

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD121521\  
 Data File : VD071338.D  
 Acq On : 15 Dec 2021 13:08  
 Operator : VA/SY  
 Sample : M5073-04  
 Misc : 5.02G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 EO-03-121321

Quant Time: Dec 16 04:26:44 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  | 19798    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 31823    | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.638 | 117  | 44107    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.561 | 152  | 20836    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |           |
|-----------------------------|--------|-------|----------|----------|------|-----------|
| System Monitoring Compounds |        |       |          |          |      |           |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 17622    | 75.857   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 151.720%  |
| 35) Dibromofluoromethane    | 7.914  | 113   | 12585    | 62.104   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 124.200%  |
| 50) Toluene-d8              | 10.332 | 98    | 42438    | 55.031   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 110.060%  |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 20925    | 78.278   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 156.560%# |

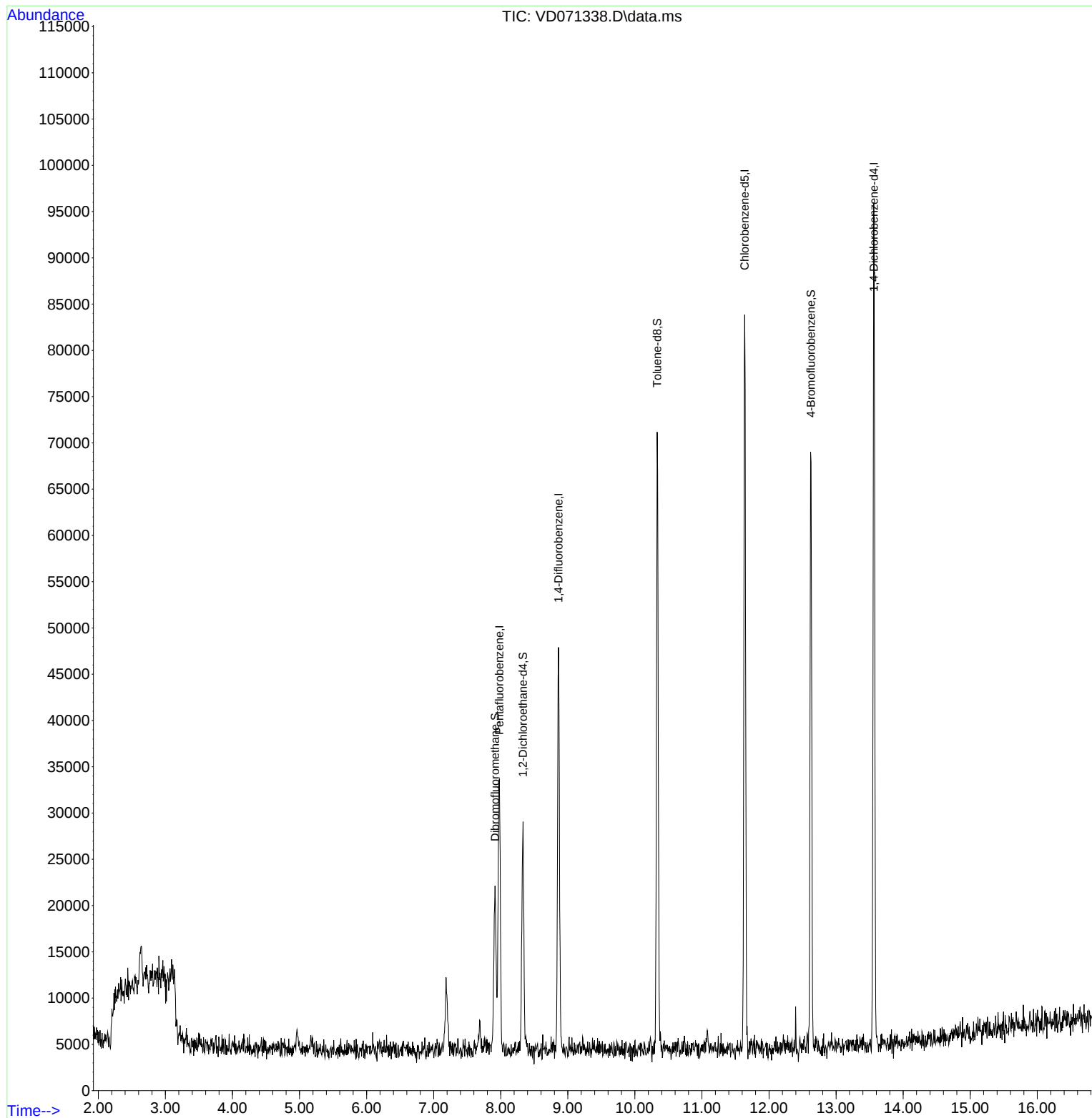
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

