

# All4, Inc.

2393 Kimberton Road  
Kimberton, PA 19442

## Coke Oven ICR Sampling Event #02

US Steel Corp - Clairton Works ICR

Project: 00701-0002.00

## Analytical Report (2022EE102)

### *EPA Method 325B*

1,3-Butadiene

Benzene

Ethylbenzene

m/p-Xylene

o-Xylene

Toluene



### Enthalpy Analytical, LLC

Phone: (919) 850 - 4392 / Fax: (919) 850 - 9012 / [www.enthalpy.com](http://www.enthalpy.com)

800-1 Capitola Drive, Durham, NC 27713

I certify that to the best of my knowledge all analytical data presented in this report:

- Have been checked for completeness
- Are accurate, error-free, and legible
- Have been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s)

This analytical report was prepared in Portable Document Format (.PDF) and contains 88 pages.

Report Issued:12/14/2022



# Summary of Results

## Enthalpy Analytical

Company: All4, Inc.

Job No.: 2022EE102-1 EPA Method 325B Analysis

Client No.: 00701-0002.00 Site: US Steel Corp - Clairton Works ICR

### Summary

Sample Code	Tube ID	1,3-Butadiene (ug/m³)	Flag	Benzene (ug/m³)	Flag	Ethylbenzene (ug/m³)	Flag	m-/p-Xylenes (ug/m³)	Flag	o-Xylene (ug/m³)	Flag	Toluene (ug/m³)	Flag
USSCL-PT01-S-20221025	B34873		ND	16.5			ND	0.660			ND	2.75	
USSCL-PT02-S-20221025	B27175		ND	9.40			ND	0.695			ND	2.48	
USSCL-PT03-S-20221025	B34021		ND	25.6			ND	0.775			ND	3.47	
USSCL-PT04-S-20221025	B14287		ND	12.5			ND	1.02			ND	4.72	
USSCL-PT05-S-20221025	B27888		ND	6.62			ND	0.696			ND	3.35	
USSCL-PT06-S-20221025	B15020		ND	6.89			ND	0.777			ND	5.17	
USSCL-PT07-S-20221025	C01675		ND	1.94			ND		ND		ND	4.95	
USSCL-PT08-S-20221025	B10423		ND	2.41			ND		ND		ND	4.66	
USSCL-PT09-S-20221025	B15714		ND	5.94			ND	0.965			ND	5.63	
USSCL-PT10-S-20221025	C20600		ND	7.51			ND	0.716			ND	4.88	
USSCL-PT10-D-20221025	B52726		ND	7.91			ND	0.840			ND	5.43	
USSCL-PT10-B-20221025	B20912		ND		ND		ND		ND		ND		ND
USSCL-PT11-S-20221025	C00682		ND	19.8			ND	0.957			ND	5.82	
USSCL-PT12-S-20221025	B50611		ND	7.26			ND	0.839			ND	3.31	

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

# Results

# Enthalpy Analytical

Company: All4, Inc.

Job No.: 2022EE102-1 EPA Method 325B Analysis

Client No.: 00701-0002.00 Site: US Steel Corp - Clairton Works ICR

## 1,3-Butadiene

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
USSCL-PT01-S-20221025	B34873				56.3	0.441	20,285	0.593	0.593	0.268	0.268	ND
USSCL-PT02-S-20221025	B27175				56.3	0.441	20,283	0.593	0.593	0.268	0.268	ND
USSCL-PT03-S-20221025	B34021				56.3	0.441	20,281	0.593	0.593	0.268	0.268	ND
USSCL-PT04-S-20221025	B14287				56.3	0.441	20,284	0.593	0.593	0.268	0.268	ND
USSCL-PT05-S-20221025	B27888				56.3	0.441	20,286	0.593	0.593	0.268	0.268	ND
USSCL-PT06-S-20221025	B15020				56.3	0.441	20,287	0.593	0.593	0.268	0.268	ND
USSCL-PT07-S-20221025	C01675				56.3	0.441	20,296	0.593	0.593	0.268	0.268	ND
USSCL-PT08-S-20221025	B10423				56.3	0.441	20,275	0.593	0.593	0.268	0.268	ND
USSCL-PT09-S-20221025	B15714				56.3	0.441	20,286	0.593	0.593	0.268	0.268	ND
USSCL-PT10-S-20221025	C20600				56.3	0.441	20,288	0.593	0.593	0.268	0.268	ND
USSCL-PT10-D-20221025	B52726				56.3	0.441	20,289	0.593	0.593	0.268	0.268	ND
USSCL-PT10-B-20221025	B20912				56.3	0.441	20,290	0.593	0.593	0.268	0.268	ND
USSCL-PT11-S-20221025	C00682				56.3	0.441	20,288	0.593	0.593	0.268	0.268	ND
USSCL-PT12-S-20221025	B50611				56.3	0.441	20,283	0.593	0.593	0.268	0.268	ND

## Enthalpy Analytical

Company: All4, Inc.

Job No.: 2022EE102-1 EPA Method 325B Analysis

Client No.: 00701-0002.00 Site: US Steel Corp - Clairton Works ICR

### 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
USSCL-PT01-S-20221025	B34873	16.5	5.17	220	56.3	0.657	20,285	0.188	0.399	0.0588	0.125	
USSCL-PT02-S-20221025	B27175	9.40	2.95	125	56.3	0.657	20,283	0.188	0.399	0.0588	0.125	
USSCL-PT03-S-20221025	B34021	25.6	8.03	341	56.3	0.657	20,281	0.188	0.399	0.0588	0.125	
USSCL-PT04-S-20221025	B14287	12.5	3.93	167	56.3	0.657	20,284	0.188	0.399	0.0588	0.125	
USSCL-PT05-S-20221025	B27888	6.62	2.07	88.2	56.3	0.657	20,286	0.188	0.399	0.0588	0.125	
USSCL-PT06-S-20221025	B15020	6.89	2.16	91.9	56.3	0.657	20,287	0.188	0.399	0.0588	0.125	
USSCL-PT07-S-20221025	C01675	1.94	0.609	25.9	56.3	0.657	20,296	0.188	0.399	0.0587	0.125	
USSCL-PT08-S-20221025	B10423	2.41	0.753	32.0	56.3	0.657	20,275	0.188	0.399	0.0588	0.125	
USSCL-PT09-S-20221025	B15714	5.94	1.86	79.1	56.3	0.657	20,286	0.188	0.399	0.0588	0.125	
USSCL-PT10-S-20221025	C20600	7.51	2.35	100	56.3	0.657	20,288	0.188	0.399	0.0588	0.125	
USSCL-PT10-D-20221025	B52726	7.91	2.48	105	56.3	0.657	20,289	0.188	0.399	0.0587	0.125	
USSCL-PT10-B-20221025	B20912				56.3	0.657	20,290	0.188	0.399	0.0587	0.125	ND
USSCL-PT11-S-20221025	C00682	19.8	6.22	265	56.3	0.657	20,288	0.188	0.399	0.0588	0.125	
USSCL-PT12-S-20221025	B50611	7.26	2.28	96.8	56.3	0.657	20,283	0.188	0.399	0.0588	0.125	

## Enthalpy Analytical

Company: All4, Inc.

Job No.: 2022EE102-1 EPA Method 325B Analysis

Client No.: 00701-0002.00 Site: US Steel Corp - Clairton Works ICR

### 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
USSCL-PT01-S-20221025	B34873				56.3	0.451	20,285	0.597	0.597	0.138	0.138	ND
USSCL-PT02-S-20221025	B27175				56.3	0.451	20,283	0.598	0.598	0.138	0.138	ND
USSCL-PT03-S-20221025	B34021				56.3	0.451	20,281	0.598	0.598	0.138	0.138	ND
USSCL-PT04-S-20221025	B14287				56.3	0.451	20,284	0.598	0.598	0.138	0.138	ND
USSCL-PT05-S-20221025	B27888				56.3	0.451	20,286	0.597	0.597	0.138	0.138	ND
USSCL-PT06-S-20221025	B15020				56.3	0.451	20,287	0.597	0.597	0.138	0.138	ND
USSCL-PT07-S-20221025	C01675				56.3	0.451	20,296	0.597	0.597	0.138	0.138	ND
USSCL-PT08-S-20221025	B10423				56.3	0.451	20,275	0.598	0.598	0.138	0.138	ND
USSCL-PT09-S-20221025	B15714				56.3	0.451	20,286	0.597	0.597	0.138	0.138	ND
USSCL-PT10-S-20221025	C20600				56.3	0.451	20,288	0.597	0.597	0.138	0.138	ND
USSCL-PT10-D-20221025	B52726				56.3	0.451	20,289	0.597	0.597	0.138	0.138	ND
USSCL-PT10-B-20221025	B20912				56.3	0.451	20,290	0.597	0.597	0.138	0.138	ND
USSCL-PT11-S-20221025	C00682				56.3	0.451	20,288	0.597	0.597	0.138	0.138	ND
USSCL-PT12-S-20221025	B50611				56.3	0.451	20,283	0.598	0.598	0.138	0.138	ND



## Enthalpy Analytical

Company: All4, Inc.

Job No.: 2022EE102-1 EPA Method 325B Analysis

Client No.: 00701-0002.00 Site: US Steel Corp - Clairton Works ICR

### 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
USSCL-PT01-S-20221025	B34873	0.660	0.152	6.04	56.3	0.451	20,285	0.601	0.601	0.139	0.139	
USSCL-PT02-S-20221025	B27175	0.695	0.160	6.36	56.3	0.451	20,283	0.601	0.601	0.139	0.139	
USSCL-PT03-S-20221025	B34021	0.775	0.179	7.09	56.3	0.451	20,281	0.601	0.601	0.139	0.139	
USSCL-PT04-S-20221025	B14287	1.02	0.235	9.32	56.3	0.451	20,284	0.601	0.601	0.139	0.139	
USSCL-PT05-S-20221025	B27888	0.696	0.161	6.37	56.3	0.451	20,286	0.601	0.601	0.139	0.139	
USSCL-PT06-S-20221025	B15020	0.777	0.179	7.11	56.3	0.451	20,287	0.601	0.601	0.139	0.139	
USSCL-PT07-S-20221025	C01675				56.3	0.451	20,296	0.601	0.601	0.138	0.138	ND
USSCL-PT08-S-20221025	B10423				56.3	0.451	20,275	0.602	0.602	0.139	0.139	ND
USSCL-PT09-S-20221025	B15714	0.965	0.222	8.83	56.3	0.451	20,286	0.601	0.601	0.139	0.139	
USSCL-PT10-S-20221025	C20600	0.716	0.165	6.55	56.3	0.451	20,288	0.601	0.601	0.139	0.139	
USSCL-PT10-D-20221025	B52726	0.840	0.194	7.69	56.3	0.451	20,289	0.601	0.601	0.139	0.139	
USSCL-PT10-B-20221025	B20912				56.3	0.451	20,290	0.601	0.601	0.139	0.139	ND
USSCL-PT11-S-20221025	C00682	0.957	0.221	8.76	56.3	0.451	20,288	0.601	0.601	0.139	0.139	
USSCL-PT12-S-20221025	B50611	0.839	0.193	7.68	56.3	0.451	20,283	0.601	0.601	0.139	0.139	

## Enthalpy Analytical

Company: All4, Inc.

Job No.: 2022EE102-1 EPA Method 325B Analysis

Client No.: 00701-0002.00 Site: US Steel Corp - Clairton Works ICR

### 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
USSCL-PT01-S-20221025	B34873				56.3	0.451	20,285	0.605	0.605	0.139	0.139	ND
USSCL-PT02-S-20221025	B27175				56.3	0.451	20,283	0.605	0.605	0.139	0.139	ND
USSCL-PT03-S-20221025	B34021				56.3	0.451	20,281	0.605	0.605	0.139	0.139	ND
USSCL-PT04-S-20221025	B14287				56.3	0.451	20,284	0.605	0.605	0.139	0.139	ND
USSCL-PT05-S-20221025	B27888				56.3	0.451	20,286	0.605	0.605	0.139	0.139	ND
USSCL-PT06-S-20221025	B15020				56.3	0.451	20,287	0.605	0.605	0.139	0.139	ND
USSCL-PT07-S-20221025	C01675				56.3	0.451	20,296	0.604	0.604	0.139	0.139	ND
USSCL-PT08-S-20221025	B10423				56.3	0.451	20,275	0.605	0.605	0.139	0.139	ND
USSCL-PT09-S-20221025	B15714				56.3	0.451	20,286	0.605	0.605	0.139	0.139	ND
USSCL-PT10-S-20221025	C20600				56.3	0.451	20,288	0.605	0.605	0.139	0.139	ND
USSCL-PT10-D-20221025	B52726				56.3	0.451	20,289	0.605	0.605	0.139	0.139	ND
USSCL-PT10-B-20221025	B20912				56.3	0.451	20,290	0.605	0.605	0.139	0.139	ND
USSCL-PT11-S-20221025	C00682				56.3	0.451	20,288	0.605	0.605	0.139	0.139	ND
USSCL-PT12-S-20221025	B50611				56.3	0.451	20,283	0.605	0.605	0.139	0.139	ND

## Enthalpy Analytical

Company: All4, Inc.

Job No.: 2022EE102-1 EPA Method 325B Analysis

Client No.: 00701-0002.00 Site: US Steel Corp - Clairton Works ICR

### 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
USSCL-PT01-S-20221025	B34873	2.75	0.730	28.4	56.3	0.510	20,285	0.242	0.534	0.0642	0.142	
USSCL-PT02-S-20221025	B27175	2.48	0.657	25.6	56.3	0.510	20,283	0.242	0.534	0.0642	0.142	
USSCL-PT03-S-20221025	B34021	3.47	0.922	35.9	56.3	0.510	20,281	0.242	0.534	0.0642	0.142	
USSCL-PT04-S-20221025	B14287	4.72	1.25	48.8	56.3	0.510	20,284	0.242	0.534	0.0642	0.142	
USSCL-PT05-S-20221025	B27888	3.35	0.890	34.7	56.3	0.510	20,286	0.242	0.534	0.0642	0.142	
USSCL-PT06-S-20221025	B15020	5.17	1.37	53.5	56.3	0.510	20,287	0.242	0.534	0.0642	0.142	
USSCL-PT07-S-20221025	C01675	4.95	1.32	51.3	56.3	0.510	20,296	0.242	0.534	0.0642	0.142	
USSCL-PT08-S-20221025	B10423	4.66	1.24	48.1	56.3	0.510	20,275	0.242	0.534	0.0642	0.142	
USSCL-PT09-S-20221025	B15714	5.63	1.50	58.3	56.3	0.510	20,286	0.242	0.534	0.0642	0.142	
USSCL-PT10-S-20221025	C20600	4.88	1.29	50.4	56.3	0.510	20,288	0.242	0.534	0.0642	0.142	
USSCL-PT10-D-20221025	B52726	5.43	1.44	56.2	56.3	0.510	20,289	0.242	0.534	0.0642	0.142	
USSCL-PT10-B-20221025	B20912				56.3	0.510	20,290	0.242	0.534	0.0642	0.142	ND
USSCL-PT11-S-20221025	C00682	5.82	1.55	60.2	56.3	0.510	20,288	0.242	0.534	0.0642	0.142	
USSCL-PT12-S-20221025	B50611	3.31	0.879	34.2	56.3	0.510	20,283	0.242	0.534	0.0642	0.142	

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

QC

# Enthalpy Analytical

Company: All4, Inc.  
Job No.: 2022EE102-1 EPA Method 325B Analysis  
Client No.: 00701-0002.00 Site: US Steel Corp - Clairton Works ICR

## QC Samples

Field Sample Type	Sample Code	1,3-Butadiene		Benzene		Ethylbenzene		m-/p-Xylenes		o-Xylene		Toluene	
Blanks (ug/m³)	USSCL-PT10-B-20221025	ND	Pass	ND	Pass	ND	Pass	ND	Pass	ND	Pass	ND	Pass
Duplicates (difference)	USSCL-PT10-D-20221025		Pass	5.2%	Pass		Pass	16%	Pass		Pass	11%	Pass

# Narrative Summary

## Enthalpy Analytical Narrative Summary

<b>Company</b>	All4, Inc.
<b>Site</b>	US Steel Corp - Clairton Works ICR
<b>Project</b>	00701-0002.00
<b>Report #</b>	2022EE102

<b>Custody</b>	<p>Daniel Simpson of Enthalpy Analytical, LLC received the thermal desorption sample tubes on 11/9/2022 after being relinquished by All4, Inc. The tubes were received in good condition at a temperature of 17.1 °C.</p> <p>Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, LLC.</p>
<b>Analysis</b>	<p>The thermal desorption tube samples were analyzed for benzene, 1,3-butadiene, toluene, ethylbenzene, m/p-xylene, and o-xylene using EPA Method 325B, Volatile Organic Compounds from Fugitive and Area Sources by Thermal Desorption and GC/MS.</p> <p>The Agilent Technologies Model 6890, Gas Chromatograph "Neville" (S/N US2215A021) was equipped with a 5973 Mass Selective Detector (S/N US2211M022) for these analyses.</p> <p>The Perkin-Elmer ATD-650 Thermal Desorber introduced the samples and standards to the analyzer.</p>
<b>Chromatographic Conditions</b>	A copy of the acquisition method (M325B-TD-2.M) is not included in this report but may be available upon request.
<b>Calibration</b>	<p>The daily BFB check failed to meet method criteria for ion 174. However, because ion 174 is not near the tuning region of the quant ions for any of the analytes of interest 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.</p> <p>The initial calibration (N102122A_BUT_BTEX) met the 30% RSD criteria. The initial calibration verification met the 30% recovery criteria. The continuing calibration verifications met the 30% difference criteria. The initial and continuing calibration raw data are not included in this report but are available upon request.</p>
<b>QC Notes</b>	<p>All internal standard response and retention time criteria were met for these analyses.</p> <p>None of the analytes of interest were detected in the analyses of the field blank or laboratory blank at concentrations greater than the detection limit.</p> <p>The duplicate samples met the 30% difference criterion specified by the method.</p>



## Enthalpy Analytical Narrative Summary (continued)

### Reporting Notes

A portion of each sample (or calibration standard) was recollected onto the original sample tube after internal standard was added in the initial analysis to allow for reanalysis if necessary. An "Rc" flag indicates that a reanalysis has been performed and the resulting data have been included in the report.

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.





# Sample Custody



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

Page (x of y) 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: <u>US Steel Corp - Clairton Works</u>	Client Name: <u>ALL4 LLC</u>	<b>Field Sampling Conditions:</b>
Site Address: <u>400 State Street</u>	Project Number: <u>00701-0002.00</u>	<input type="checkbox"/> Rain During Deployment / Retrieval
City: <u>Clairton</u>	Project Manager: <u>Dustin Share</u>	<input type="checkbox"/> Sample Period w/ Continuous Rain
State: <u>PA</u>	Email Address: <u>Dshare@all4inc.com</u>	<input type="checkbox"/> Sample Period w/ Snow or Melt
Zip: <u>15025</u>	Telephone #: <u>(412) 422-1126</u>	<input type="checkbox"/> Other (Please explain in Notes)

Location	Sample ID (Tube ID)	Sample, Blank, or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Sampler Initials	Avg. Ambient Temp. (°F)
PT01-221025-S	B34873	S	22/10/25	9:35 AM	22/11/08	10:40	EM	
PT02-221025-S	B27175	S	22/10/25	9:40 AM	22/11/08	10:43 AM	EM	
PT03-221025-S	B34021	S	22/10/25	8:22 AM	22/11/08	9:23 AM	EM	
PT04-221025-S	B14287	S	22/10/25	8:27 AM	22/11/08	9:31 AM	EM	
PT05-221025-S	B27888	S	22/10/25	8:35 AM	22/11/08	9:41 AM	EM	
PT06-221025-S	B15020	S	22/10/25	8:41 AM	22/11/08	9:48 AM	EM	
PT07-221025-S	C01675	S	22/10/25	8:49 AM	①	9:55 AM	10:05 AM   EM	
PT08-221025-S	B10423	S	22/10/25	9:00 AM	①	9:55 AM	EM	

Collected By: Print Name and Signature  
Evan M. G [Signature] 1

Relinquished to Shipper: Print Name and Signature <u>Evan M. G</u> <u>[Signature]</u>	Relinquished Date <u>11/08/22</u>	Relinquished Time <u>5:47 PM</u>
------------------------------------------------------------------------------------------	--------------------------------------	-------------------------------------

Received by: Print Name and Signature <u>Tristen Burnette</u> <u>[Signature]</u>	Receipt Date <u>11/9/22 10:00</u>	Custody Seal Intact (Yes or No) <u>Yes</u>
-------------------------------------------------------------------------------------	--------------------------------------	-----------------------------------------------

Sample Condition Upon Receipt: <u>Good</u>	Custody Seal # → <u>22c08064</u>
-----------------------------------------------	----------------------------------

Analysis Required:

Comments: I.T: 2.2°C FLUKE TDS 11/9/22  
T.B: 17.1°C  
 ① Samples retrieved 11/8/22 per client email. DSM 11/8/22



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

Page (x of y) 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: US Steel Corp- Clairton Works	Client Name: ALL4 LLC	<b>Field Sampling Conditions:</b> <input type="checkbox"/> Rain During Deployment / Retrieval <input type="checkbox"/> Sample Period w/ Continuous Rain <input type="checkbox"/> Sample Period w/ Snow or Melt <input type="checkbox"/> Other (Please explain in Notes)
Site Address: 400 State Street	Project Number: 00701-0002.00	
City: Clairton	Project Manager: Dustin Snare	
State: PA	Email Address: dsnare@all4inc.com	
Zip: 15025	Telephone #: (412) 422-1126	

Location	Sample ID (Tube ID)	Sample, Blank, or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Sampler Initials	Avg. Ambient Temp. (°F)
PT09-221025-S	B15714	S	22/10/25	9:08 AM	11/8/22	10:14	EM	
PT10-221025-S	C 20600	S	22/10/25	9:19 AM	11/8/22	10:27	EM	
PT10-221025-D	B52726	D	22/10/25	9:18 AM	11/8/22	10:27	EM	
PT10-221025-B	B20912	B	22/10/25	9:17 AM	11/8/22	10:27	EM	
PT11-221025-S	C00682	S	22/10/25	9:24 AM	11/8/22	10:32	EM	
PT12-221025-S	B50611	S	22/10/25	9:30 AM	11/8/22	10:35	EM	
					<del>11/8/22</del>			

Collected By: Print Name and Signature

Evan M. S. [Signature]

Relinquished to Shipper: Print Name and Signature

Evan M. S. [Signature] Relinquished Date: 11/08/22 Relinquished Time: 5:47 PM

Received by: Print Name and Signature

Tristen Burnette [Signature] Receipt Date: 11/9/22 10:00 Custody Seal Intact (Yes or No): Yes

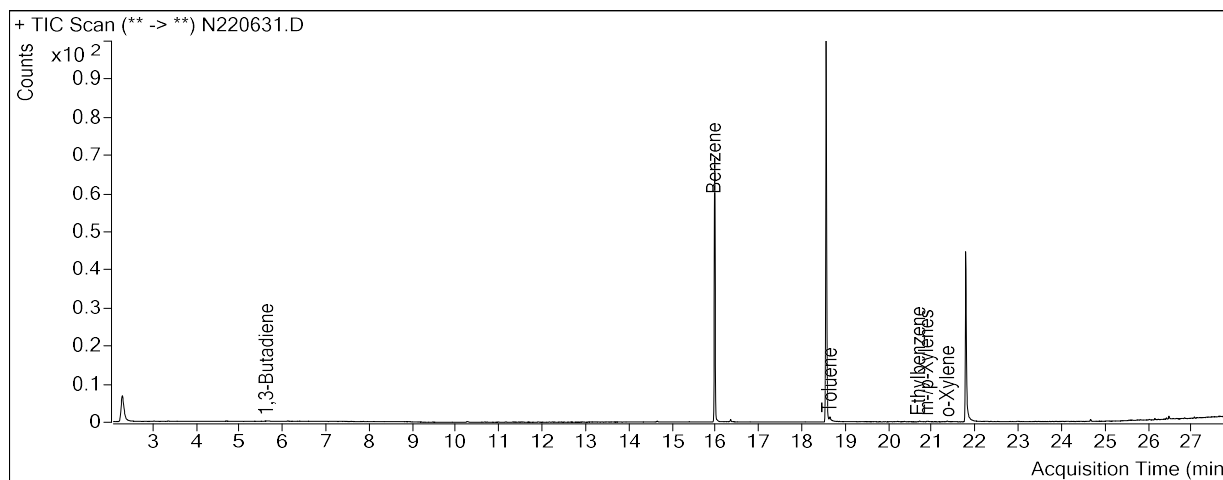
Sample Condition Upon Receipt: Good Custody Seal # → 22C08064

Analysis Required:

Comments: I.T. 2.22 FLOCC #1  
 T.B. 17.10C TBS 11/9/22

# Sample Chromatograms

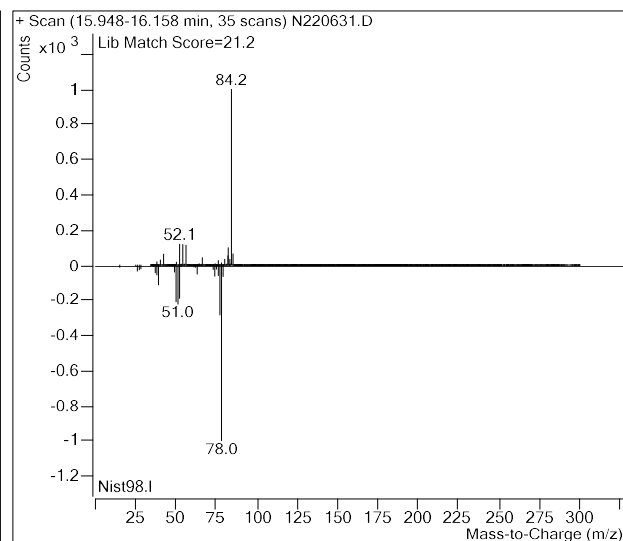
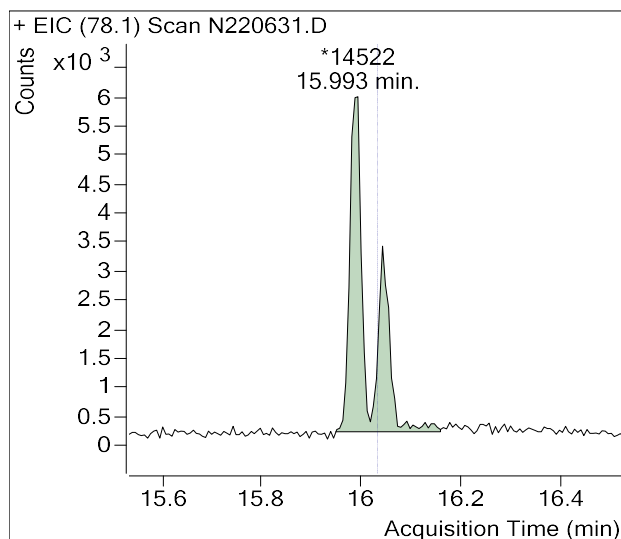
Sample Name : 2022EE102 Method Blank  
Sample Info : B34970  
Data File : N220631.D  
Acquisition Date : 2022-11-10 23:18:16  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR



Compound	Retention Time	Response	Flags
Benzene-d6 (IS)	15.97	1,288,304	
Benzene	16.03	14,522	m
Toluene-d8 (IS)	18.55	1,491,893	
Toluene	18.64	15,341	
Ethylbenzene	20.70	4,526	
m-/p-Xylenes	20.89	4,229	
o-Xylene	21.32	3,528	

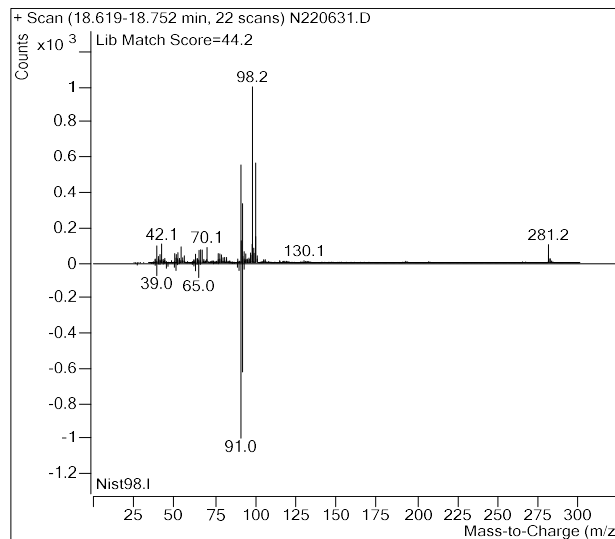
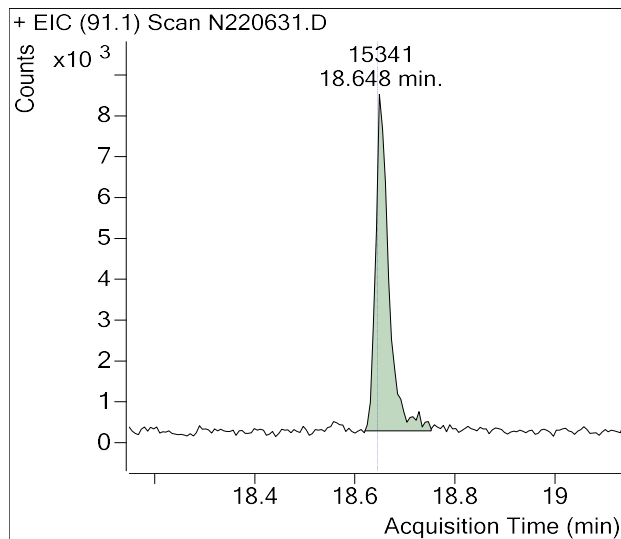
(m)=Manual Integration

Benzene

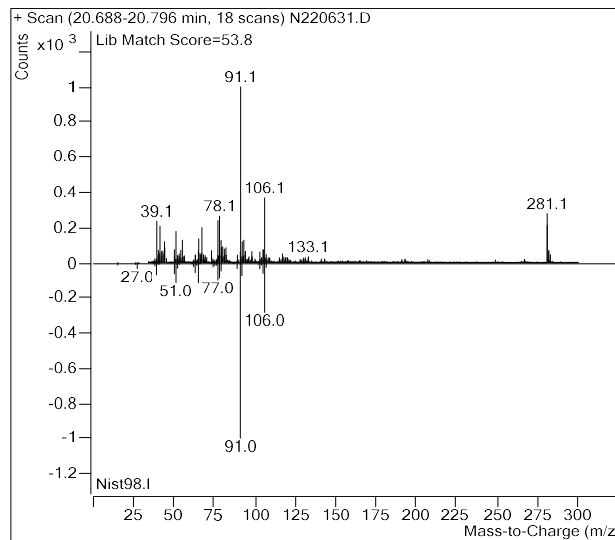
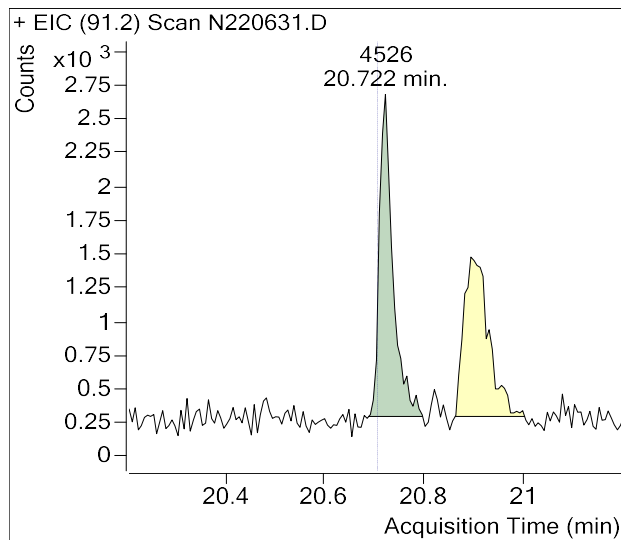


Sample Name : 2022EE102 Method Blank  
Sample Info : B34970  
Data File : N220631.D  
Acquisition Date : 2022-11-10 23:18:16  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR

## Toluene

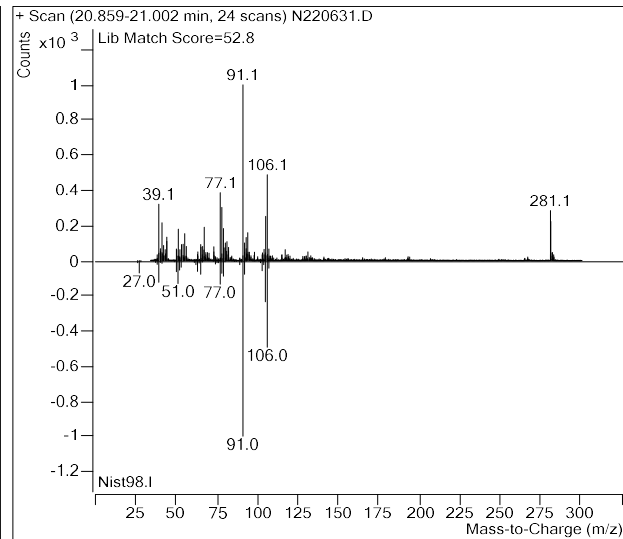
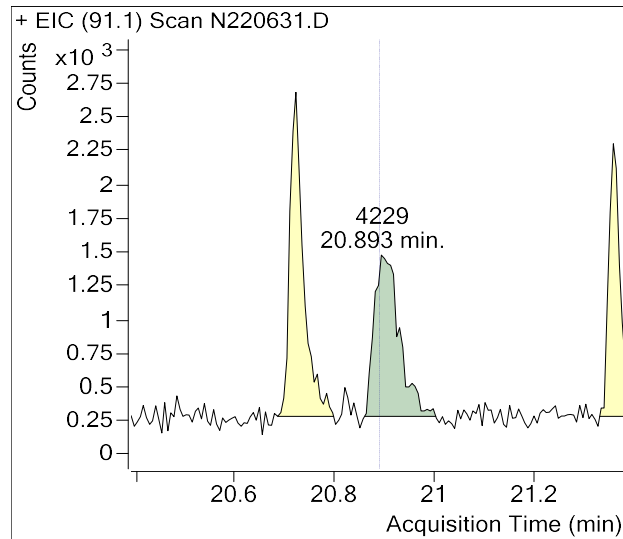


## Ethylbenzene

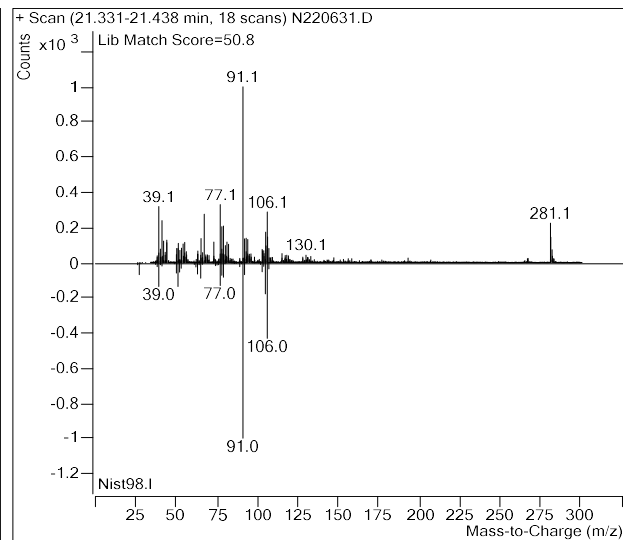
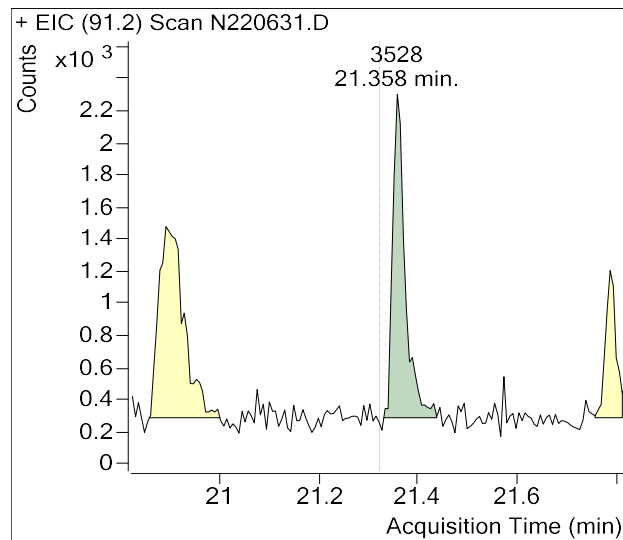


Sample Name : 2022EE102 Method Blank  
Sample Info : B34970  
Data File : N220631.D  
Acquisition Date : 2022-11-10 23:18:16  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR

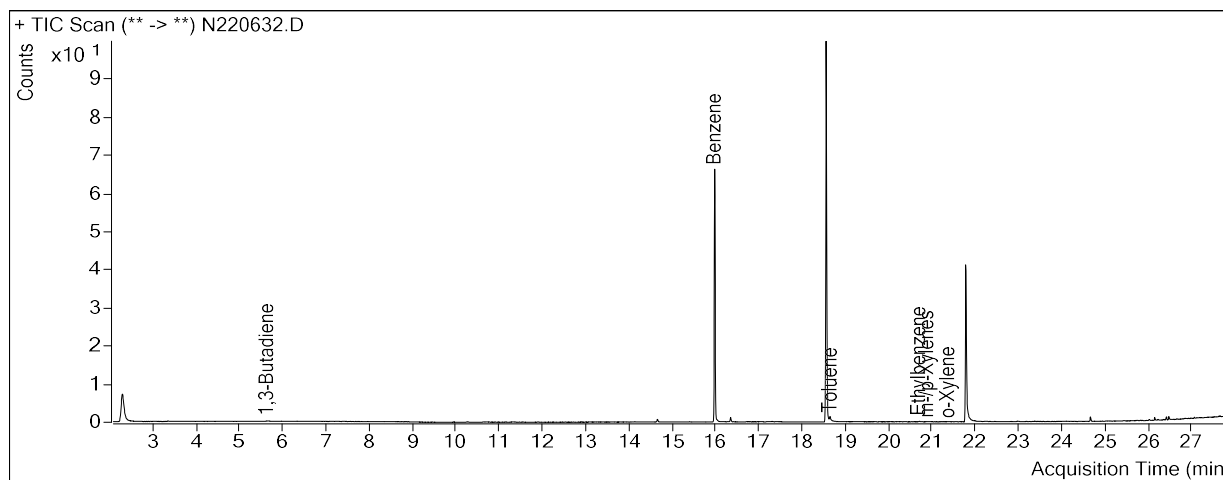
## m-/p-Xylenes



## o-Xylene



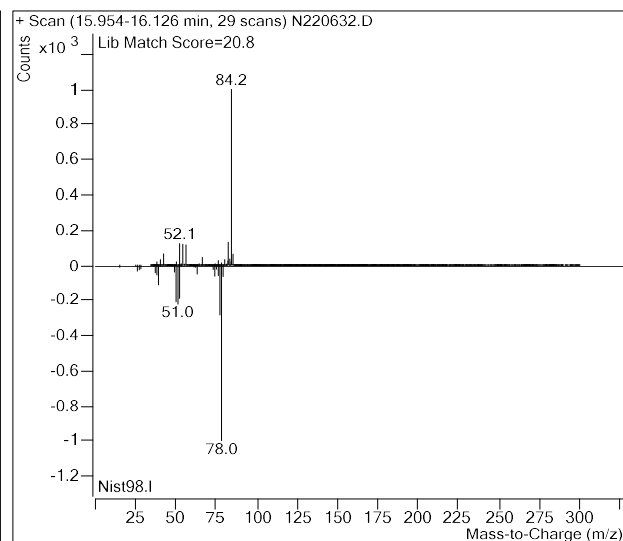
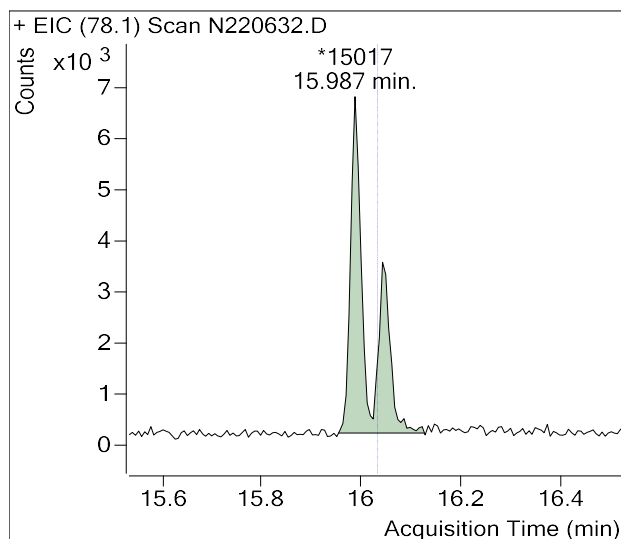
Sample Name : USSCL-PT10-B-20221025  
Sample Info : B20912  
Data File : N220632.D  
Acquisition Date : 2022-11-10 23:58:03  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR



