

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120324\  
 Data File : VX044102.D  
 Acq On : 03 Dec 2024 18:46  
 Operator : JC/MD  
 Sample : P5006-14  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SPLP-C11-3

Quant Time: Dec 04 00:15:09 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

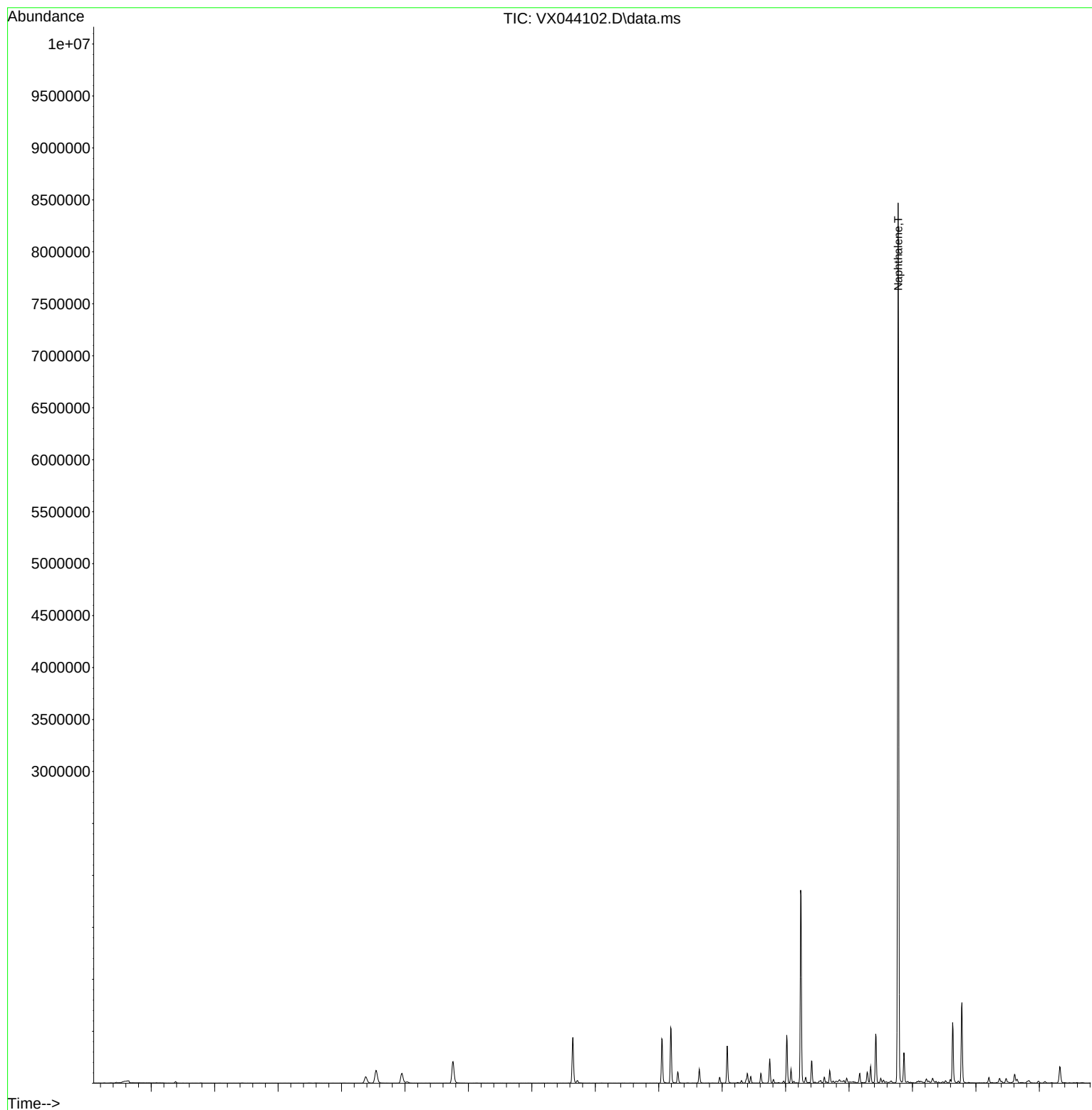
| Compound                    | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|-----------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                       |                |      |                     |         |        |          |
| Internal Standards          |                |      |                     |         |        |          |
| 1) Pentafluorobenzene       | 5.544          | 168  | 104678              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.757          | 114  | 205665              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055         | 117  | 184006              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.018         | 152  | 84942               | 50.000  | ug/l   | 0.00     |
|                             |                |      |                     |         |        |          |
| System Monitoring Compounds |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.952          | 65   | 94124               | 52.425  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = 104.840% |         |        |          |
| 35) Dibromofluoromethane    | 5.379          | 113  | 52876               | 35.980  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = 71.960%# |         |        |          |
| 50) Toluene-d8              | 8.647          | 98   | 254444              | 50.228  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = 100.460% |         |        |          |
| 62) 4-Bromofluorobenzene    | 11.079         | 95   | 90782               | 52.657  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 77 - 121 |      | Recovery = 105.320% |         |        |          |
|                             |                |      |                     |         |        |          |
| Target Compounds            |                |      |                     |         |        |          |
| 16) Acetone                 | 2.386          | 43   | 14715               | 17.845  | ug/l   | 93       |
| 40) Benzene                 | 6.037          | 78   | 14047               | 2.463   | ug/l   | 100      |
| 52) Toluene                 | 8.720          | 92   | 8797                | 2.577   | ug/l   | 97       |
| 67) Ethyl Benzene           | 10.195         | 91   | 314227              | 45.886  | ug/l   | 99       |
| 68) m/p-Xylenes             | 10.299         | 106  | 24707               | 9.675   | ug/l   | 98       |
| 69) o-Xylene                | 10.640         | 106  | 26925               | 10.799  | ug/l   | 96       |
| 73) Isopropylbenzene        | 10.963         | 105  | 28697               | 4.395   | ug/l   | 99       |
| 78) n-propylbenzene         | 11.305         | 91   | 14426               | 1.978   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene  | 11.451         | 105  | 26719               | 4.974   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene  | 11.750         | 105  | 97956               | 18.316  | ug/l   | 98       |
| 89) n-Butylbenzene          | 12.317         | 91   | 5728                | 1.226   | ug/l # | 11       |
| 95) Naphthalene             | 13.774         | 128  | 4742702             | 780.590 | ug/l   | 98       |
| -----                       |                |      |                     |         |        |          |