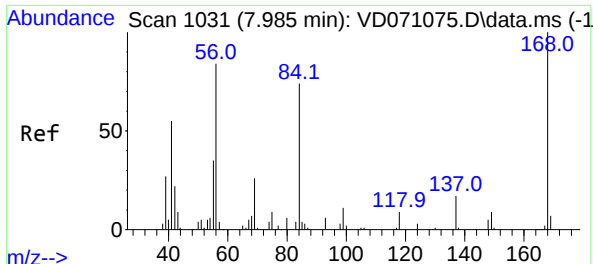
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Mon Nov 29 17:54:09 2021  
Response via : Initial Calibration

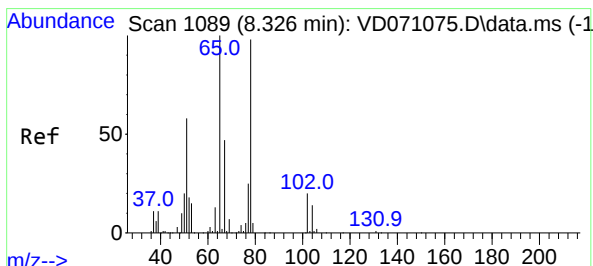
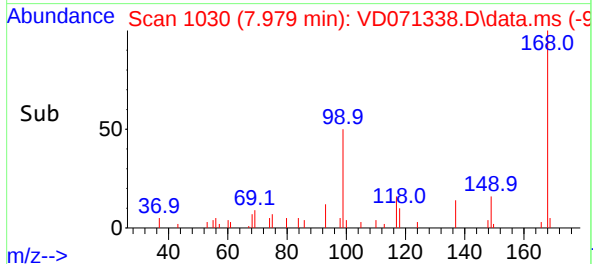
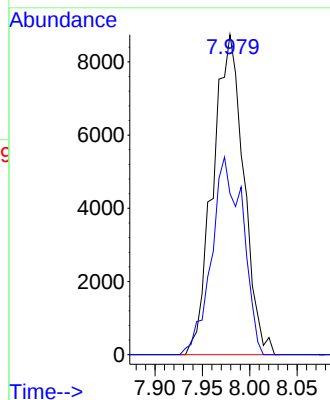
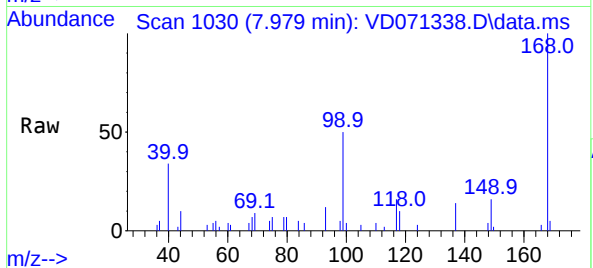




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VD071338.D  
Acq: 15 Dec 2021 13:08

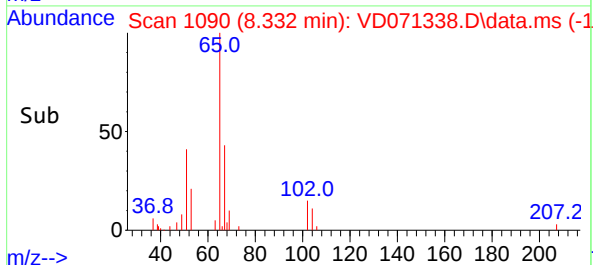
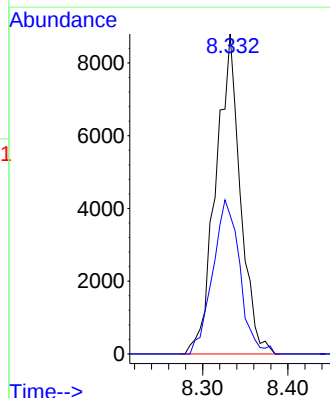
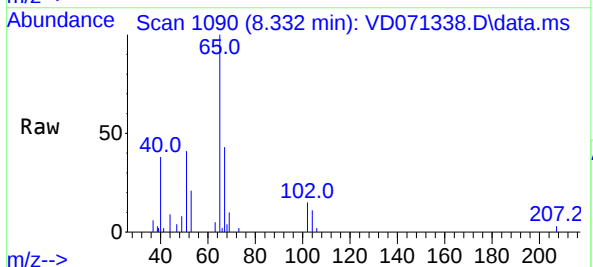
Instrument :  
MSVOA\_D  
ClientSampleId :  
EO-03-121321

