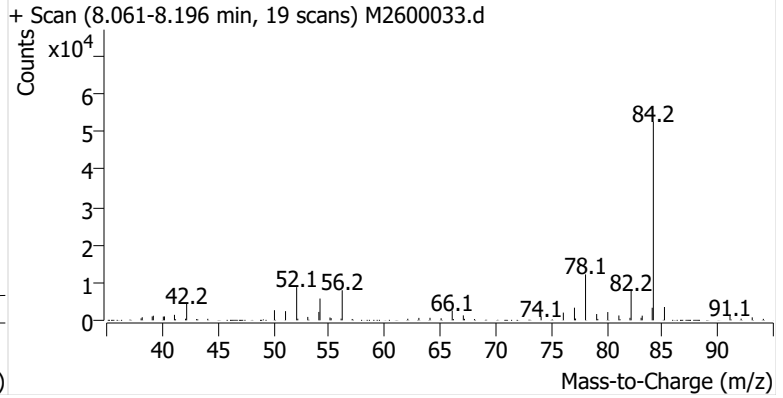
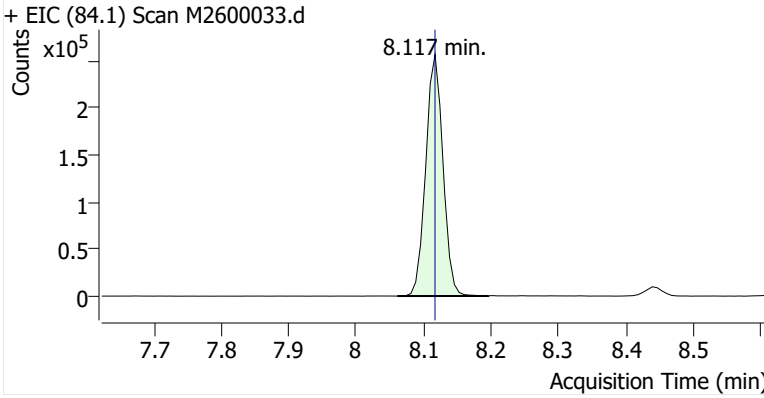
**Name** PPSP-13-S-20251217  
**Comment** C01843  
**Data File** M2600033.d  
**Acq. Date-Time** 1/5/2026 6:08:16 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carboxpack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

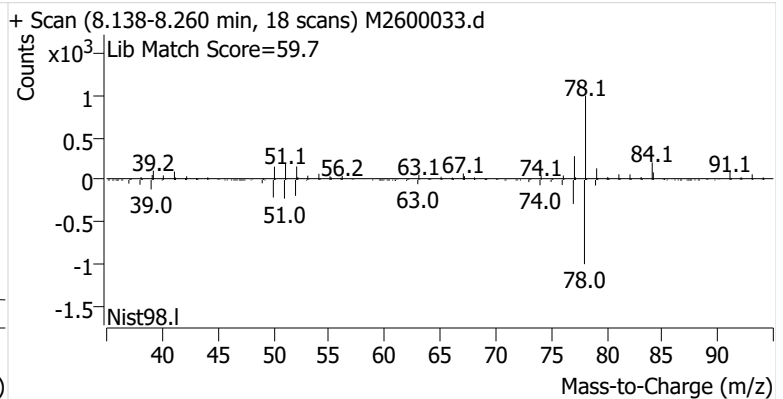
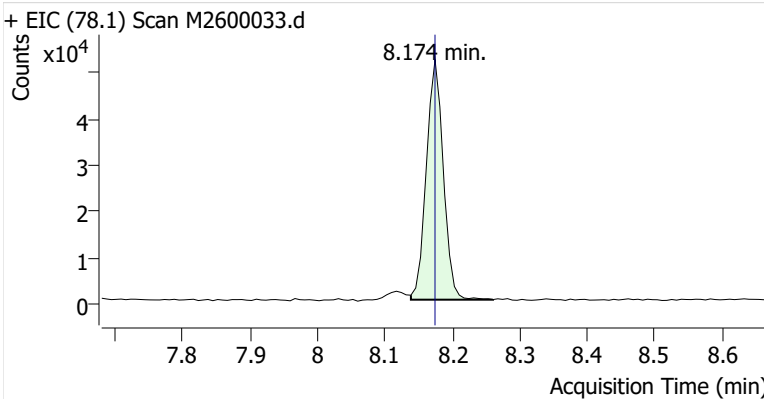


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.117	8.117	455,233	
Benzene	Benzene-d6 (IS)	8.174	8.174	90,830	
Toluene-d8 (IS)		10.803	10.803	471,600	
Toluene	Toluene-d8 (IS)	10.896	10.896	127,318	
Ethylbenzene	Toluene-d8 (IS)	13.081	13.081	13,182	
m-/p-Xylenes	Toluene-d8 (IS)	13.260	13.260	23,781	
o-Xylene	Toluene-d8 (IS)	13.761	13.754	9,519	

**Benzene-d6 (IS)**

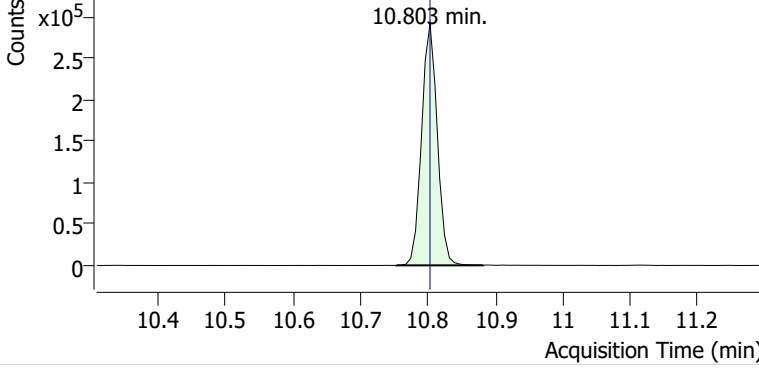


**Benzene**

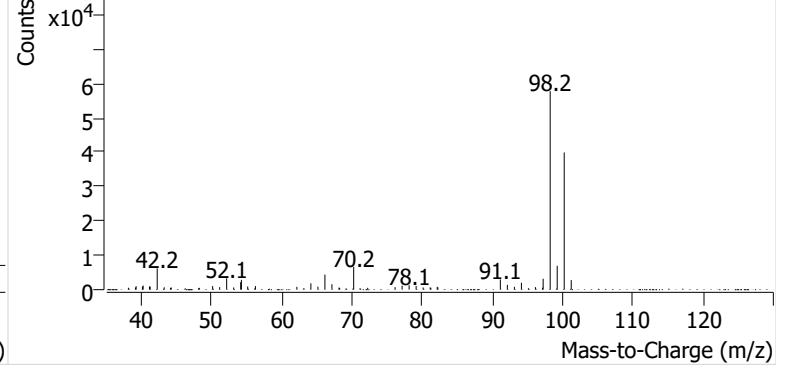


**Toluene-d8 (IS)**

+ EIC (98.1) Scan M2600033.d

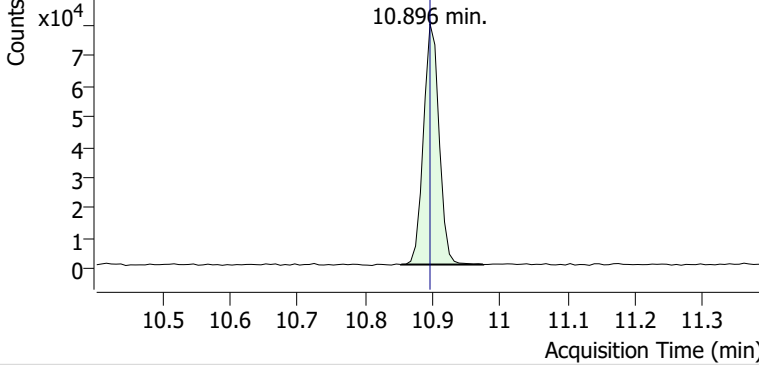


+ Scan (10.753-10.882 min, 19 scans) M2600033.d

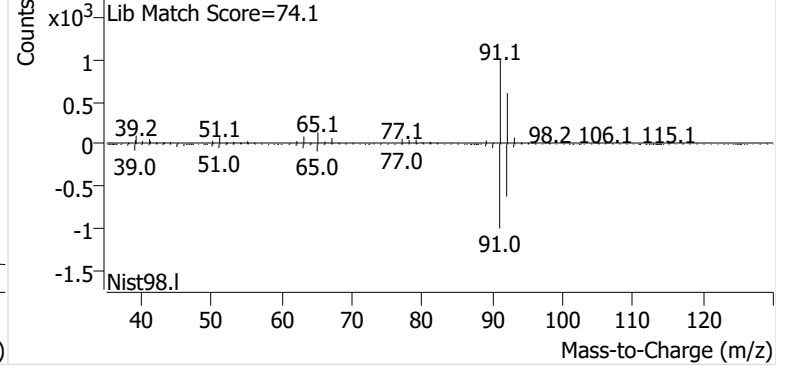


**Toluene**

+ EIC (91.1) Scan M2600033.d

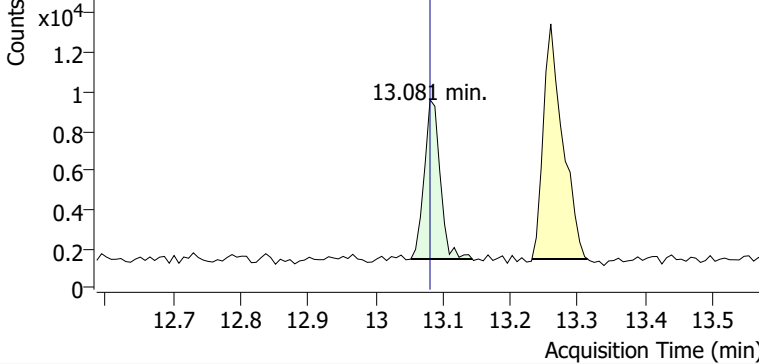


+ Scan (10.853-10.975 min, 18 scans) M2600033.d

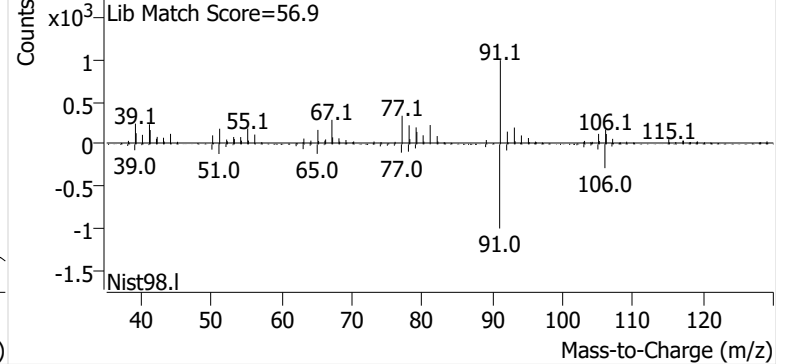


**Ethylbenzene**

+ EIC (91.1) Scan M2600033.d

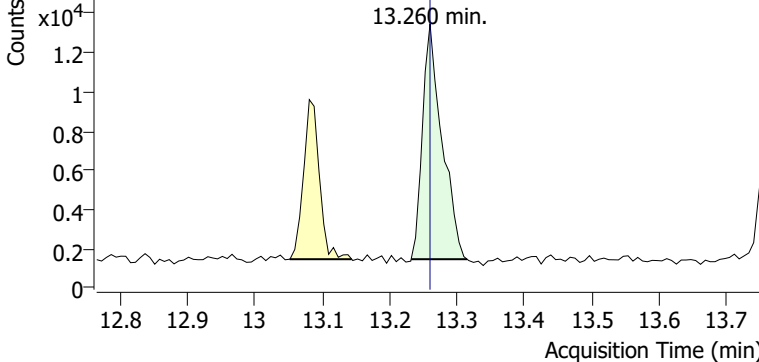


+ Scan (13.052-13.144 min, 12 scans) M2600033.d

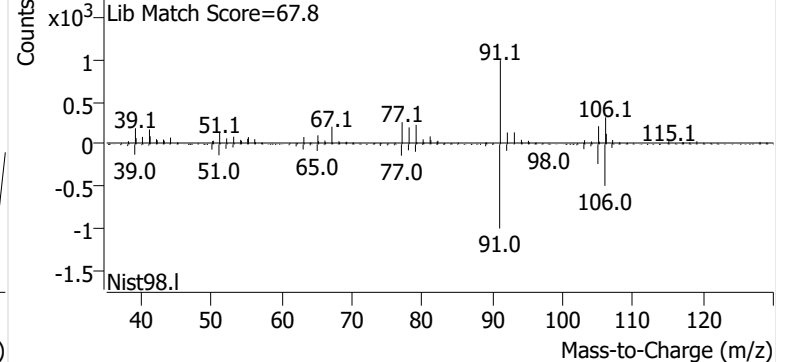


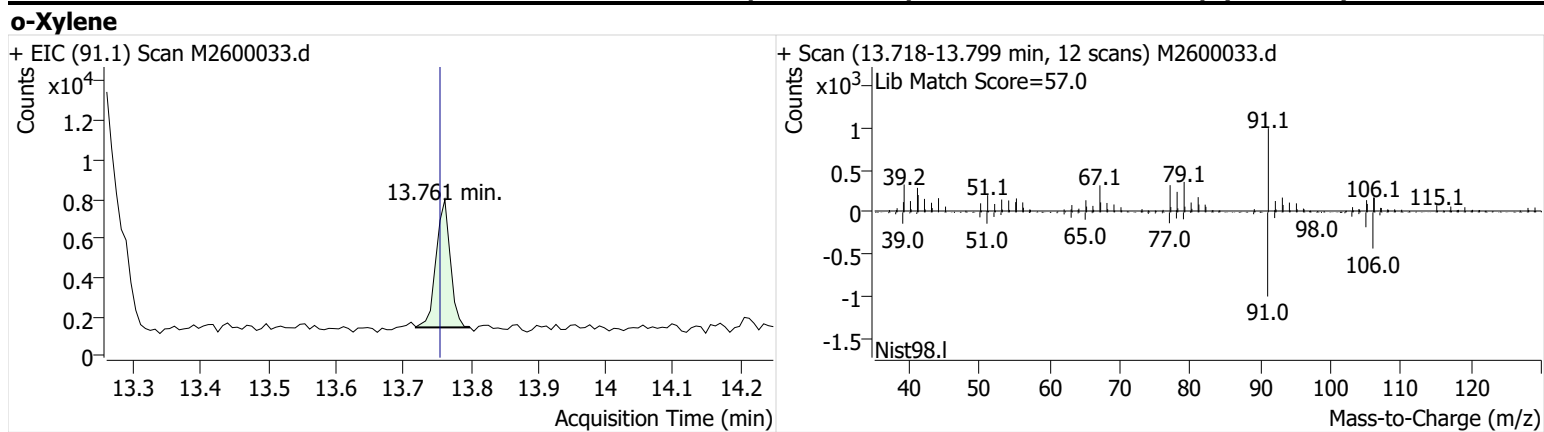
**m-/p-Xylenes**

+ EIC (91.1) Scan M2600033.d



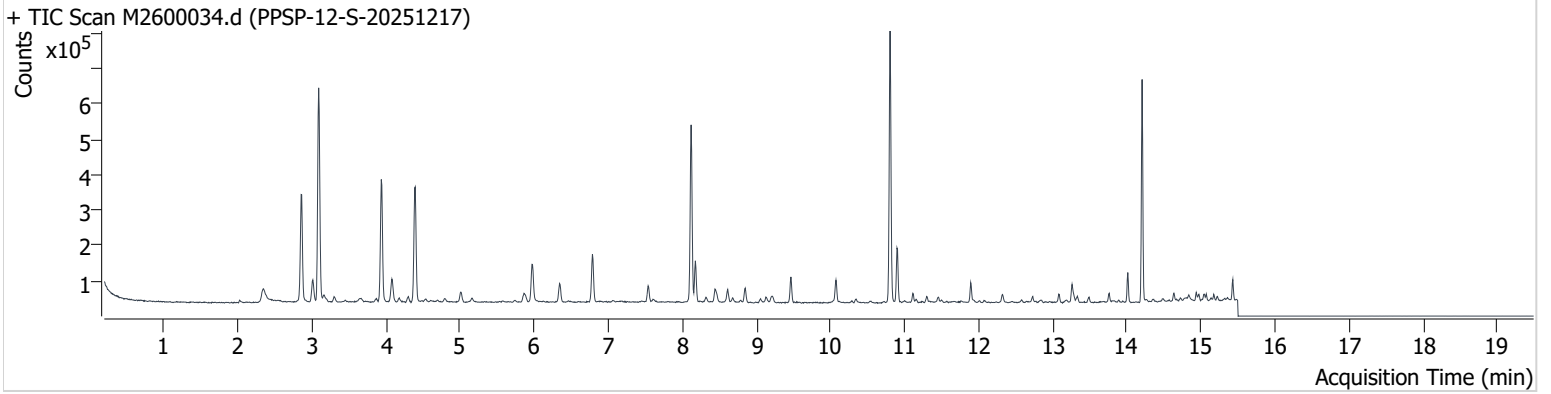
+ Scan (13.232-13.315 min, 11 scans) M2600033.d





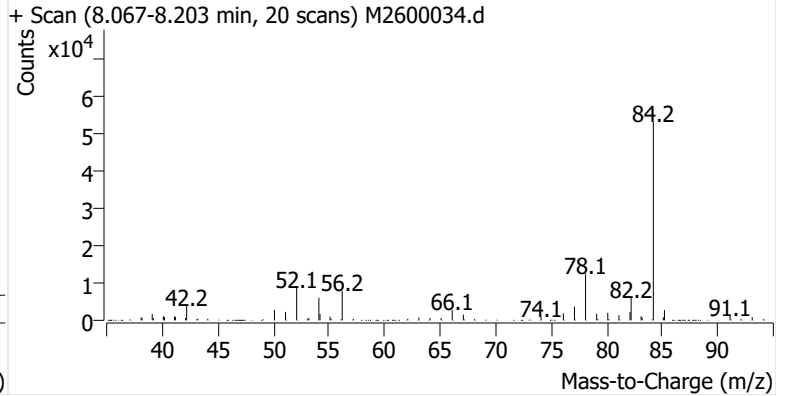
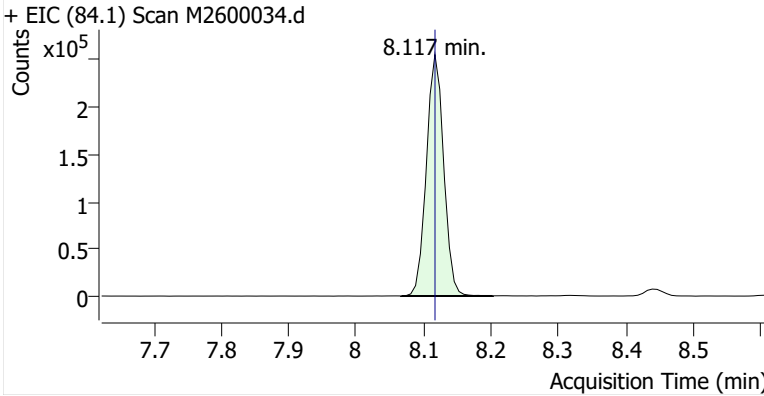
**Name** PPSP-12-S-20251217  
**Comment** C60002  
**Data File** M2600034.d  
**Acq. Date-Time** 1/5/2026 6:33:44 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