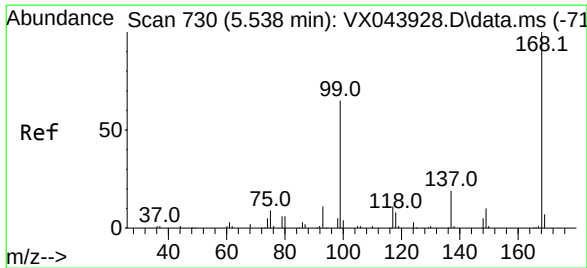
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_X  
ClientSampleId :  
SPLP-C11-3

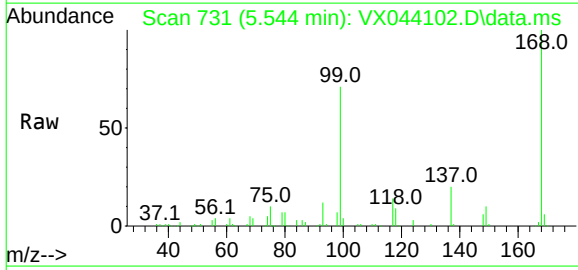
Quant Time: Dec 04 00:15:09 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration



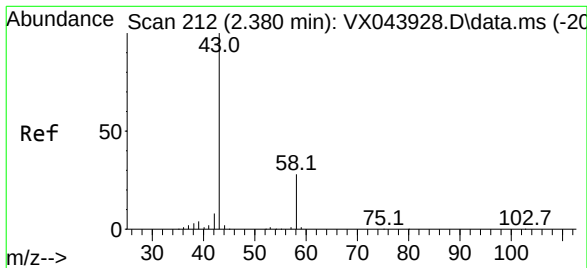
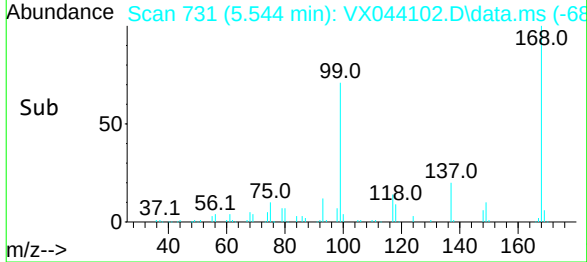
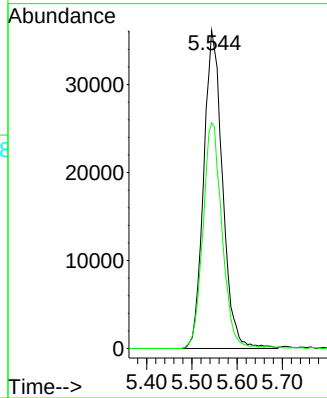


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 730  
Delta R.T. 0.006 min  
Lab File: VX044102.D  
Acq: 03 Dec 2024 18:46

Instrument :  
MSVOA\_X  
ClientSampleId :  
SPLP-C11-3

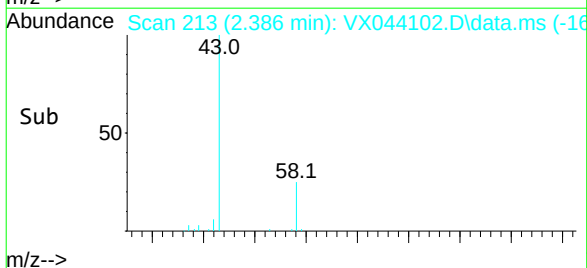
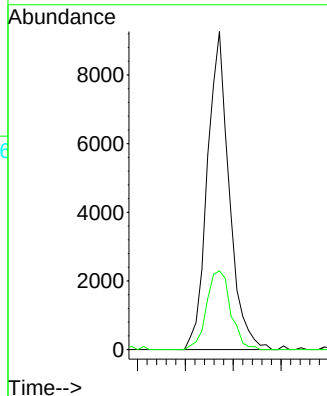
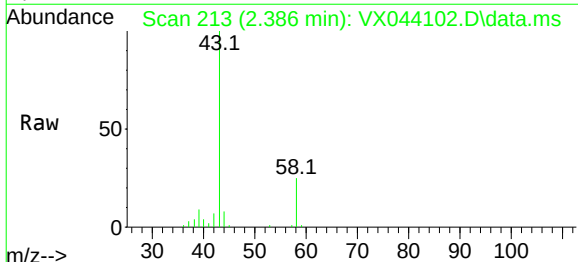


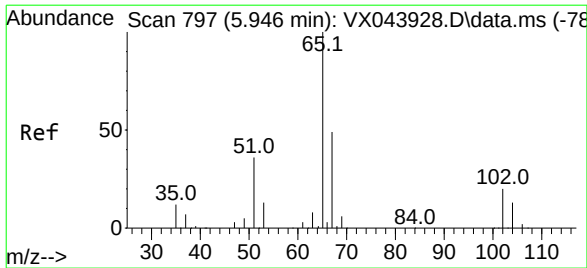
Tgt Ion:168 Resp: 104678  
Ion Ratio Lower Upper  
168 100  
99 71.0 51.8 77.8



#16  
Acetone  
Concen: 17.845 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. 0.006 min  
Lab File: VX044102.D  
Acq: 03 Dec 2024 18:46

Tgt Ion: 43 Resp: 14715  
Ion Ratio Lower Upper  
43 100  
58 24.8 22.7 34.1

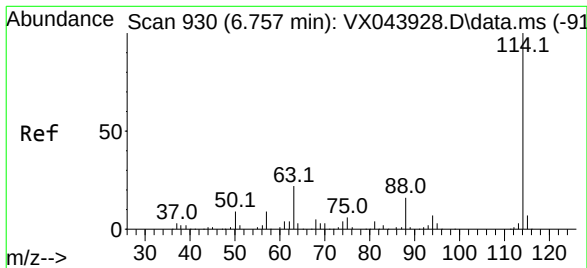
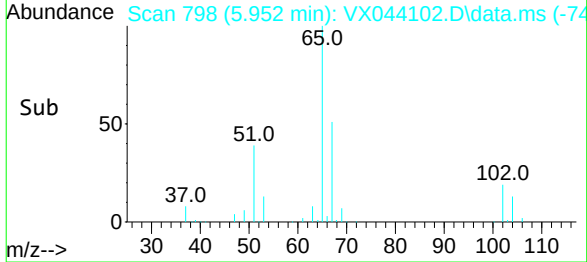
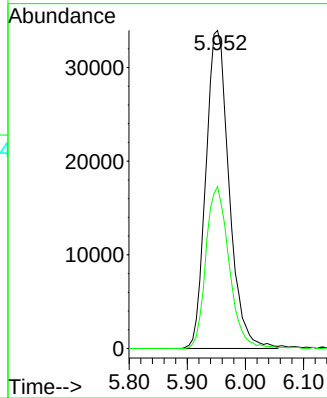
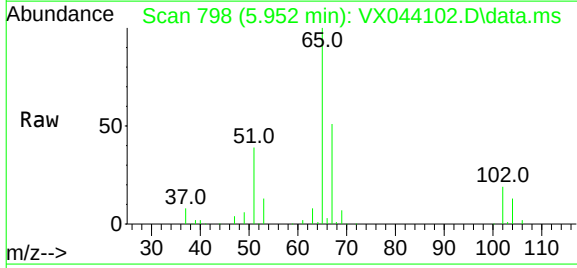




