

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052422\  
 Data File : VD073318.D  
 Acq On : 24 May 2022 12:03  
 Operator : VA/SY  
 Sample : VD0524SBL01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0524SBL01

Quant Time: May 24 16:43:50 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 19 15:13:42 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.973  | 168  | 332920   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 604671   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.637 | 117  | 617834   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.561 | 152  | 284776   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 189747   | 51.572   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 103.140% |
| 35) Dibromofluoromethane    | 7.908  | 113   | 198800   | 49.824   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 99.640%  |
| 50) Toluene-d8              | 10.332 | 98    | 734899   | 49.965   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 99.940%  |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 275265   | 53.328   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 106.660% |

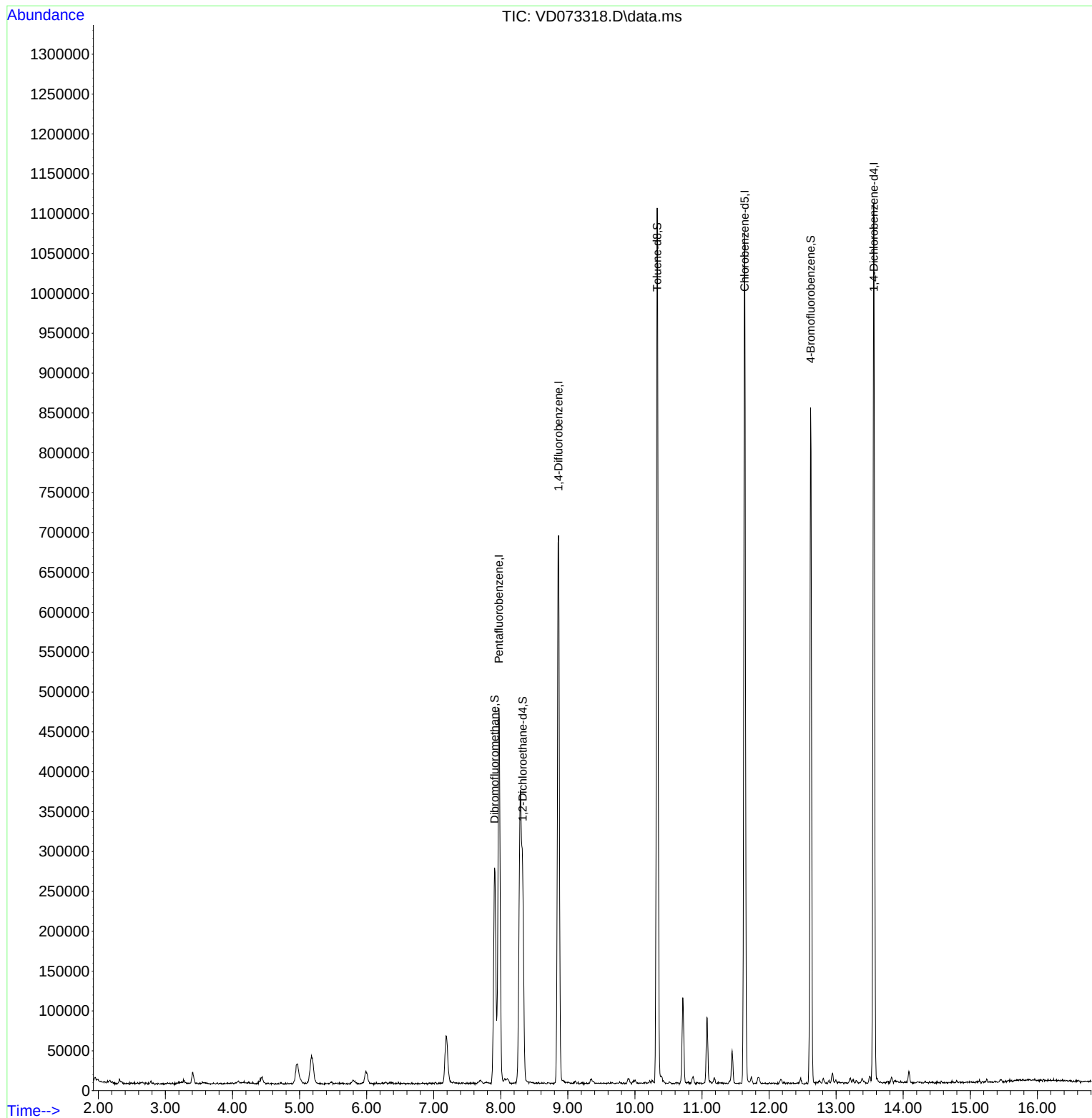
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

