

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD011124\  
 Data File : VD078144.D  
 Acq On : 11 Jan 2024 10:32  
 Operator : RP/MD  
 Sample : VD0111SBL01  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0111SBL01

Quant Time: Jan 12 00:34:36 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D010824S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 09 01:29:14 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.881  | 168  | 141769   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.781  | 114  | 285026   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 288945   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.522 | 152  | 129237   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 79595    | 53.329   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 106.660% |
| 35) Dibromofluoromethane    | 7.810  | 113   | 91424    | 44.506   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 89.020%  |
| 50) Toluene-d8              | 10.269 | 98    | 366353   | 53.179   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 106.360% |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 110989   | 46.281   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 92.560%  |

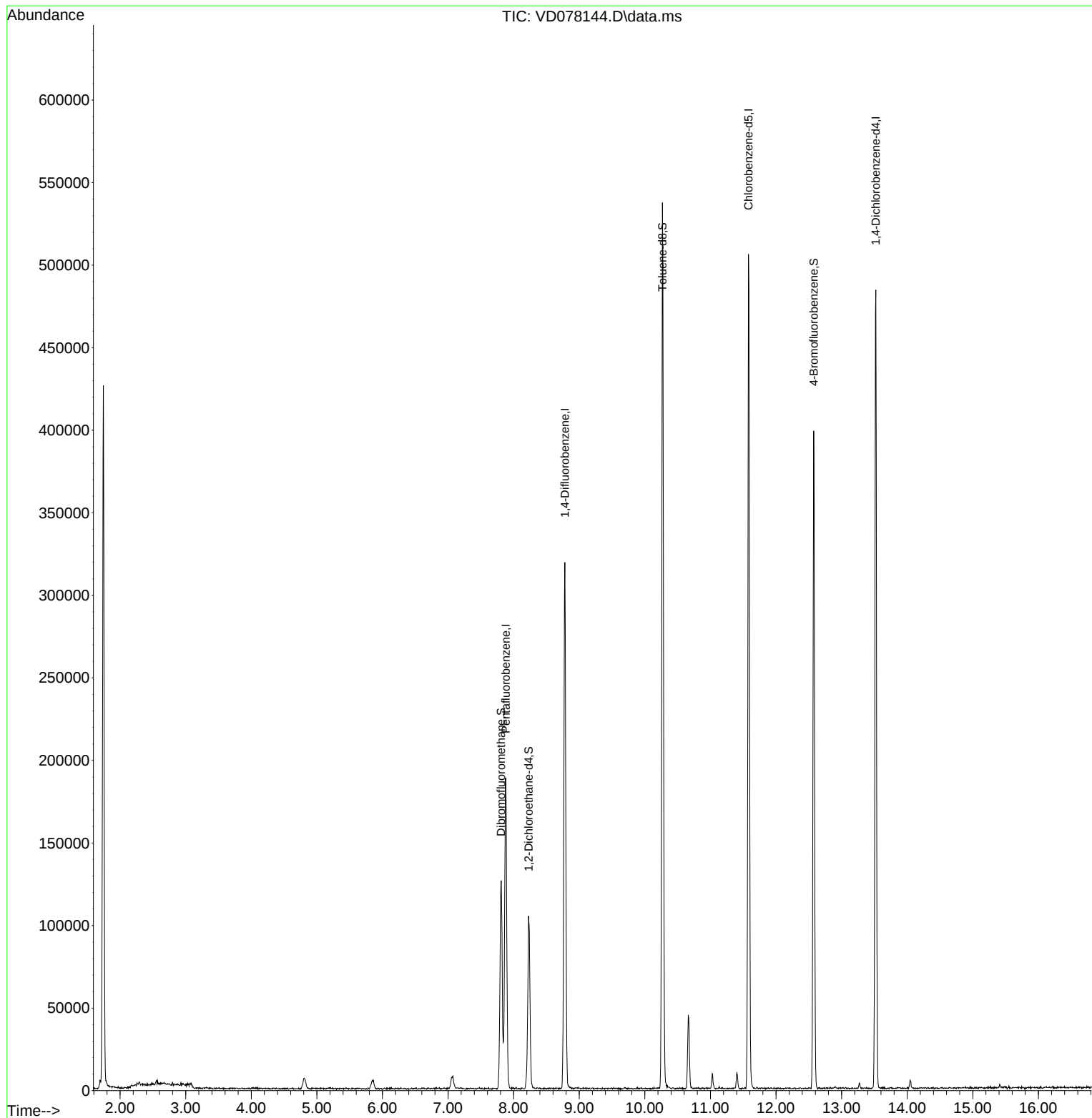
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

