

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052323\  
 Data File : VD076204.D  
 Acq On : 23 May 2023 20:29  
 Operator : KP/SY  
 Sample : 02867-21  
 Misc : 5.24G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP14

Quant Time: May 24 06:43:22 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051523S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 16 10:08:53 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 304686   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 626220   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 552217   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.522 | 152  | 224553   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 130248   | 44.231   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 88.460% |
| 35) Dibromofluoromethane    | 7.804  | 113   | 171085   | 39.525   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 79.040% |
| 50) Toluene-d8              | 10.269 | 98    | 508628   | 30.143   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 60.280% |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 186393   | 39.766   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 79.540% |

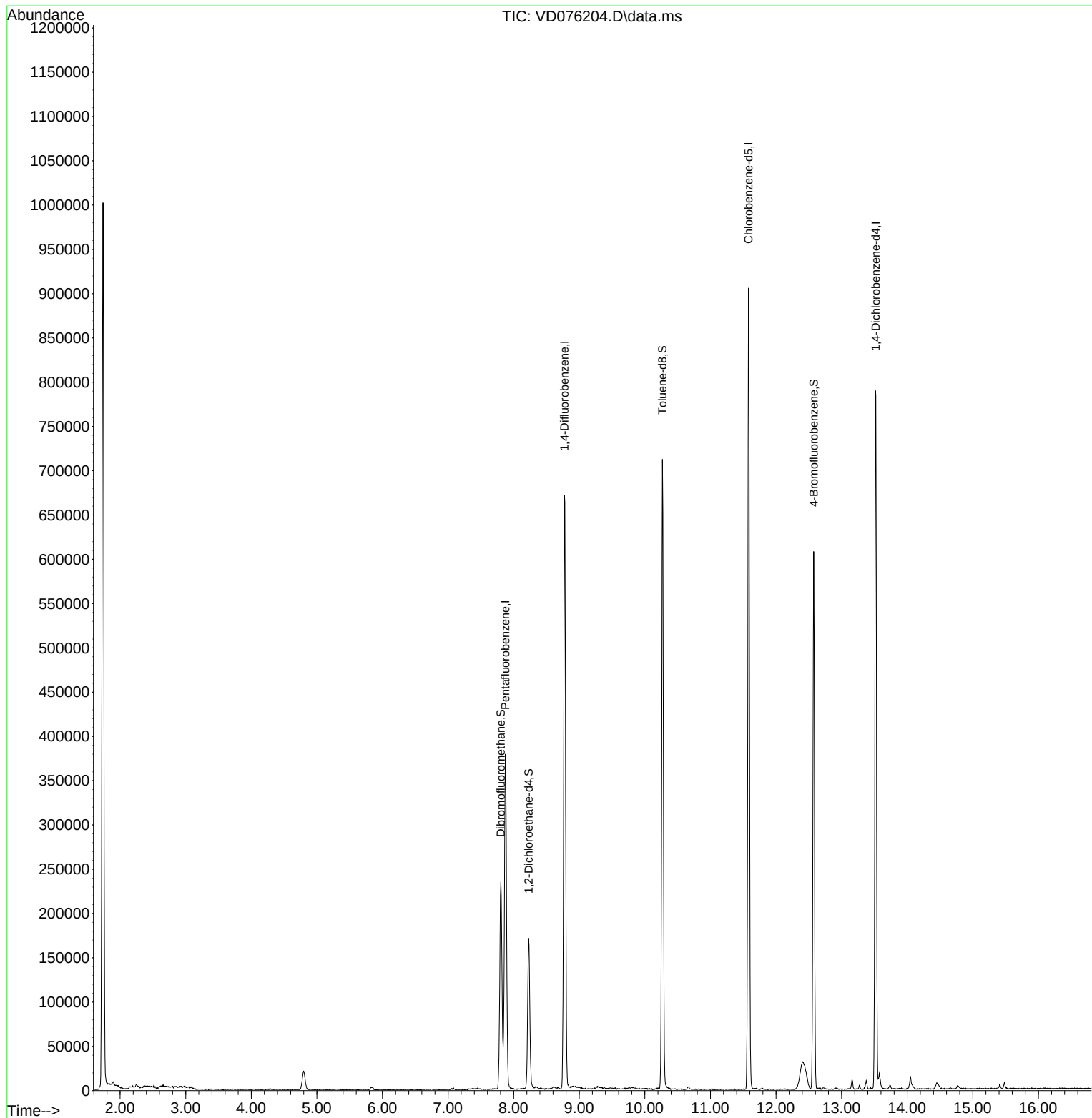
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

