

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD121621\  
 Data File : VD071368.D  
 Acq On : 16 Dec 2021 15:39  
 Operator : VA/SY  
 Sample : M5111-01  
 Misc : 5.55G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-1

Quant Time: Dec 16 23:49:45 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      | 7.973  | 168  | 203939   | 50.000 | ug/l  | -0.01    |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 365981   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.638 | 117  | 345075   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.567 | 152  | 152110   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 160850   | 67.217   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 134.440% |
| 35) Dibromofluoromethane    | 7.909  | 113   | 127895   | 54.878   | ug/l | -0.01    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 109.760% |
| 50) Toluene-d8              | 10.332 | 98    | 464158   | 52.336   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 104.680% |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 154832   | 50.364   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 100.720% |

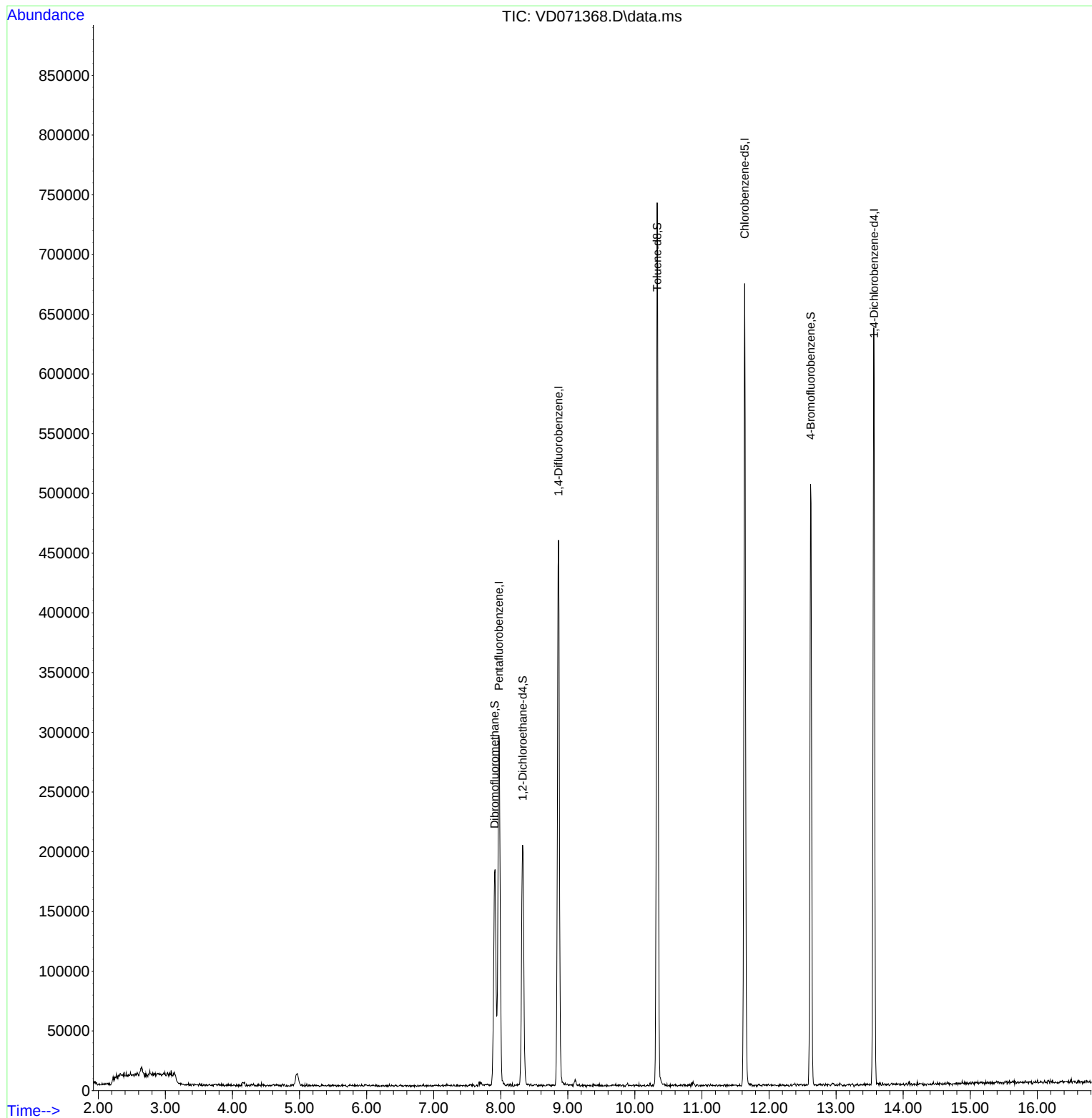
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

