

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072423\  
 Data File : VY014778.D  
 Acq On : 24 Jul 2023 17:29  
 Operator : SY/MD  
 Sample : 03719-02  
 Misc : 5.03g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 B-P11B

Quant Time: Jul 25 01:30:54 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071323S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 14 02:09:50 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.783  | 168  | 16369    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 23994    | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 17705    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 6332     | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.137  | 65    | 6672     | 35.769   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 71.540% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 5319     | 34.824   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 69.640% |
| 50) Toluene-d8              | 10.179 | 98    | 27480    | 48.800   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 97.600% |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 6991     | 32.377   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 64.760% |

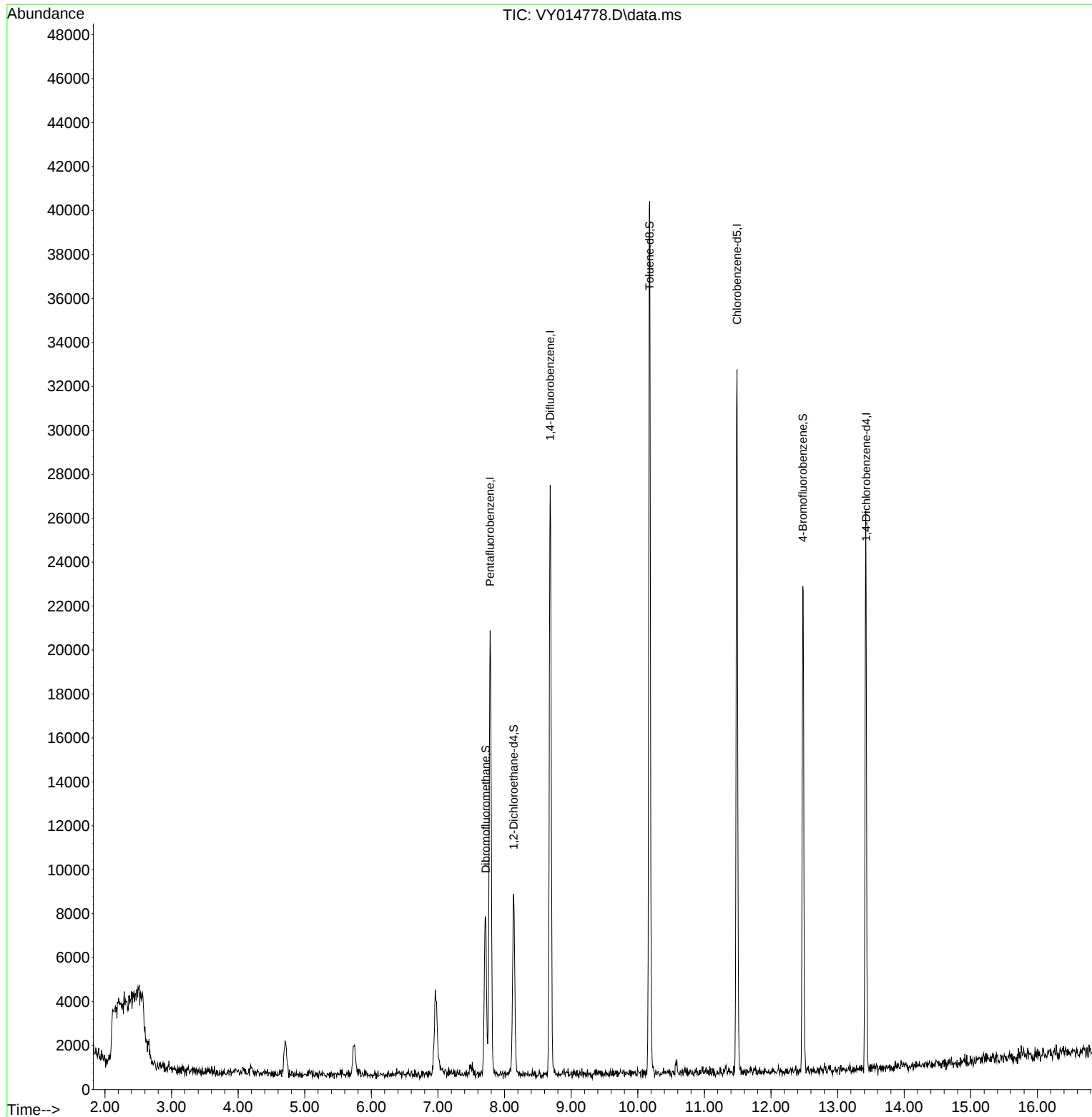
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