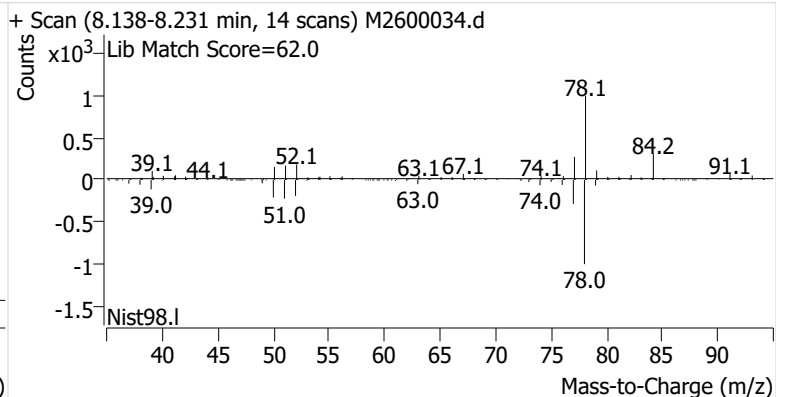
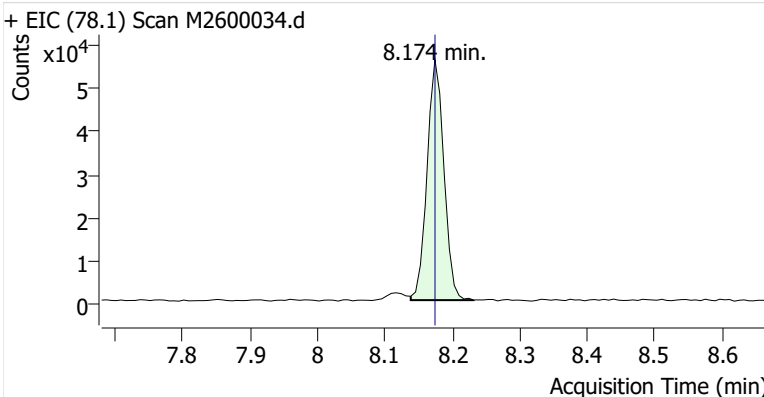


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.117	8.117	455,855	
Benzene	Benzene-d6 (IS)	8.174	8.174	96,718	
Toluene-d8 (IS)		10.803	10.803	476,460	
Toluene	Toluene-d8 (IS)	10.896	10.896	104,937	
Ethylbenzene	Toluene-d8 (IS)	13.088	13.081	14,913	
m-/p-Xylenes	Toluene-d8 (IS)	13.260	13.260	36,851	
o-Xylene	Toluene-d8 (IS)	13.761	13.754	12,680	

**Benzene-d6 (IS)**

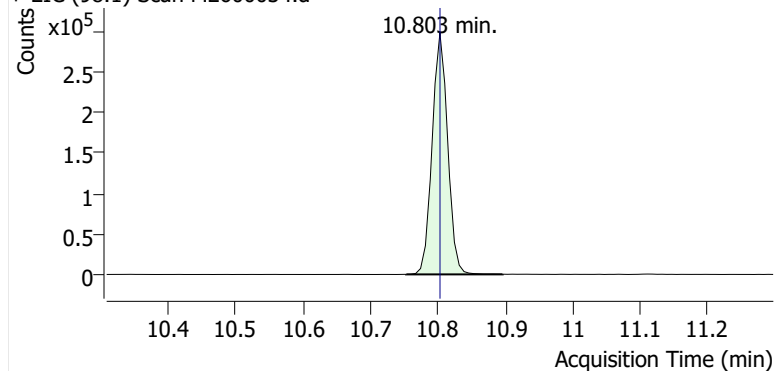


**Benzene**

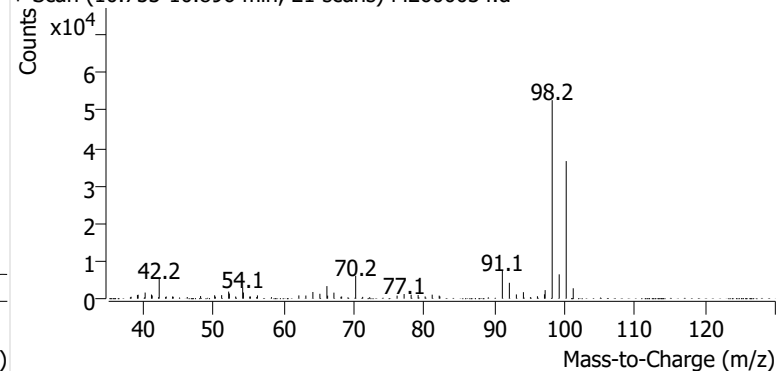


**Toluene-d8 (IS)**

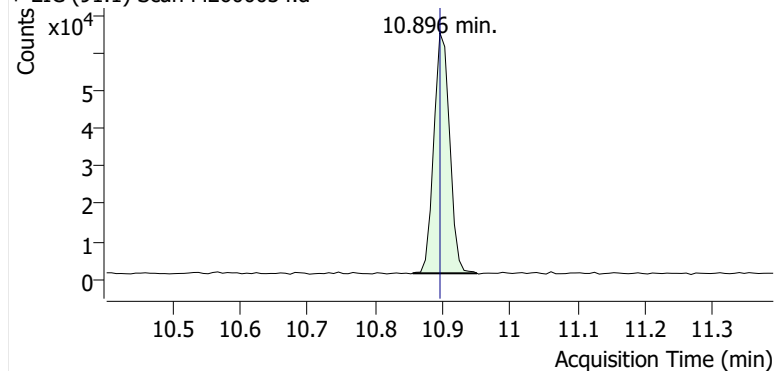
+ EIC (98.1) Scan M2600034.d



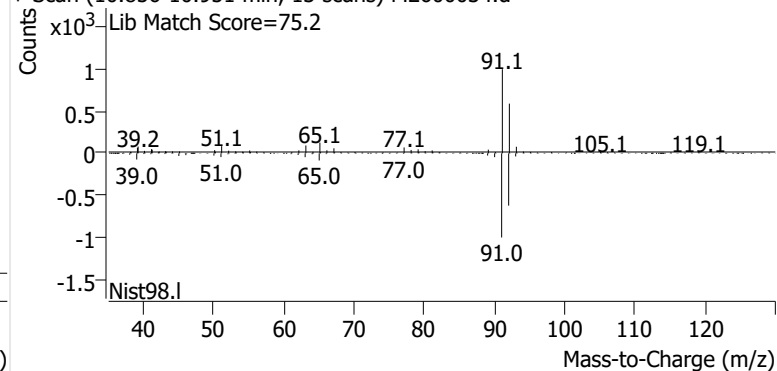
+ Scan (10.753-10.896 min, 21 scans) M2600034.d

**Toluene**

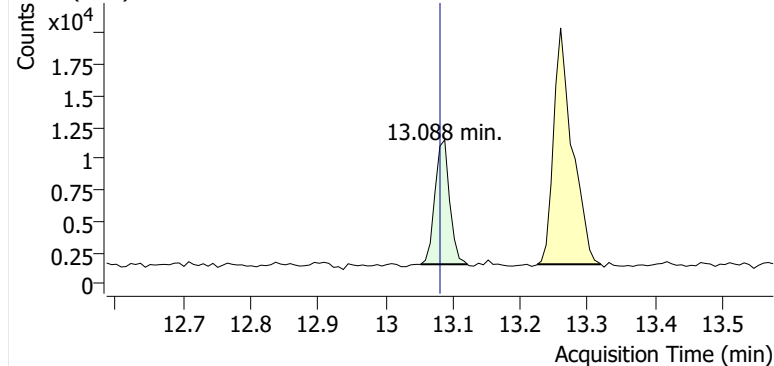
+ EIC (91.1) Scan M2600034.d



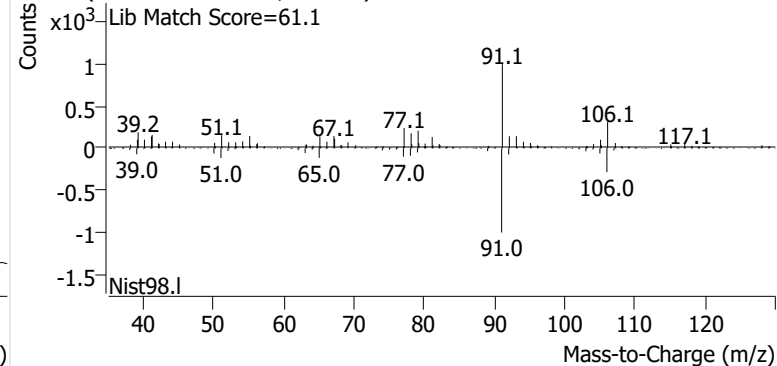
+ Scan (10.856-10.951 min, 13 scans) M2600034.d

**Ethylbenzene**

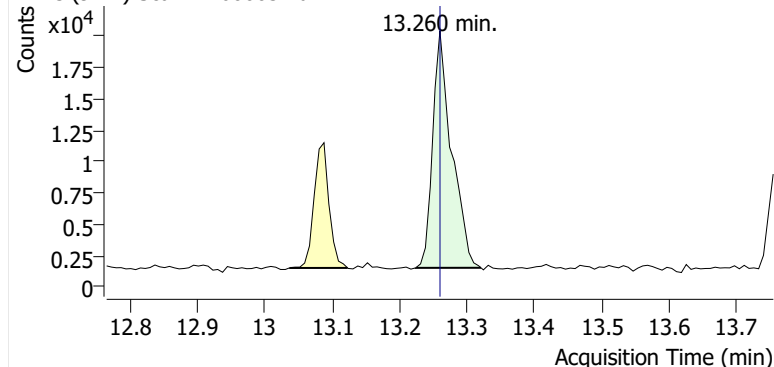
+ EIC (91.1) Scan M2600034.d



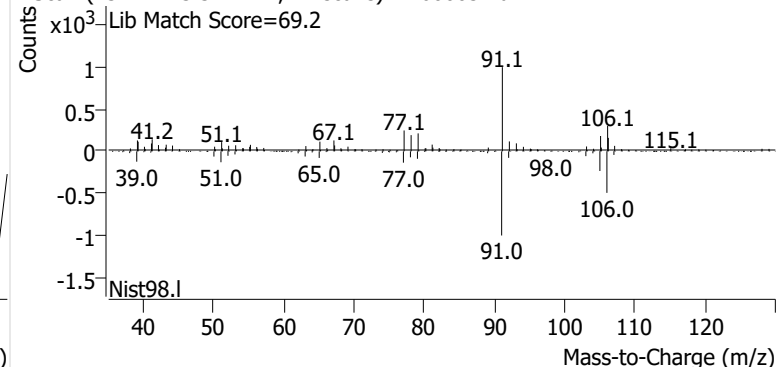
+ Scan (13.052-13.122 min, 9 scans) M2600034.d

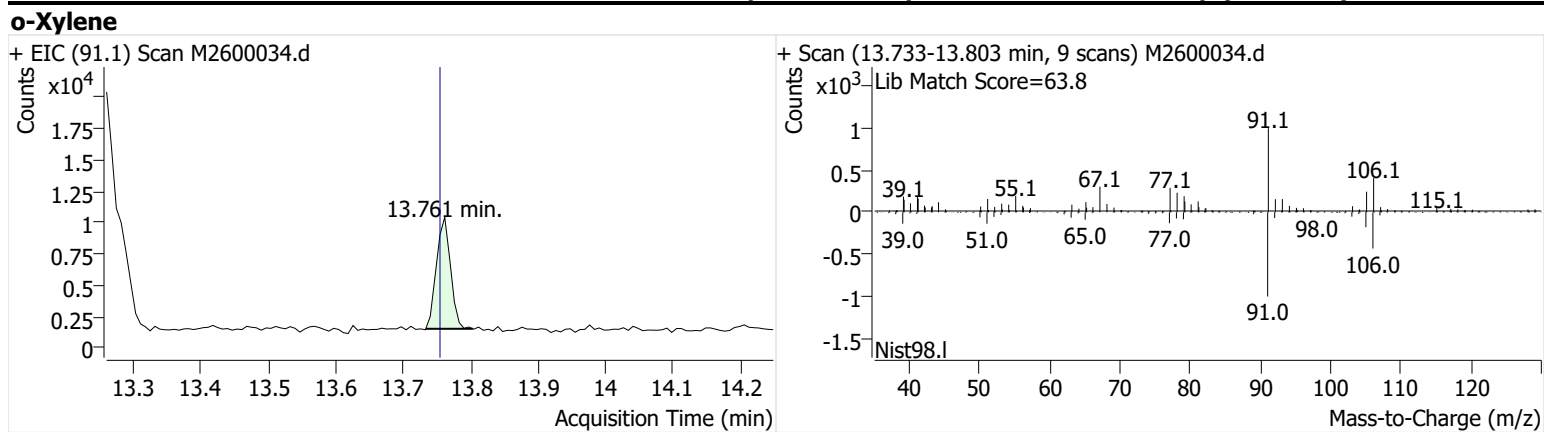
**m-/p-Xylenes**

+ EIC (91.1) Scan M2600034.d



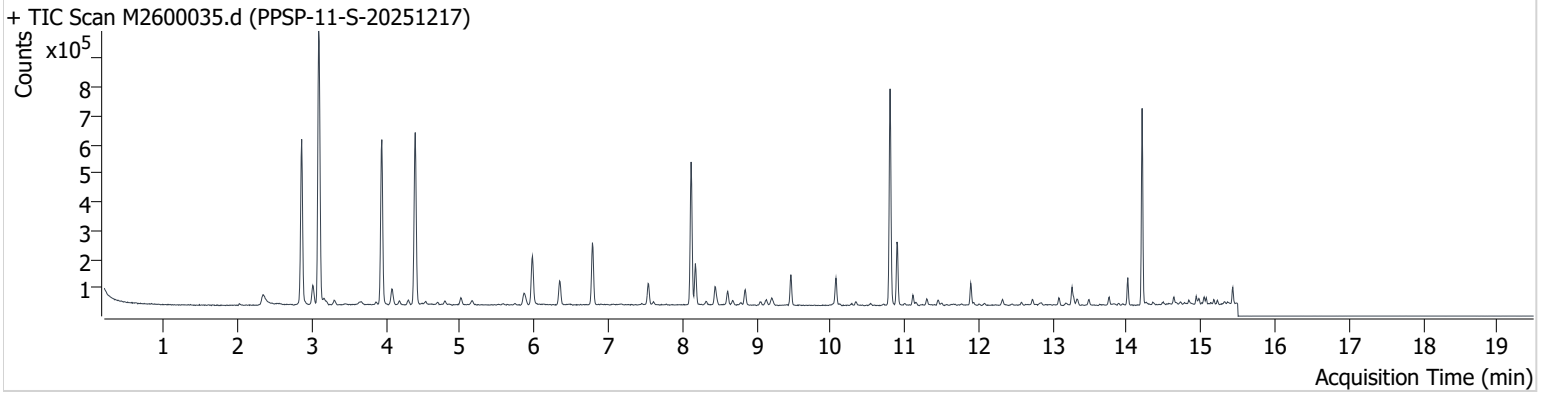
+ Scan (13.224-13.321 min, 14 scans) M2600034.d





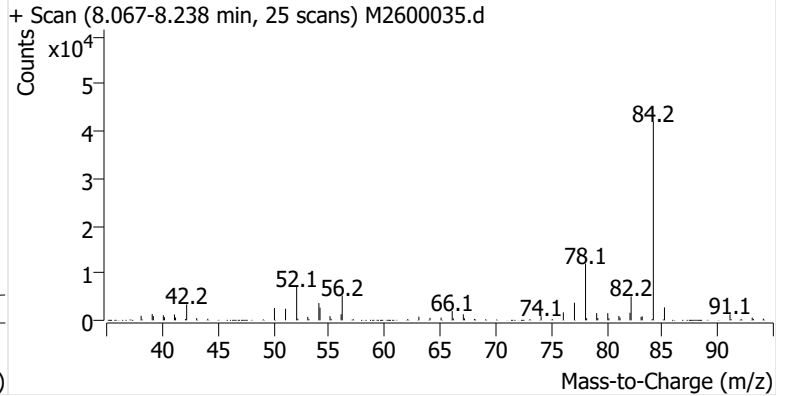
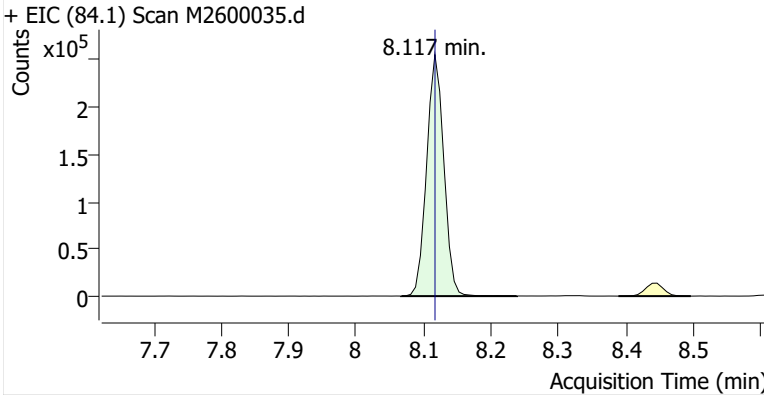
**Name** PPSP-11-S-20251217  
**Comment** C43250  
**Data File** M2600035.d  
**Acq. Date-Time** 1/5/2026 6:59:15 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carboxpack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

