

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052522\  
 Data File : VD073377.D  
 Acq On : 25 May 2022 23:07  
 Operator : VA/SY  
 Sample : N2886-01  
 Misc : 5.46G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 P014-SS002-2430-01

Quant Time: May 26 02:27:55 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  | 287136   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 502115   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.638 | 117  | 534777   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.561 | 152  | 246759   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 152430   | 48.036   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 96.080%  |
| 35) Dibromofluoromethane    | 7.909  | 113   | 171425   | 51.739   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 103.480% |
| 50) Toluene-d8              | 10.332 | 98    | 622113   | 50.936   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 101.880% |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 228719   | 53.361   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 106.720% |

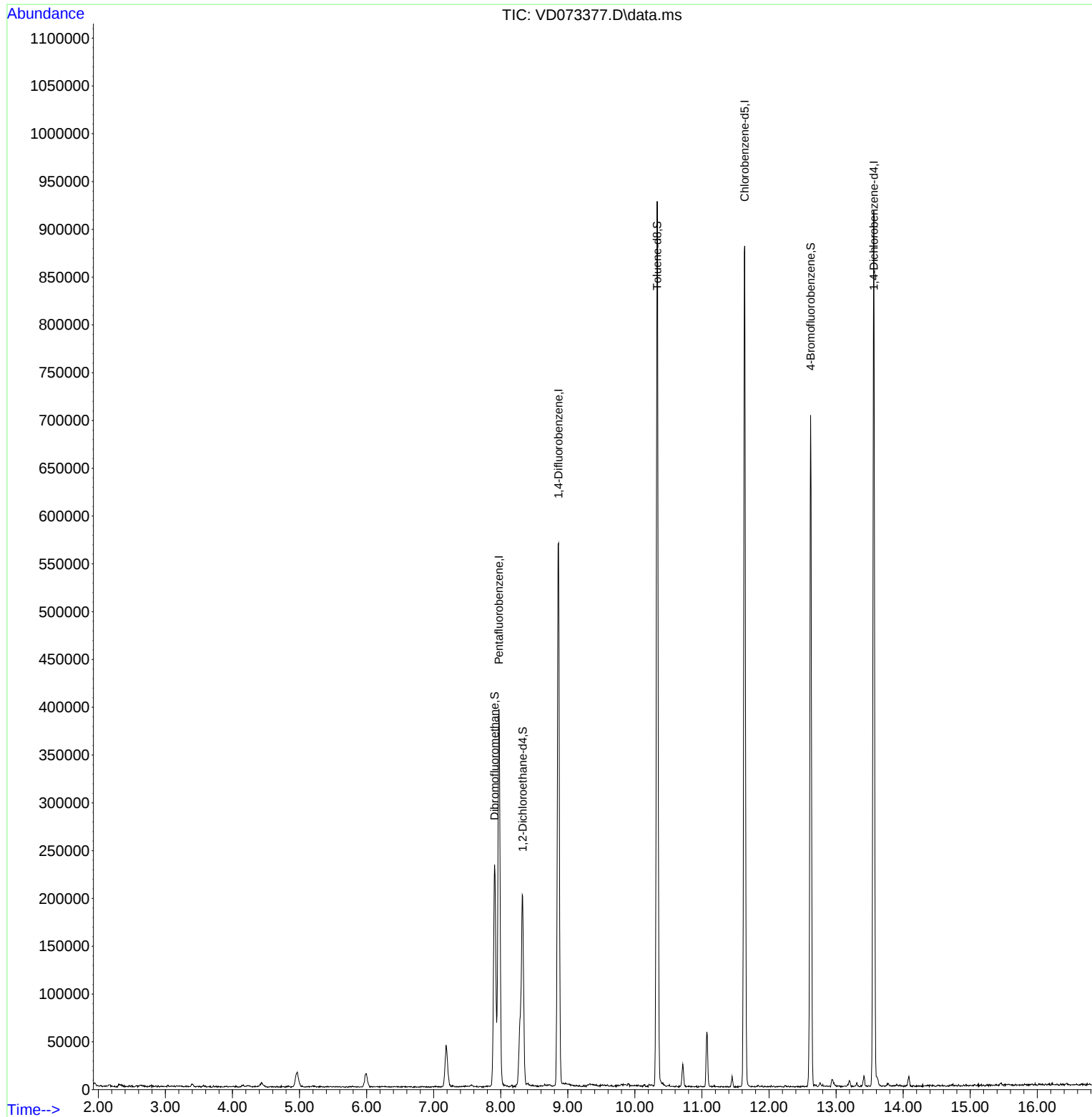
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

