

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD081621\  
 Data File : VD070069.D  
 Acq On : 16 Aug 2021 16:20  
 Operator : VA/SY  
 Sample : M3368-20  
 Misc : 6.29G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SWCS-04-0002

Quant Time: Aug 17 03:56:45 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D081321S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 14 02:33:51 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.979  | 168  | 551772   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 1140381  | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.637 | 117  | 1079494  | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.567 | 152  | 441712   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 382307   | 58.910   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 117.820% |
| 35) Dibromofluoromethane    | 7.914  | 113   | 378690   | 51.399   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 102.800% |
| 50) Toluene-d8              | 10.338 | 98    | 1475494  | 51.490   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 102.980% |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 462389   | 48.990   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 97.980%  |

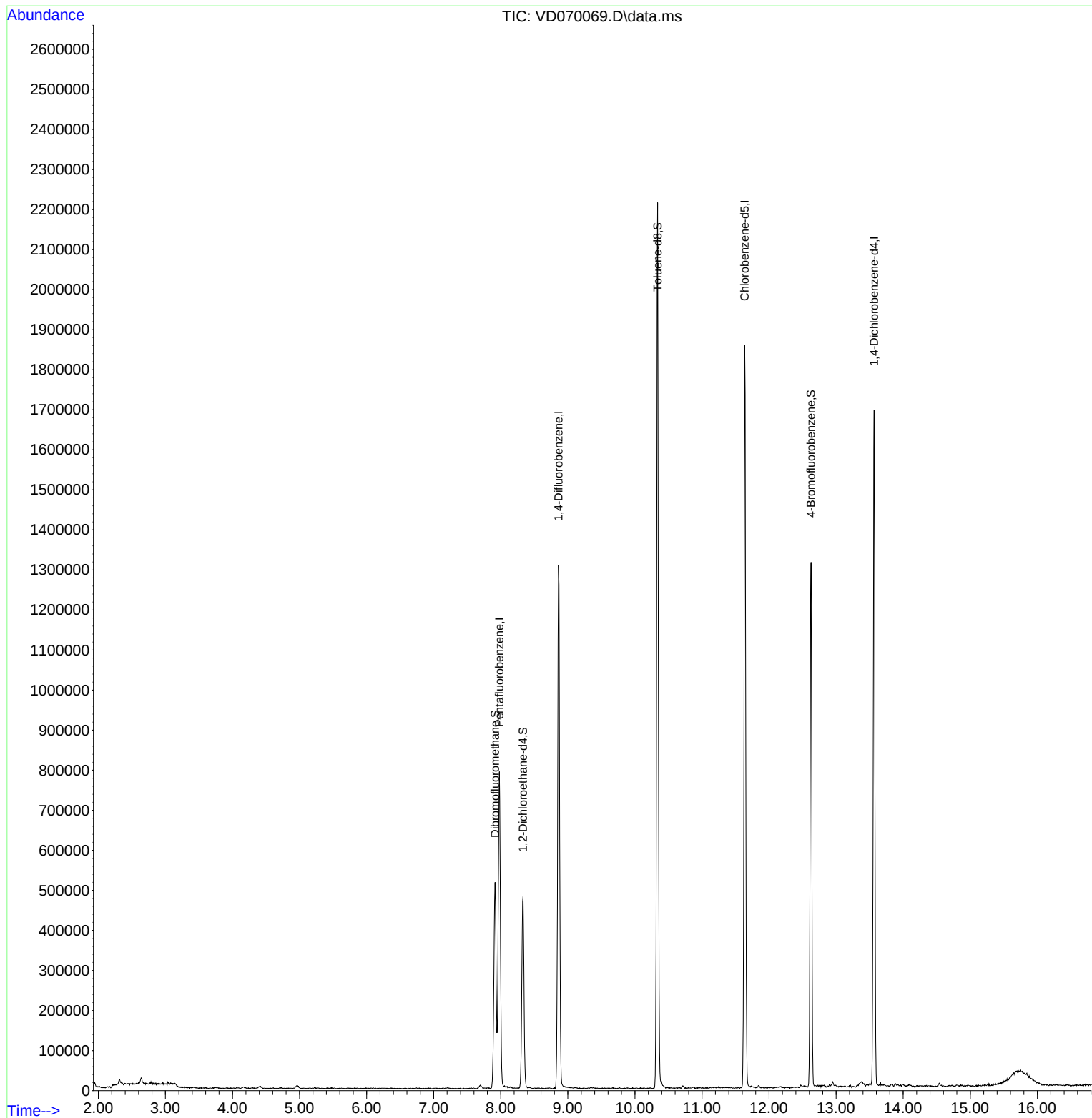
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

