

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD120121\  
 Data File : VD071109.D  
 Acq On : 01 Dec 2021 16:45  
 Operator : VA/SY  
 Sample : M4877-03  
 Misc : 4.99G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 PL-5-120121

Quant Time: Dec 02 03:15:24 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D112921S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Nov 29 17:54:09 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.979  | 168  | 252780   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.862  | 114  | 489799   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.638 | 117  | 510724   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.567 | 152  | 231346   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 148054   | 49.916   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 99.840%  |
| 35) Dibromofluoromethane    | 7.915  | 113   | 159577   | 51.163   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 102.320% |
| 50) Toluene-d8              | 10.338 | 98    | 643479   | 54.213   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 108.420% |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 243202   | 59.111   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 118.220% |

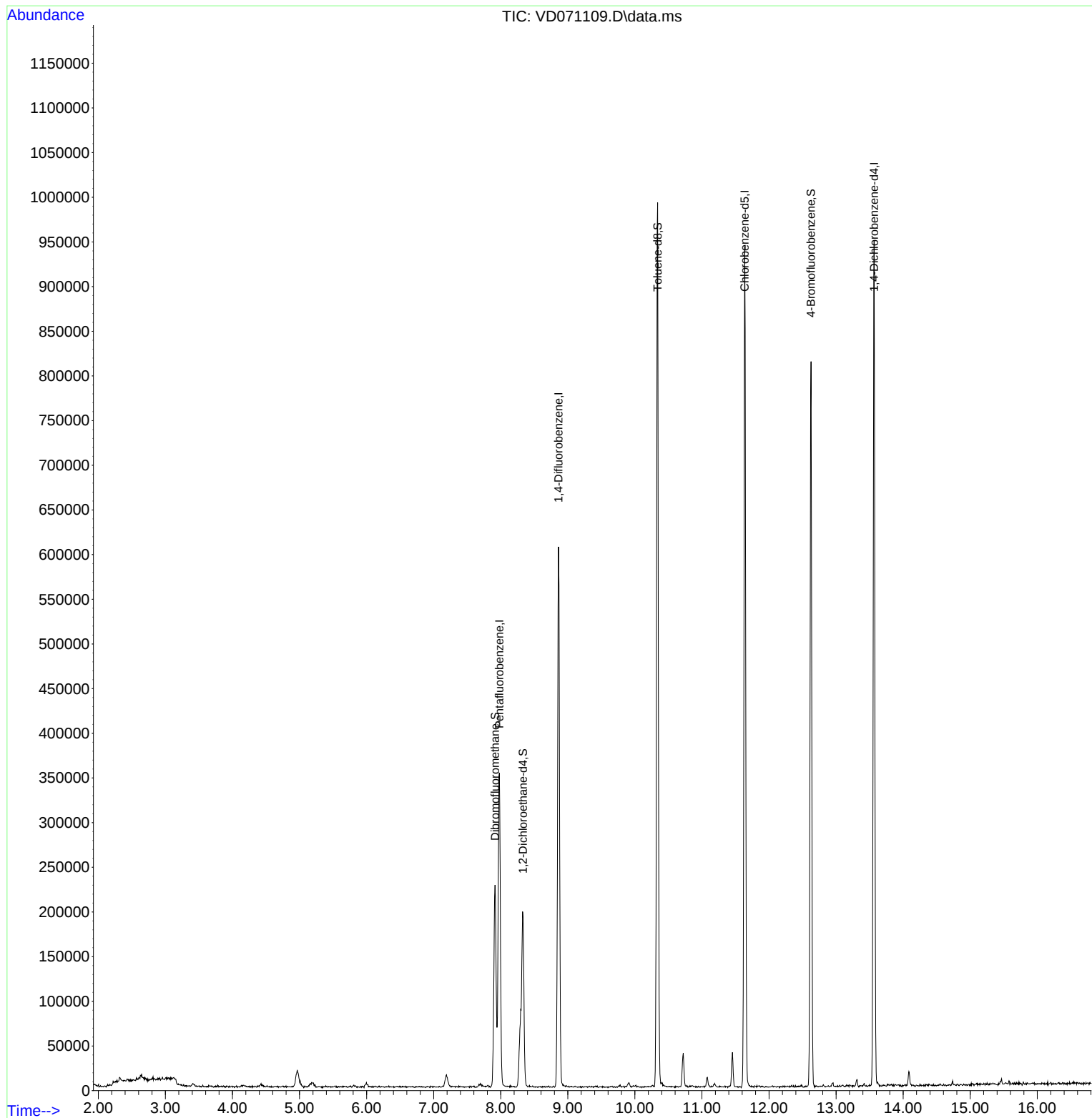
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

