

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU092921\  
 Data File : VU045005.D  
 Acq On : 29 Sep 2021 20:00  
 Operator : SY/MD  
 Sample : M3926-02DL 20X  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EP-1-MW-2-0921DL

Quant Time: Sep 30 04:33:56 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U092821W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 28 12:32:13 2021  
 Response via : Initial Calibration

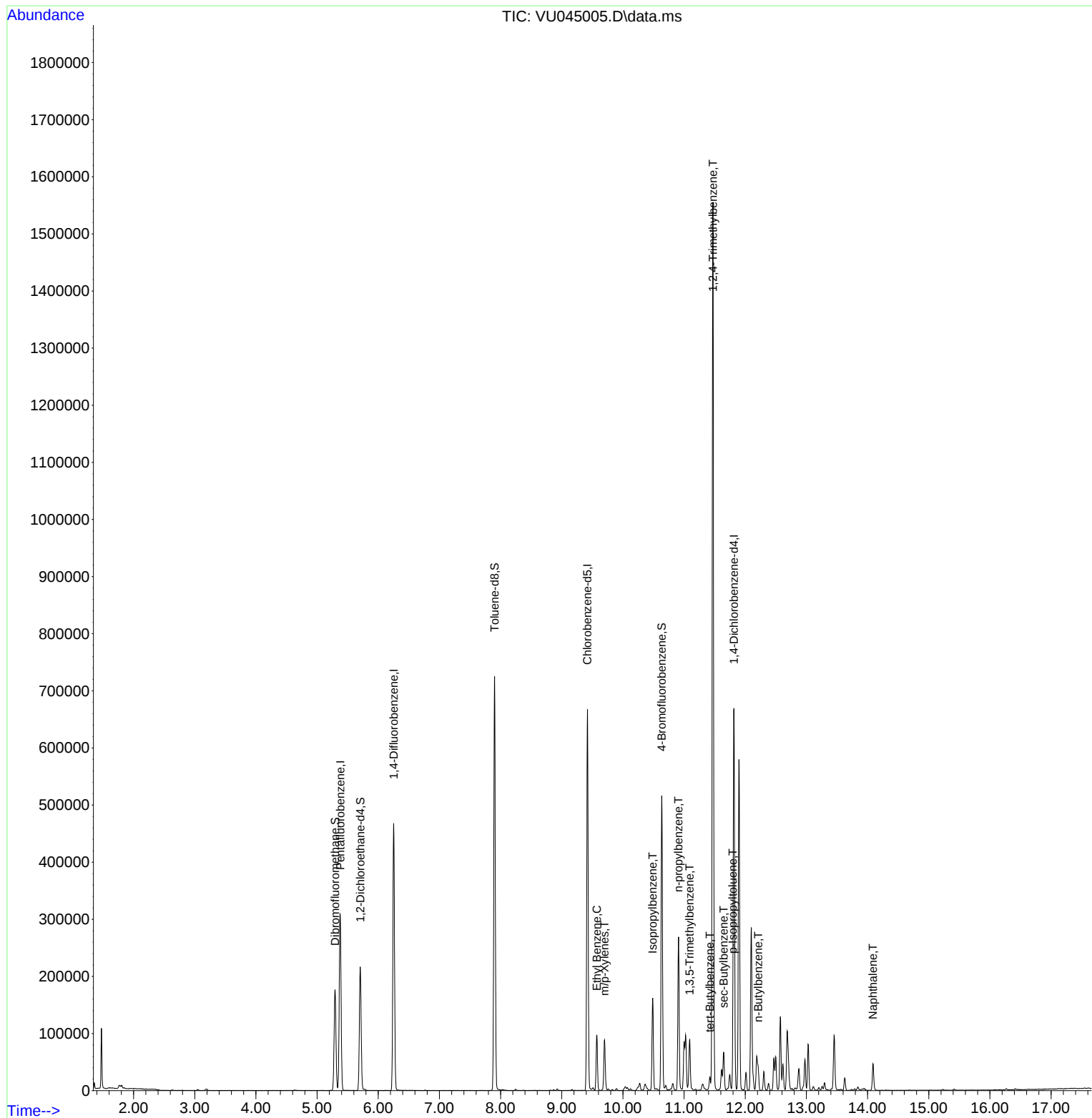
| Compound                    | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|---------|--------|----------|
| -----                       |                |      |            |         |        |          |
| Internal Standards          |                |      |            |         |        |          |
| 1) Pentafluorobenzene       | 5.379          | 168  | 204716     | 50.00   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.253          | 114  | 364347     | 50.00   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 9.420          | 117  | 342944     | 50.00   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.816         | 152  | 162382     | 50.00   | ug/l   | 0.00     |
|                             |                |      |            |         |        |          |
| System Monitoring Compounds |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.707          | 65   | 161758     | 47.47   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 78 - 117 |      | Recovery = | 94.94%  |        |          |
| 35) Dibromofluoromethane    | 5.295          | 113  | 112617     | 49.00   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = | 98.00%  |        |          |
| 50) Toluene-d8              | 7.903          | 98   | 460298     | 50.69   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 92 - 112 |      | Recovery = | 101.38% |        |          |
| 62) 4-Bromofluorobenzene    | 10.636         | 95   | 168756     | 45.01   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 83 - 123 |      | Recovery = | 90.02%  |        |          |
|                             |                |      |            |         |        |          |
| Target Compounds            |                |      |            |         |        | Qvalue   |
| 67) Ethyl Benzene           | 9.575          | 91   | 66220      | 5.00    | ug/l   | 100      |
| 68) m/p-Xylenes             | 9.700          | 106  | 22541      | 4.39    | ug/l   | 100      |
| 73) Isopropylbenzene        | 10.488         | 105  | 102924     | 8.51    | ug/l   | 100      |
| 78) n-propylbenzene         | 10.909         | 91   | 203660     | 13.82   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene  | 11.092         | 105  | 47669      | 4.50    | ug/l   | 99       |
| 83) tert-Butylbenzene       | 11.423         | 119  | 8476       | 0.82    | ug/l   | 87       |
| 84) 1,2,4-Trimethylbenzene  | 11.472         | 105  | 828482     | 79.05   | ug/l   | 99       |
| 85) sec-Butylbenzene        | 11.648         | 105  | 44038      | 3.32    | ug/l   | 98       |
| 86) p-Isopropyltoluene      | 11.796         | 119  | 10760      | 1.01    | ug/l   | 94       |
| 89) n-Butylbenzene          | 12.211         | 91   | 23366      | 2.38    | ug/l # | 69       |
| 95) Naphthalene             | 14.089         | 128  | 36399      | 3.04    | ug/l   | 99       |
| -----                       |                |      |            |         |        |          |