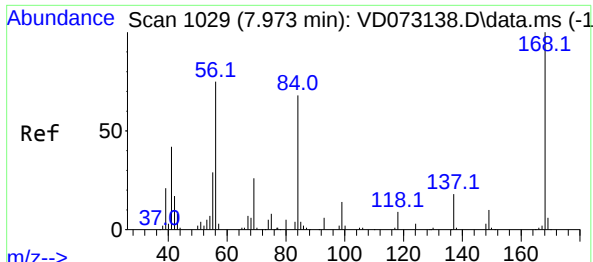
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052522\  
Data File : VD073377.D  
Acq On : 25 May 2022 23:07  
Operator : VA/SY  
Sample : N2886-01  
Misc : 5.46G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
P014-SS002-2430-01

Quant Time: May 26 02:27:55 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





Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. 0.000 min

Lab File: VD073377.D

Acq: 25 May 2022 23:07

Instrument :

MSVOA\_D

ClientSampleId :

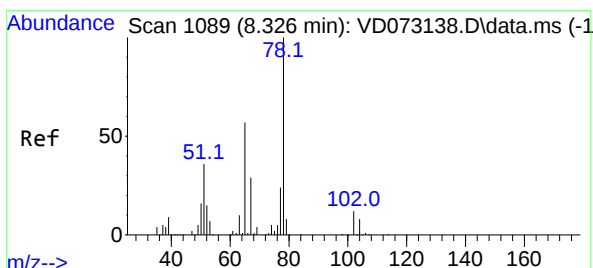
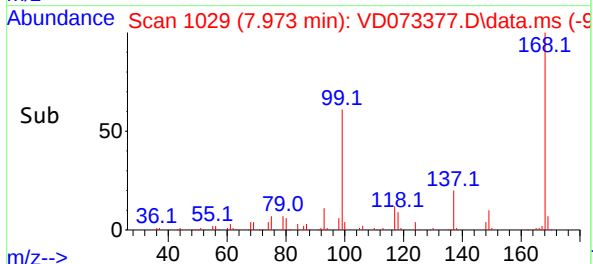
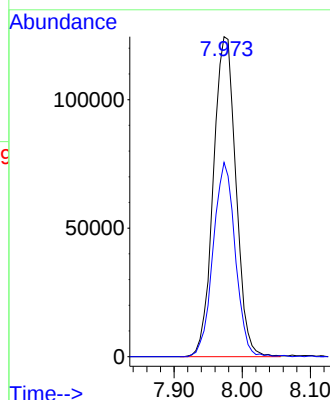
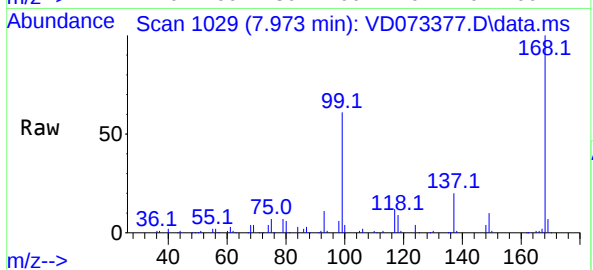
P014-SS002-2430-01