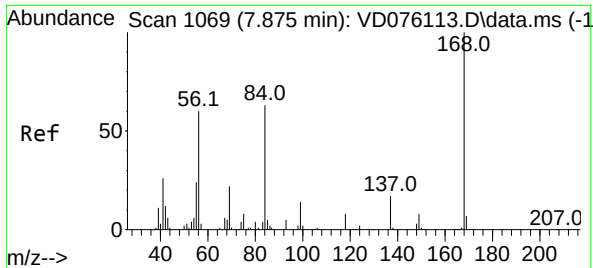
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue May 16 10:08:53 2023  
Response via : Initial Calibration

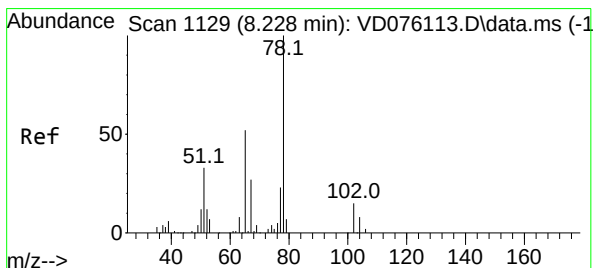
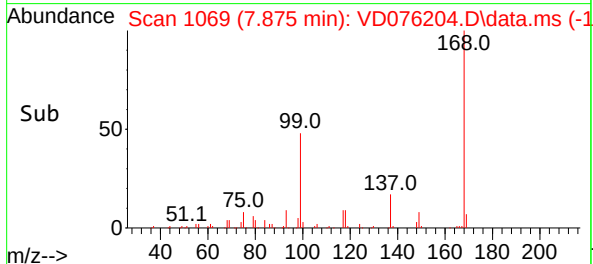
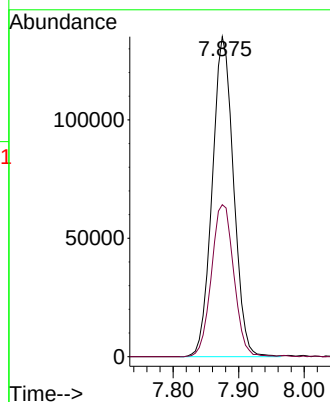
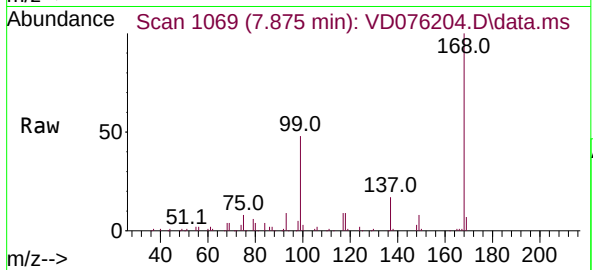




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.000 min  
Lab File: VD076204.D  
Acq: 23 May 2023 20:29

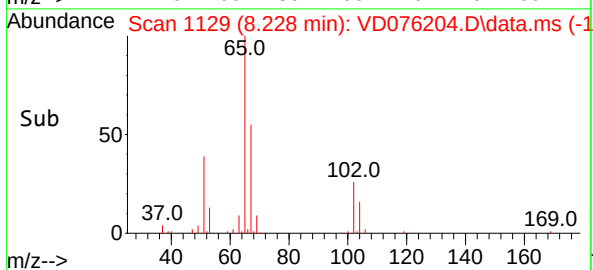
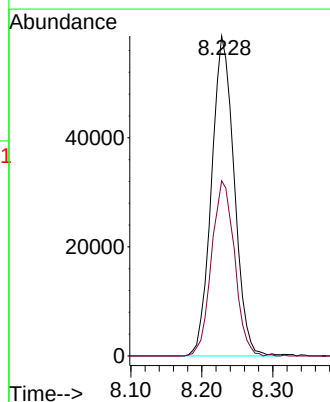
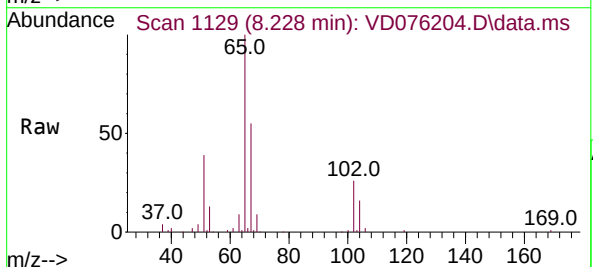
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP14