Compound	Retention Time	Response	Flags
Benzene-d6 (IS)	15.97	1,279,650	
Benzene	16.03	15,017	m
Toluene-d8 (IS)	18.55	1,497,835	
Toluene	18.64	16,603	
Ethylbenzene	20.70	2,971	
m-/p-Xylenes	20.89	1,999	
o-Xylene	21.32	991	

**(m)=Manual Integration**

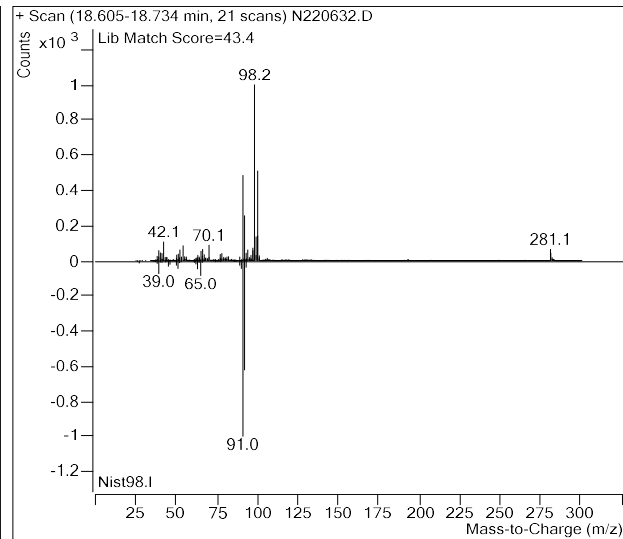
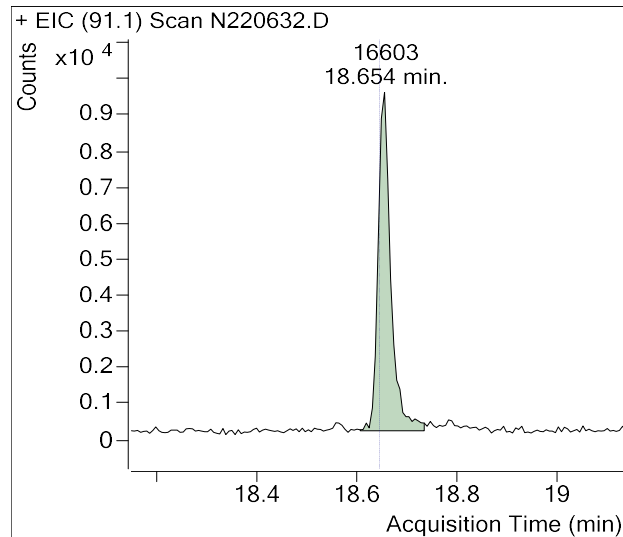
**Benzene**



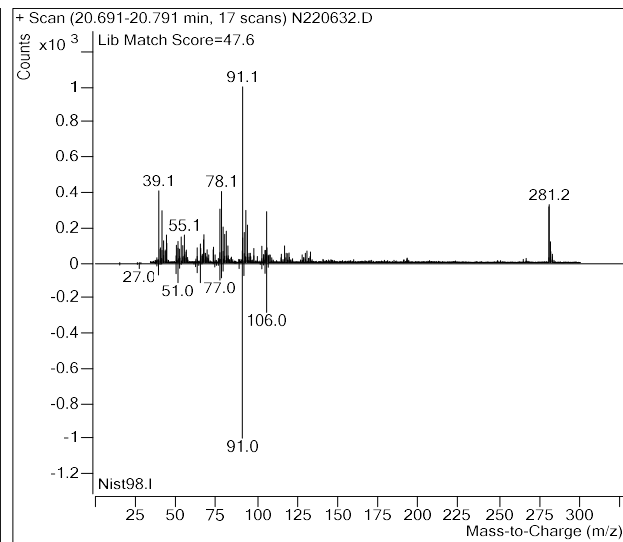
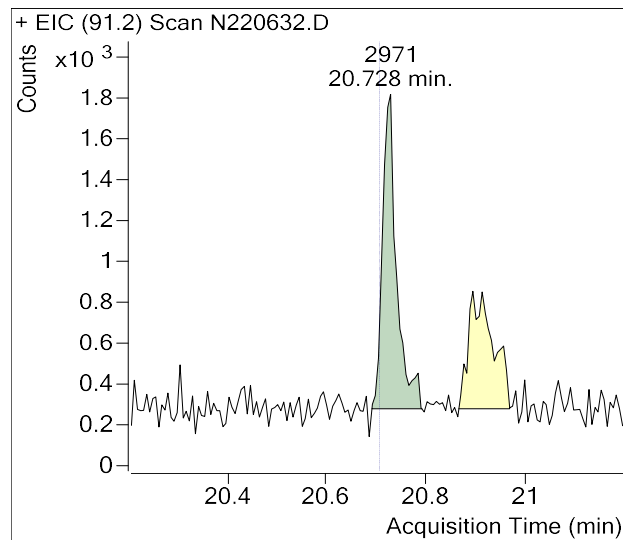


Sample Name : USSCL-PT10-B-20221025  
Sample Info : B20912  
Data File : N220632.D  
Acquisition Date : 2022-11-10 23:58:03  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR

## Toluene

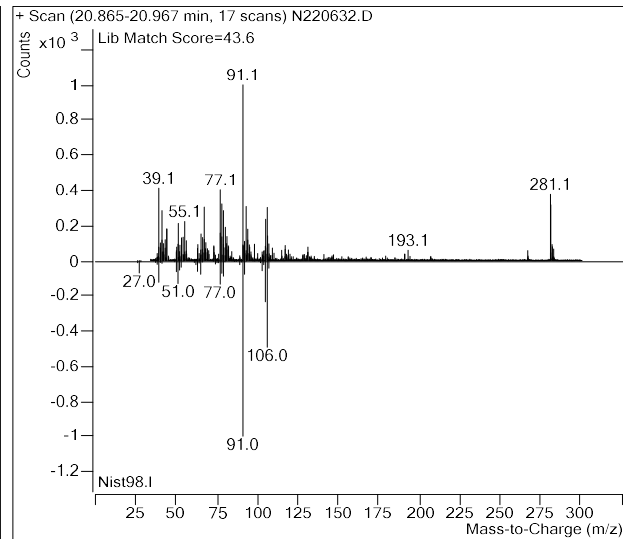
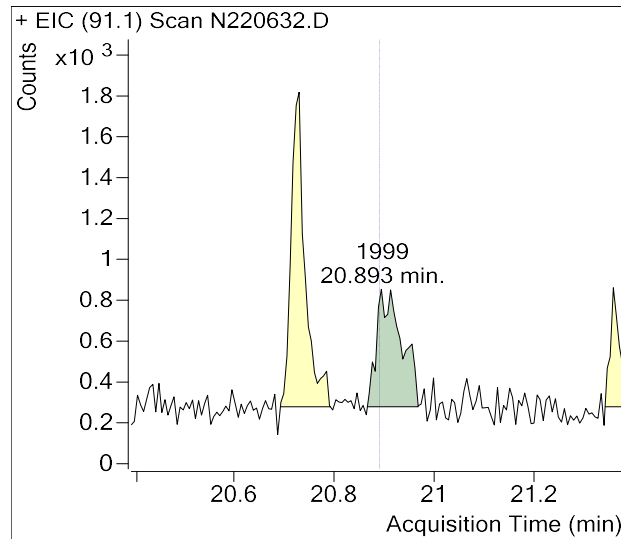


## Ethylbenzene

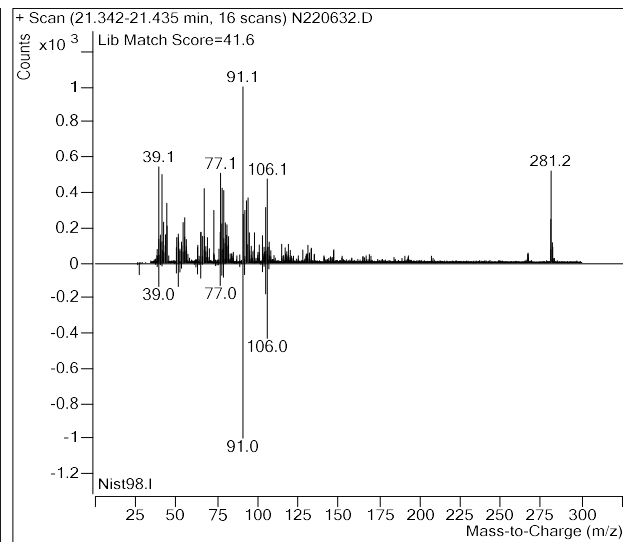
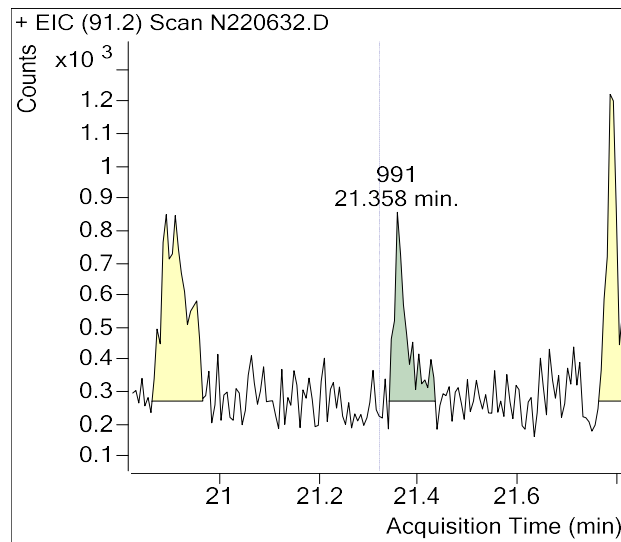


Sample Name : USSCL-PT10-B-20221025  
Sample Info : B20912  
Data File : N220632.D  
Acquisition Date : 2022-11-10 23:58:03  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR

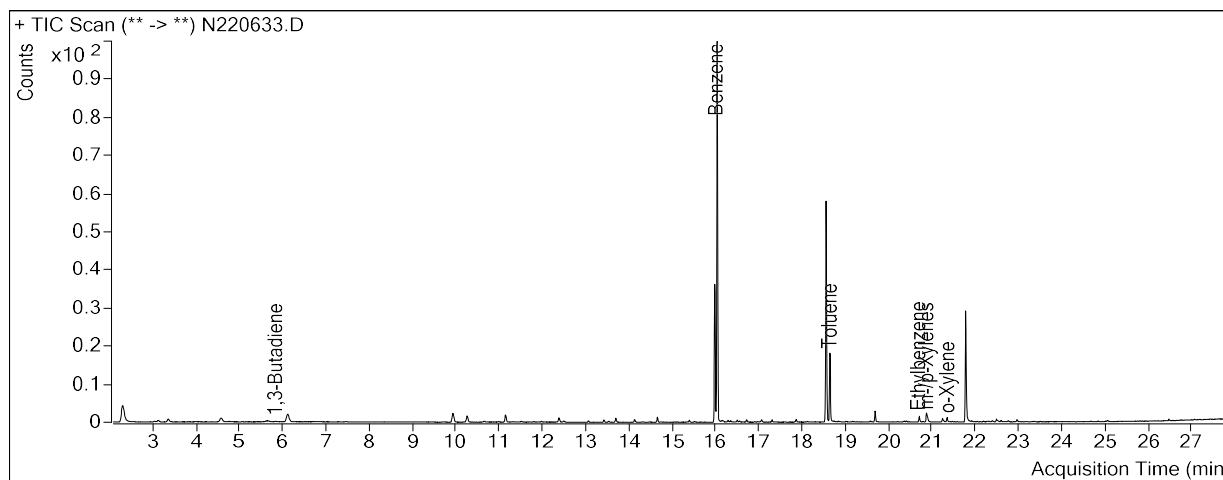
## m-/p-Xylenes



## o-Xylene



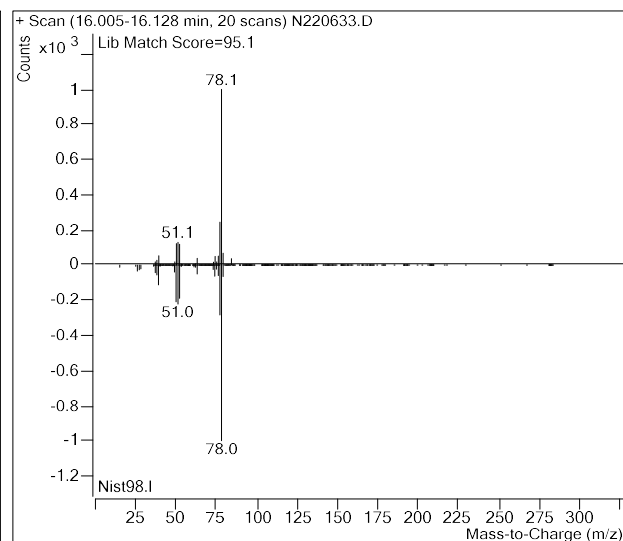
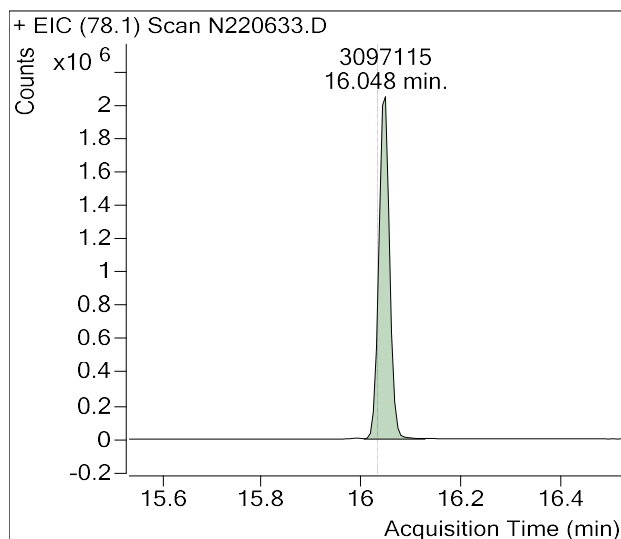
Sample Name : USSCL-PT01-S-20221025  
Sample Info : B34873  
Data File : N220633.D  
Acquisition Date : 2022-11-11 00:38:16  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR



Compound	Retention Time	Response	Flags
Benzene-d6 (IS)	15.97	1,181,745	
Benzene	16.03	3,097,115	
Toluene-d8 (IS)	18.55	1,423,353	
Toluene	18.64	507,010	
Ethylbenzene	20.70	46,806	
m-/p-Xylenes	20.89	82,345	
o-Xylene	21.32	28,443	

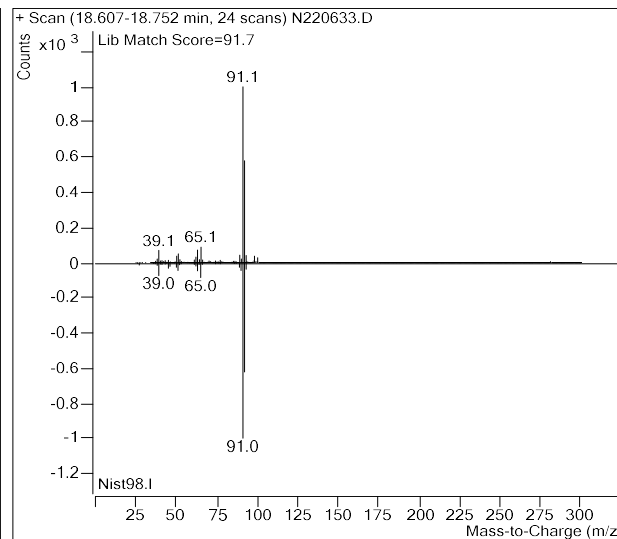
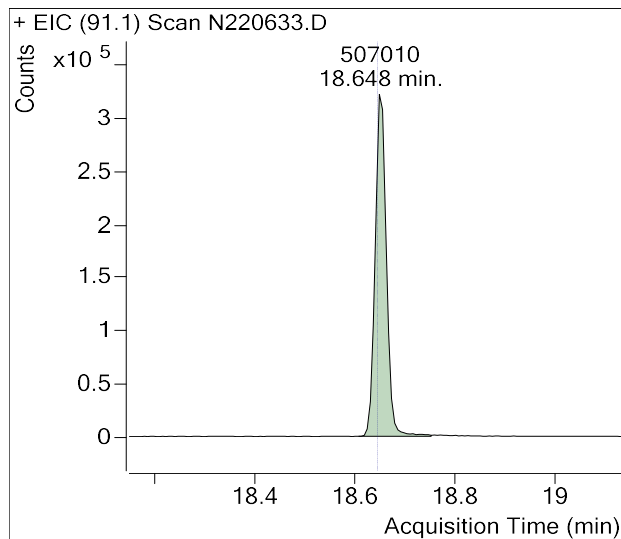
**(m)=Manual Integration**

Benzene

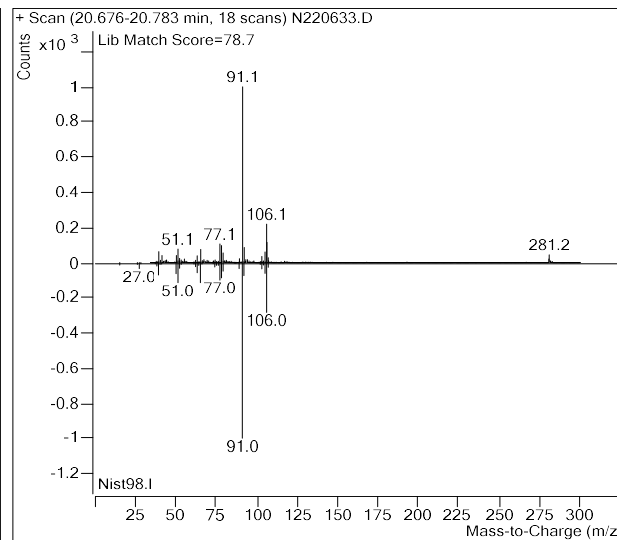
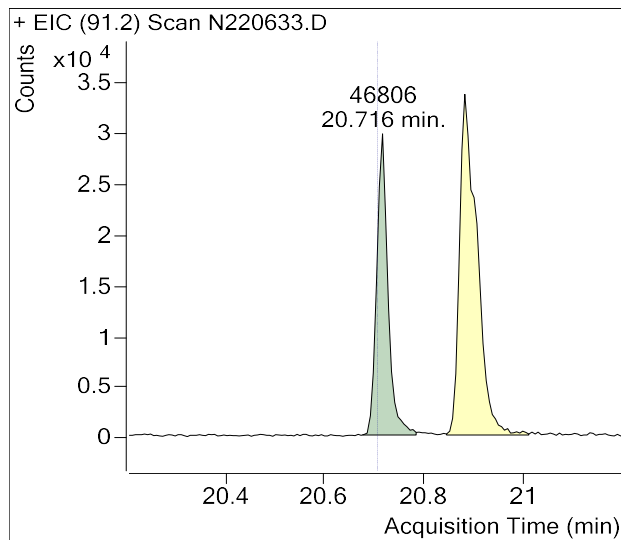


Sample Name : USSCL-PT01-S-20221025  
Sample Info : B34873  
Data File : N220633.D  
Acquisition Date : 2022-11-11 00:38:16  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR

## Toluene

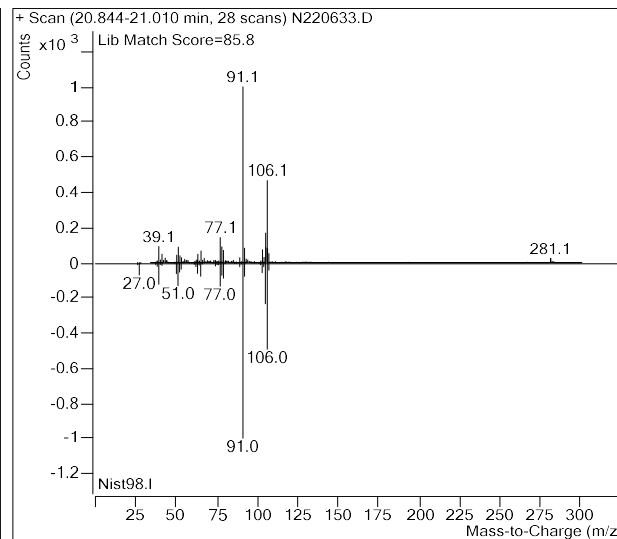
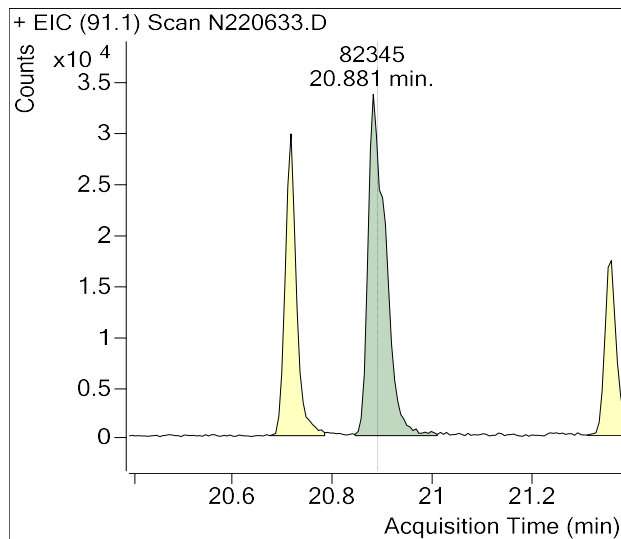


## Ethylbenzene

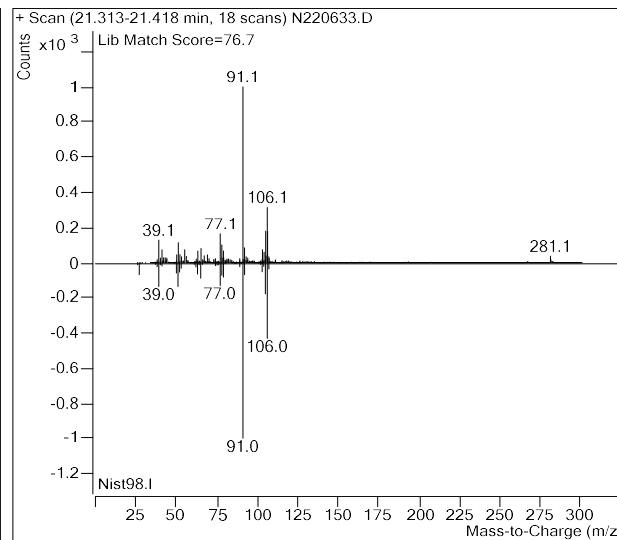
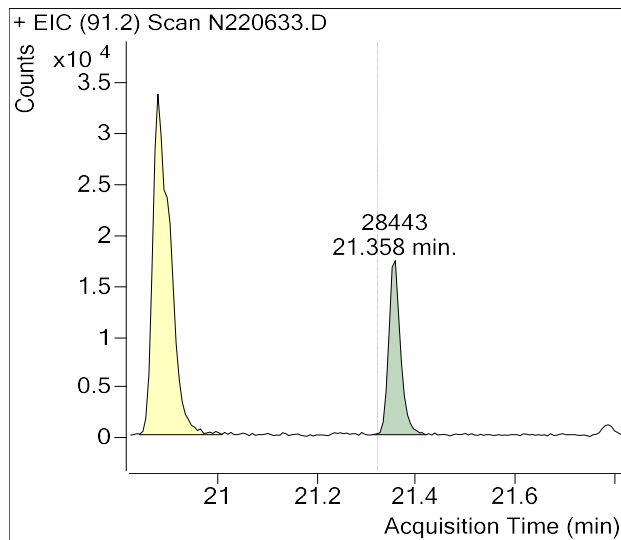


Sample Name : USSCL-PT01-S-20221025  
Sample Info : B34873  
Data File : N220633.D  
Acquisition Date : 2022-11-11 00:38:16  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR

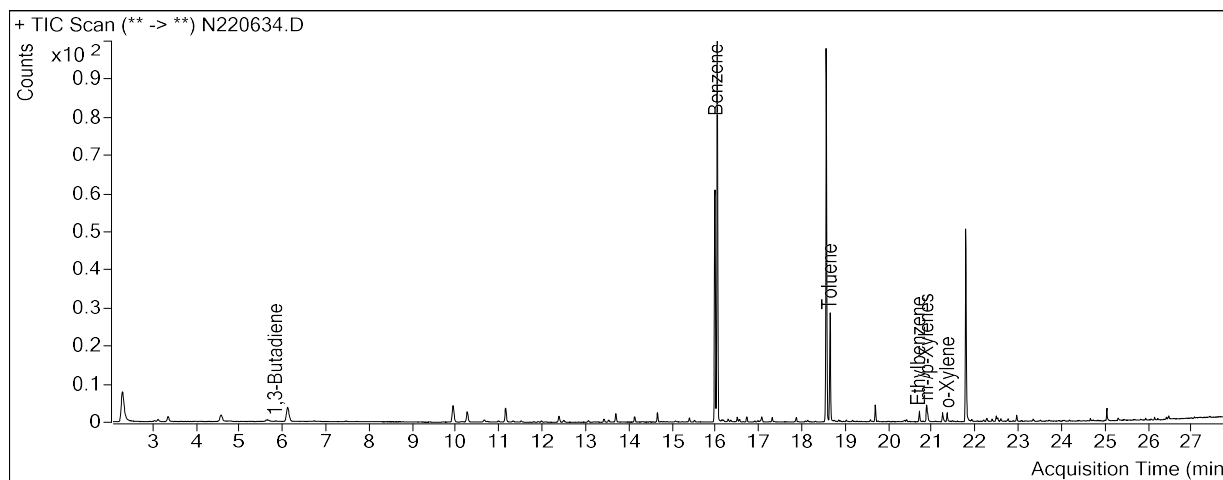
## m-/p-Xylenes



## o-Xylene



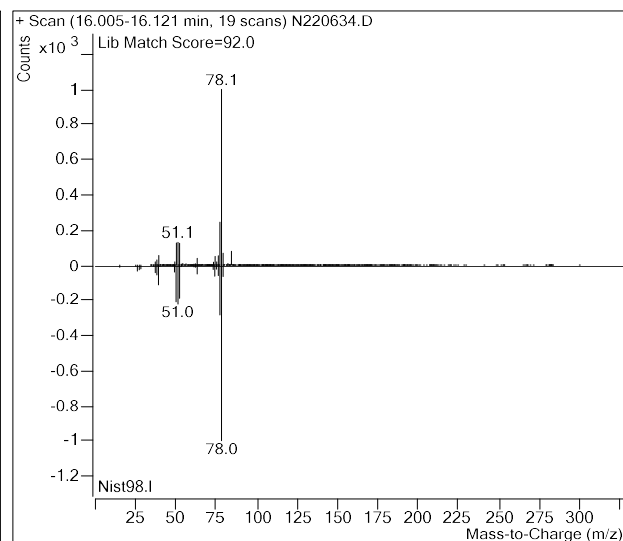
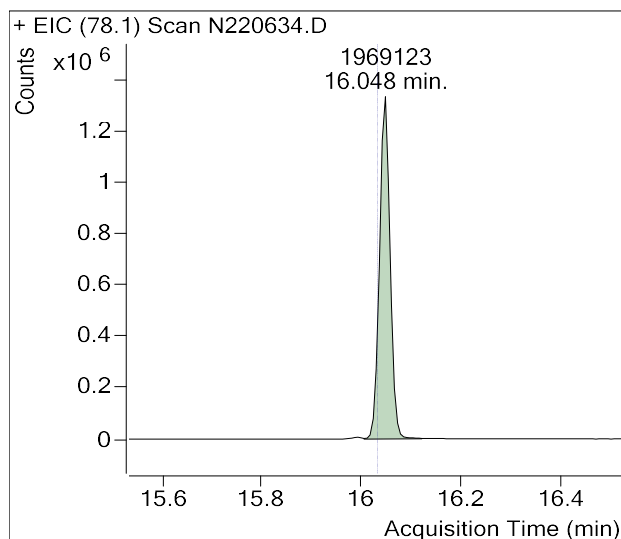
Sample Name : USSCL-PT02-S-20221025  
Sample Info : B27175  
Data File : N220634.D  
Acquisition Date : 2022-11-11 01:18:03  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR



Compound	Retention Time	Response	Flags
Benzene-d6 (IS)	15.97	1,318,189	
Benzene	16.03	1,969,123	
Toluene-d8 (IS)	18.55	1,556,417	
Toluene	18.64	499,029	
Ethylbenzene	20.70	55,139	
m-/p-Xylenes	20.89	94,747	
o-Xylene	21.32	35,077	

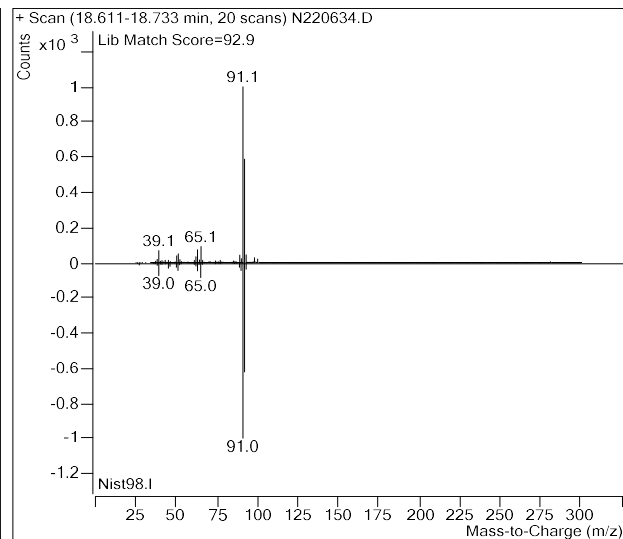
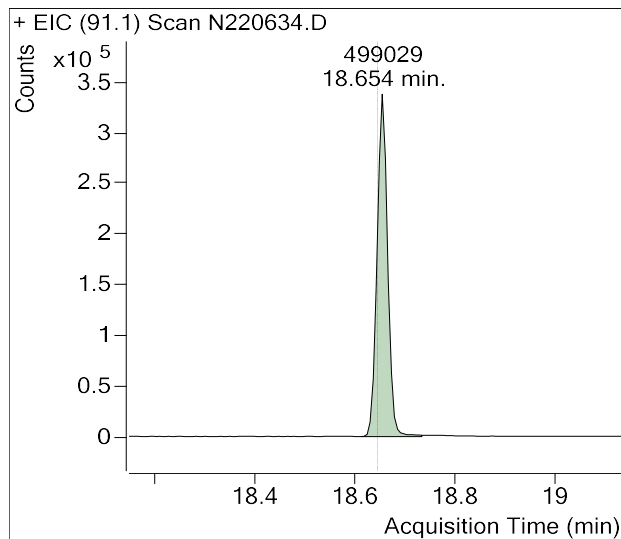
**(m)=Manual Integration**

**Benzene**

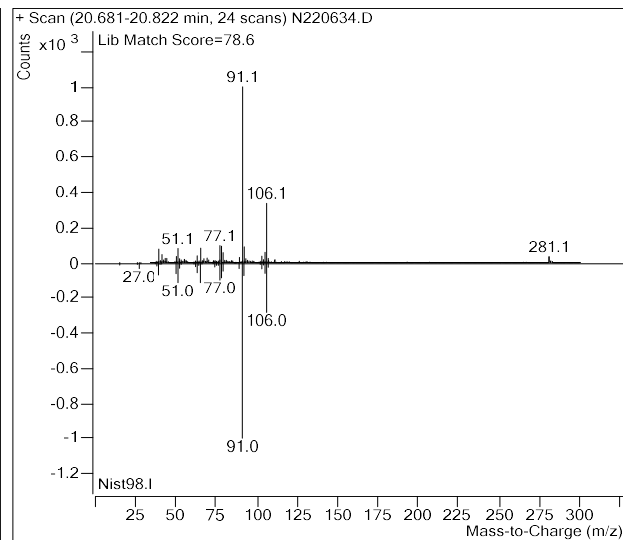
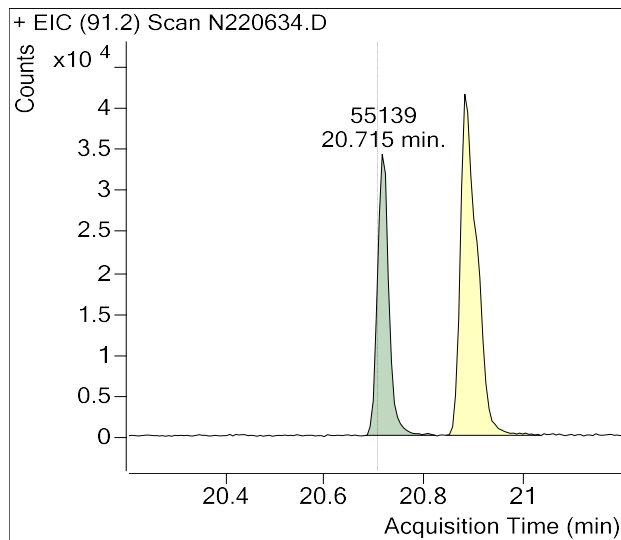


Sample Name : USSCL-PT02-S-20221025  
Sample Info : B27175  
Data File : N220634.D  
Acquisition Date : 2022-11-11 01:18:03  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR

## Toluene

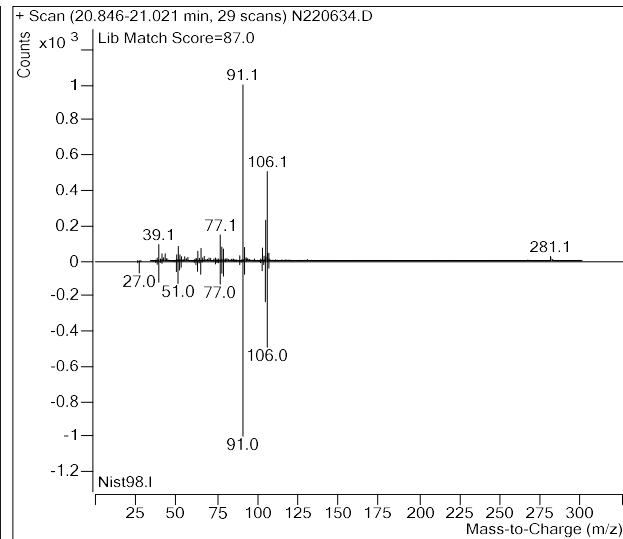
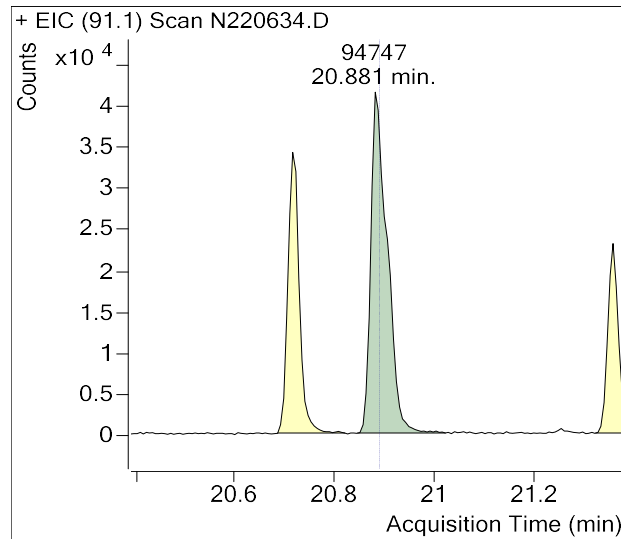


## Ethylbenzene

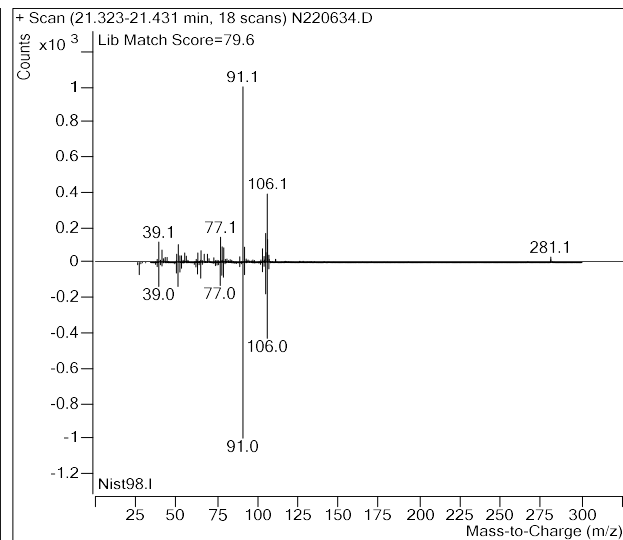
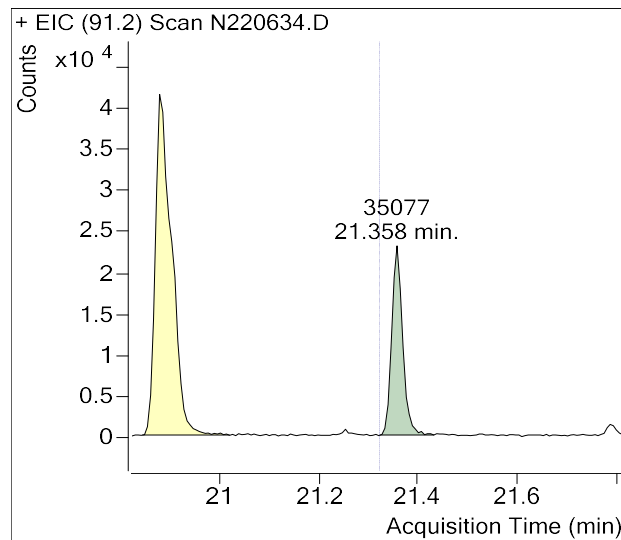