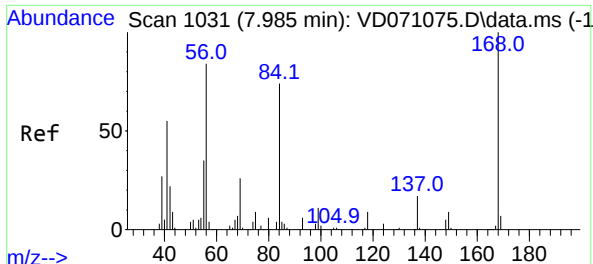
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 1 Sample Multiplier: 1

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ClientSampleId :  
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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

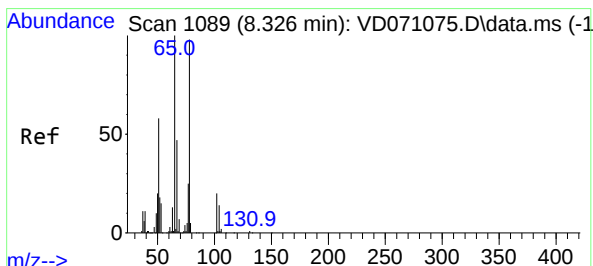
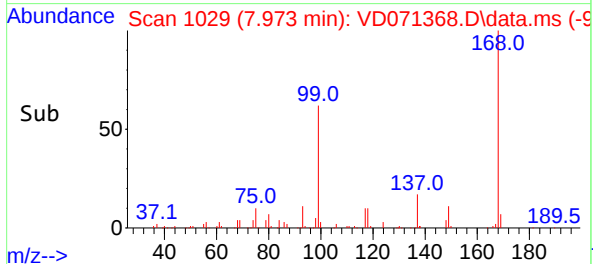
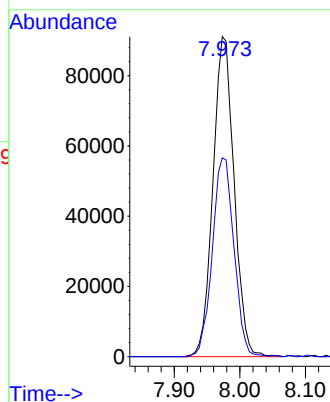
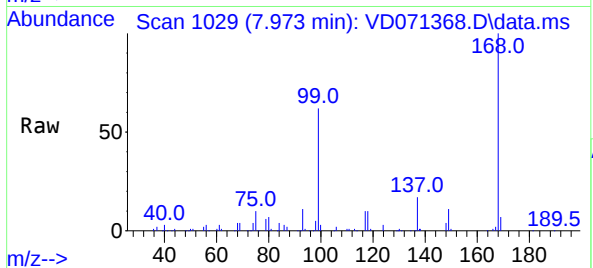




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. -0.012 min  
Lab File: VD071368.D  
Acq: 16 Dec 2021 15:39

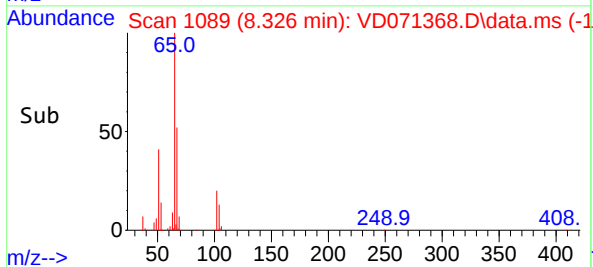
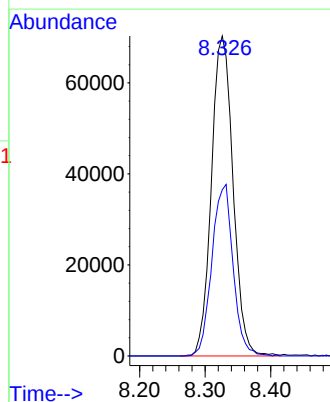
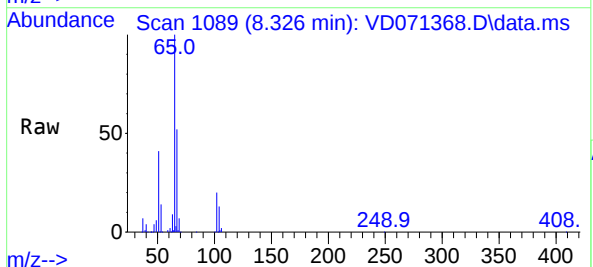
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-1