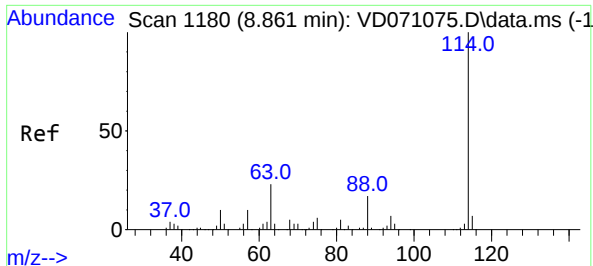
Tgt Ion:168 Resp: 19798  
Ion Ratio Lower Upper  
168 100  
99 50.3 46.6 69.8



#33  
1,2-Dichloroethane-d4  
Concen: 75.857 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. 0.006 min  
Lab File: VD071338.D  
Acq: 15 Dec 2021 13:08

Tgt Ion: 65 Resp: 17622  
Ion Ratio Lower Upper  
65 100  
67 53.0 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071338.D

Acq: 15 Dec 2021 13:08

Instrument :

MSVOA\_D

ClientSampleId :

EO-03-121321

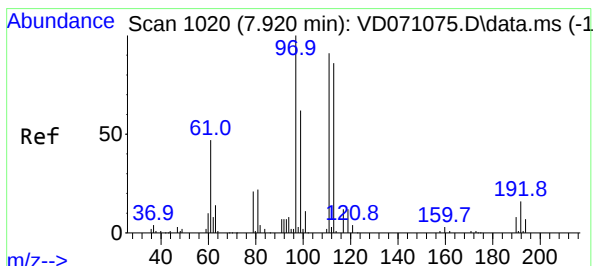
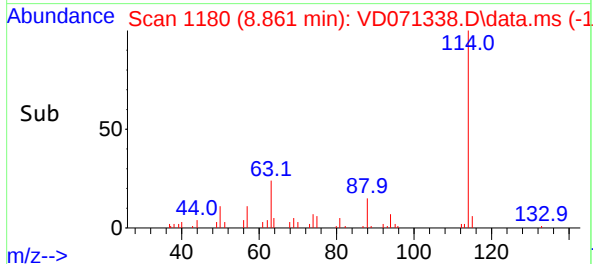
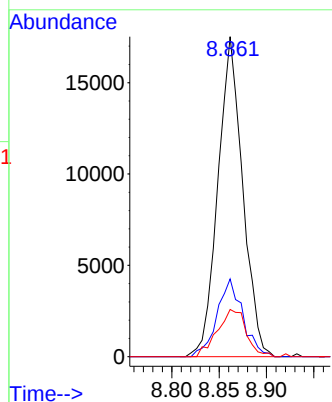
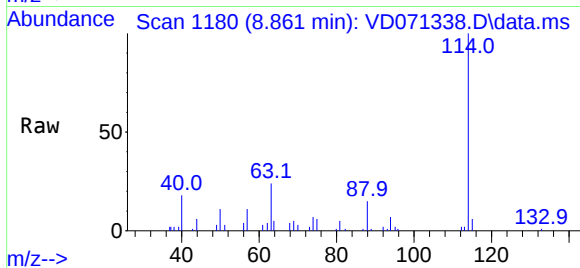
Tgt Ion:114 Resp: 31823

Ion Ratio Lower Upper

114 100

63 24.3 0.0 41.8

88 14.7 0.0 32.8



#35

Dibromofluoromethane

Concen: 62.104 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071338.D

Acq: 15 Dec 2021 13:08

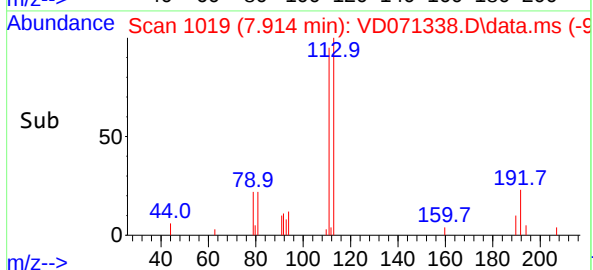
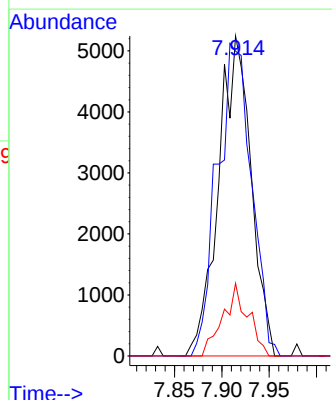
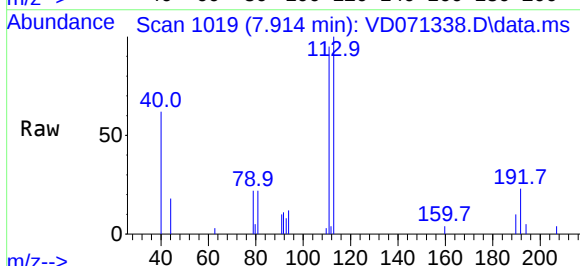
Tgt Ion:113 Resp: 12585

