

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051921\  
 Data File : VD069193.D  
 Acq On : 19 May 2021 13:36  
 Operator : VA/SY  
 Sample : M2439-03  
 Misc : 6.42G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 RO-282

Quant Time: May 20 01:00:45 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051221S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 13 04:01:29 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) Pentafluorobenzene      | 7.979  | 168  | 210401   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.867  | 114  | 402640   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.644 | 117  | 365602   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.573 | 152  | 125342   | 50.00 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 146322   | 69.37    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 138.74% |
| 35) Dibromofluoromethane    | 7.920  | 113   | 147513   | 56.30    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 112.60% |
| 50) Toluene-d8              | 10.338 | 98    | 498263   | 51.75    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 103.50% |
| 62) 4-Bromofluorobenzene    | 12.632 | 95    | 145126   | 46.85    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 93.70%  |

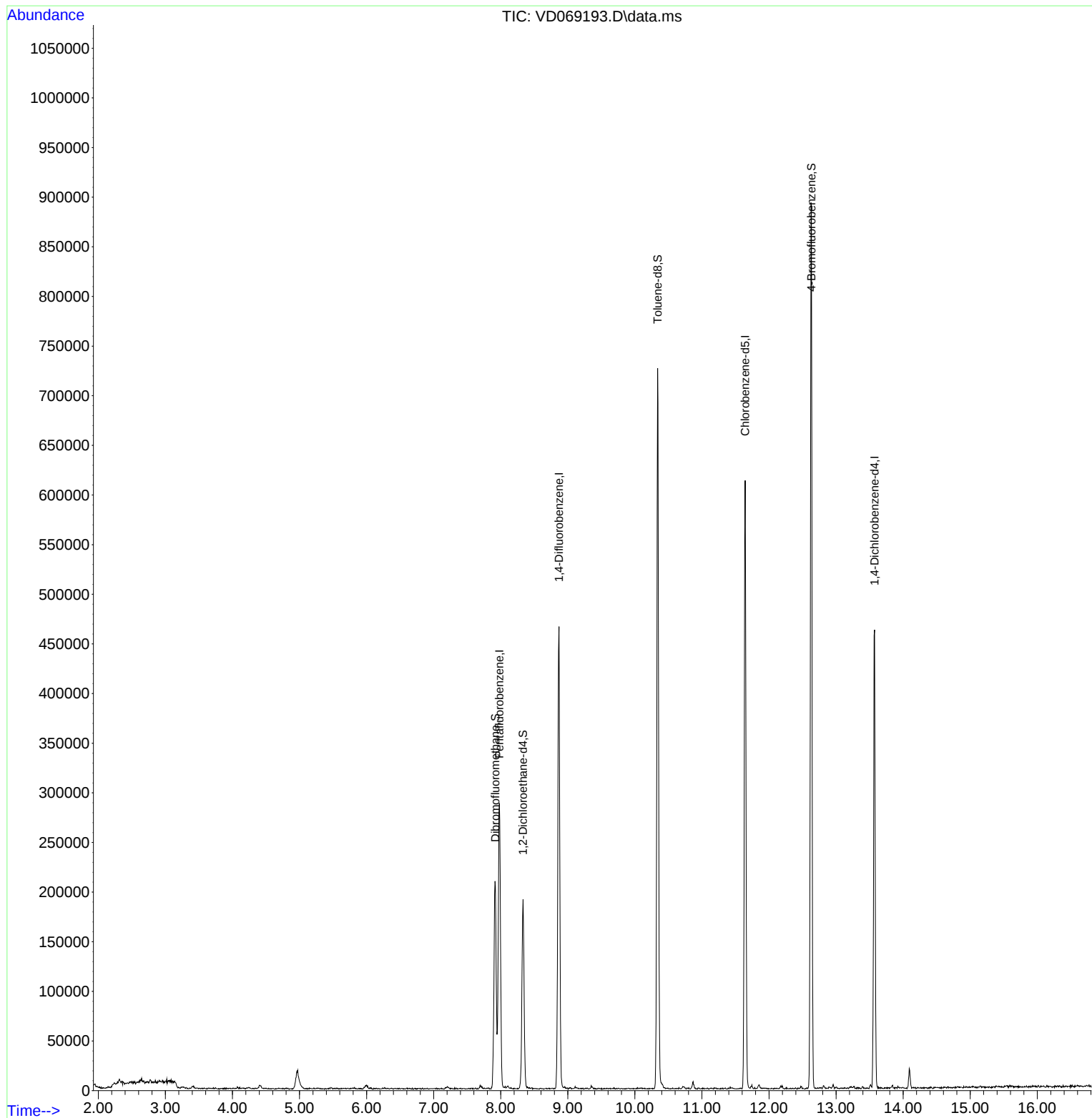
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