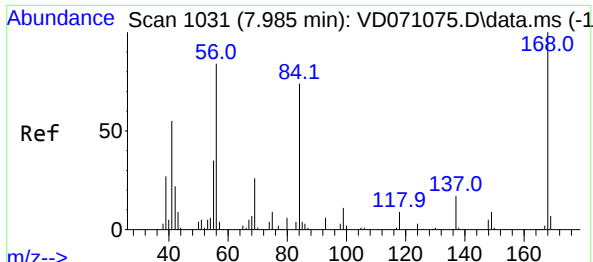
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD120121\  
Data File : VD071109.D  
Acq On : 01 Dec 2021 16:45  
Operator : VA/SY  
Sample : M4877-03  
Misc : 4.99G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
PL-5-120121

Quant Time: Dec 02 03:15:24 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D112921S.M  
Quant Title : SW846 8260  
QLast Update : Mon Nov 29 17:54:09 2021  
Response via : Initial Calibration

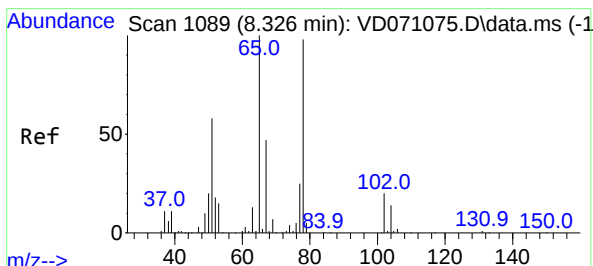
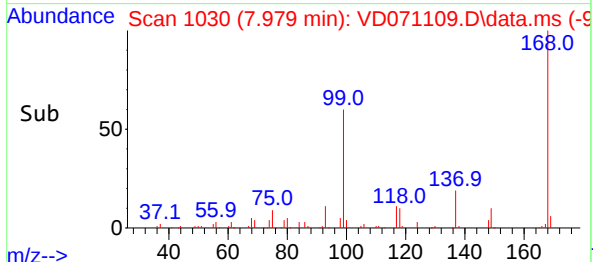
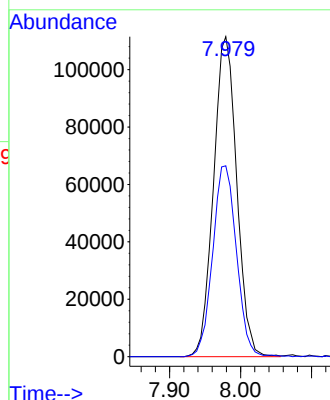
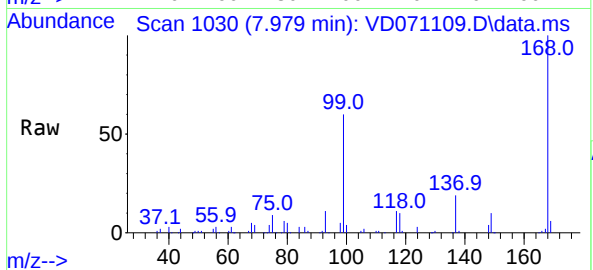