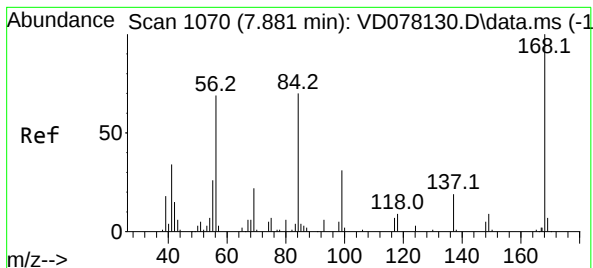
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VD0111SBL01  
Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0111SBL01

Quant Time: Jan 12 00:34:36 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D010824S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 09 01:29:14 2024  
Response via : Initial Calibration

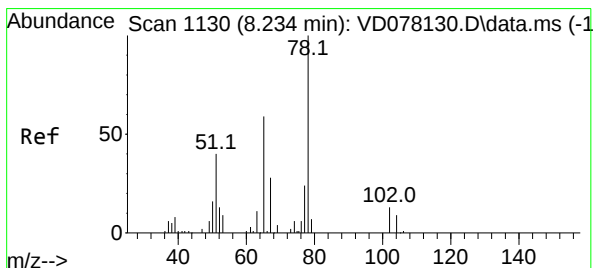
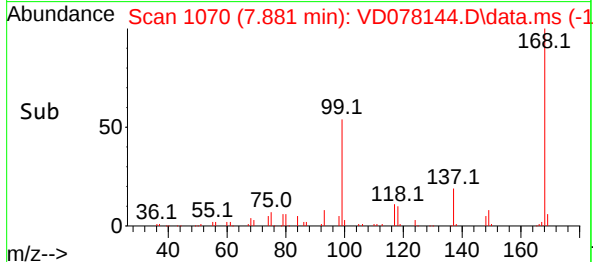
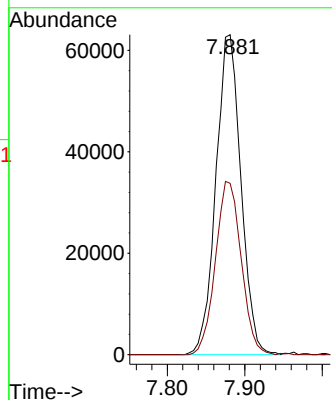
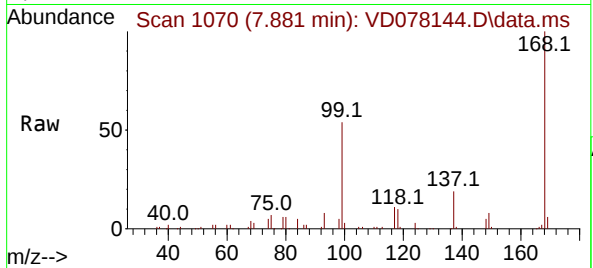




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.881 min Scan# 1129  
Delta R.T. -0.000 min  
Lab File: VD078144.D  
Acq: 11 Jan 2024 10:32

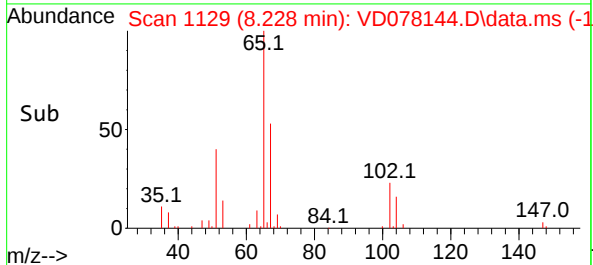
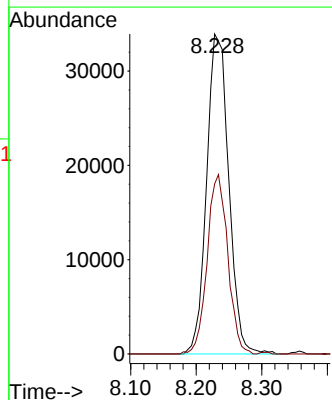
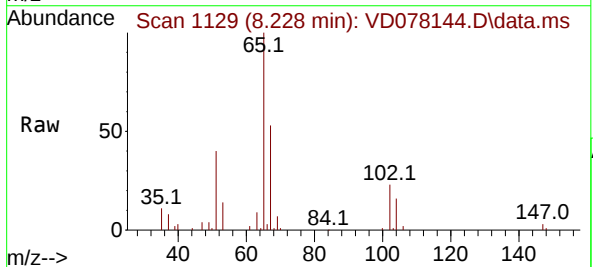
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0111SBL01