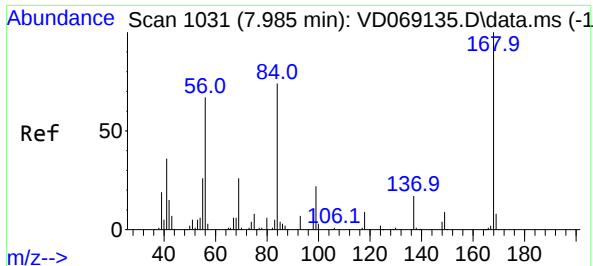
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : M2439-03  
Misc : 6.42G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
RO-282

Quant Time: May 20 01:00:45 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051221S.M  
Quant Title : SW846 8260  
QLast Update : Thu May 13 04:01:29 2021  
Response via : Initial Calibration

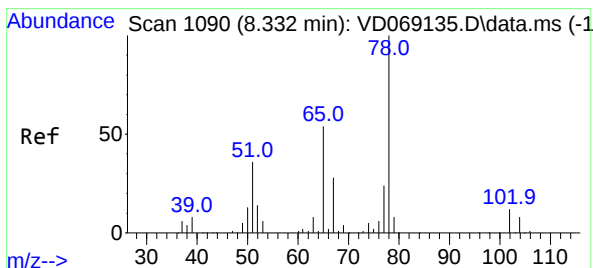
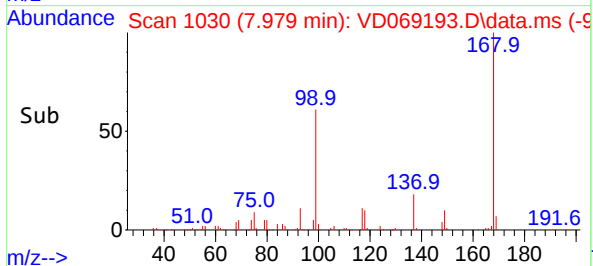
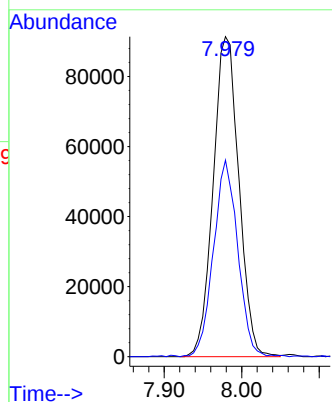
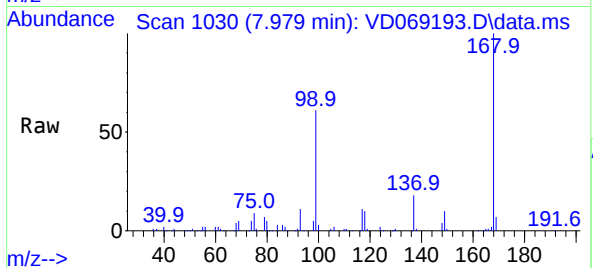




Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VD069193.D  
Acq: 19 May 2021 13:36

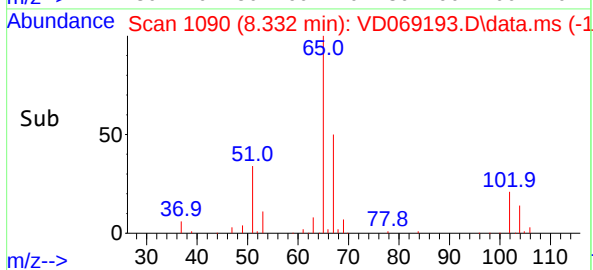
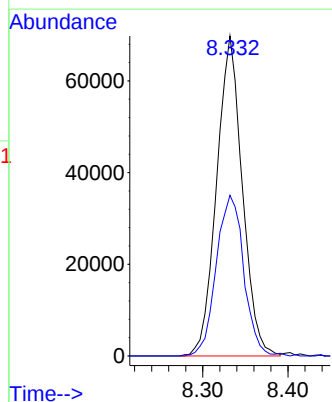
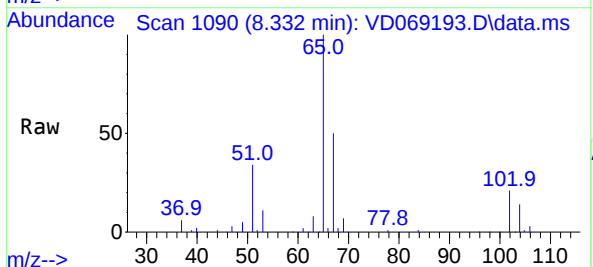
Instrument :  
MSVOA\_D  
ClientSampleId :  
RO-282

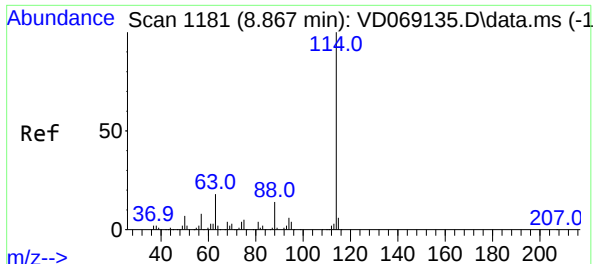
Tgt Ion:168 Resp: 210401  
Ion Ratio Lower Upper  
168 100  
99 61.4 47.2 70.8



1,2-Dichloroethane-d4  
Concen: 69.37 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. 0.000 min  
Lab File: VD069193.D  
Acq: 19 May 2021 13:36

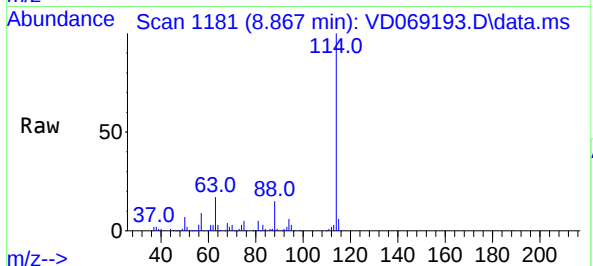
Tgt Ion: 65 Resp: 146322  
Ion Ratio Lower Upper  
65 100  
67 53.8 0.0 108.0