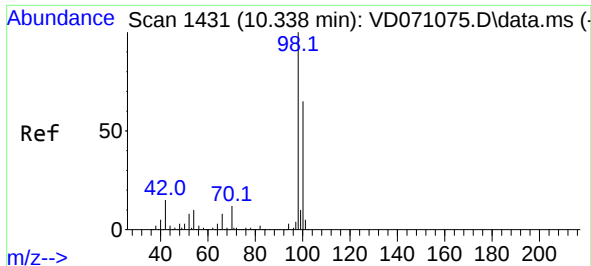
Ion Ratio Lower Upper

113 100

111 101.9 82.0 123.0

192 17.4 15.2 22.8

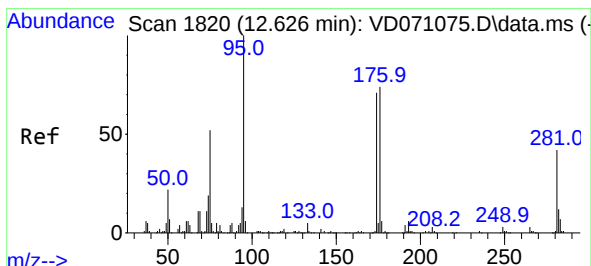
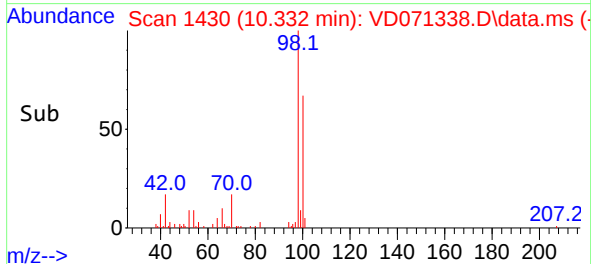
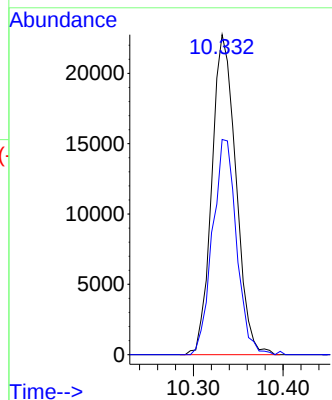
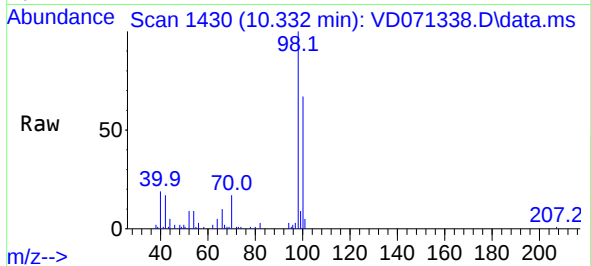




#50  
Toluene-d8  
Concen: 55.031 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.006 min  
Lab File: VD071338.D  
Acq: 15 Dec 2021 13:08

