

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD013123\  
 Data File : VD075251.D  
 Acq On : 31 Jan 2023 12:38  
 Operator : KP/SY  
 Sample : 01348-05RE  
 Misc : 5.01G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MID2-H5(32-34)RE

Quant Time: Feb 01 00:41:05 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 19 01:32:27 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.875  | 168   | 6060     | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.781  | 114   | 10810    | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.587 | 117   | 11428    | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.522 | 152   | 5187     | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.234  | 65    | 4919     | 79.547   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 159.100% |
| 35) Dibromofluoromethane    | 7.810  | 113   | 3766     | 57.653   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 115.300% |
| 50) Toluene-d8              | 10.275 | 98    | 13002    | 50.553   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 101.100% |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 5003     | 61.292   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 122.580% |

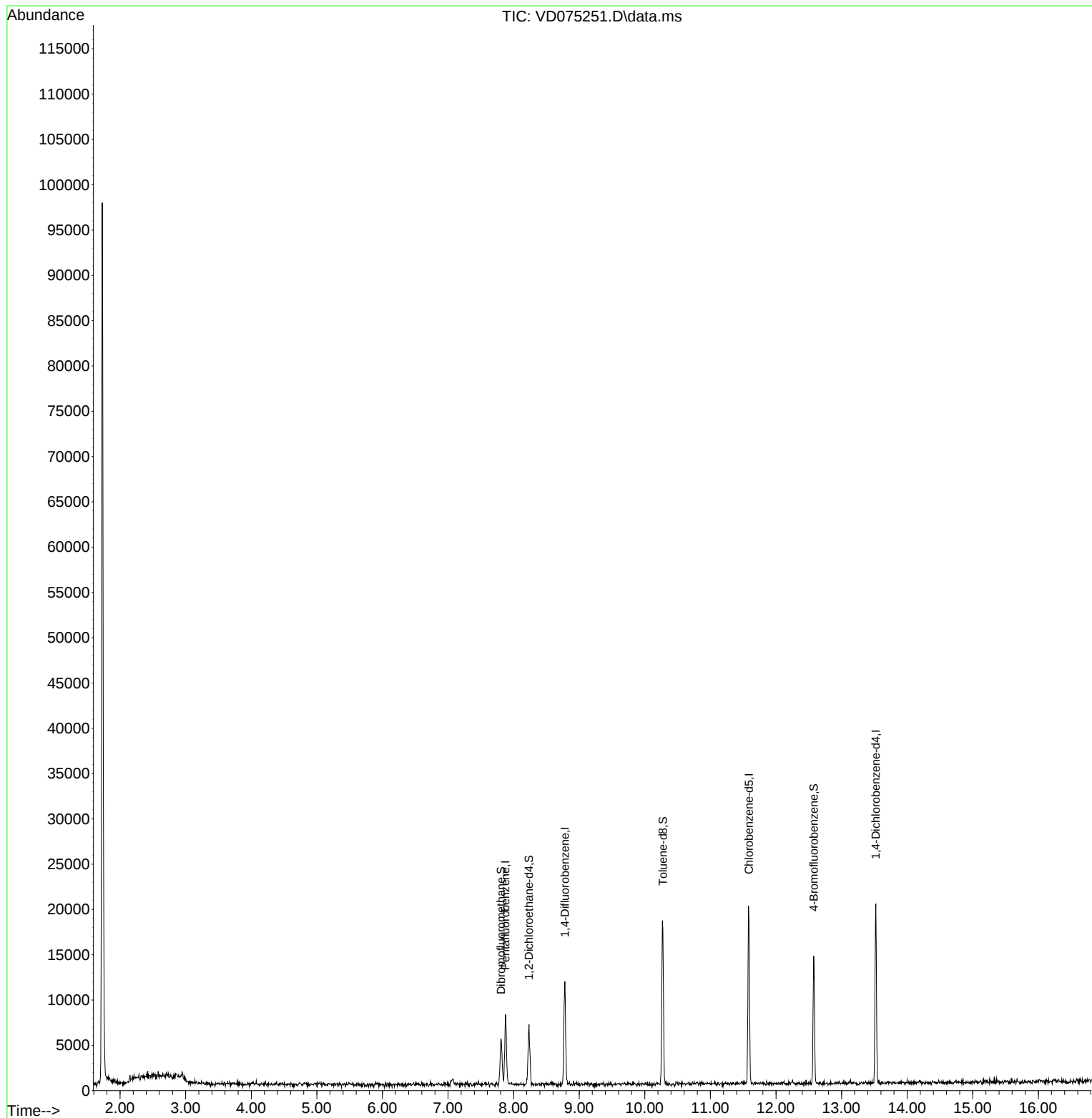
|                  |        |
|------------------|--------|
| Target Compounds | Qvalue |
| -----            |        |