Sample Name : USSCL-PT02-S-20221025  
Sample Info : B27175  
Data File : N220634.D  
Acquisition Date : 2022-11-11 01:18:03  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR

## m-/p-Xylenes

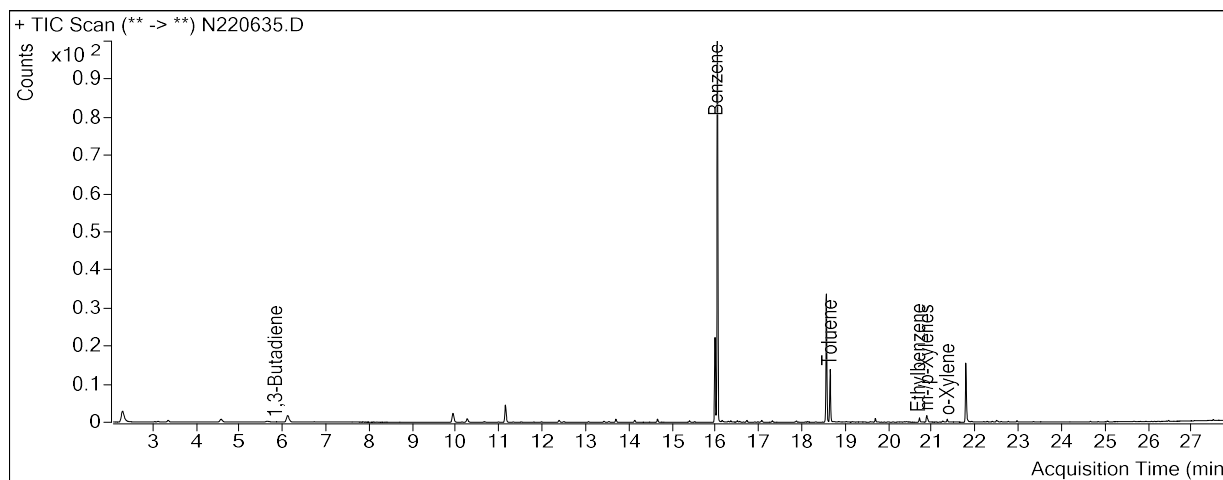


## o-Xylene





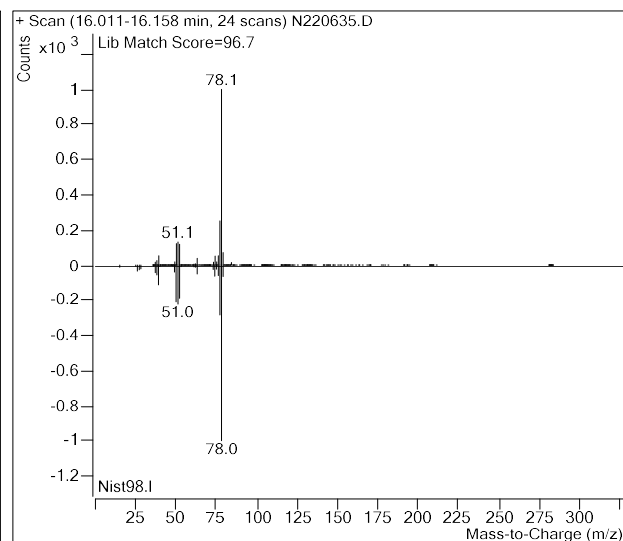
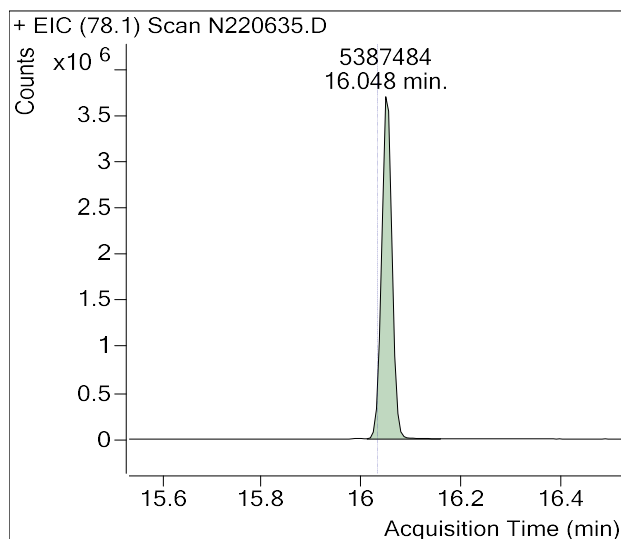
Sample Name : USSCL-PT03-S-20221025  
Sample Info : B34021  
Data File : N220635.D  
Acquisition Date : 2022-11-11 01:57:50  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR



Compound	Retention Time	Response	Flags
Benzene-d6 (IS)	15.97	1,323,918	
Benzene	16.03	5,387,484	
Toluene-d8 (IS)	18.55	1,552,211	
Toluene	18.64	698,056	
Ethylbenzene	20.70	62,194	
m-/p-Xylenes	20.89	105,325	
o-Xylene	21.32	36,207	

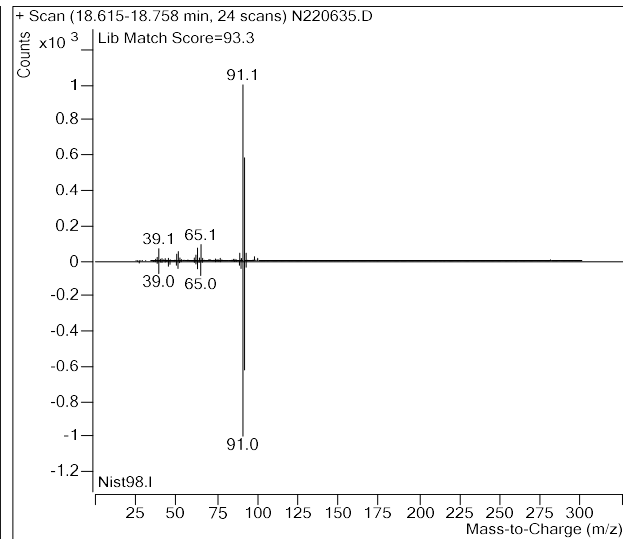
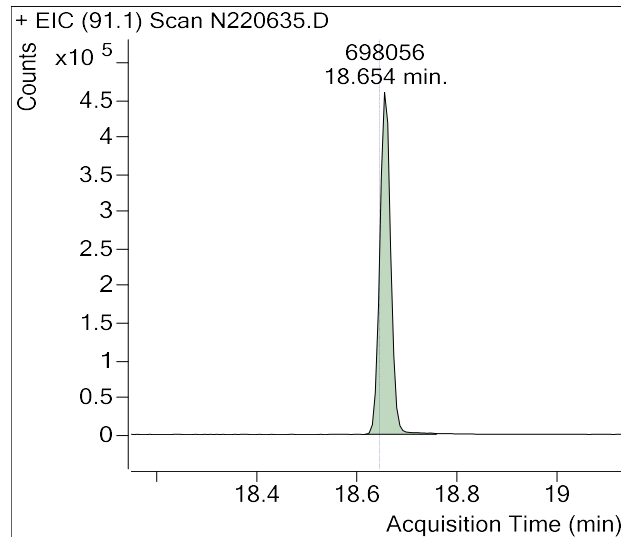
**(m)=Manual Integration**

Benzene

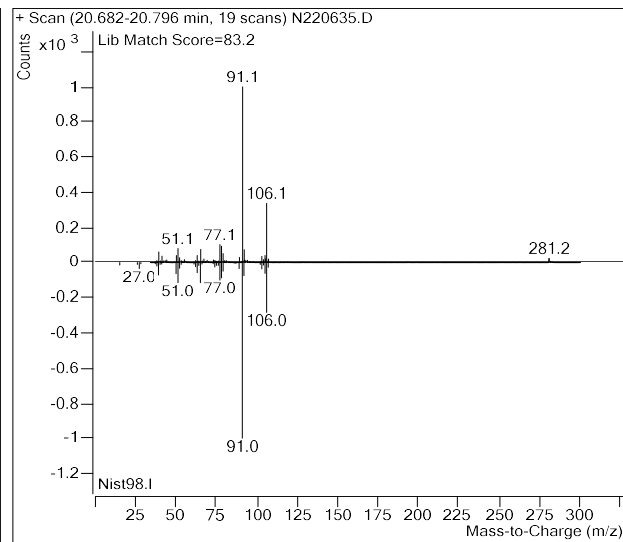
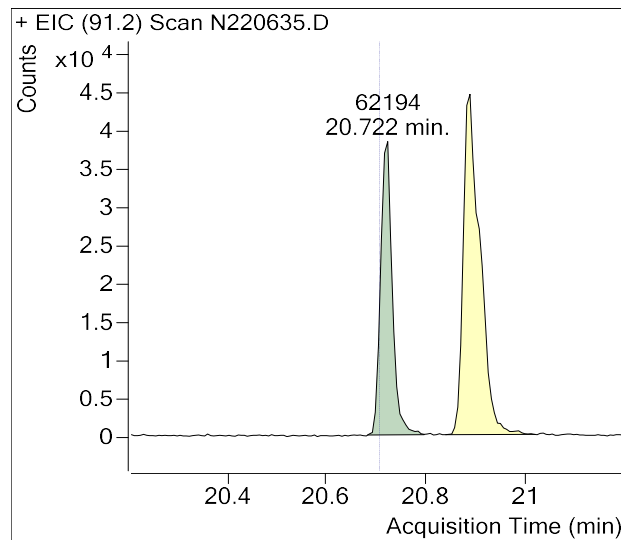


Sample Name : USSCL-PT03-S-20221025  
Sample Info : B34021  
Data File : N220635.D  
Acquisition Date : 2022-11-11 01:57:50  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR

## Toluene

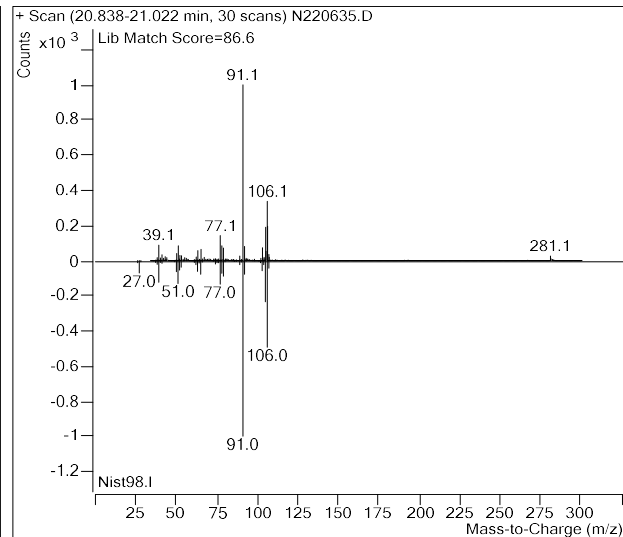
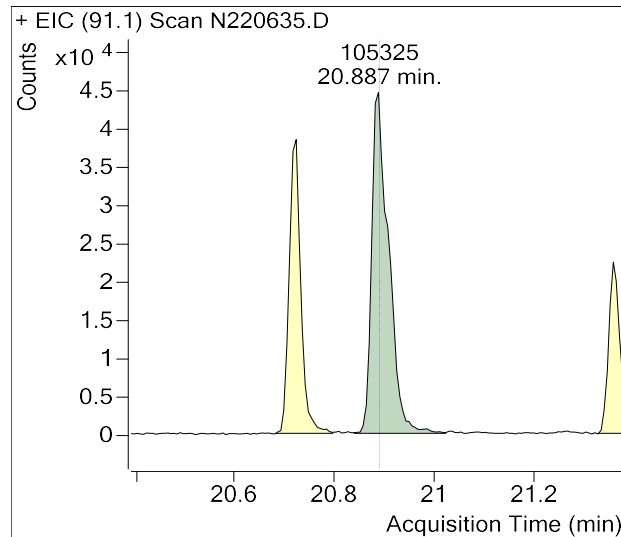


## Ethylbenzene

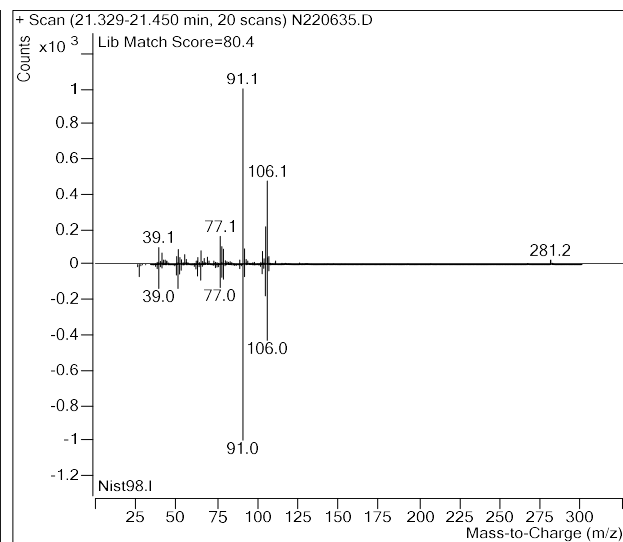
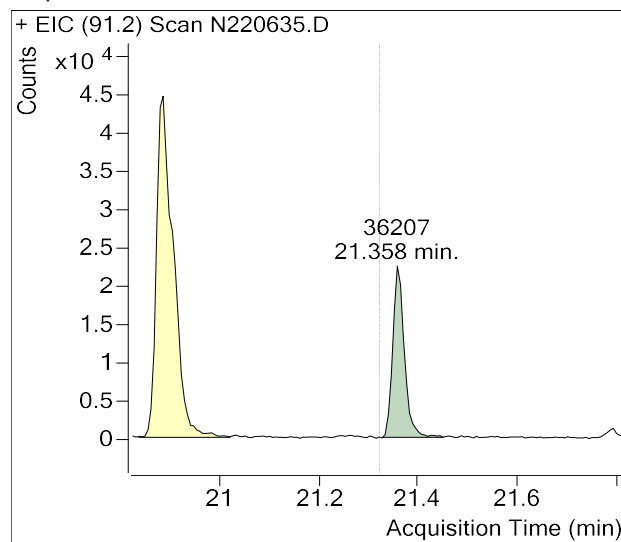


Sample Name : USSCL-PT03-S-20221025  
Sample Info : B34021  
Data File : N220635.D  
Acquisition Date : 2022-11-11 01:57:50  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR

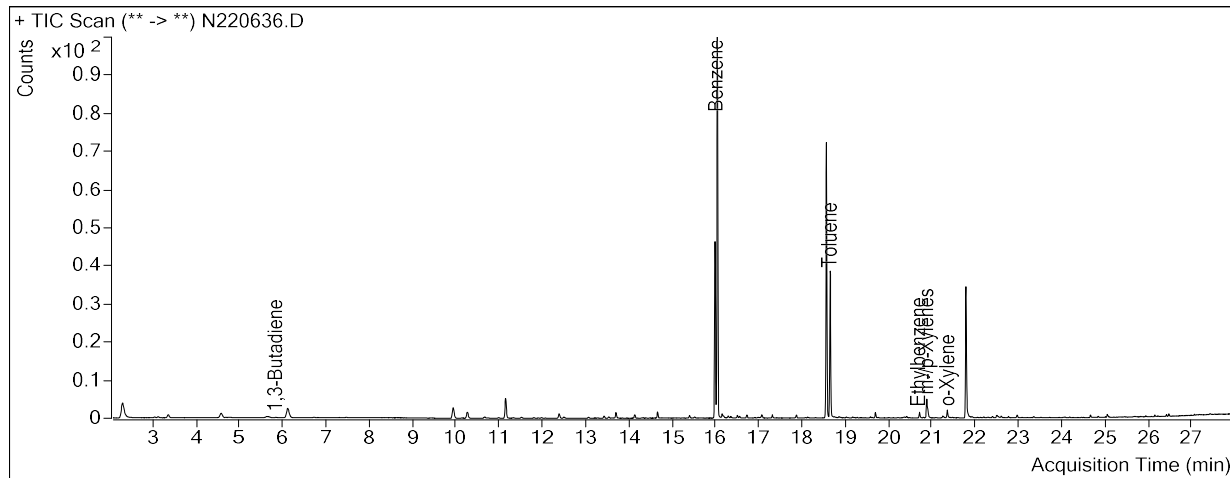
## m-/p-Xylenes



## o-Xylene



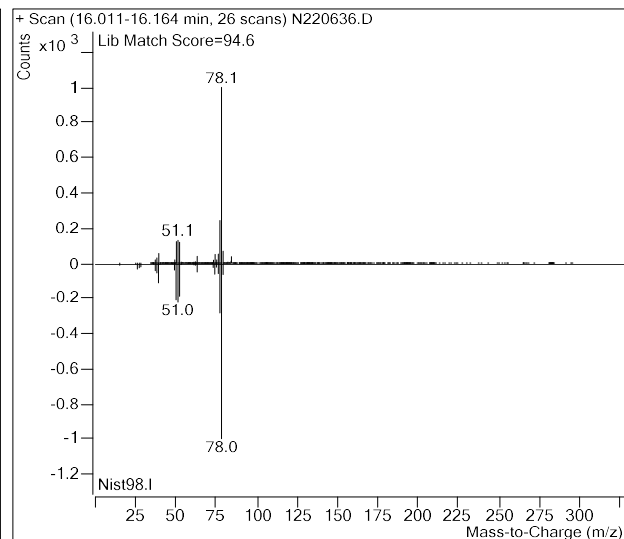
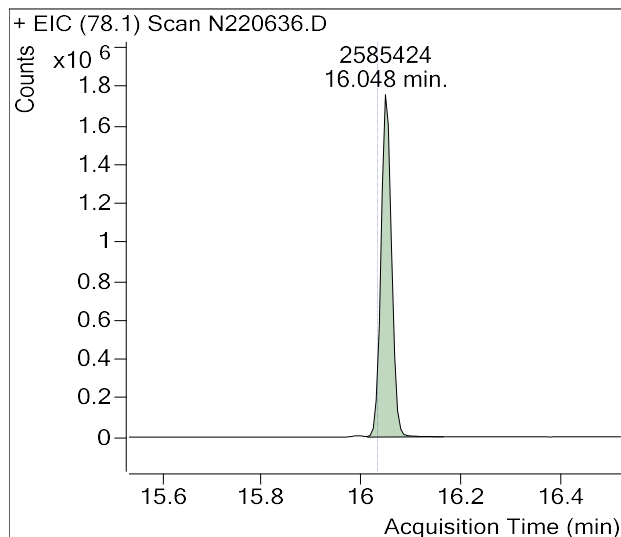
Sample Name : USSCL-PT04-S-20221025  
Sample Info : B14287  
Data File : N220636.D  
Acquisition Date : 2022-11-11 02:37:37  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR



Compound	Retention Time	Response	Flags
Benzene-d6 (IS)	15.97	1,297,026	
Benzene	16.03	2,585,424	
Toluene-d8 (IS)	18.55	1,531,268	
Toluene	18.64	936,601	
Ethylbenzene	20.70	39,118	
m-/p-Xylenes	20.89	136,582	
o-Xylene	21.32	44,348	

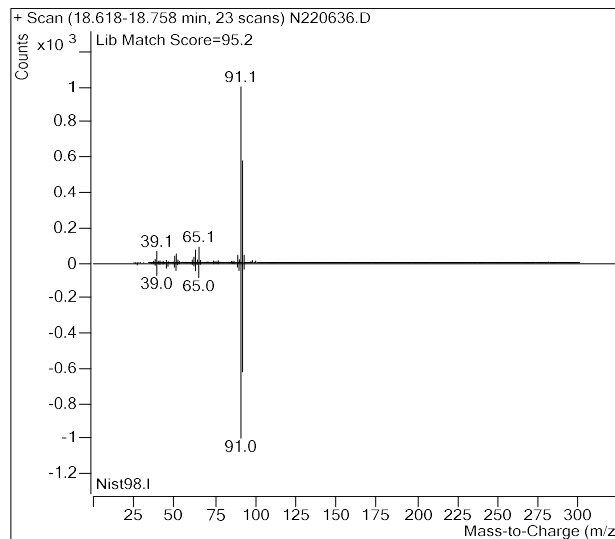
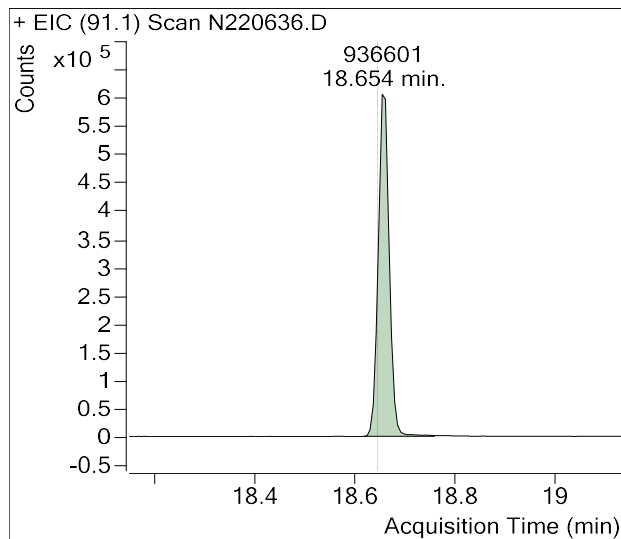
**(m)=Manual Integration**

**Benzene**

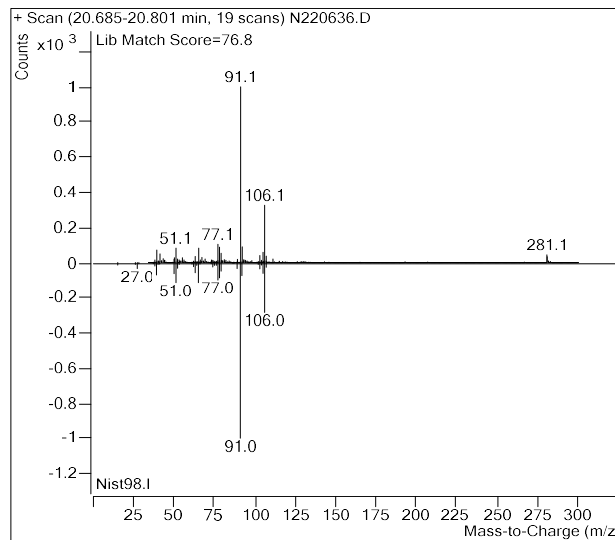
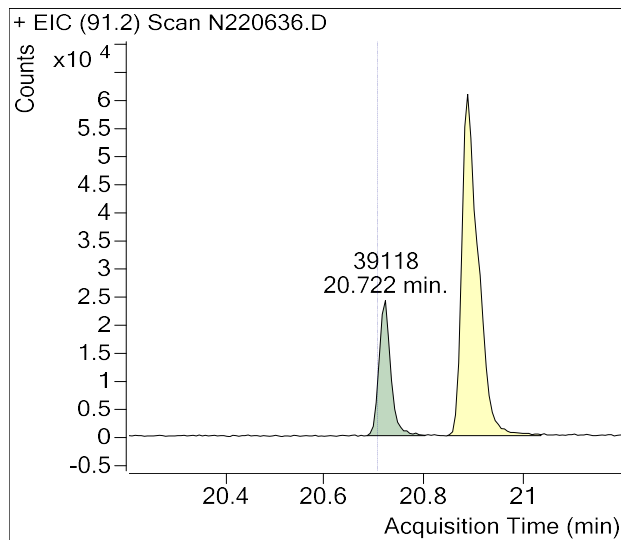


Sample Name : USSCL-PT04-S-20221025  
Sample Info : B14287  
Data File : N220636.D  
Acquisition Date : 2022-11-11 02:37:37  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR

## Toluene

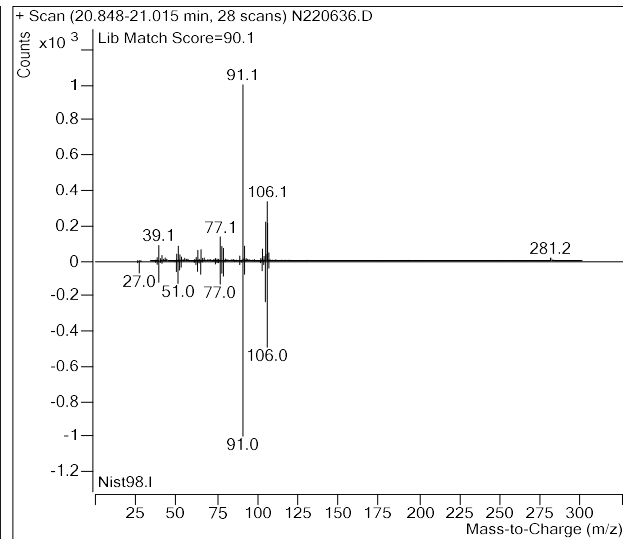
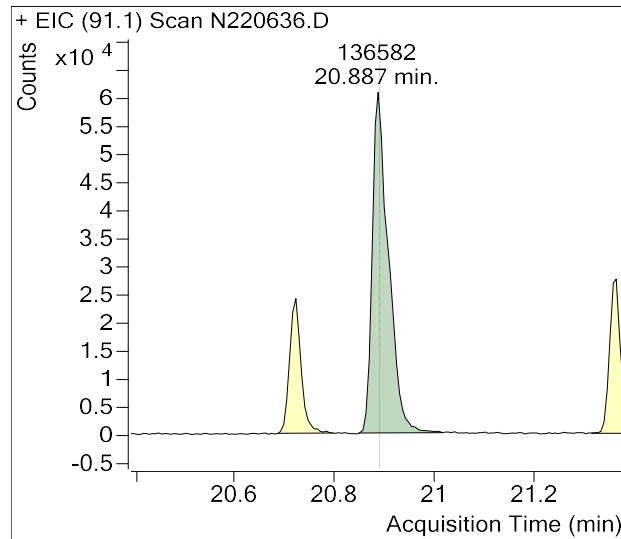


## Ethylbenzene

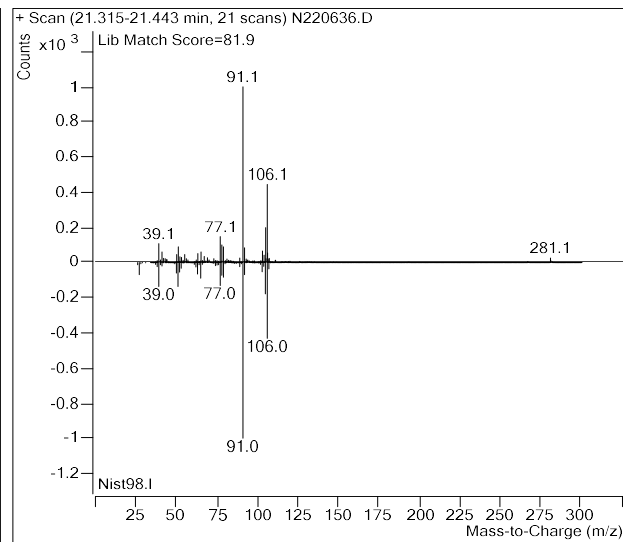
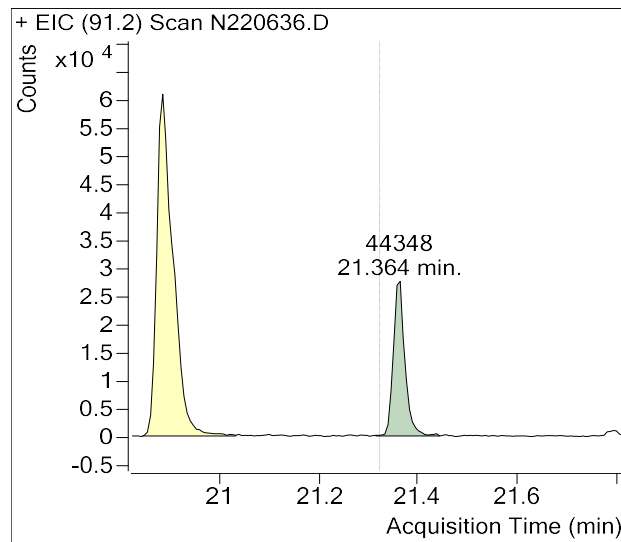


Sample Name : USSCL-PT04-S-20221025  
Sample Info : B14287  
Data File : N220636.D  
Acquisition Date : 2022-11-11 02:37:37  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR

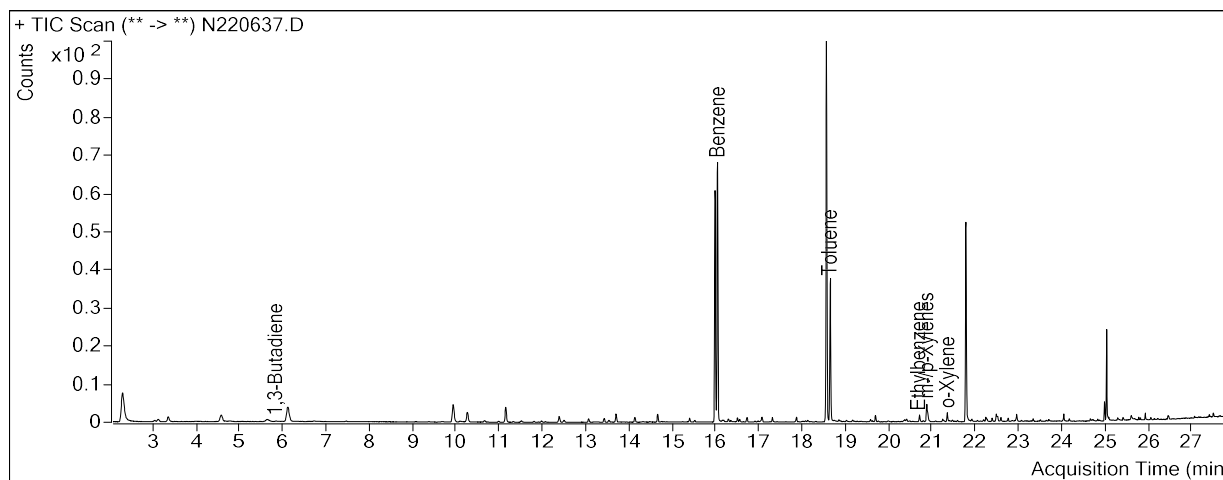
## m-/p-Xylenes



## o-Xylene



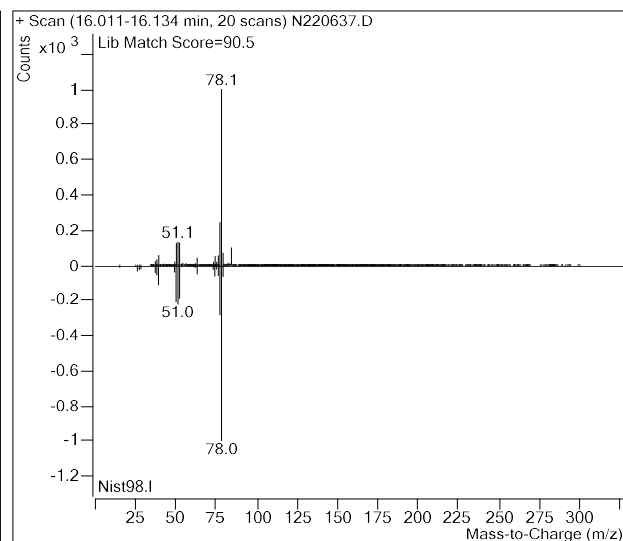
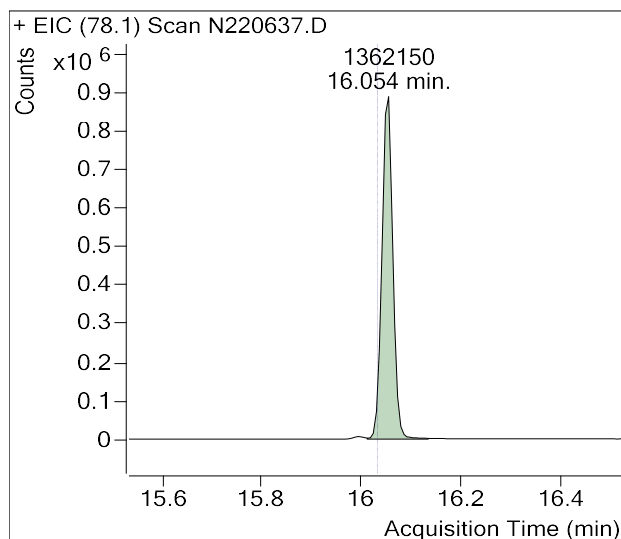
Sample Name : USSCL-PT05-S-20221025  
Sample Info : B27888  
Data File : N220637.D  
Acquisition Date : 2022-11-11 03:17:25  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR



Compound	Retention Time	Response	Flags
Benzene-d6 (IS)	15.97	1,295,115	
Benzene	16.03	1,362,150	
Toluene-d8 (IS)	18.55	1,544,503	
Toluene	18.64	671,042	
Ethylbenzene	20.70	34,254	
m-/p-Xylenes	20.89	94,231	
o-Xylene	21.32	33,946	

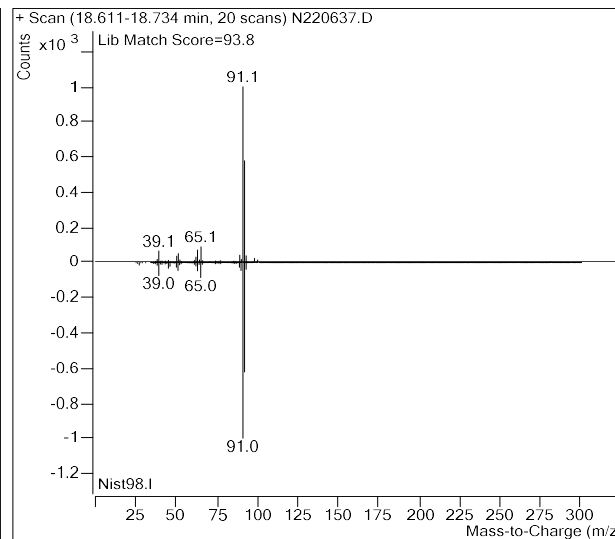
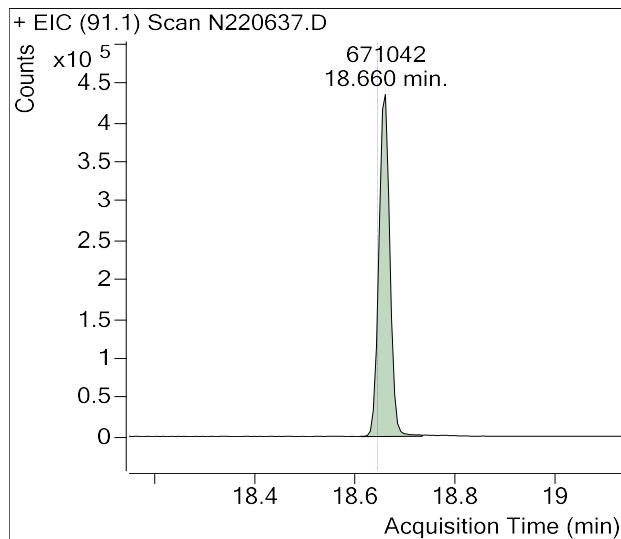
**(m)=Manual Integration**

**Benzene**

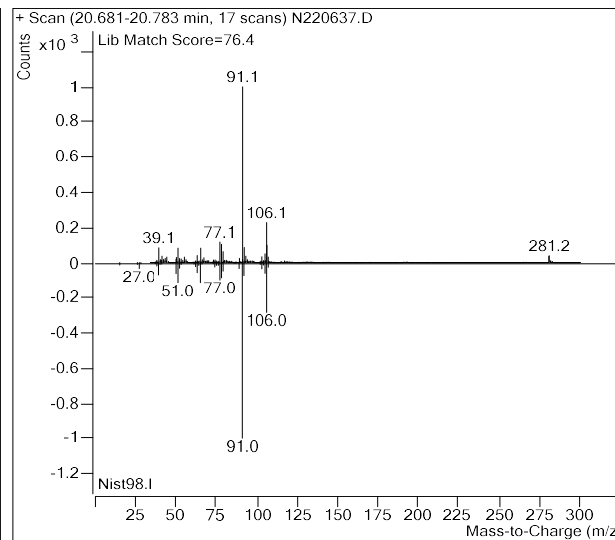
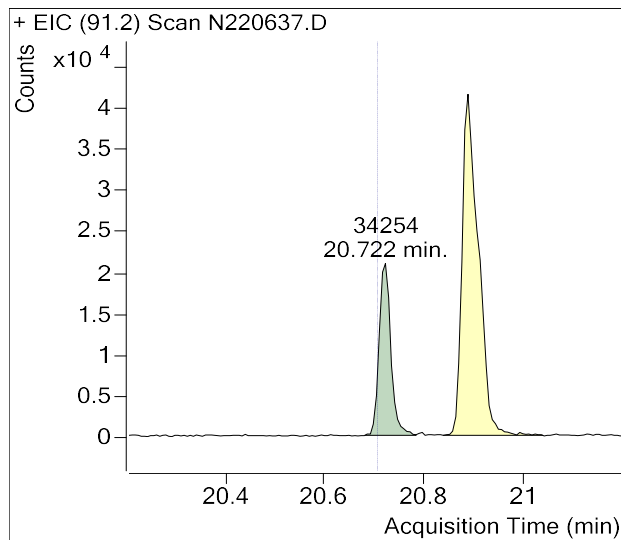


Sample Name : USSCL-PT05-S-20221025  
Sample Info : B27888  
Data File : N220637.D  
Acquisition Date : 2022-11-11 03:17:25  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR

