

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD092823\  
 Data File : VD077242.D  
 Acq On : 28 Sep 2023 21:03  
 Operator : JC/SY  
 Sample : 04636-01  
 Misc : 5.05G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 OR-03-09272023

Quant Time: Sep 29 02:23:14 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D091823S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 19 04:46:37 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 81848    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.781  | 114  | 178414   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 239323   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 120682   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 47502    | 57.507   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 115.020% |
| 35) Dibromofluoromethane    | 7.810  | 113   | 60992    | 49.217   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 98.440%  |
| 50) Toluene-d8              | 10.269 | 98    | 226652   | 51.383   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 102.760% |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 95932    | 70.168   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 140.340% |

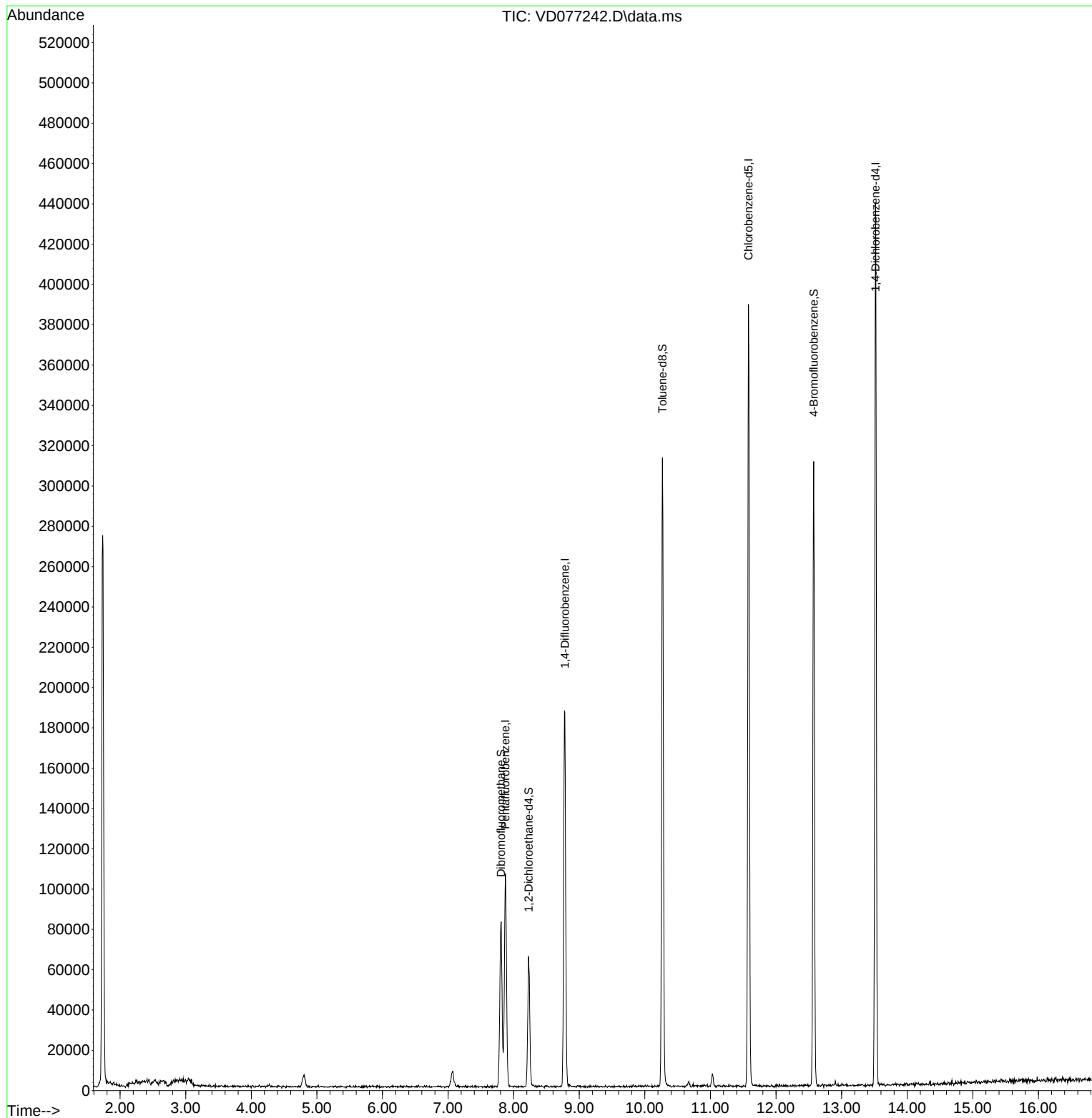
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