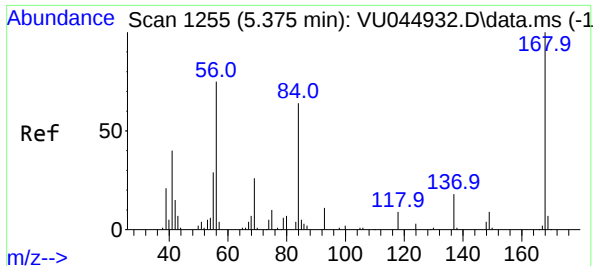
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU092921\  
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Sample : M3926-02DL 20X  
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ALS Vial : 22 Sample Multiplier: 1

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ClientSampleId :  
EP-1-MW-2-0921DL

Quant Time: Sep 30 04:33:56 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U092821W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 28 12:32:13 2021  
Response via : Initial Calibration

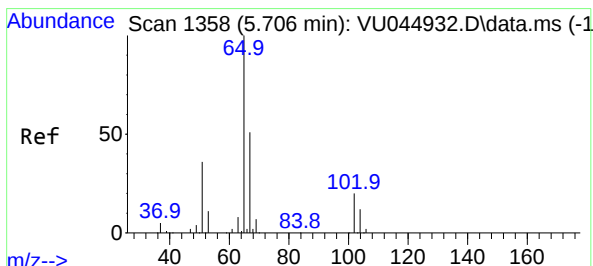
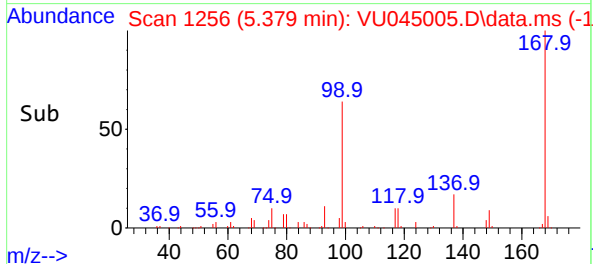
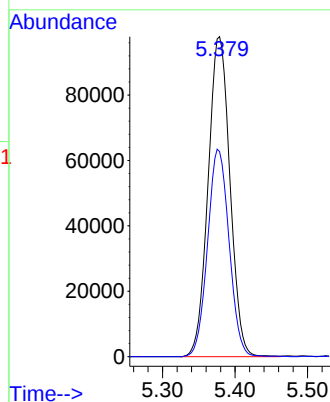
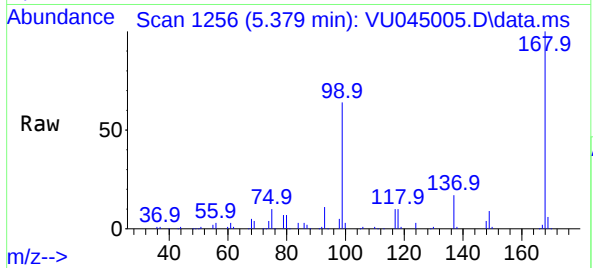




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.379 min Scan# 1256  
Delta R.T. 0.004 min  
Lab File: VU045005.D  
Acq: 29 Sep 2021 20:00

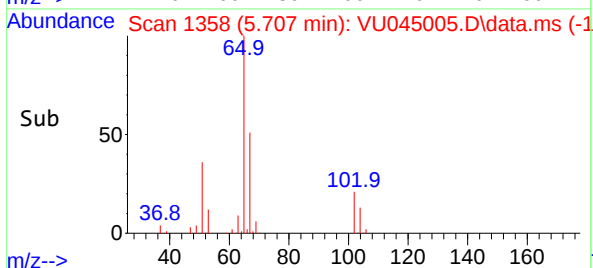
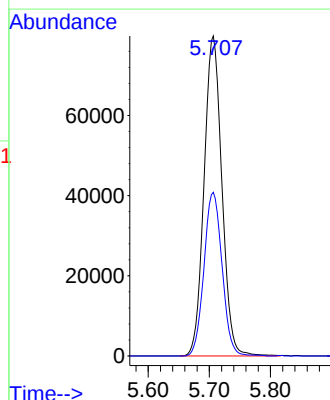
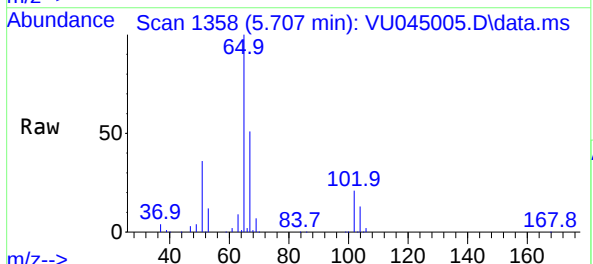
Instrument :  
MSVOA\_U  
ClientSampleId :  
EP-1-MW-2-0921DL

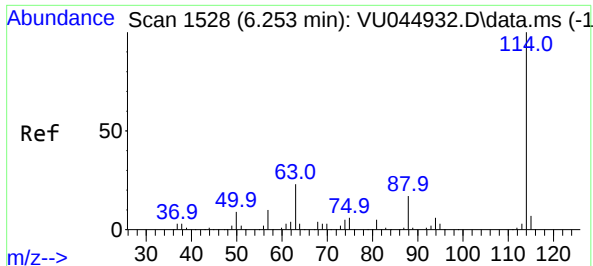
Tgt Ion:168 Resp: 204716  
Ion Ratio Lower Upper  
168 100  
99 64.1 51.4 77.0



#33  
1,2-Dichloroethane-d4  
Concen: 47.47 ug/l  
RT: 5.707 min Scan# 1358  
Delta R.T. 0.000 min  
Lab File: VU045005.D  
Acq: 29 Sep 2021 20:00

