

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051922\  
 Data File : VD073179.D  
 Acq On : 20 May 2022 12:00  
 Operator : VA/SY  
 Sample : N2842-20  
 Misc : 5.07G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 P023-SS004-0006-01

Quant Time: May 20 13:10:00 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  | 295050   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 529216   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.637 | 117  | 544478   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.561 | 152  | 243102   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 178812   | 54.838   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 109.680% |
| 35) Dibromofluoromethane    | 7.914  | 113   | 184794   | 52.917   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 105.840% |
| 50) Toluene-d8              | 10.331 | 98    | 660454   | 51.306   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 102.620% |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 241470   | 53.451   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 106.900% |

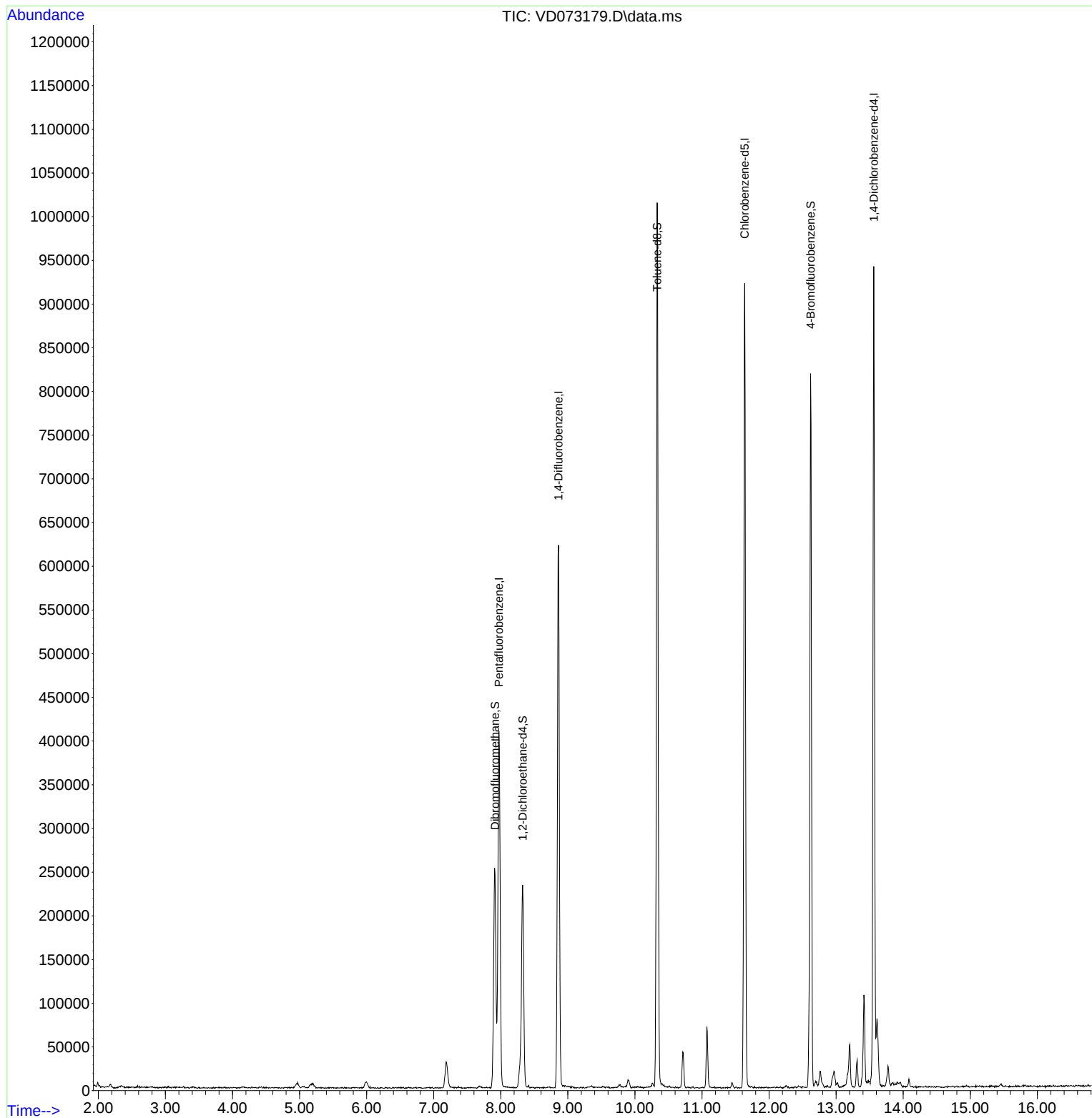
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