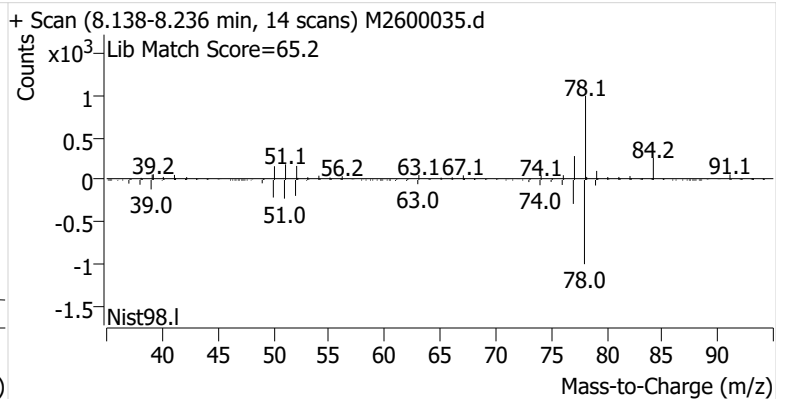
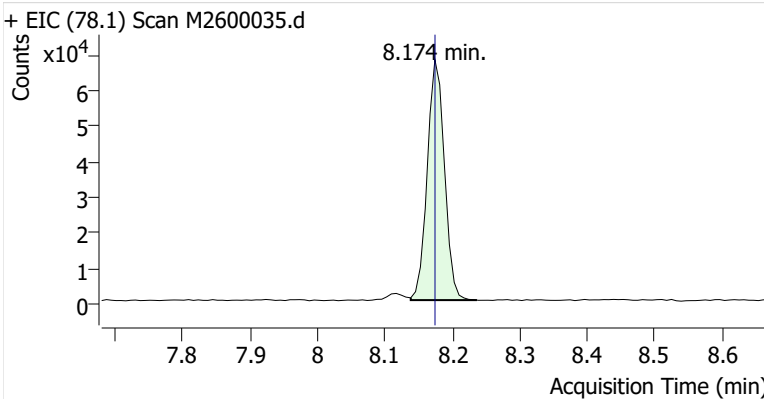


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.117	8.117	452,979	
Benzene	Benzene-d6 (IS)	8.174	8.174	119,891	
Toluene-d8 (IS)		10.803	10.803	473,827	
Toluene	Toluene-d8 (IS)	10.896	10.896	151,264	
Ethylbenzene	Toluene-d8 (IS)	13.081	13.081	16,458	
m-/p-Xylenes	Toluene-d8 (IS)	13.260	13.260	42,682	
o-Xylene	Toluene-d8 (IS)	13.761	13.754	14,936	

**Benzene-d6 (IS)**

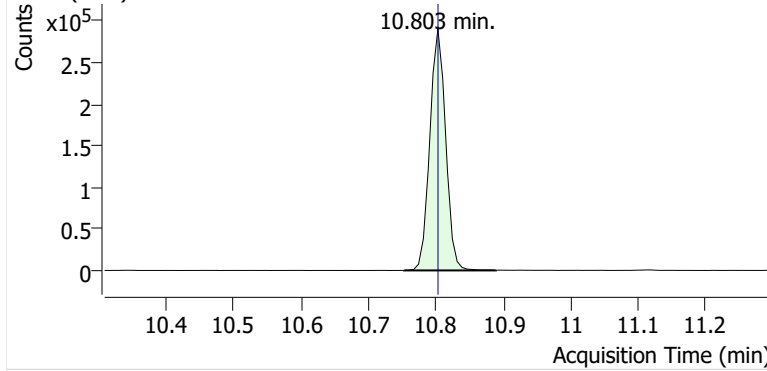


**Benzene**

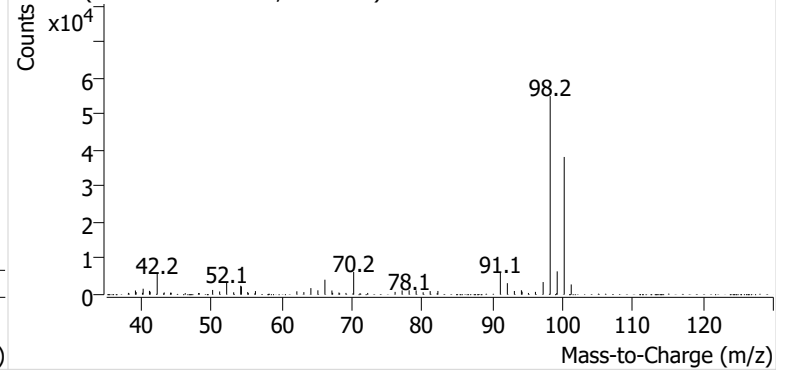


**Toluene-d8 (IS)**

+ EIC (98.1) Scan M2600035.d

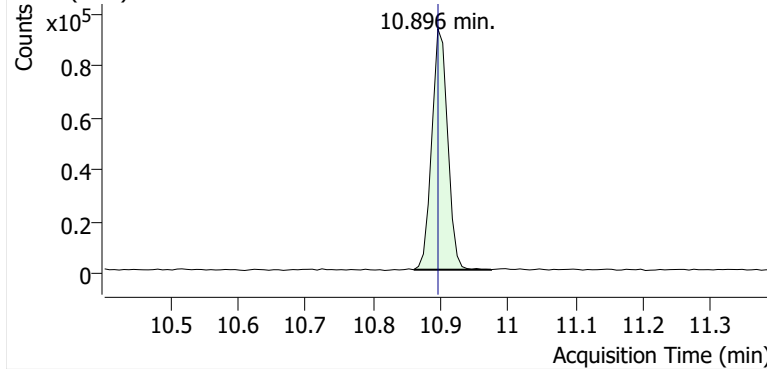


+ Scan (10.753-10.889 min, 20 scans) M2600035.d

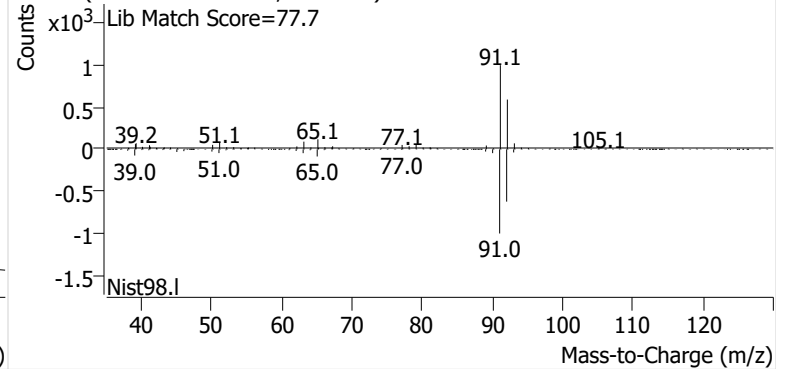


**Toluene**

+ EIC (91.1) Scan M2600035.d

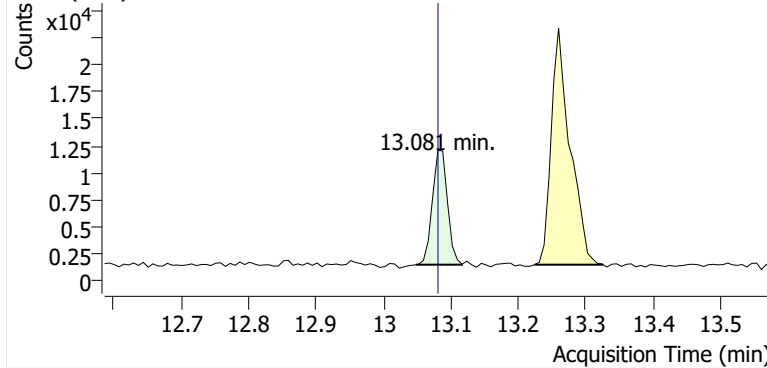


+ Scan (10.860-10.975 min, 16 scans) M2600035.d

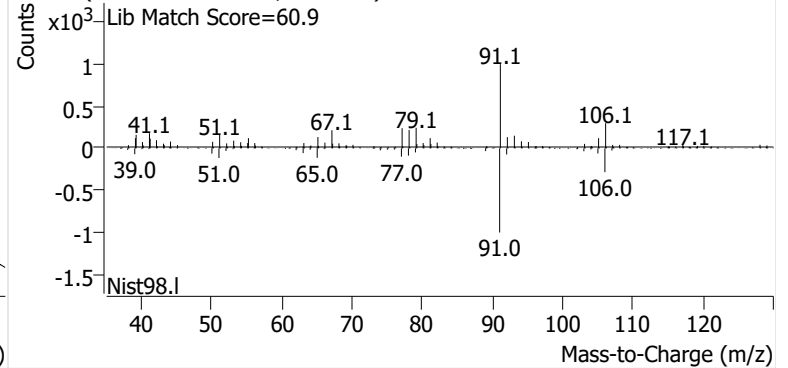


**Ethylbenzene**

+ EIC (91.1) Scan M2600035.d

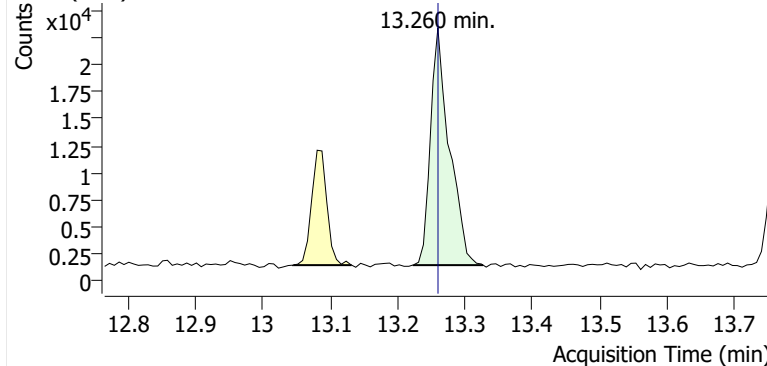


+ Scan (13.048-13.117 min, 10 scans) M2600035.d

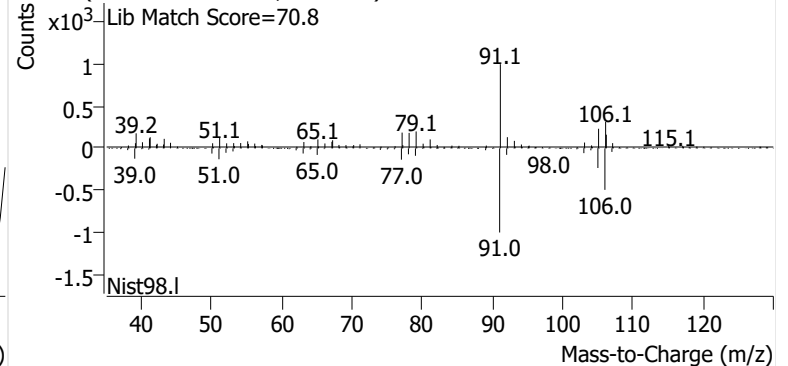


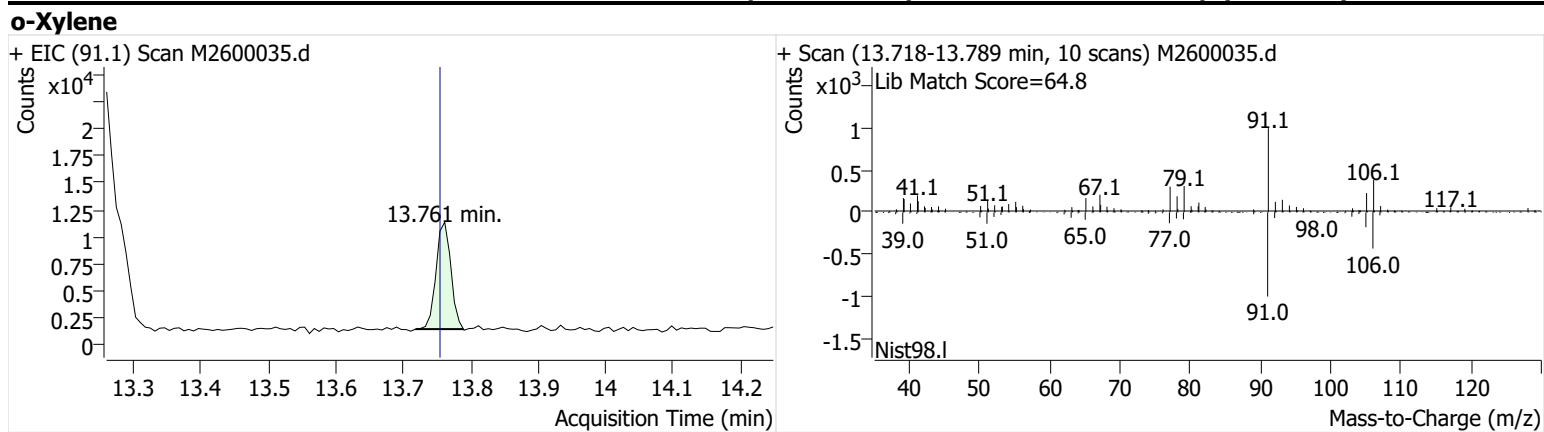
**m-/p-Xylenes**

+ EIC (91.1) Scan M2600035.d



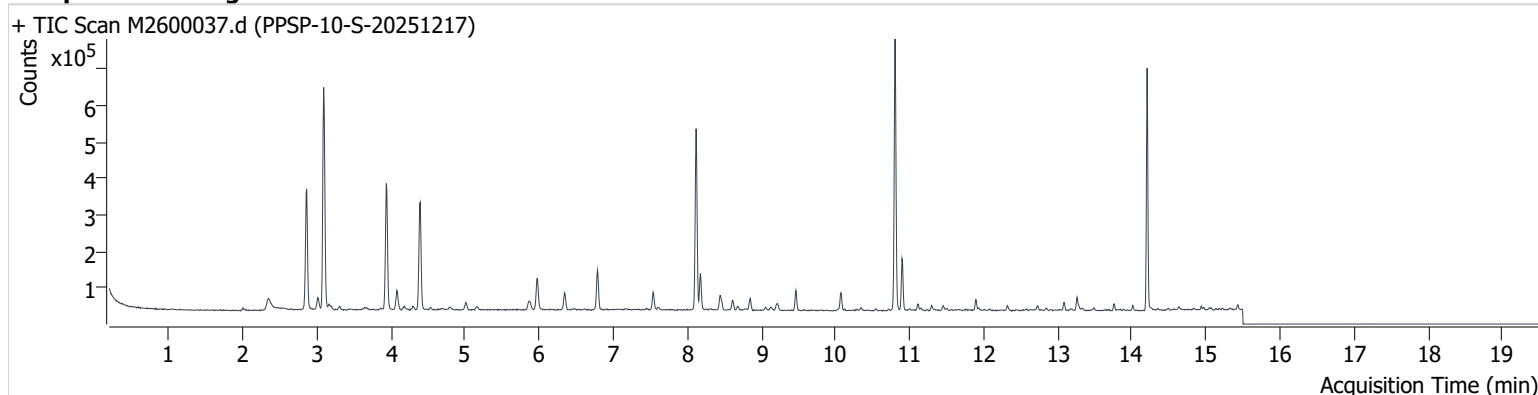
+ Scan (13.224-13.327 min, 15 scans) M2600035.d





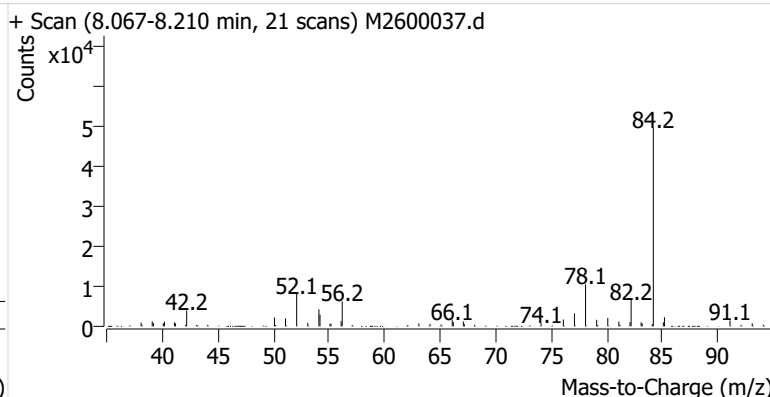
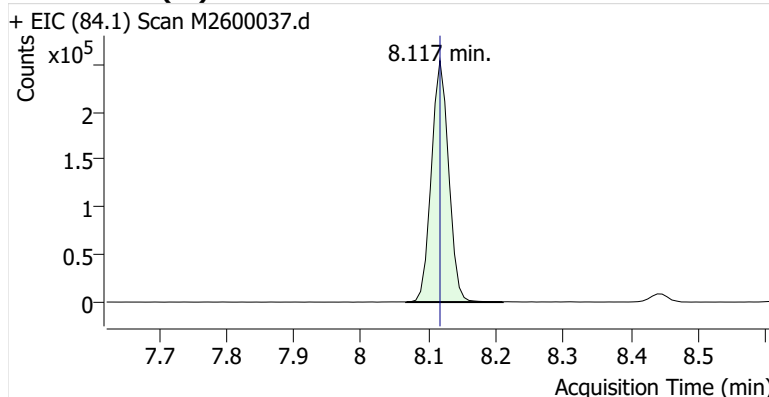
**Name** PPSP-10-S-20251217  
**Comment** B52910  
**Data File** M2600037.d  
**Acq. Date-Time** 1/5/2026 7:50:03 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