Tgt Ion: 65 Resp: 161758  
Ion Ratio Lower Upper  
65 100  
67 51.8 0.0 104.8

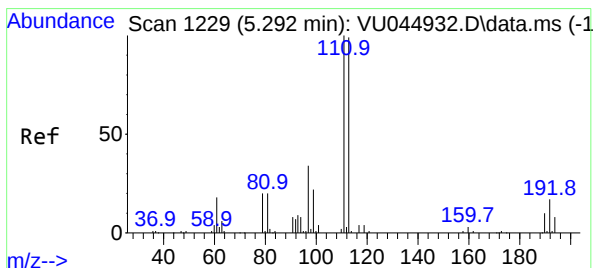
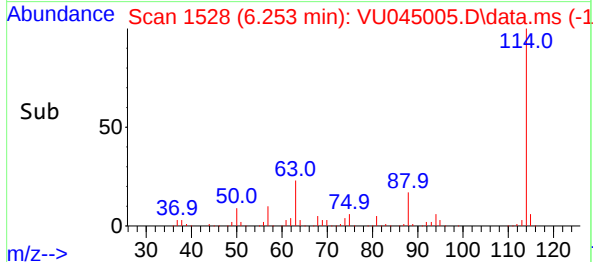
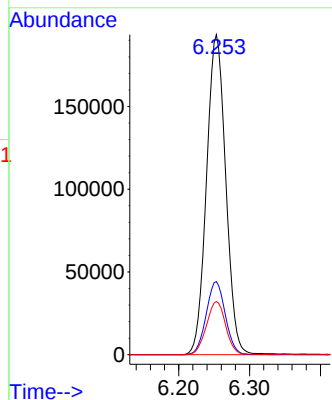
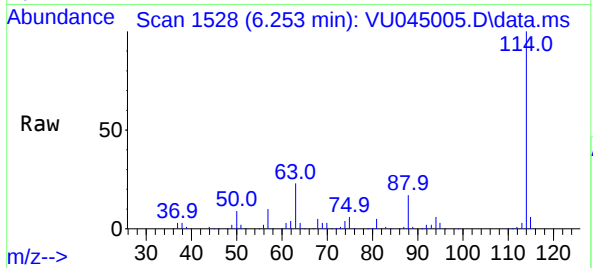




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.253 min Scan# 1528  
Delta R.T. 0.000 min  
Lab File: VU045005.D  
Acq: 29 Sep 2021 20:00

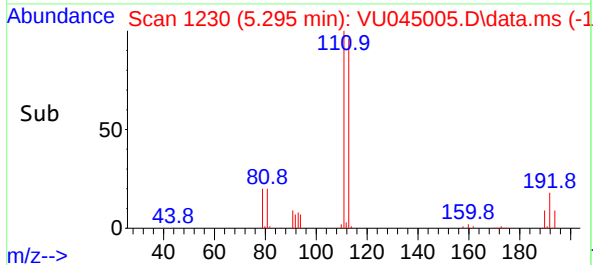
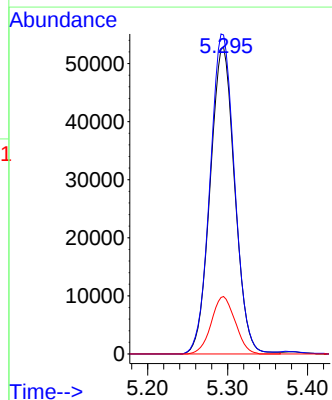
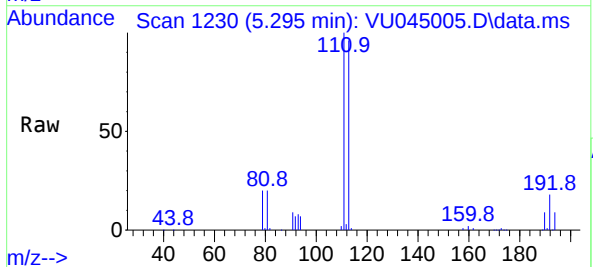
Instrument :  
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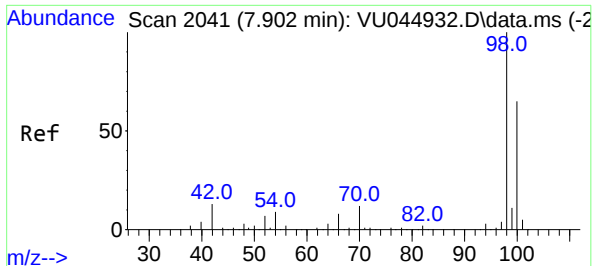
Tgt Ion:114 Resp: 364347  
Ion Ratio Lower Upper  
114 100  
63 22.8 0.0 47.8  
88 16.6 0.0 32.8



#35  
Dibromofluoromethane  
Concen: 49.00 ug/l  
RT: 5.295 min Scan# 1230  
Delta R.T. 0.003 min  
Lab File: VU045005.D  
Acq: 29 Sep 2021 20:00

Tgt Ion:113 Resp: 112617  
Ion Ratio Lower Upper  
113 100  
111 103.9 84.1 126.1  
192 18.2 14.8 22.2

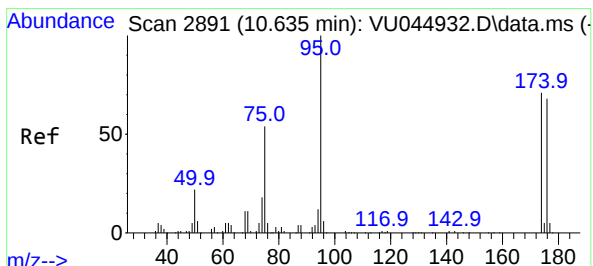
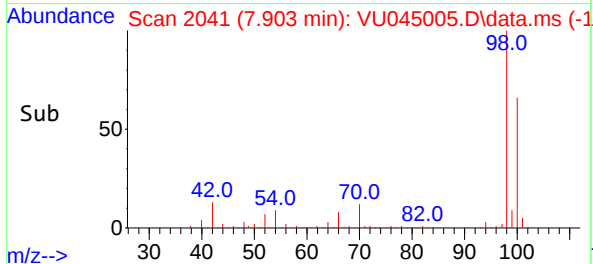
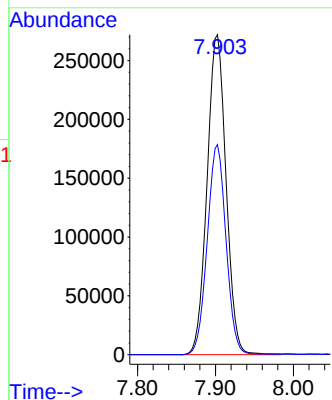
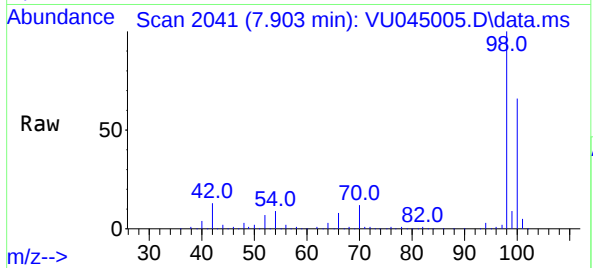




#50  
Toluene-d8  
Concen: 50.69 ug/l  
RT: 7.903 min Scan# 2041  
Delta R.T. 0.001 min  
Lab File: VU045005.D  
Acq: 29 Sep 2021 20:00