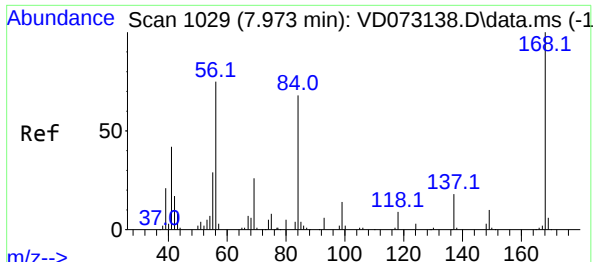
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD073179.D

Acq: 20 May 2022 12:00

Instrument :

MSVOA\_D

ClientSampleId :

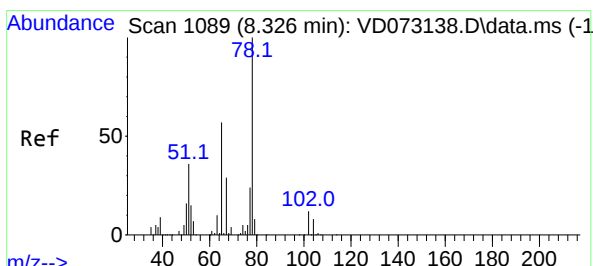
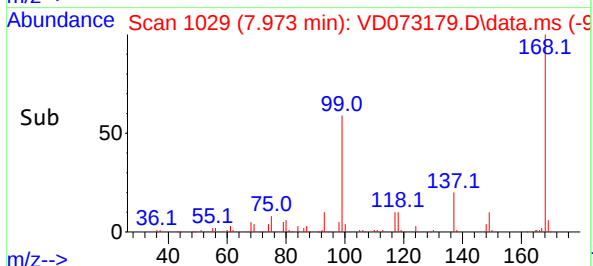
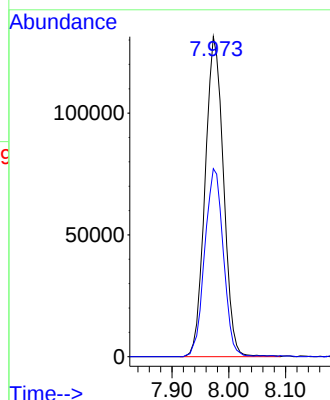
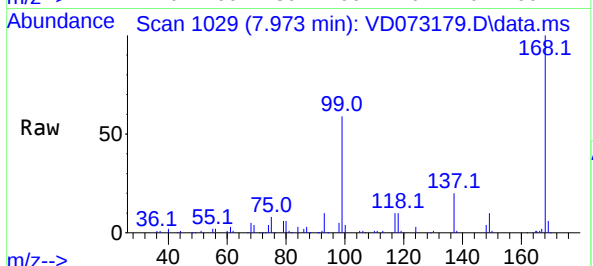
P023-SS004-0006-01

Tgt Ion:168 Resp: 295050

Ion Ratio Lower Upper

168 100

99 58.7 49.8 74.6



1,2-Dichloroethane-d4

Concen: 54.838 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD073179.D

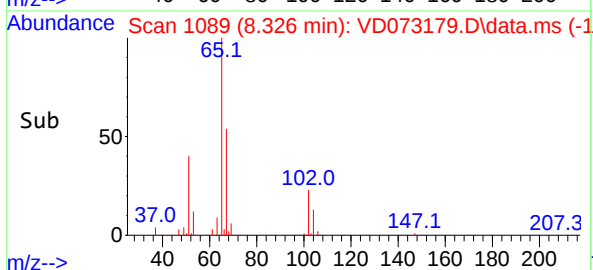
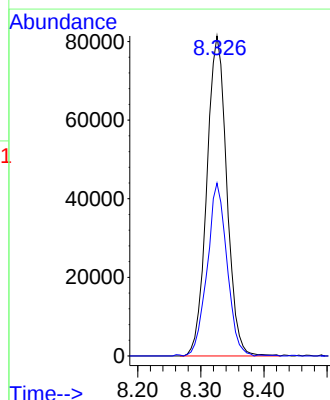
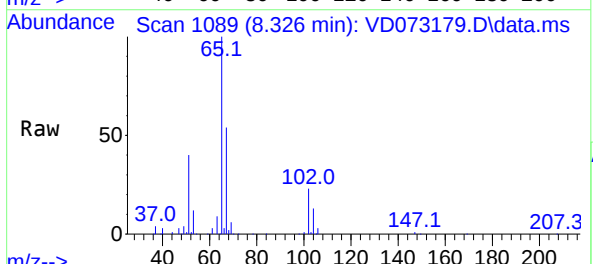
Acq: 20 May 2022 12:00