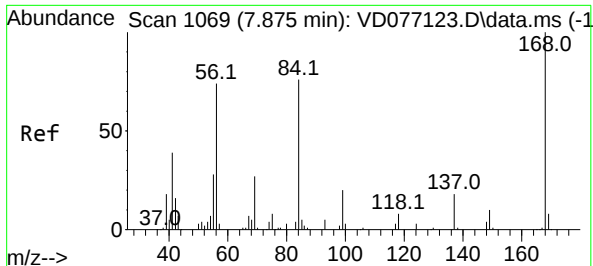
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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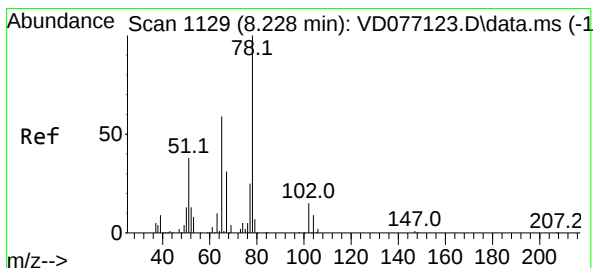
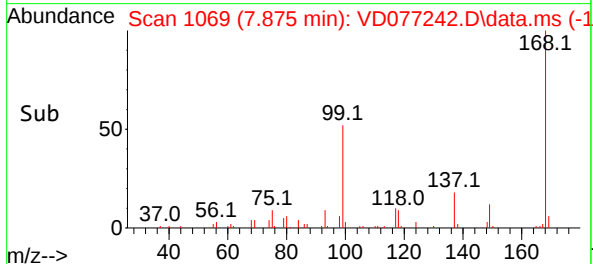
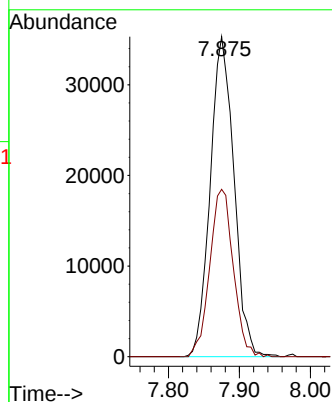
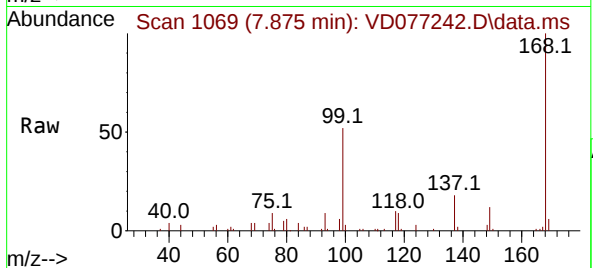




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.000 min  
Lab File: VD077242.D  
Acq: 28 Sep 2023 21:03

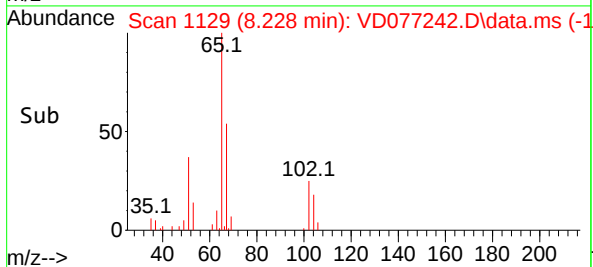
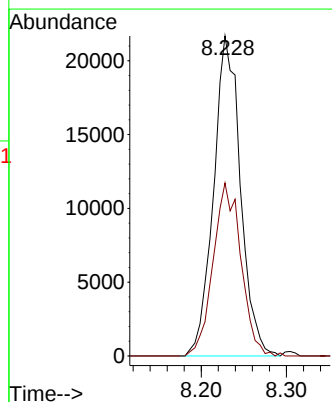
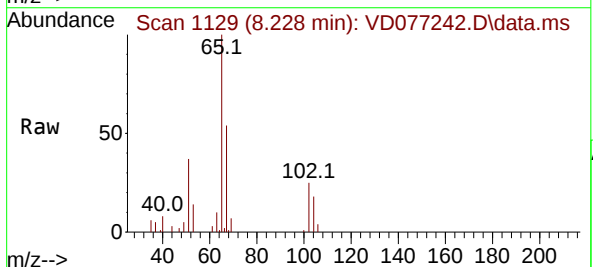
Instrument :  
MSVOA\_D  
ClientSampleId :  
OR-03-09272023