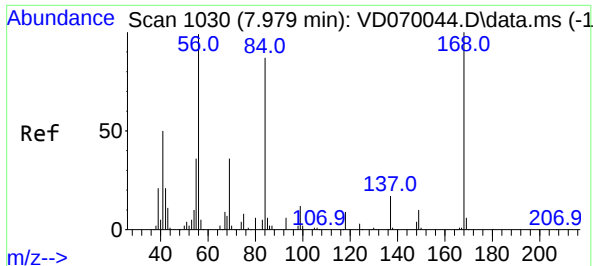
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SWCS-04-0002

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Quant Title : SW846 8260  
QLast Update : Sat Aug 14 02:33:51 2021  
Response via : Initial Calibration

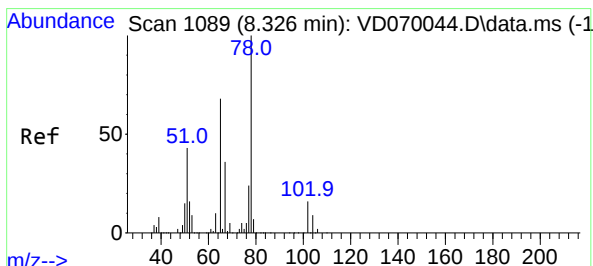
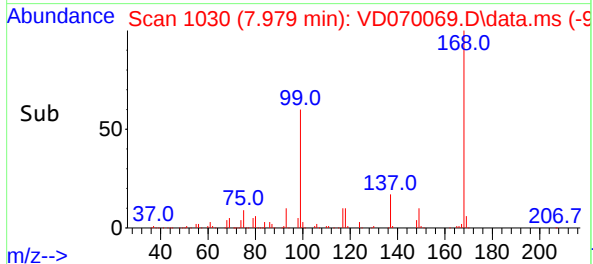
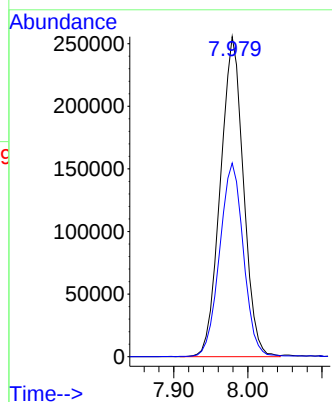
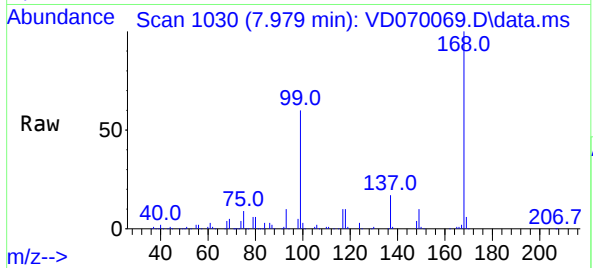




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.000 min  
Lab File: VD070069.D  
Acq: 16 Aug 2021 16:20

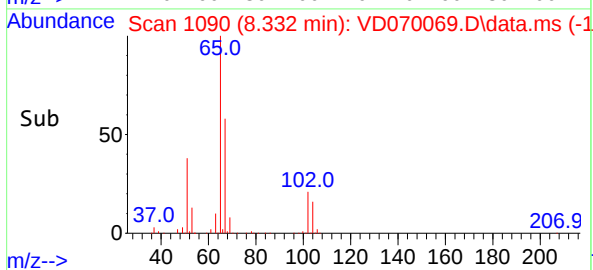
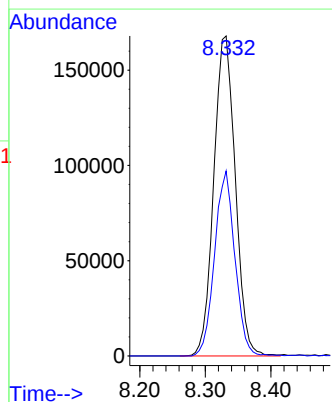
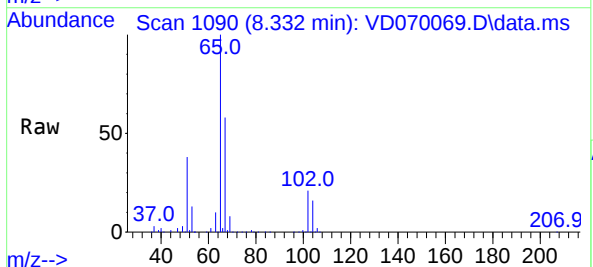
Instrument :  
MSVOA\_D  
ClientSampleId :  
SWCS-04-0002