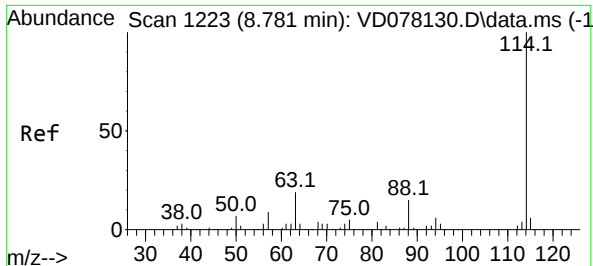
Tgt Ion:168 Resp: 141769  
Ion Ratio Lower Upper  
168 100  
99 53.5 36.7 55.1



#33  
1,2-Dichloroethane-d4  
Concen: 53.329 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. -0.006 min  
Lab File: VD078144.D  
Acq: 11 Jan 2024 10:32

Tgt Ion: 65 Resp: 79595  
Ion Ratio Lower Upper  
65 100  
67 52.2 0.0 115.0

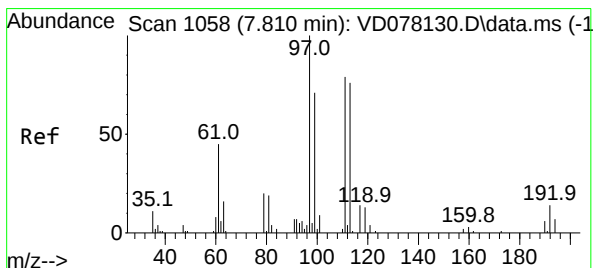
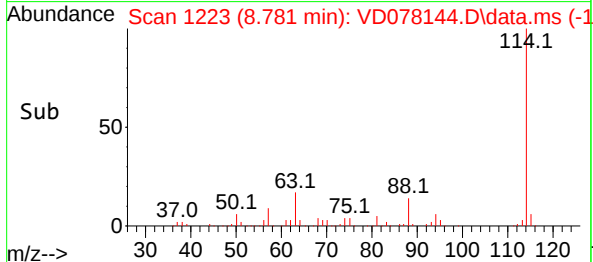
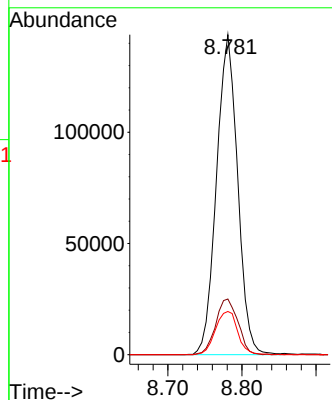
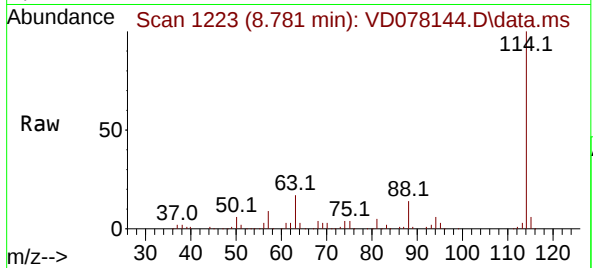




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.781 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD078144.D  
Acq: 11 Jan 2024 10:32

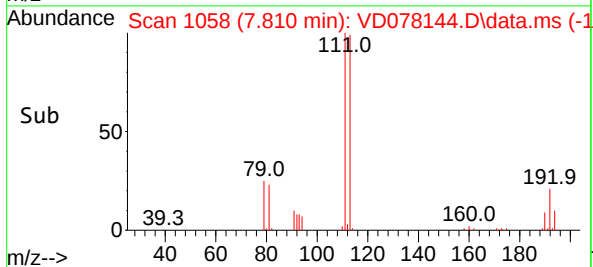
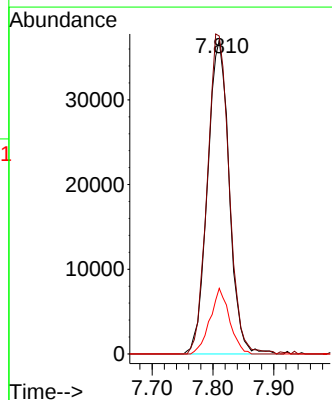
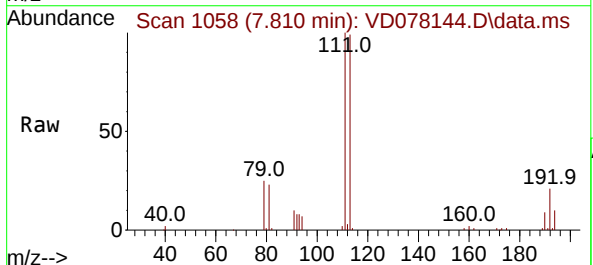
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0111SBL01