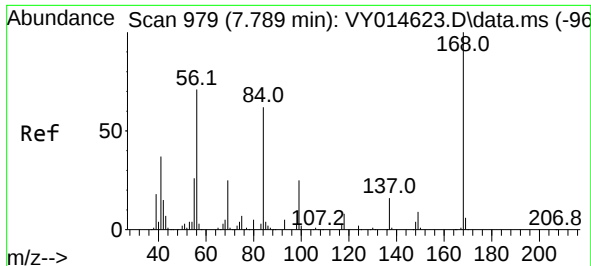
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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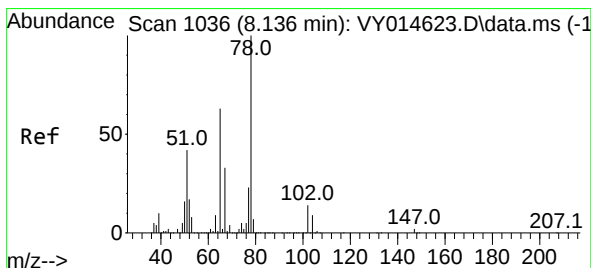
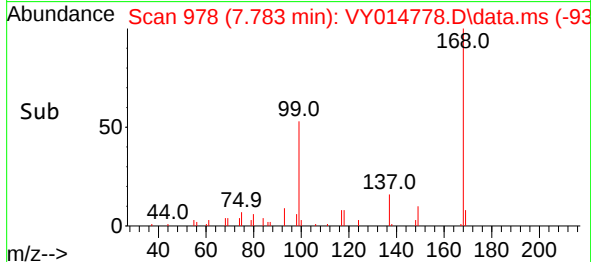
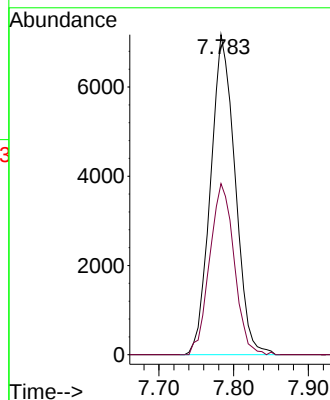
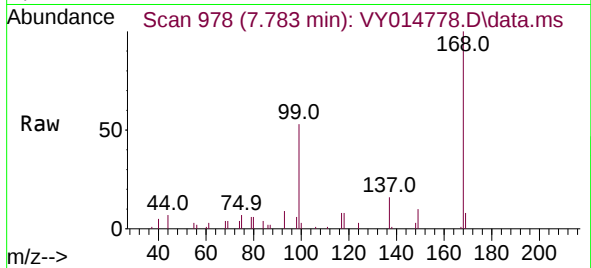




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY014778.D  
Acq: 24 Jul 2023 17:29

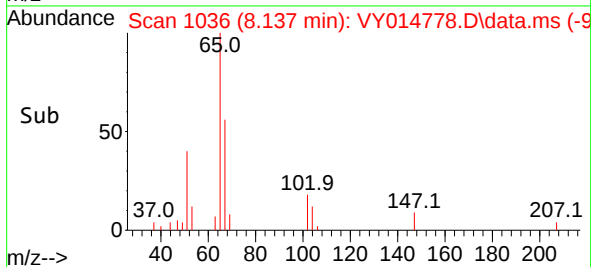
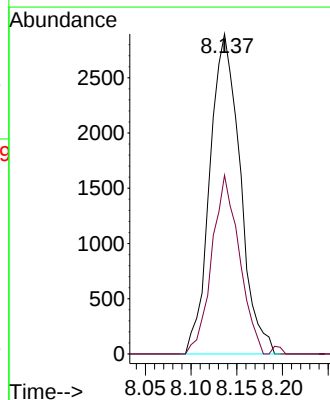
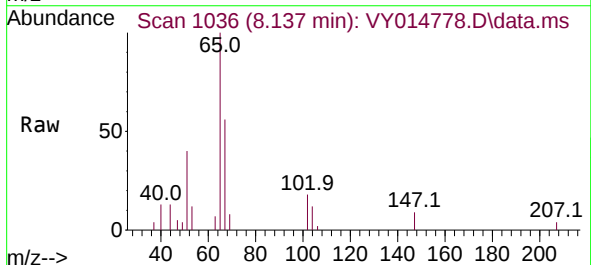
Instrument :  
MSVOA\_Y  
ClientSampleId :  
B-P11B