#33  
1,2-Dichloroethane-d4  
Concen: 52.425 ug/l  
RT: 5.952 min Scan# 79  
Delta R.T. 0.006 min  
Lab File: VX044102.D  
Acq: 03 Dec 2024 18:46

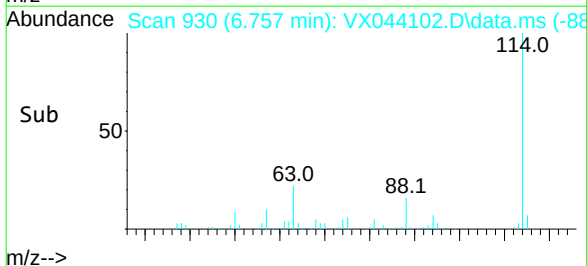
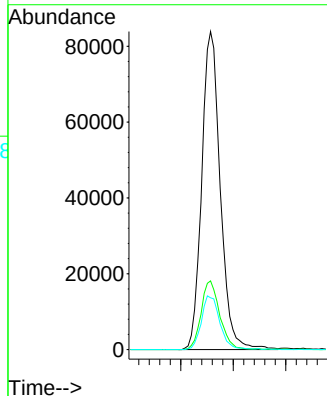
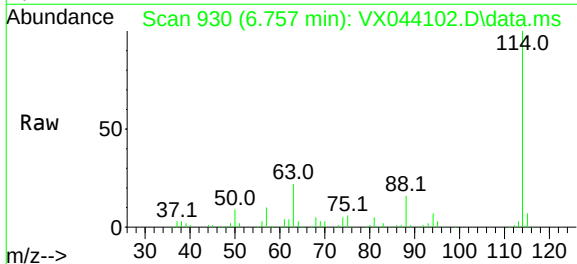
Instrument :  
MSVOA\_X  
ClientSampleId :  
SPLP-C11-3

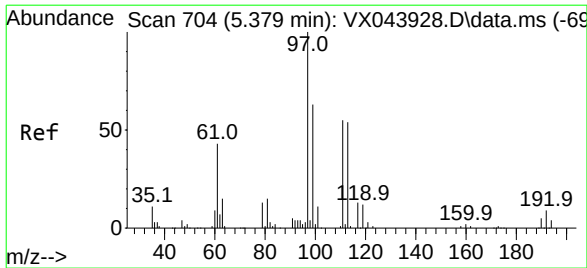
Tgt Ion: 65 Resp: 94124  
Ion Ratio Lower Upper  
65 100  
67 50.9 0.0 100.8



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 930  
Delta R.T. -0.000 min  
Lab File: VX044102.D  
Acq: 03 Dec 2024 18:46

Tgt Ion: 114 Resp: 205665  
Ion Ratio Lower Upper  
114 100  
63 21.6 0.0 44.0  
88 16.3 0.0 32.4





#35

Dibromofluoromethane

Concen: 35.980 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX044102.D

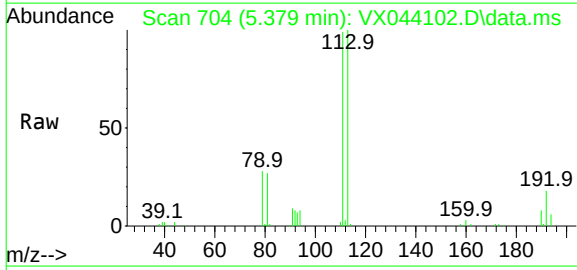
Acq: 03 Dec 2024 18:46

Instrument :

MSVOA\_X

ClientSampleId :

SPLP-C11-3



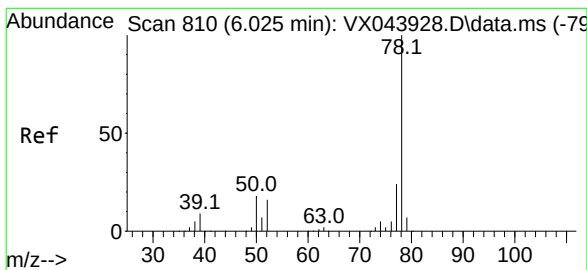
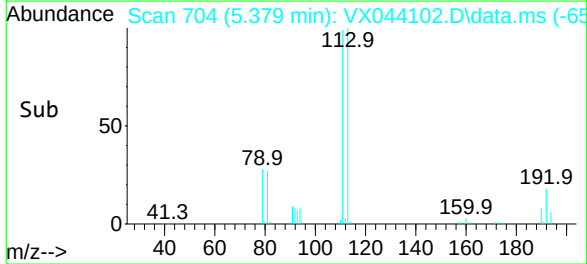
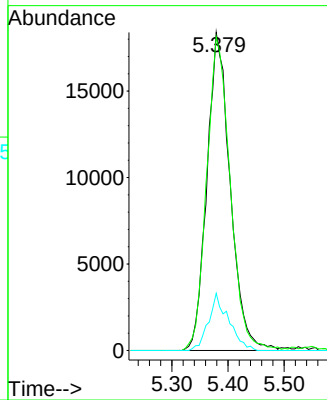
Tgt Ion:113 Resp: 52876