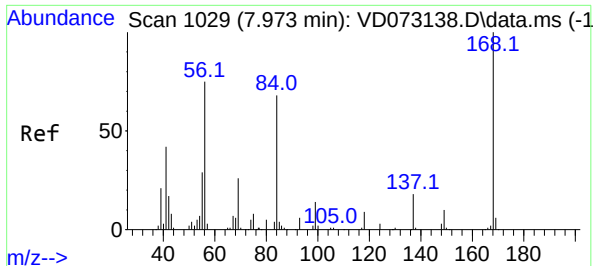
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VD0524SBL01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0524SBL01

Quant Time: May 24 16:43:50 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
Quant Title : SW846 8260  
QLast Update : Thu May 19 15:13:42 2022  
Response via : Initial Calibration

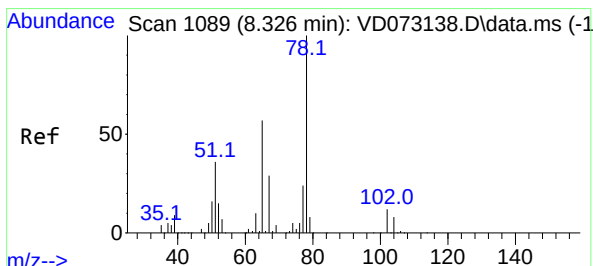
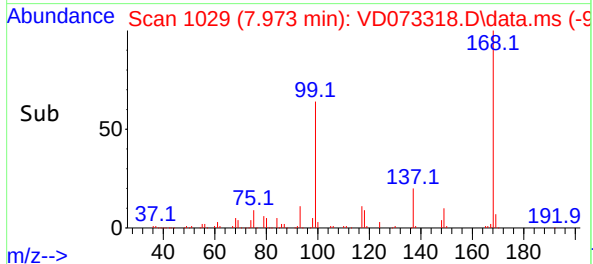
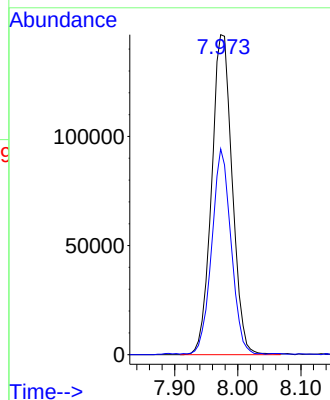
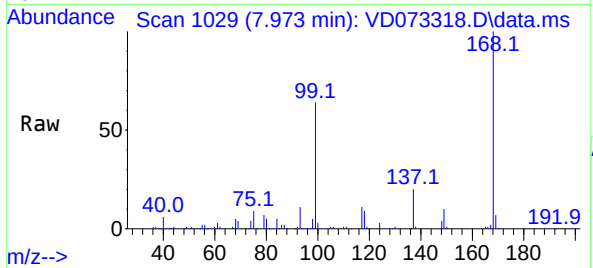




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. -0.000 min  
Lab File: VD073318.D  
Acq: 24 May 2022 12:03

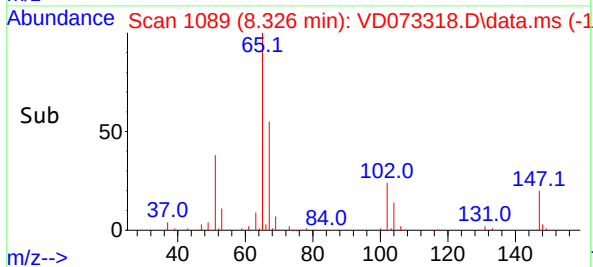
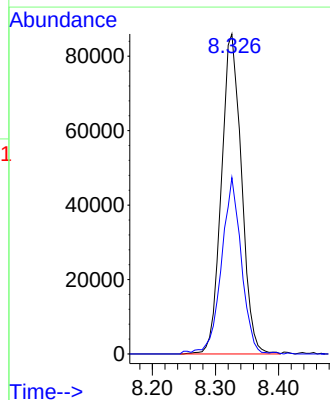
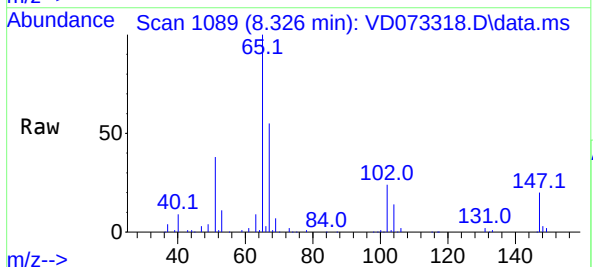
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0524SBL01