## Toluene



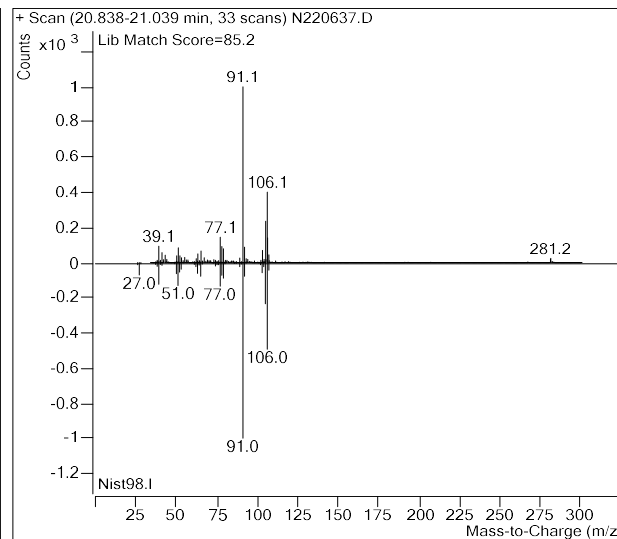
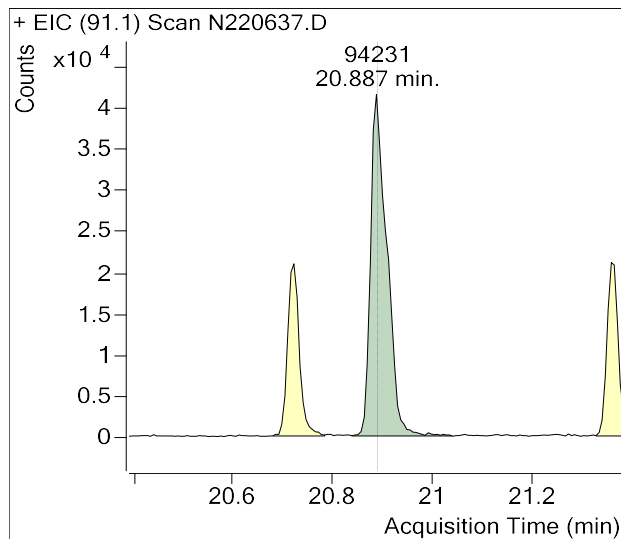
## Ethylbenzene



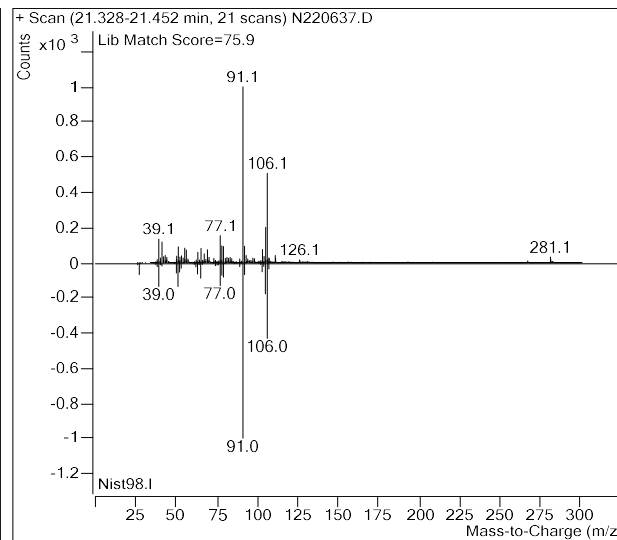
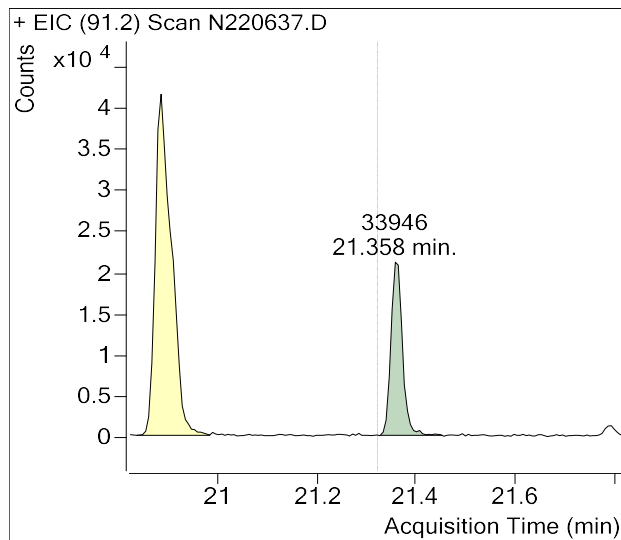


Sample Name : USSCL-PT05-S-20221025  
Sample Info : B27888  
Data File : N220637.D  
Acquisition Date : 2022-11-11 03:17:25  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR

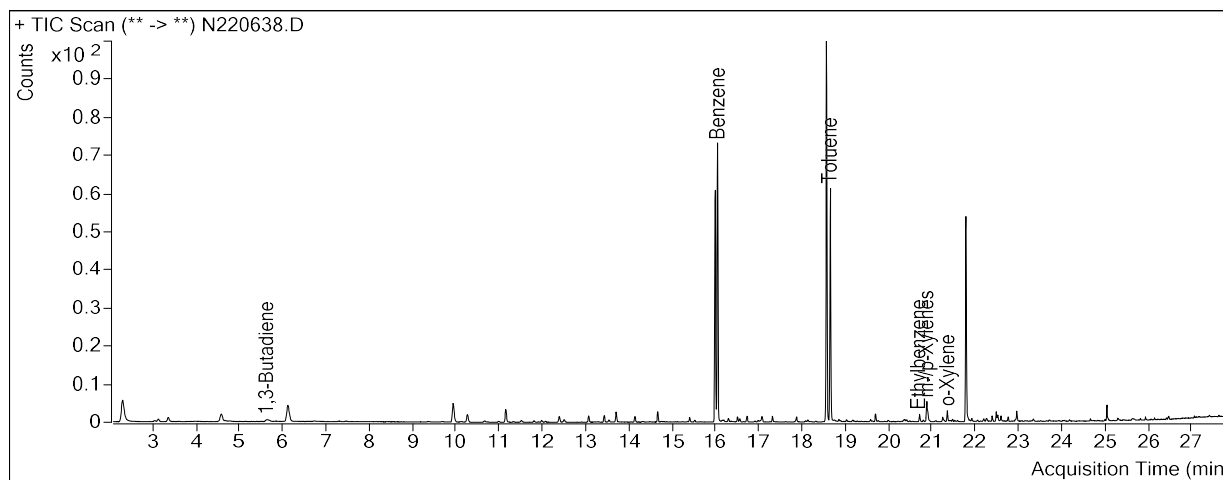
## m-/p-Xylenes



## o-Xylene



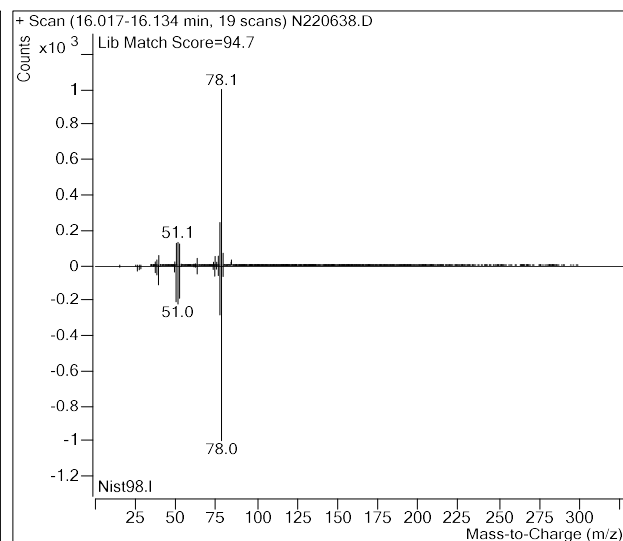
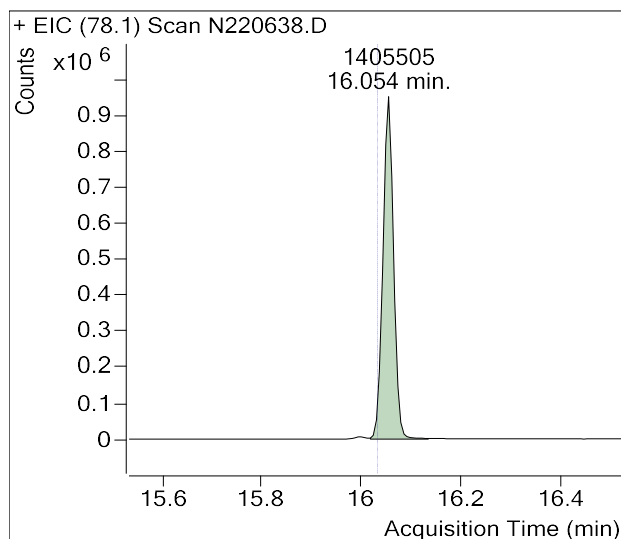
Sample Name : USSCL-PT06-S-20221025  
Sample Info : B15020  
Data File : N220638.D  
Acquisition Date : 2022-11-11 03:57:11  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR



Compound	Retention Time	Response	Flags
Benzene-d6 (IS)	15.97	1,283,317	
Benzene	16.03	1,405,505	
Toluene-d8 (IS)	18.55	1,545,157	
Toluene	18.64	1,035,678	
Ethylbenzene	20.70	35,471	
m-/p-Xylenes	20.89	105,111	
o-Xylene	21.32	40,153	

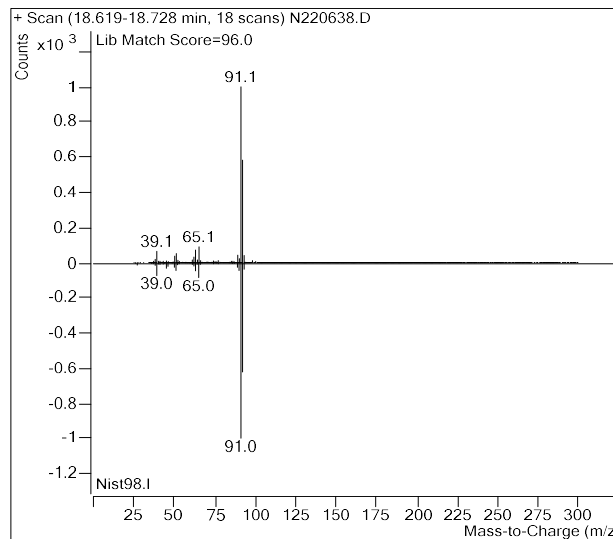
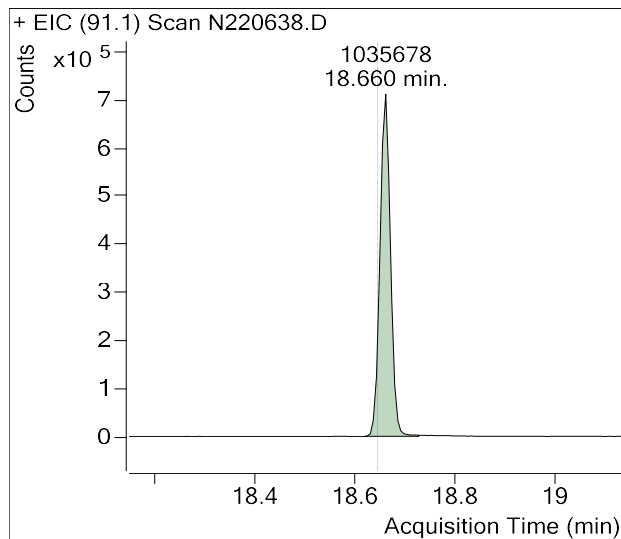
**(m)=Manual Integration**

Benzene

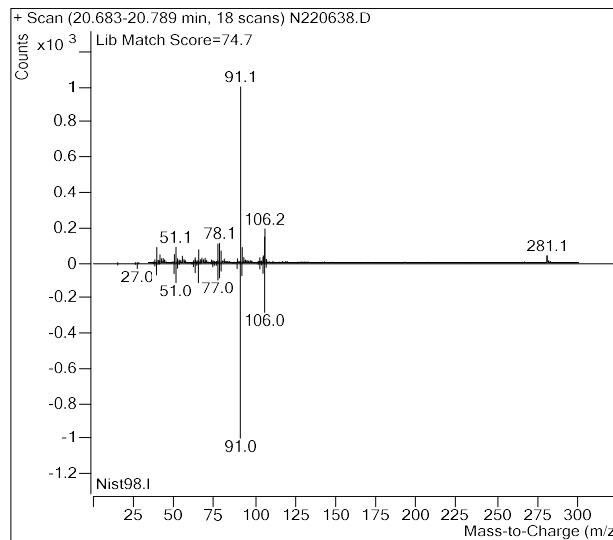
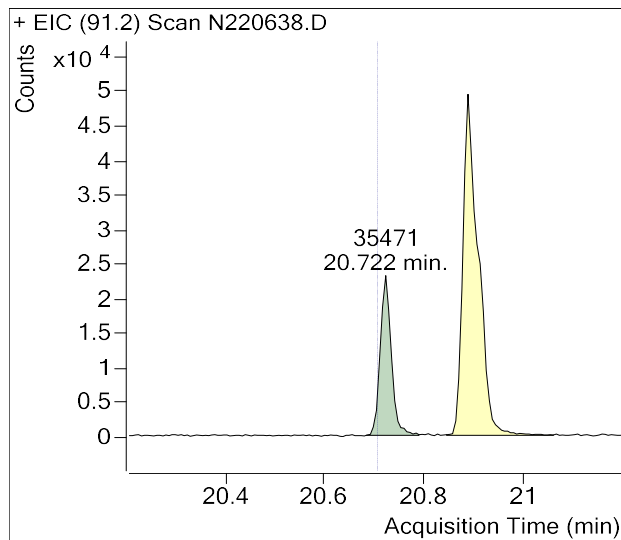


Sample Name : USSCL-PT06-S-20221025  
Sample Info : B15020  
Data File : N220638.D  
Acquisition Date : 2022-11-11 03:57:11  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR

## Toluene

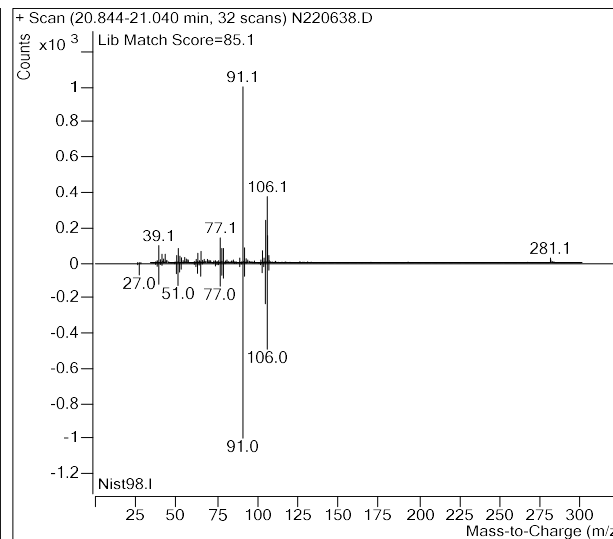
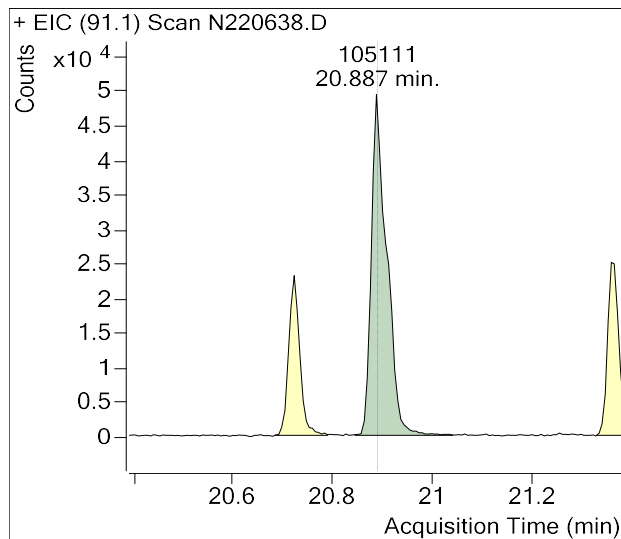


## Ethylbenzene

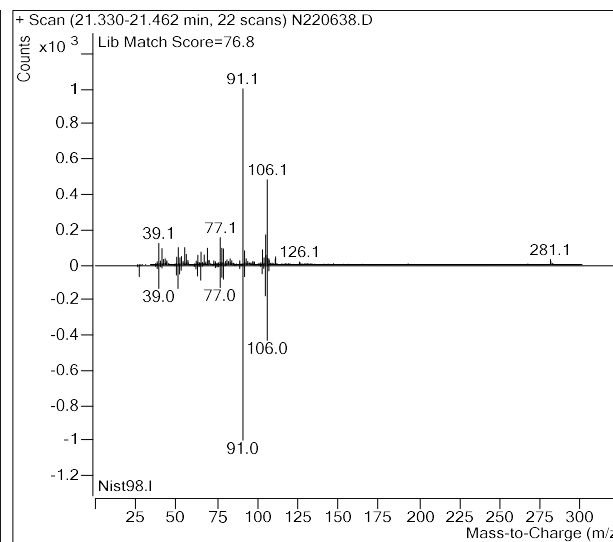
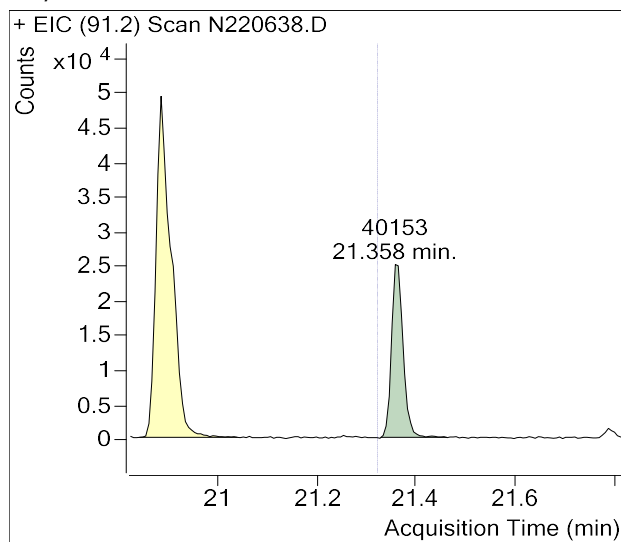


Sample Name : USSCL-PT06-S-20221025  
Sample Info : B15020  
Data File : N220638.D  
Acquisition Date : 2022-11-11 03:57:11  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR

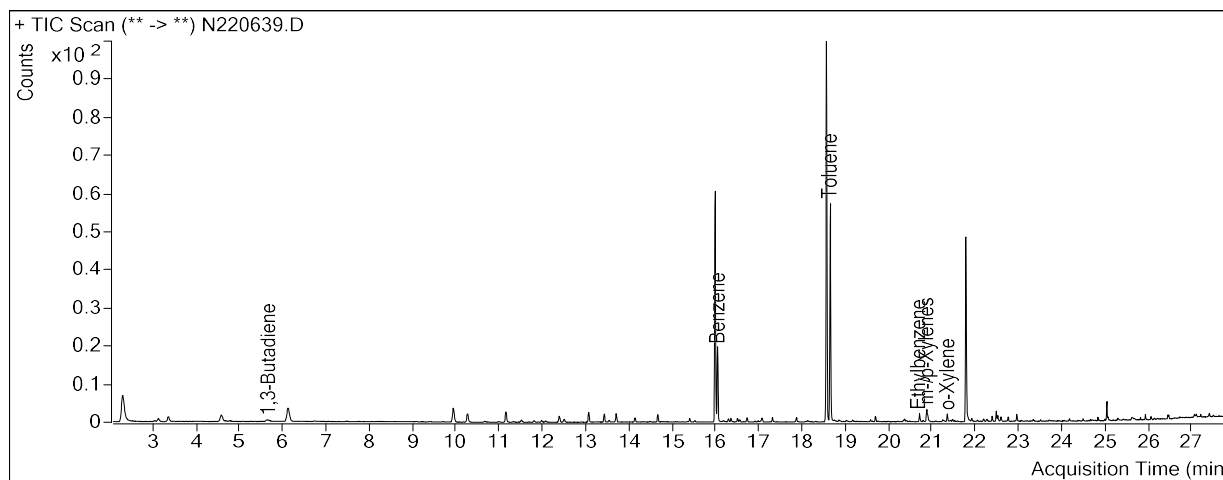
## m-/p-Xylenes



## o-Xylene



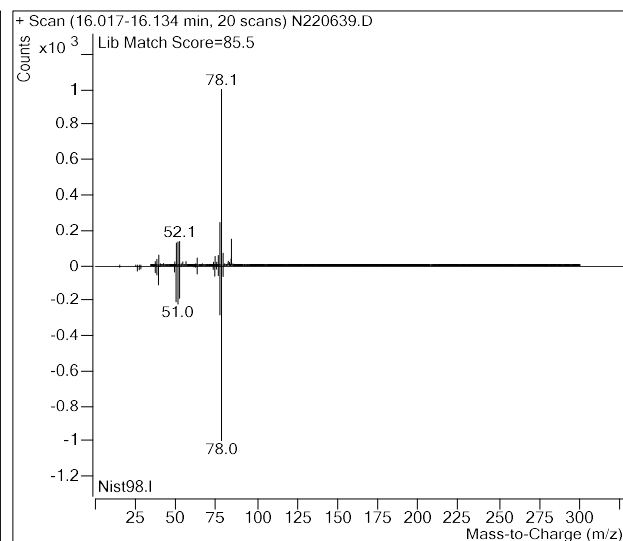
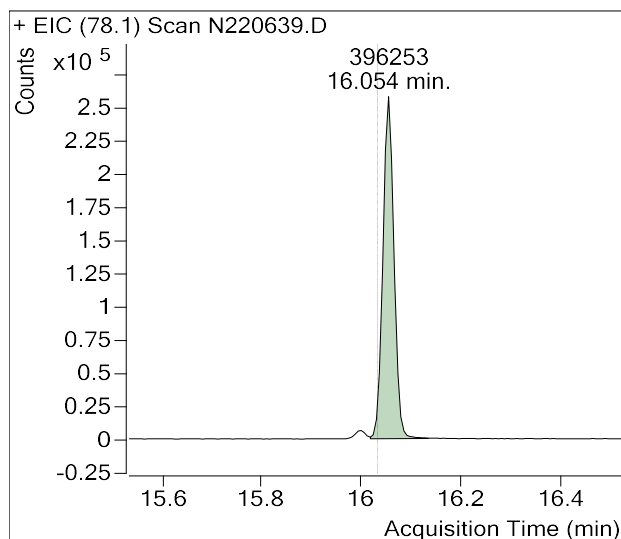
Sample Name : USSCL-PT07-S-20221025  
Sample Info : C01675  
Data File : N220639.D  
Acquisition Date : 2022-11-11 04:36:59  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR



Compound	Retention Time	Response	Flags
Benzene-d6 (IS)	15.97	1,282,061	
Benzene	16.03	396,253	
Toluene-d8 (IS)	18.55	1,542,566	
Toluene	18.64	990,472	
Ethylbenzene	20.70	39,601	
m-/p-Xylenes	20.89	66,699	
o-Xylene	21.32	29,012	

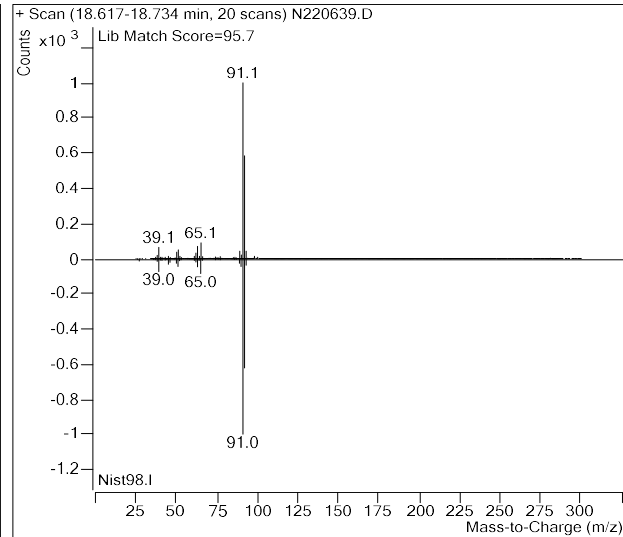
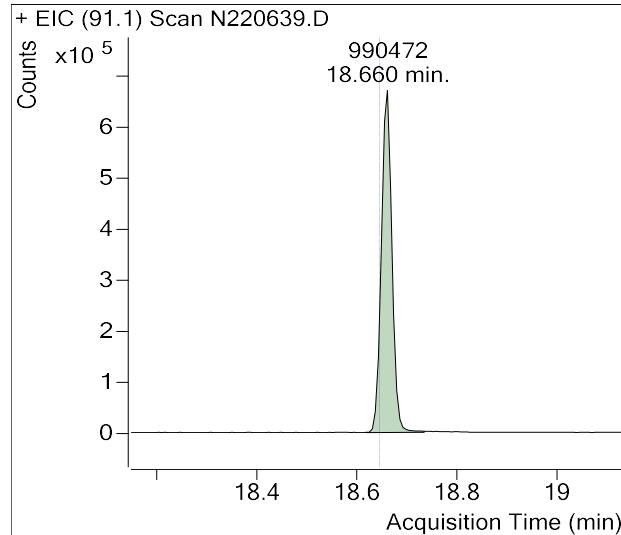
**(m)=Manual Integration**

Benzene

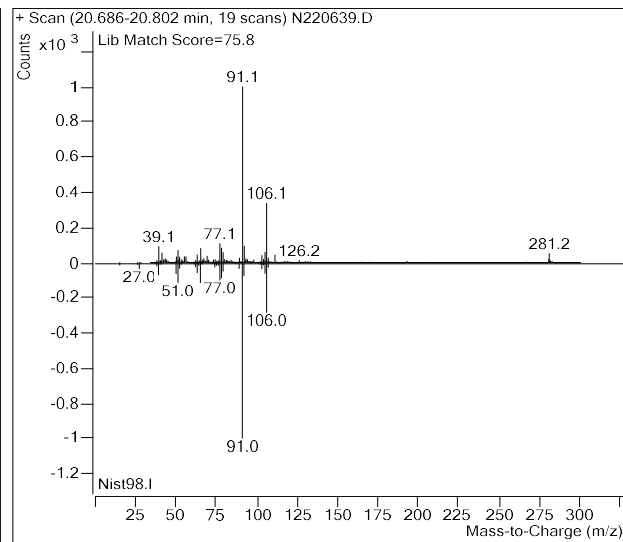
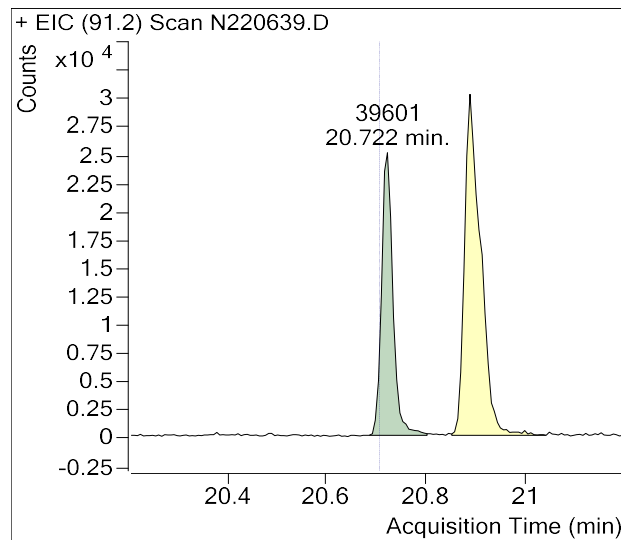


Sample Name : USSCL-PT07-S-20221025  
Sample Info : C01675  
Data File : N220639.D  
Acquisition Date : 2022-11-11 04:36:59  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR

## Toluene

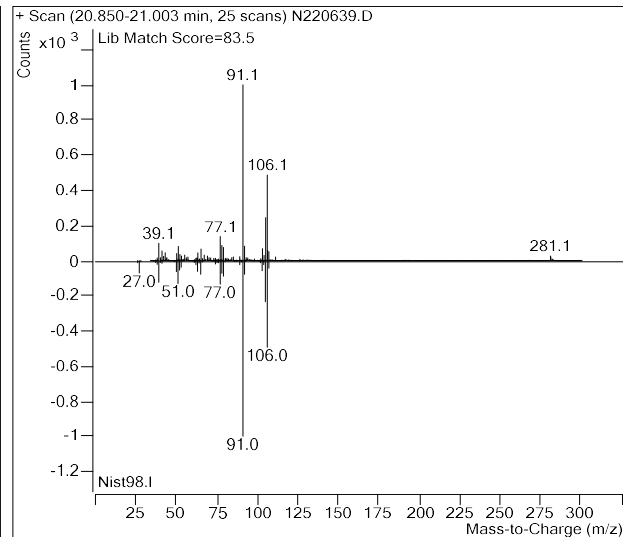
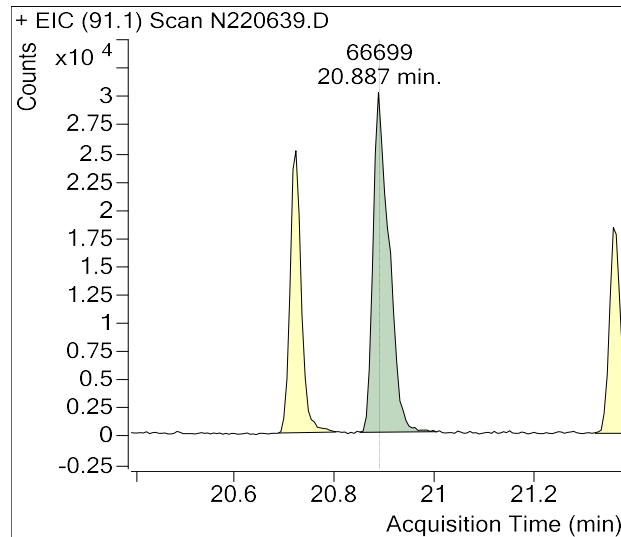


## Ethylbenzene

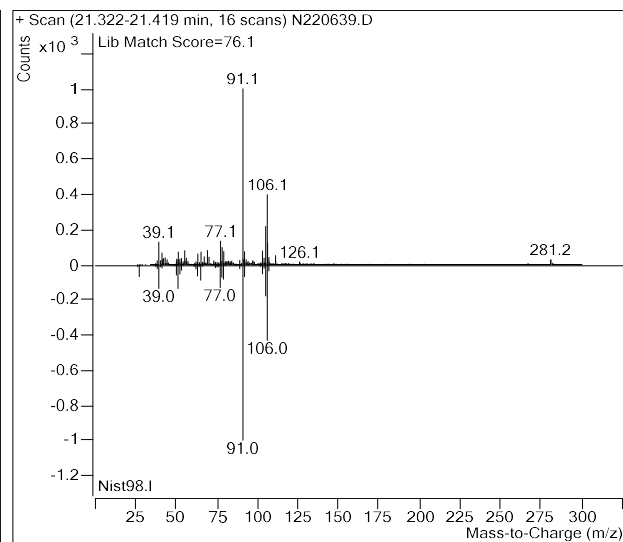
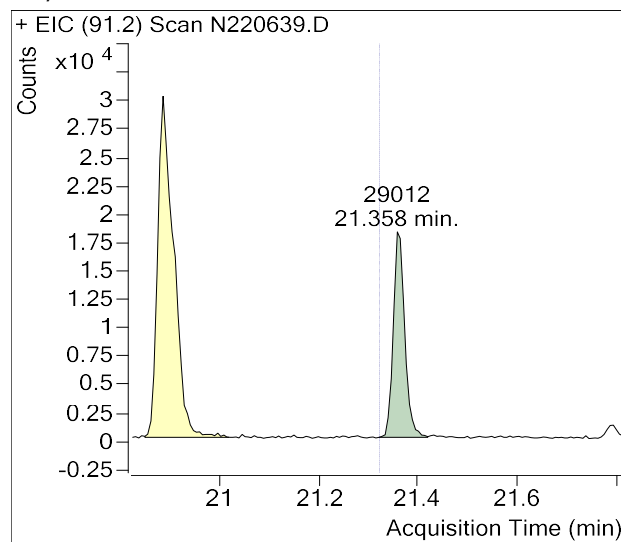


Sample Name : USSCL-PT07-S-20221025  
Sample Info : C01675  
Data File : N220639.D  
Acquisition Date : 2022-11-11 04:36:59  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR

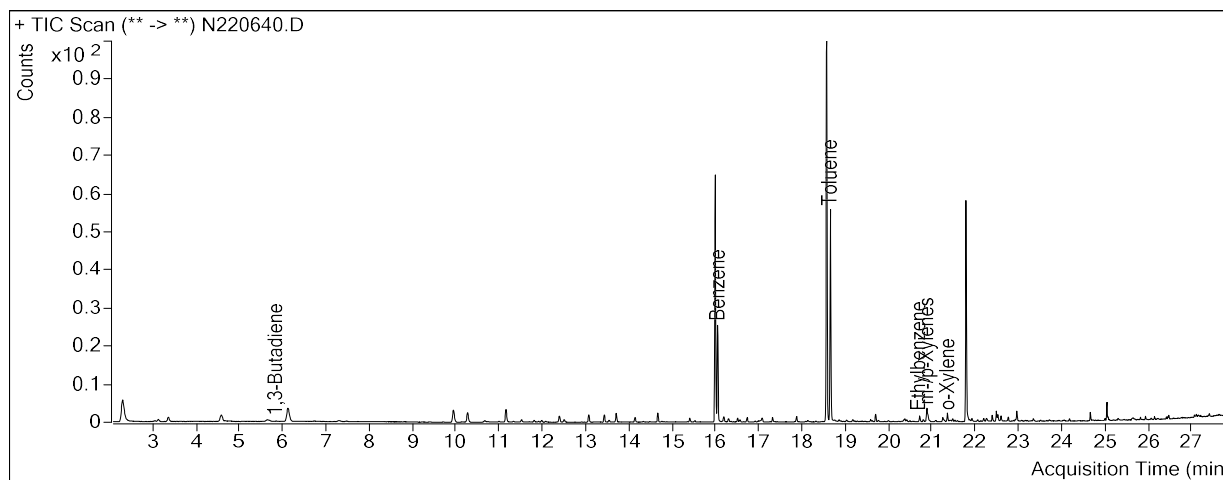
## m-/p-Xylenes



## o-Xylene



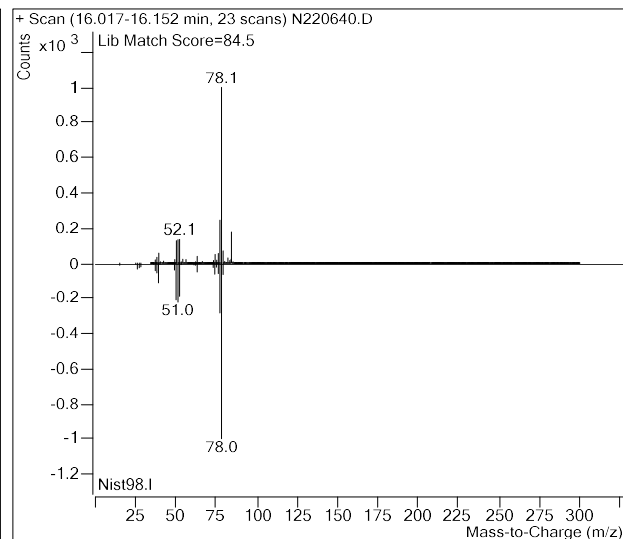
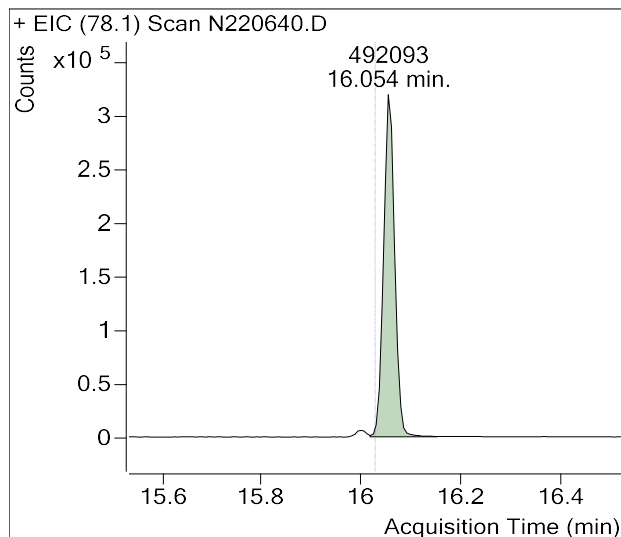
Sample Name : USSCL-PT08-S-20221025  
Sample Info : B10423  
Data File : N220640.D  
Acquisition Date : 2022-11-11 05:16:45  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR



Compound	Retention Time	Response	Flags
Benzene-d6 (IS)	15.97	1,288,429	
Benzene	16.03	492,093	
Toluene-d8 (IS)	18.55	1,565,827	
Toluene	18.64	944,306	
Ethylbenzene	20.70	27,677	
m-/p-Xylenes	20.89	71,178	
o-Xylene	21.32	28,599	

**(m)=Manual Integration**

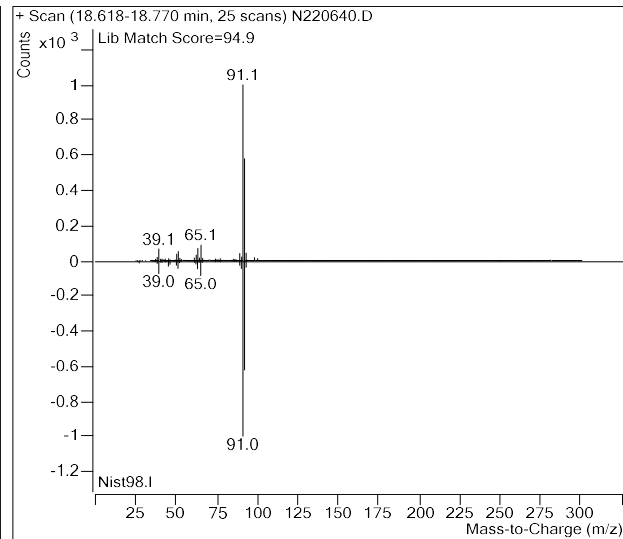
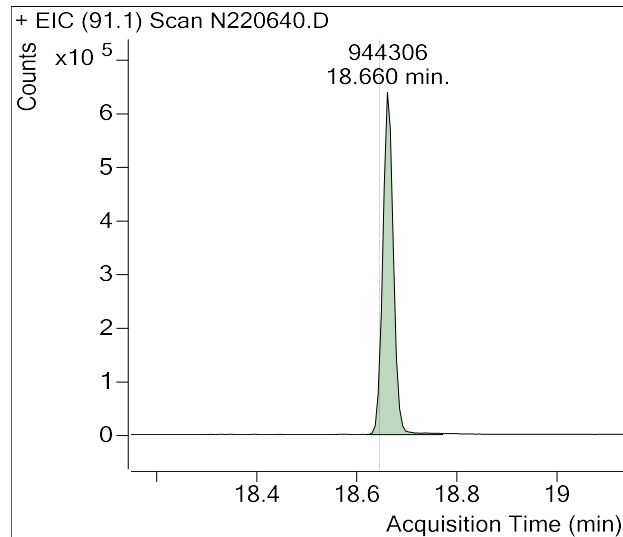
Benzene