Ion Ratio Lower Upper

113 100

111 100.4 81.0 121.4

192 15.6 13.0 19.6



#40

Benzene

Concen: 2.463 ug/l

RT: 6.037 min Scan# 812

Delta R.T. 0.012 min

Lab File: VX044102.D

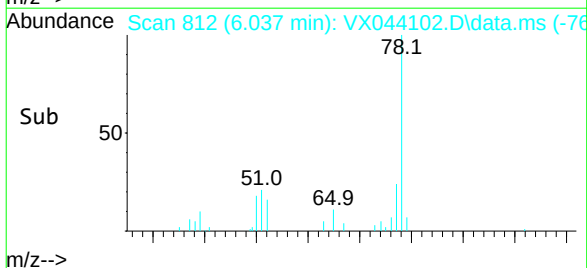
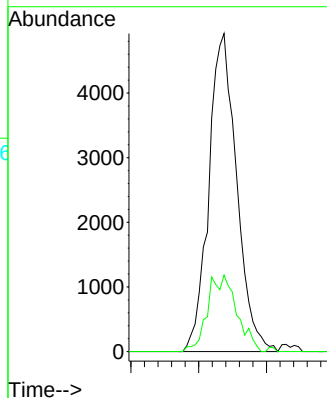
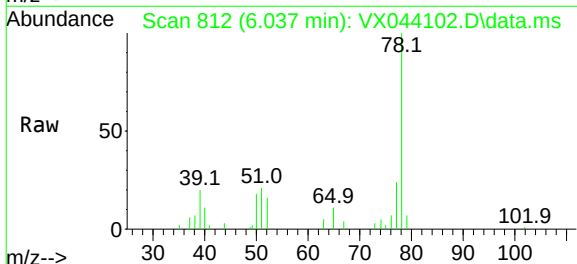
Acq: 03 Dec 2024 18:46

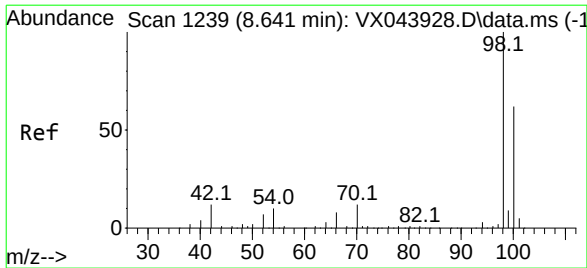
Tgt Ion: 78 Resp: 14047

Ion Ratio Lower Upper

78 100

77 24.0 19.2 28.8

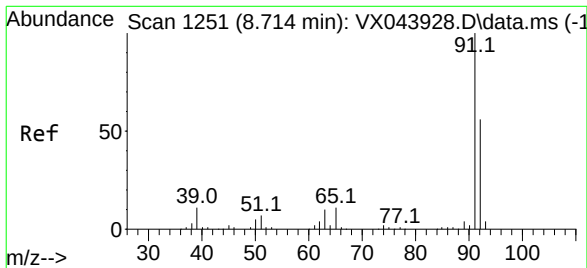
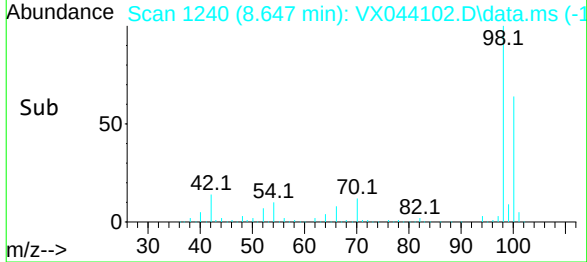
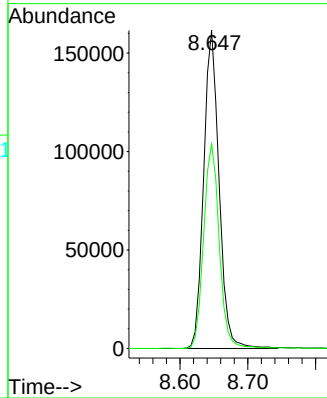
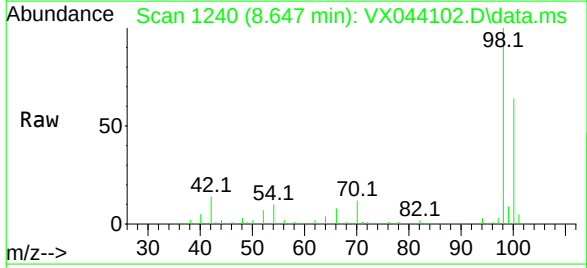




#50  
Toluene-d8  
Concen: 50.228 ug/l  
RT: 8.647 min Scan# 1239  
Delta R.T. 0.006 min  
Lab File: VX044102.D  
Acq: 03 Dec 2024 18:46

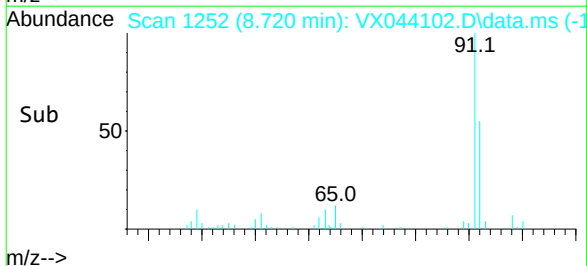
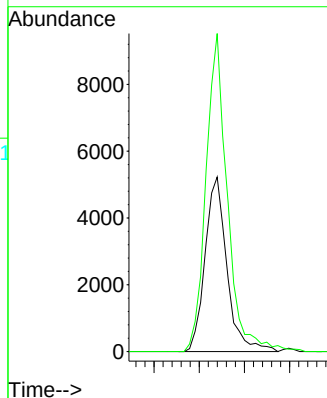
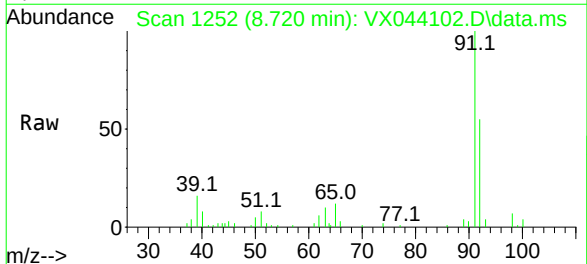
Instrument :  
MSVOA\_X  
ClientSampleId :  
SPLP-C11-3

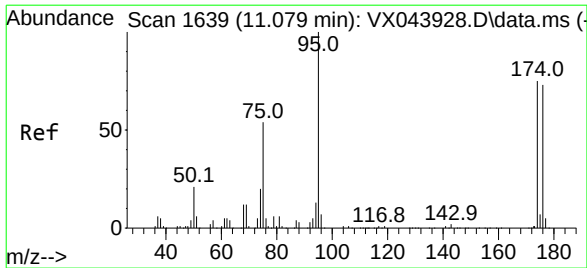
Tgt Ion: 98 Resp: 254444  
Ion Ratio Lower Upper  
98 100  
100 65.2 52.6 79.0



#52  
Toluene  
Concen: 2.577 ug/l  
RT: 8.720 min Scan# 1252  
Delta R.T. 0.006 min  
Lab File: VX044102.D  
Acq: 03 Dec 2024 18:46