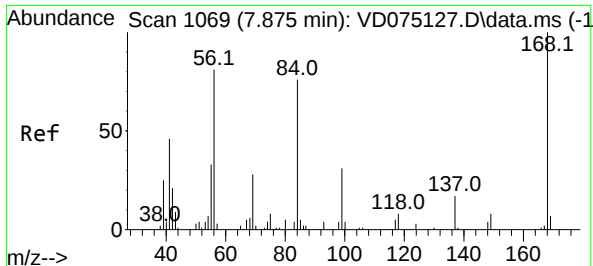
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
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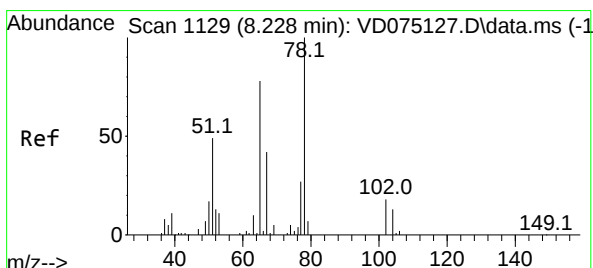
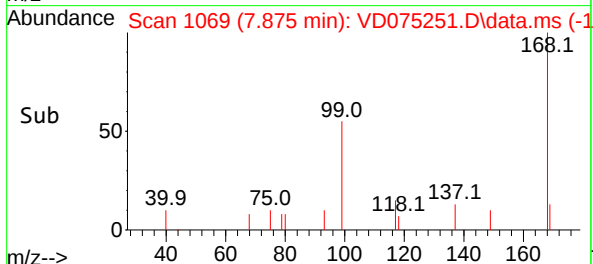
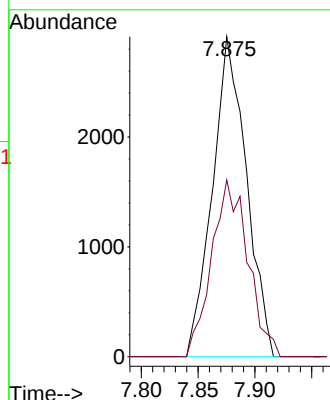
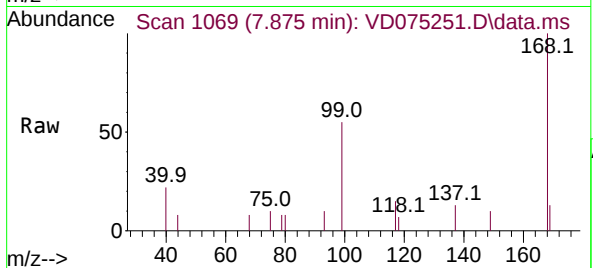




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1130  
Delta R.T. 0.000 min  
Lab File: VD075251.D  
Acq: 31 Jan 2023 12:38

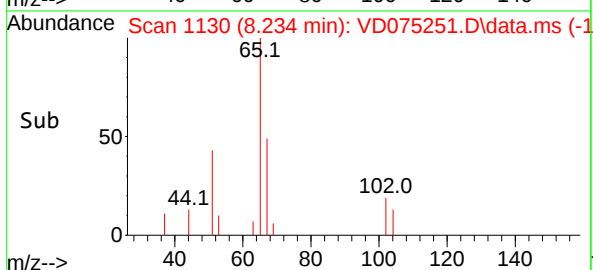
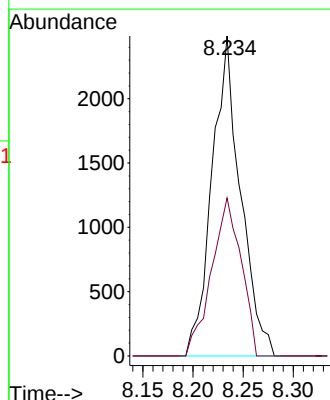
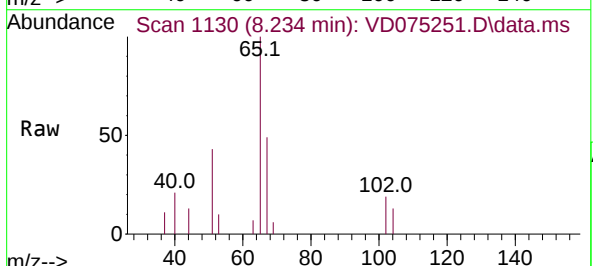
Instrument :  
MSVOA\_D  
ClientSampleId :  
MID2-H5(32-34)RE