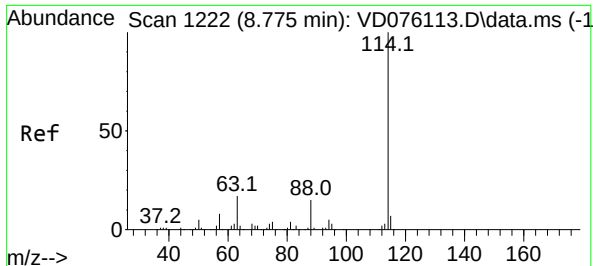
Tgt Ion:168 Resp: 304686  
Ion Ratio Lower Upper  
168 100  
99 47.5 43.8 65.6



#33  
1,2-Dichloroethane-d4  
Concen: 44.231 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. -0.006 min  
Lab File: VD076204.D  
Acq: 23 May 2023 20:29

Tgt Ion: 65 Resp: 130248  
Ion Ratio Lower Upper  
65 100  
67 55.6 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD076204.D

Acq: 23 May 2023 20:29

Instrument :

MSVOA\_D

ClientSampleId :

TP14

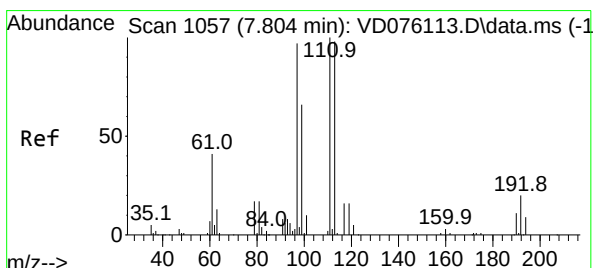
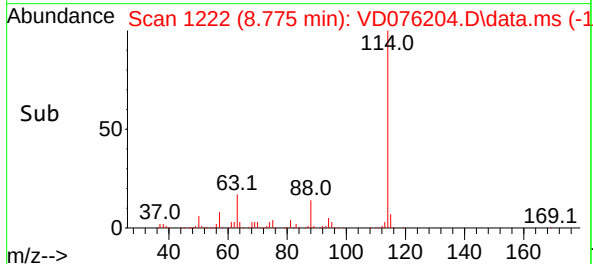
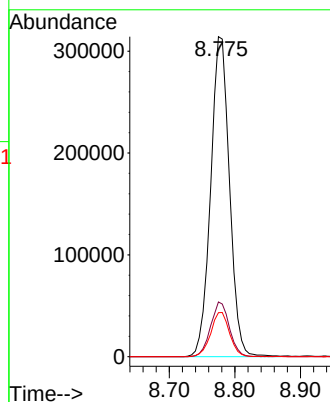
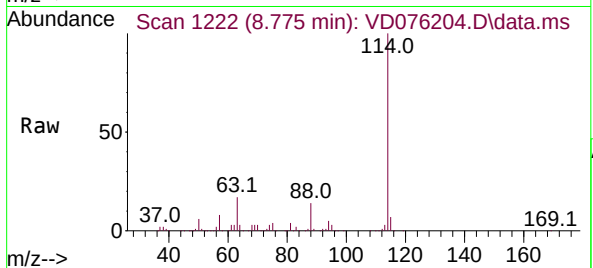
Tgt Ion:114 Resp: 626220

Ion Ratio Lower Upper

114 100

63 17.1 0.0 41.6

88 13.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 39.525 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076204.D

Acq: 23 May 2023 20:29

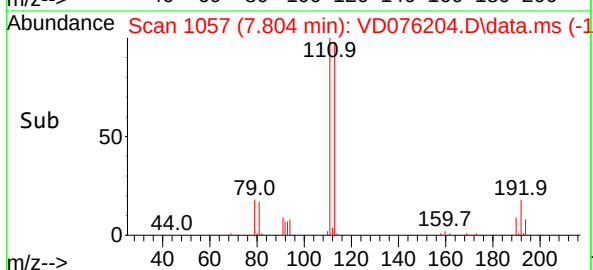
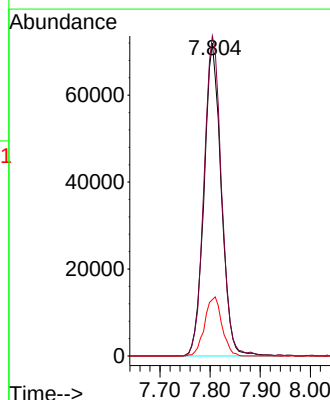
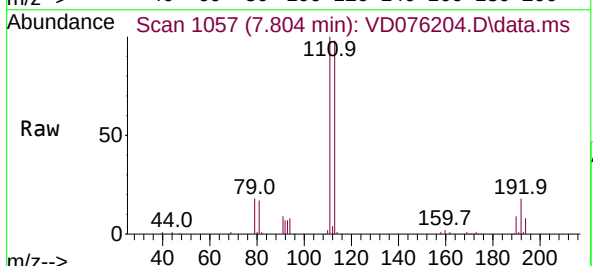
Tgt Ion:113 Resp: 171085