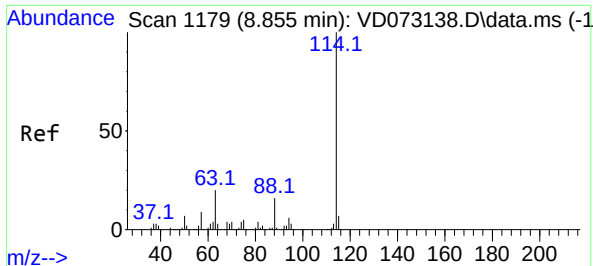
Tgt Ion:168 Resp: 332920  
Ion Ratio Lower Upper  
168 100  
99 64.1 49.8 74.6



#33  
1,2-Dichloroethane-d4  
Concen: 51.572 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. -0.000 min  
Lab File: VD073318.D  
Acq: 24 May 2022 12:03

Tgt Ion: 65 Resp: 189747  
Ion Ratio Lower Upper  
65 100  
67 54.5 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1179

Delta R.T. 0.006 min

Lab File: VD073318.D

Acq: 24 May 2022 12:03

Instrument :

MSVOA\_D

ClientSampleId :

VD0524SBL01

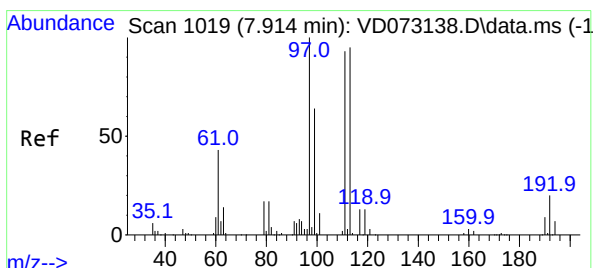
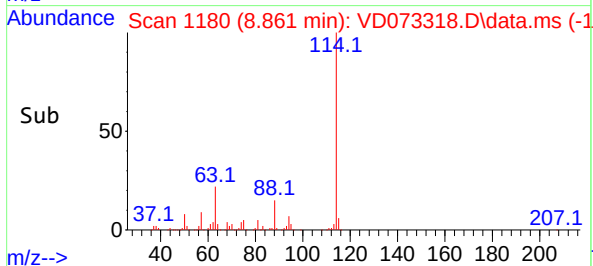
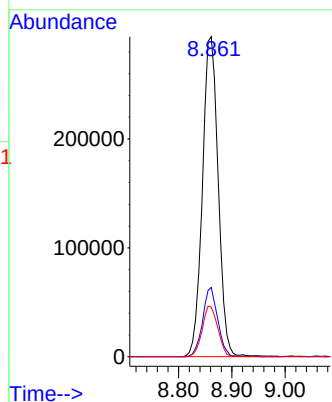
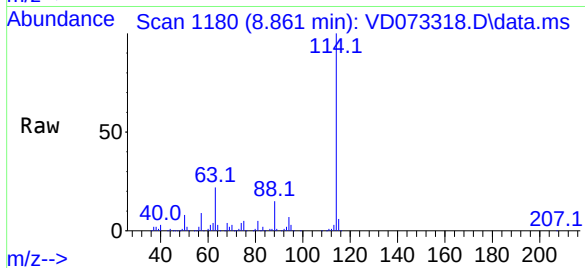
Tgt Ion:114 Resp: 604671