Tgt Ion: 92 Resp: 8797  
Ion Ratio Lower Upper  
92 100  
91 178.1 139.7 209.5





#62

4-Bromofluorobenzene

Concen: 52.657 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX044102.D

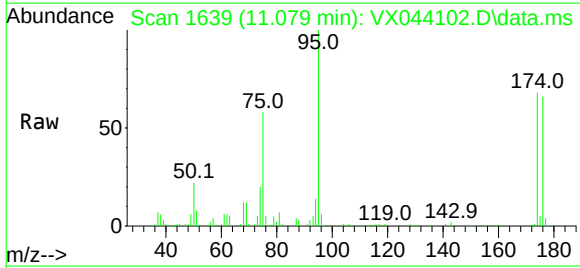
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Instrument :

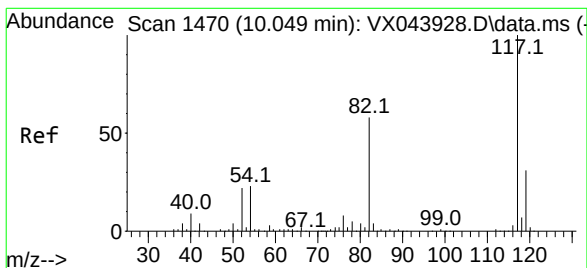
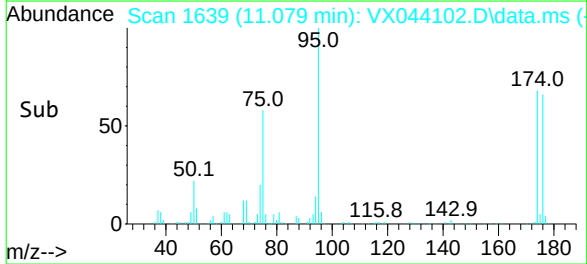
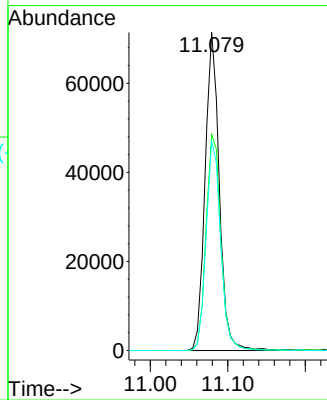
MSVOA\_X

ClientSampleId :

SPLP-C11-3



| Tgt Ion:  | 95    | Resp: | 90782 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 95        | 100   |       |       |
| 174       | 71.2  | 0.0   | 150.4 |
| 176       | 67.8  | 0.0   | 146.0 |



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

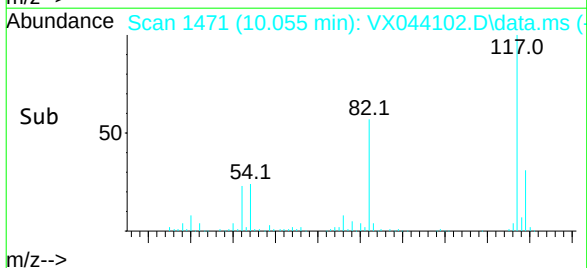
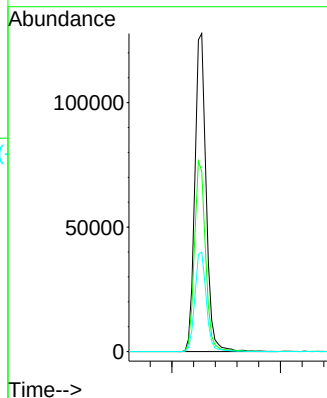
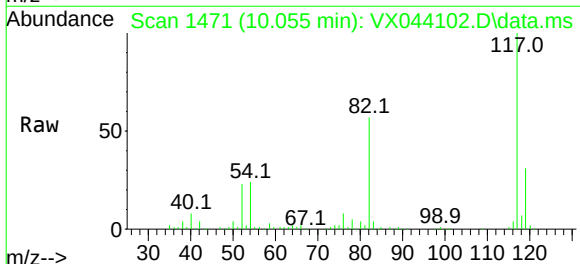
RT: 10.055 min Scan# 1471

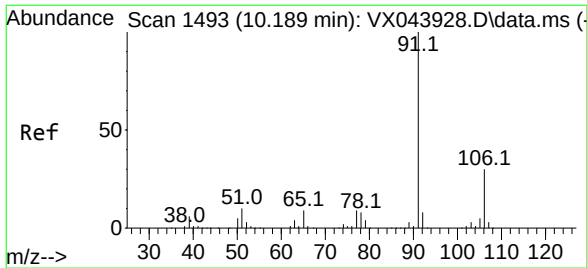
Delta R.T. 0.006 min

Lab File: VX044102.D

Acq: 03 Dec 2024 18:46

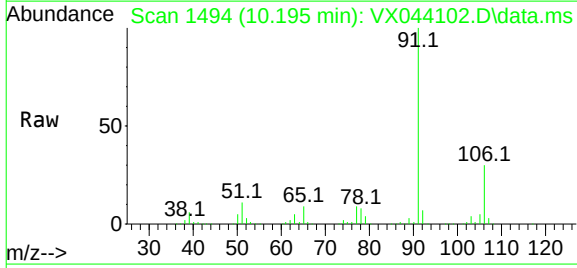
| Tgt Ion:  | 117   | Resp: | 184006 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 56.7  | 46.4  | 69.6   |
| 119       | 31.3  | 24.6  | 37.0   |



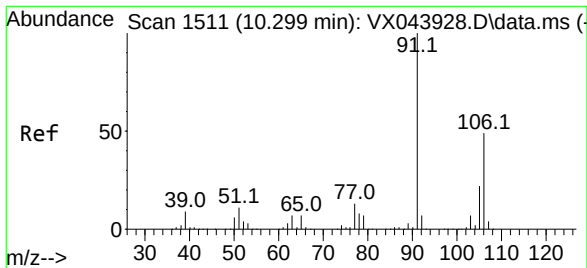
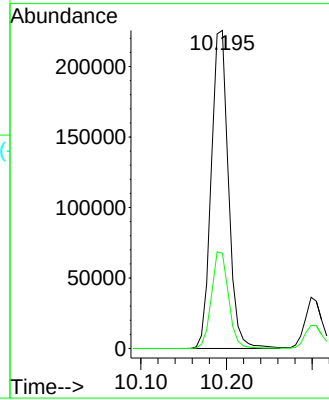
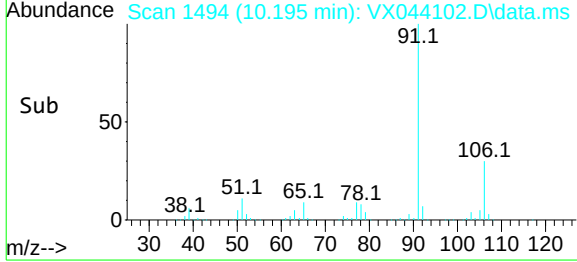