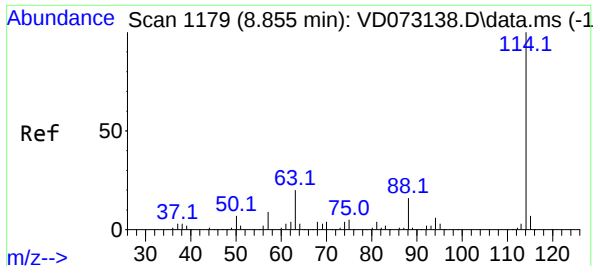
Tgt Ion: 65 Resp: 178812

Ion Ratio Lower Upper

65 100

67 53.5 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: VD073179.D

Acq: 20 May 2022 12:00

Instrument :

MSVOA\_D

ClientSampleId :

P023-SS004-0006-01

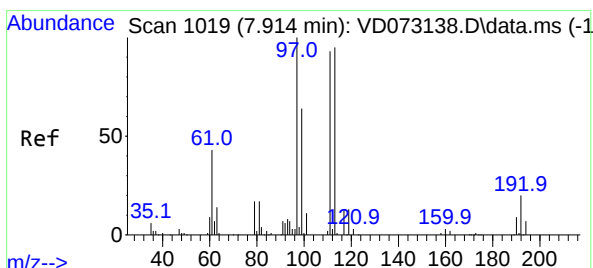
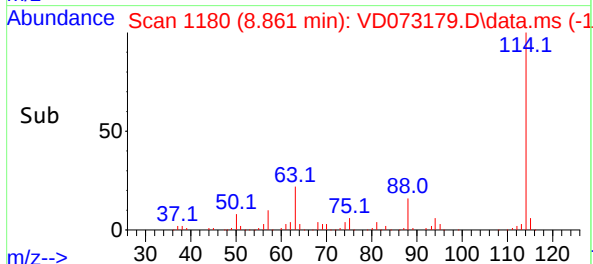
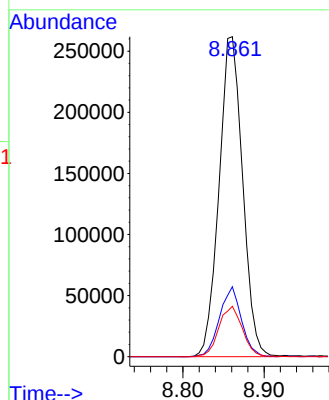
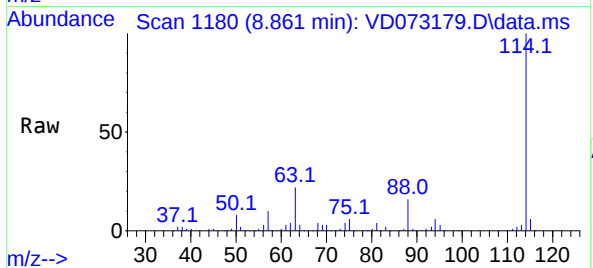
Tgt Ion:114 Resp: 529216