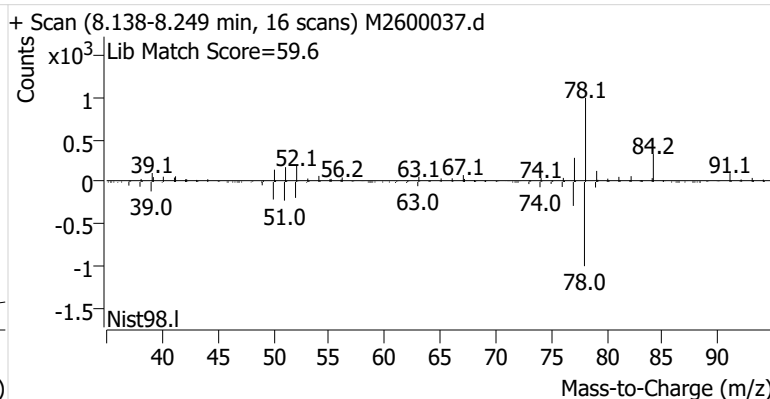
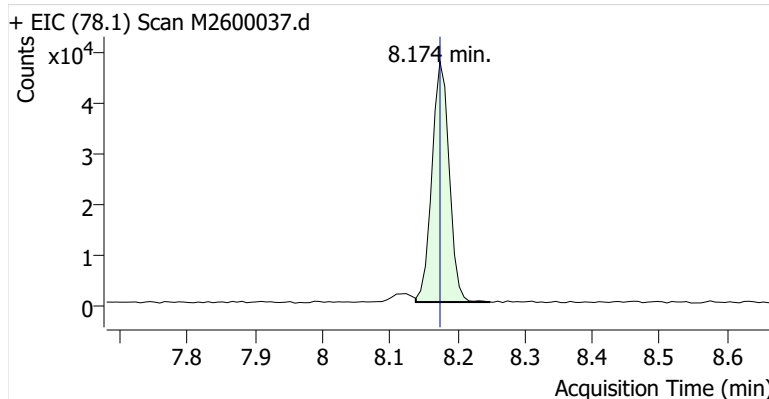


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.117	8.117	451,592	
Benzene	Benzene-d6 (IS)	8.174	8.174	84,153	
Toluene-d8 (IS)		10.803	10.803	464,720	
Toluene	Toluene-d8 (IS)	10.896	10.896	92,414	
Ethylbenzene	Toluene-d8 (IS)	13.081	13.081	14,101	
m-/p-Xylenes	Toluene-d8 (IS)	13.260	13.260	23,386	
o-Xylene	Toluene-d8 (IS)	13.761	13.754	8,587	

**Benzene-d6 (IS)**

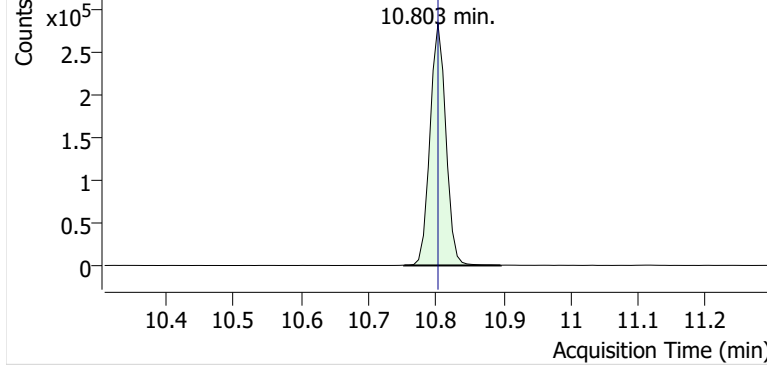


**Benzene**

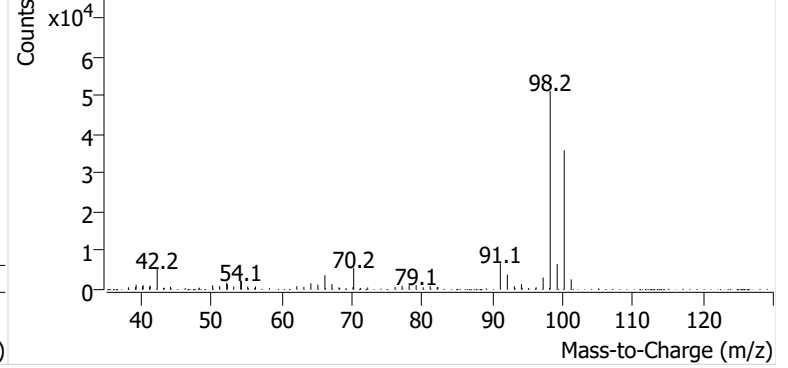


**Toluene-d8 (IS)**

+ EIC (98.1) Scan M2600037.d

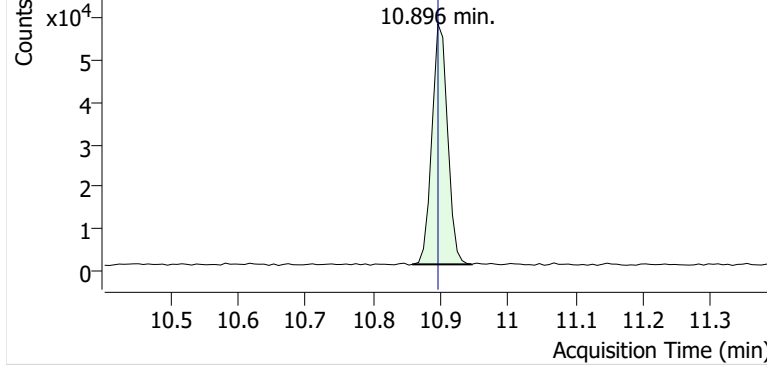


+ Scan (10.753-10.896 min, 21 scans) M2600037.d

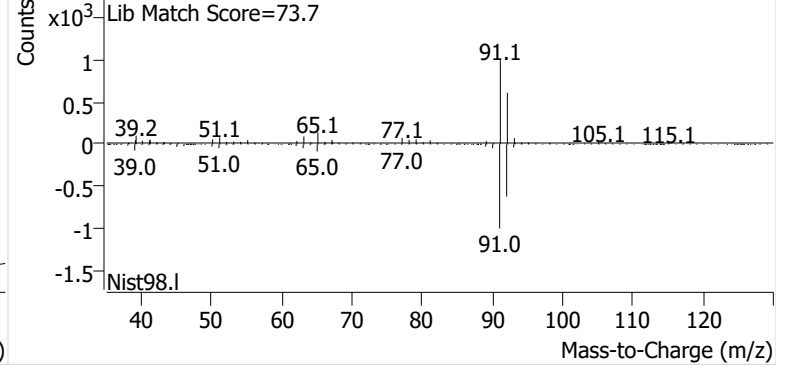


**Toluene**

+ EIC (91.1) Scan M2600037.d

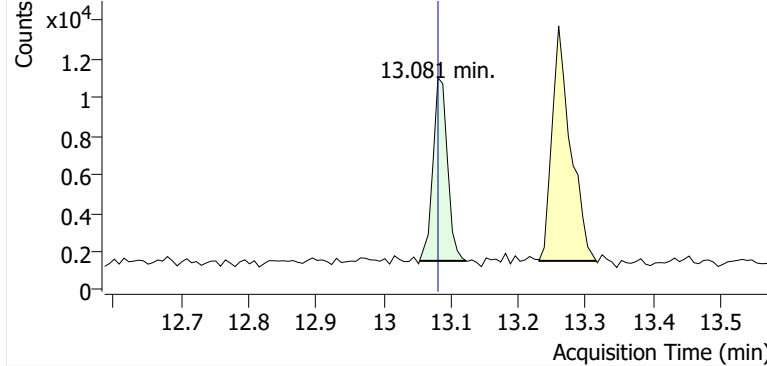


+ Scan (10.858-10.946 min, 13 scans) M2600037.d

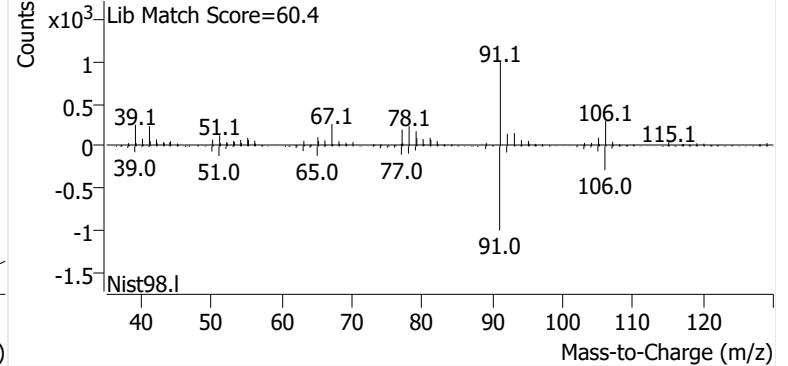


**Ethylbenzene**

+ EIC (91.1) Scan M2600037.d

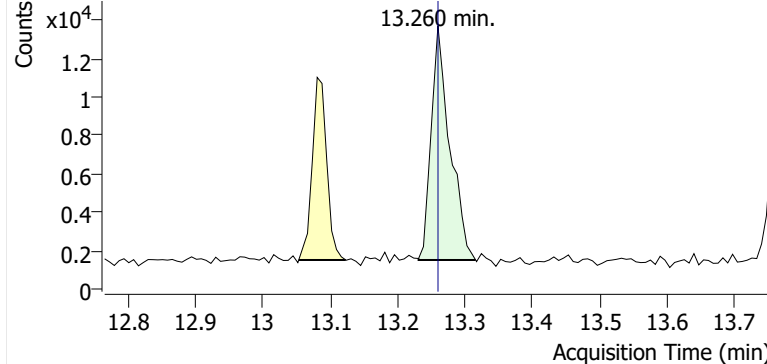


+ Scan (13.054-13.123 min, 9 scans) M2600037.d

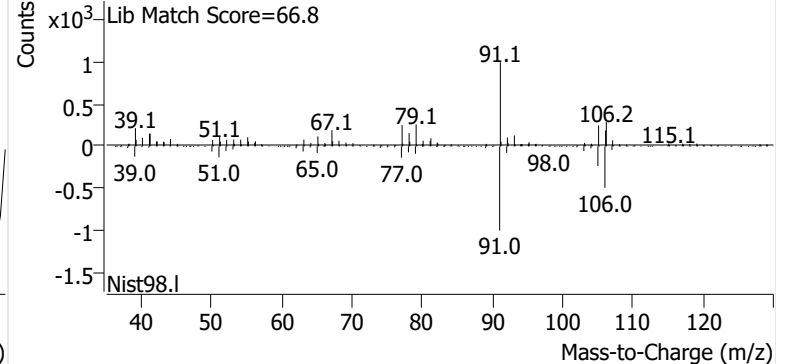


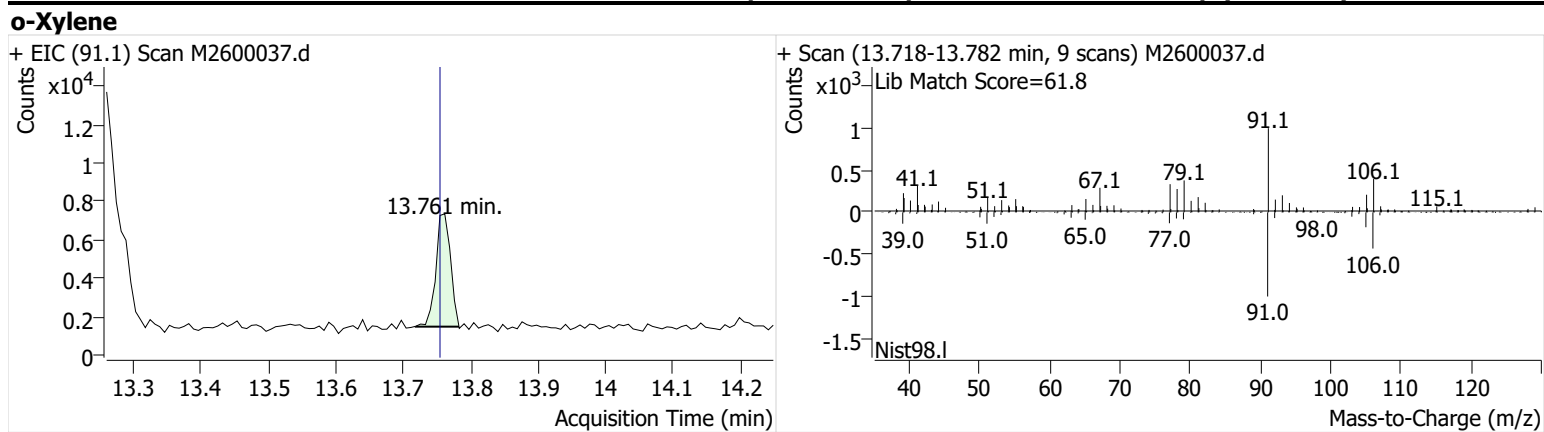
**m-/p-Xylenes**

+ EIC (91.1) Scan M2600037.d



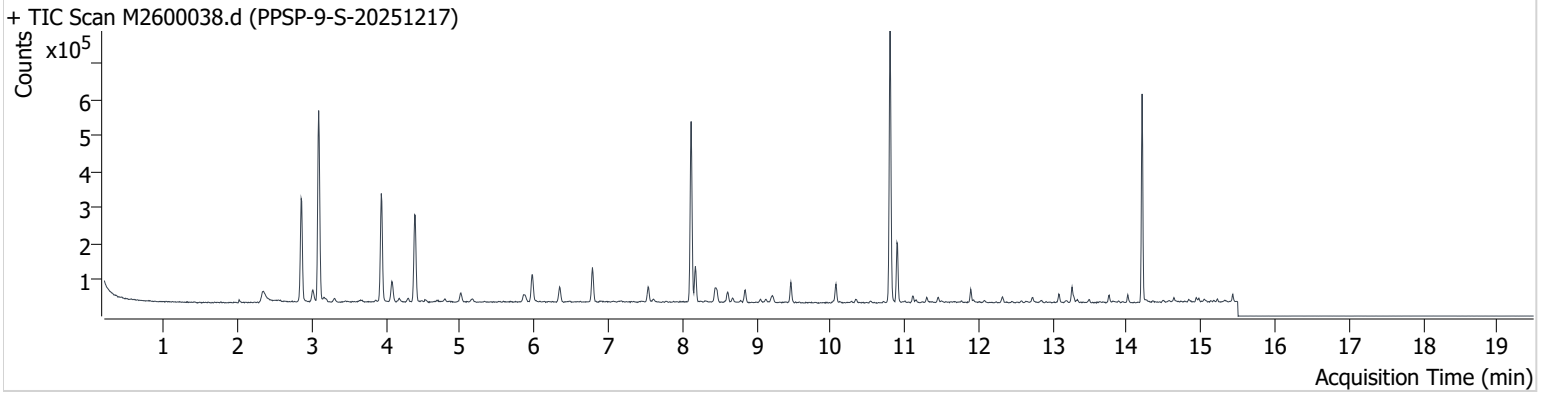
+ Scan (13.231-13.316 min, 12 scans) M2600037.d





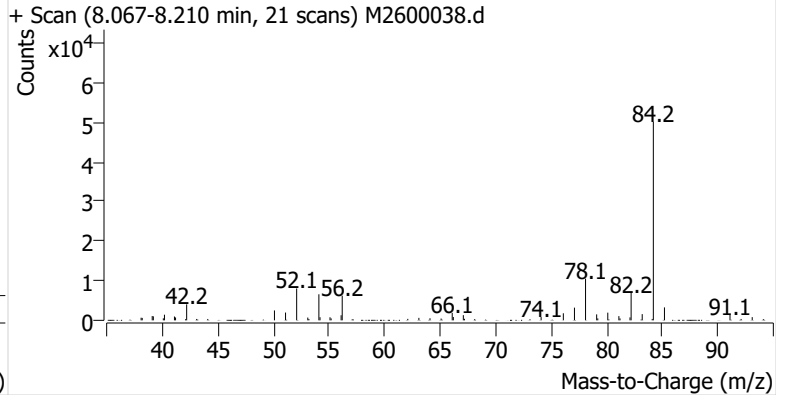
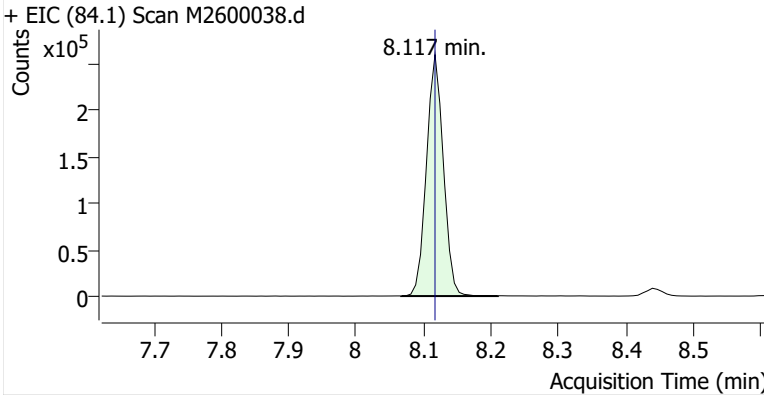
**Name** PPSP-9-S-20251217  
**Comment** C01371  
**Data File** M2600038.d  
**Acq. Date-Time** 1/5/2026 8:15:28 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

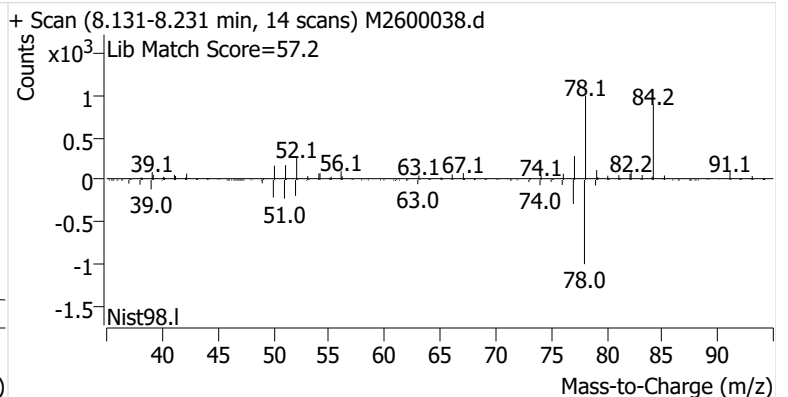
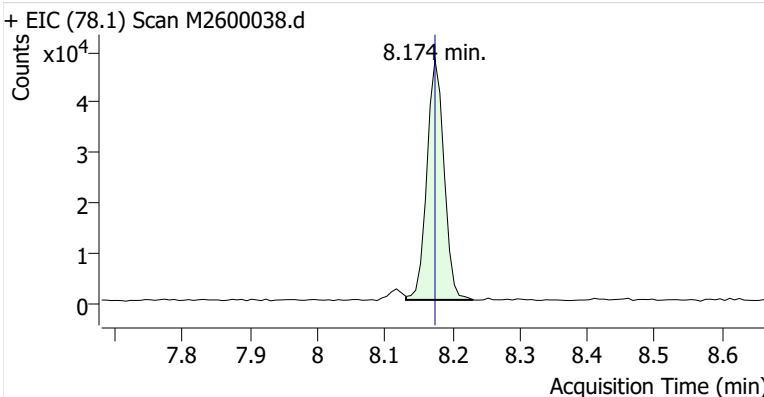


