

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD071823\  
 Data File : VD076780.D  
 Acq On : 18 Jul 2023 16:14  
 Operator : KP/SY  
 Sample : 03639-21  
 Misc : 4.99G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP5

Quant Time: Jul 19 06:45:04 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D071423S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 17 08:07:52 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 148413   | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 351080   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 332434   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 144487   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 97977    | 66.280   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 132.560% |
| 35) Dibromofluoromethane    | 7.804  | 113   | 118377   | 53.656   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 107.320% |
| 50) Toluene-d8              | 10.269 | 98    | 442271   | 56.037   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 112.080% |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 125040   | 48.974   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 97.940%  |

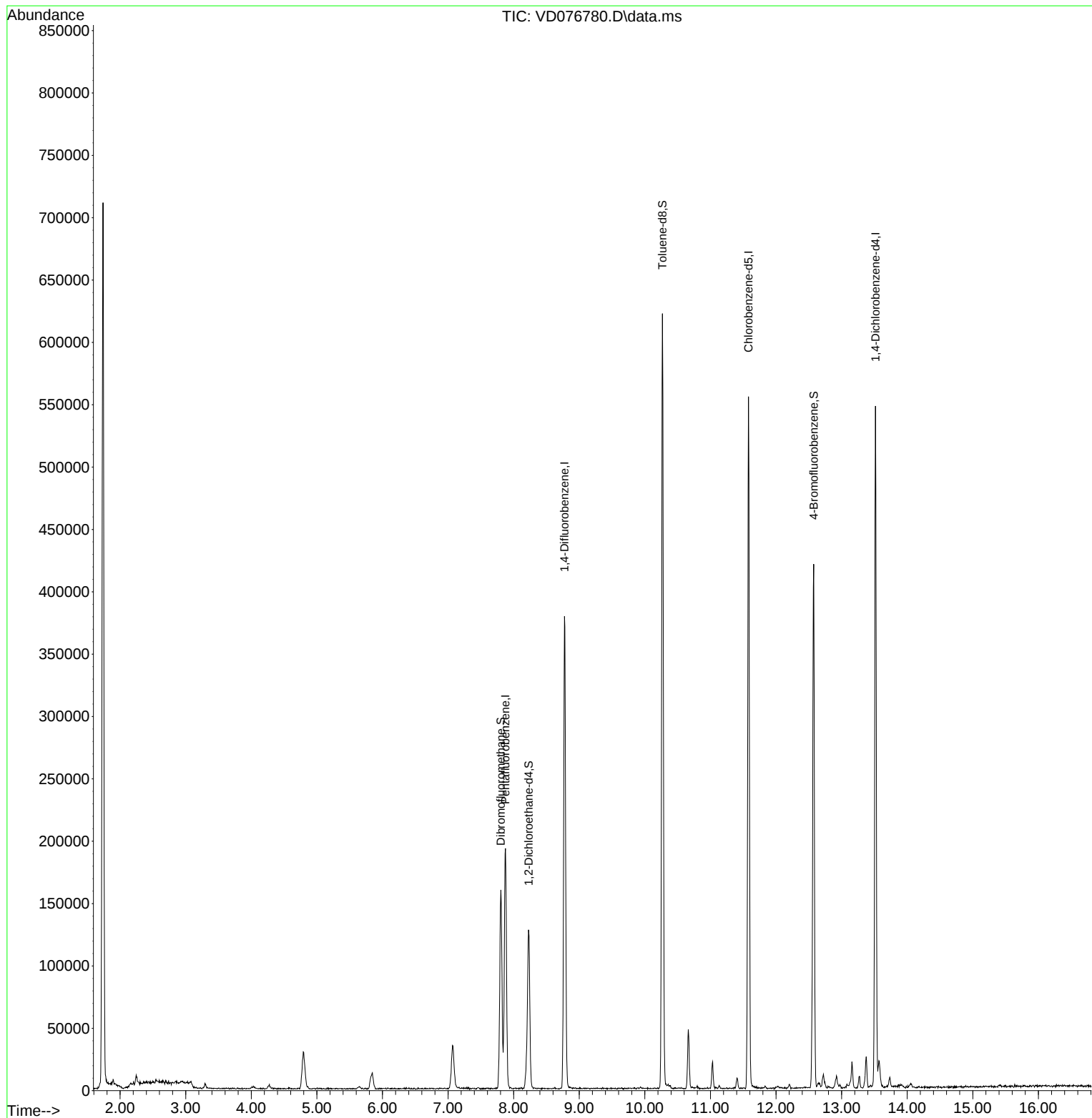
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