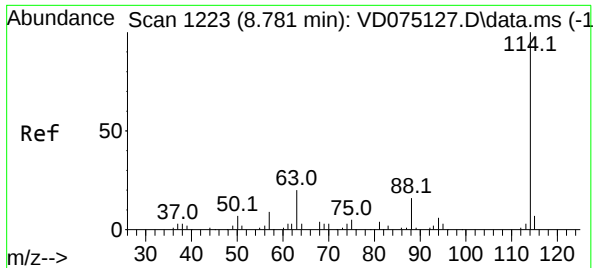
Tgt Ion:168 Resp: 6060  
Ion Ratio Lower Upper  
168 100  
99 55.2 45.2 67.8



#33  
1,2-Dichloroethane-d4  
Concen: 79.547 ug/l  
RT: 8.234 min Scan# 1130  
Delta R.T. 0.006 min  
Lab File: VD075251.D  
Acq: 31 Jan 2023 12:38

Tgt Ion: 65 Resp: 4919  
Ion Ratio Lower Upper  
65 100  
67 51.0 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD075251.D

Acq: 31 Jan 2023 12:38

Instrument :

MSVOA\_D

ClientSampleId :

MID2-H5(32-34)RE

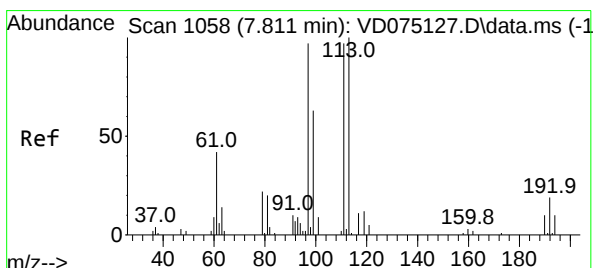
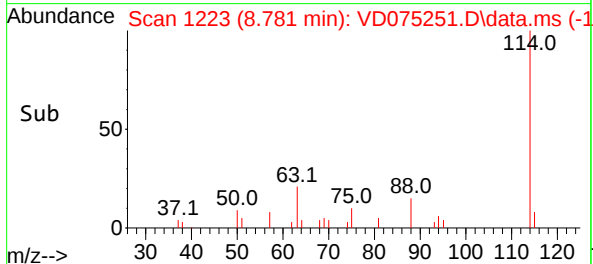
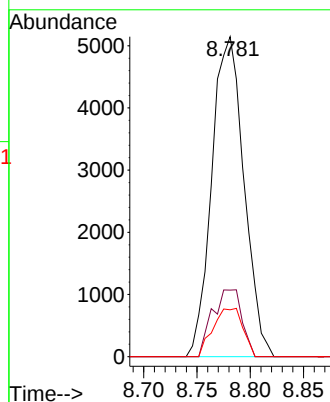
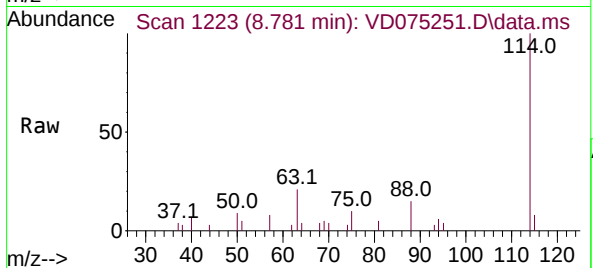
Tgt Ion:114 Resp: 10810