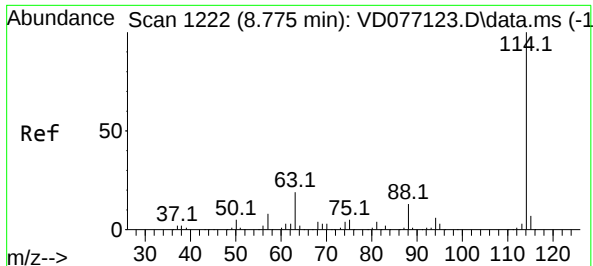
Tgt Ion:168 Resp: 81848  
Ion Ratio Lower Upper  
168 100  
99 52.3 36.7 55.1



#33  
1,2-Dichloroethane-d4  
Concen: 57.507 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. 0.000 min  
Lab File: VD077242.D  
Acq: 28 Sep 2023 21:03

Tgt Ion: 65 Resp: 47502  
Ion Ratio Lower Upper  
65 100  
67 56.0 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD077242.D

Acq: 28 Sep 2023 21:03

Instrument :

MSVOA\_D

ClientSampleId :

OR-03-09272023

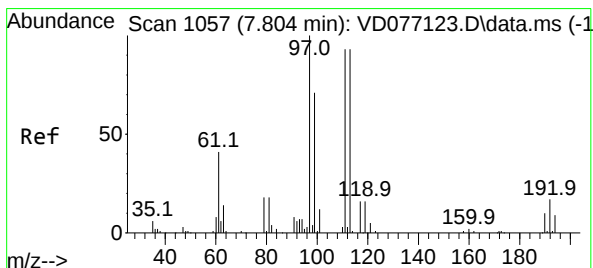
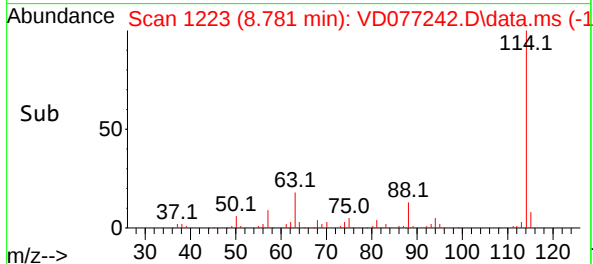
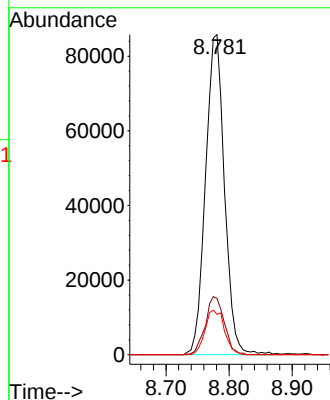
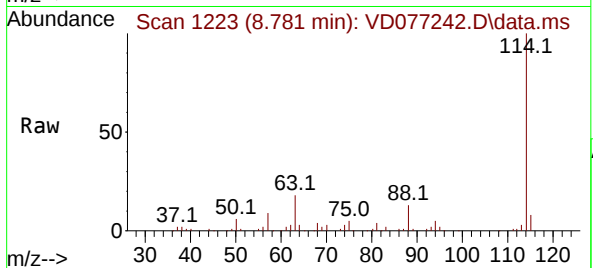
Tgt Ion:114 Resp: 178414

Ion Ratio Lower Upper

114 100

63 17.6 0.0 33.4

88 12.6 0.0 26.2



#35

Dibromofluoromethane

Concen: 49.217 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077242.D

Acq: 28 Sep 2023 21:03

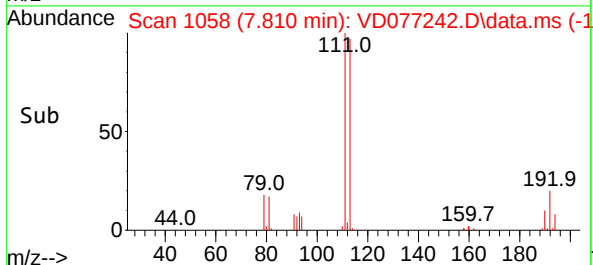
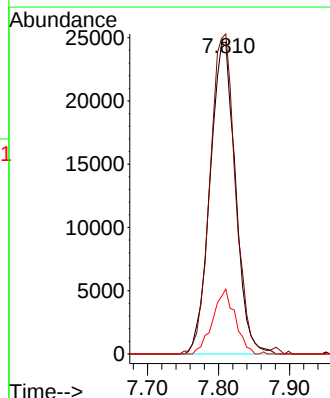
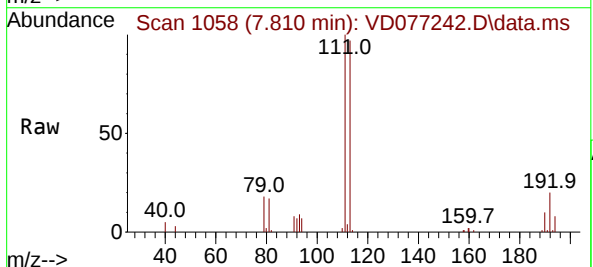
Tgt Ion:113 Resp: 60992