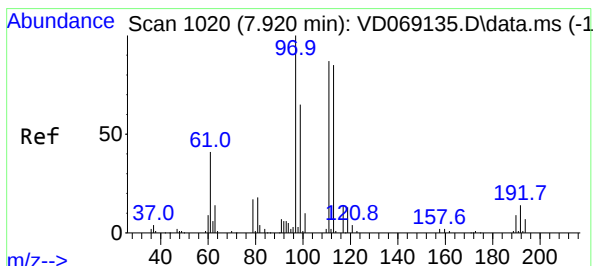
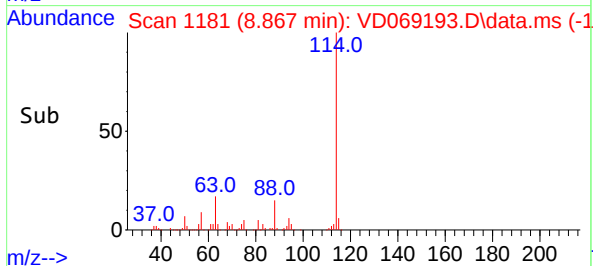
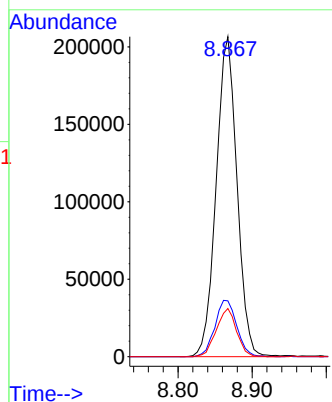


#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD069193.D  
Acq: 19 May 2021 13:36

Instrument :  
MSVOA\_D  
ClientSampled :  
RO-282

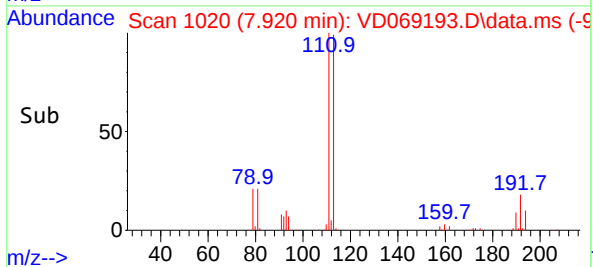
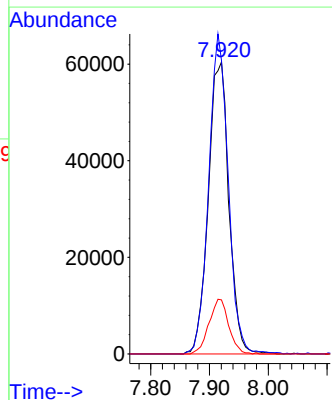
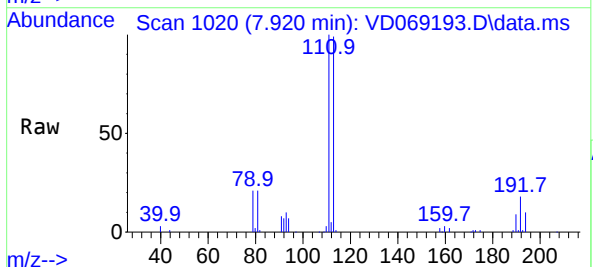


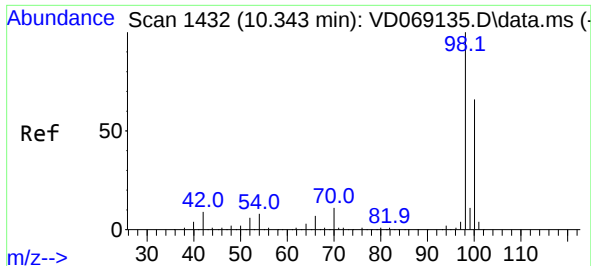
Tgt Ion:114 Resp: 402640  
Ion Ratio Lower Upper  
114 100  
63 17.4 0.0 36.4  
88 15.1 0.0 28.2



#35  
Dibromofluoromethane  
Concen: 56.30 ug/l  
RT: 7.920 min Scan# 1020  
Delta R.T. 0.000 min  
Lab File: VD069193.D  
Acq: 19 May 2021 13:36

Tgt Ion:113 Resp: 147513  
Ion Ratio Lower Upper  
113 100  
111 103.9 80.6 120.8  
192 18.0 14.8 22.2