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.2

88 14.7 0.0 32.2



#35

Dibromofluoromethane

Concen: 57.653 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VD075251.D

Acq: 31 Jan 2023 12:38

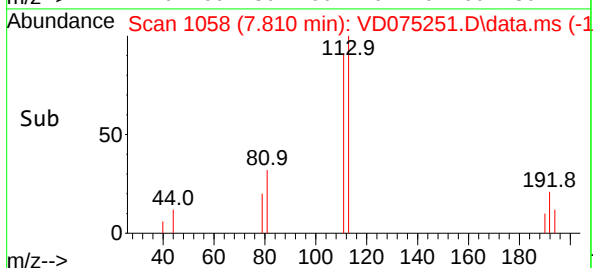
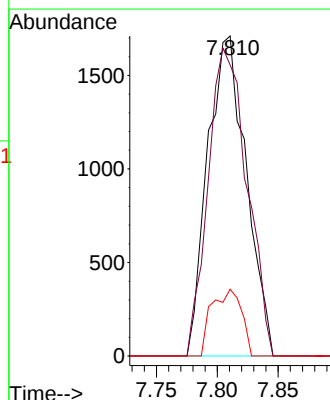
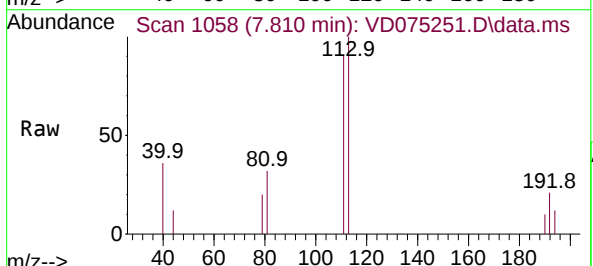
Tgt Ion:113 Resp: 3766

Ion Ratio Lower Upper

113 100

111 97.1 80.1 120.1

192 16.1 15.4 23.0

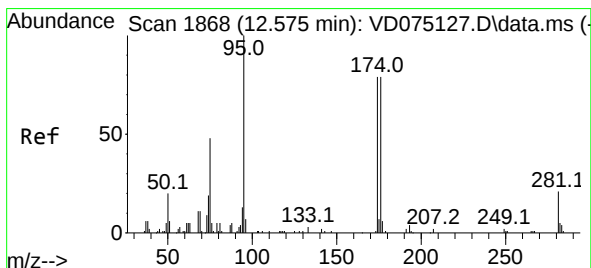
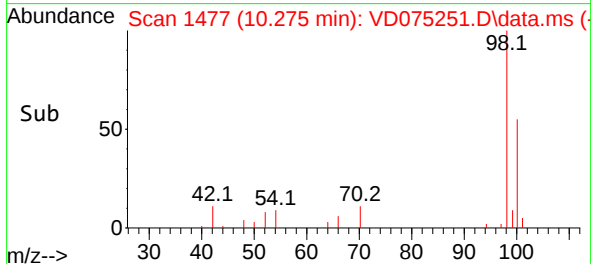
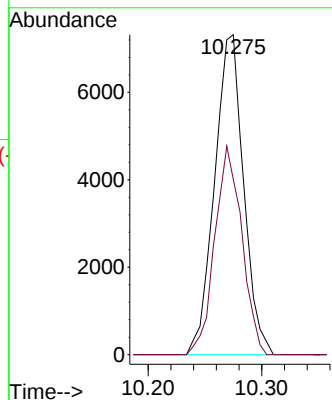
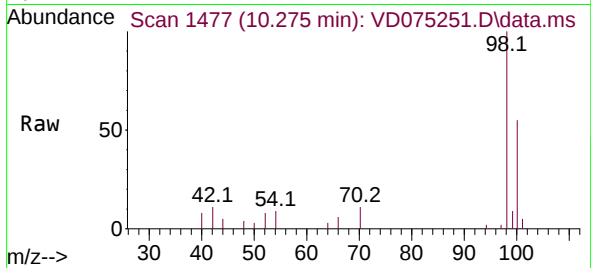




#50  
Toluene-d8  
Concen: 50.553 ug/l  
RT: 10.275 min Scan# 1476  
Delta R.T. 0.006 min  
Lab File: VD075251.D  
Acq: 31 Jan 2023 12:38