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VD071109.D  
Acq: 01 Dec 2021 16:45

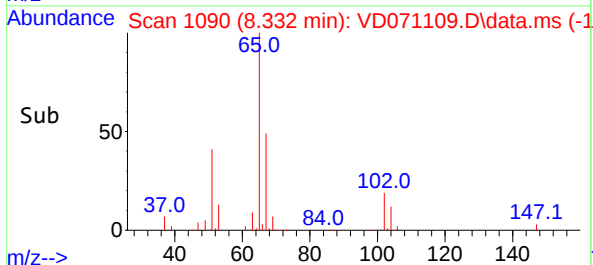
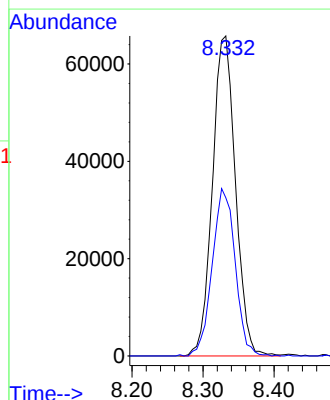
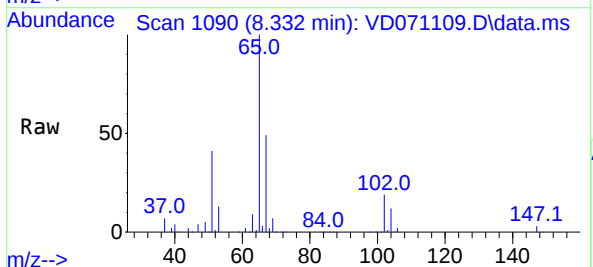
Instrument :  
MSVOA\_D  
ClientSampleId :  
PL-5-120121

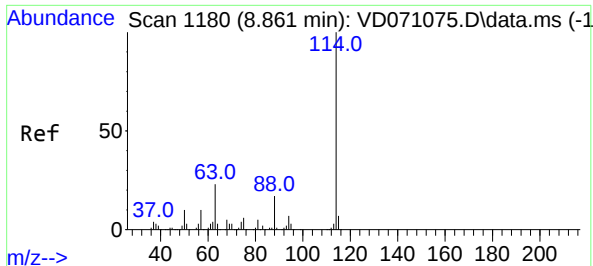
Tgt Ion:168 Resp: 252780  
Ion Ratio Lower Upper  
168 100  
99 59.6 46.6 69.8



#33  
1,2-Dichloroethane-d4  
Concen: 49.916 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. 0.006 min  
Lab File: VD071109.D  
Acq: 01 Dec 2021 16:45

Tgt Ion: 65 Resp: 148054  
Ion Ratio Lower Upper  
65 100  
67 52.2 0.0 112.2

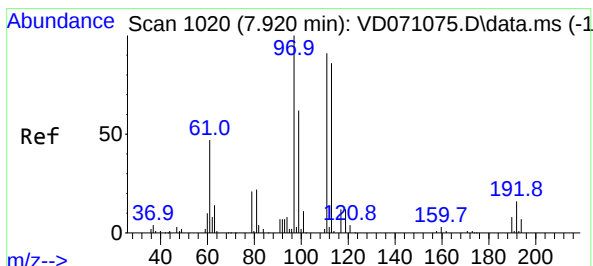
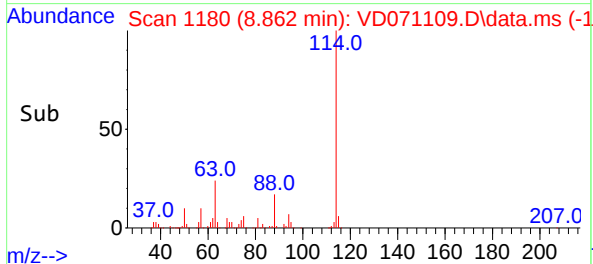
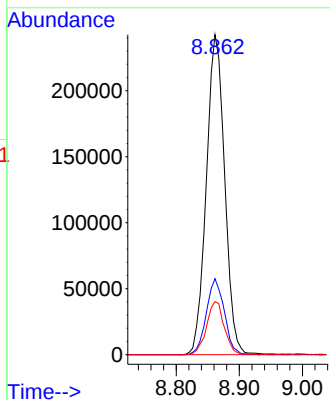
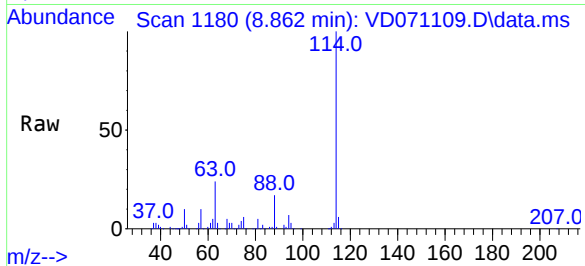