Tgt Ion:168 Resp: 287136

Ion Ratio Lower Upper

168 100

99 60.7 49.8 74.6



1,2-Dichloroethane-d4

Concen: 48.036 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD073377.D

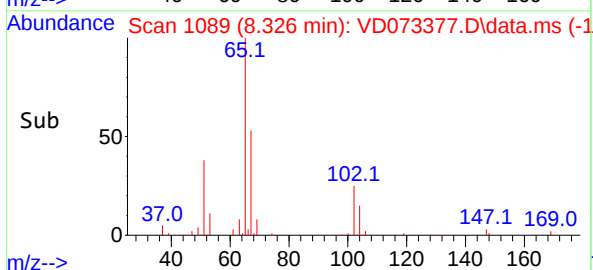
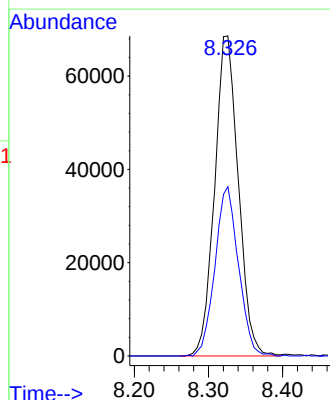
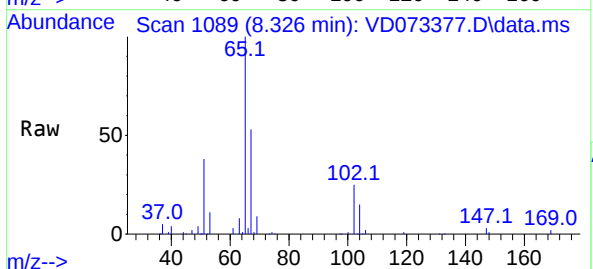
Acq: 25 May 2022 23:07

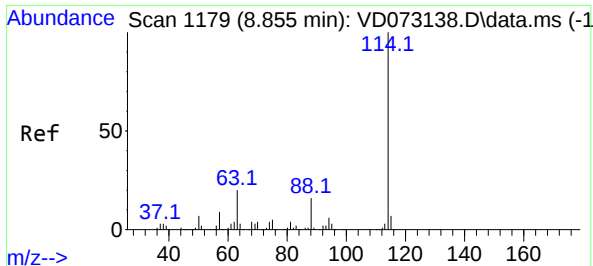
Tgt Ion: 65 Resp: 152430

Ion Ratio Lower Upper

65 100

67 52.3 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: VD073377.D

Acq: 25 May 2022 23:07

Instrument :

MSVOA\_D

ClientSampleId :

P014-SS002-2430-01

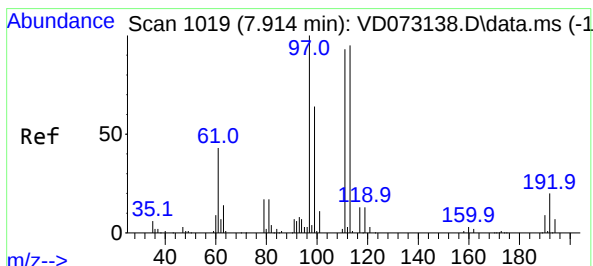
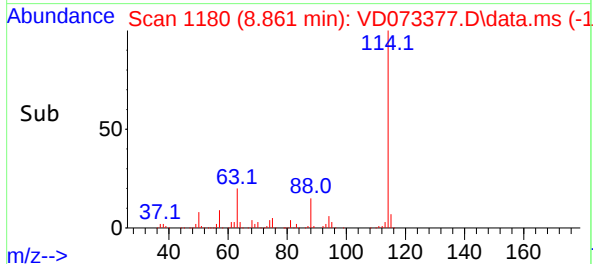
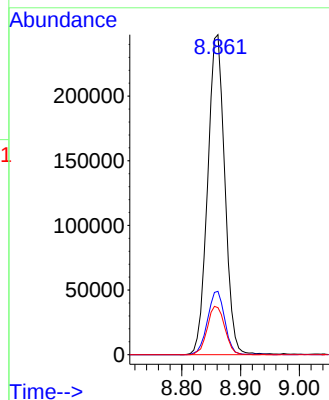
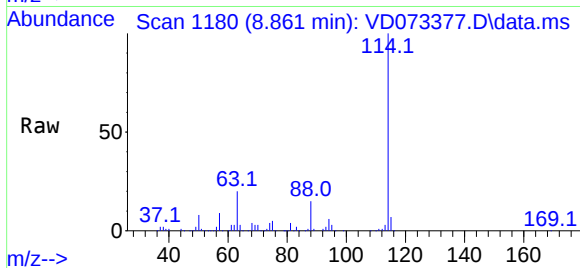
Tgt Ion:114 Resp: 502115