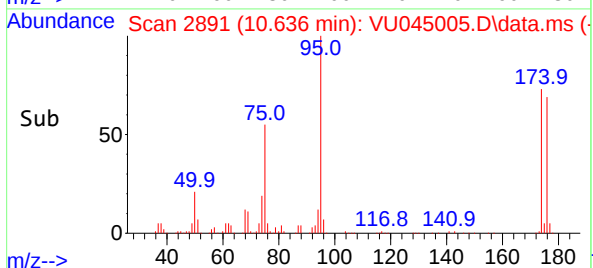
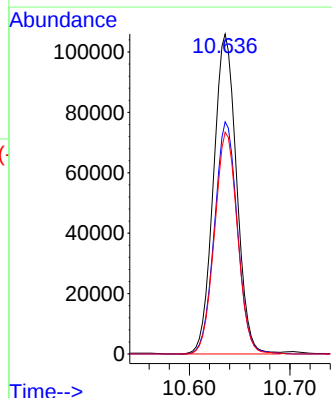
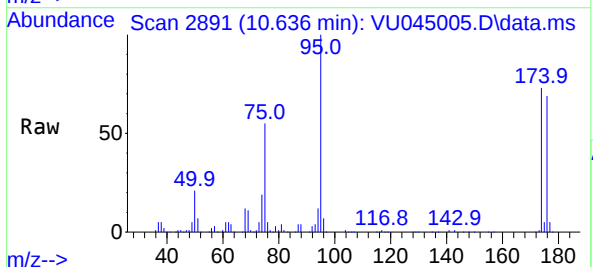
Instrument :  
MSVOA\_U  
ClientSampleId :  
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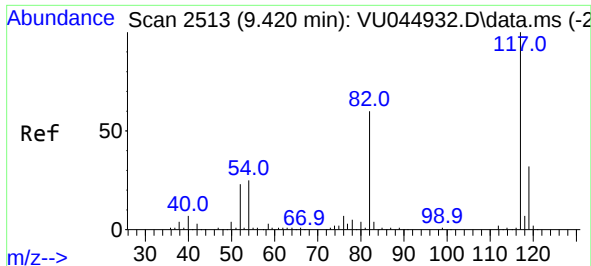
Tgt Ion: 98 Resp: 460298  
Ion Ratio Lower Upper  
98 100  
100 65.0 52.5 78.7



#62  
4-Bromofluorobenzene  
Concen: 45.01 ug/l  
RT: 10.636 min Scan# 2891  
Delta R.T. 0.001 min  
Lab File: VU045005.D  
Acq: 29 Sep 2021 20:00

Tgt Ion: 95 Resp: 168756  
Ion Ratio Lower Upper  
95 100  
174 72.3 0.0 146.6  
176 69.0 0.0 141.2

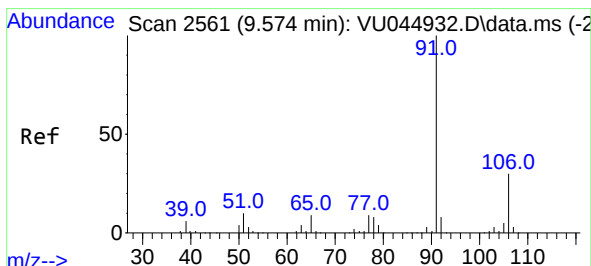
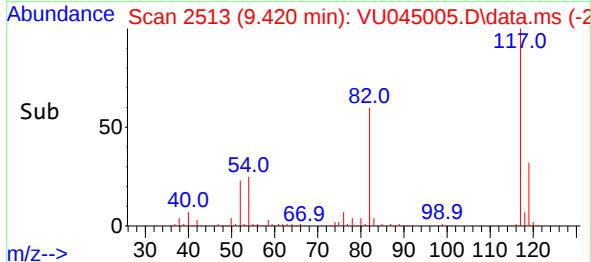
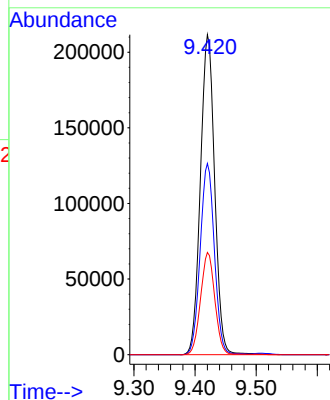
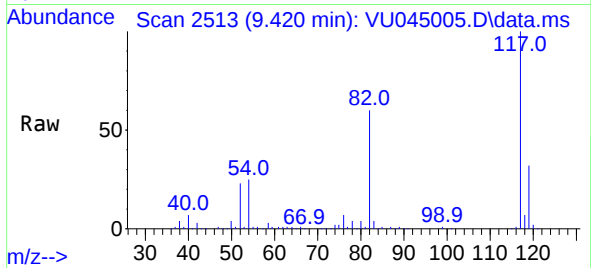




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.420 min Scan# 2513  
Delta R.T. 0.000 min  
Lab File: VU045005.D  
Acq: 29 Sep 2021 20:00

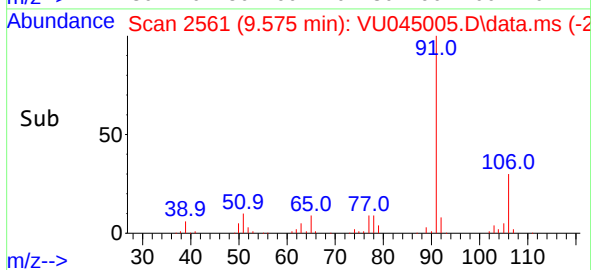
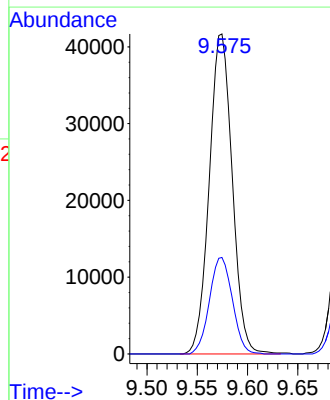
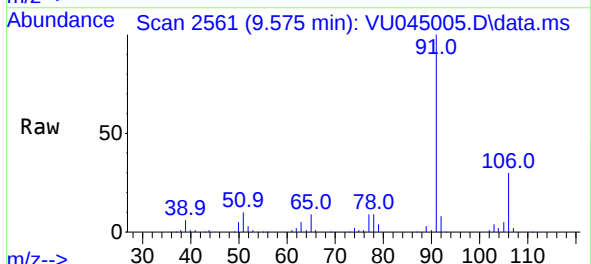
Instrument :  
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ClientSampleId :  
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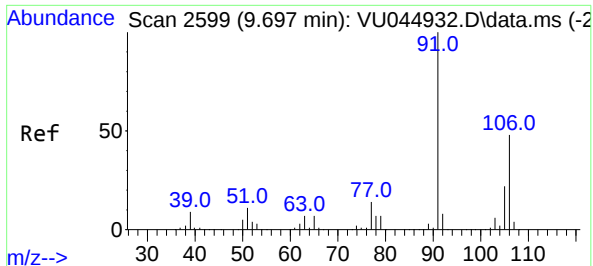
Tgt Ion:117 Resp: 342944  
Ion Ratio Lower Upper  
117 100  
82 59.8 47.8 71.8  
119 32.0 25.8 38.6