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.117	8.117	453,840	
Benzene	Benzene-d6 (IS)	8.174	8.174	84,115	
Toluene-d8 (IS)		10.803	10.803	473,115	
Toluene	Toluene-d8 (IS)	10.896	10.896	112,942	
Ethylbenzene	Toluene-d8 (IS)	13.081	13.081	15,390	
m-/p-Xylenes	Toluene-d8 (IS)	13.260	13.260	29,407	
o-Xylene	Toluene-d8 (IS)	13.761	13.754	11,108	

**Benzene-d6 (IS)**

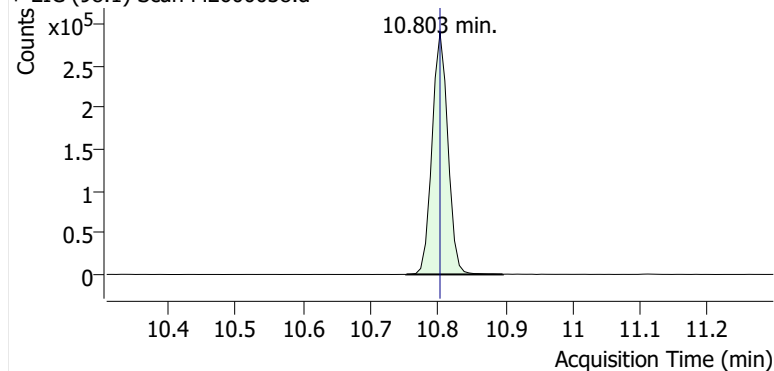


**Benzene**

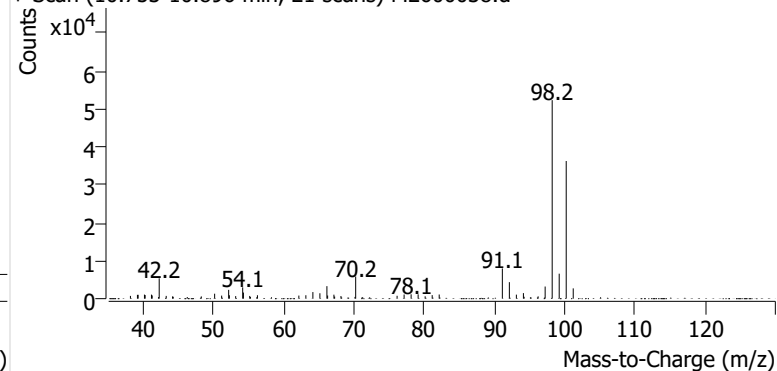


**Toluene-d8 (IS)**

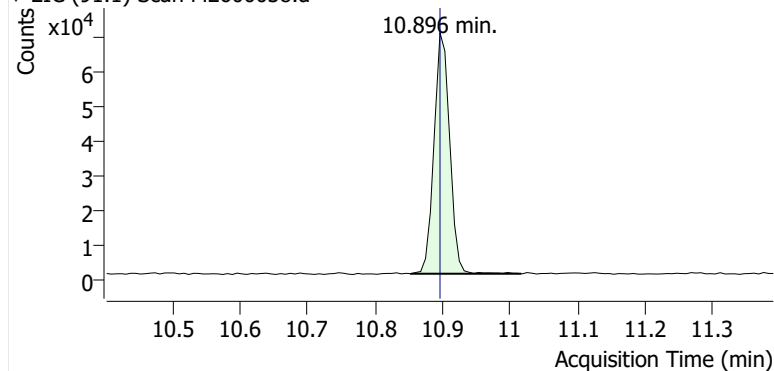
+ EIC (98.1) Scan M2600038.d



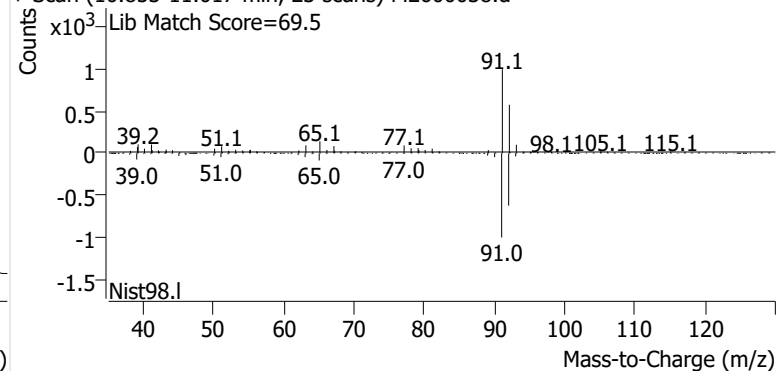
+ Scan (10.753-10.896 min, 21 scans) M2600038.d

**Toluene**

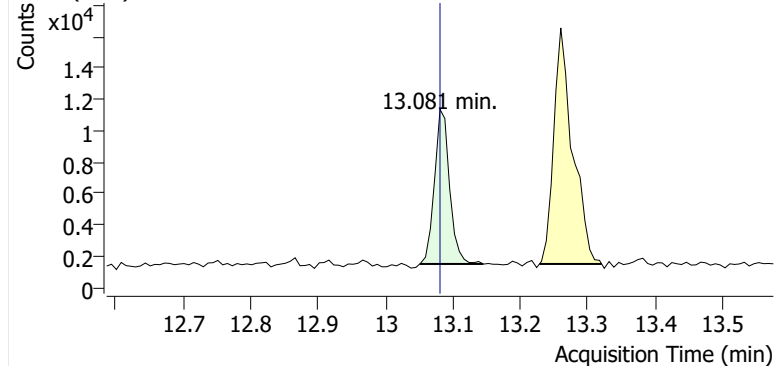
+ EIC (91.1) Scan M2600038.d



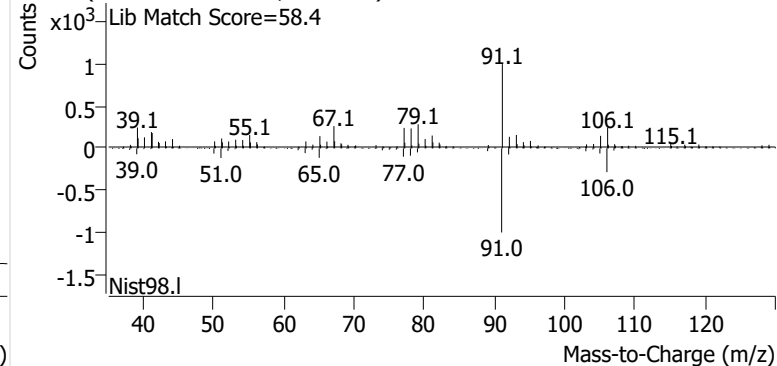
+ Scan (10.853-11.017 min, 23 scans) M2600038.d

**Ethylbenzene**

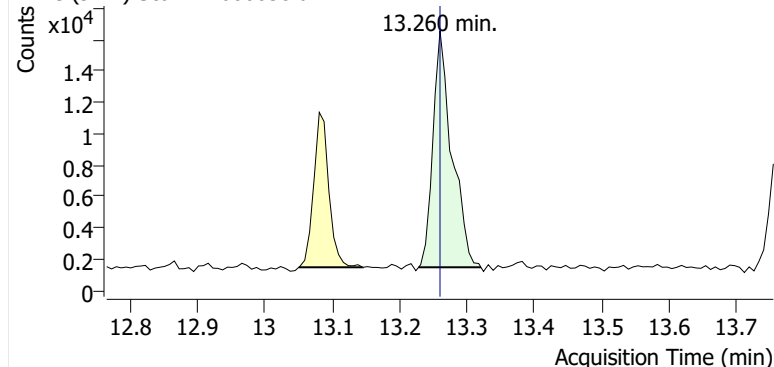
+ EIC (91.1) Scan M2600038.d



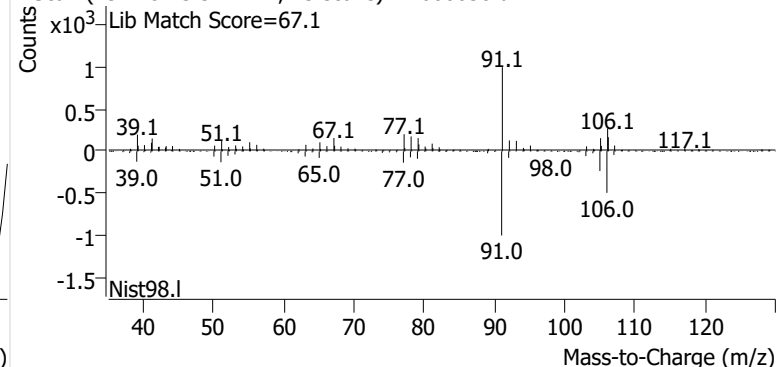
+ Scan (13.051-13.145 min, 13 scans) M2600038.d

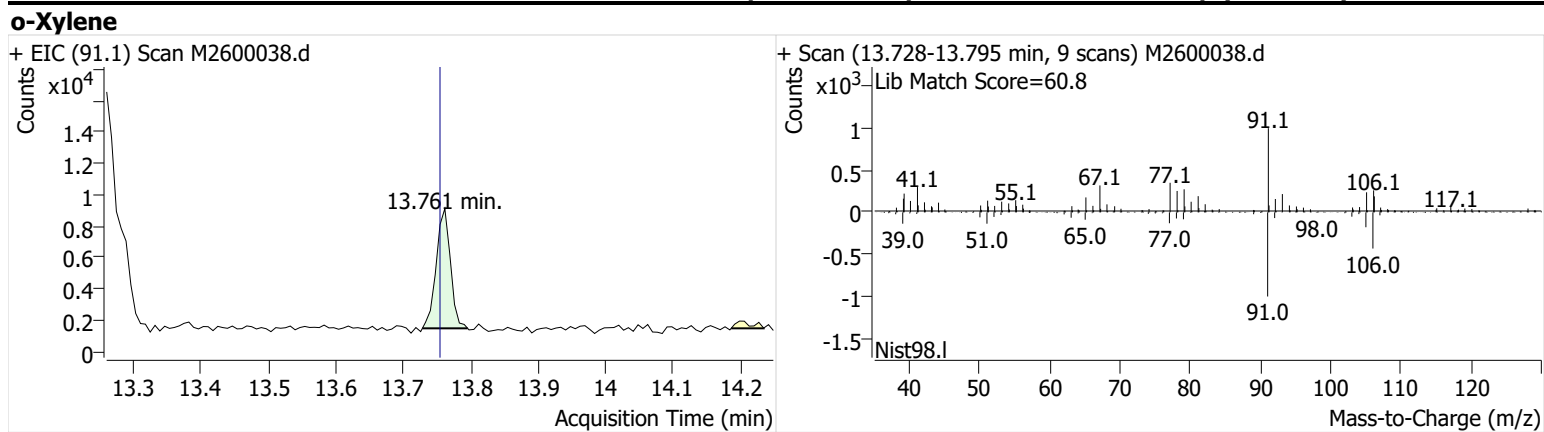
**m-/p-Xylenes**

+ EIC (91.1) Scan M2600038.d



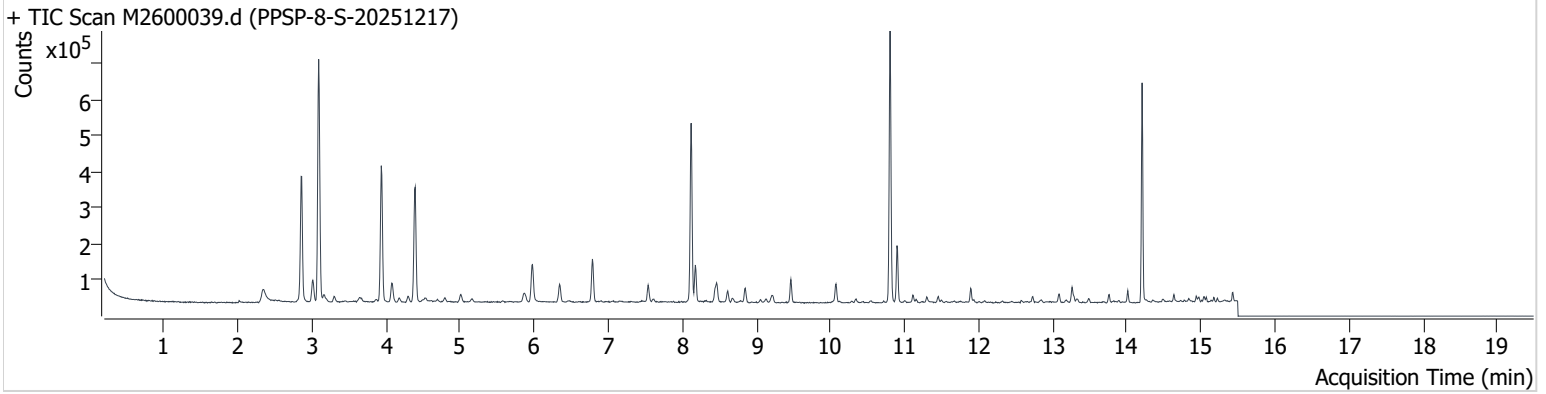
+ Scan (13.228-13.321 min, 13 scans) M2600038.d





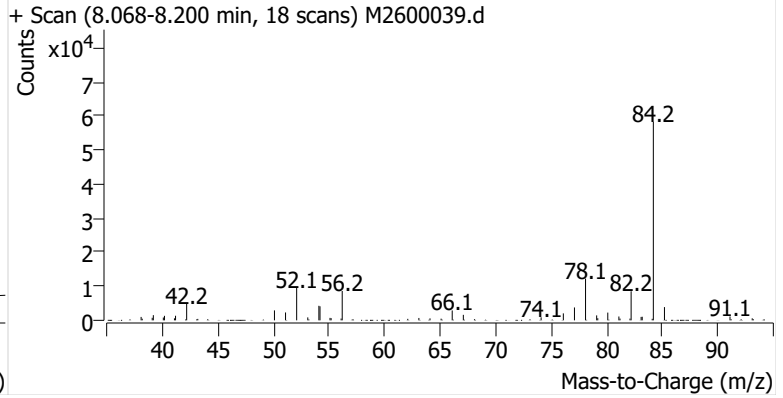
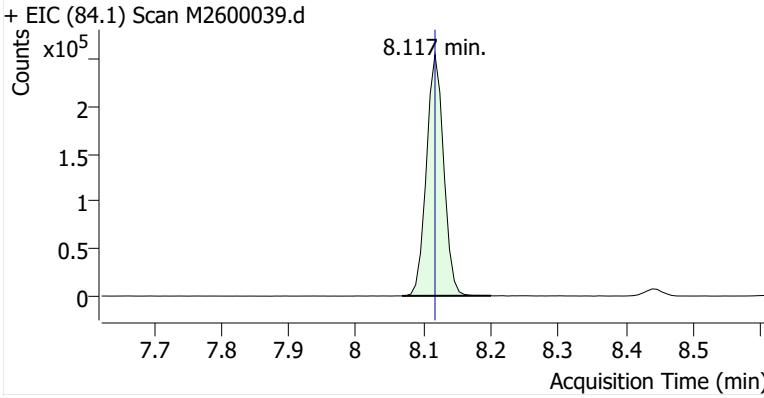
**Name** PPSP-8-S-20251217  
**Comment** C33733  
**Data File** M2600039.d  
**Acq. Date-Time** 1/5/2026 8:40:57 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carboxpack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

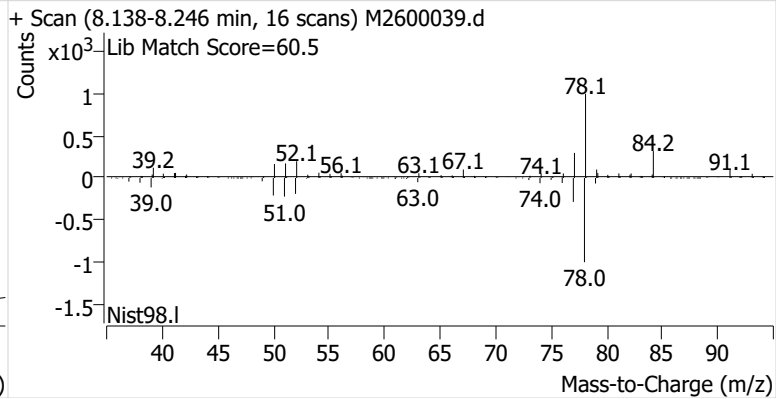
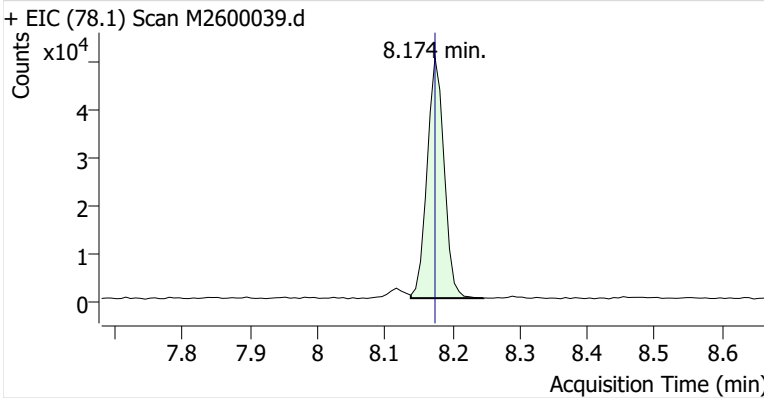


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.117	8.117	451,390	
Benzene	Benzene-d6 (IS)	8.174	8.174	87,587	
Toluene-d8 (IS)		10.803	10.803	472,365	
Toluene	Toluene-d8 (IS)	10.896	10.896	103,037	
Ethylbenzene	Toluene-d8 (IS)	13.088	13.081	15,851	
m-/p-Xylenes	Toluene-d8 (IS)	13.260	13.260	29,296	
o-Xylene	Toluene-d8 (IS)	13.761	13.754	11,154	