Ion Ratio Lower Upper

114 100

63 19.8 0.0 46.6

88 14.7 0.0 33.2



#35

Dibromofluoromethane

Concen: 51.739 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.005 min

Lab File: VD073377.D

Acq: 25 May 2022 23:07

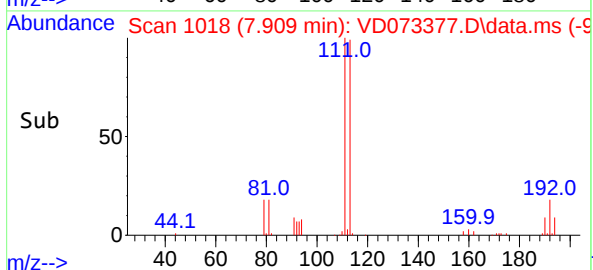
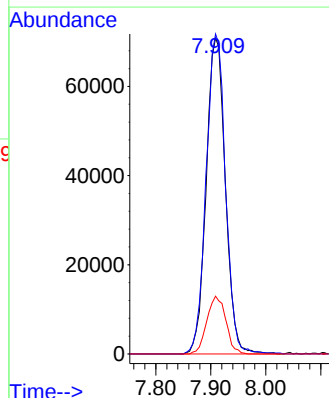
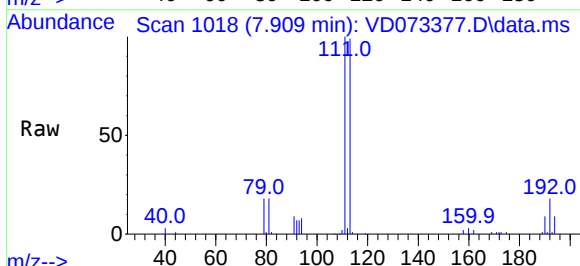
Tgt Ion:113 Resp: 171425

Ion Ratio Lower Upper

113 100

111 102.4 83.8 125.6

192 18.2 14.6 21.8

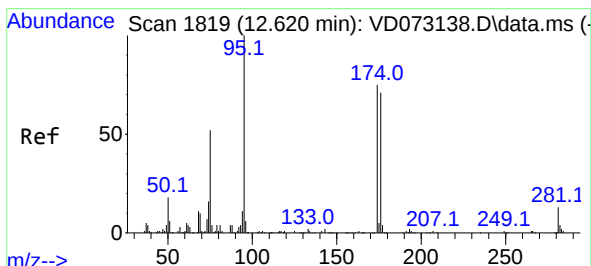
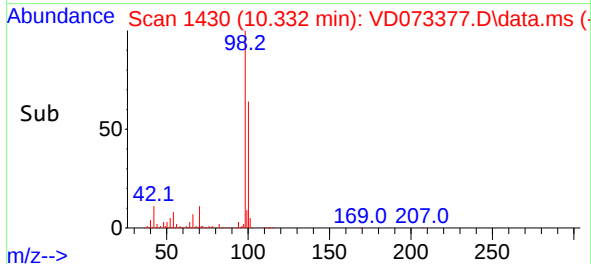
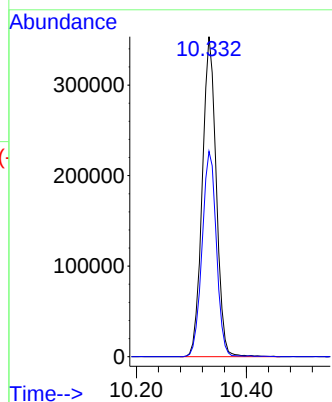
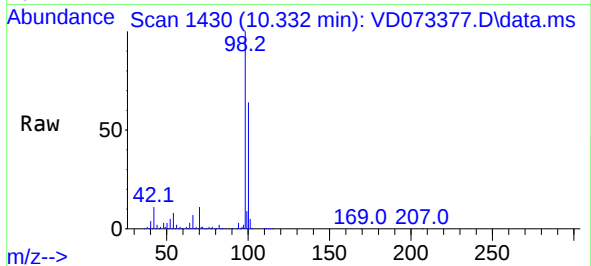




#50  
Toluene-d8  
Concen: 50.936 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD073377.D  
Acq: 25 May 2022 23:07