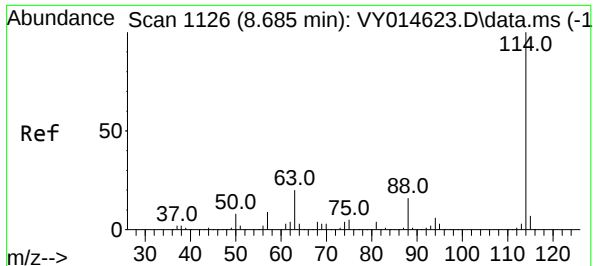
Tgt Ion:168 Resp: 16369  
Ion Ratio Lower Upper  
168 100  
99 53.4 43.4 65.0



#33  
1,2-Dichloroethane-d4  
Concen: 35.769 ug/l  
RT: 8.137 min Scan# 1036  
Delta R.T. 0.001 min  
Lab File: VY014778.D  
Acq: 24 Jul 2023 17:29

Tgt Ion: 65 Resp: 6672  
Ion Ratio Lower Upper  
65 100  
67 50.7 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY014778.D

Acq: 24 Jul 2023 17:29

Instrument :

MSVOA\_Y

ClientSampleId :

B-P11B

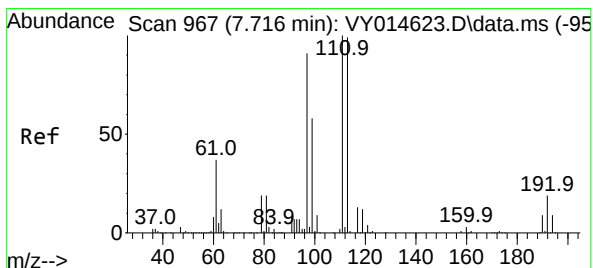
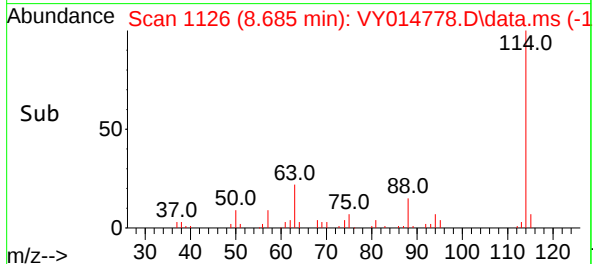
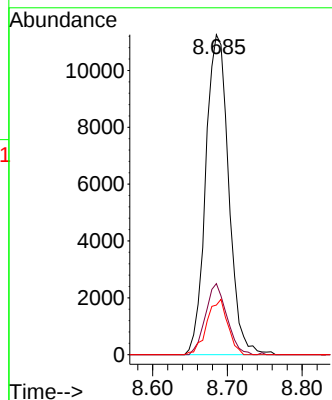
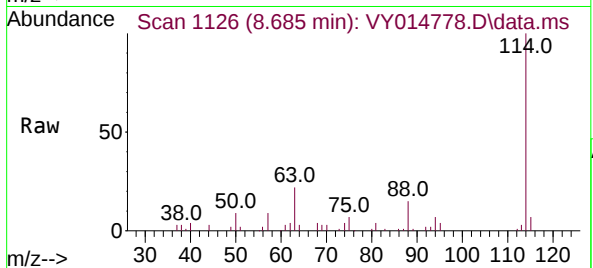
Tgt Ion:114 Resp: 23994

Ion Ratio Lower Upper

114 100

63 22.2 0.0 42.4

88 15.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 34.824 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014778.D

Acq: 24 Jul 2023 17:29

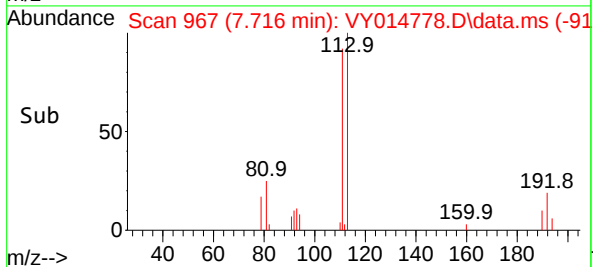
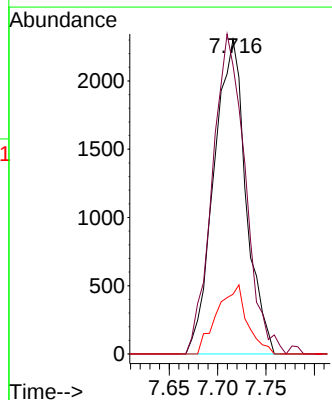
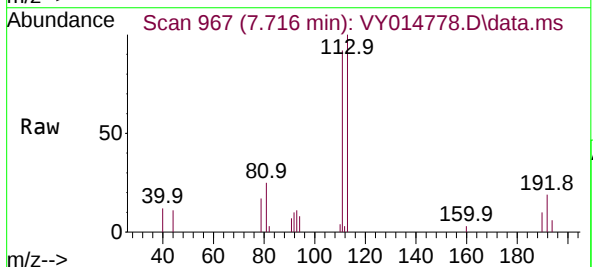
Tgt Ion:113 Resp: 5319