**Benzene-d6 (IS)**

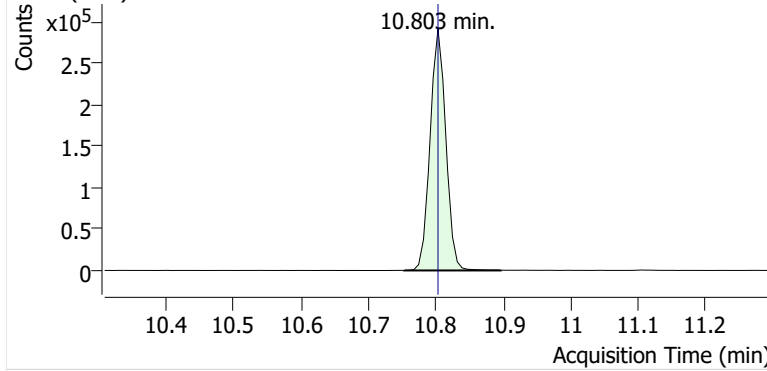


**Benzene**

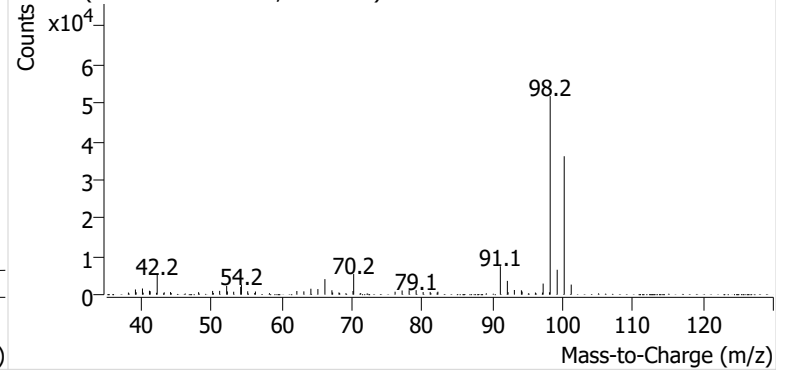


**Toluene-d8 (IS)**

+ EIC (98.1) Scan M2600039.d

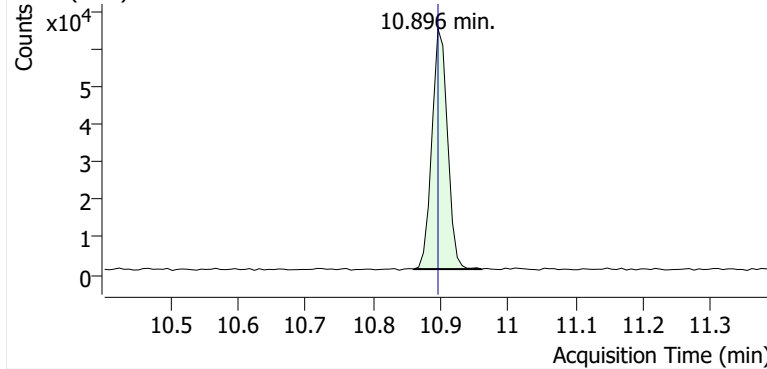


+ Scan (10.753-10.896 min, 21 scans) M2600039.d

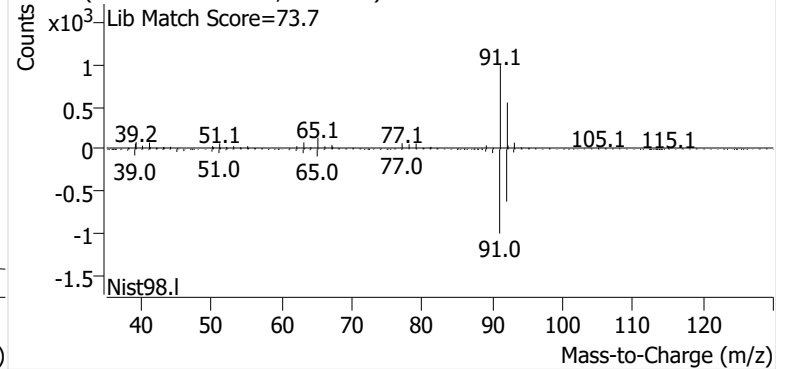


**Toluene**

+ EIC (91.1) Scan M2600039.d

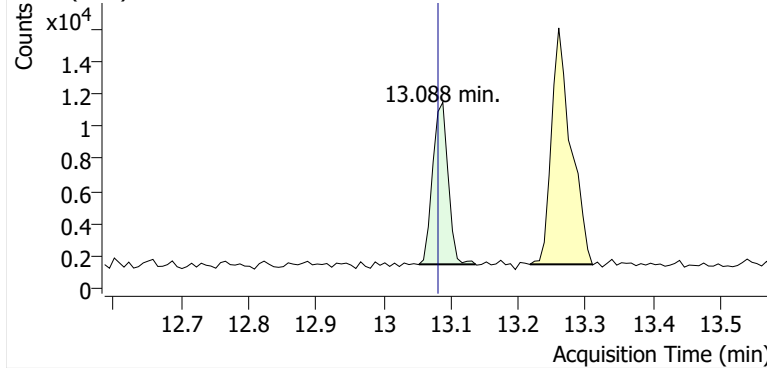


+ Scan (10.860-10.961 min, 15 scans) M2600039.d

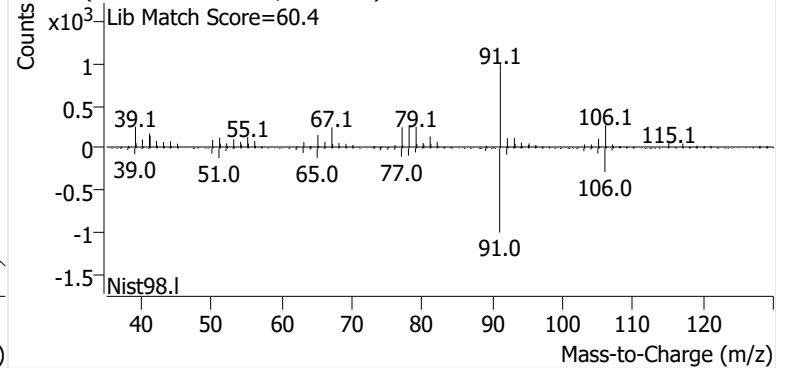


**Ethylbenzene**

+ EIC (91.1) Scan M2600039.d

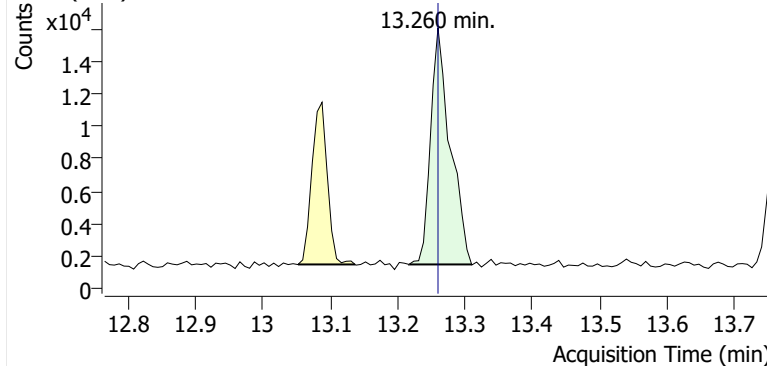


+ Scan (13.053-13.137 min, 11 scans) M2600039.d

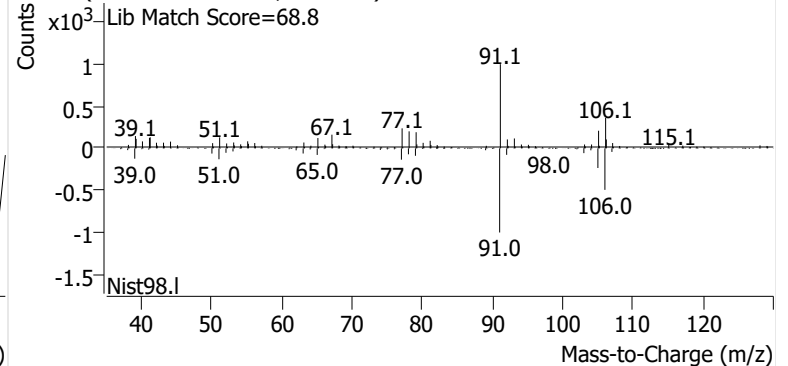


**m-/p-Xylenes**

+ EIC (91.1) Scan M2600039.d

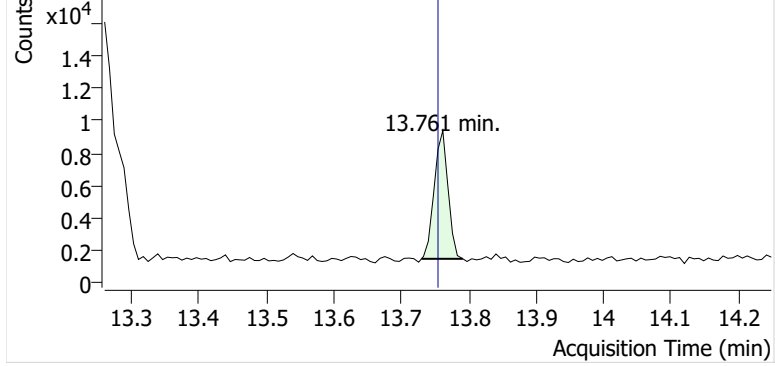


+ Scan (13.217-13.310 min, 13 scans) M2600039.d

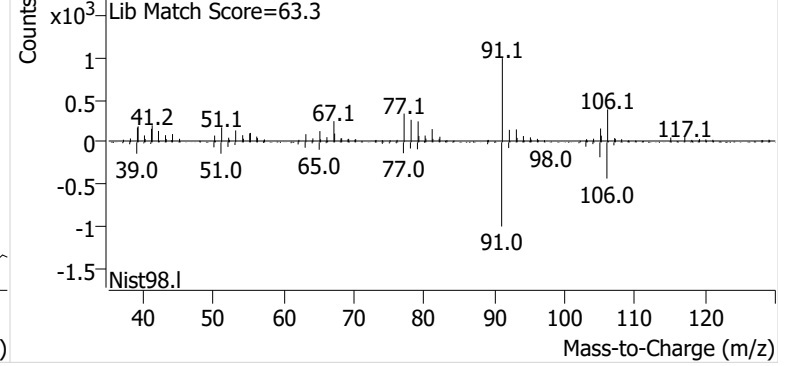


**o-Xylene**

+ EIC (91.1) Scan M2600039.d

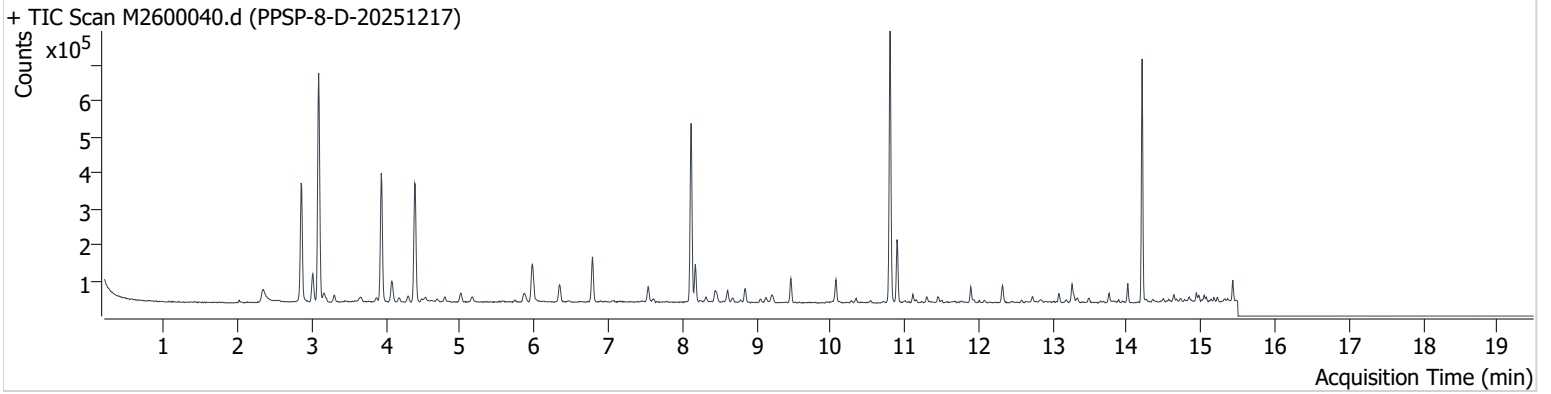


+ Scan (13.730-13.791 min, 9 scans) M2600039.d



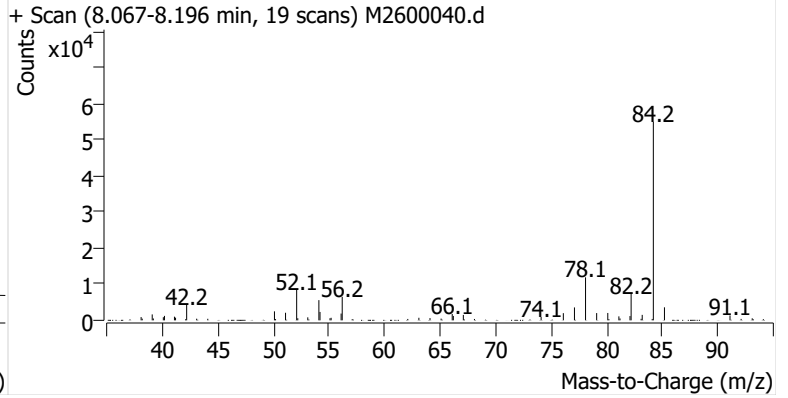
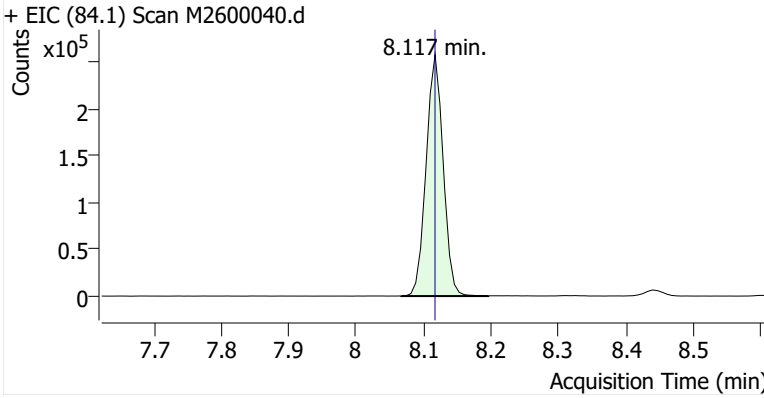
**Name** PPSP-8-D-20251217  
**Comment** C60290  
**Data File** M2600040.d  
**Acq. Date-Time** 1/5/2026 9:06:17 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

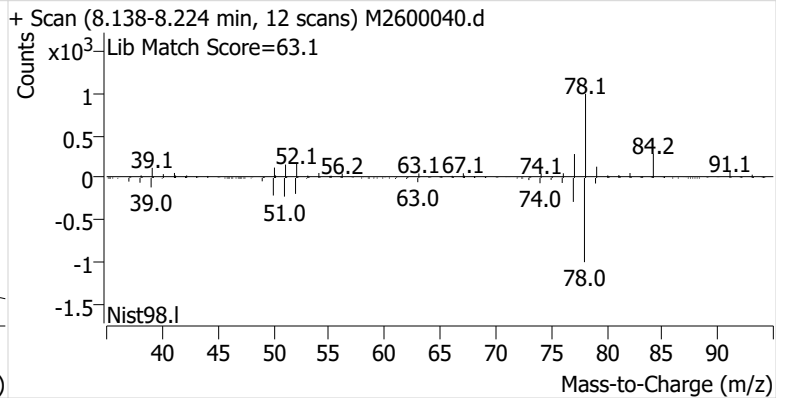
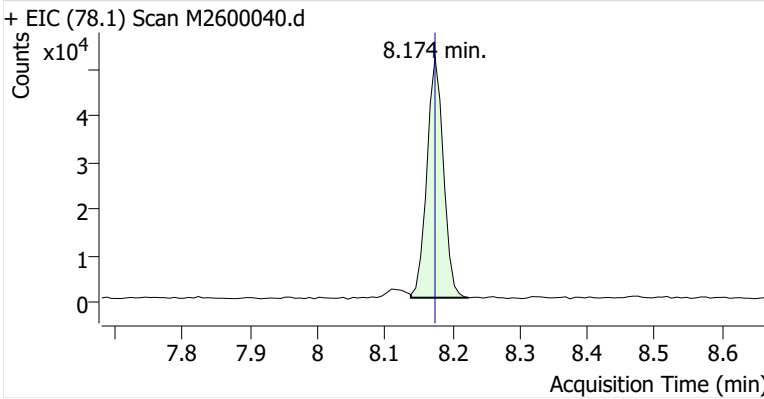


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.117	8.117	451,931	
Benzene	Benzene-d6 (IS)	8.174	8.174	87,584	
Toluene-d8 (IS)		10.803	10.803	471,981	
Toluene	Toluene-d8 (IS)	10.896	10.896	117,465	
Ethylbenzene	Toluene-d8 (IS)	13.088	13.081	15,095	
m-/p-Xylenes	Toluene-d8 (IS)	13.260	13.260	36,039	
o-Xylene	Toluene-d8 (IS)	13.761	13.754	13,123	