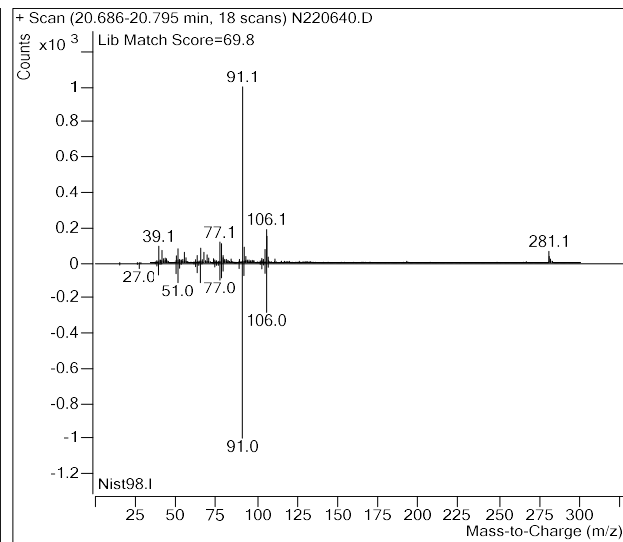
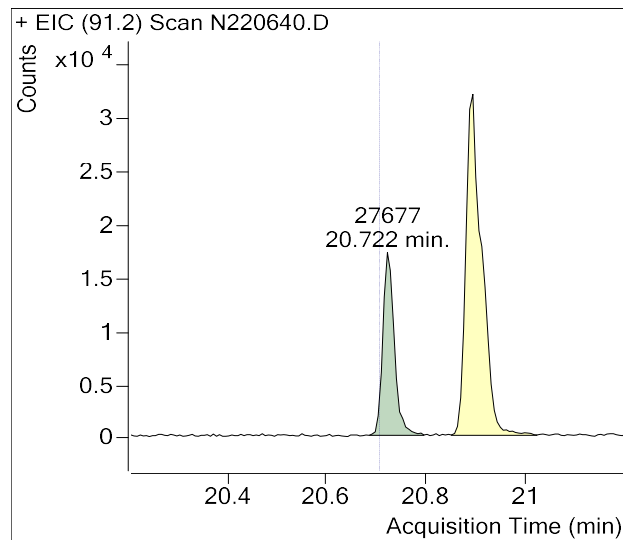


Sample Name : USSCL-PT08-S-20221025  
Sample Info : B10423  
Data File : N220640.D  
Acquisition Date : 2022-11-11 05:16:45  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR

## Toluene

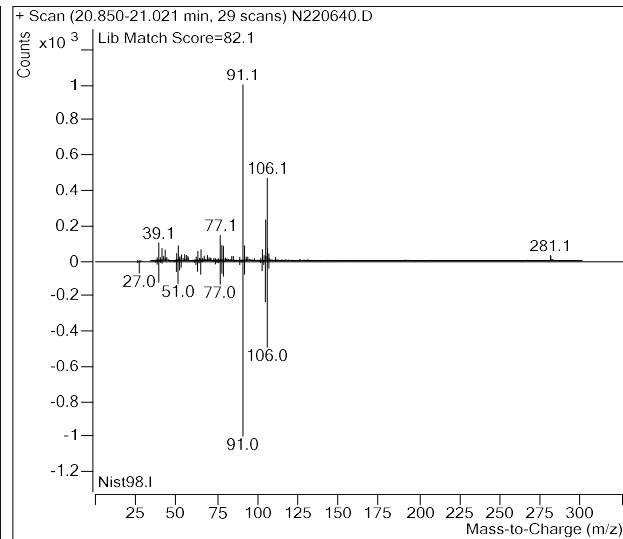
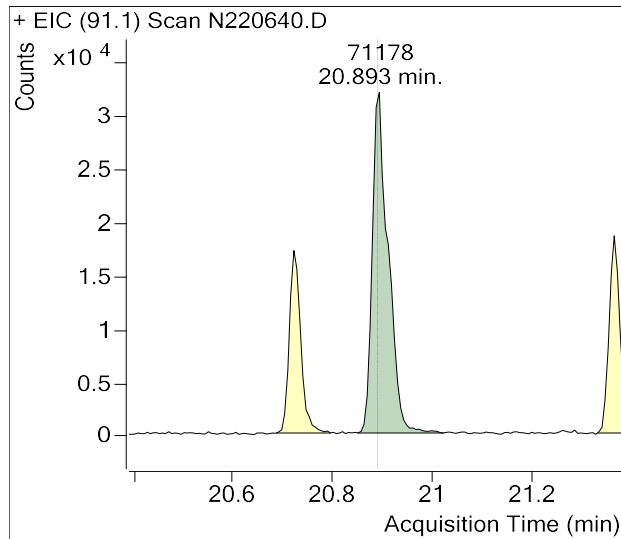


## Ethylbenzene

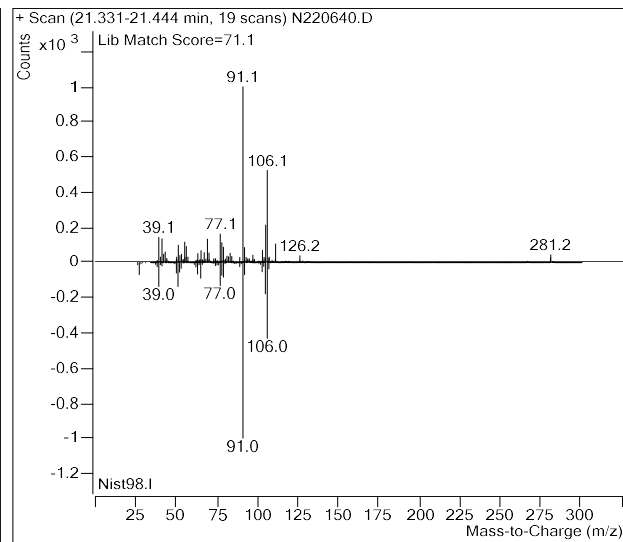
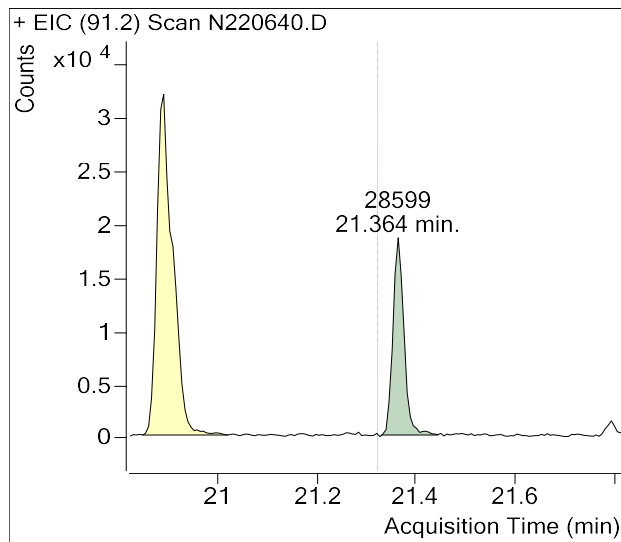


Sample Name : USSCL-PT08-S-20221025  
Sample Info : B10423  
Data File : N220640.D  
Acquisition Date : 2022-11-11 05:16:45  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR

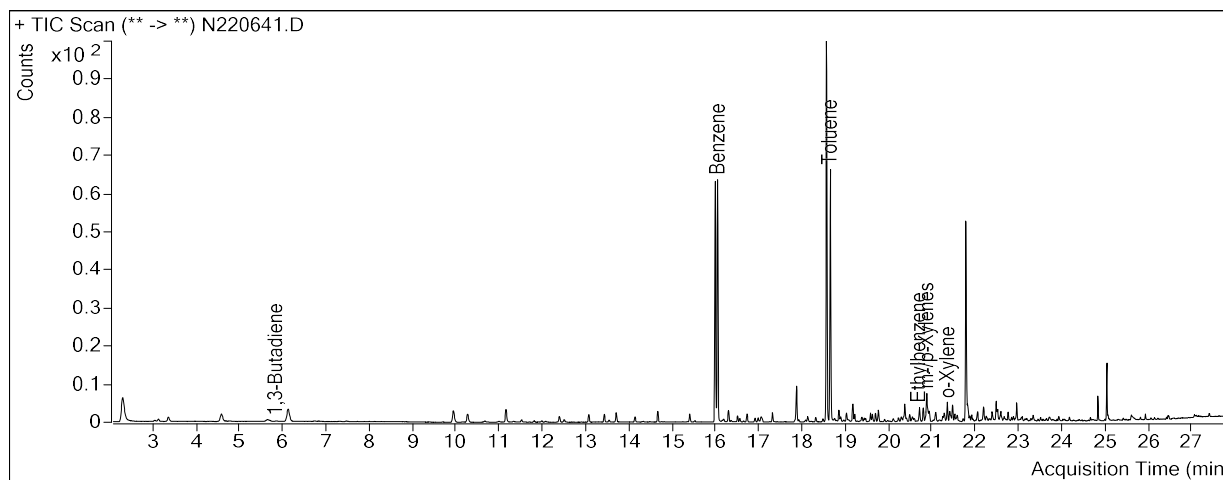
## m-/p-Xylenes



## o-Xylene



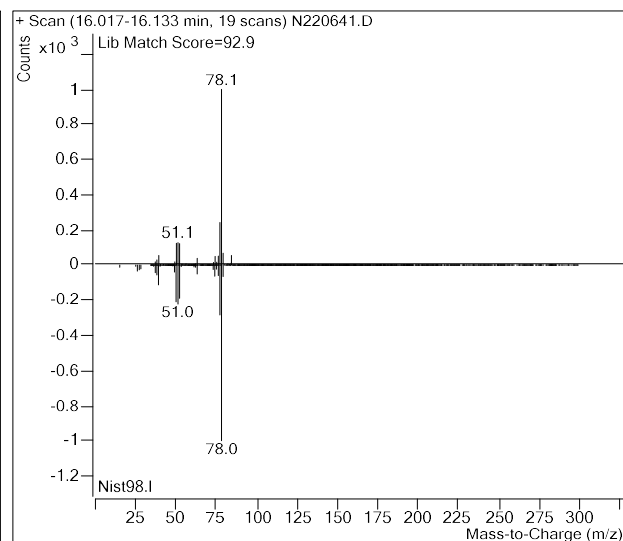
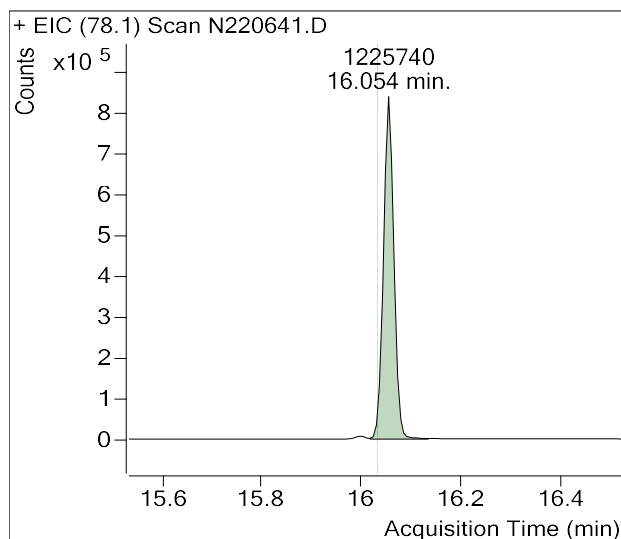
Sample Name : USSCL-PT09-S-20221025  
Sample Info : B15714  
Data File : N220641.D  
Acquisition Date : 2022-11-11 05:56:33  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR



Compound	Retention Time	Response	Flags
Benzene-d6 (IS)	15.97	1,299,551	
Benzene	16.03	1,225,740	
Toluene-d8 (IS)	18.55	1,575,392	
Toluene	18.64	1,150,049	
Ethylbenzene	20.70	61,606	
m-/p-Xylenes	20.89	133,161	
o-Xylene	21.32	60,678	

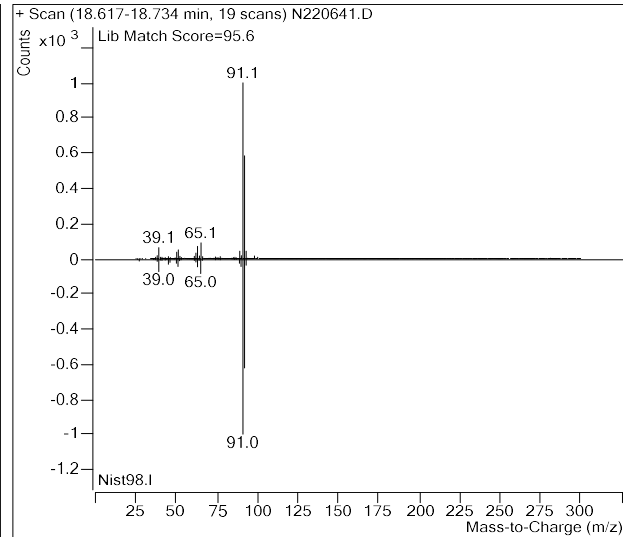
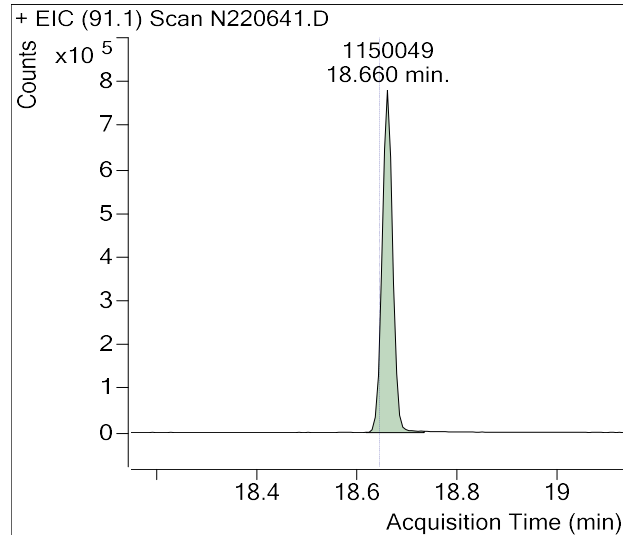
**(m)=Manual Integration**

Benzene

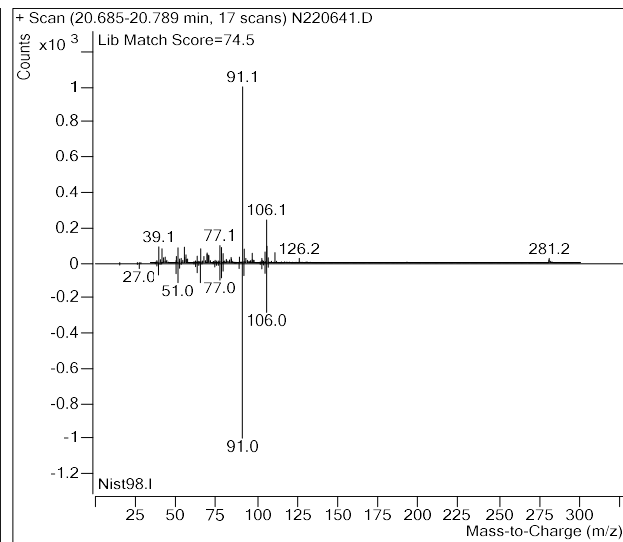
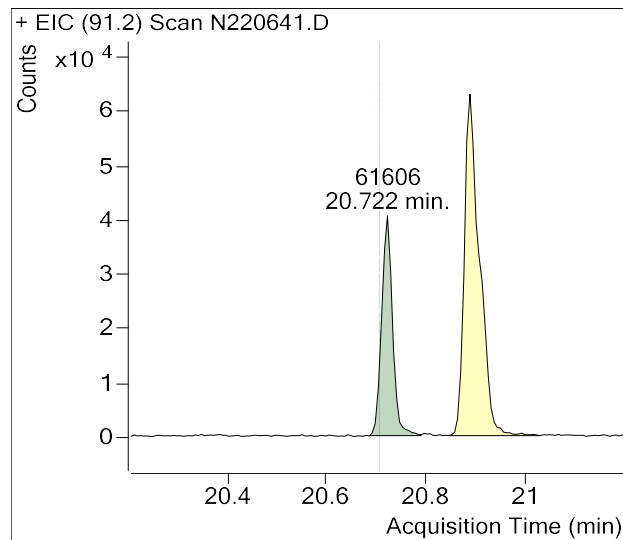


Sample Name : USSCL-PT09-S-20221025  
Sample Info : B15714  
Data File : N220641.D  
Acquisition Date : 2022-11-11 05:56:33  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR

## Toluene

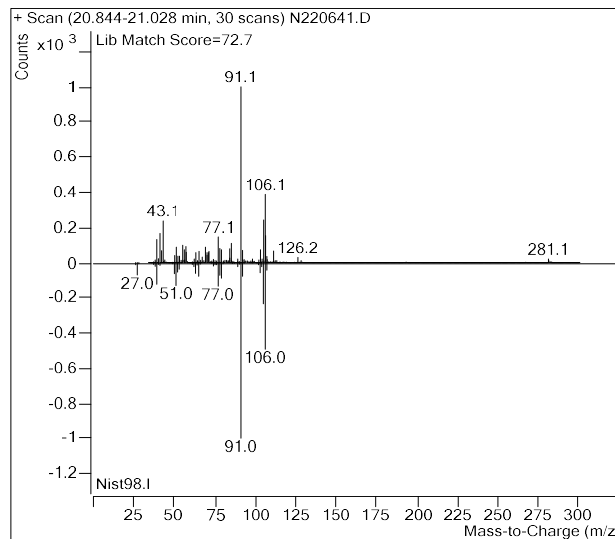
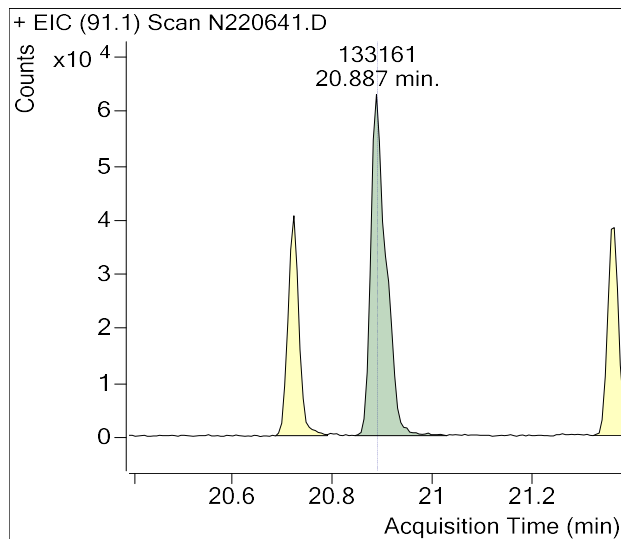


## Ethylbenzene

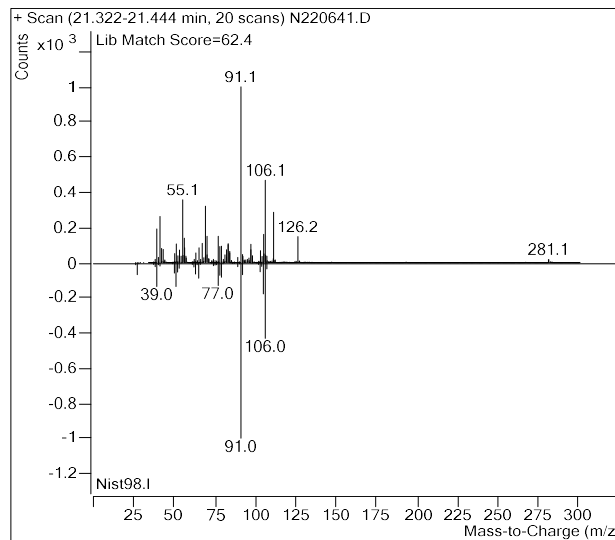
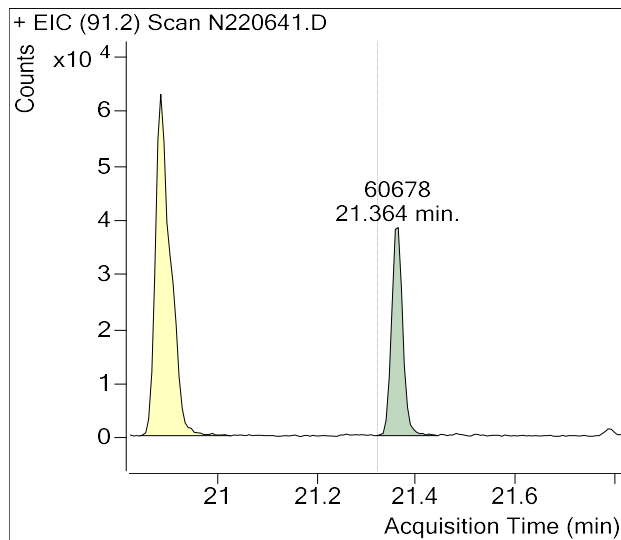


Sample Name : USSCL-PT09-S-20221025  
Sample Info : B15714  
Data File : N220641.D  
Acquisition Date : 2022-11-11 05:56:33  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR

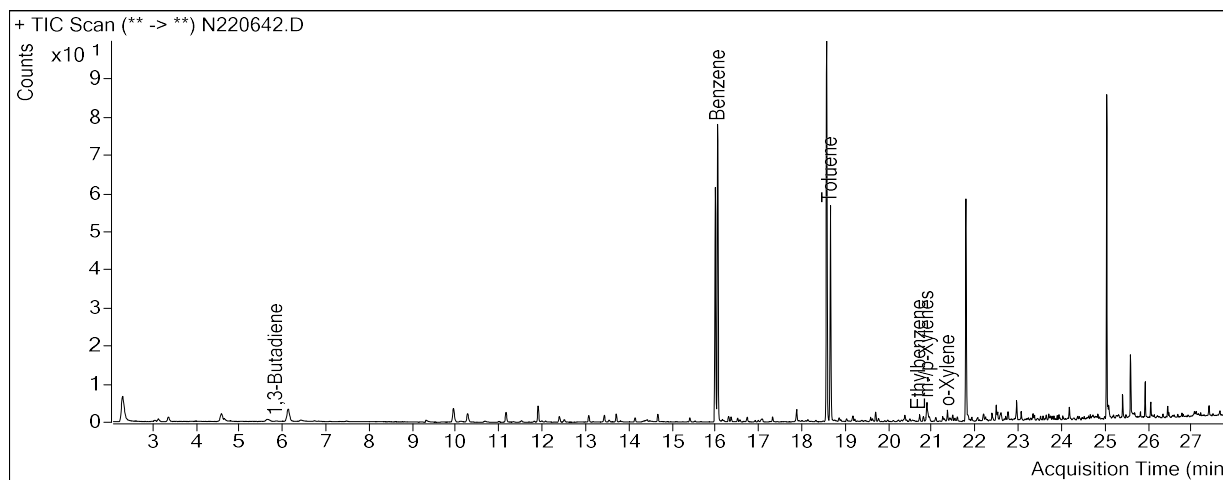
## m-/p-Xylenes



## o-Xylene



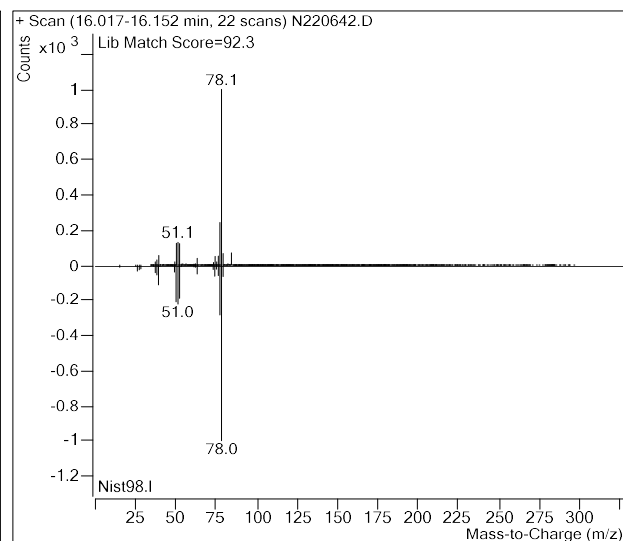
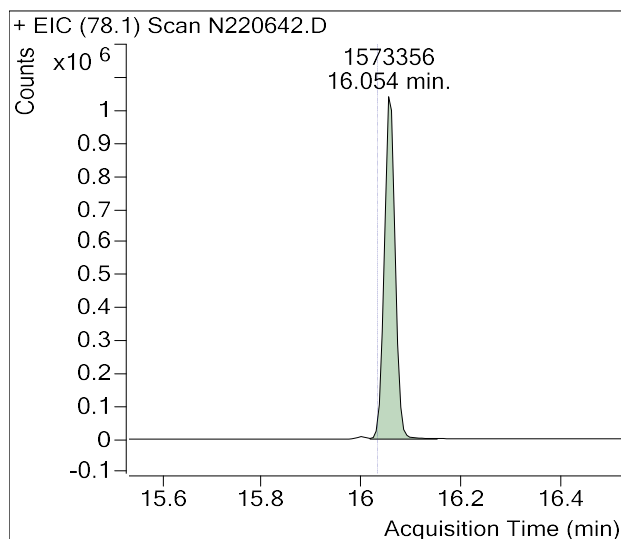
Sample Name : USSCL-PT10-S-20221025  
Sample Info : C20600  
Data File : N220642.D  
Acquisition Date : 2022-11-11 06:36:20  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR



Compound	Retention Time	Response	Flags
Benzene-d6 (IS)	15.97	1,318,801	
Benzene	16.03	1,573,356	
Toluene-d8 (IS)	18.55	1,588,285	
Toluene	18.64	1,003,530	
Ethylbenzene	20.70	30,522	
m-/p-Xylenes	20.89	99,666	
o-Xylene	21.32	37,438	

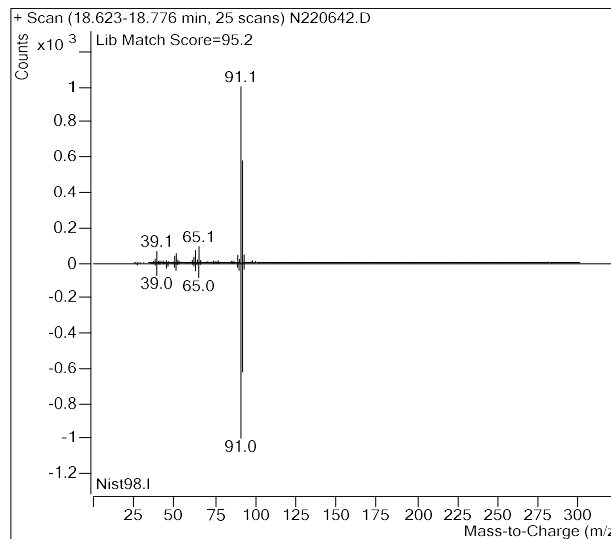
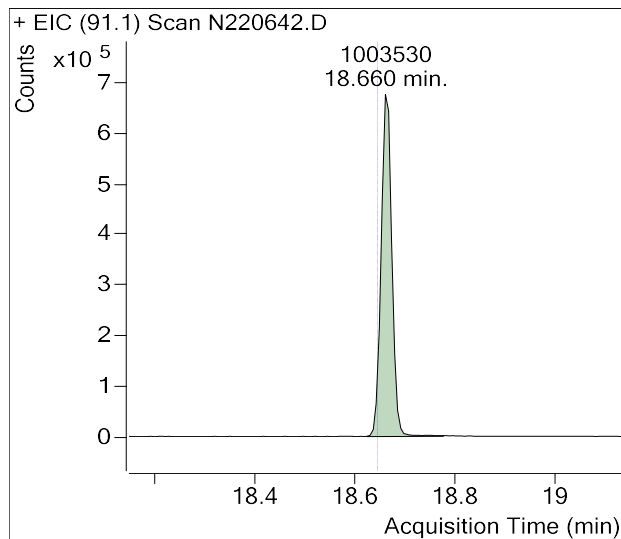
**(m)=Manual Integration**

Benzene

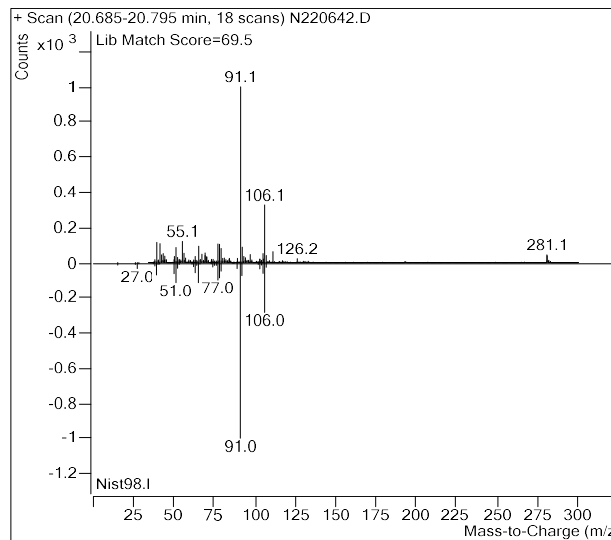
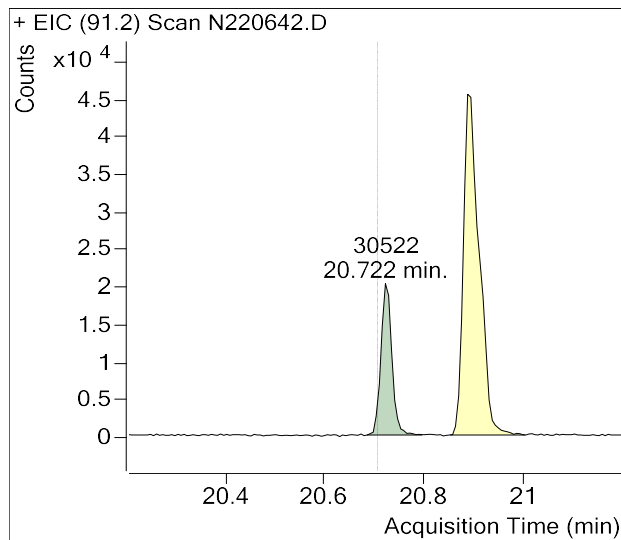


Sample Name : USSCL-PT10-S-20221025  
Sample Info : C20600  
Data File : N220642.D  
Acquisition Date : 2022-11-11 06:36:20  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR

## Toluene

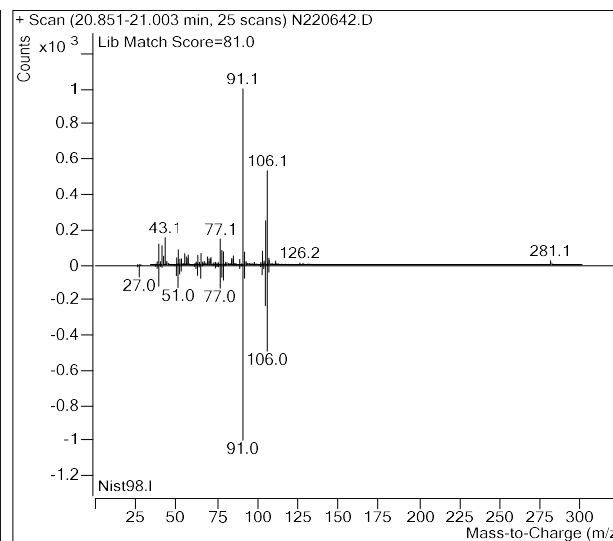
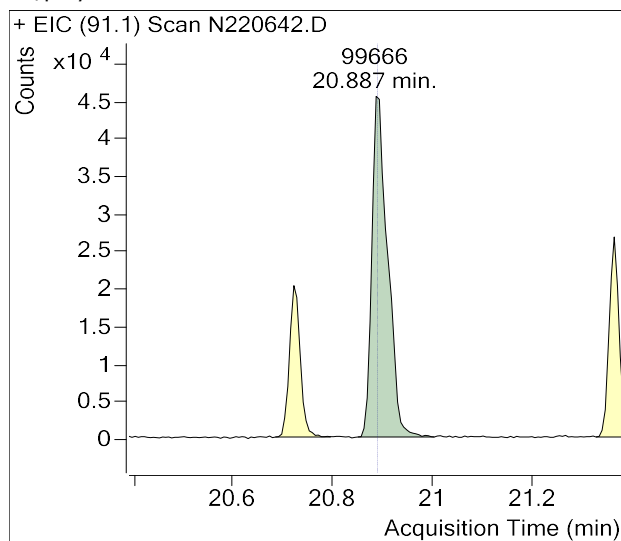


## Ethylbenzene

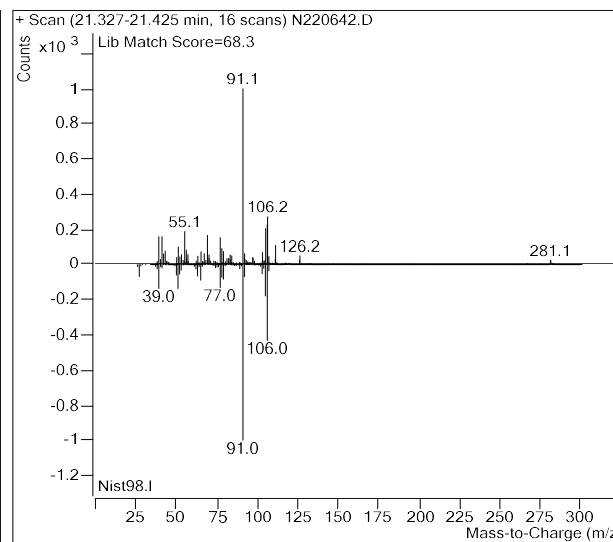
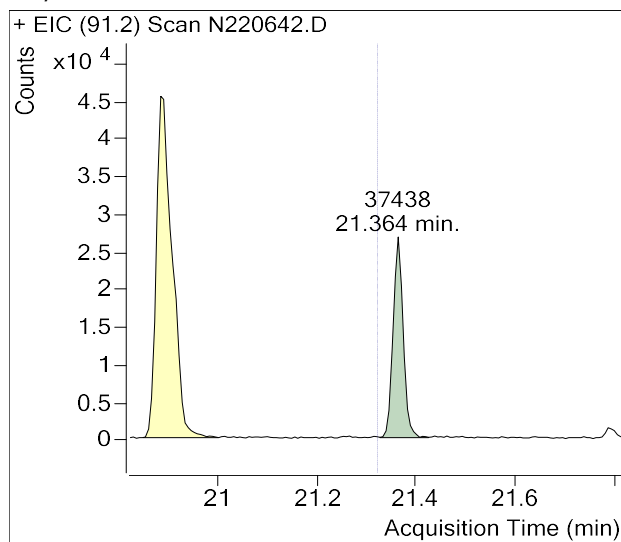


Sample Name : USSCL-PT10-S-20221025  
Sample Info : C20600  
Data File : N220642.D  
Acquisition Date : 2022-11-11 06:36:20  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR

## m-/p-Xylenes

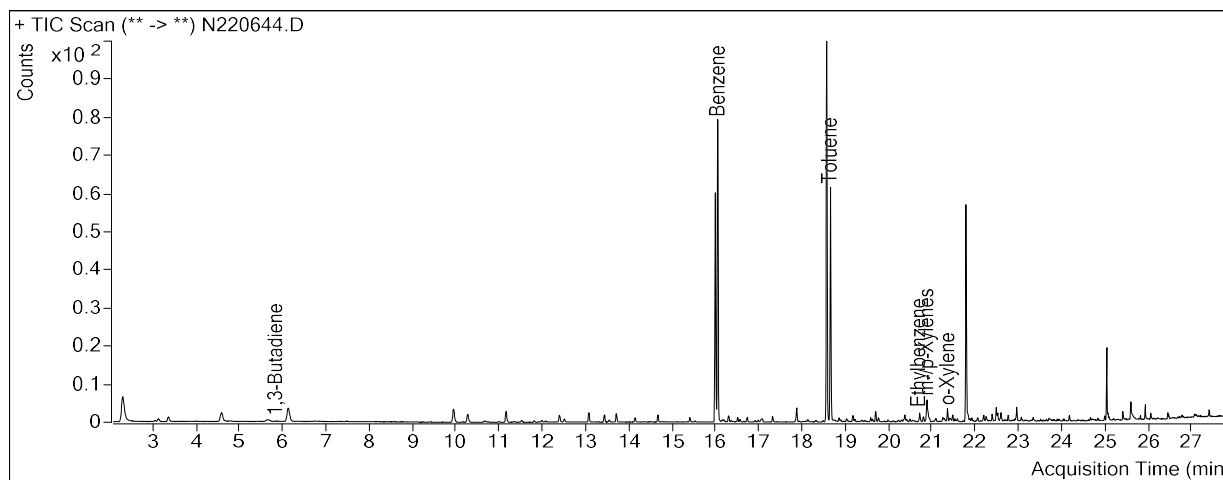


## o-Xylene





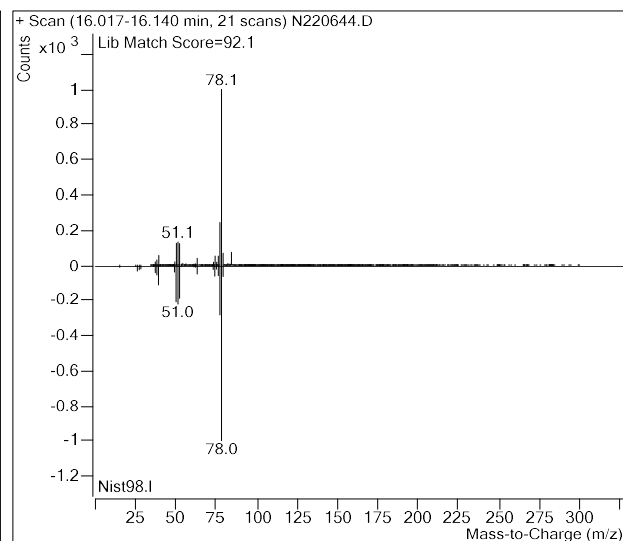
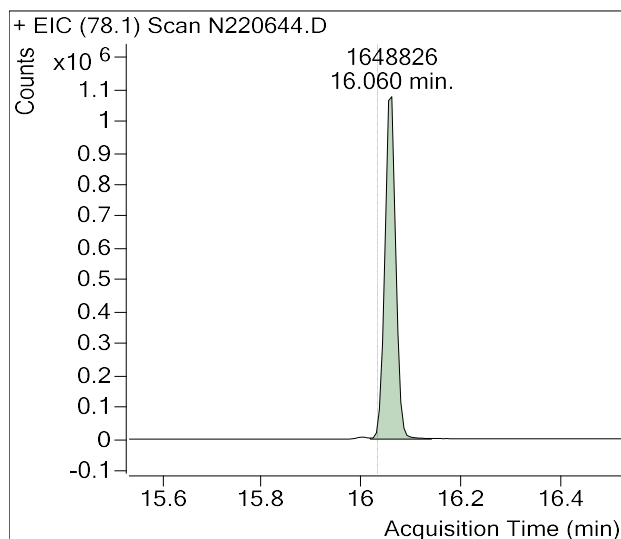
Sample Name : USSCL-PT10-D-20221025  
Sample Info : B52726  
Data File : N220644.D  
Acquisition Date : 2022-11-11 07:55:54  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR



Compound	Retention Time	Response	Flags
Benzene-d6 (IS)	15.97	1,311,713	
Benzene	16.03	1,648,826	
Toluene-d8 (IS)	18.55	1,587,934	
Toluene	18.64	1,117,353	
Ethylbenzene	20.70	42,347	
m-/p-Xylenes	20.89	116,923	
o-Xylene	21.32	44,881	