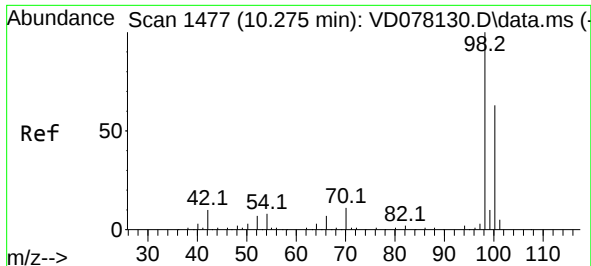
Tgt Ion:114 Resp: 285026  
Ion Ratio Lower Upper  
114 100  
63 17.4 0.0 33.4  
88 13.5 0.0 26.2



#35  
Dibromofluoromethane  
Concen: 44.506 ug/l  
RT: 7.810 min Scan# 1058  
Delta R.T. -0.000 min  
Lab File: VD078144.D  
Acq: 11 Jan 2024 10:32

Tgt Ion:113 Resp: 91424  
Ion Ratio Lower Upper  
113 100  
111 102.7 84.7 127.1  
192 18.8 16.8 25.2

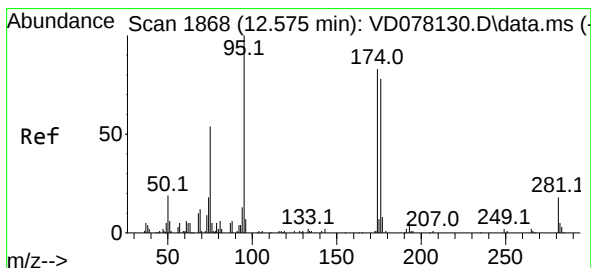
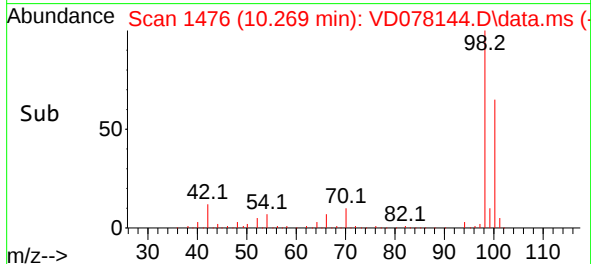
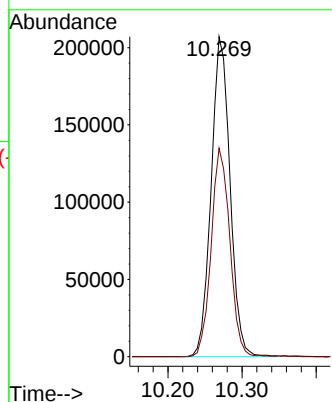
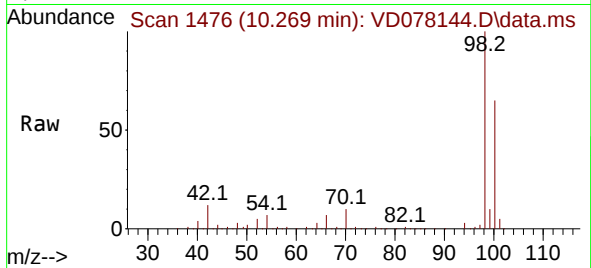




#50  
Toluene-d8  
Concen: 53.179 ug/l  
RT: 10.269 min Scan# 1477  
Delta R.T. -0.006 min  
Lab File: VD078144.D  
Acq: 11 Jan 2024 10:32