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.862 min Scan# 1180  
Delta R.T. 0.001 min  
Lab File: VD071109.D  
Acq: 01 Dec 2021 16:45

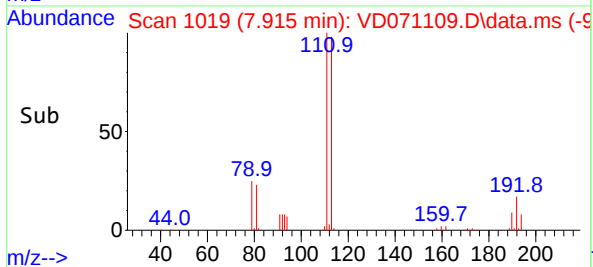
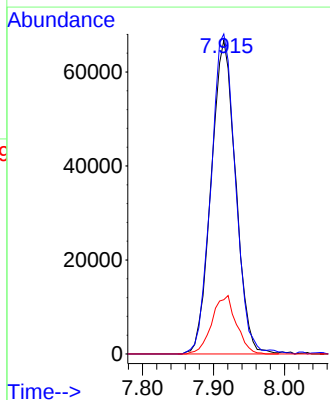
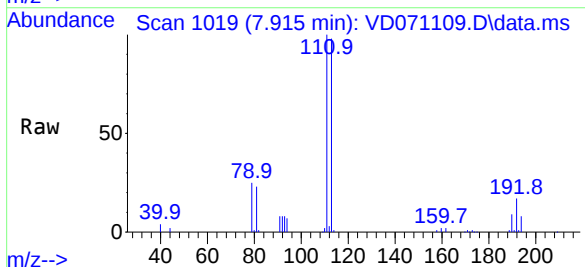
Instrument :  
MSVOA\_D  
ClientSampleId :  
PL-5-120121

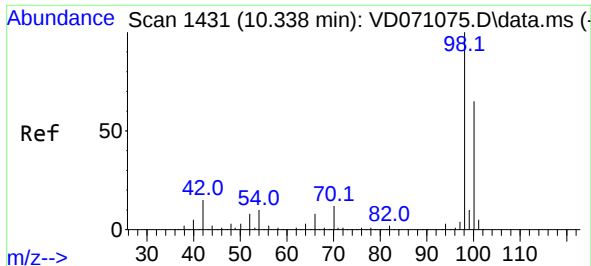
Tgt Ion:114 Resp: 489799  
Ion Ratio Lower Upper  
114 100  
63 23.8 0.0 41.8  
88 16.6 0.0 32.8



#35  
Dibromofluoromethane  
Concen: 51.163 ug/l  
RT: 7.915 min Scan# 1019  
Delta R.T. -0.005 min  
Lab File: VD071109.D  
Acq: 01 Dec 2021 16:45

Tgt Ion:113 Resp: 159577  
Ion Ratio Lower Upper  
113 100  
111 102.5 82.0 123.0  
192 18.5 15.2 22.8