**Benzene-d6 (IS)**

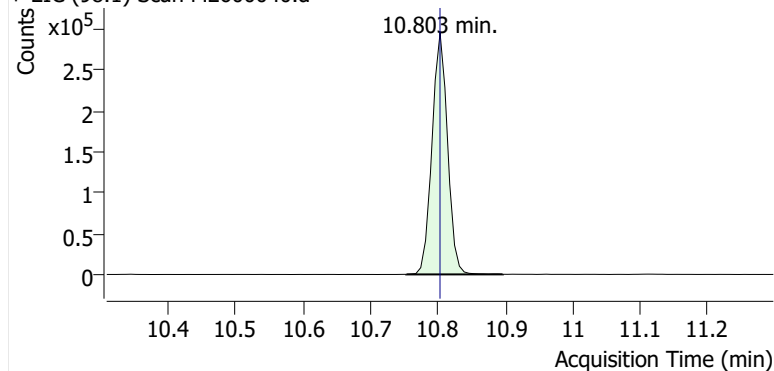


**Benzene**

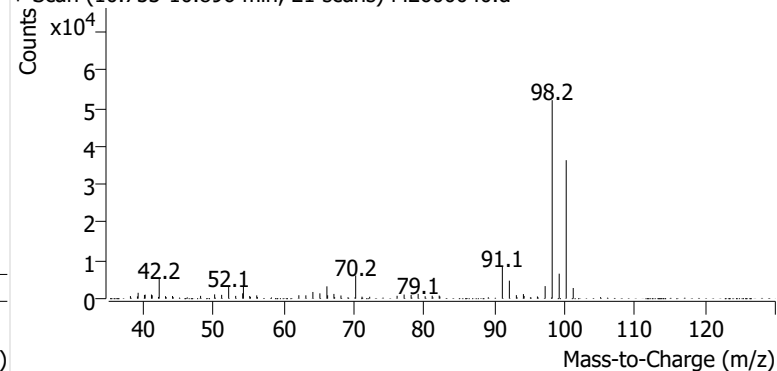


**Toluene-d8 (IS)**

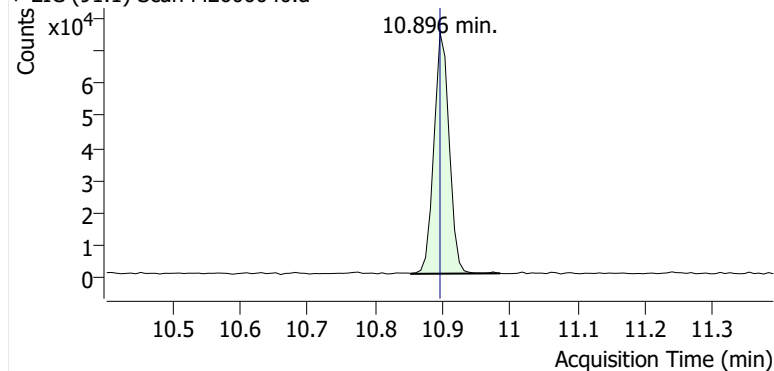
+ EIC (98.1) Scan M2600040.d



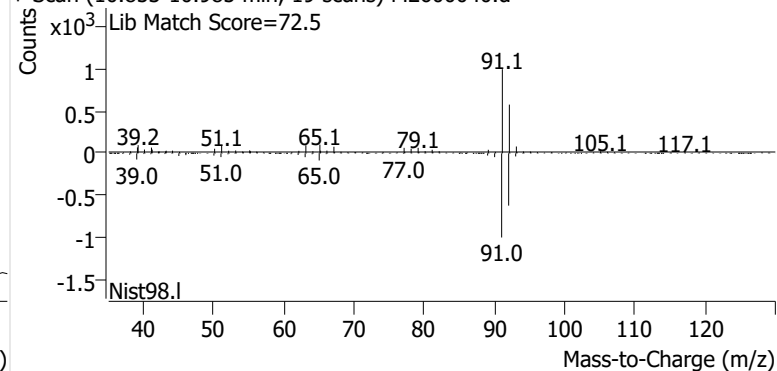
+ Scan (10.753-10.896 min, 21 scans) M2600040.d

**Toluene**

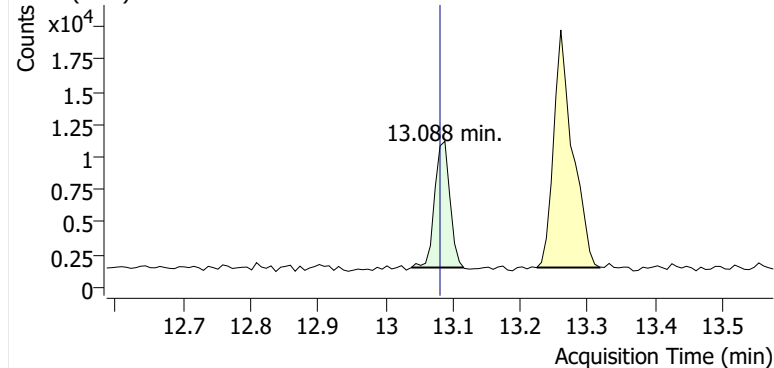
+ EIC (91.1) Scan M2600040.d



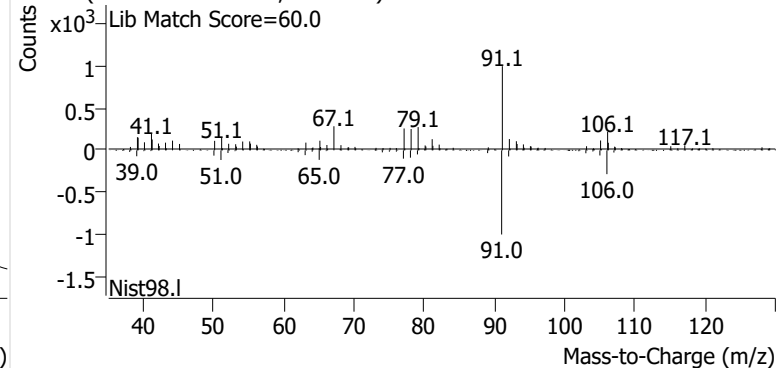
+ Scan (10.853-10.985 min, 19 scans) M2600040.d

**Ethylbenzene**

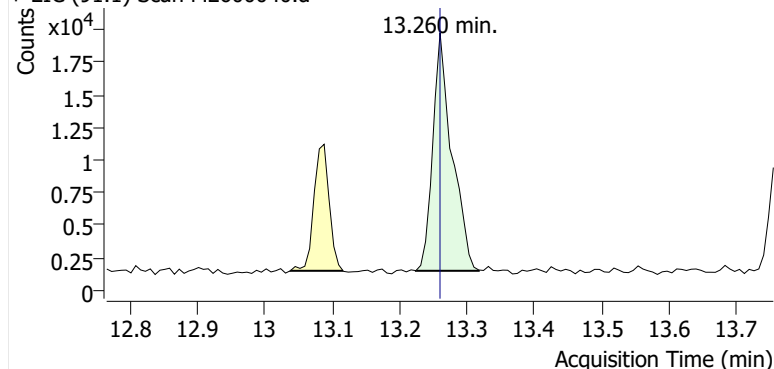
+ EIC (91.1) Scan M2600040.d



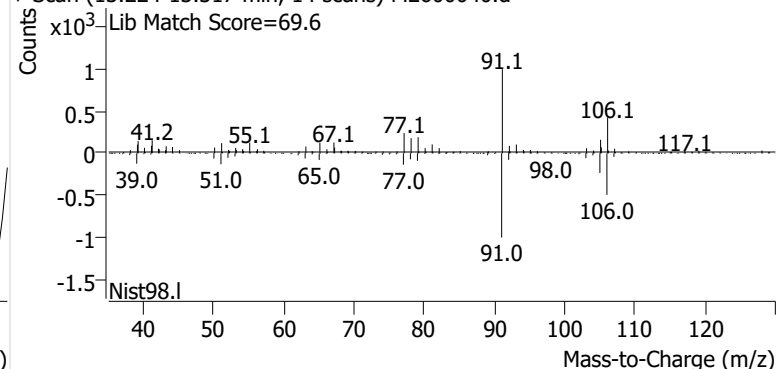
+ Scan (13.038-13.116 min, 10 scans) M2600040.d

**m-/p-Xylenes**

+ EIC (91.1) Scan M2600040.d

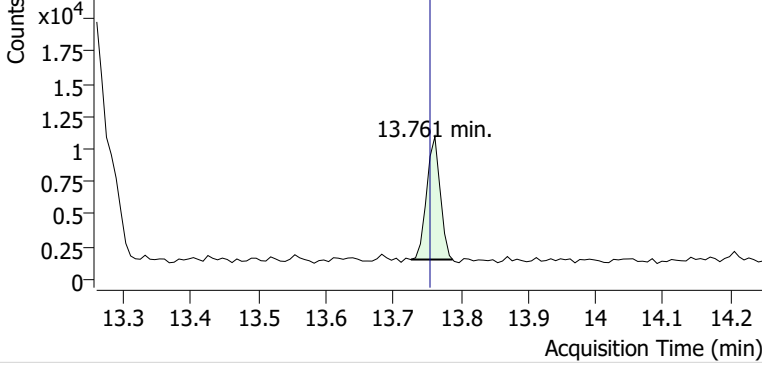


+ Scan (13.224-13.317 min, 14 scans) M2600040.d

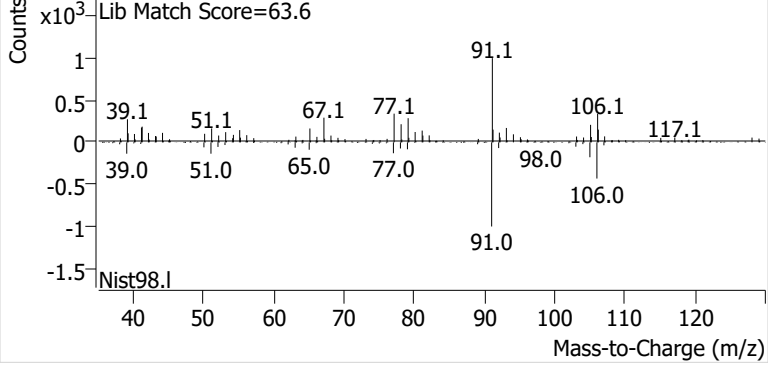


**o-Xylene**

+ EIC (91.1) Scan M2600040.d

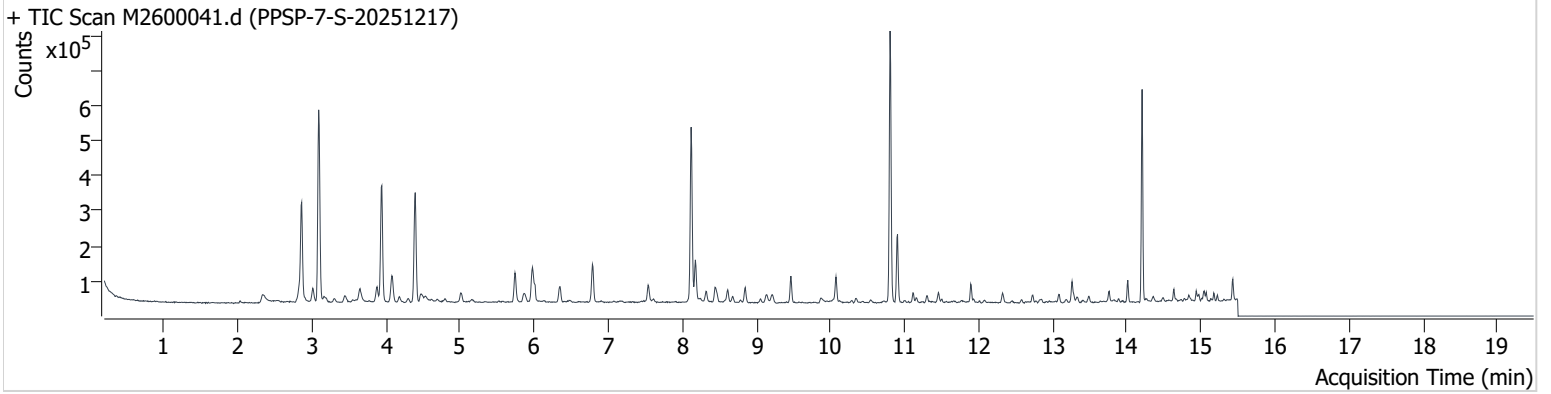


+ Scan (13.726-13.788 min, 8 scans) M2600040.d



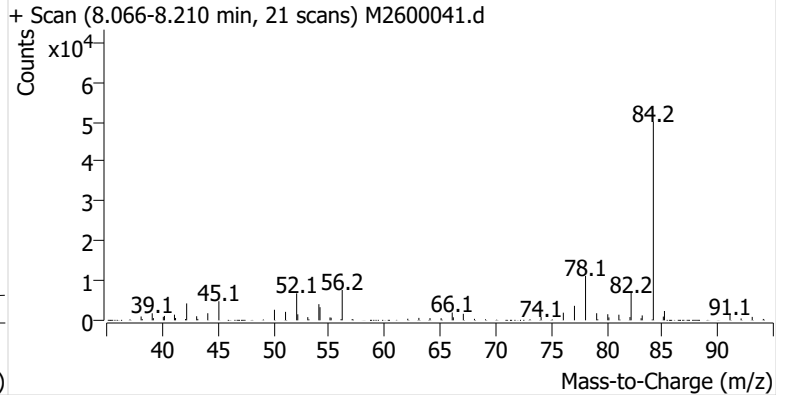
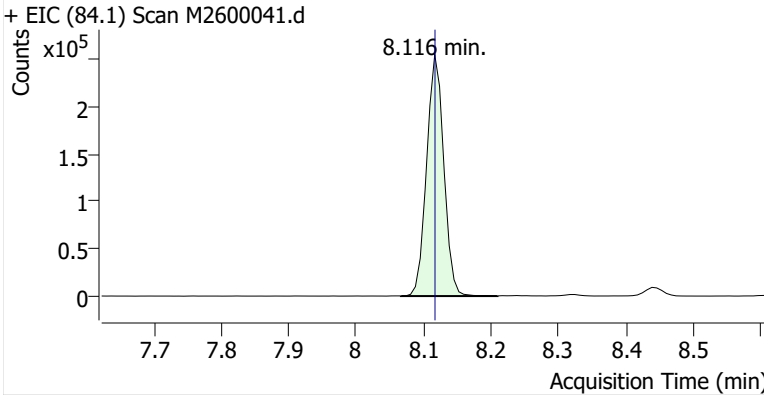
**Name** PPSP-7-S-20251217  
**Comment** C71537  
**Data File** M2600041.d  
**Acq. Date-Time** 1/5/2026 9:31:40 PM  
**Acq. Method File** M325B-MTD  
**Tube Sorbent** Carbopack X  
**Analyze Quant Version** 12.1  
**Report Quant Version** 12.1

**Sample Chromatogram**

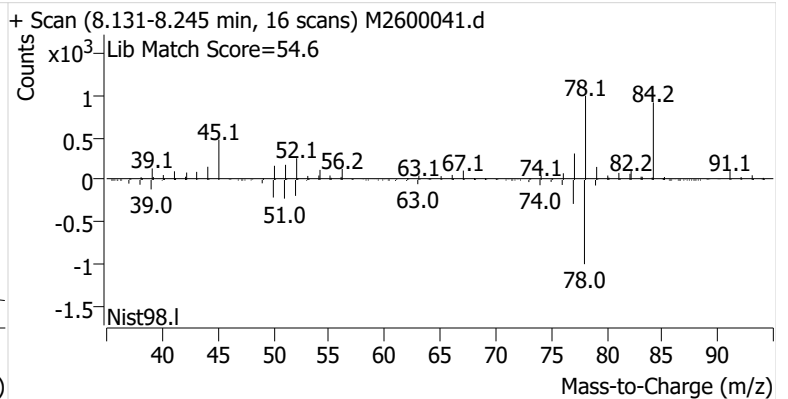
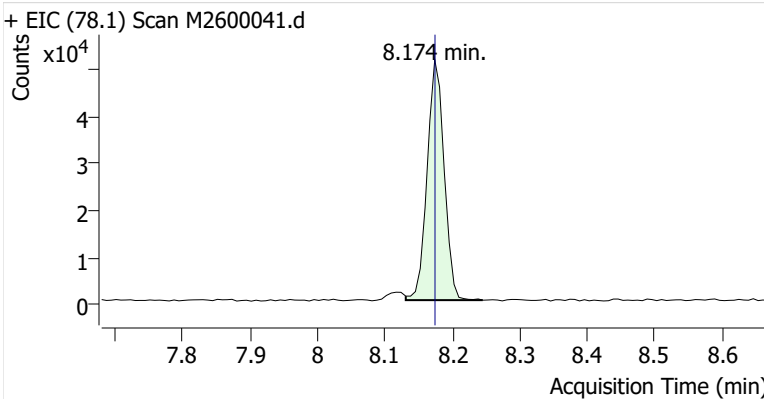


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.116	8.117	452,073	
Benzene	Benzene-d6 (IS)	8.174	8.174	89,428	
Toluene-d8 (IS)		10.803	10.803	486,025	
Toluene	Toluene-d8 (IS)	10.903	10.896	129,965	
Ethylbenzene	Toluene-d8 (IS)	13.080	13.081	15,732	
m-/p-Xylenes	Toluene-d8 (IS)	13.260	13.260	40,804	
o-Xylene	Toluene-d8 (IS)	13.761	13.754	16,504	