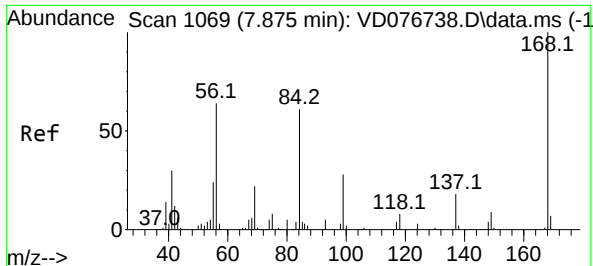
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jul 17 08:07:52 2023  
Response via : Initial Calibration

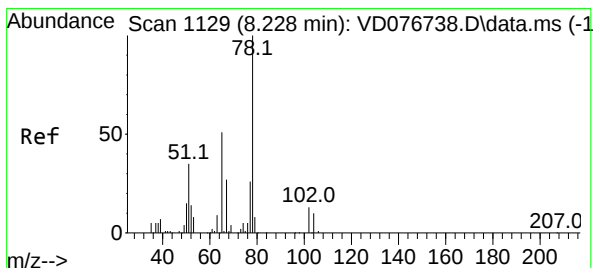
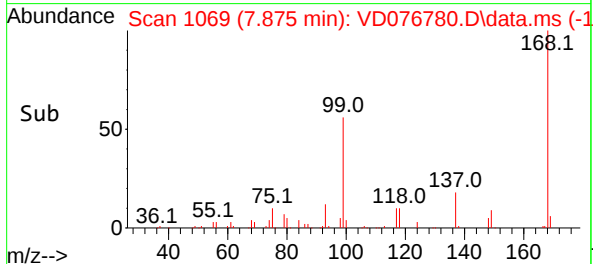
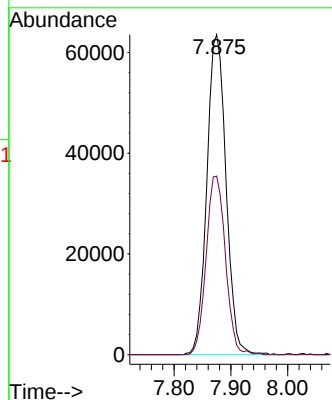
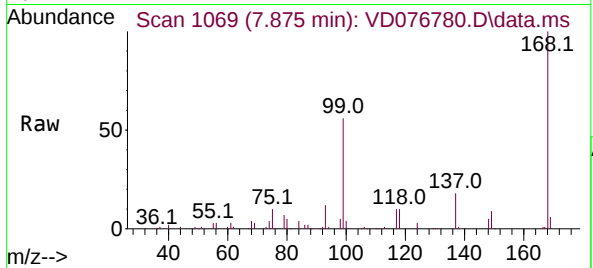




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD076780.D  
Acq: 18 Jul 2023 16:14

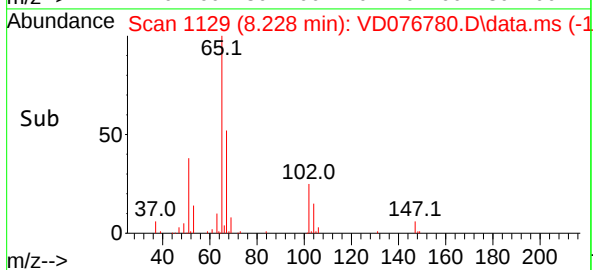
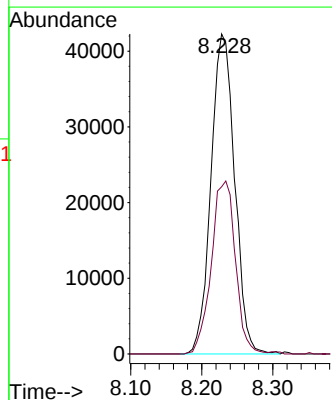
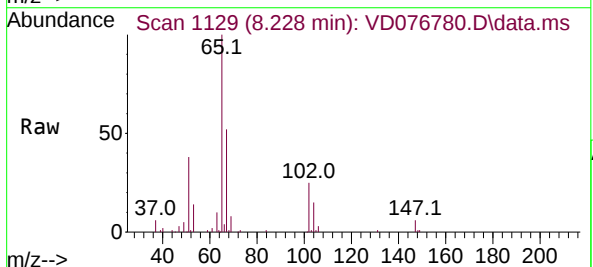
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP5