#67  
Ethyl Benzene  
Concen: 5.00 ug/l  
RT: 9.575 min Scan# 2561  
Delta R.T. 0.001 min  
Lab File: VU045005.D  
Acq: 29 Sep 2021 20:00

Tgt Ion: 91 Resp: 66220  
Ion Ratio Lower Upper  
91 100  
106 30.1 24.3 36.5

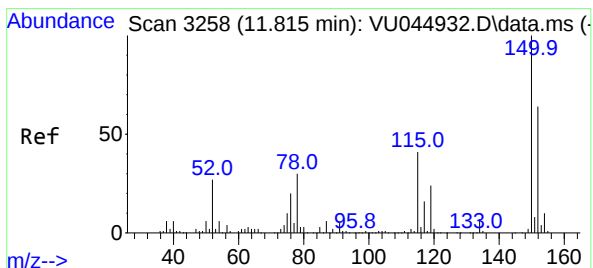
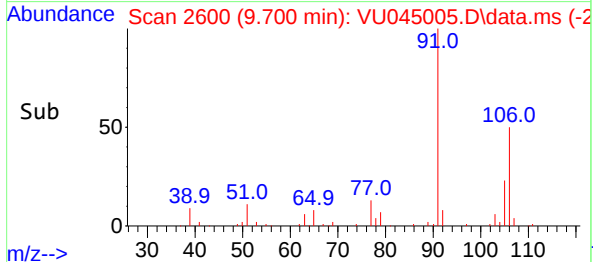
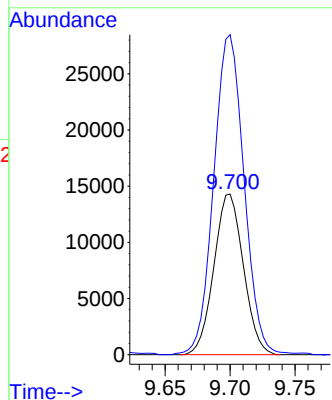
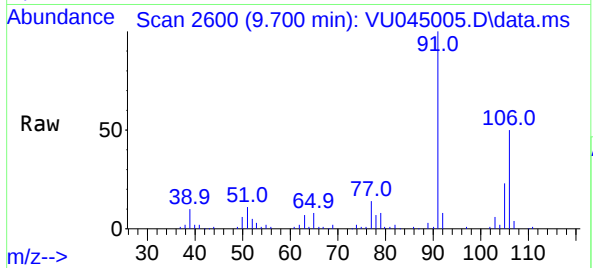




#68  
m/p-Xylenes  
Concen: 4.39 ug/l  
RT: 9.700 min Scan# 2600  
Delta R.T. 0.003 min  
Lab File: VU045005.D  
Acq: 29 Sep 2021 20:00

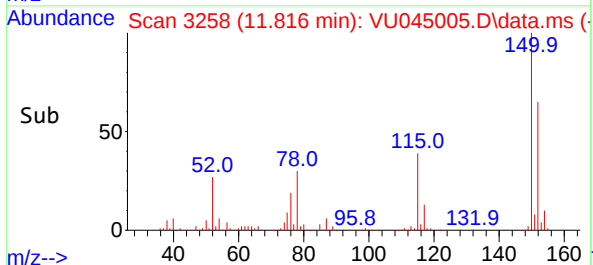
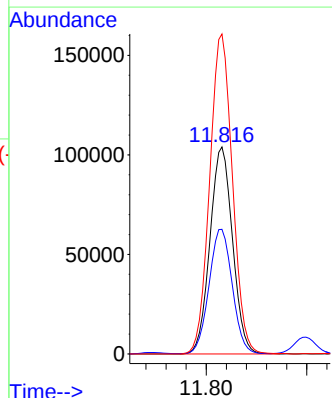
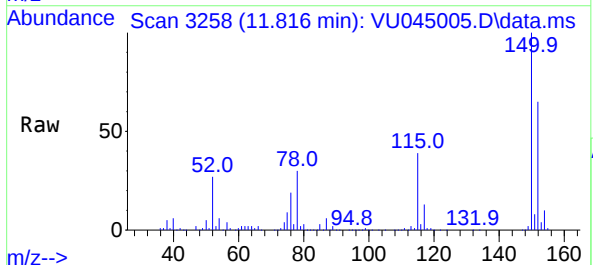
Instrument :  
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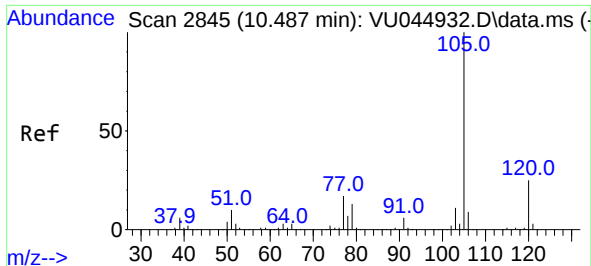
Tgt Ion:106 Resp: 22541  
Ion Ratio Lower Upper  
106 100  
91 205.0 164.2 246.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 11.816 min Scan# 3258  
Delta R.T. 0.001 min  
Lab File: VU045005.D  
Acq: 29 Sep 2021 20:00

Tgt Ion:152 Resp: 162382  
Ion Ratio Lower Upper  
152 100  
115 61.6 43.5 130.7  
150 155.3 0.0 350.0