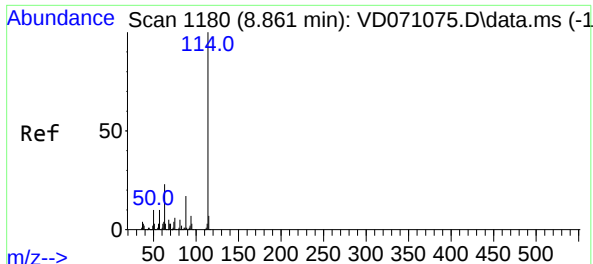
Tgt Ion:168 Resp: 203939  
Ion Ratio Lower Upper  
168 100  
99 62.2 46.6 69.8



#33  
1,2-Dichloroethane-d4  
Concen: 67.217 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. 0.000 min  
Lab File: VD071368.D  
Acq: 16 Dec 2021 15:39

Tgt Ion: 65 Resp: 160850  
Ion Ratio Lower Upper  
65 100  
67 52.6 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: VD071368.D

Acq: 16 Dec 2021 15:39

Instrument :

MSVOA\_D

ClientSampleId :

SB-1

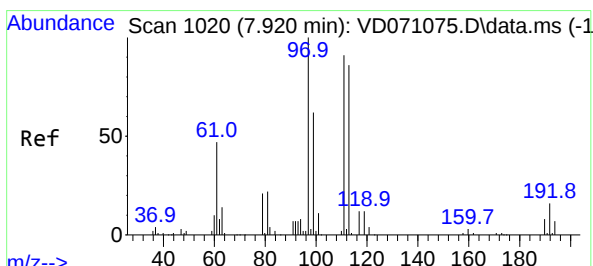
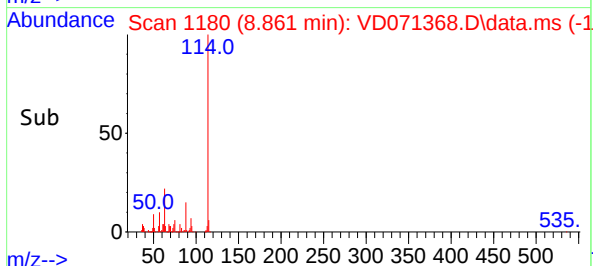
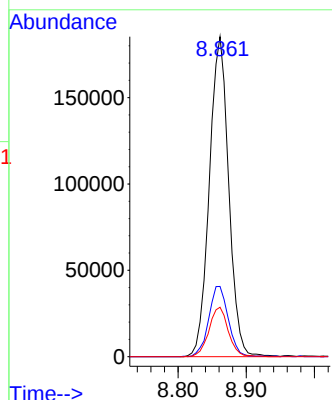
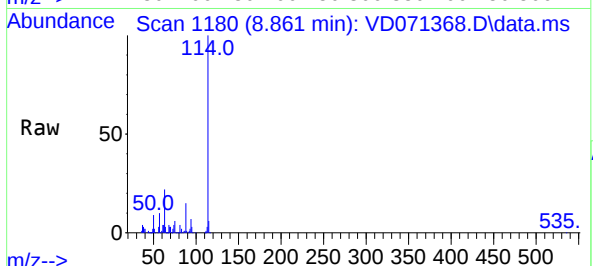
Tgt Ion:114 Resp: 365981

Ion Ratio Lower Upper

114 100

63 21.9 0.0 41.8

88 15.5 0.0 32.8



#35

Dibromofluoromethane

Concen: 54.878 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.011 min

Lab File: VD071368.D

Acq: 16 Dec 2021 15:39

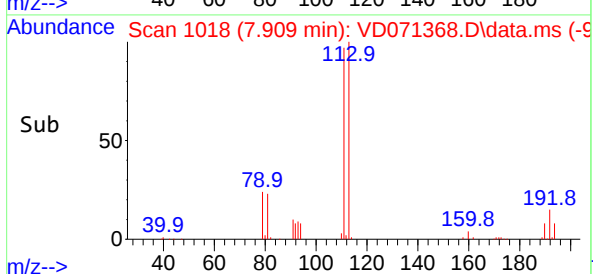
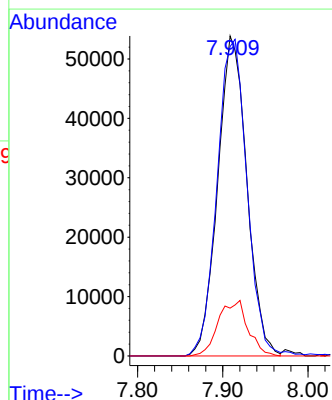
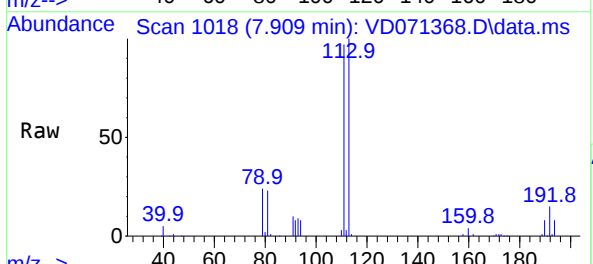
Tgt Ion:113 Resp: 127895