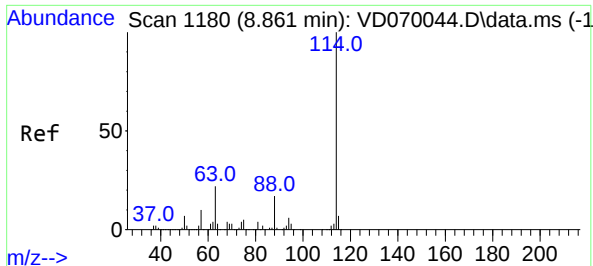
Tgt Ion:168 Resp: 551772  
Ion Ratio Lower Upper  
168 100  
99 60.4 50.3 75.5



#33  
1,2-Dichloroethane-d4  
Concen: 58.910 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. 0.006 min  
Lab File: VD070069.D  
Acq: 16 Aug 2021 16:20

Tgt Ion: 65 Resp: 382307  
Ion Ratio Lower Upper  
65 100  
67 54.6 0.0 107.8



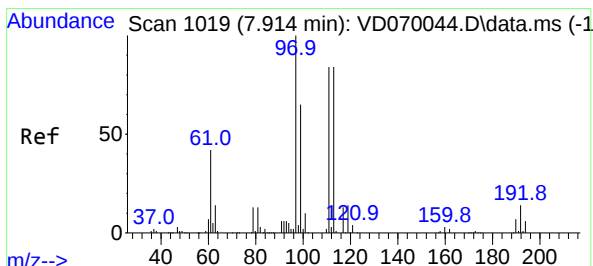
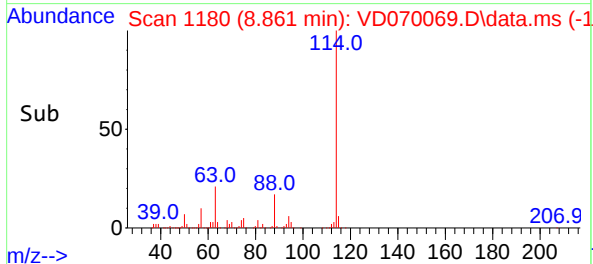
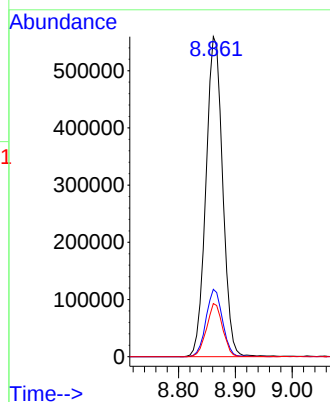
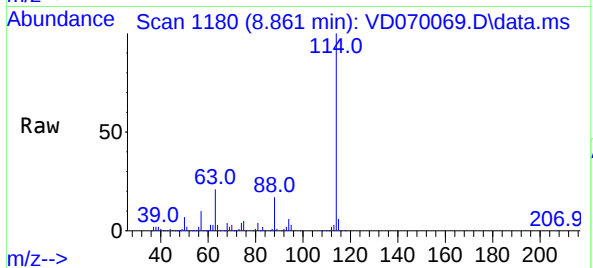


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. -0.000 min  
Lab File: VD070069.D  
Acq: 16 Aug 2021 16:20

Instrument :  
MSVOA\_D  
ClientSampleId :  
SWCS-04-0002

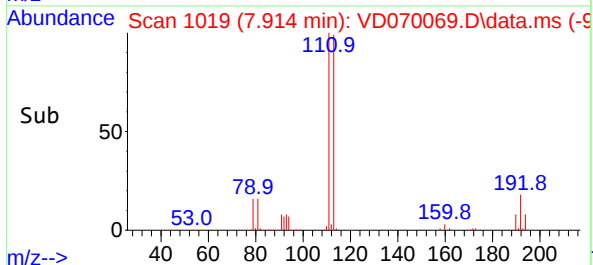
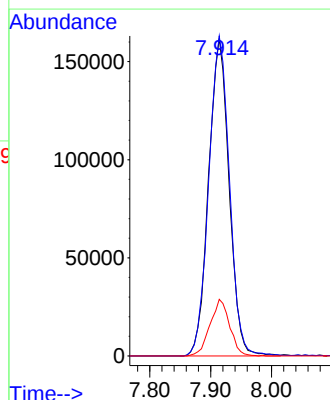
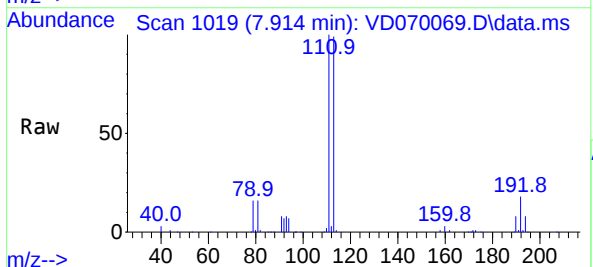
Tgt Ion:114 Resp: 1140381  
Ion Ratio Lower Upper  
114 100  
63 21.0 0.0 43.6  
88 16.6 0.0 33.4