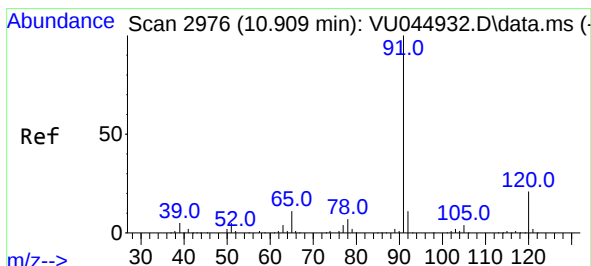
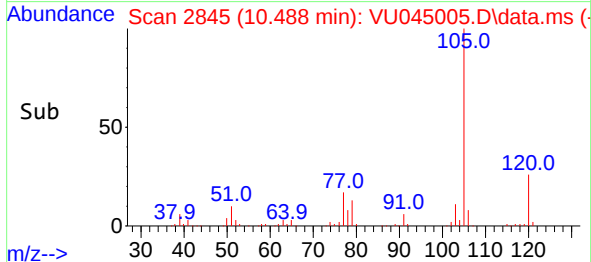
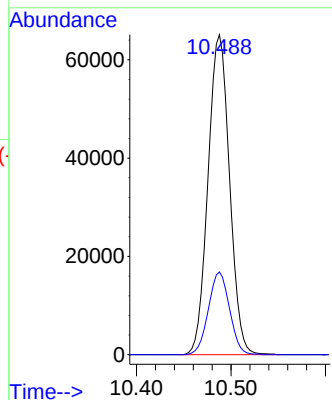
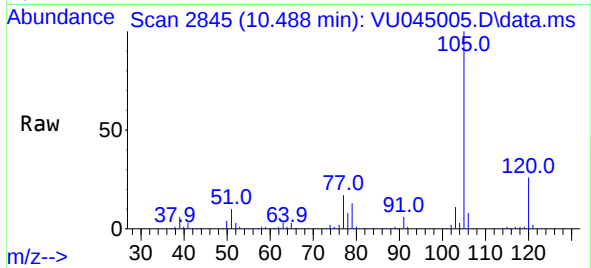




#73  
Isopropylbenzene  
Concen: 8.51 ug/l  
RT: 10.488 min Scan# 2845  
Delta R.T. 0.001 min  
Lab File: VU045005.D  
Acq: 29 Sep 2021 20:00

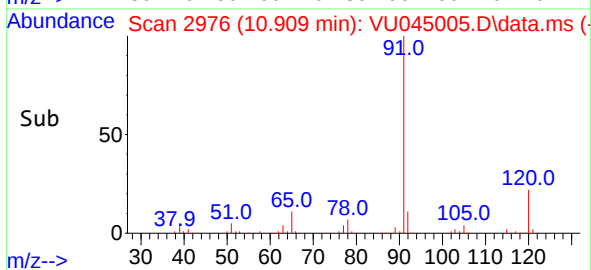
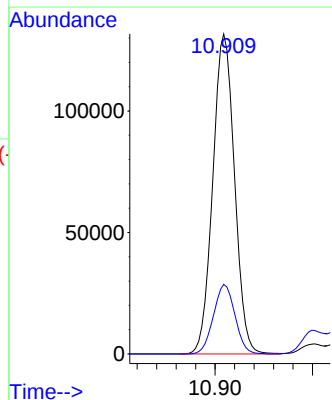
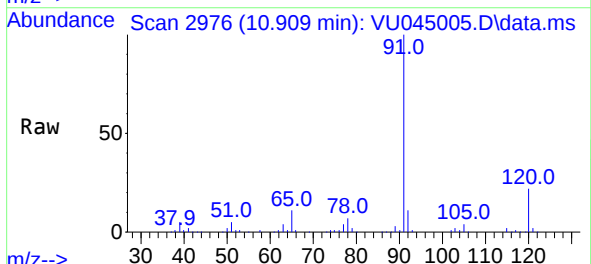
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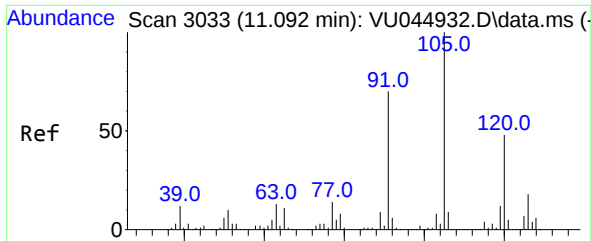
Tgt Ion:105 Resp: 102924  
Ion Ratio Lower Upper  
105 100  
120 25.4 12.8 38.3



#78  
n-propylbenzene  
Concen: 13.82 ug/l  
RT: 10.909 min Scan# 2976  
Delta R.T. -0.000 min  
Lab File: VU045005.D  
Acq: 29 Sep 2021 20:00

Tgt Ion: 91 Resp: 203660  
Ion Ratio Lower Upper  
91 100  
120 21.5 10.8 32.4

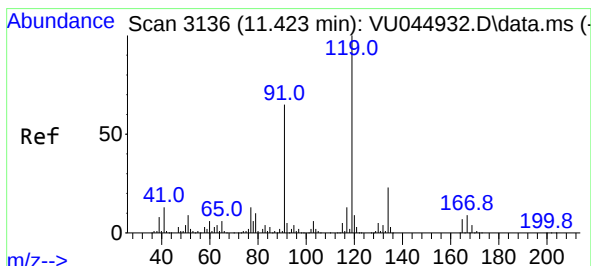
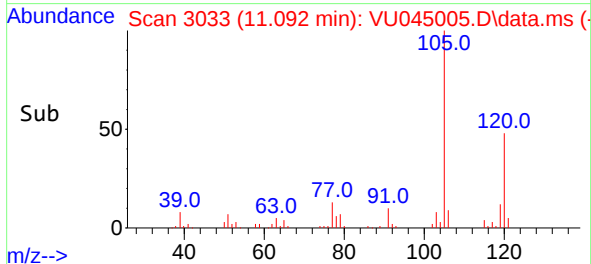
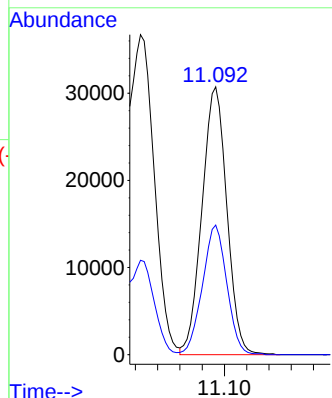
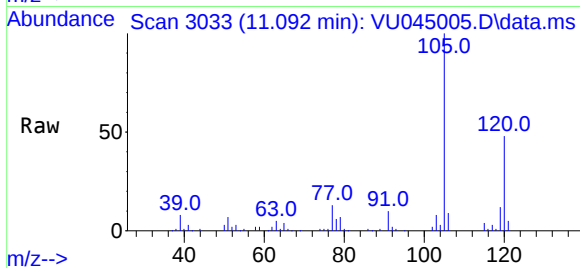




#80  
1,3,5-Trimethylbenzene  
Concen: 4.50 ug/l  
RT: 11.092 min Scan# 3033  
Delta R.T. 0.000 min  
Lab File: VU045005.D  
Acq: 29 Sep 2021 20:00