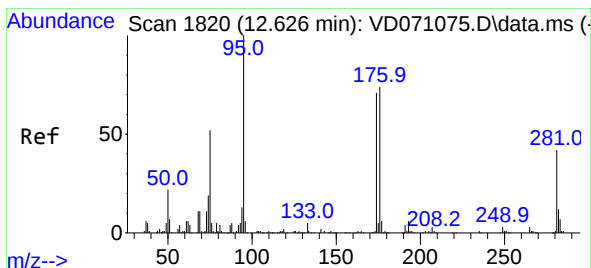
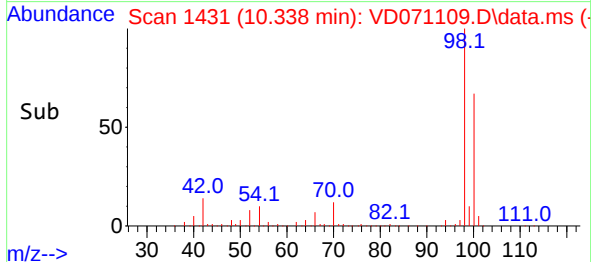
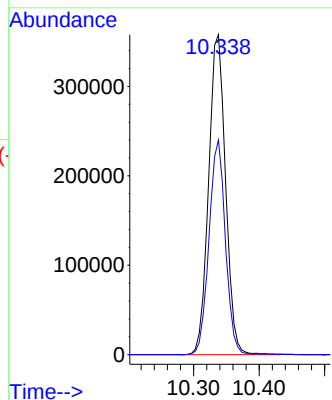
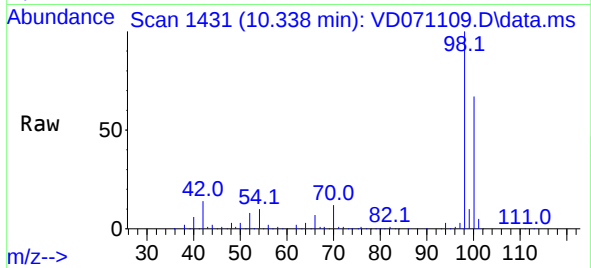




#50  
Toluene-d8  
Concen: 54.213 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VD071109.D  
Acq: 01 Dec 2021 16:45

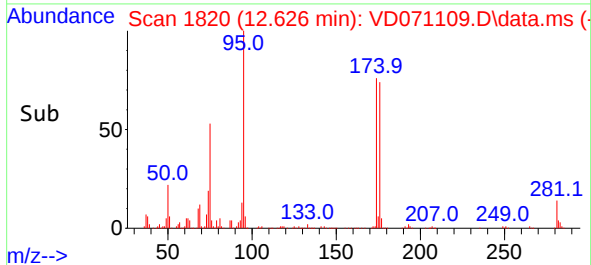
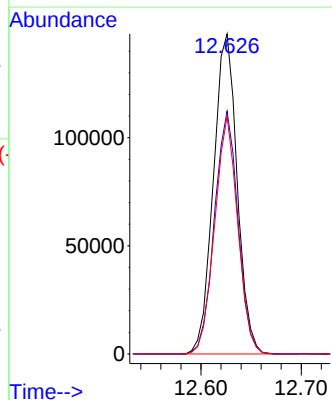
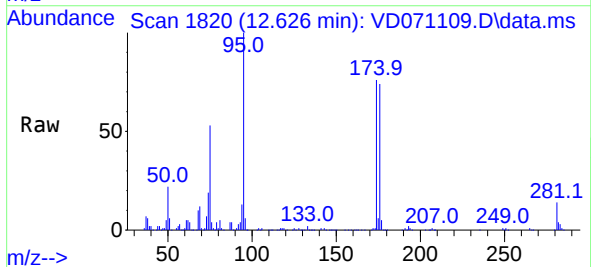
Instrument :  
MSVOA\_D  
ClientSampleId :  
PL-5-120121