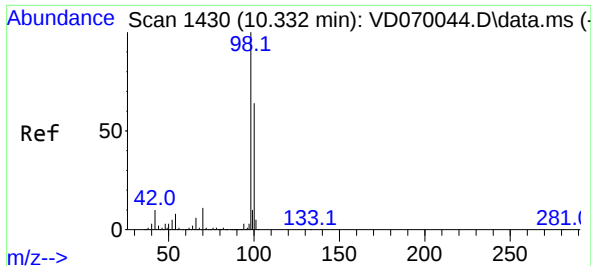


#35

Dibromofluoromethane  
Concen: 51.399 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.000 min  
Lab File: VD070069.D  
Acq: 16 Aug 2021 16:20

Tgt Ion:113 Resp: 378690  
Ion Ratio Lower Upper  
113 100  
111 101.9 81.8 122.6  
192 17.1 13.2 19.8

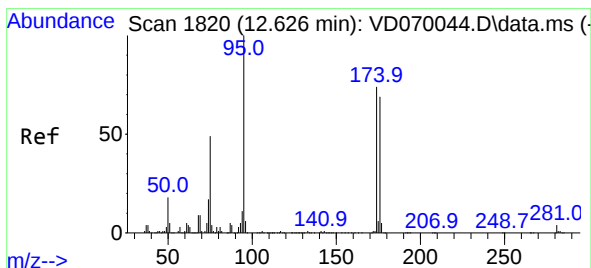
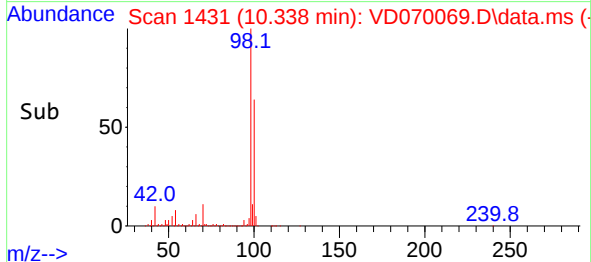
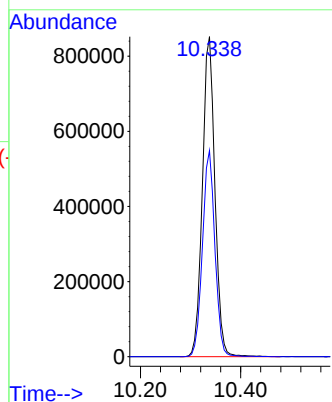
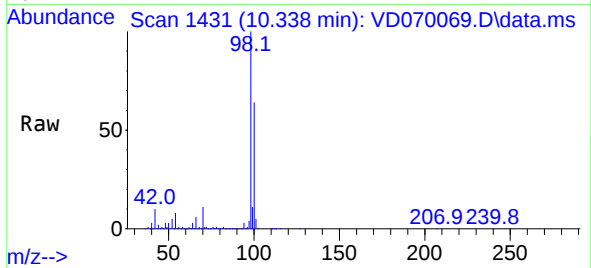




#50  
Toluene-d8  
Concen: 51.490 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. 0.006 min  
Lab File: VD070069.D  
Acq: 16 Aug 2021 16:20