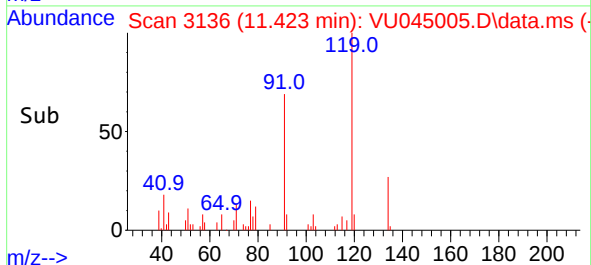
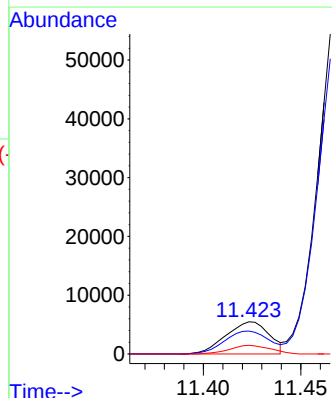
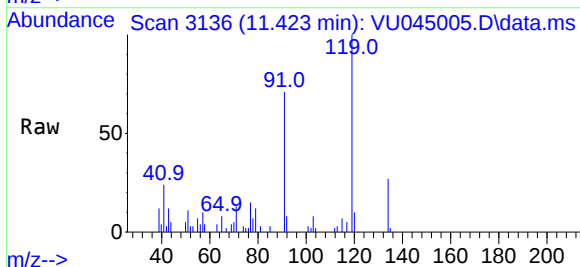
Instrument :  
MSVOA\_U  
ClientSampleId :  
EP-1-MW-2-0921DL

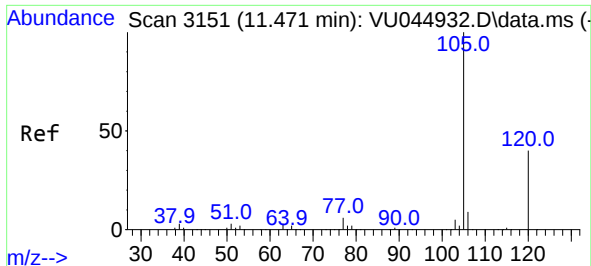
Tgt Ion:105 Resp: 47669  
Ion Ratio Lower Upper  
105 100  
120 47.5 24.1 72.2



#83  
tert-Butylbenzene  
Concen: 0.82 ug/l  
RT: 11.423 min Scan# 3136  
Delta R.T. 0.000 min  
Lab File: VU045005.D  
Acq: 29 Sep 2021 20:00

Tgt Ion:119 Resp: 8476  
Ion Ratio Lower Upper  
119 100  
91 73.0 30.4 91.2  
134 25.0 11.5 34.5

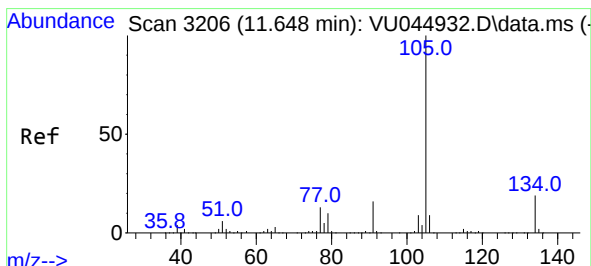
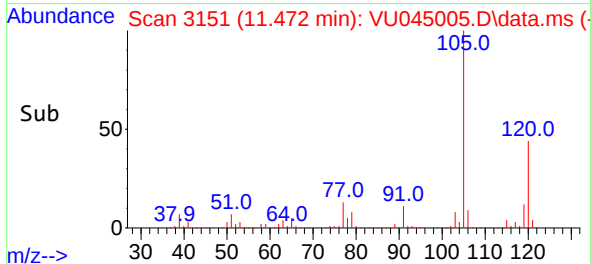
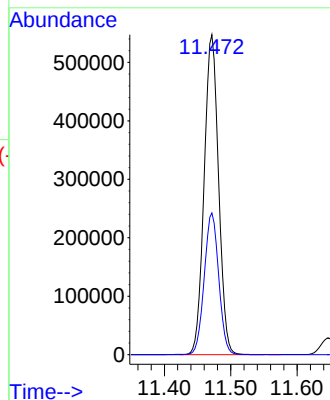
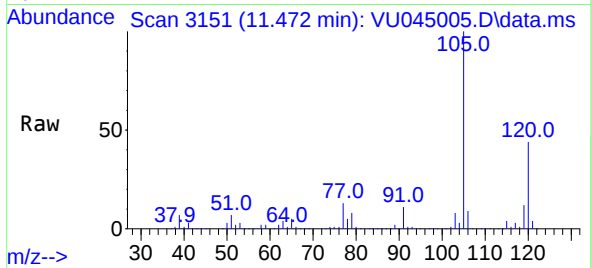




#84  
1,2,4-Trimethylbenzene  
Concen: 79.05 ug/l  
RT: 11.472 min Scan# 3151  
Delta R.T. 0.001 min  
Lab File: VU045005.D  
Acq: 29 Sep 2021 20:00

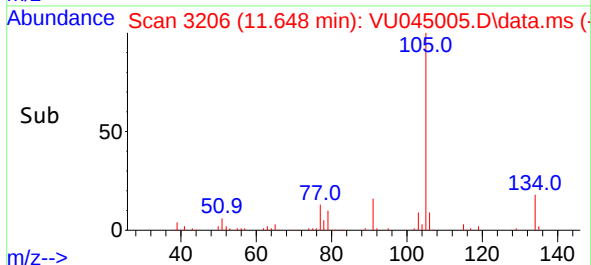
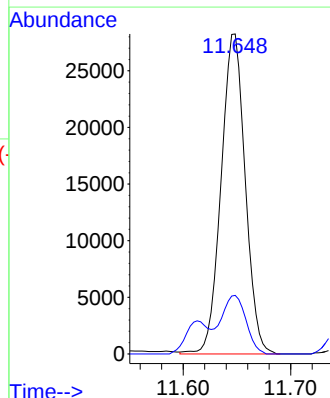
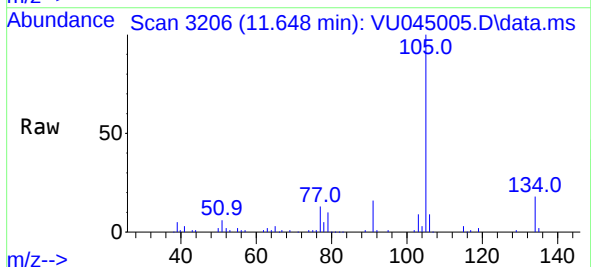
Instrument :  
MSVOA\_U  
ClientSampleId :  
EP-1-MW-2-0921DL

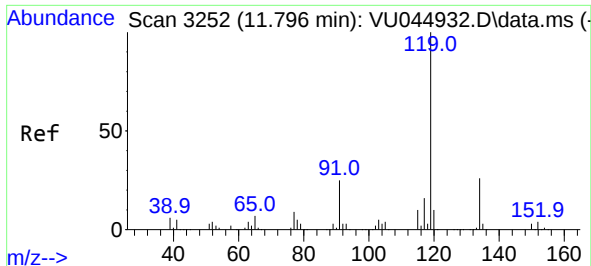
Tgt Ion:105 Resp: 828482  
Ion Ratio Lower Upper  
105 100  
120 44.5 22.4 67.3