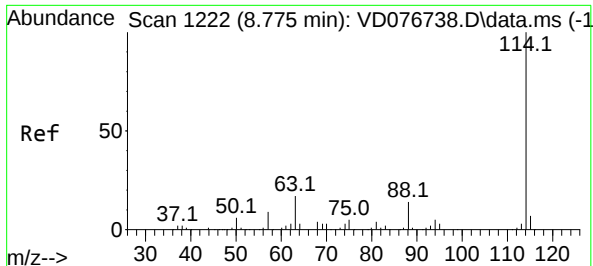
Tgt Ion:168 Resp: 148413  
Ion Ratio Lower Upper  
168 100  
99 55.8 36.7 55.1#



#33  
1,2-Dichloroethane-d4  
Concen: 66.280 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. -0.000 min  
Lab File: VD076780.D  
Acq: 18 Jul 2023 16:14

Tgt Ion: 65 Resp: 97977  
Ion Ratio Lower Upper  
65 100  
67 54.8 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD076780.D

Acq: 18 Jul 2023 16:14

Instrument :

MSVOA\_D

ClientSampleId :

TP5

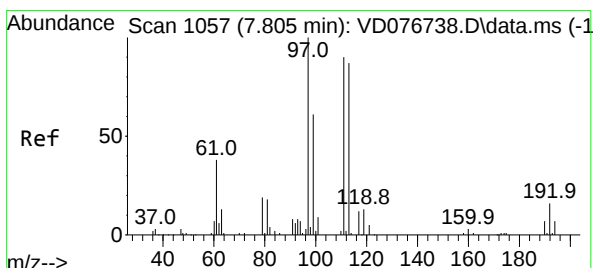
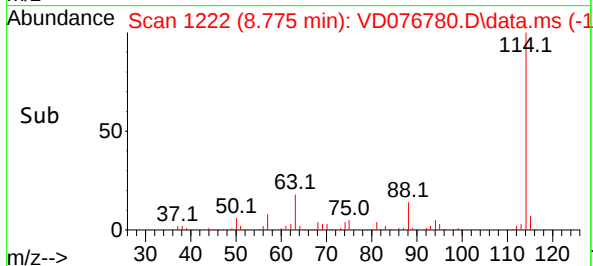
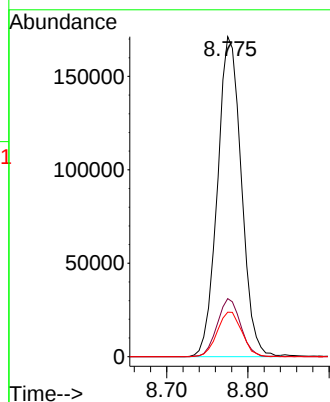
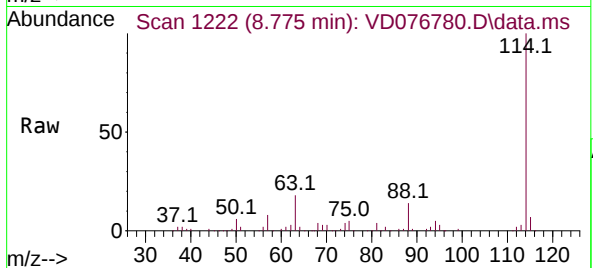
Tgt Ion:114 Resp: 351080

Ion Ratio Lower Upper

114 100

63 18.2 0.0 33.4

88 13.9 0.0 26.2



#35

Dibromofluoromethane

Concen: 53.656 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076780.D

Acq: 18 Jul 2023 16:14

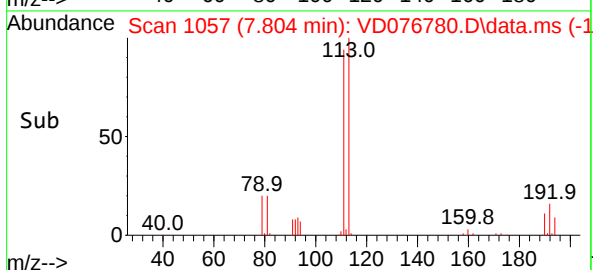
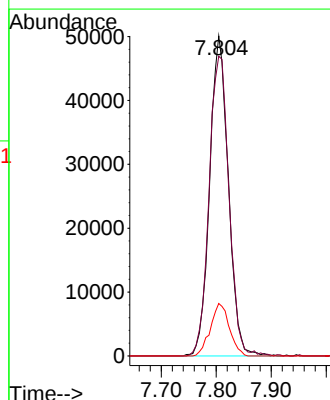
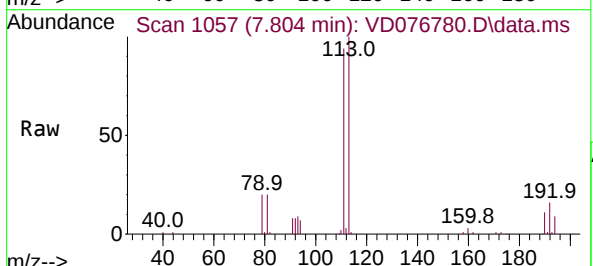
Tgt Ion:113 Resp: 118377