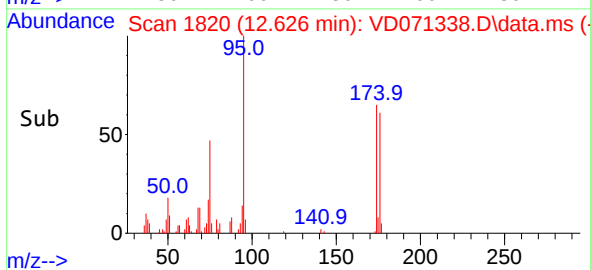
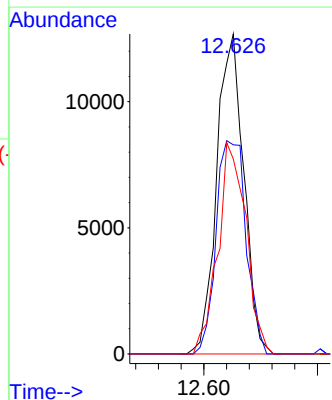
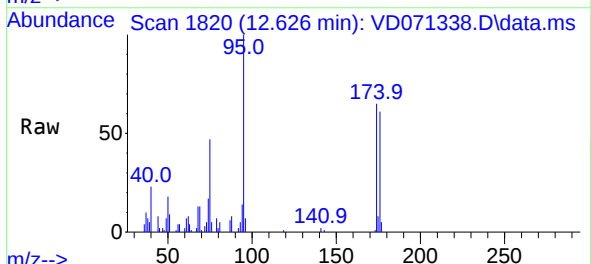
Instrument :  
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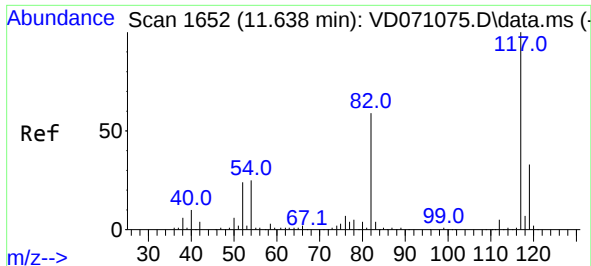
Tgt Ion: 98 Resp: 42438  
Ion Ratio Lower Upper  
98 100  
100 67.1 51.8 77.6



#62  
4-Bromofluorobenzene  
Concen: 78.278 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD071338.D  
Acq: 15 Dec 2021 13:08

Tgt Ion: 95 Resp: 20925  
Ion Ratio Lower Upper  
95 100  
174 74.1 0.0 159.4  
176 68.9 0.0 154.0

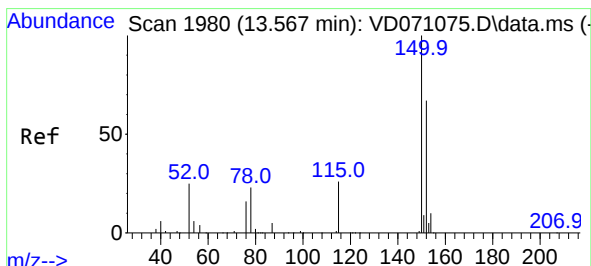
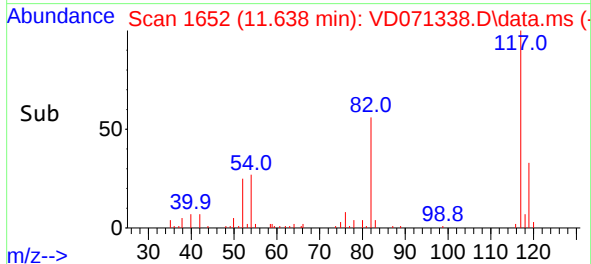
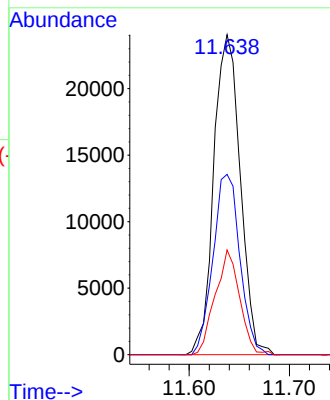
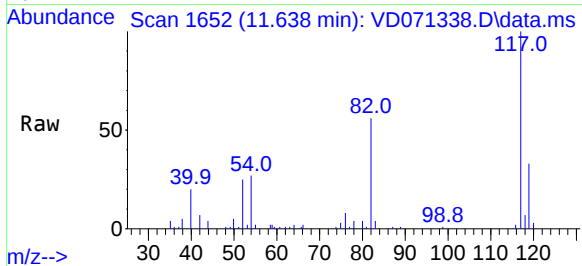




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VD071338.D  
Acq: 15 Dec 2021 13:08

Instrument :  
MSVOA\_D  
ClientSampleId :  
EO-03-121321

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:117 | Resp: | 44107       |
| Ion         | Ratio | Lower Upper |
| 117         | 100   |             |
| 82          | 56.3  | 44.7 67.1   |
| 119         | 32.7  | 26.2 39.4   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. -0.006 min  
Lab File: VD071338.D  
Acq: 15 Dec 2021 13:08

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:152 | Resp: | 20836       |
| Ion         | Ratio | Lower Upper |
| 152         | 100   |             |
| 115         | 65.3  | 29.8 89.3   |
| 150         | 162.6 | 0.0 349.2   |