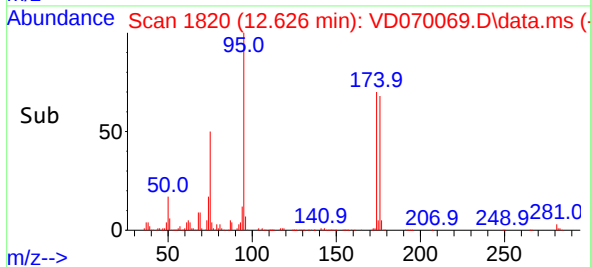
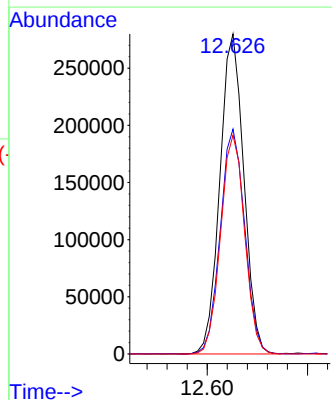
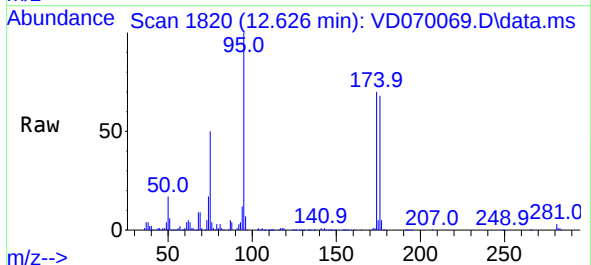
Instrument :  
MSVOA\_D  
ClientSampleId :  
SWCS-04-0002

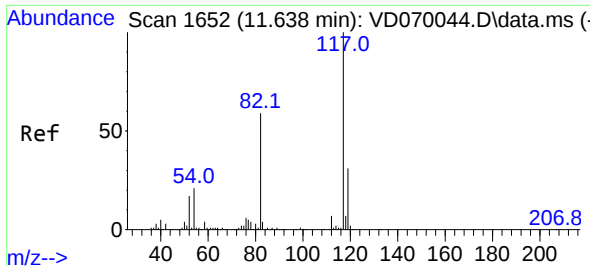
Tgt Ion: 98 Resp: 1475494  
Ion Ratio Lower Upper  
98 100  
100 64.0 52.6 78.8



#62  
4-Bromofluorobenzene  
Concen: 48.990 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD070069.D  
Acq: 16 Aug 2021 16:20

Tgt Ion: 95 Resp: 462389  
Ion Ratio Lower Upper  
95 100  
174 71.8 0.0 141.6  
176 68.5 0.0 138.2



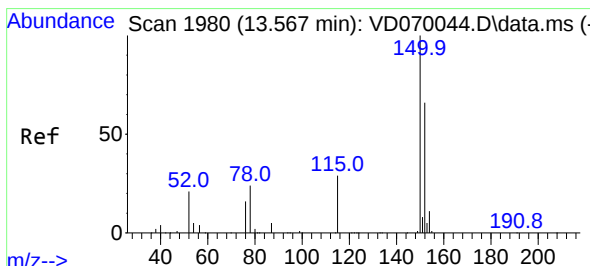
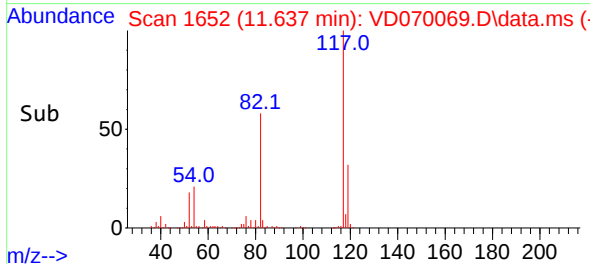
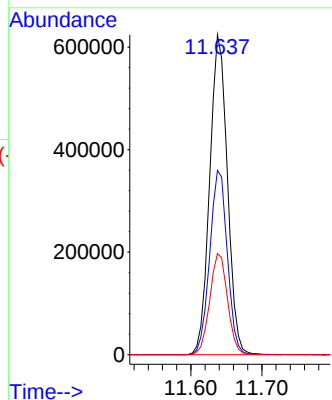
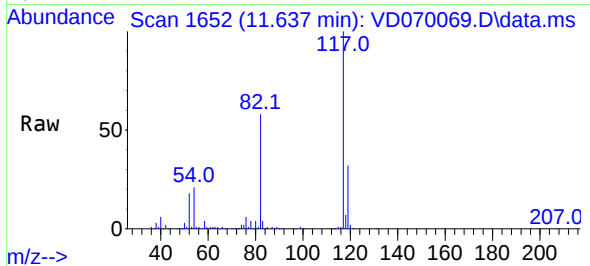


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.637 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD070069.D  
Acq: 16 Aug 2021 16:20

Instrument :  
MSVOA\_D  
ClientSampleId :  
SWCS-04-0002

Tgt Ion:117 Resp: 1079494  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 57.6  | 47.5  | 71.3  |
| 119 | 31.6  | 25.1  | 37.7  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. -0.000 min  
Lab File: VD070069.D  
Acq: 16 Aug 2021 16:20

Tgt Ion:152 Resp: 441712  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 63.0  | 31.2  | 93.6  |
| 150 | 159.3 | 0.0   | 352.0 |