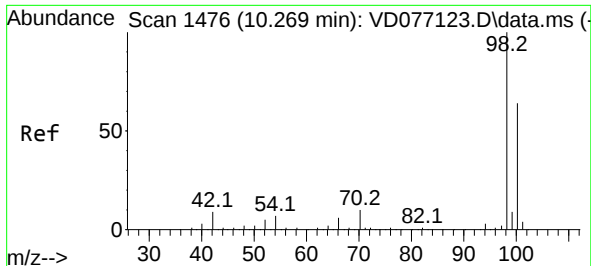
Ion Ratio Lower Upper

113 100

111 102.7 84.7 127.1

192 18.4 16.8 25.2

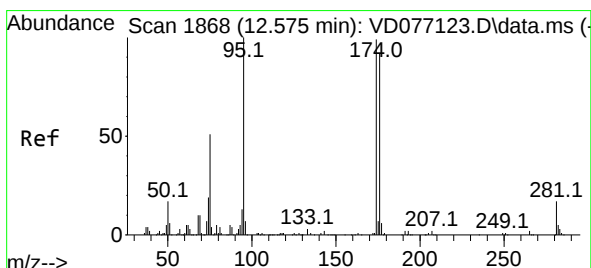
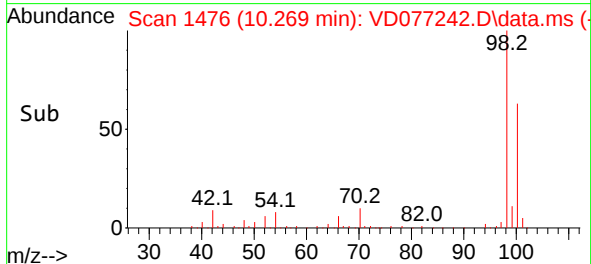
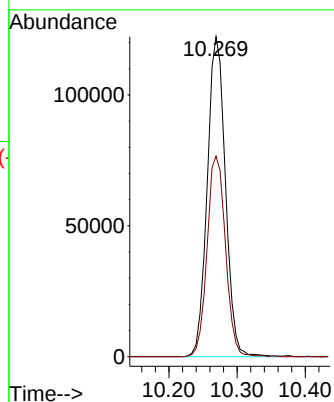
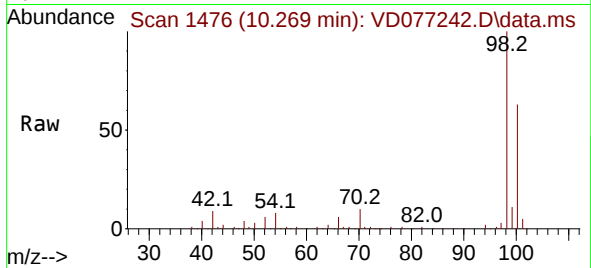




#50  
Toluene-d8  
Concen: 51.383 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD077242.D  
Acq: 28 Sep 2023 21:03