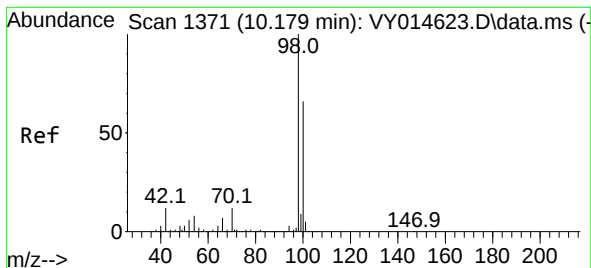
Ion Ratio Lower Upper

113 100

111 103.8 81.3 121.9

192 20.6 16.9 25.3





#50

Toluene-d8

Concen: 48.800 ug/l

RT: 10.179 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY014778.D

Acq: 24 Jul 2023 17:29

Instrument :

MSVOA\_Y

ClientSampleId :

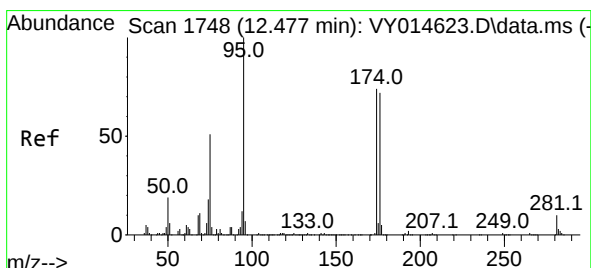
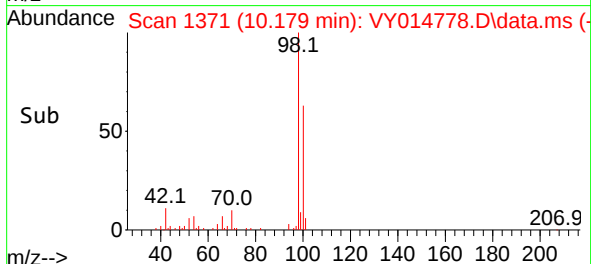
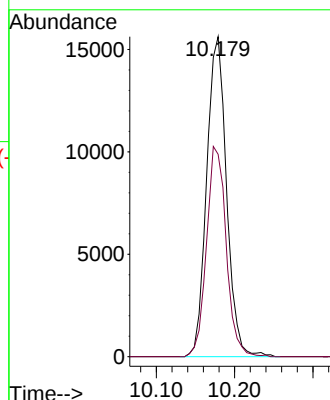
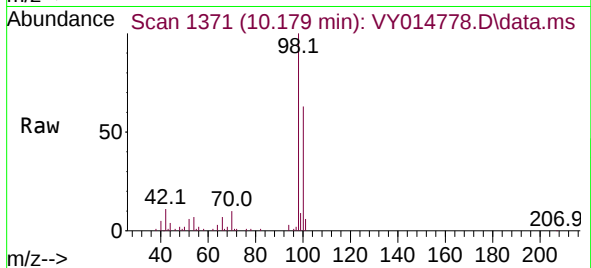
B-P11B

Tgt Ion: 98 Resp: 27480

Ion Ratio Lower Upper

98 100

100 65.1 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 32.377 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY014778.D