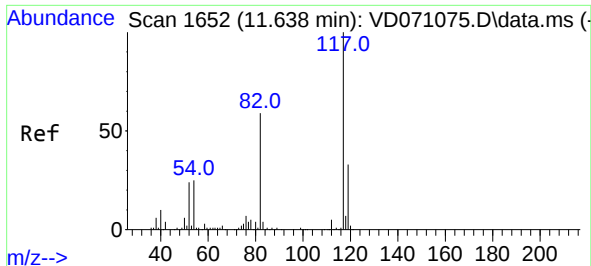
Tgt Ion: 98 Resp: 643479  
Ion Ratio Lower Upper  
98 100  
100 65.0 51.8 77.6



#62  
4-Bromofluorobenzene  
Concen: 59.111 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.000 min  
Lab File: VD071109.D  
Acq: 01 Dec 2021 16:45

Tgt Ion: 95 Resp: 243202  
Ion Ratio Lower Upper  
95 100  
174 75.0 0.0 159.4  
176 72.0 0.0 154.0

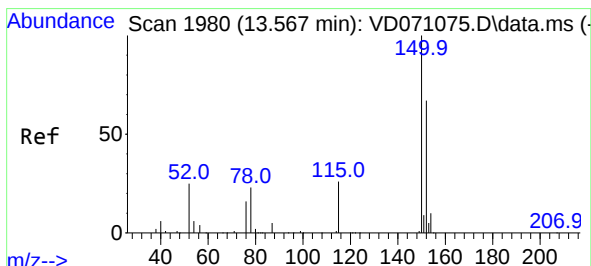
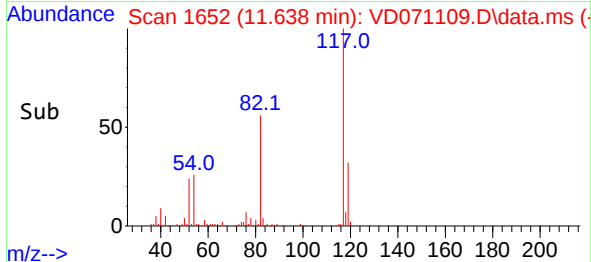
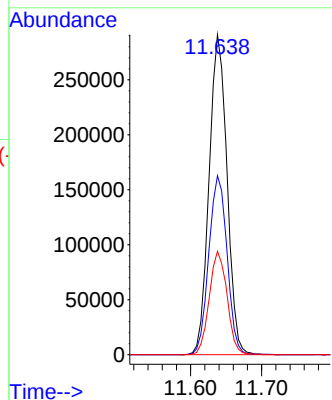
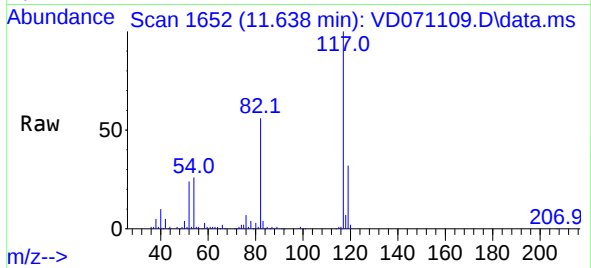




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1170  
Delta R.T. -0.000 min  
Lab File: VD071109.D  
Acq: 01 Dec 2021 16:45

Instrument :  
MSVOA\_D  
ClientSampleId :  
PL-5-120121

Tgt Ion:117 Resp: 510724  
Ion Ratio Lower Upper  
117 100  
82 55.9 44.7 67.1  
119 32.3 26.2 39.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. 0.000 min  
Lab File: VD071109.D  
Acq: 01 Dec 2021 16:45

Tgt Ion:152 Resp: 231346  
Ion Ratio Lower Upper  
152 100  
115 61.4 29.8 89.3  
150 160.4 0.0 349.2