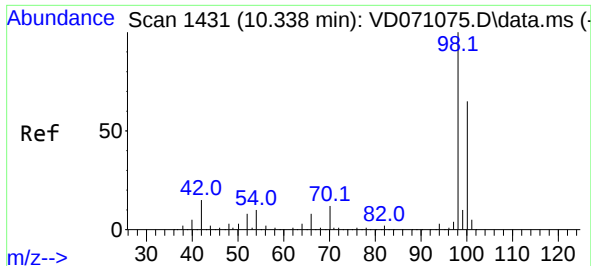
Ion Ratio Lower Upper

113 100

111 101.8 82.0 123.0

192 17.6 15.2 22.8

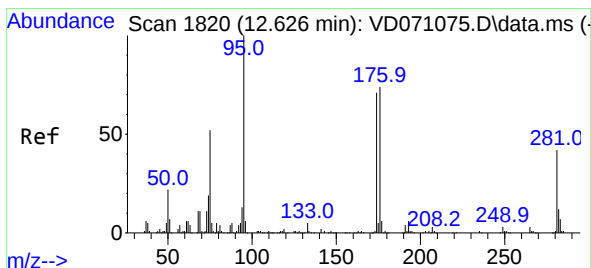
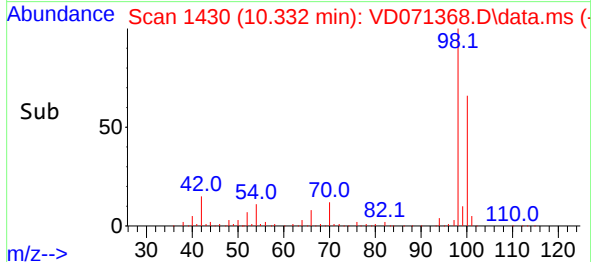
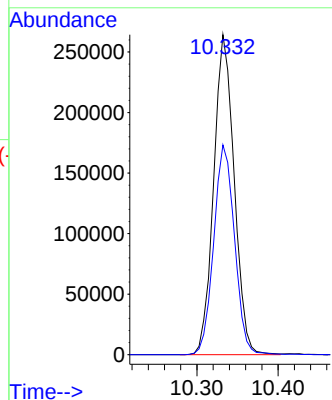
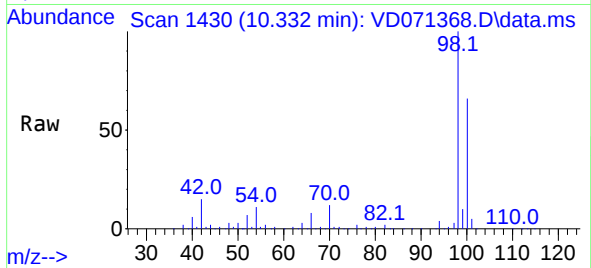




#50  
Toluene-d8  
Concen: 52.336 ug/l  
RT: 10.332 min Scan# 1431  
Delta R.T. -0.006 min  
Lab File: VD071368.D  
Acq: 16 Dec 2021 15:39