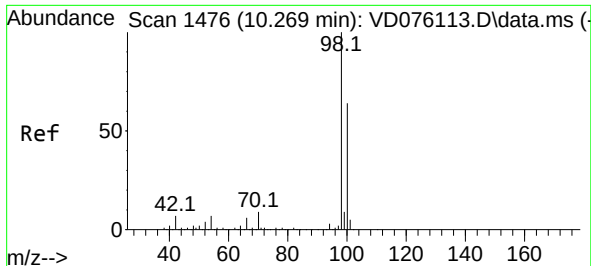
Ion Ratio Lower Upper

113 100

111 104.1 81.4 122.0

192 19.0 15.2 22.8

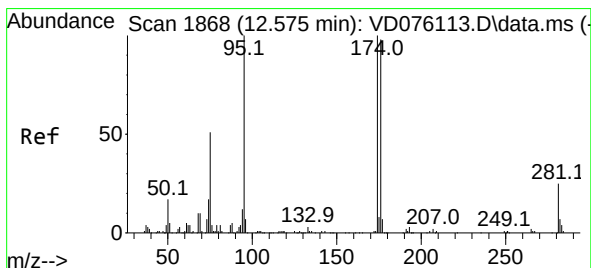
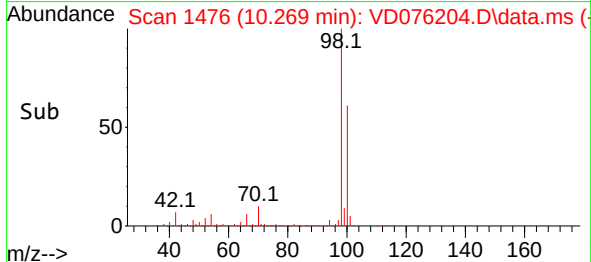
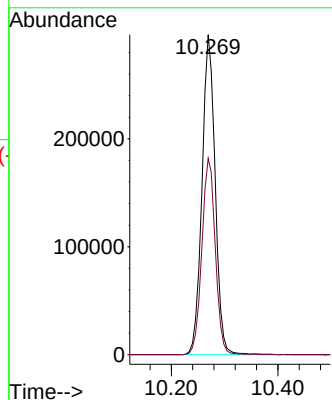
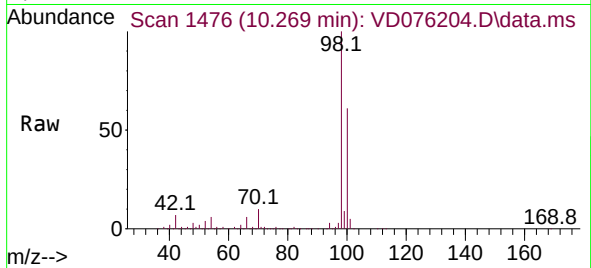




#50  
Toluene-d8  
Concen: 30.143 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. -0.000 min  
Lab File: VD076204.D  
Acq: 23 May 2023 20:29