Ion Ratio Lower Upper

114 100

63 21.7 0.0 46.6

88 15.5 0.0 33.2



#35

Dibromofluoromethane

Concen: 49.824 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073318.D

Acq: 24 May 2022 12:03

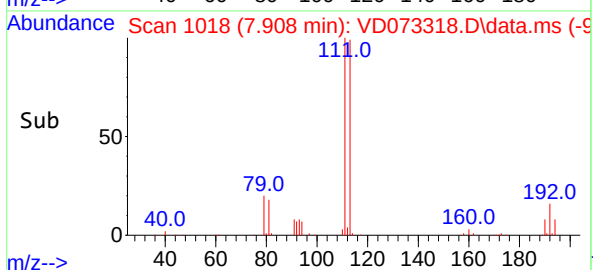
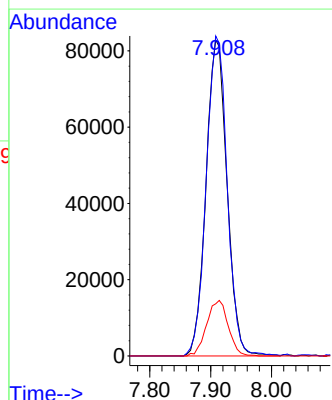
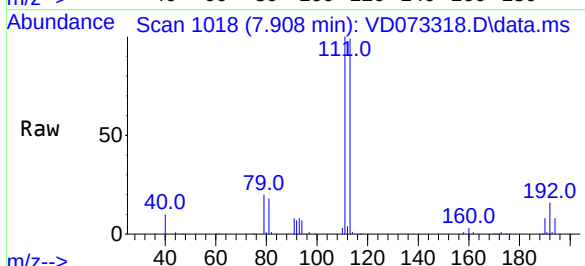
Tgt Ion:113 Resp: 198800

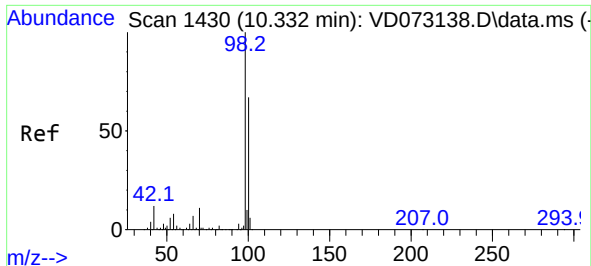
Ion Ratio Lower Upper

113 100

111 101.0 83.8 125.6

192 18.0 14.6 21.8

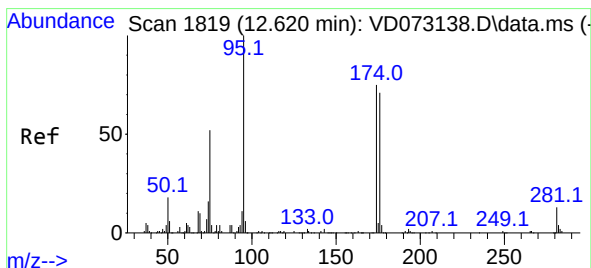
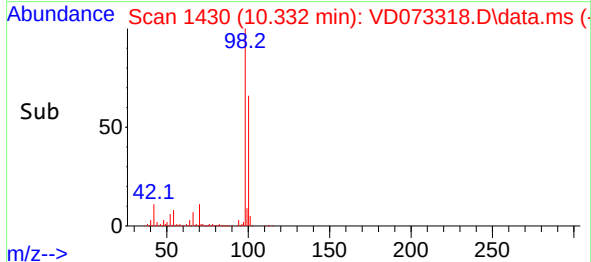
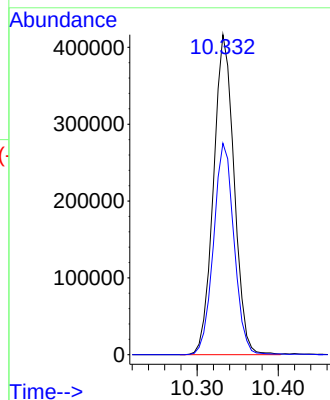
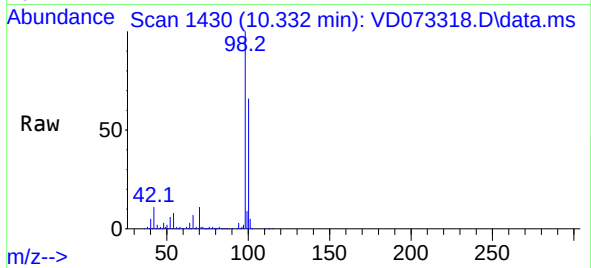




#50  
Toluene-d8  
Concen: 49.965 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD073318.D  
Acq: 24 May 2022 12:03