Ion Ratio Lower Upper

114 100

63 21.8 0.0 46.6

88 15.8 0.0 33.2



#35

Dibromofluoromethane

Concen: 52.917 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD073179.D

Acq: 20 May 2022 12:00

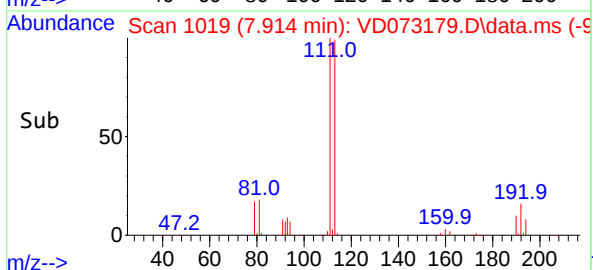
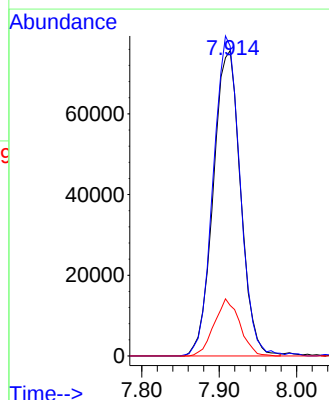
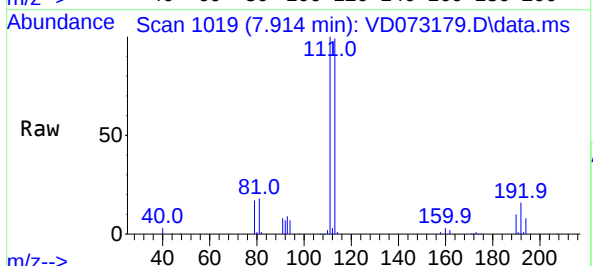
Tgt Ion:113 Resp: 184794

Ion Ratio Lower Upper

113 100

111 103.1 83.8 125.6

192 17.7 14.6 21.8

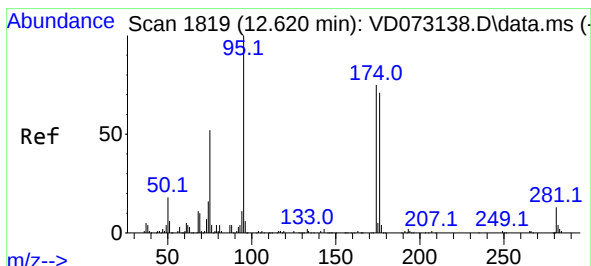
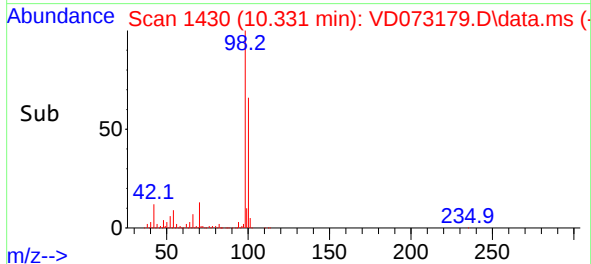
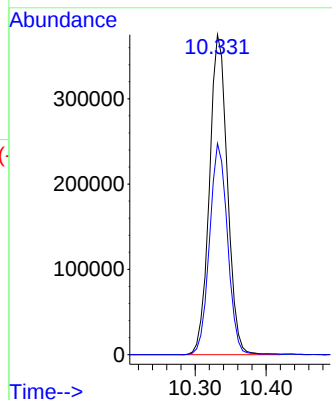
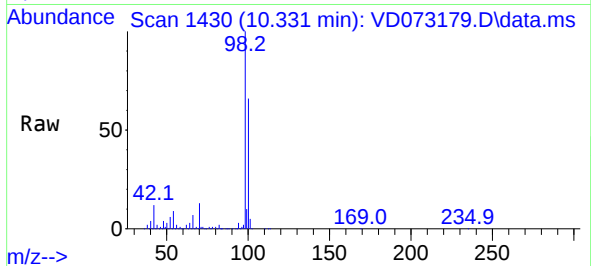




#50  
Toluene-d8  
Concen: 51.306 ug/l  
RT: 10.331 min Scan# 1430  
Delta R.T. -0.001 min  
Lab File: VD073179.D  
Acq: 20 May 2022 12:00