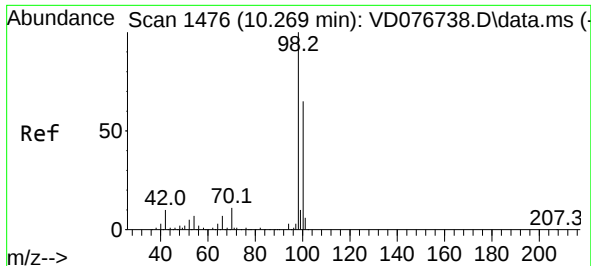
Ion Ratio Lower Upper

113 100

111 99.9 84.7 127.1

192 16.6 16.8 25.2#

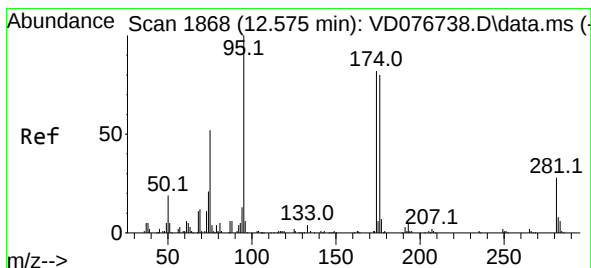
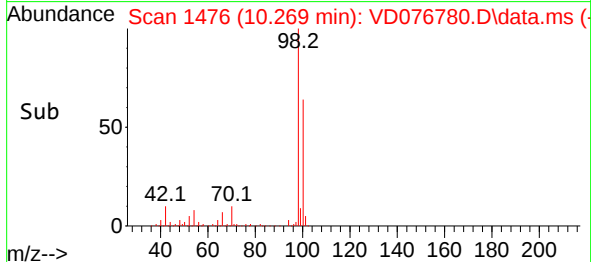
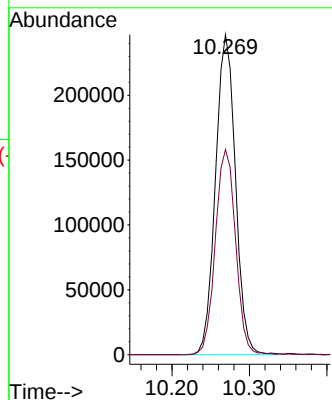
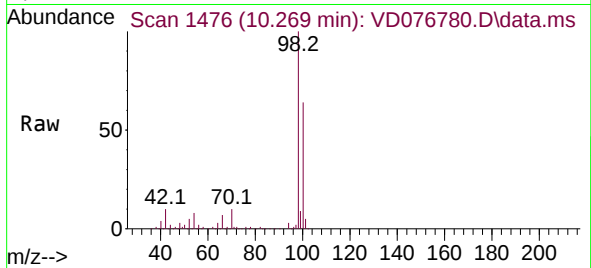




#50  
Toluene-d8  
Concen: 56.037 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD076780.D  
Acq: 18 Jul 2023 16:14