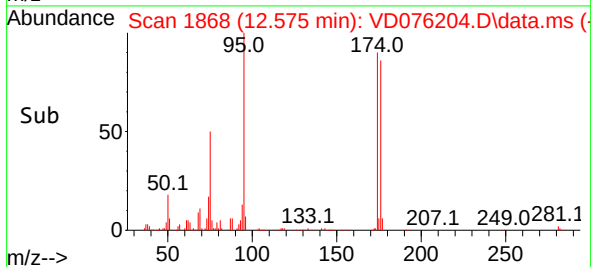
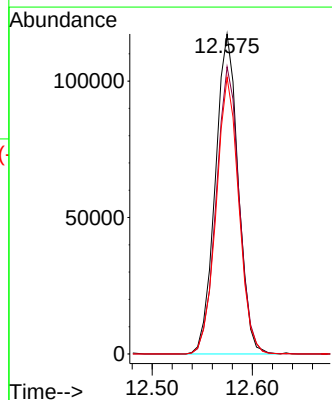
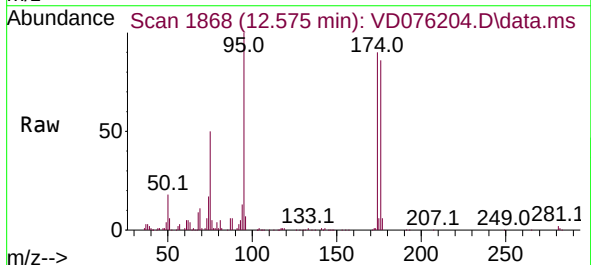
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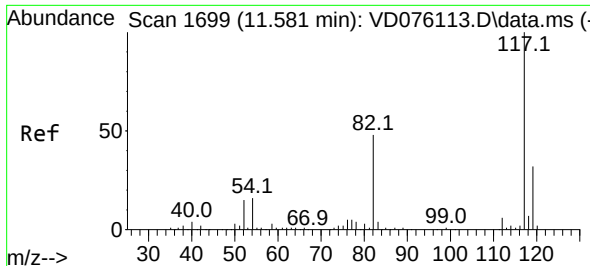
Tgt Ion: 98 Resp: 508628  
Ion Ratio Lower Upper  
98 100  
100 62.5 52.1 78.1



#62  
4-Bromofluorobenzene  
Concen: 39.766 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD076204.D  
Acq: 23 May 2023 20:29

Tgt Ion: 95 Resp: 186393  
Ion Ratio Lower Upper  
95 100  
174 89.7 0.0 164.0  
176 85.2 0.0 156.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD076204.D

Acq: 23 May 2023 20:29

Instrument :

MSVOA\_D

ClientSampleId :

TP14

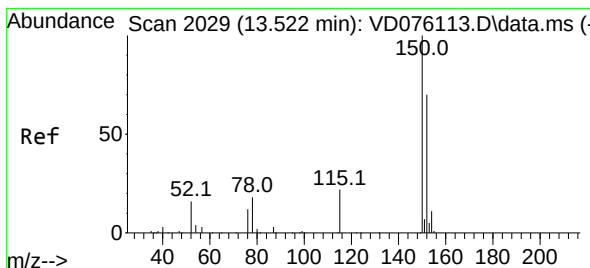
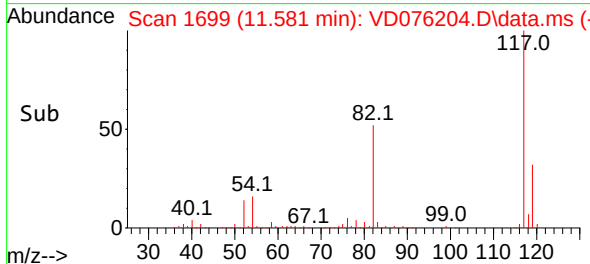
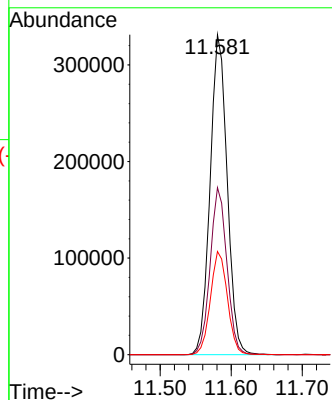
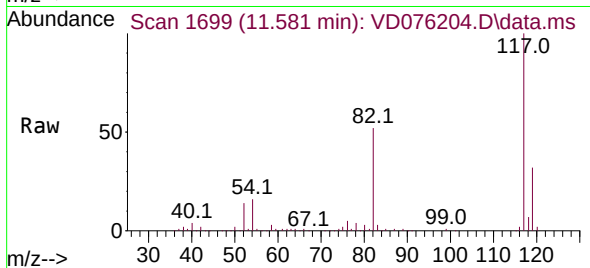
Tgt Ion:117 Resp: 552217

Ion Ratio Lower Upper

117 100

82 52.2 44.0 66.0

119 32.2 25.1 37.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2029

Delta R.T. -0.000 min

Lab File: VD076204.D

Acq: 23 May 2023 20:29

Tgt Ion:152 Resp: 224553

Ion Ratio Lower Upper

152 100

115 54.6 30.1 90.3

150 158.9 0.0 364.8