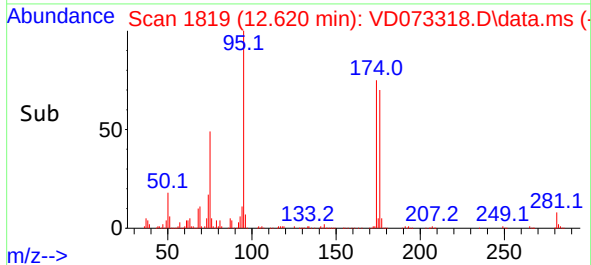
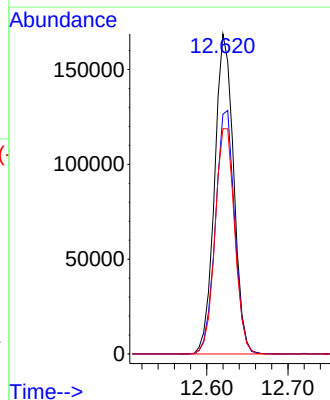
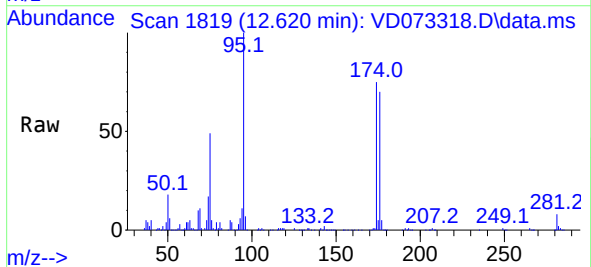
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0524SBL01

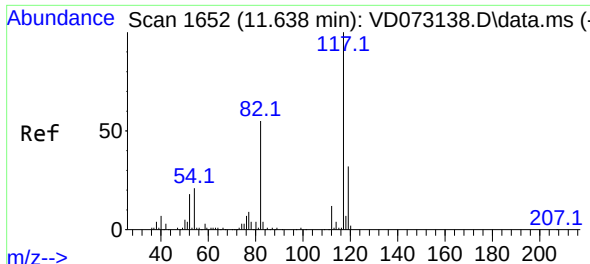
Tgt Ion: 98 Resp: 734899  
Ion Ratio Lower Upper  
98 100  
100 65.6 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 53.328 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.000 min  
Lab File: VD073318.D  
Acq: 24 May 2022 12:03

Tgt Ion: 95 Resp: 275265  
Ion Ratio Lower Upper  
95 100  
174 76.5 0.0 152.8  
176 72.6 0.0 145.4

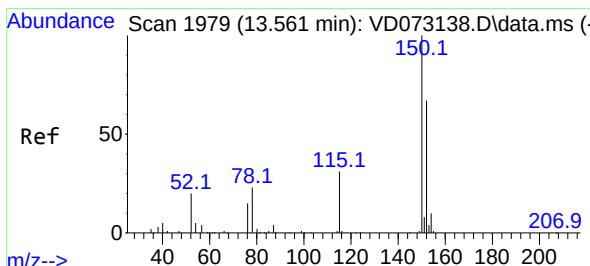
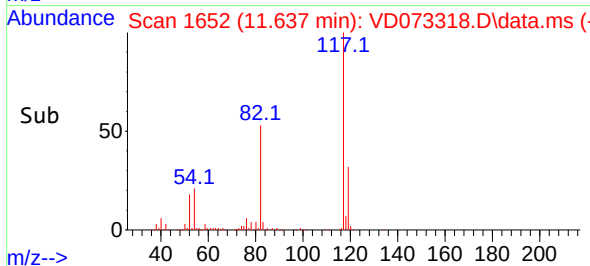
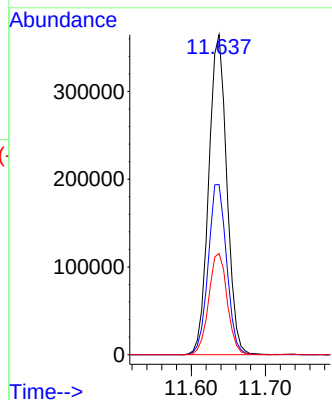
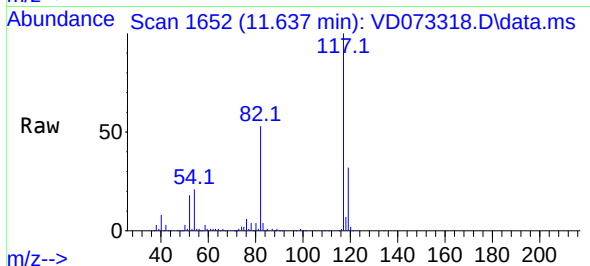




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.637 min Scan# 1  
Delta R.T. -0.001 min  
Lab File: VD073318.D  
Acq: 24 May 2022 12:03

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0524SBL01

Tgt Ion:117 Resp: 617834  
Ion Ratio Lower Upper  
117 100  
82 53.2 45.3 67.9  
119 31.6 26.6 40.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. -0.000 min  
Lab File: VD073318.D  
Acq: 24 May 2022 12:03

Tgt Ion:152 Resp: 284776  
Ion Ratio Lower Upper  
152 100  
115 61.6 31.3 93.8  
150 159.0 0.0 348.6