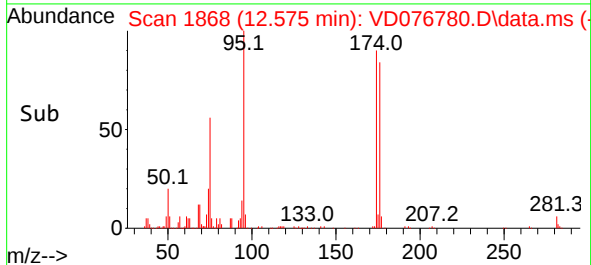
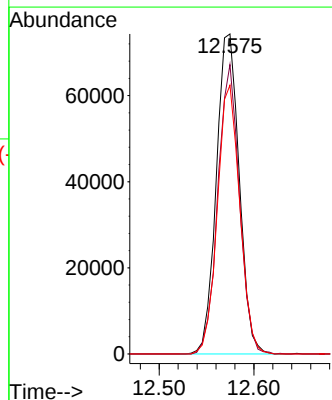
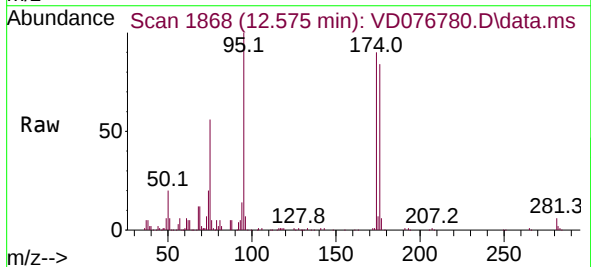
Instrument :  
MSVOA\_D  
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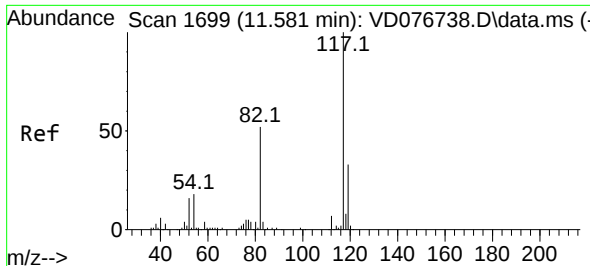
Tgt Ion: 98 Resp: 442271  
Ion Ratio Lower Upper  
98 100  
100 65.2 50.3 75.5



#62  
4-Bromofluorobenzene  
Concen: 48.974 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD076780.D  
Acq: 18 Jul 2023 16:14

Tgt Ion: 95 Resp: 125040  
Ion Ratio Lower Upper  
95 100  
174 85.0 0.0 201.8  
176 82.1 0.0 191.8

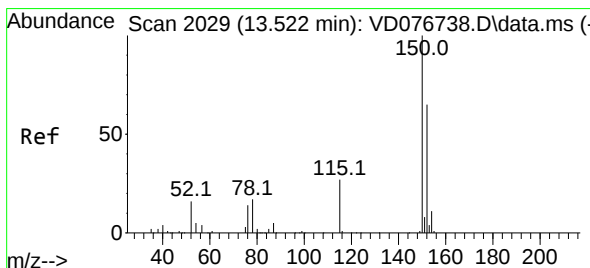
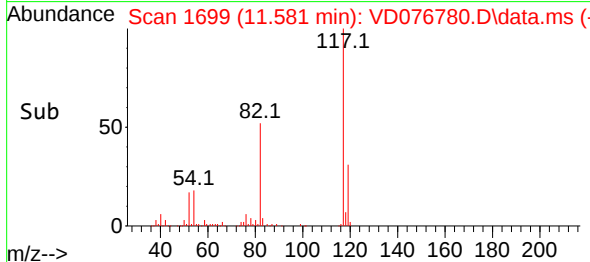
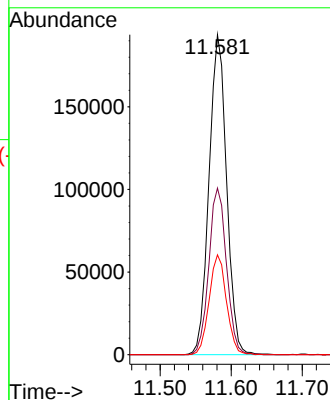
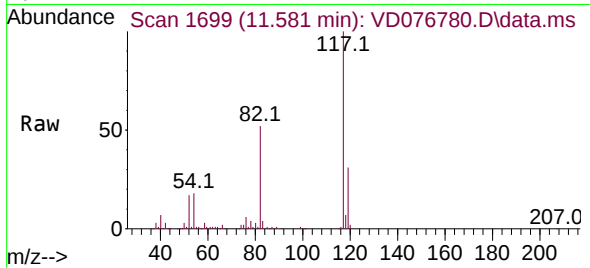




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1171  
Delta R.T. -0.000 min  
Lab File: VD076780.D  
Acq: 18 Jul 2023 16:14

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP5

Tgt Ion:117 Resp: 332434  
Ion Ratio Lower Upper  
117 100  
82 52.0 38.3 57.5  
119 31.2 25.0 37.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. -0.006 min  
Lab File: VD076780.D  
Acq: 18 Jul 2023 16:14

Tgt Ion:152 Resp: 144487  
Ion Ratio Lower Upper  
152 100  
115 57.4 27.1 81.3  
150 154.4 0.0 353.6