#67  
Ethyl Benzene  
Concen: 45.886 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.006 min  
Lab File: VX044102.D  
Acq: 03 Dec 2024 18:46

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ClientSampleId :  
SPLP-C11-3

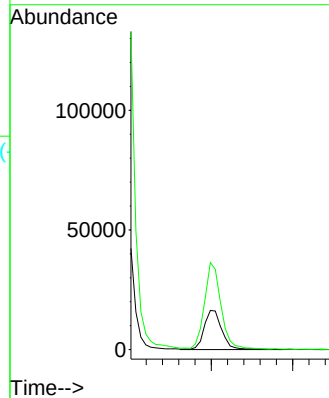
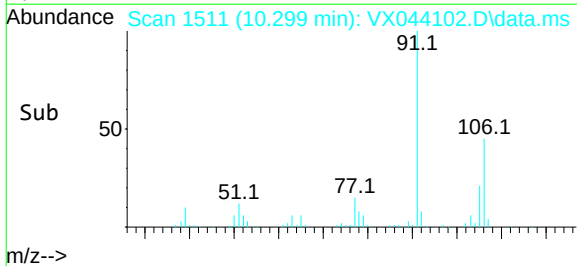
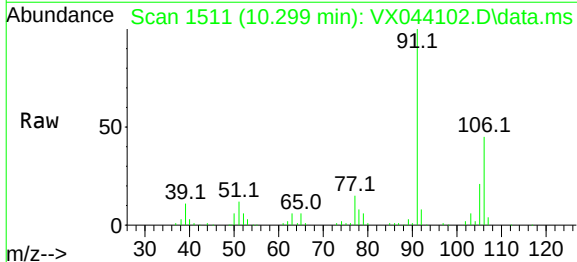


Tgt Ion: 91 Resp: 314227  
Ion Ratio Lower Upper  
91 100  
106 30.0 23.6 35.4

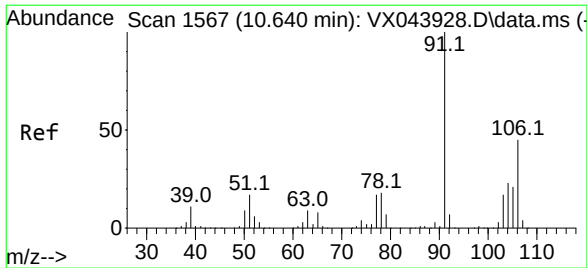


#68  
m/p-Xylenes  
Concen: 9.675 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. -0.000 min  
Lab File: VX044102.D  
Acq: 03 Dec 2024 18:46

Tgt Ion: 106 Resp: 24707  
Ion Ratio Lower Upper  
106 100  
91 207.3 168.1 252.1







#69

o-Xylene

Concen: 10.799 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX044102.D

Acq: 03 Dec 2024 18:46

Instrument :

MSVOA\_X

ClientSampleId :

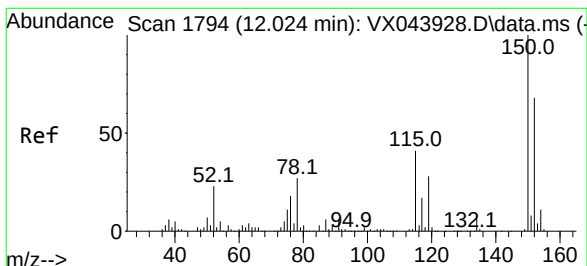
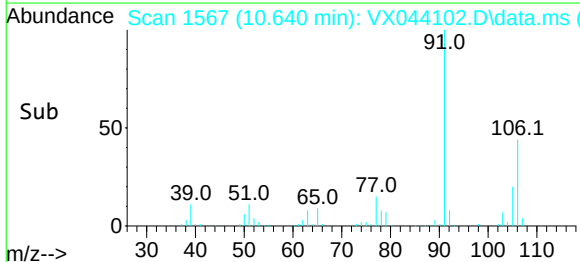
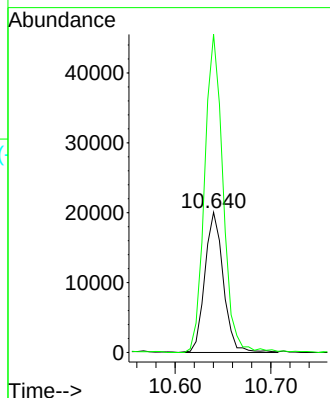
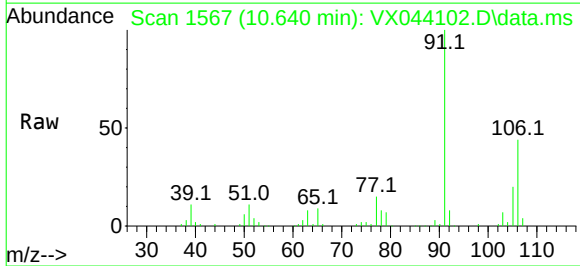
SPLP-C11-3

Tgt Ion:106 Resp: 26925

Ion Ratio Lower Upper

106 100

91 226.9 110.2 330.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VX044102.D

Acq: 03 Dec 2024 18:46

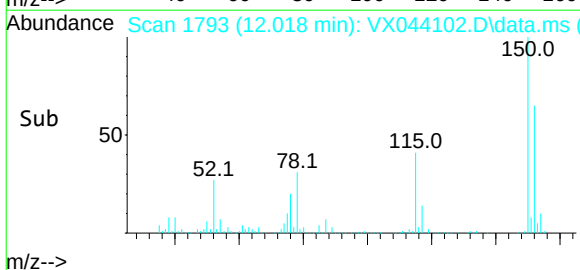
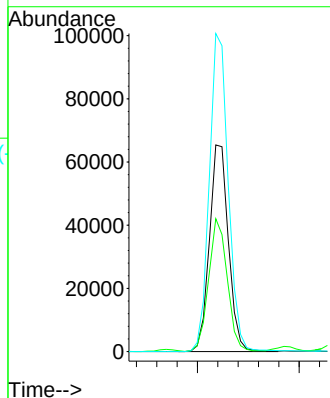
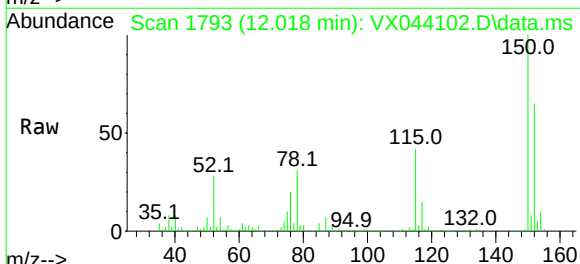
Tgt Ion:152 Resp: 84942