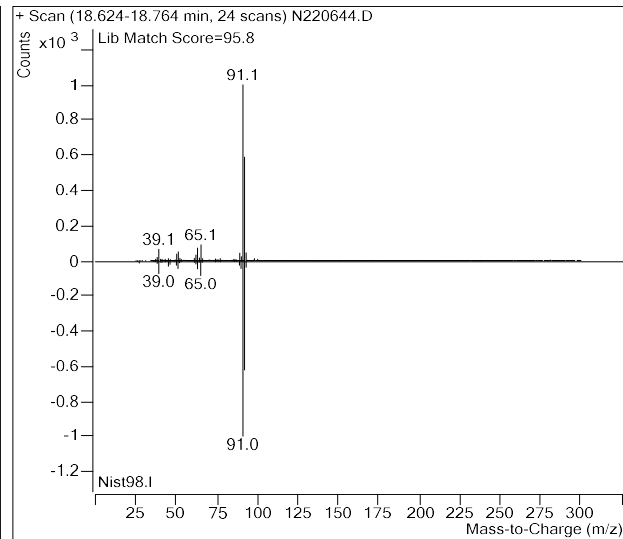
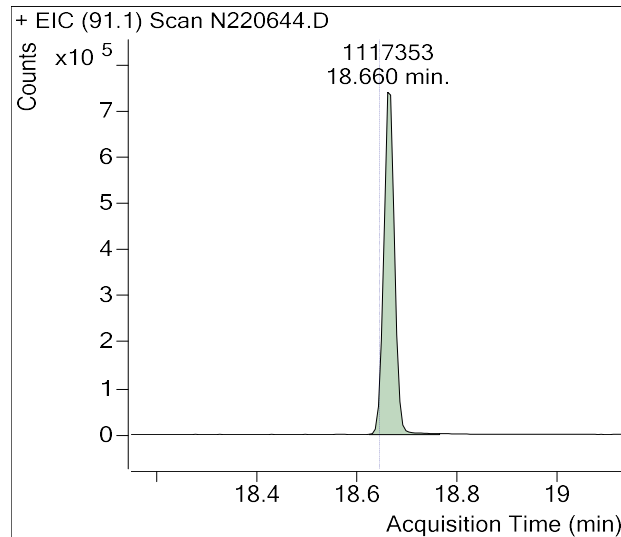
**(m)=Manual Integration**

Benzene

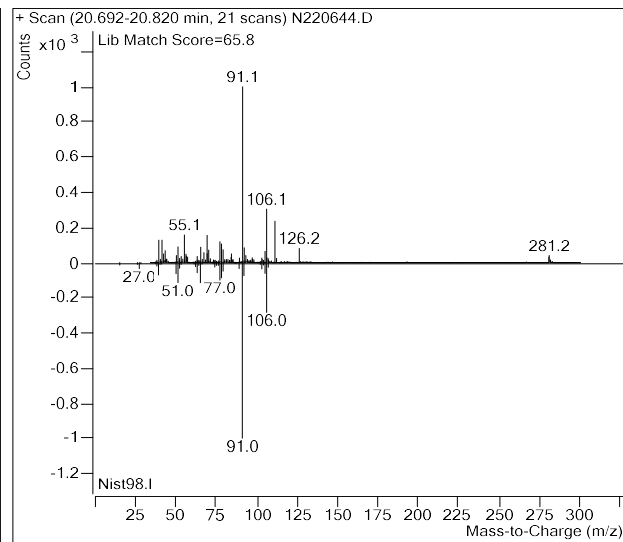
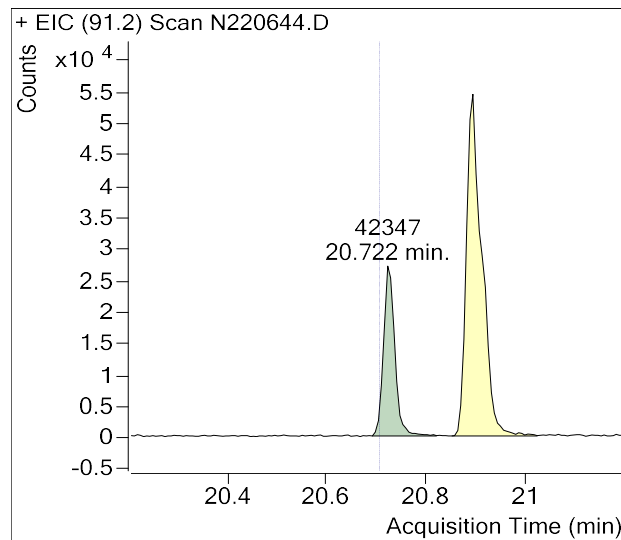


Sample Name : USSCL-PT10-D-20221025  
Sample Info : B52726  
Data File : N220644.D  
Acquisition Date : 2022-11-11 07:55:54  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR

## Toluene

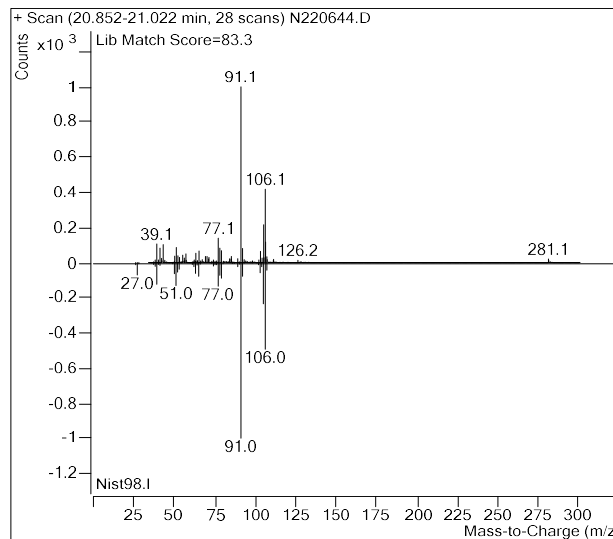
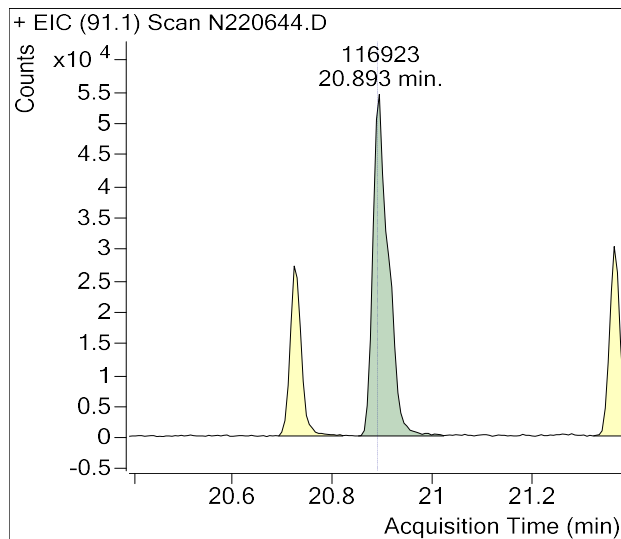


## Ethylbenzene

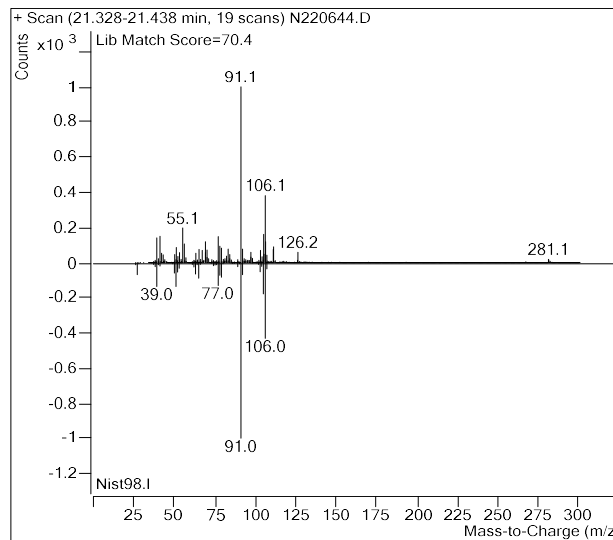
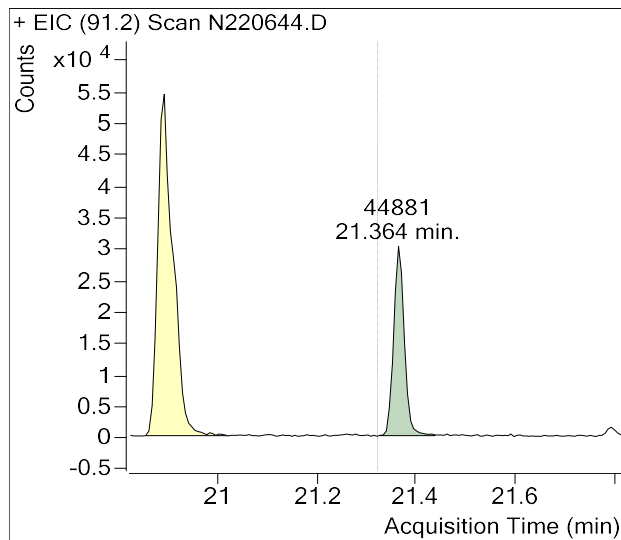


Sample Name : USSCL-PT10-D-20221025  
Sample Info : B52726  
Data File : N220644.D  
Acquisition Date : 2022-11-11 07:55:54  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR

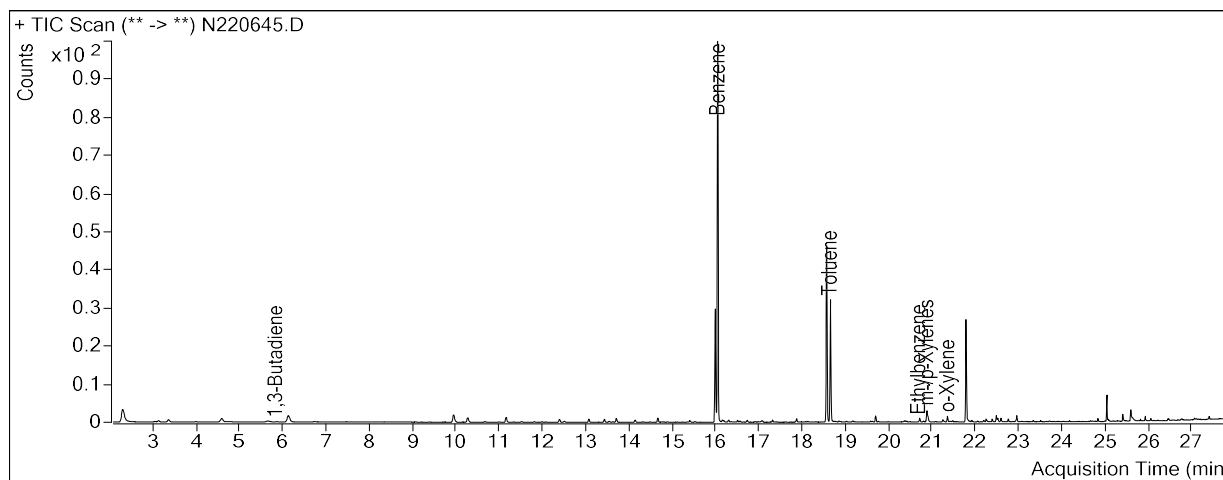
## m-/p-Xylenes



## o-Xylene



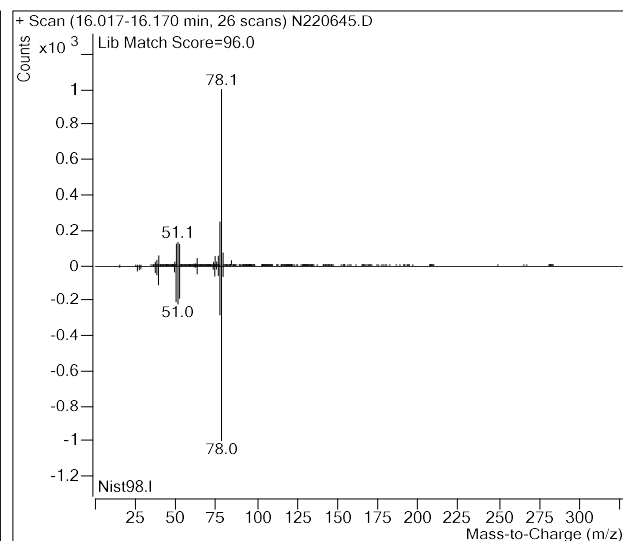
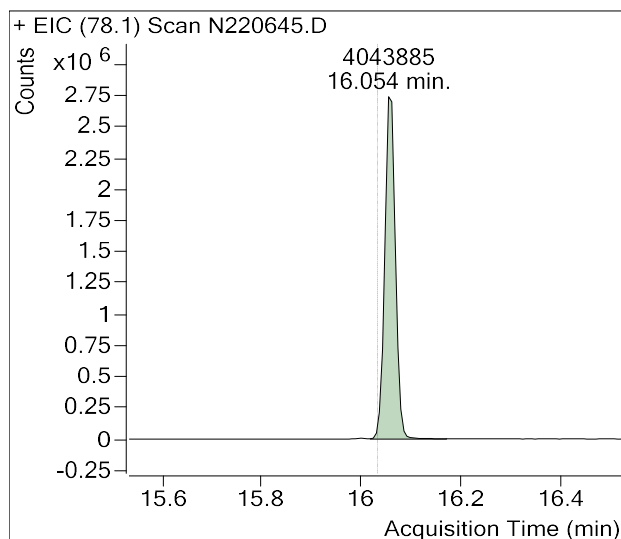
Sample Name : USSCL-PT11-S-20221025  
Sample Info : C00682  
Data File : N220645.D  
Acquisition Date : 2022-11-11 08:35:41  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR



Compound	Retention Time	Response	Flags
Benzene-d6 (IS)	15.97	1,282,471	
Benzene	16.03	4,043,885	
Toluene-d8 (IS)	18.55	1,545,848	
Toluene	18.64	1,165,778	
Ethylbenzene	20.70	41,211	
m-/p-Xylenes	20.89	129,603	
o-Xylene	21.32	43,382	

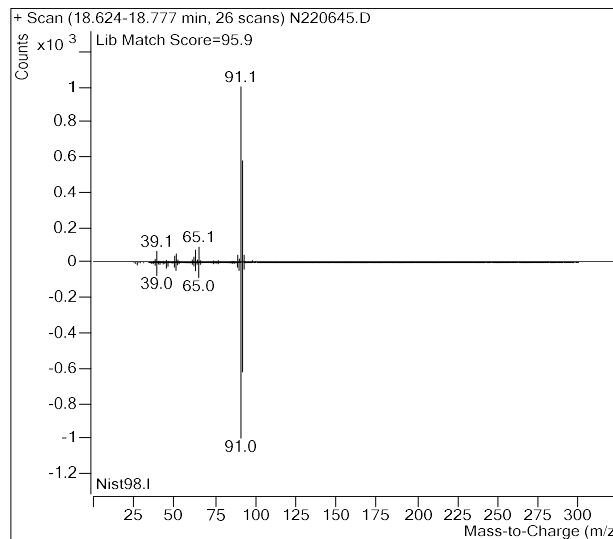
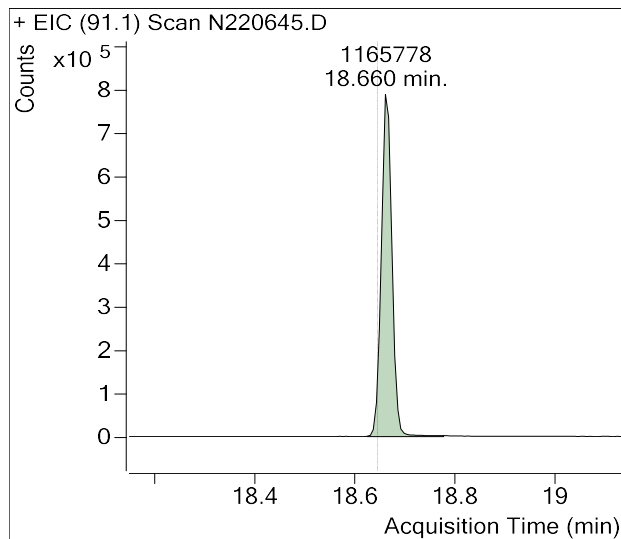
**(m)=Manual Integration**

**Benzene**

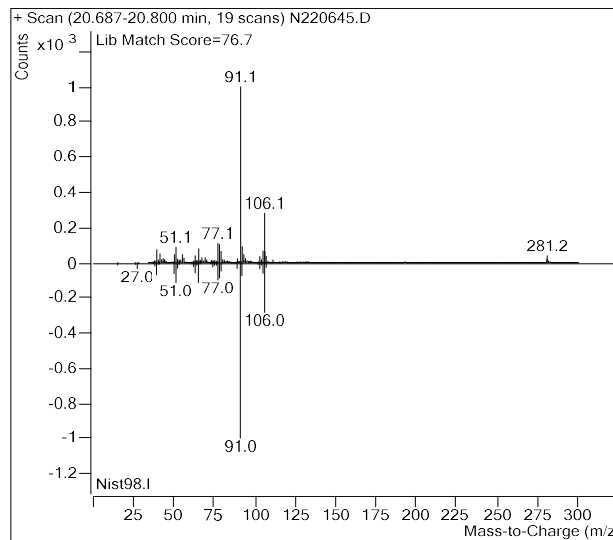
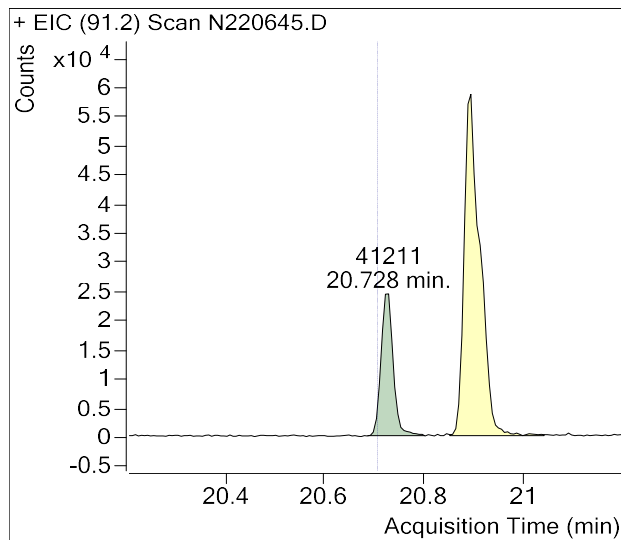


Sample Name : USSCL-PT11-S-20221025  
Sample Info : C00682  
Data File : N220645.D  
Acquisition Date : 2022-11-11 08:35:41  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR

## Toluene

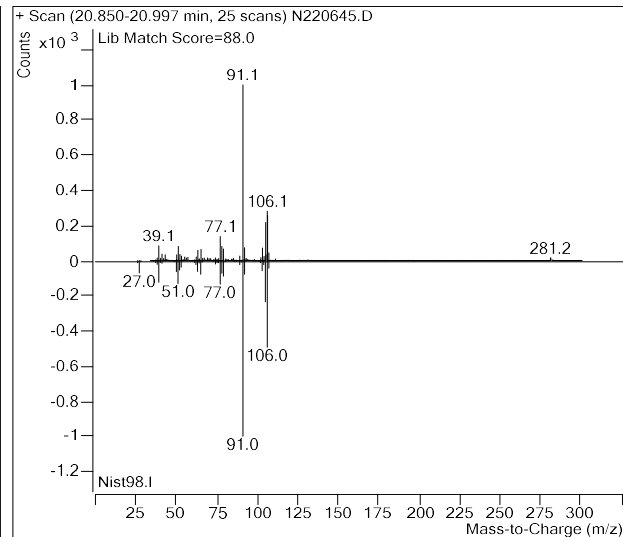
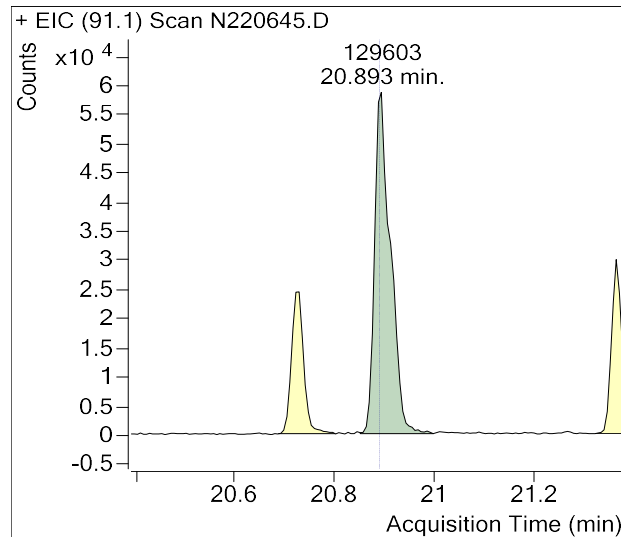


## Ethylbenzene

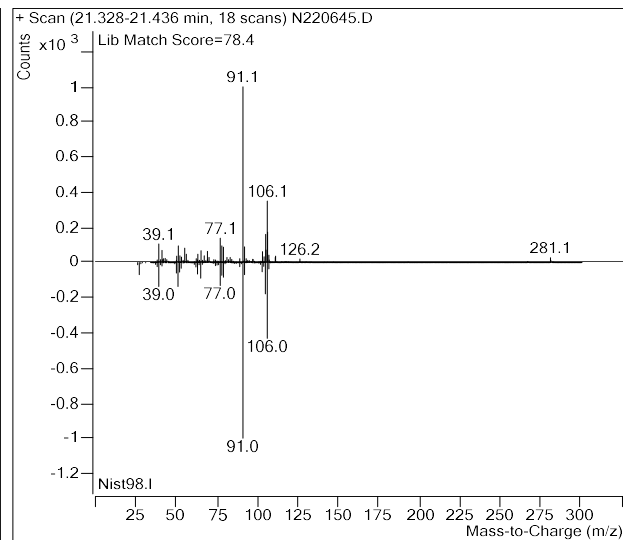
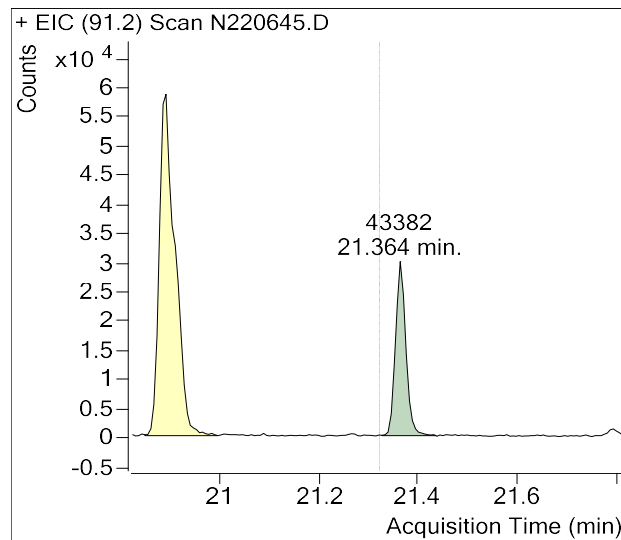


Sample Name : USSCL-PT11-S-20221025  
Sample Info : C00682  
Data File : N220645.D  
Acquisition Date : 2022-11-11 08:35:41  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR

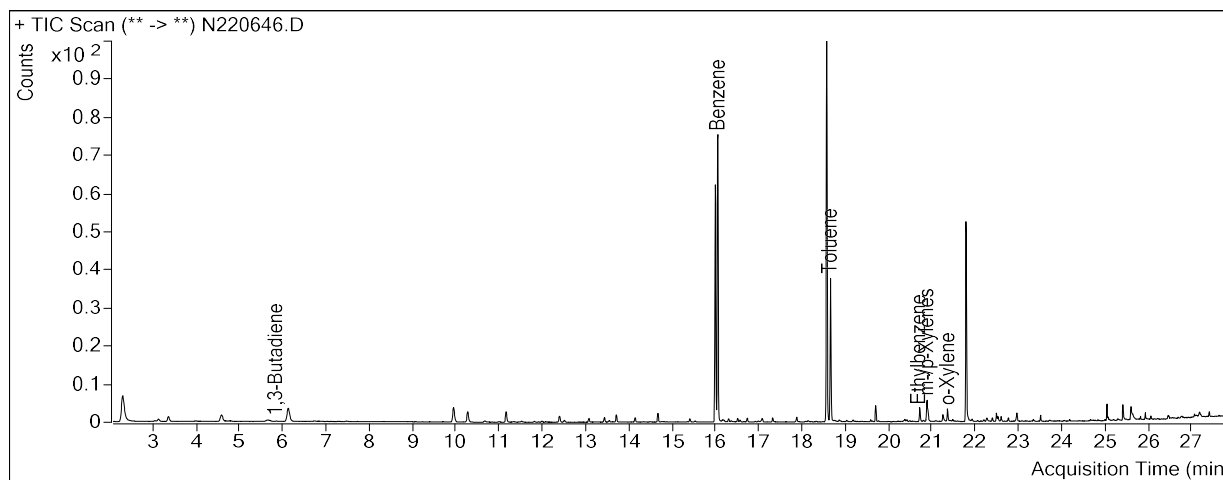
## m-/p-Xylenes



## o-Xylene



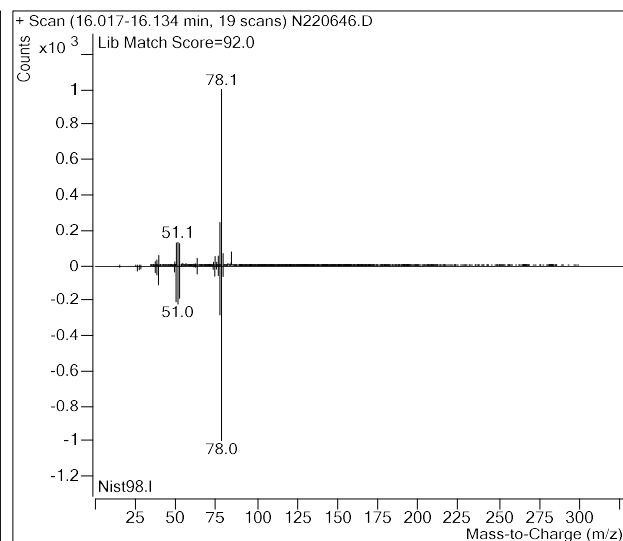
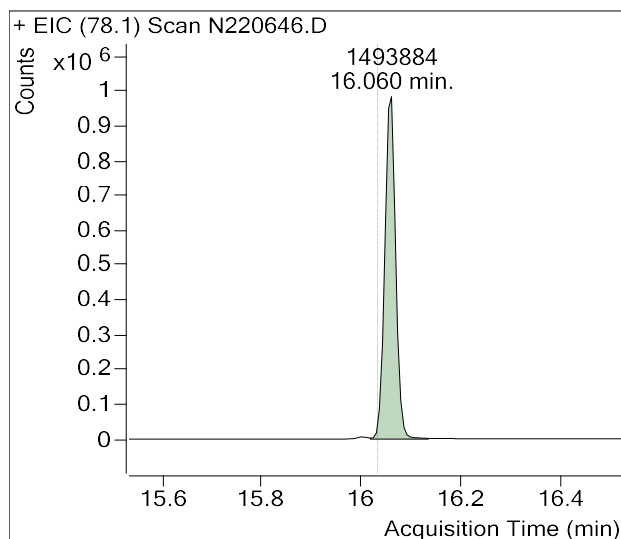
Sample Name : USSCL-PT12-S-20221025  
Sample Info : B50611  
Data File : N220646.D  
Acquisition Date : 2022-11-11 09:15:28  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR



Compound	Retention Time	Response	Flags
Benzene-d6 (IS)	15.97	1,294,770	
Benzene	16.03	1,493,884	
Toluene-d8 (IS)	18.55	1,549,036	
Toluene	18.64	664,557	
Ethylbenzene	20.70	69,711	
m-/p-Xylenes	20.89	113,861	
o-Xylene	21.32	46,543	

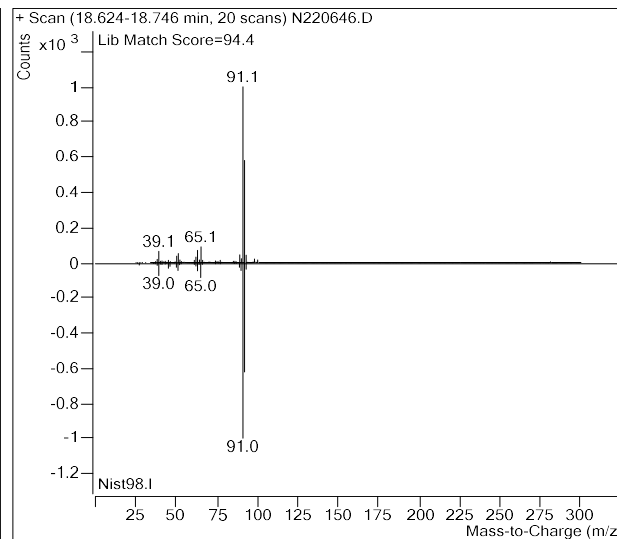
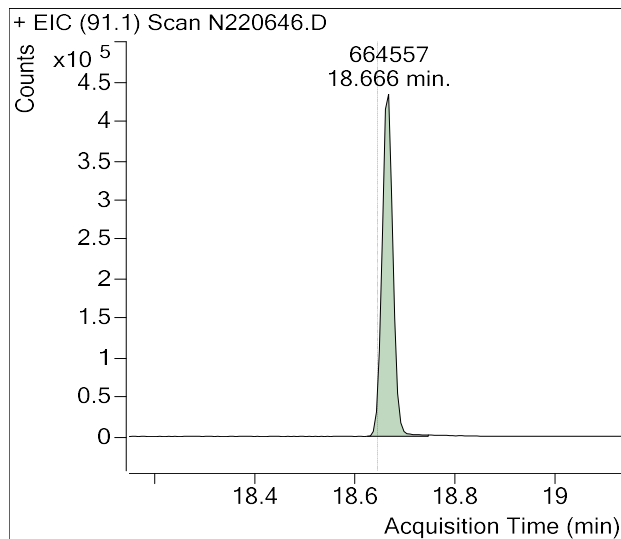
**(m)=Manual Integration**

Benzene

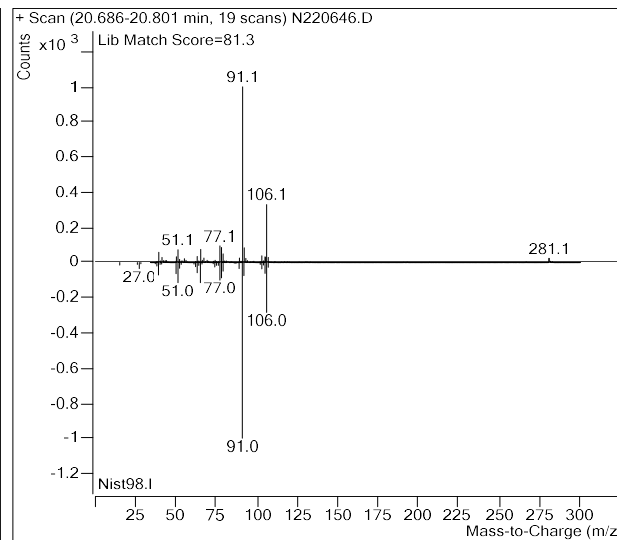
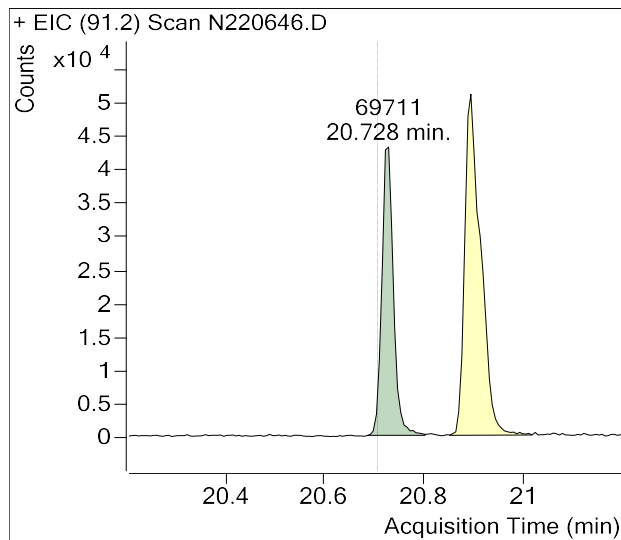


Sample Name : USSCL-PT12-S-20221025  
Sample Info : B50611  
Data File : N220646.D  
Acquisition Date : 2022-11-11 09:15:28  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR

## Toluene



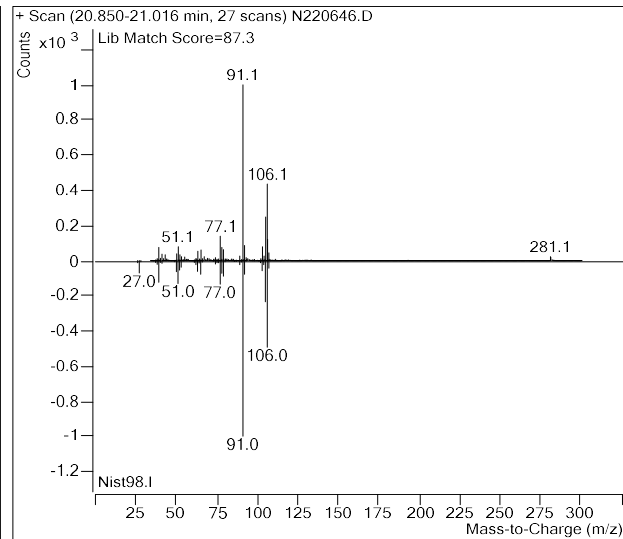
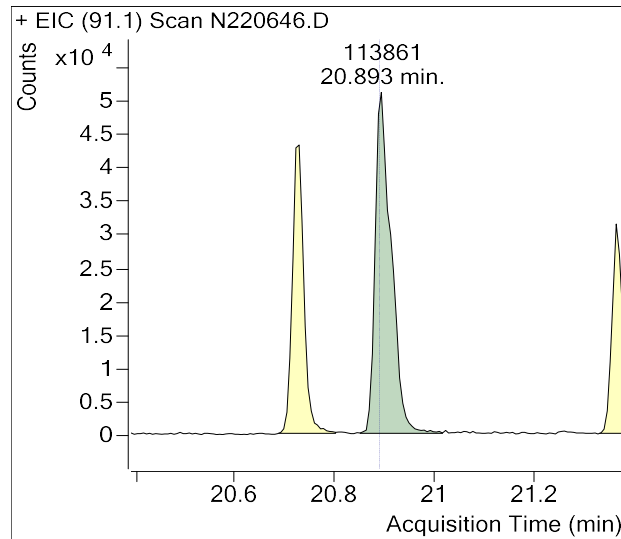
## Ethylbenzene



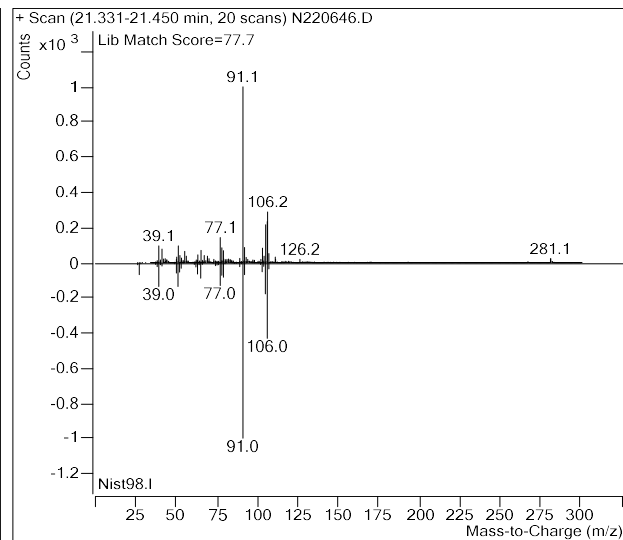
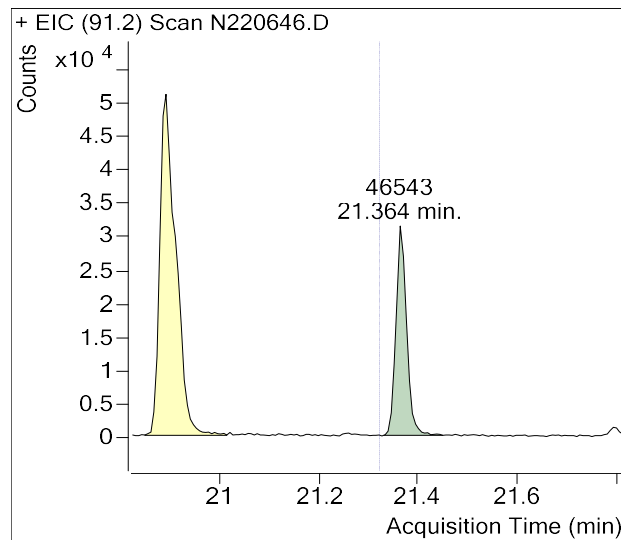


Sample Name : USSCL-PT12-S-20221025  
Sample Info : B50611  
Data File : N220646.D  
Acquisition Date : 2022-11-11 09:15:28  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR