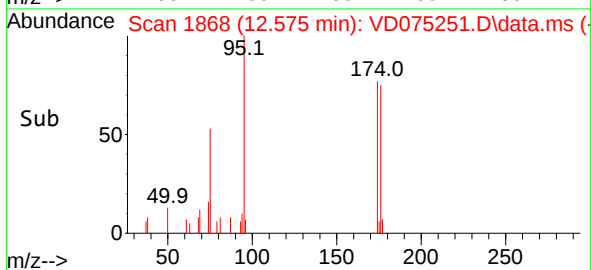
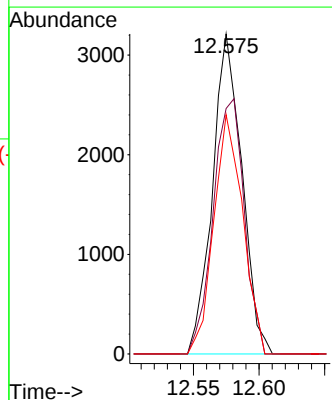
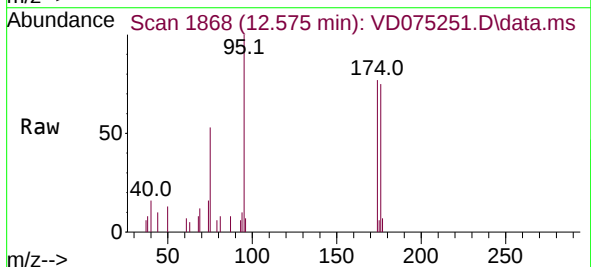
Instrument :  
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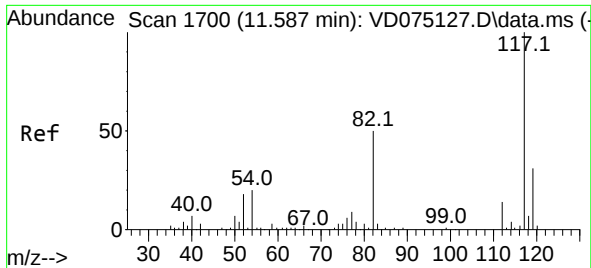
Tgt Ion: 98 Resp: 13002  
Ion Ratio Lower Upper  
98 100  
100 60.7 52.7 79.1



#62  
4-Bromofluorobenzene  
Concen: 61.292 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD075251.D  
Acq: 31 Jan 2023 12:38

Tgt Ion: 95 Resp: 5003  
Ion Ratio Lower Upper  
95 100  
174 84.2 0.0 161.2  
176 73.8 0.0 160.2

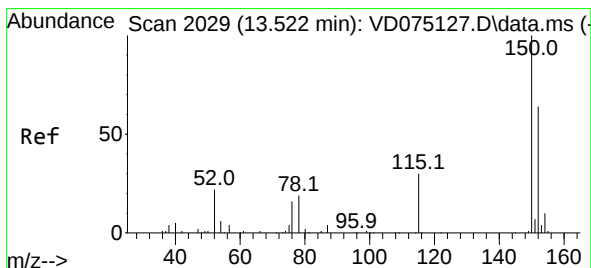
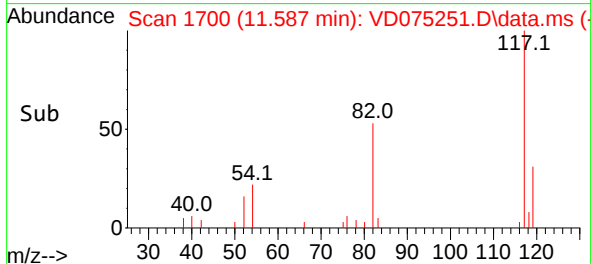
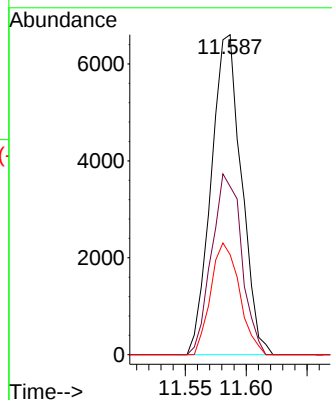
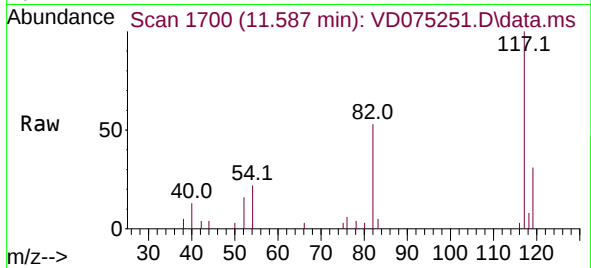




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.587 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD075251.D  
Acq: 31 Jan 2023 12:38

Instrument :  
MSVOA\_D  
ClientSampleId :  
MID2-H5(32-34)RE

Tgt Ion:117 Resp: 11428  
Ion Ratio Lower Upper  
117 100  
82 52.6 39.6 59.4  
119 31.2 24.6 37.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.522 min Scan# 2029  
Delta R.T. -0.000 min  
Lab File: VD075251.D  
Acq: 31 Jan 2023 12:38

Tgt Ion:152 Resp: 5187  
Ion Ratio Lower Upper  
152 100  
115 61.8 28.8 86.4  
150 159.7 0.0 348.6