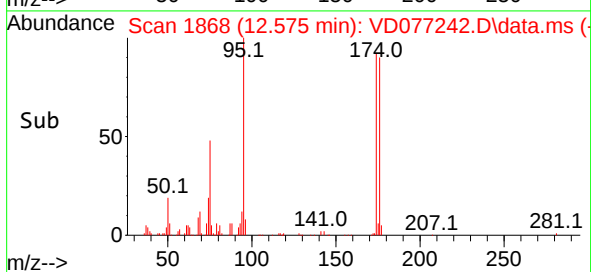
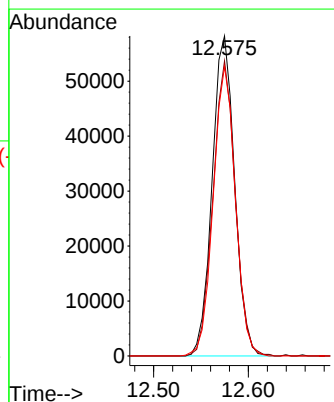
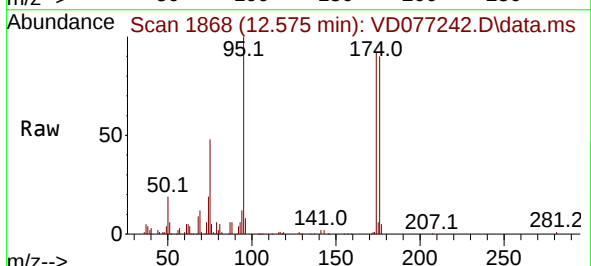
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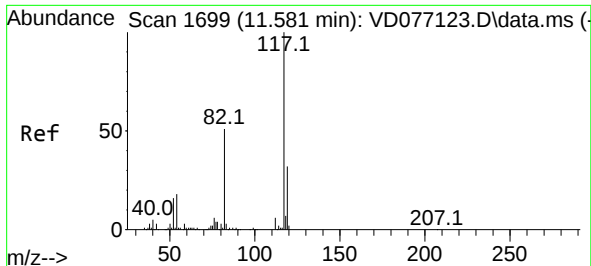
Tgt Ion: 98 Resp: 226652  
Ion Ratio Lower Upper  
98 100  
100 63.4 50.3 75.5



#62  
4-Bromofluorobenzene  
Concen: 70.168 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: VD077242.D  
Acq: 28 Sep 2023 21:03

Tgt Ion: 95 Resp: 95932  
Ion Ratio Lower Upper  
95 100  
174 91.2 0.0 201.8  
176 89.1 0.0 191.8

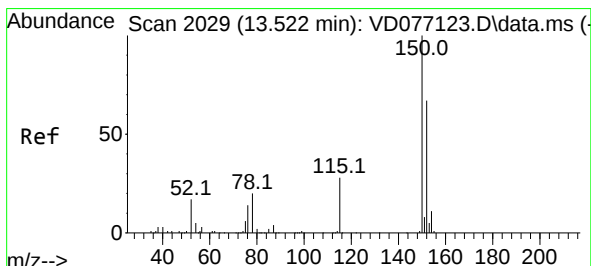
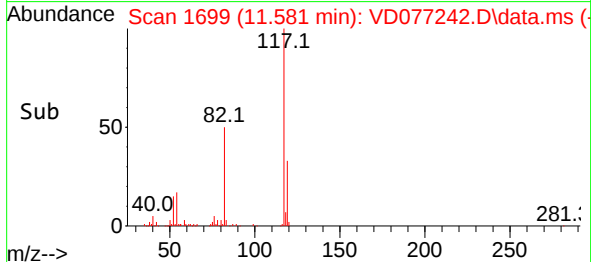
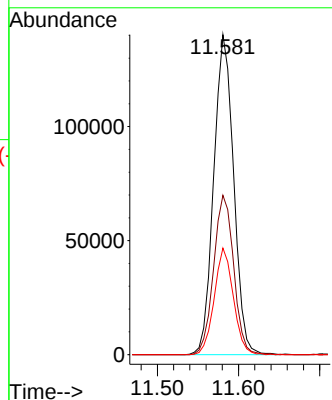
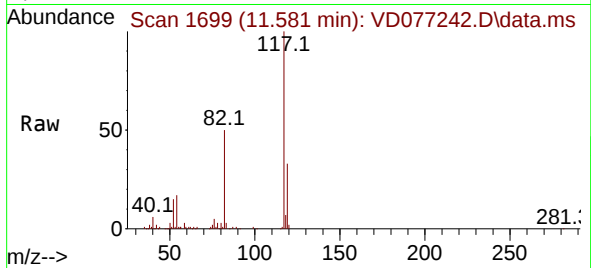




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD077242.D  
Acq: 28 Sep 2023 21:03

Instrument :  
MSVOA\_D  
ClientSampleId :  
OR-03-09272023

Tgt Ion:117 Resp: 239323  
Ion Ratio Lower Upper  
117 100  
82 49.8 38.3 57.5  
119 33.3 25.0 37.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. -0.006 min  
Lab File: VD077242.D  
Acq: 28 Sep 2023 21:03

Tgt Ion:152 Resp: 120682  
Ion Ratio Lower Upper  
152 100  
115 57.0 27.1 81.3  
150 160.0 0.0 353.6