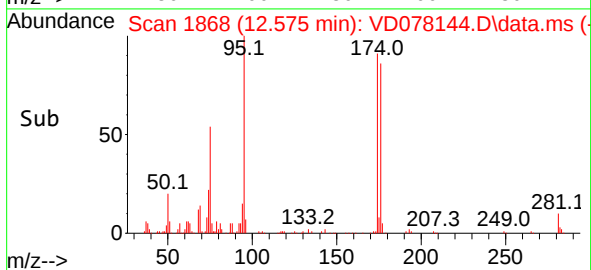
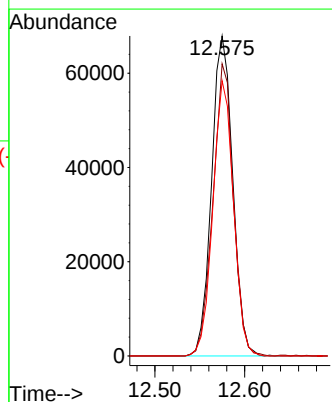
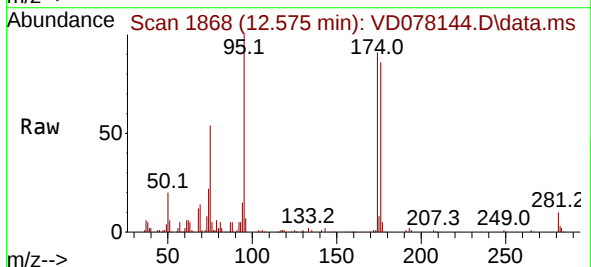
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0111SBL01

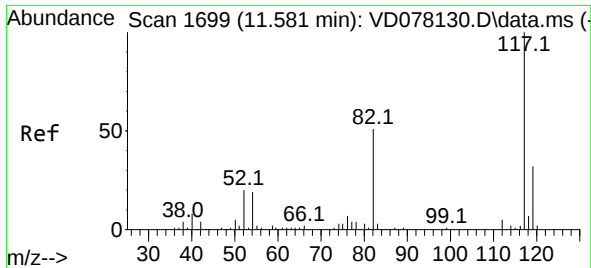
Tgt Ion: 98 Resp: 366353  
Ion Ratio Lower Upper  
98 100  
100 64.3 50.3 75.5



#62  
4-Bromofluorobenzene  
Concen: 46.281 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD078144.D  
Acq: 11 Jan 2024 10:32

Tgt Ion: 95 Resp: 110989  
Ion Ratio Lower Upper  
95 100  
174 88.5 0.0 201.8  
176 84.0 0.0 191.8

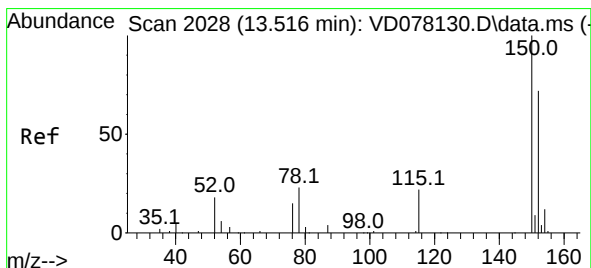
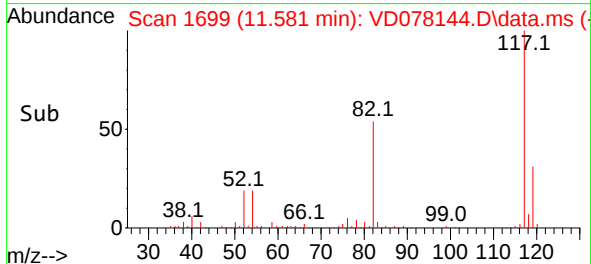
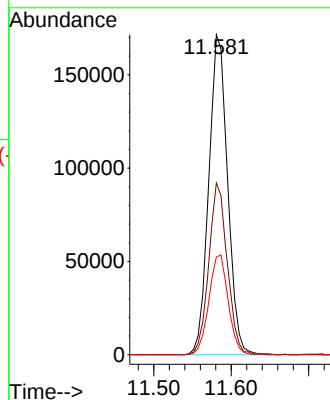
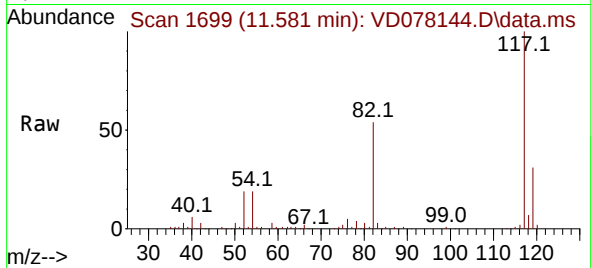




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VD078144.D  
Acq: 11 Jan 2024 10:32

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0111SBL01

Tgt Ion:117 Resp: 288945  
Ion Ratio Lower Upper  
117 100  
82 53.7 38.3 57.5  
119 30.5 25.0 37.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.522 min Scan# 2029  
Delta R.T. 0.006 min  
Lab File: VD078144.D  
Acq: 11 Jan 2024 10:32

Tgt Ion:152 Resp: 129237  
Ion Ratio Lower Upper  
152 100  
115 58.0 27.1 81.3  
150 156.0 0.0 353.6