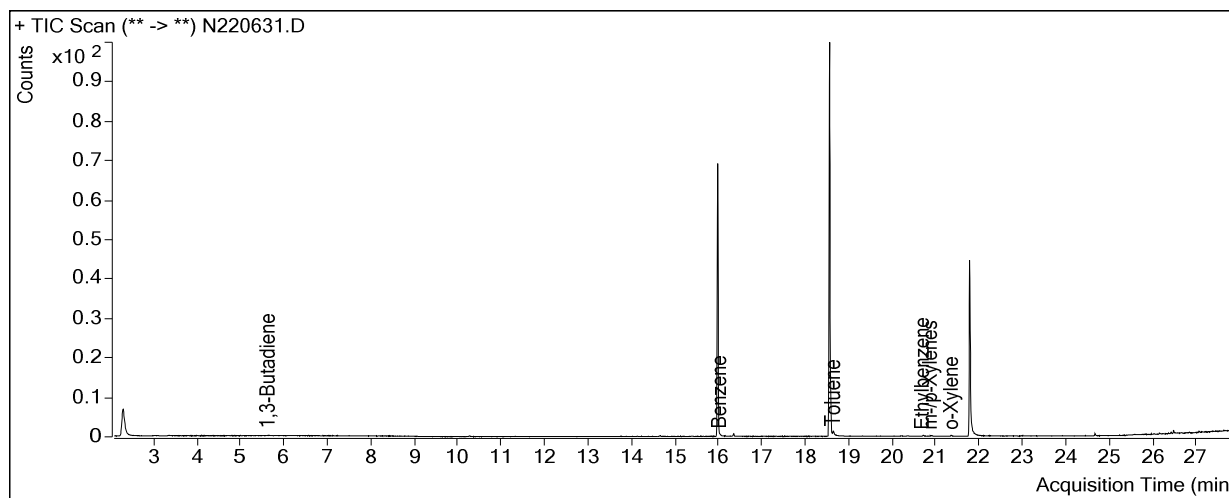
## m-/p-Xylenes



## o-Xylene



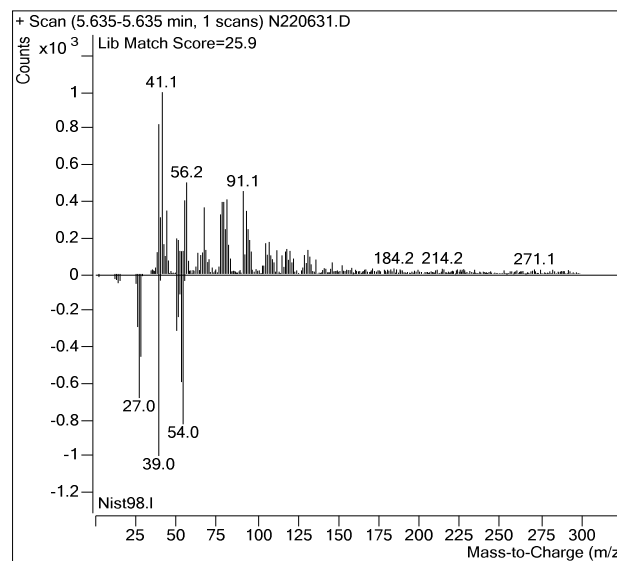
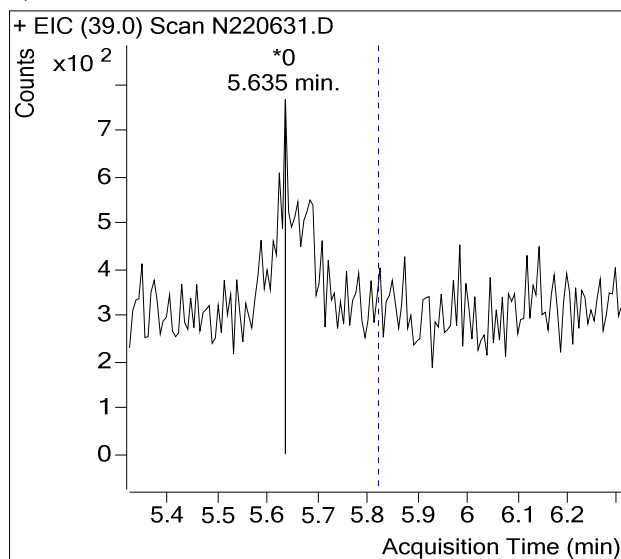
Sample Name : 2022EE102 Method Blank  
Sample Info : B34970  
Data File : N220631.D  
Acquisition Date : 2022-11-10 23:18:16  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR



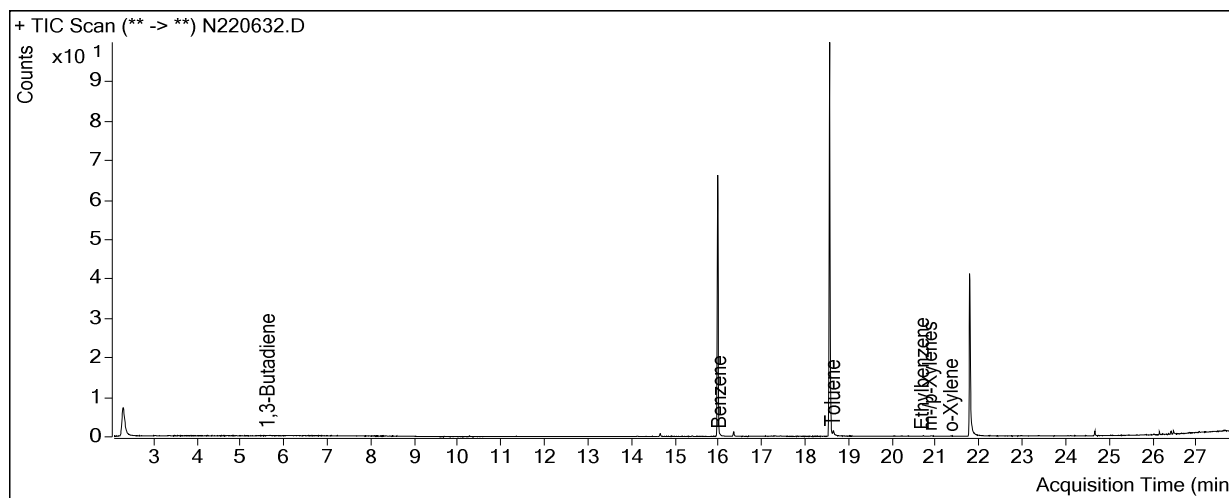
Compound	Retention Time	Response	Flags
1,3-Butadiene	5.82	0	m
benzene-d6 (IS)	15.97	1,288,304	

**(m)=Manual Integration**

1,3-Butadiene



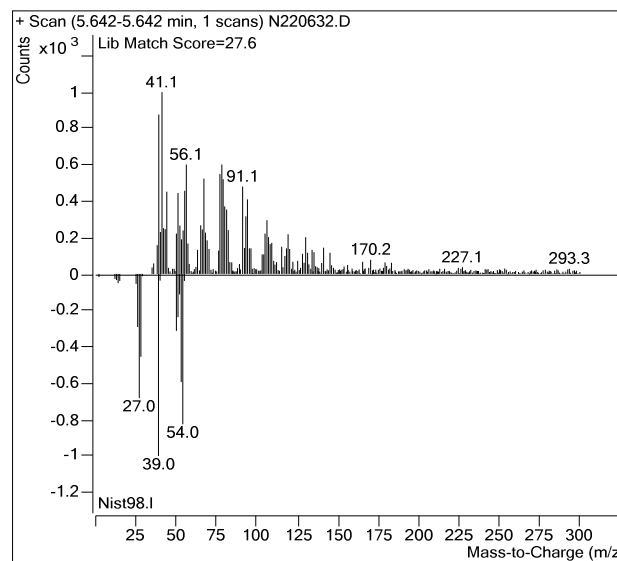
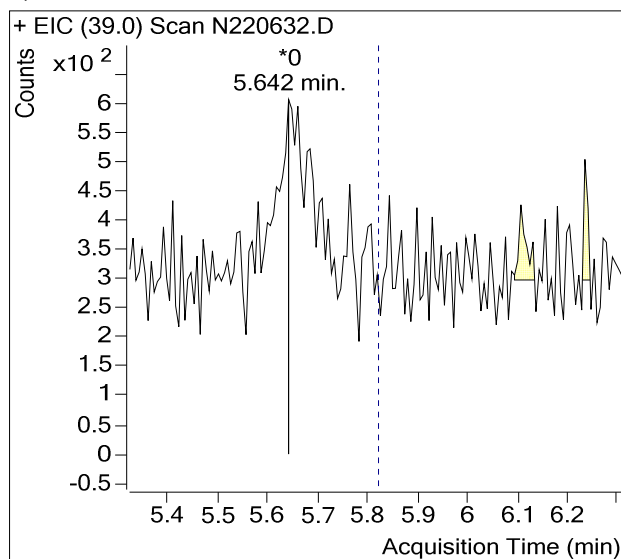
Sample Name : USSCL-PT10-B-20221025  
Sample Info : B20912  
Data File : N220632.D  
Acquisition Date : 2022-11-10 23:58:03  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR



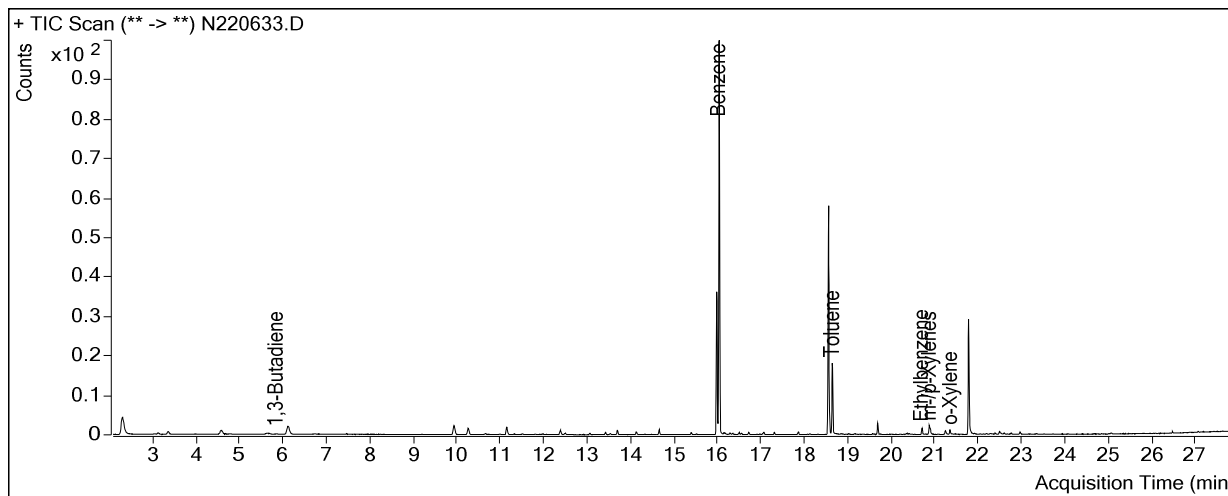
Compound	Retention Time	Response	Flags
1,3-Butadiene	5.82	0	m
benzene-d6 (IS)	15.97	1,279,650	

**(m)=Manual Integration**

1,3-Butadiene



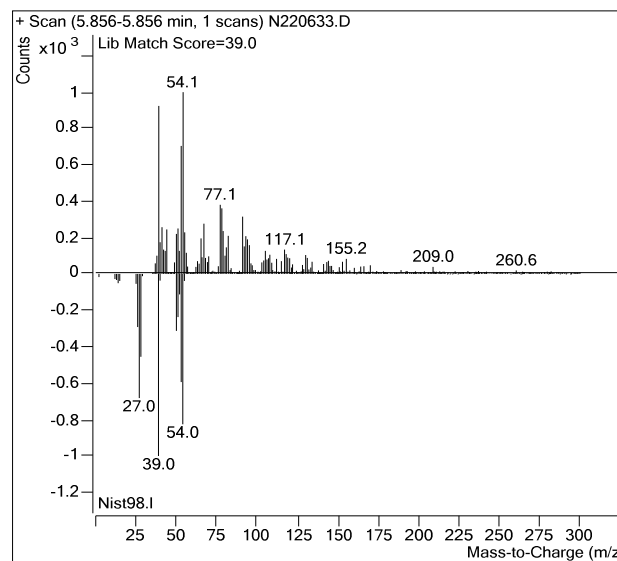
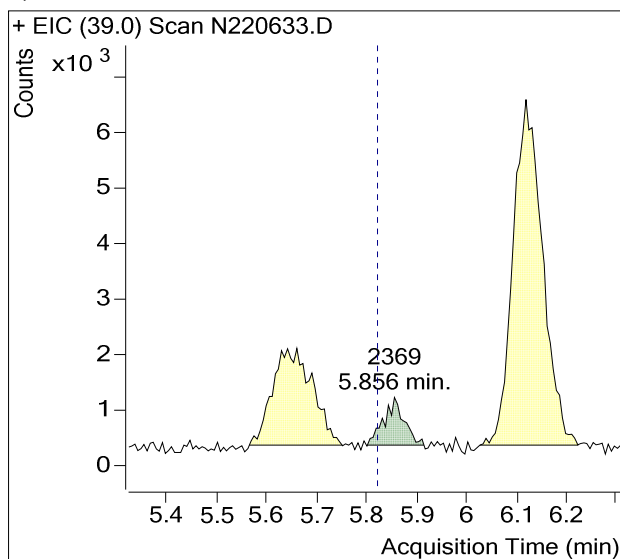
Sample Name : USSCL-PT01-S-20221025  
Sample Info : B34873  
Data File : N220633.D  
Acquisition Date : 2022-11-11 00:38:16  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR



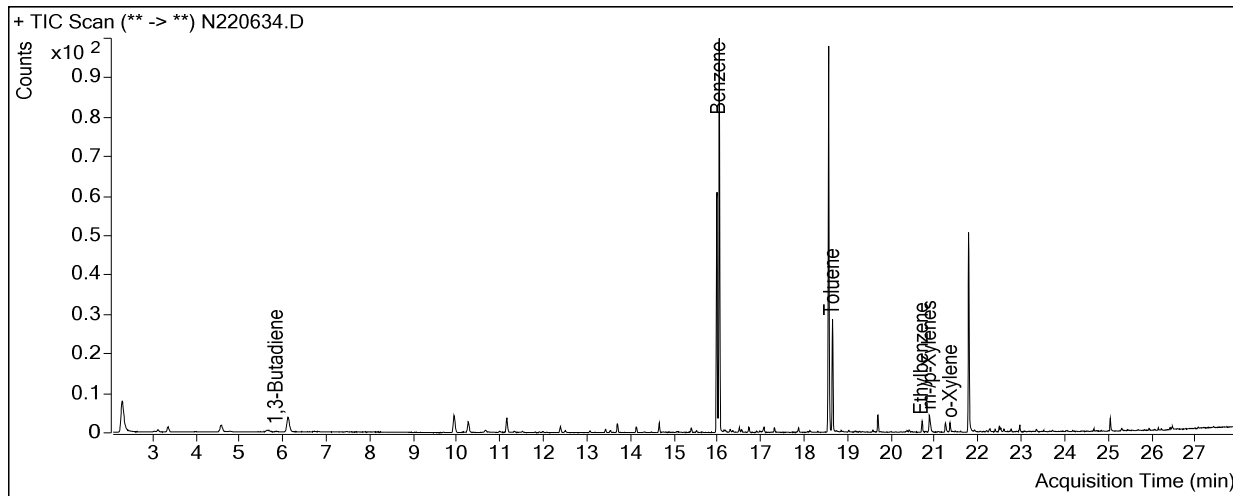
Compound	Retention Time	Response	Flags
1,3-Butadiene	5.82	2,369	
benzene-d6 (IS)	15.97	1,181,745	

**(m)=Manual Integration**

1,3-Butadiene



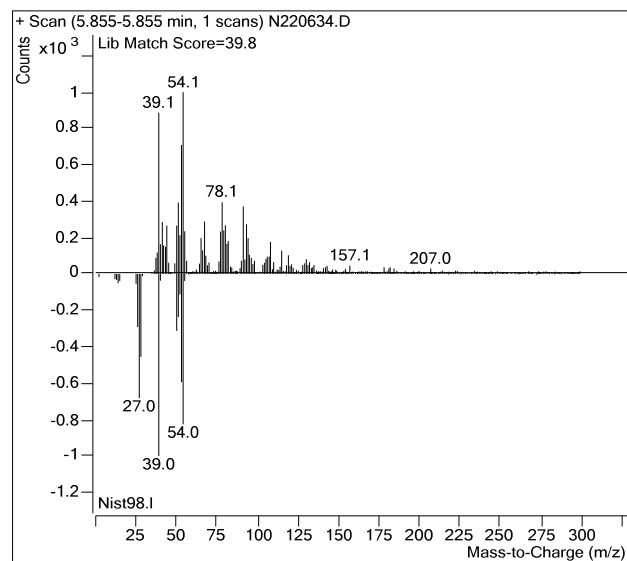
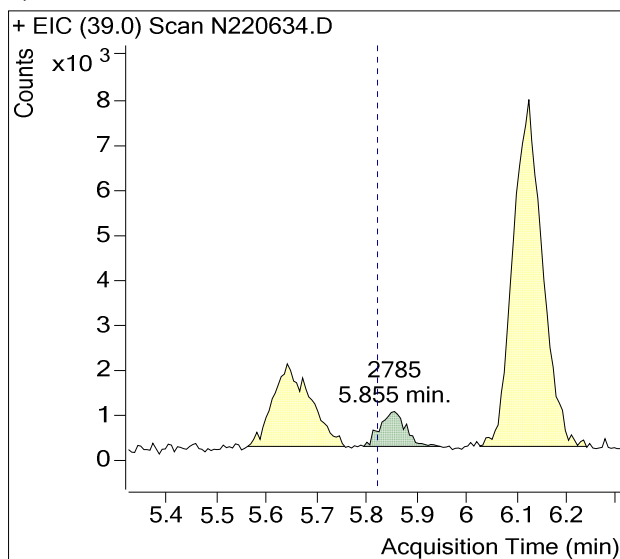
Sample Name : USSCL-PT02-S-20221025  
Sample Info : B27175  
Data File : N220634.D  
Acquisition Date : 2022-11-11 01:18:03  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR



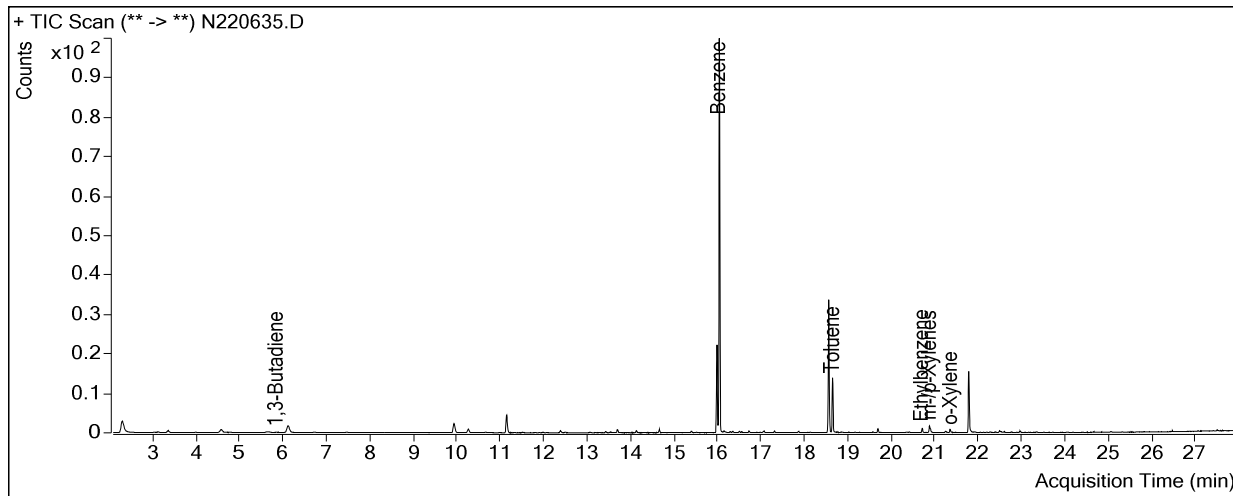
Compound	Retention Time	Response	Flags
1,3-Butadiene	5.82	2,785	
benzene-d6 (IS)	15.97	1,318,189	

**(m)=Manual Integration**

1,3-Butadiene



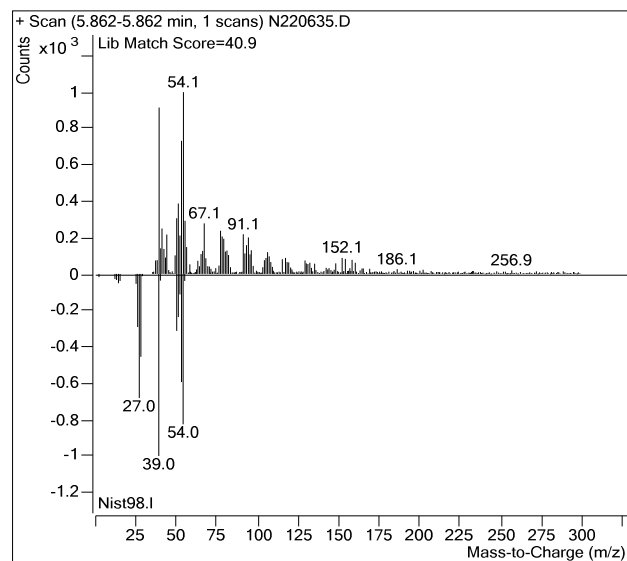
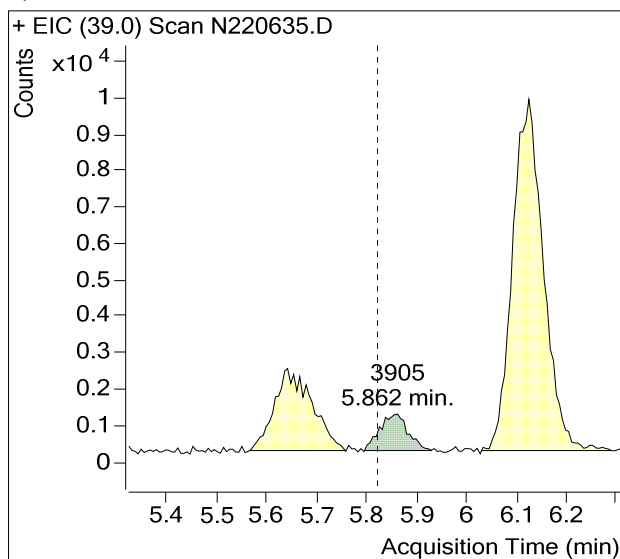
Sample Name : USSCL-PT03-S-20221025  
Sample Info : B34021  
Data File : N220635.D  
Acquisition Date : 2022-11-11 01:57:50  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR



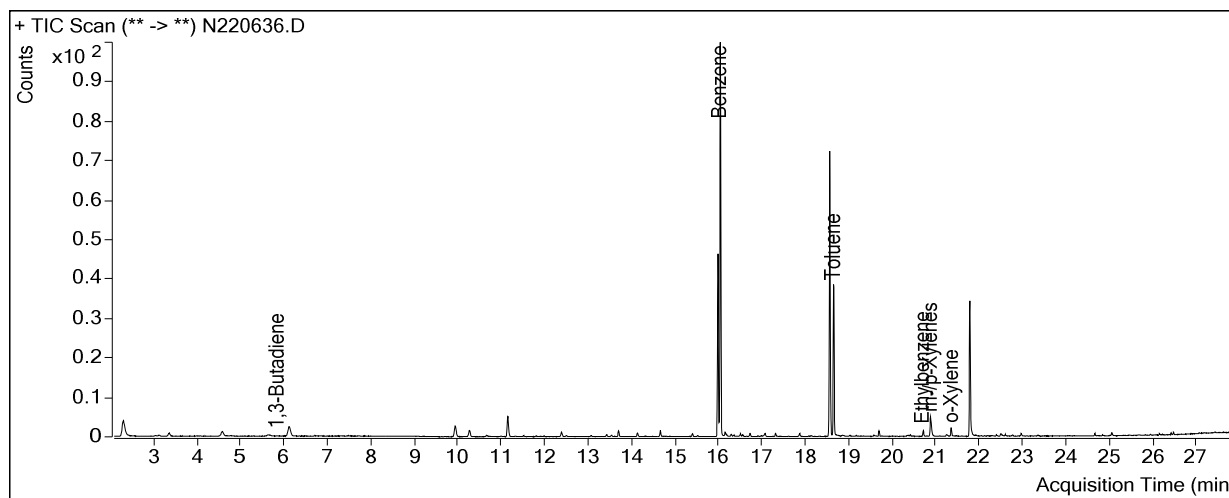
Compound	Retention Time	Response	Flags
1,3-Butadiene	5.82	3,905	
benzene-d6 (IS)	15.97	1,323,918	

**(m)=Manual Integration**

1,3-Butadiene



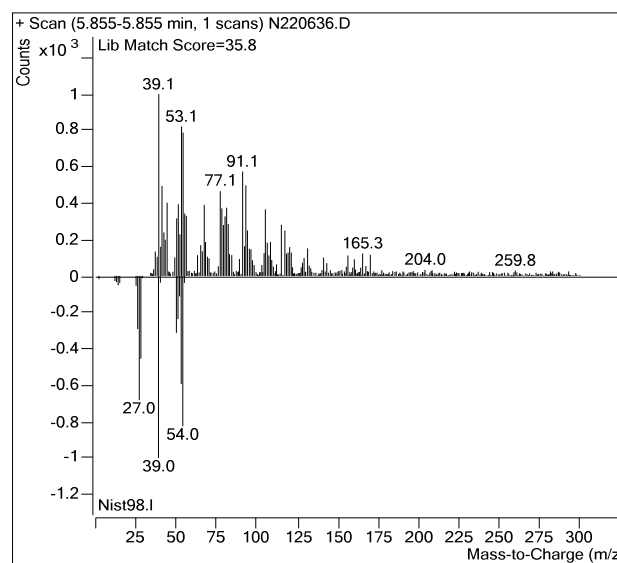
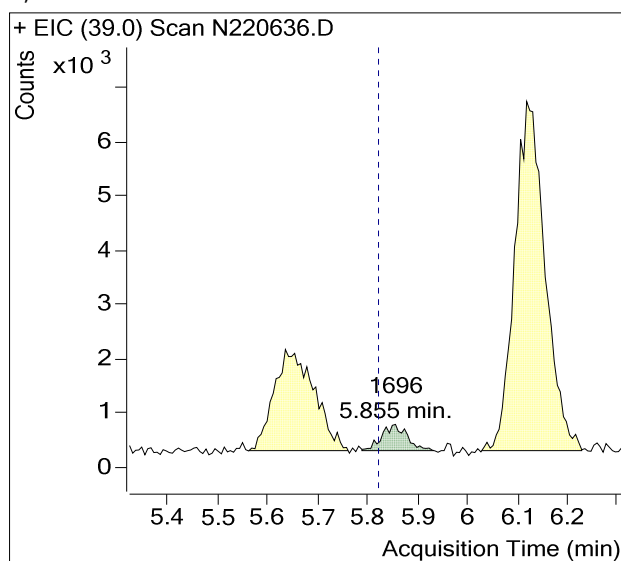
Sample Name : USSCL-PT04-S-20221025  
Sample Info : B14287  
Data File : N220636.D  
Acquisition Date : 2022-11-11 02:37:37  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR



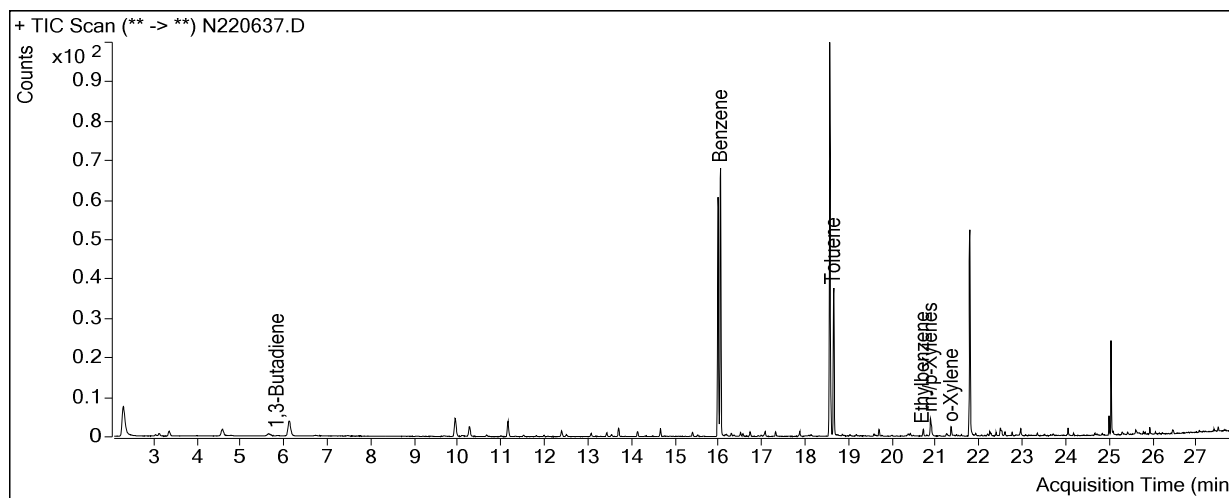
Compound	Retention Time	Response	Flags
1,3-Butadiene	5.82	1,696	
benzene-d6 (IS)	15.97	1,297,026	

**(m)=Manual Integration**

1,3-Butadiene



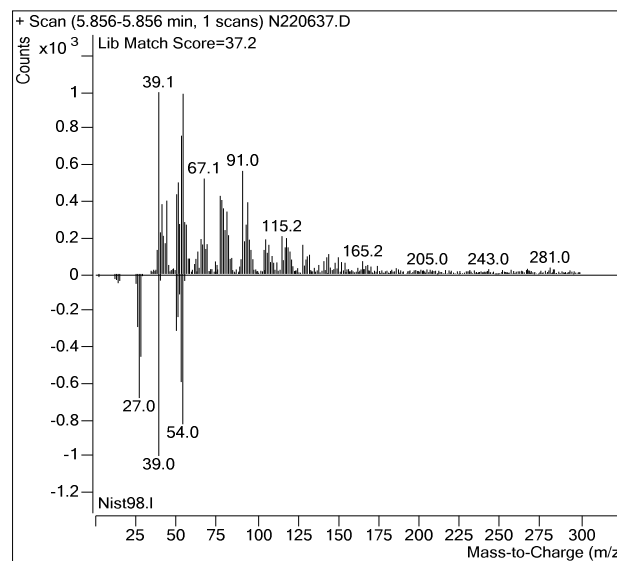
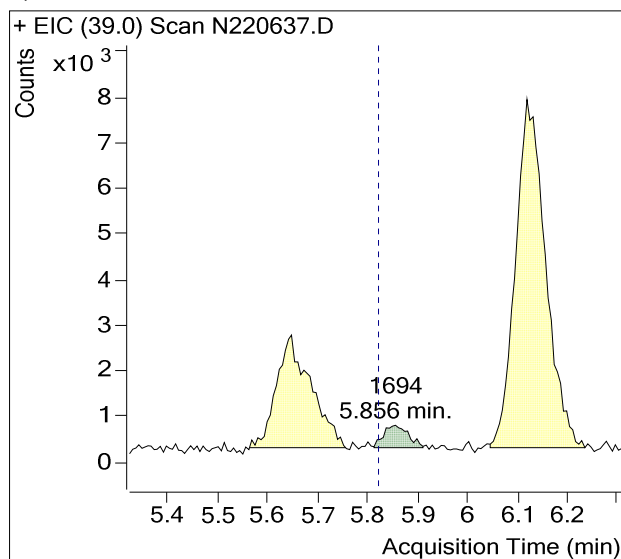
Sample Name : USSCL-PT05-S-20221025  
Sample Info : B27888  
Data File : N220637.D  
Acquisition Date : 2022-11-11 03:17:25  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR



Compound	Retention Time	Response	Flags
1,3-Butadiene	5.82	1,694	
benzene-d6 (IS)	15.97	1,295,115	

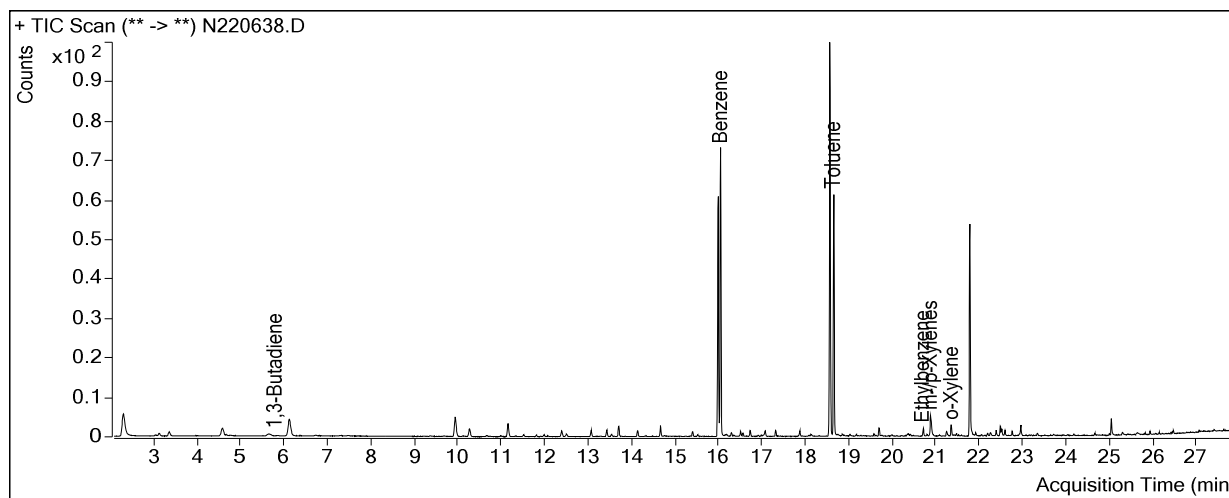
**(m)=Manual Integration**

1,3-Butadiene





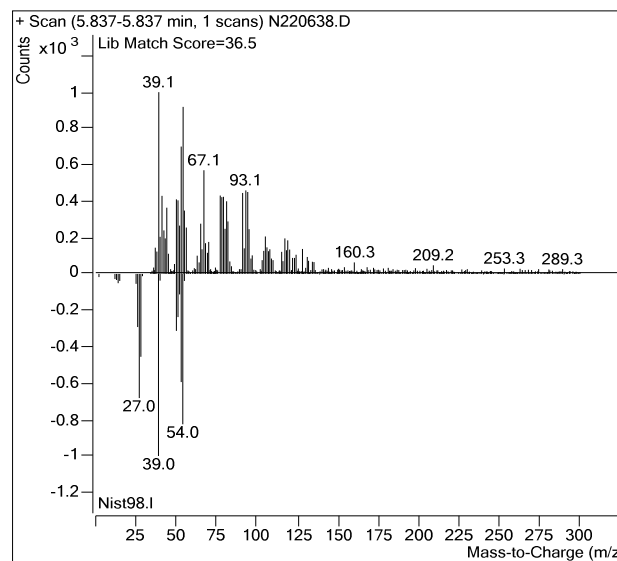
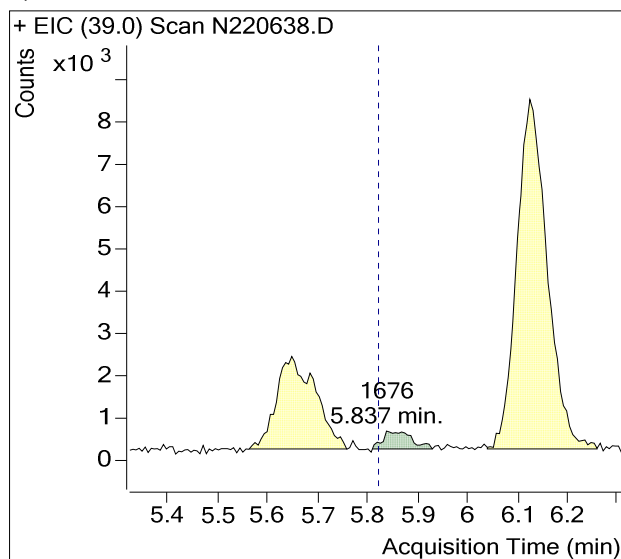
Sample Name : USSCL-PT06-S-20221025  
Sample Info : B15020  
Data File : N220638.D  
Acquisition Date : 2022-11-11 03:57:11  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR



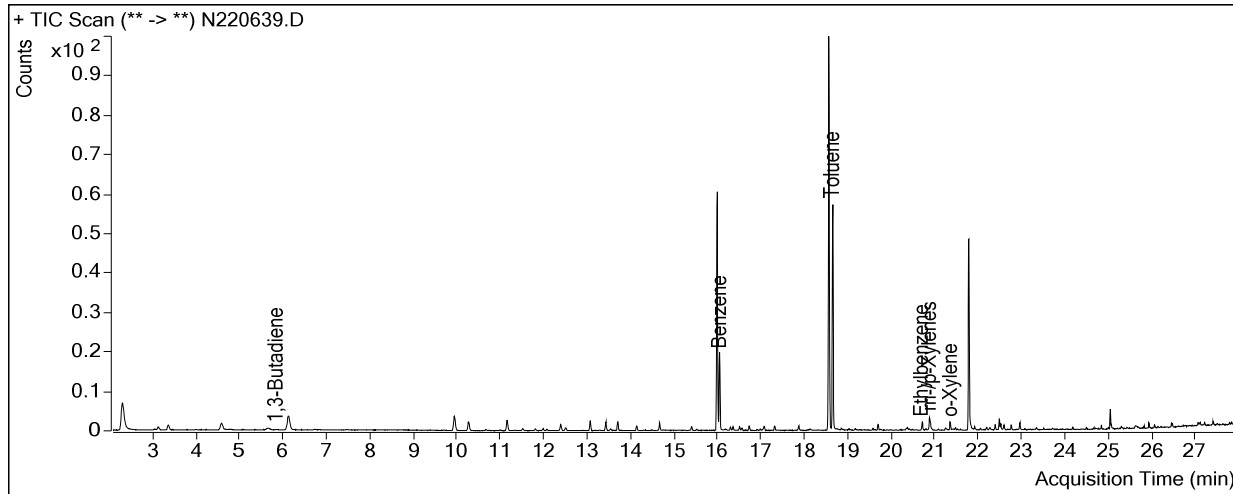
Compound	Retention Time	Response	Flags
1,3-Butadiene	5.82	1,676	
benzene-d6 (IS)	15.97	1,283,317	

**(m)=Manual Integration**

1,3-Butadiene



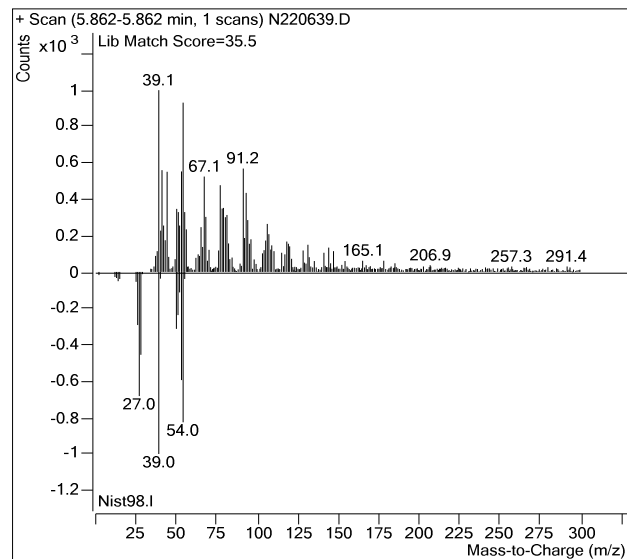
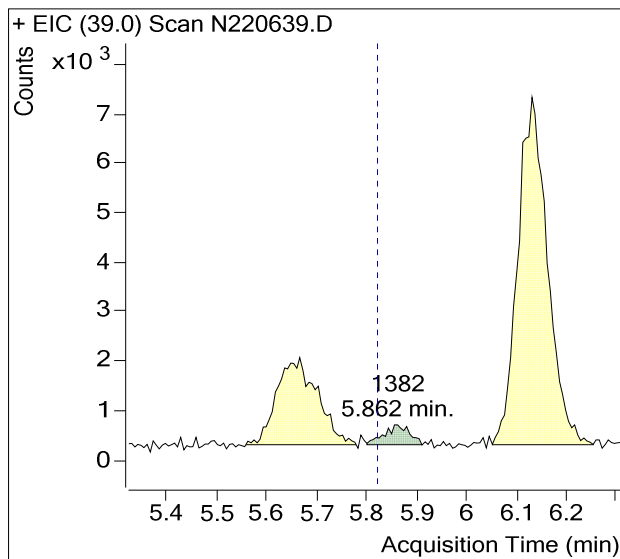
Sample Name : USSCL-PT07-S-20221025  
Sample Info : C01675  
Data File : N220639.D  
Acquisition Date : 2022-11-11 04:36:59  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR