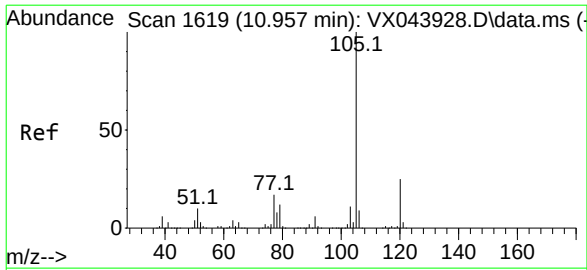
Ion Ratio Lower Upper

152 100

115 62.9 45.4 136.2

150 153.5 0.0 353.0





#73

Isopropylbenzene

Concen: 4.395 ug/l

RT: 10.963 min Scan# 1619

Delta R.T. 0.006 min

Lab File: VX044102.D

Acq: 03 Dec 2024 18:46

Instrument :

MSVOA\_X

ClientSampleId :

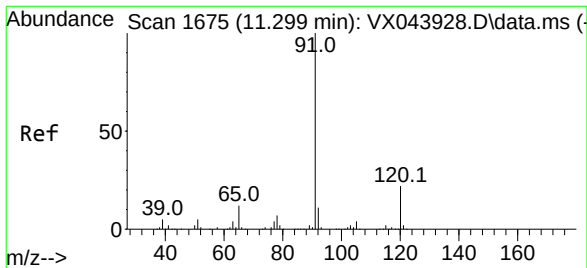
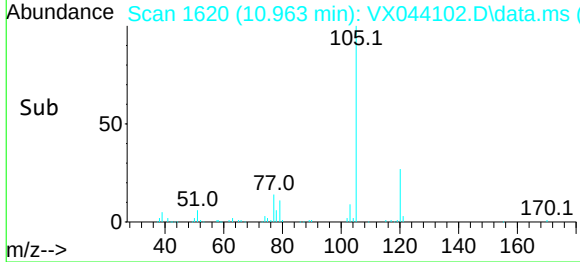
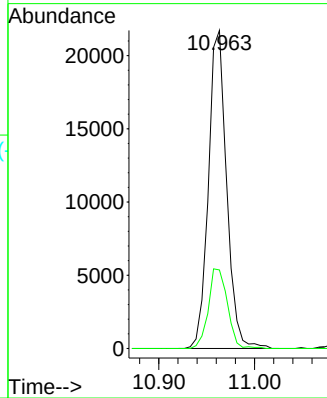
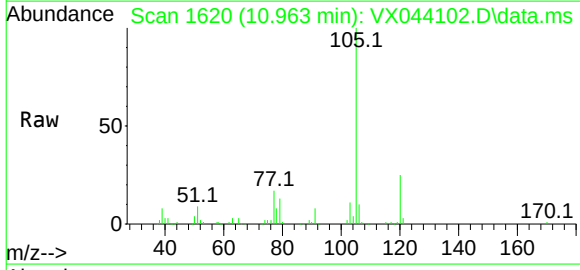
SPLP-C11-3

Tgt Ion:105 Resp: 28697

Ion Ratio Lower Upper

105 100

120 26.2 13.0 38.9



#78

n-propylbenzene

Concen: 1.978 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX044102.D

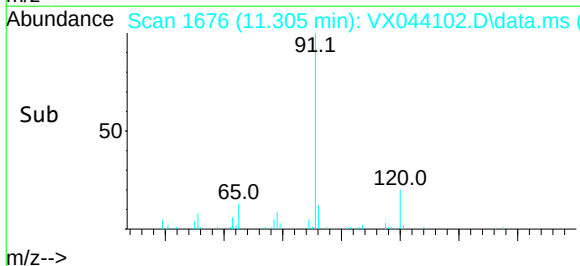
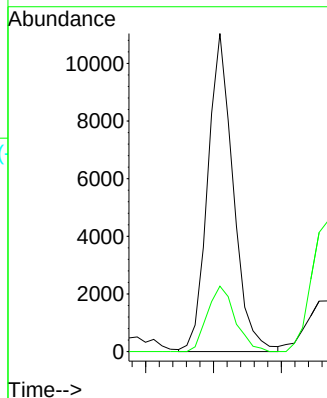
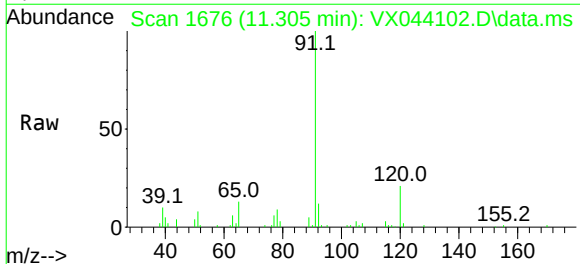
Acq: 03 Dec 2024 18:46

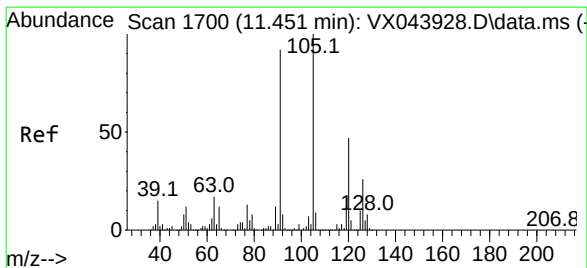
Tgt Ion: 91 Resp: 14426

Ion Ratio Lower Upper

91 100

120 22.4 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 4.974 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX044102.D

Acq: 03 Dec 2024 18:46

Instrument :

MSVOA\_X

ClientSampleId :