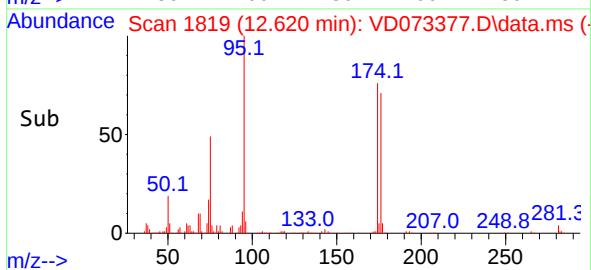
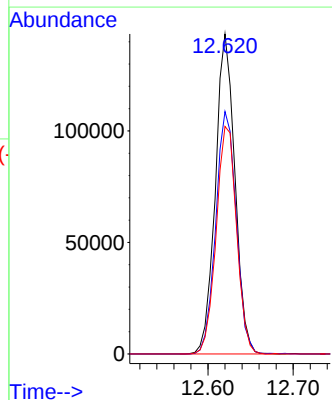
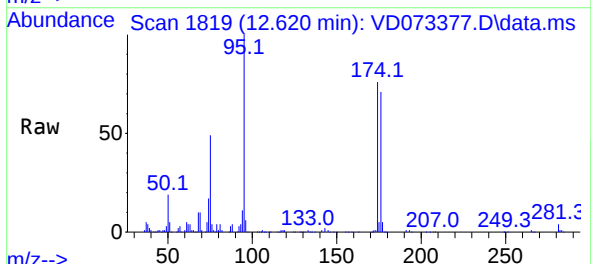
Instrument :  
MSVOA\_D  
ClientSampleId :  
P014-SS002-2430-01

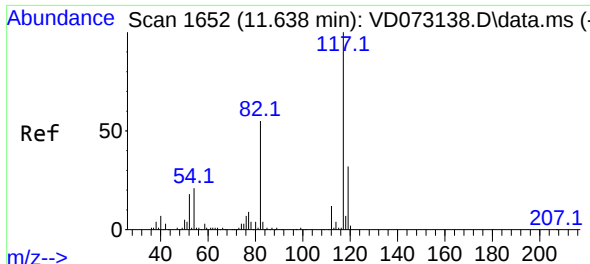
Tgt Ion: 98 Resp: 622113  
Ion Ratio Lower Upper  
98 100  
100 65.7 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 53.361 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.000 min  
Lab File: VD073377.D  
Acq: 25 May 2022 23:07

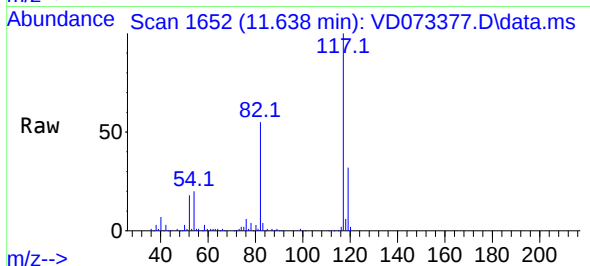
Tgt Ion: 95 Resp: 228719  
Ion Ratio Lower Upper  
95 100  
174 79.3 0.0 152.8  
176 74.2 0.0 145.4



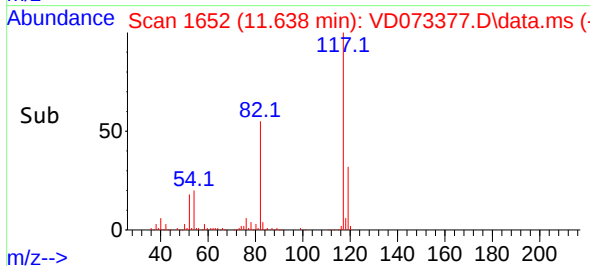
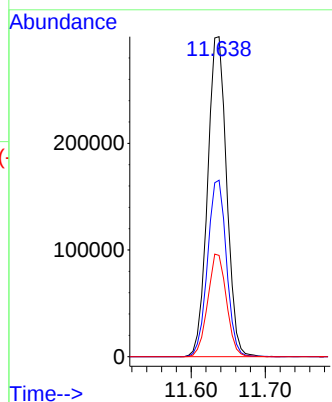


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VD073377.D  
Acq: 25 May 2022 23:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
P014-SS002-2430-01



Tgt Ion:117 Resp: 534777  
Ion Ratio Lower Upper  
117 100  
82 55.2 45.3 67.9  
119 31.7 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: VD073377.D  
Acq: 25 May 2022 23:07

Tgt Ion:152 Resp: 246759  
Ion Ratio Lower Upper  
152 100  
115 60.4 31.3 93.8  
150 155.5 0.0 348.6