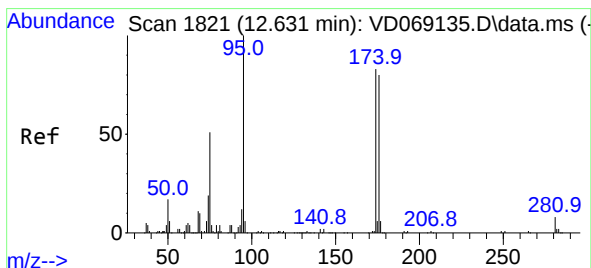
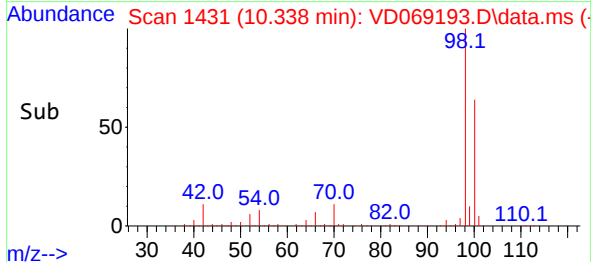
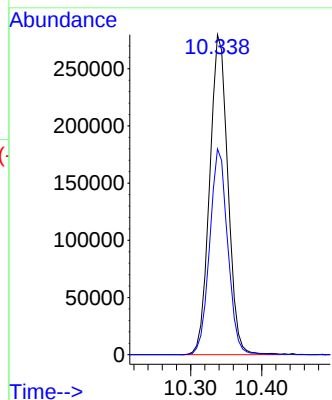
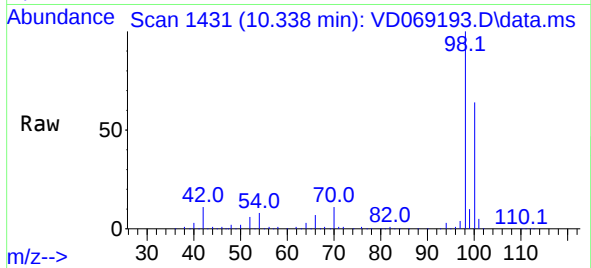




#50  
Toluene-d8  
Concen: 51.75 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.006 min  
Lab File: VD069193.D  
Acq: 19 May 2021 13:36

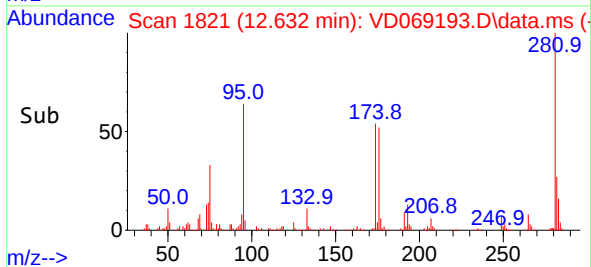
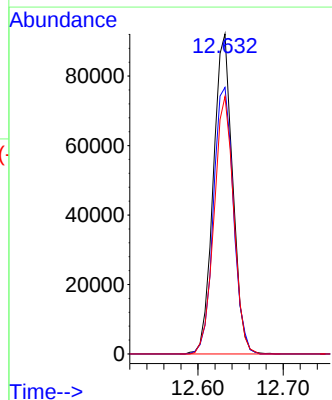
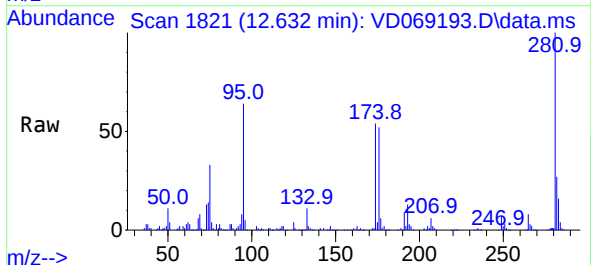
Instrument :  
MSVOA\_D  
ClientSampled :  
RO-282