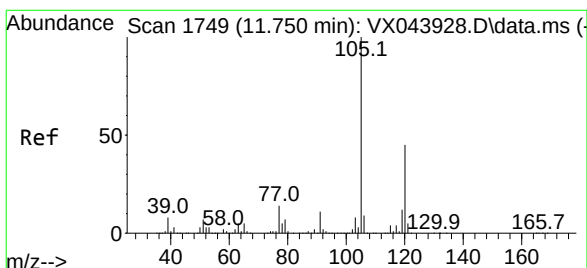
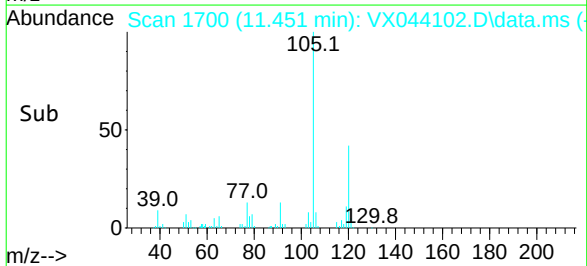
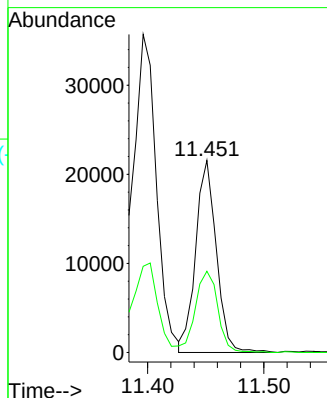
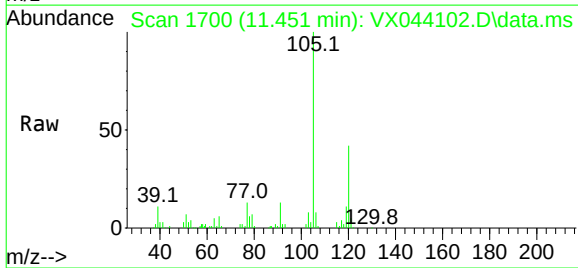
SPLP-C11-3

Tgt Ion:105 Resp: 26719

Ion Ratio Lower Upper

105 100

120 46.7 23.3 69.8



#84

1,2,4-Trimethylbenzene

Concen: 18.316 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX044102.D

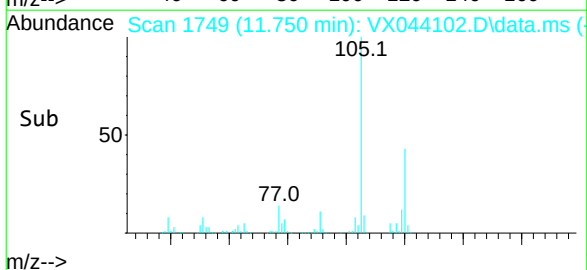
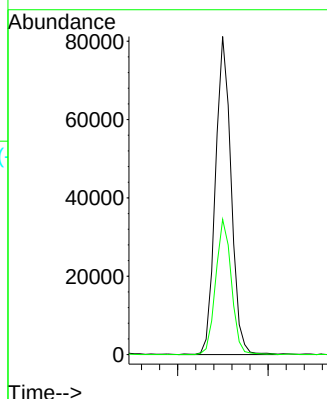
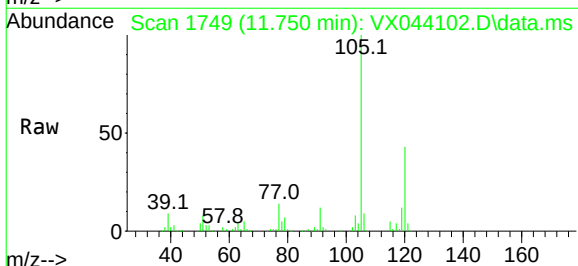
Acq: 03 Dec 2024 18:46

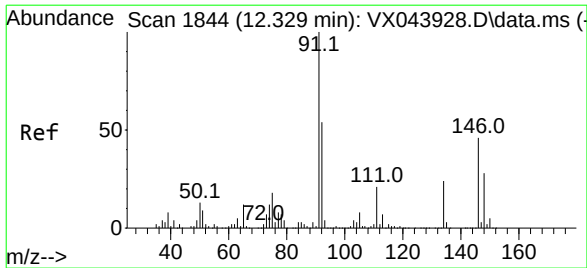
Tgt Ion:105 Resp: 97956

Ion Ratio Lower Upper

105 100

120 42.5 21.9 65.7





#89

n-Butylbenzene

Concen: 1.226 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. -0.012 min

Lab File: VX044102.D

Acq: 03 Dec 2024 18:46

Instrument :

MSVOA\_X

ClientSampleId :

SPLP-C11-3

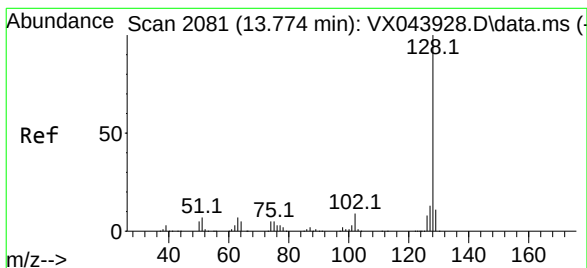
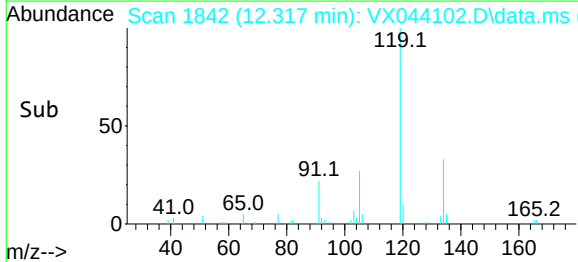
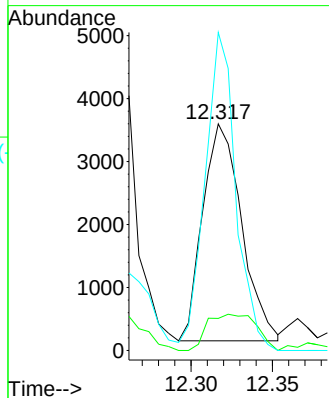
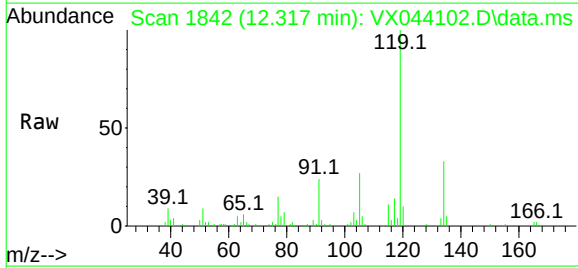
Tgt Ion: 91 Resp: 5728

Ion Ratio Lower Upper

91 100

92 21.1 26.6 79.8#

134 116.0 12.4 37.2#



#95

Naphthalene

Concen: 780.590 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX044102.D

Acq: 03 Dec 2024 18:46

Tgt Ion:128 Resp: 4742702

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.2

129 11.4 8.6 12.8