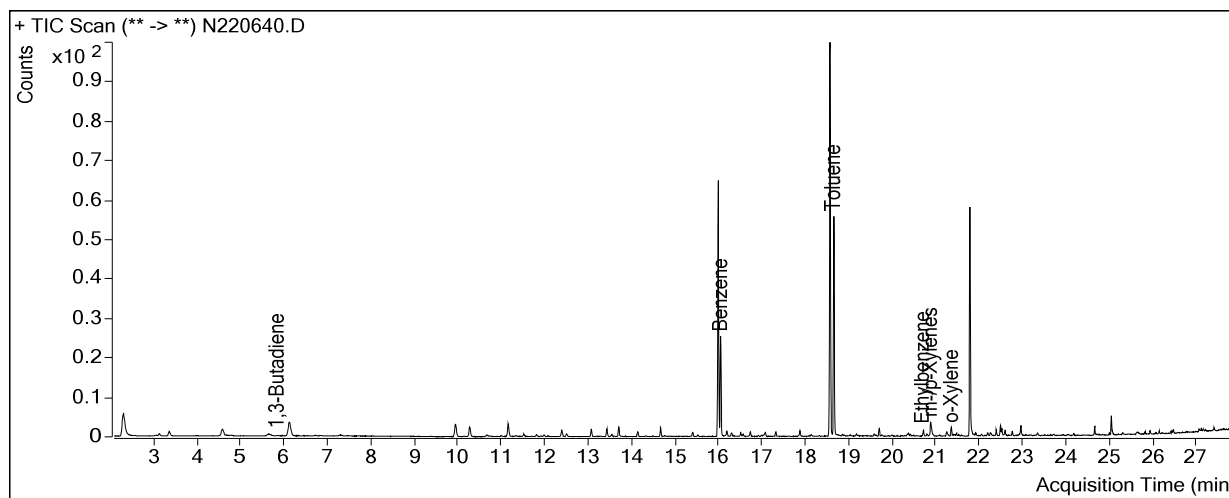
Compound	Retention Time	Response	Flags
1,3-Butadiene	5.82	1,382	
benzene-d6 (IS)	15.97	1,282,061	

**(m)=Manual Integration**

1,3-Butadiene



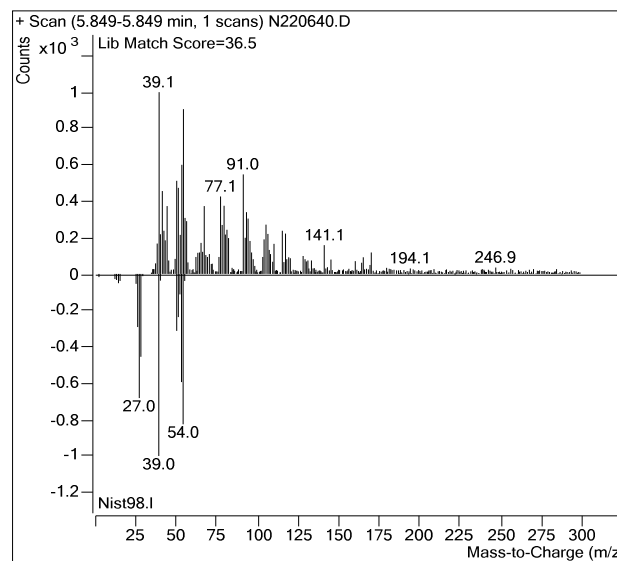
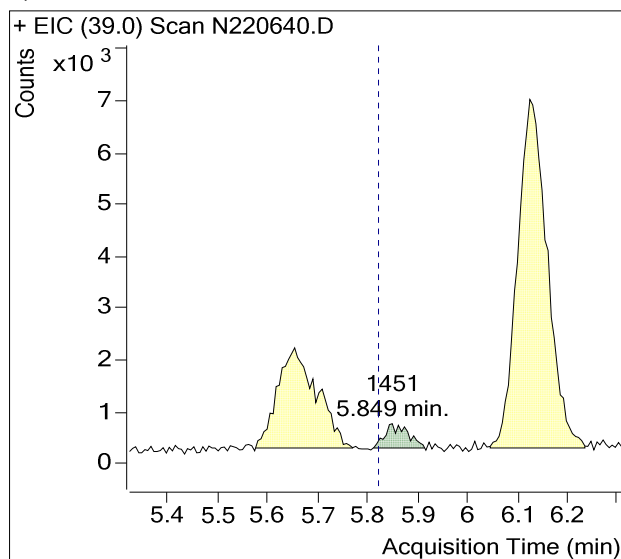
Sample Name : USSCL-PT08-S-20221025  
Sample Info : B10423  
Data File : N220640.D  
Acquisition Date : 2022-11-11 05:16:45  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR



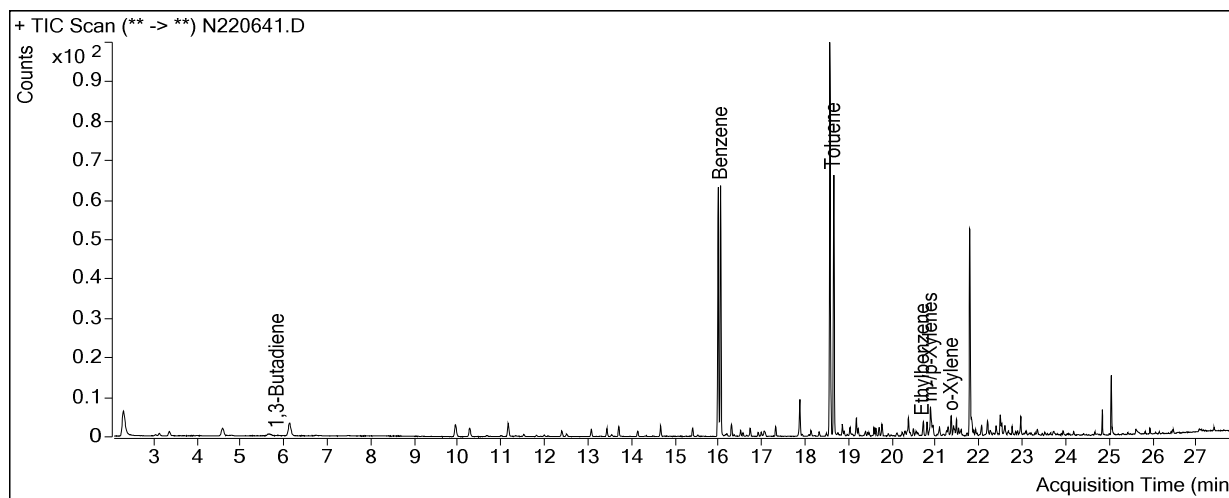
Compound	Retention Time	Response	Flags
1,3-Butadiene	5.82	1,451	
benzene-d6 (IS)	15.97	1,288,429	

**(m)=Manual Integration**

1,3-Butadiene



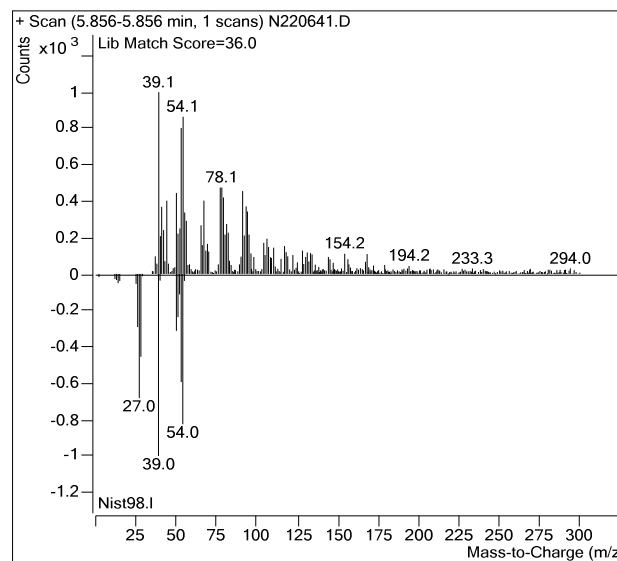
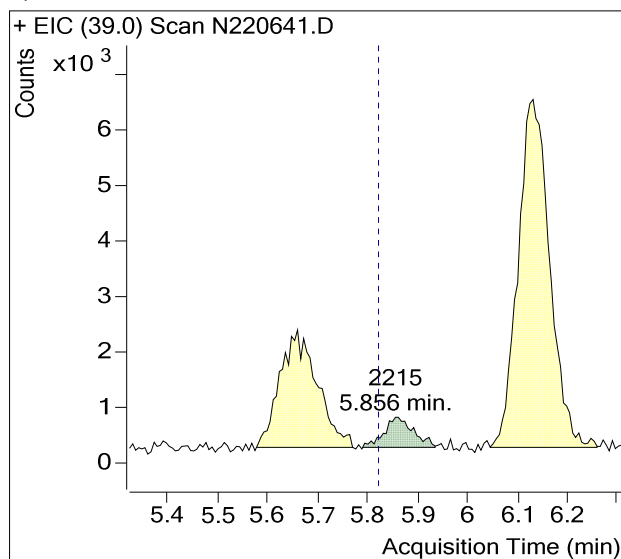
Sample Name : USSCL-PT09-S-20221025  
Sample Info : B15714  
Data File : N220641.D  
Acquisition Date : 2022-11-11 05:56:33  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR



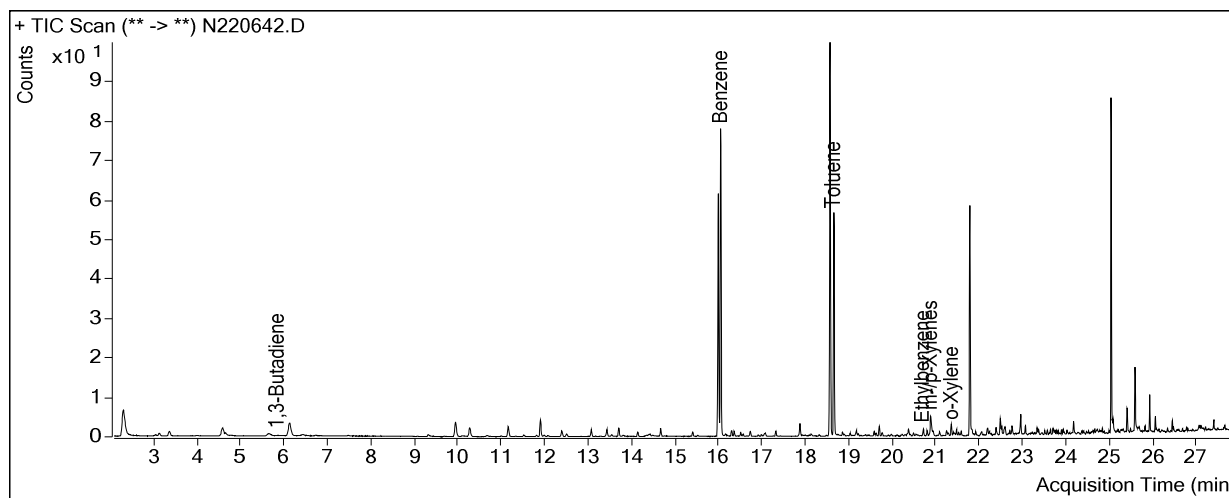
Compound	Retention Time	Response	Flags
1,3-Butadiene	5.82	2,215	
benzene-d6 (IS)	15.97	1,299,551	

**(m)=Manual Integration**

1,3-Butadiene



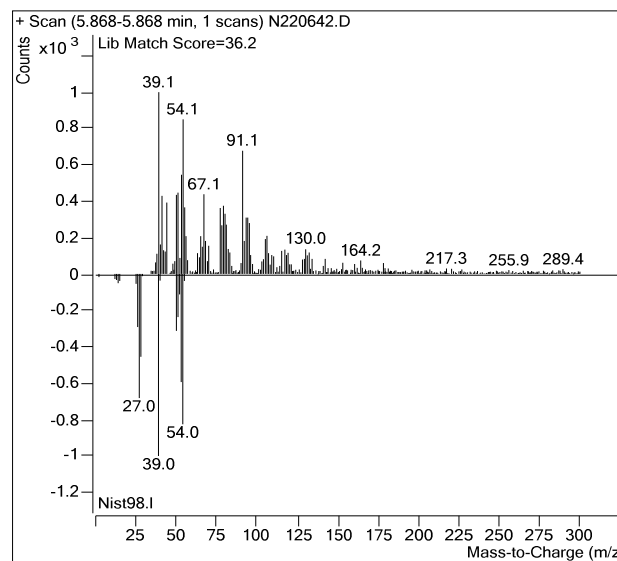
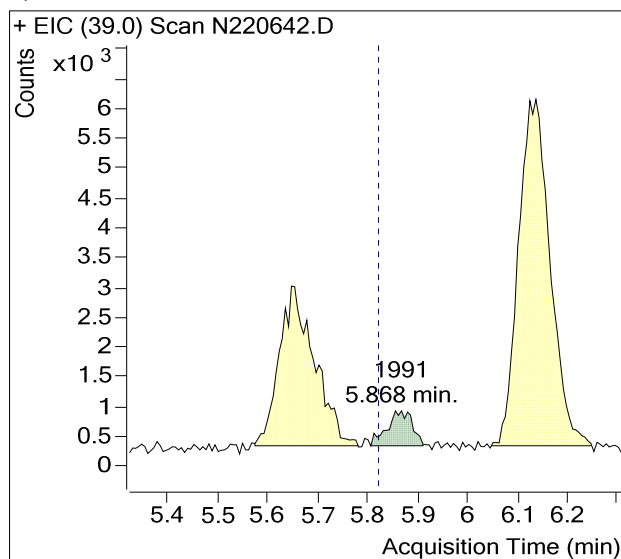
Sample Name : USSCL-PT10-S-20221025  
Sample Info : C20600  
Data File : N220642.D  
Acquisition Date : 2022-11-11 06:36:20  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR



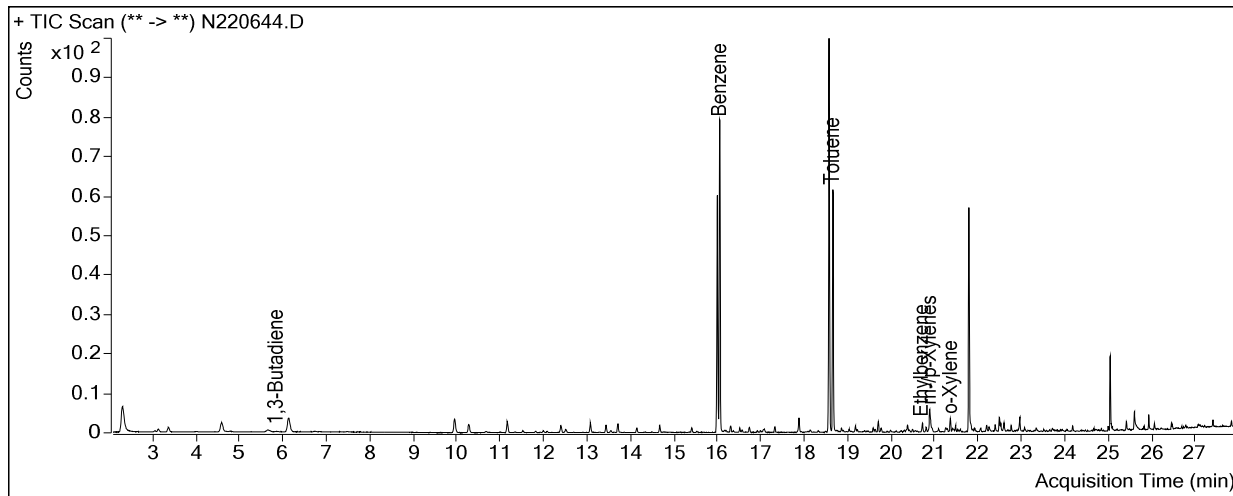
Compound	Retention Time	Response	Flags
1,3-Butadiene	5.82	1,991	
benzene-d6 (IS)	15.97	1,318,801	

**(m)=Manual Integration**

1,3-Butadiene



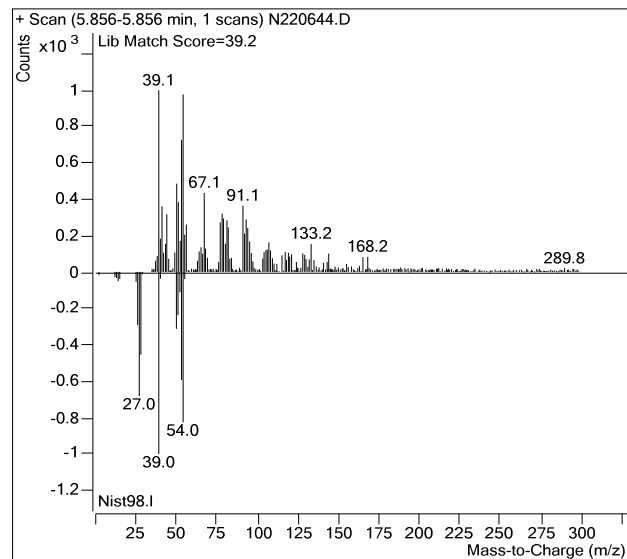
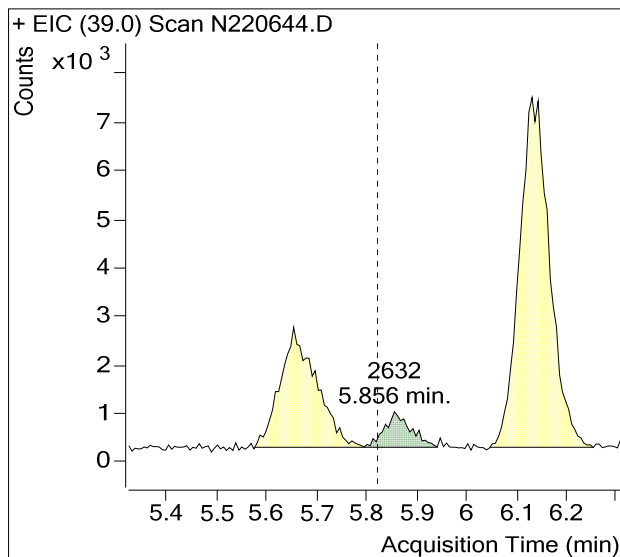
Sample Name : USSCL-PT10-D-20221025  
Sample Info : B52726  
Data File : N220644.D  
Acquisition Date : 2022-11-11 07:55:54  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR



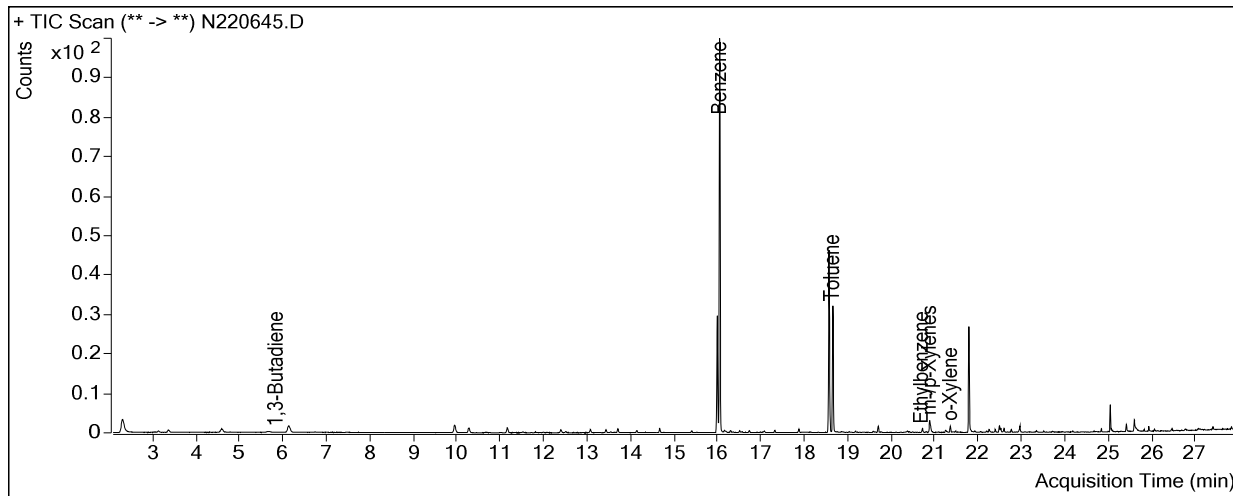
Compound	Retention Time	Response	Flags
1,3-Butadiene	5.82	2,632	
benzene-d6 (IS)	15.97	1,311,713	

**(m)=Manual Integration**

1,3-Butadiene



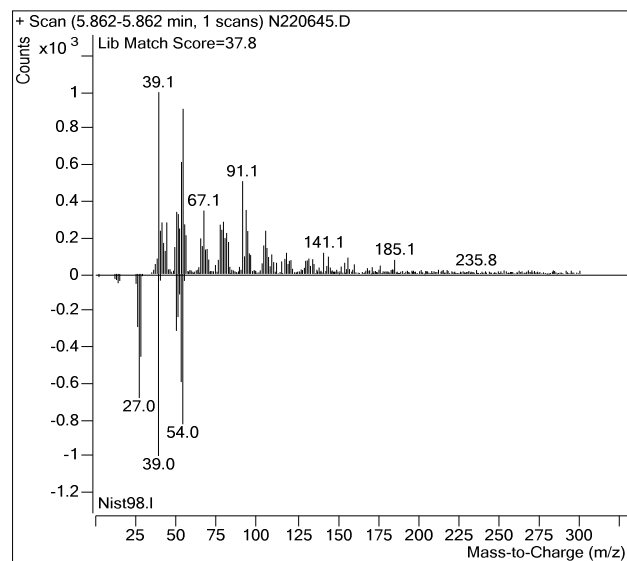
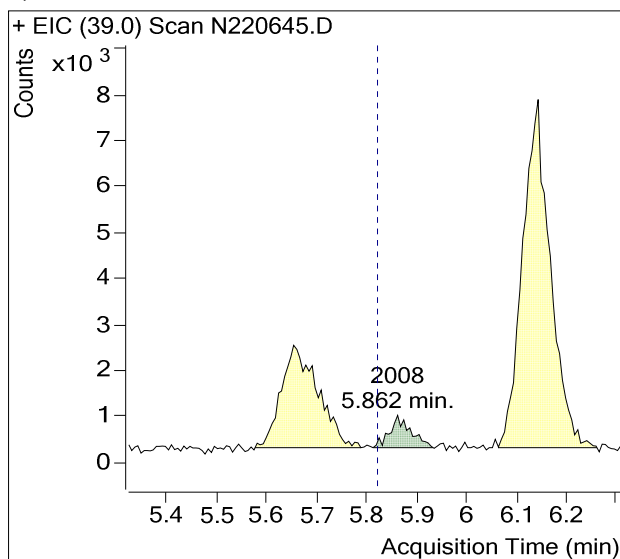
Sample Name : USSCL-PT11-S-20221025  
Sample Info : C00682  
Data File : N220645.D  
Acquisition Date : 2022-11-11 08:35:41  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR



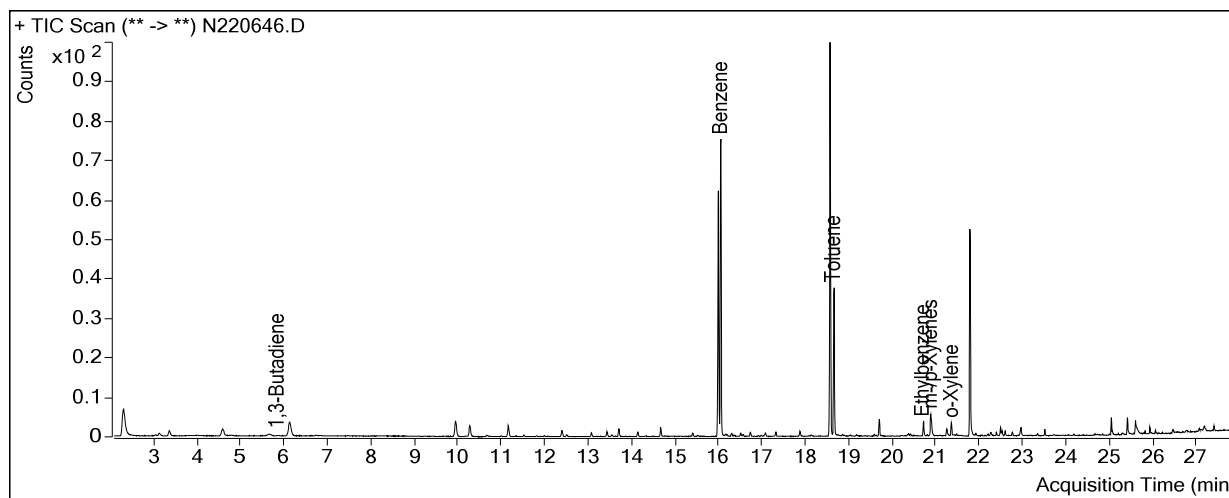
Compound	Retention Time	Response	Flags
1,3-Butadiene	5.82	2,008	
benzene-d6 (IS)	15.97	1,282,471	

**(m)=Manual Integration**

1,3-Butadiene



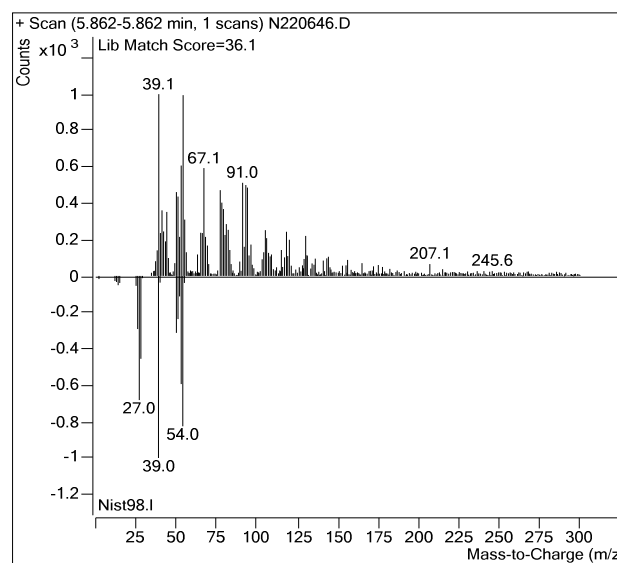
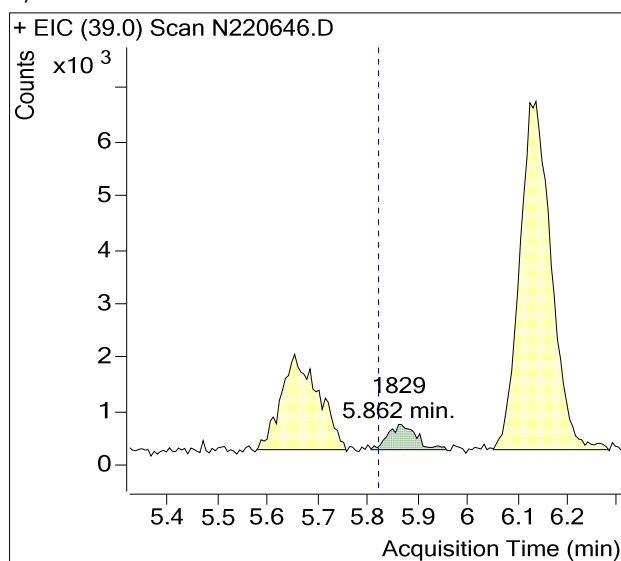
Sample Name : USSCL-PT12-S-20221025  
Sample Info : B50611  
Data File : N220646.D  
Acquisition Date : 2022-11-11 09:15:28  
Instrument Method : M325B-TD-CRYO9  
Matrix : AIR



Compound	Retention Time	Response	Flags
1,3-Butadiene	5.82	1,829	
benzene-d6 (IS)	15.97	1,294,770	

**(m)=Manual Integration**

1,3-Butadiene





# Calibration Summary Reports



## Enthalpy Analytical

Company: All4, Inc.

Job No.: 2022EE102-1 EPA Method 325B Analysis

Client No.: 00701-0002.00 Site: US Steel Corp - Clairton Works ICR

### 1,3-Butadiene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.259	0.256	0.259	1.0%	-13%		Pass	
2022EE102 Method Blank	Blank		0.256	0.259			-0.29%	Pass	ND
M325B CCV 5	Check	0.251	0.256	0.259	-2.0%		-1.4%	Pass	
M325B CCV 5	Check	0.248	0.256	0.259	-2.9%		-2.4%	Pass	

### Benzene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.096	1.088	1.096	0.73%	-13%		Pass	
2022EE102 Method Blank	Blank		1.088	1.096			-0.29%	Pass	ND
M325B CCV 5	Check	1.060	1.088	1.096	-2.6%		-1.4%	Pass	
M325B CCV 5	Check	1.066	1.088	1.096	-2.0%		-2.4%	Pass	

### Ethylbenzene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.512	1.679	1.512	-9.9%	-15%		Pass	
2022EE102 Method Blank	Blank		1.679	1.512			-2.4%	Pass	ND
M325B CCV 5	Check	1.441	1.679	1.512	-14%		2.3%	Pass	
M325B CCV 5	Check	1.547	1.679	1.512	-7.8%		0.36%	Pass	

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

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.023	1.316	1.023	-22%	-15%		Pass	
2022EE102 Method Blank	Blank		1.316	1.023			-2.4%	Pass	ND
M325B CCV 5	Check	1.000	1.316	1.023	-24%		2.3%	Pass	
M325B CCV 5	Check	1.094	1.316	1.023	-17%		0.36%	Pass	

## Enthalpy Analytical

Company: All4, Inc.

Job No.: 2022EE102-1 EPA Method 325B Analysis

Client No.: 00701-0002.00 Site: US Steel Corp - Clairton Works ICR

### o-Xylene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.140	1.457	1.140	-22%	-15%		Pass	
2022EE102 Method Blank	Blank		1.457	1.140			-2.4%	Pass	ND
M325B CCV 5	Check	1.117	1.457	1.140	-23%		2.3%	Pass	
M325B CCV 5	Check	1.189	1.457	1.140	-18%		0.36%	Pass	

### Toluene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.339	1.383	1.339	-3.2%	-15%		Pass	
2022EE102 Method Blank	Blank		1.383	1.339			-2.4%	Pass	ND
M325B CCV 5	Check	1.265	1.383	1.339	-8.5%		2.3%	Pass	
M325B CCV 5	Check	1.313	1.383	1.339	-5.0%		0.36%	Pass	

## Enthalpy Analytical

Company: All4, Inc.

Job No.: 2022EE102-1 EPA Method 325B Analysis

Client No.: 00701-0002.00 Site: US Steel Corp - Clairton Works ICR

### Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
N102122A_BUT_BTEX.quantmethod.xml	1,3-Butadiene	1	N2203392.D	5.31	20988	91.9	1381543	0.263	2.8%
N102122A_BUT_BTEX.quantmethod.xml	1,3-Butadiene	2	N2203393.D	10.62	41754	91.9	1426696	0.253	-0.98%
N102122A_BUT_BTEX.quantmethod.xml	1,3-Butadiene	3	N2203394.D	21.24	84005	91.9	1439160	0.253	-1.3%
N102122A_BUT_BTEX.quantmethod.xml	1,3-Butadiene	4	N2203395.D	42.47	174416	91.9	1694081	0.223	-13%
N102122A_BUT_BTEX.quantmethod.xml	1,3-Butadiene	5	N2203396.D	106.18	448983	91.9	1485517	0.262	2.3%
N102122A_BUT_BTEX.quantmethod.xml	1,3-Butadiene	6	N2203397.D	212.37	893774	91.9	1475750	0.262	2.5%
N102122A_BUT_BTEX.quantmethod.xml	1,3-Butadiene	7	N2203398.D	637.10	2844892	91.9	1490590	0.275	7.6%
						Avg:	1484762	0.256	
						%RSD:	6.7%	6.4%	
N102122A_BUT_BTEX.quantmethod.xml	Benzene	1	N2203392.D	5.32	85519	91.9	1381543	1.070	-1.6%
N102122A_BUT_BTEX.quantmethod.xml	Benzene	2	N2203393.D	10.64	170813	91.9	1426696	1.035	-4.9%
N102122A_BUT_BTEX.quantmethod.xml	Benzene	3	N2203394.D	21.27	336670	91.9	1439160	1.011	-7.1%
N102122A_BUT_BTEX.quantmethod.xml	Benzene	4	N2203395.D	42.54	810400	91.9	1694081	1.034	-5.0%
N102122A_BUT_BTEX.quantmethod.xml	Benzene	5	N2203396.D	106.36	1798118	91.9	1485517	1.046	-3.8%
N102122A_BUT_BTEX.quantmethod.xml	Benzene	6	N2203397.D	212.71	3925293	91.9	1475750	1.150	5.7%
N102122A_BUT_BTEX.quantmethod.xml	Benzene	7	N2203398.D	638.13	13142539	91.9	1490590	1.270	17%
						Avg:	1484762	1.088	
						%RSD:	6.7%	8.5%	

## Enthalpy Analytical

Company: All4, Inc.

Job No.: 2022EE102-1 EPA Method 325B Analysis

Client No.: 00701-0002.00 Site: US Steel Corp - Clairton Works ICR

### Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
N102122A_BUT_BTEX.quantmethod.xml	Ethylbenzene	1	N2203392.D	5.47	137256	106.9	1643571	1.633	-2.7%
N102122A_BUT_BTEX.quantmethod.xml	Ethylbenzene	2	N2203393.D	10.93	309501	106.9	1702131	1.777	5.9%
N102122A_BUT_BTEX.quantmethod.xml	Ethylbenzene	3	N2203394.D	21.87	640671	106.9	1721371	1.819	8.4%
N102122A_BUT_BTEX.quantmethod.xml	Ethylbenzene	4	N2203395.D	43.73	1591379	106.9	2097737	1.854	10%
N102122A_BUT_BTEX.quantmethod.xml	Ethylbenzene	5	N2203396.D	109.33	2783786	106.9	1782933	1.526	-9.1%
N102122A_BUT_BTEX.quantmethod.xml	Ethylbenzene	6	N2203397.D	218.65	6103223	106.9	1782250	1.674	-0.29%
N102122A_BUT_BTEX.quantmethod.xml	Ethylbenzene	7	N2203398.D	655.96	16269664	106.9	1806234	1.467	-13%
						Avg:	1790890	1.679	
						%RSD:	8.2%	8.8%	
N102122A_BUT_BTEX.quantmethod.xml	m-/p-Xylenes	1	N2203392.D	5.50	104265	106.9	1643571	1.232	-6.3%
N102122A_BUT_BTEX.quantmethod.xml	m-/p-Xylenes	2	N2203393.D	11.00	237512	106.9	1702131	1.355	3.0%
N102122A_BUT_BTEX.quantmethod.xml	m-/p-Xylenes	3	N2203394.D	22.00	499560	106.9	1721371	1.409	7.1%
N102122A_BUT_BTEX.quantmethod.xml	m-/p-Xylenes	4	N2203395.D	44.01	1180384	106.9	2097737	1.366	3.9%
N102122A_BUT_BTEX.quantmethod.xml	m-/p-Xylenes	5	N2203396.D	110.02	2071161	106.9	1782933	1.128	-14%
N102122A_BUT_BTEX.quantmethod.xml	m-/p-Xylenes	6	N2203397.D	220.03	4510335	106.9	1782250	1.229	-6.6%
N102122A_BUT_BTEX.quantmethod.xml	m-/p-Xylenes	7	N2203398.D	660.10	16598506	106.9	1806234	1.488	13%
						Avg:	1790890	1.316	
						%RSD:	8.2%	9.4%	

## Enthalpy Analytical

Company: All4, Inc.

Job No.: 2022EE102-1 EPA Method 325B Analysis

Client No.: 00701-0002.00 Site: US Steel Corp - Clairton Works ICR

### Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
N102122A_BUT_BTEX.quantmethod.xml	o-Xylene	1	N2203392.D	5.53	115891	106.9	1643571	1.362	-6.5%
N102122A_BUT_BTEX.quantmethod.xml	o-Xylene	2	N2203393.D	11.07	273067	106.9	1702131	1.549	6.3%
N102122A_BUT_BTEX.quantmethod.xml	o-Xylene	3	N2203394.D	22.13	576300	106.9	1721371	1.617	11%
N102122A_BUT_BTEX.quantmethod.xml	o-Xylene	4	N2203395.D	44.26	1404641	106.9	2097737	1.617	11%
N102122A_BUT_BTEX.quantmethod.xml	o-Xylene	5	N2203396.D	110.65	2334527	106.9	1782933	1.265	-13%
N102122A_BUT_BTEX.quantmethod.xml	o-Xylene	6	N2203397.D	221.30	5316523	106.9	1782250	1.440	-1.1%
N102122A_BUT_BTEX.quantmethod.xml	o-Xylene	7	N2203398.D	663.91	15133544	106.9	1806234	1.349	-7.4%
						Avg:	1790890	1.457	
						%RSD:	8.2%	9.6%	
N102122A_BUT_BTEX.quantmethod.xml	Toluene	1	N2203392.D	5.52	124081	106.9	1643571	1.461	5.6%
N102122A_BUT_BTEX.quantmethod.xml	Toluene	2	N2203393.D	11.04	244558	106.9	1702131	1.390	0.53%
N102122A_BUT_BTEX.quantmethod.xml	Toluene	3	N2203394.D	22.09	484206	106.9	1721371	1.361	-1.6%
N102122A_BUT_BTEX.quantmethod.xml	Toluene	4	N2203395.D	44.18	1195886	106.9	2097737	1.379	-0.28%
N102122A_BUT_BTEX.quantmethod.xml	Toluene	5	N2203396.D	110.45	2396009	106.9	1782933	1.300	-6.0%
N102122A_BUT_BTEX.quantmethod.xml	Toluene	6	N2203397.D	220.90	5257729	106.9	1782250	1.427	3.2%
N102122A_BUT_BTEX.quantmethod.xml	Toluene	7	N2203398.D	662.69	15253920	106.9	1806234	1.362	-1.5%
						Avg:	1790890	1.383	
						%RSD:	8.2%	3.7%	

## Enthalpy Analytical

Company: All4, Inc.

Job No.: 2022EE102-1 EPA Method 325B Analysis

Client No.: 00701-0002.00 Site: US Steel Corp - Clairton Works ICR

### Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
N102122A_BUT_BTEX.quantmethod.xml	1,3-Butadiene	ICV	N2203399.D	106.17	448455	91.9	1492171	0.260	1.7%
N102122A_BUT_BTEX.quantmethod.xml	Benzene	ICV	N2203399.D	100.86	1685784	91.9	1492171	1.030	-5.3%
N102122A_BUT_BTEX.quantmethod.xml	Ethylbenzene	ICV	N2203399.D	97.53	2278660	106.9	1828746	1.365	-19%
N102122A_BUT_BTEX.quantmethod.xml	m-/p-Xylenes	ICV	N2203399.D	97.70	1699731	106.9	1828746	1.017	-23%
N102122A_BUT_BTEX.quantmethod.xml	o-Xylene	ICV	N2203399.D	98.60	1865276	106.9	1828746	1.106	-24%
N102122A_BUT_BTEX.quantmethod.xml	Toluene	ICV	N2203399.D	100.73	2108360	106.9	1828746	1.223	-12%

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