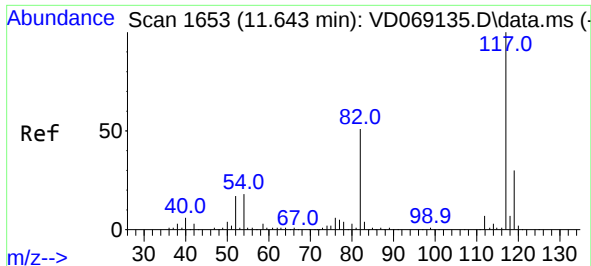
Tgt Ion: 98 Resp: 498263  
Ion Ratio Lower Upper  
98 100  
100 63.7 51.8 77.8



#62  
4-Bromofluorobenzene  
Concen: 46.85 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.000 min  
Lab File: VD069193.D  
Acq: 19 May 2021 13:36

Tgt Ion: 95 Resp: 145126  
Ion Ratio Lower Upper  
95 100  
174 86.1 0.0 171.8  
176 81.5 0.0 165.4

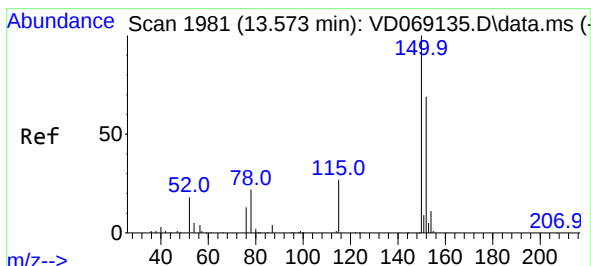
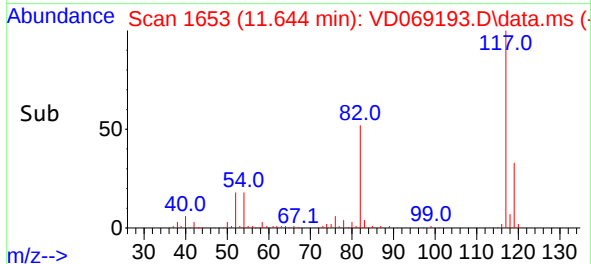
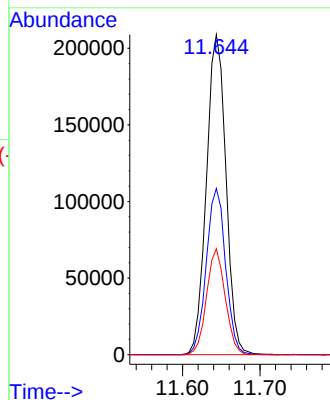
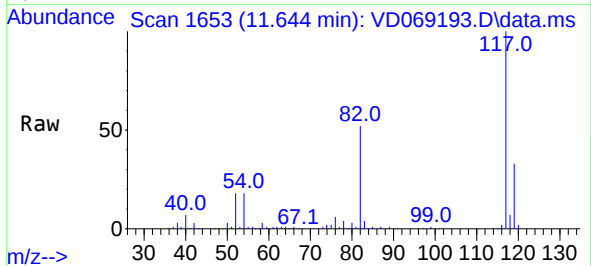




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.644 min Scan# 1653  
Delta R.T. 0.000 min  
Lab File: VD069193.D  
Acq: 19 May 2021 13:36

Instrument :  
MSVOA\_D  
ClientSampleId :  
RO-282

Tgt Ion:117 Resp: 365602  
Ion Ratio Lower Upper  
117 100  
82 52.0 40.5 60.7  
119 33.1 24.2 36.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.573 min Scan# 1981  
Delta R.T. 0.000 min  
Lab File: VD069193.D  
Acq: 19 May 2021 13:36

Tgt Ion:152 Resp: 125342  
Ion Ratio Lower Upper  
152 100  
115 56.5 29.9 89.8  
150 157.2 0.0 350.2