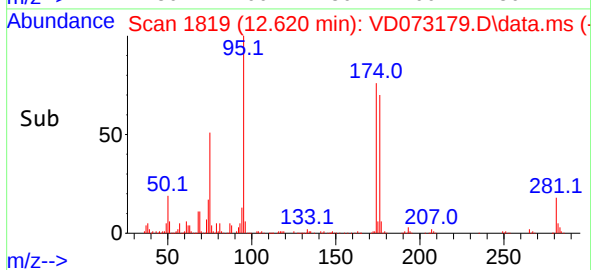
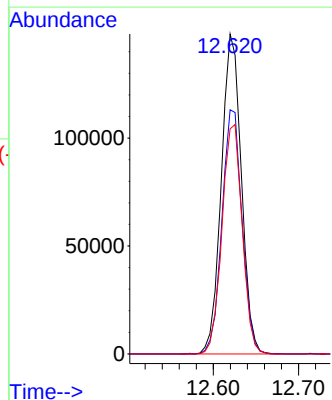
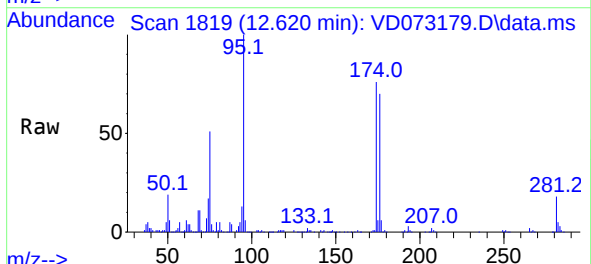
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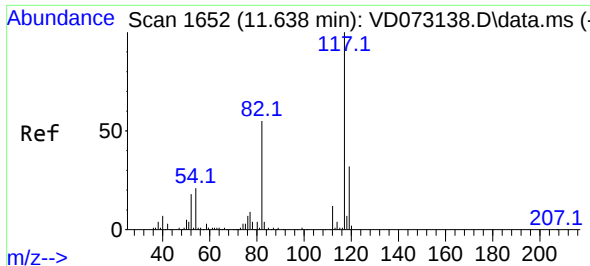
Tgt Ion: 98 Resp: 660454  
Ion Ratio Lower Upper  
98 100  
100 65.7 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 53.451 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.000 min  
Lab File: VD073179.D  
Acq: 20 May 2022 12:00

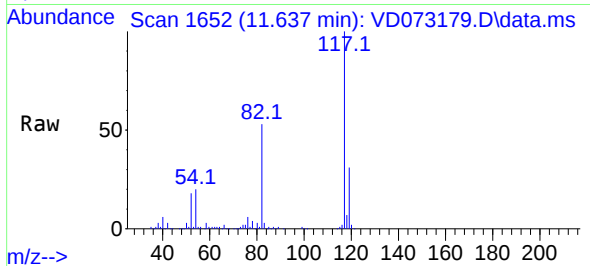
Tgt Ion: 95 Resp: 241470  
Ion Ratio Lower Upper  
95 100  
174 76.9 0.0 152.8  
176 72.4 0.0 145.4



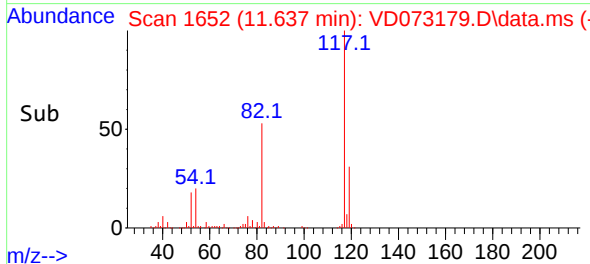
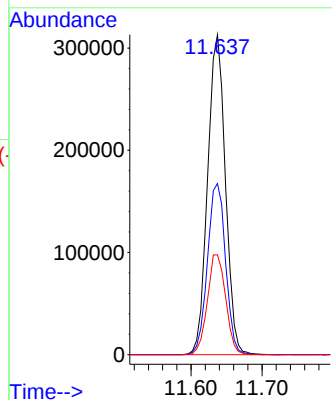


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.637 min Scan# 117  
Delta R.T. -0.001 min  
Lab File: VD073179.D  
Acq: 20 May 2022 12:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
P023-SS004-0006-01



Tgt Ion:117 Resp: 544478  
Ion Ratio Lower Upper  
117 100  
82 53.5 45.3 67.9  
119 31.2 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: VD073179.D  
Acq: 20 May 2022 12:00

Tgt Ion:152 Resp: 243102  
Ion Ratio Lower Upper  
152 100  
115 61.0 31.3 93.8  
150 156.8 0.0 348.6