**Benzene-d6 (IS)**

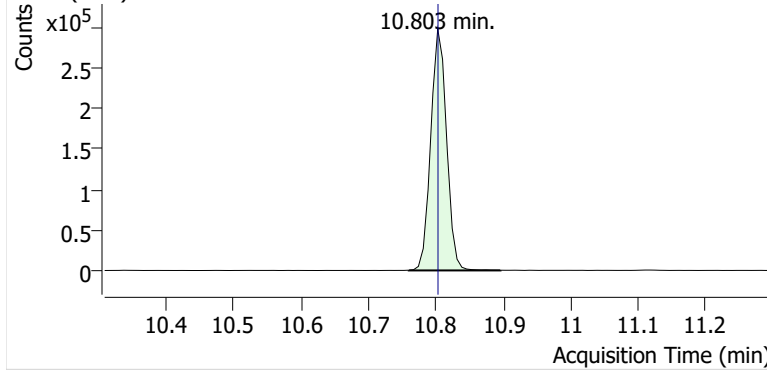


**Benzene**

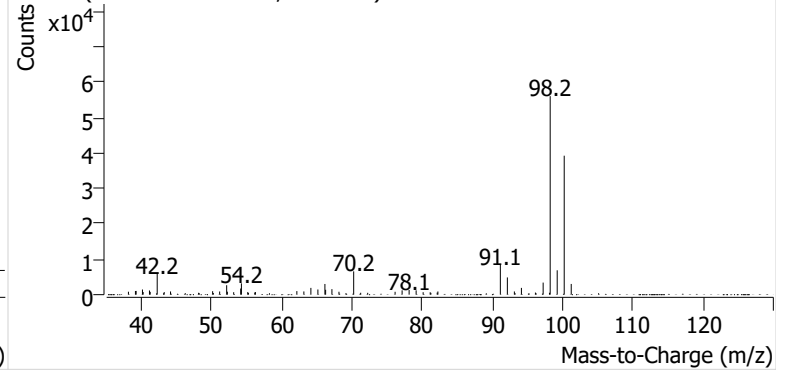


**Toluene-d8 (IS)**

+ EIC (98.1) Scan M2600041.d

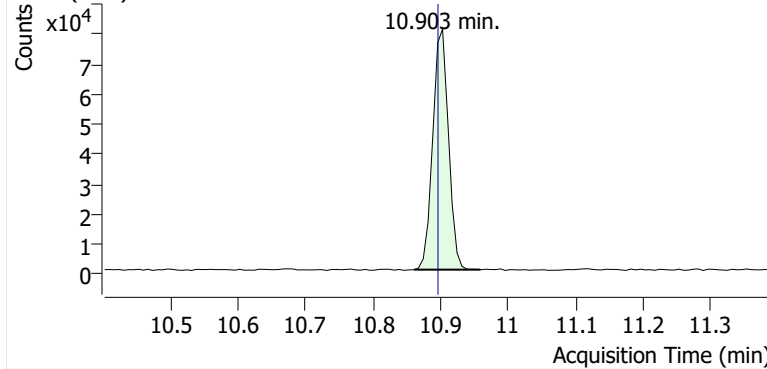


+ Scan (10.760-10.896 min, 20 scans) M2600041.d

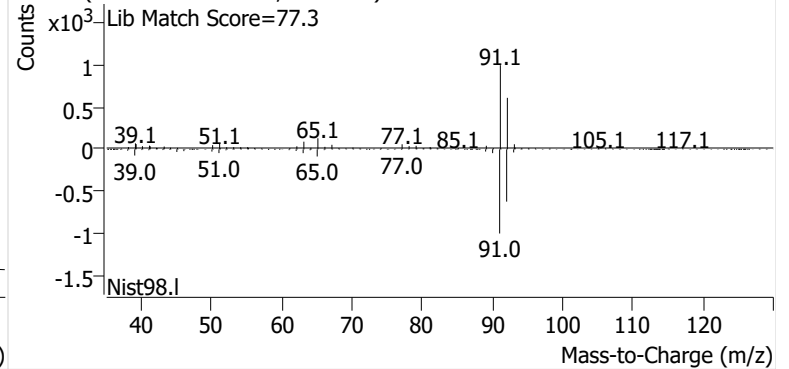


**Toluene**

+ EIC (91.1) Scan M2600041.d

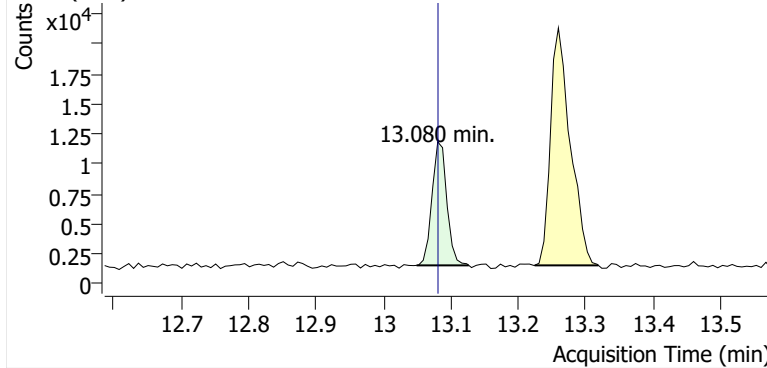


+ Scan (10.860-10.959 min, 13 scans) M2600041.d

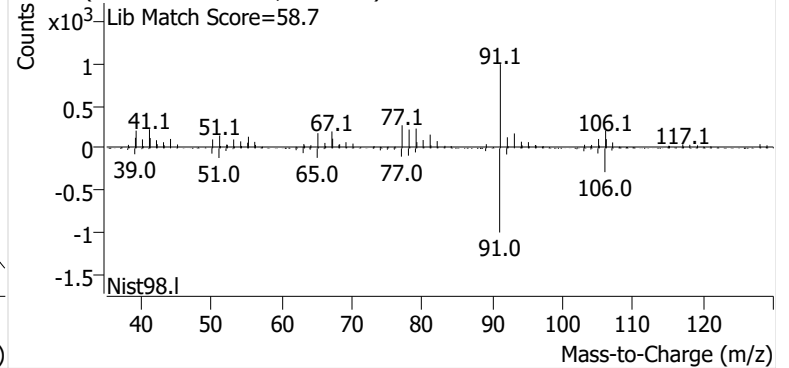


**Ethylbenzene**

+ EIC (91.1) Scan M2600041.d

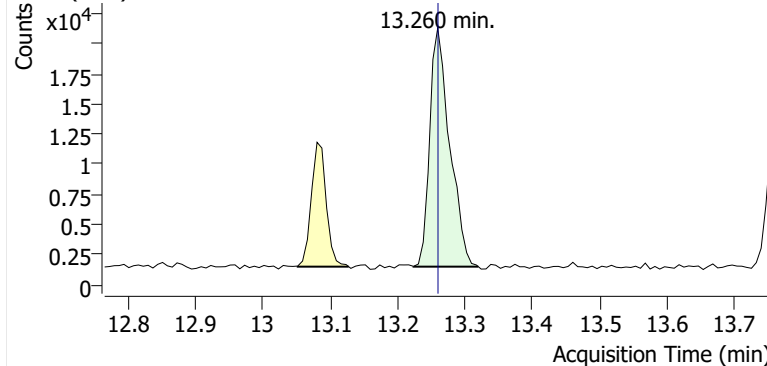


+ Scan (13.049-13.127 min, 11 scans) M2600041.d

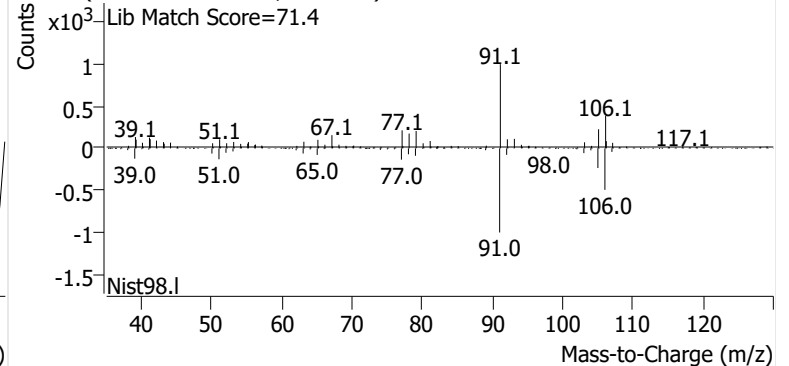


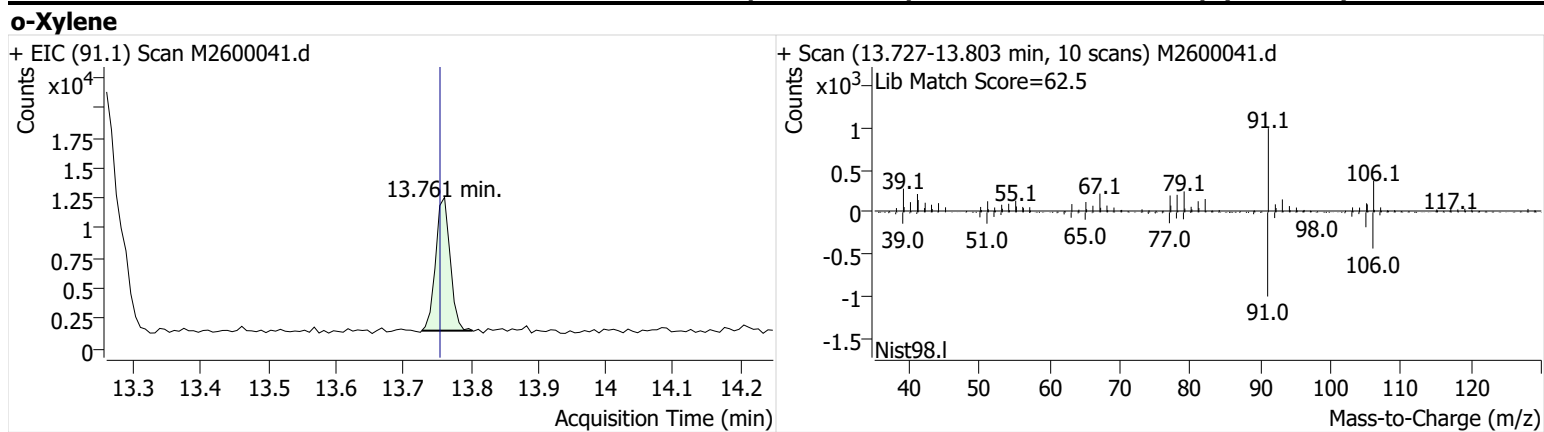
**m-/p-Xylenes**

+ EIC (91.1) Scan M2600041.d



+ Scan (13.224-13.320 min, 14 scans) M2600041.d





# Initial Calibration



# Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW407-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

## Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
M121225A_CC185154	Benzene	1	M2505427.d	5.96	48515	55.2	513694	0.875	-0.013
M121225A_CC185154	Benzene	2	M2505428.d	11.93	102852	55.2	507404	0.939	0.059
M121225A_CC185154	Benzene	3	M2505429.d	23.85	205678	55.2	504384	0.944	0.065
M121225A_CC185154	Benzene	4	M2505430.d	47.70	404512	55.2	499768	0.937	0.057
M121225A_CC185154	Benzene	5	M2505431.d	119.26	974155	55.2	501096	0.900	0.015
M121225A_CC185154	Benzene	6	M2505432.d	238.51	1820631	55.2	498432	0.846	-0.046
M121225A_CC185154	Benzene	7	M2505433.d	715.53	4983545	55.2	502133	0.766	-0.14
							Avg:	503844	0.887
							%RSD:	1.0%	7.3%
M121225A_CC185154	Toluene	1	M2505427.d	5.24	46763	65.2	535953	1.086	0.017
M121225A_CC185154	Toluene	2	M2505428.d	10.47	97140	65.2	536707	1.126	0.055
M121225A_CC185154	Toluene	3	M2505429.d	20.95	199821	65.2	534549	1.163	0.09
M121225A_CC185154	Toluene	4	M2505430.d	41.90	396271	65.2	530130	1.163	0.089
M121225A_CC185154	Toluene	5	M2505431.d	104.74	904555	65.2	531294	1.059	-0.0074
M121225A_CC185154	Toluene	6	M2505432.d	209.48	1656753	65.2	527287	0.977	-0.084
M121225A_CC185154	Toluene	7	M2505433.d	628.45	4615004	65.2	533815	0.897	-0.16
							Avg:	532819	1.067
							%RSD:	0.6%	9.3%
M121225A_CC185154	Ethylbenzene	1	M2505427.d	5.44	51330	65.2	535953	1.147	-0.066
M121225A_CC185154	Ethylbenzene	2	M2505428.d	10.89	121075	65.2	536707	1.351	0.1
M121225A_CC185154	Ethylbenzene	3	M2505429.d	21.77	240980	65.2	534549	1.349	0.099
M121225A_CC185154	Ethylbenzene	4	M2505430.d	43.54	485510	65.2	530130	1.371	0.12
M121225A_CC185154	Ethylbenzene	5	M2505431.d	108.86	1100323	65.2	531294	1.240	0.0096
M121225A_CC185154	Ethylbenzene	6	M2505432.d	217.72	1988043	65.2	527287	1.129	-0.081
M121225A_CC185154	Ethylbenzene	7	M2505433.d	653.16	5408274	65.2	533815	1.011	-0.18
							Avg:	532819	1.228
							%RSD:	0.6%	11.2%
M121225A_CC185154	m-/p-Xylenes	1	M2505427.d	6.10	46170	65.2	535953	0.920	-0.089
M121225A_CC185154	m-/p-Xylenes	2	M2505428.d	12.20	109700	65.2	536707	1.092	0.08
M121225A_CC185154	m-/p-Xylenes	3	M2505429.d	24.40	218724	65.2	534549	1.093	0.081
M121225A_CC185154	m-/p-Xylenes	4	M2505430.d	48.80	449574	65.2	530130	1.133	0.12
M121225A_CC185154	m-/p-Xylenes	5	M2505431.d	122.00	1017661	65.2	531294	1.023	0.012
M121225A_CC185154	m-/p-Xylenes	6	M2505432.d	244.00	1851661	65.2	527287	0.938	-0.072
M121225A_CC185154	m-/p-Xylenes	7	M2505433.d	732.01	5255310	65.2	533815	0.876	-0.13
							Avg:	532819	1.011
							%RSD:	0.6%	9.9%
M121225A_CC185154	o-Xylene	1	M2505427.d	5.67	42389	65.2	535953	0.909	-0.084
M121225A_CC185154	o-Xylene	2	M2505428.d	11.35	101376	65.2	536707	1.085	0.094
M121225A_CC185154	o-Xylene	3	M2505429.d	22.69	205704	65.2	534549	1.105	0.11

## Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW407-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

### Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
M121225A_CC185154	o-Xylene	4	M2505430.d	45.38	415129	65.2	530130	1.124	0.13
M121225A_CC185154	o-Xylene	5	M2505431.d	113.46	922237	65.2	531294	0.997	0.0055
M121225A_CC185154	o-Xylene	6	M2505432.d	226.92	1641246	65.2	527287	0.894	-0.099
M121225A_CC185154	o-Xylene	7	M2505433.d	680.75	4612723	65.2	533815	0.827	-0.17
							Avg:	532819	0.992
							%RSD:	0.6%	11.8%

### Calibration Curves

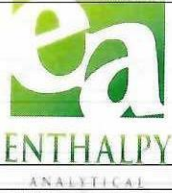
Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
M121225A_CC185154	Benzene	ICV	M2505434.d	443.46	3122138	55.2	499958	0.778	-12.0%
M121225A_CC185154	Toluene	ICV	M2505434.d	454.10	3319071	65.2	529775	0.899	-16.0%
M121225A_CC185154	Ethylbenzene	ICV	M2505434.d	448.99	3721305	65.2	529775	1.020	-17.0%
M121225A_CC185154	m-/p-Xylenes	ICV	M2505434.d	455.97	3137304	65.2	529775	0.846	-16.0%
M121225A_CC185154	o-Xylene	ICV	M2505434.d	456.85	2995399	65.2	529775	0.807	-19.0%

M325B PDF Report ver.20260106

# Sample Custody



2025FW407



# EPA Method 325 A/B Field Test Data Sheet and Chain of Custody Record

Page # 1 of # 2

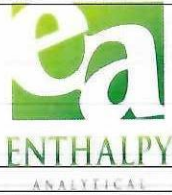
- Standard Turn Around Time (7 business days)
- Rush Turn Around Time
- All TATs Subject to Approval by Enthalpy Analytical, LLC
- Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name: South Portland Terminal	Client Name: Portland Pipe Line	PO#:
Site Address:	Project Number:	Sample Event #
City:	Project Manager: Tom Rolfsen	Sorbent:
State:	Email Address: <a href="mailto:tom.rolfsen@powererg.com">tom.rolfsen@powererg.com</a>	
Zip:	Telephone #:	

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
6	C69650	sample	12/17/25	10:36 AM	12/31/25	11:15 AM	JB / JB		
5	C00627	sample	12/17/25	10:40 AM	12/31/25	11:22 AM	JB / JB		
4	C20432	sample	12/17/25	10:43 AM	12/31/25	11:26 AM	JB / JB		
3	C57479	sample	12/17/25	10:47 AM	12/31/25	11:30 AM	JB / JB		
2	C55544	sample	12/17/25	10:53 AM	12/31/25	11:32 AM	JB / JB		
1	C60257	sample	12/17/25	10:56 AM	12/31/25	11:34 AM	JB / JB		
1	C43380	blank	12/17/25	10:56 AM	12/31/25	11:34 AM	JB / JB		
13	C01843	sample	12/17/25	10:59 AM	12/31/25	11:38 AM	JB / JB		

Relinquished By (printed): <b>Jen Bowidowicz</b>	Relinquished By (signature): <i>Jennifer Bowidowicz</i>	Relinquished Date: <b>12/31/2025</b>	Relinquished Time:
Recieved By (printed): <i>Daniel Simpson</i>	Recieved By (signature): <i>Daniel Simpson</i>	Receipt Date: <b>1/5/26</b>	Receipt Time: <b>10:15 AM</b>
Sample Condition Upon Receipt: <b>Good</b>	Compound List: <b>BTEX</b>	Custody Seal intact? Y/N: <b>Y</b>	Delivery tracking #
Ice Temp: _____	Blank Temp: <b>17.9</b> <i>Fluke 4</i>	Add Custody Seal # below: <b>25D06200</b>	

**Comments:** Please pull the ambient temp from the KPWM NOAA station. Thank you



# EPA Method 325 A/B Field Test Data Sheet and Chain of Custody Record

Page # 2 of # 2

- Standard Turn Around Time (7 business days)
- Rush Turn Around Time
- All TATs Subject to Approval by Enthalpy Analytical, LLC
- Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name: South Portland Terminal	Client Name: Portland Pipe Line	PO#:
Site Address:	Project Number:	Sample Event #:
City:	Project Manager: Tom Rolfsen	Sorbent:
State:	Email Address: <a href="mailto:tom.rolfsen@powererg.com">tom.rolfsen@powererg.com</a>	
Zip:	Telephone #:	

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
12	C60002	sample	12/17/25	11:04 AM	12/31/25	11:45 AM	JB / JB		
11	C43250	sample	12/17/25	11:07 AM	12/31/25	① 1:48 AM	JB / JB		
10	B52910	sample	12/17/25	11:10 AM	12/31/25	11:52 AM	JB / JB		
9	C01371	sample	12/17/25	11:13 AM	12/31/25	11:56 AM	JB / JB		
8	C33733	sample	12/17/25	11:17 AM	12/31/25	12:00 PM	JB / JB		
8	C60290	duplicate	12/17/25	11:17 AM	12/31/25	12:00 PM	JB / JB		
7	C71537	sample	12/17/25	11:21 AM	12/31/25	12:04 PM	JB / JB		

Relinquished By (printed): <b>Jen Bowidowicz</b>		Relinquished By (signature): <i>Jenifer Bowidowicz</i>		Relinquished Date: <b>12/31/2025</b>		Relinquished Time:	
Received By (printed): <i>Daniel Simpson</i>		Received By (signature):		Receipt Date: <b>1/5/26</b>		Receipt Time: <b>10:15 AM</b>	
Sample Condition Upon Receipt: <b>Good</b>		Compound List: <b>BTEX</b>		Custody Seal intact? Y/N: <b>Y</b>		Delivery tracking #	
Ice Temp: <i>5</i>	Blank Temp: <b>17.9</b>	Flutey		Add Custody Seal # below: <b>25D06200</b>			

**Comments:** Please pull the ambient temp from the KPWM NOAA station. Thank you  
 ① EE. Should be 11:48 AM DOF 1/5/26

**This Is The Last Page  
Of This Report.**