#85  
sec-Butylbenzene  
Concen: 3.32 ug/l  
RT: 11.648 min Scan# 3206  
Delta R.T. 0.000 min  
Lab File: VU045005.D  
Acq: 29 Sep 2021 20:00

Tgt Ion:105 Resp: 44038  
Ion Ratio Lower Upper  
105 100  
134 18.0 9.3 28.0

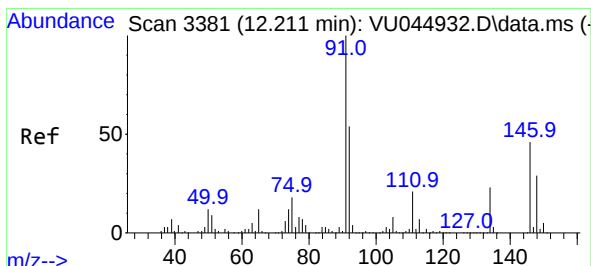
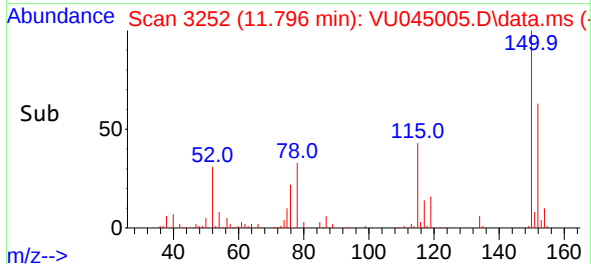
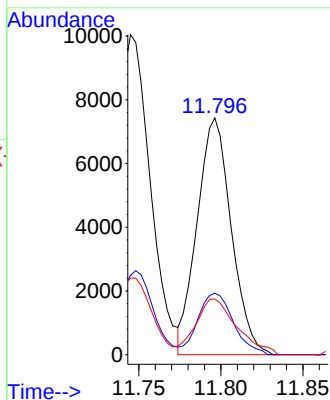
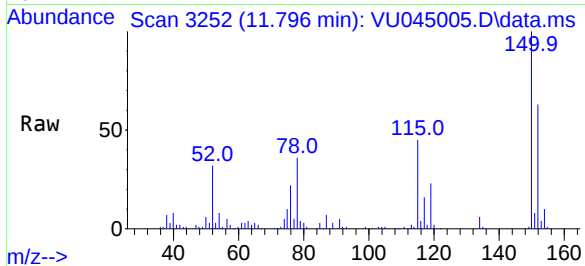




#86  
p-Isopropyltoluene  
Concen: 1.01 ug/l  
RT: 11.796 min Scan# 3252  
Delta R.T. 0.000 min  
Lab File: VU045005.D  
Acq: 29 Sep 2021 20:00

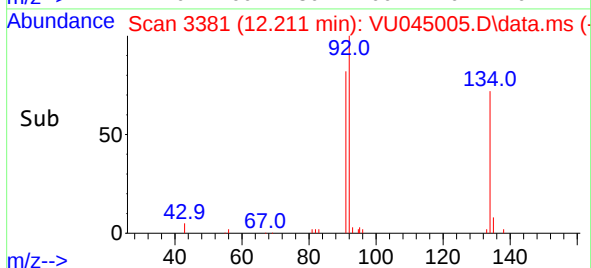
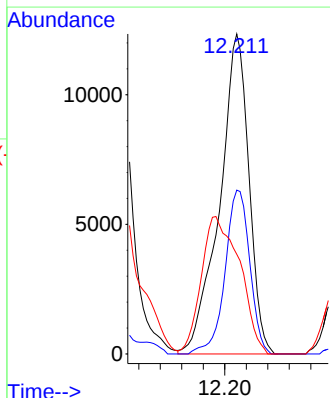
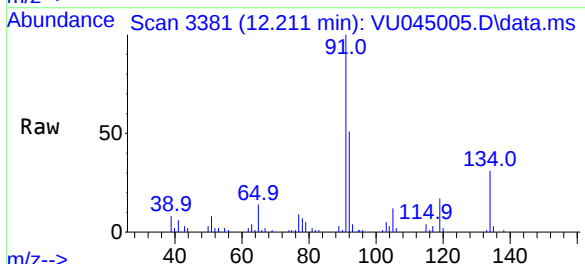
Instrument :  
MSVOA\_U  
ClientSampleId :  
EP-1-MW-2-0921DL

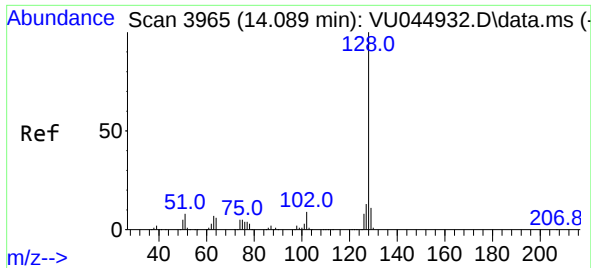
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 10760 |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 134      | 27.0  | 12.8  | 38.3  |
| 91       | 28.6  | 12.2  | 36.6  |



#89  
n-Butylbenzene  
Concen: 2.38 ug/l  
RT: 12.211 min Scan# 3381  
Delta R.T. 0.000 min  
Lab File: VU045005.D  
Acq: 29 Sep 2021 20:00

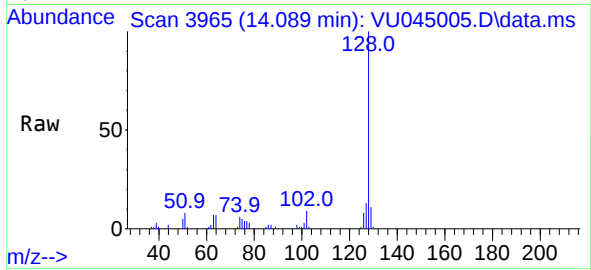
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 23366 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 43.1  | 26.8  | 80.4  |
| 134      | 56.2  | 11.8  | 35.4# |





#95  
Naphthalene  
Concen: 3.04 ug/l  
RT: 14.089 min Scan# 3965  
Delta R.T. -0.000 min  
Lab File: VU045005.D  
Acq: 29 Sep 2021 20:00

Instrument :  
MSVOA\_U  
ClientSampleId :  
EP-1-MW-2-0921DL



Tgt Ion:128 Resp: 36399  
Ion Ratio Lower Upper  
128 100  
127 12.7 10.4 15.6  
129 10.9 8.6 13.0