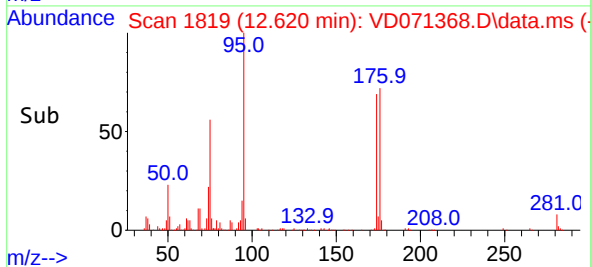
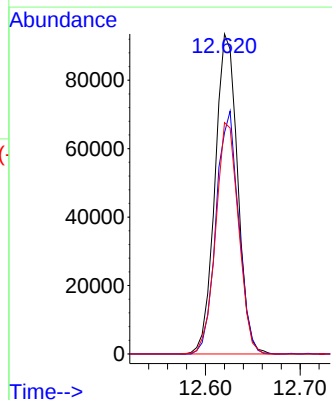
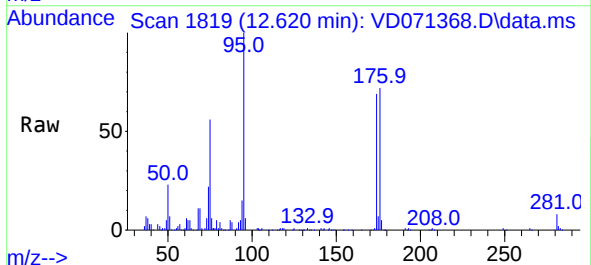
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-1

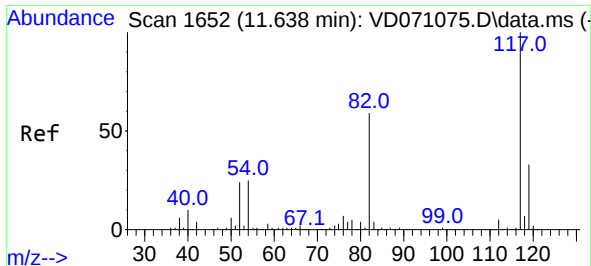
Tgt Ion: 98 Resp: 464158  
Ion Ratio Lower Upper  
98 100  
100 66.6 51.8 77.6



#62  
4-Bromofluorobenzene  
Concen: 50.364 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.006 min  
Lab File: VD071368.D  
Acq: 16 Dec 2021 15:39

Tgt Ion: 95 Resp: 154832  
Ion Ratio Lower Upper  
95 100  
174 75.8 0.0 159.4  
176 73.2 0.0 154.0

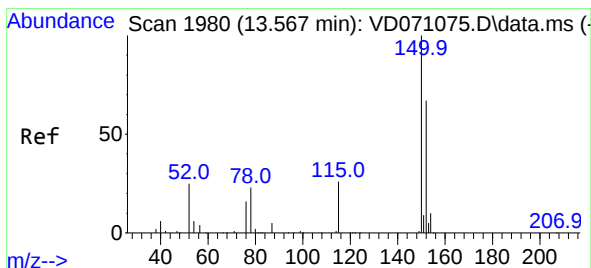
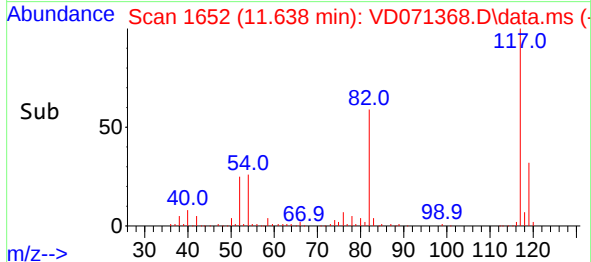
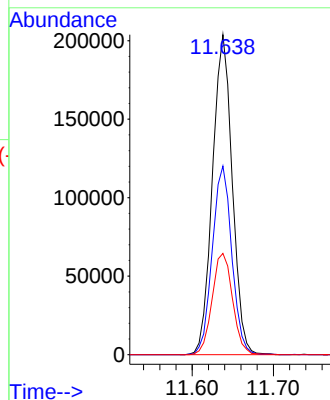
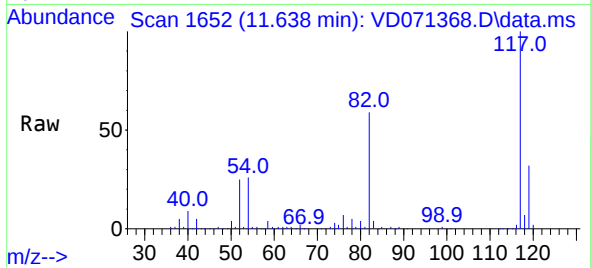




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VD071368.D  
Acq: 16 Dec 2021 15:39

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-1

Tgt Ion:117 Resp: 345075  
Ion Ratio Lower Upper  
117 100  
82 59.0 44.7 67.1  
119 31.6 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: VD071368.D  
Acq: 16 Dec 2021 15:39

Tgt Ion:152 Resp: 152110  
Ion Ratio Lower Upper  
152 100  
115 61.0 29.8 89.3  
150 157.9 0.0 349.2