Acq: 24 Jul 2023 17:29

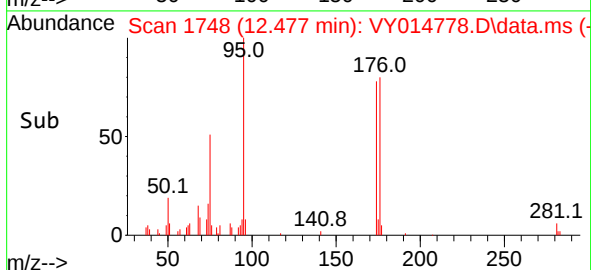
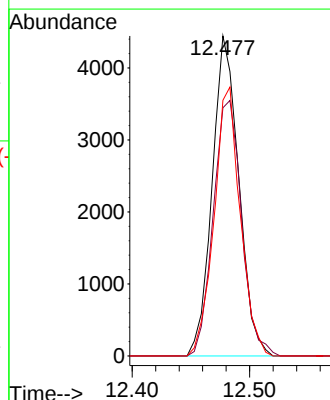
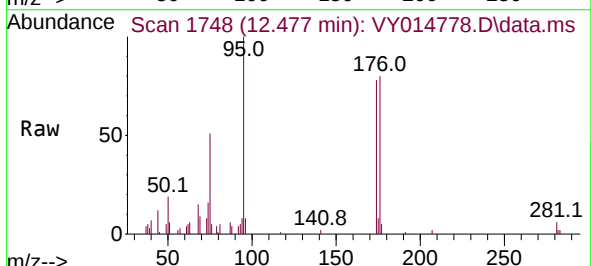
Tgt Ion: 95 Resp: 6991

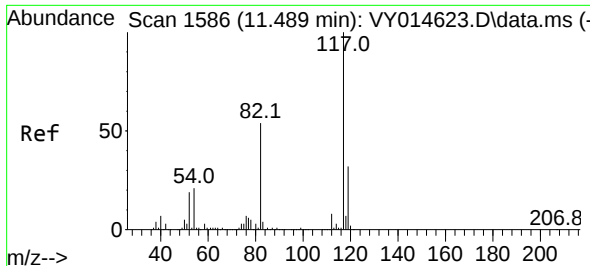
Ion Ratio Lower Upper

95 100

174 84.9 0.0 178.2

176 82.8 0.0 173.8

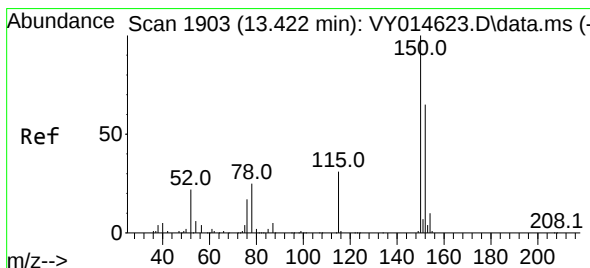
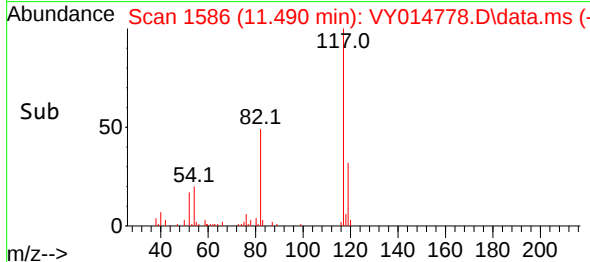
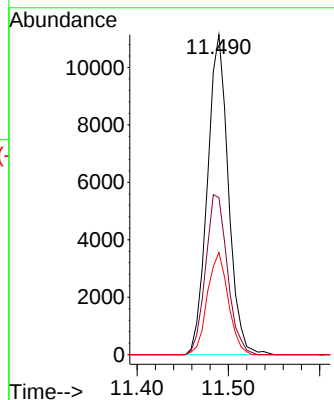
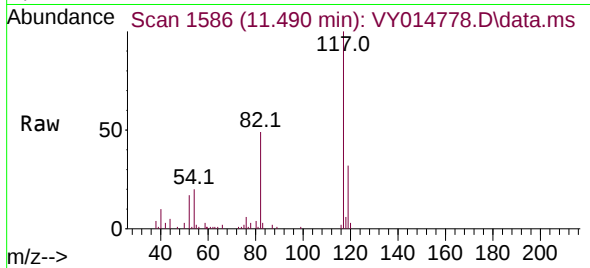




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VY014778.D  
Acq: 24 Jul 2023 17:29

Instrument :  
MSVOA\_Y  
ClientSampleId :  
B-P11B

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 17705 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 49.1  | 43.4  | 65.0  |
| 119      | 32.0  | 26.3  | 39.5  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.006 min  
Lab File: VY014778.D  
Acq: 24 Jul 2023 17:29

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 6332  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 61.2  | 28.8  | 86.5  |
| 150      | 161.1 | 0.0   | 348.8 |

