

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD101723\  
 Data File : VD077346.D  
 Acq On : 17 Oct 2023 17:50  
 Operator : JC/SY  
 Sample : VIBLK  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VIBLK

Quant Time: Oct 17 19:37:40 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101723S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 17 19:32:43 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 246579   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.781  | 114  | 425655   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 573690   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.522 | 152  | 336392   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |           |
|-----------------------------|--------|-------|----------|----------|------|-----------|
| System Monitoring Compounds |        |       |          |          |      |           |
| 33) 1,2-Dichloroethane-d4   | 8.234  | 65    | 79596    | 36.150   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 72.300%   |
| 35) Dibromofluoromethane    | 7.810  | 113   | 123748   | 41.382   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 82.760%   |
| 50) Toluene-d8              | 10.269 | 98    | 535170   | 49.971   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 99.940%   |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 240126   | 77.891   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 155.780%# |

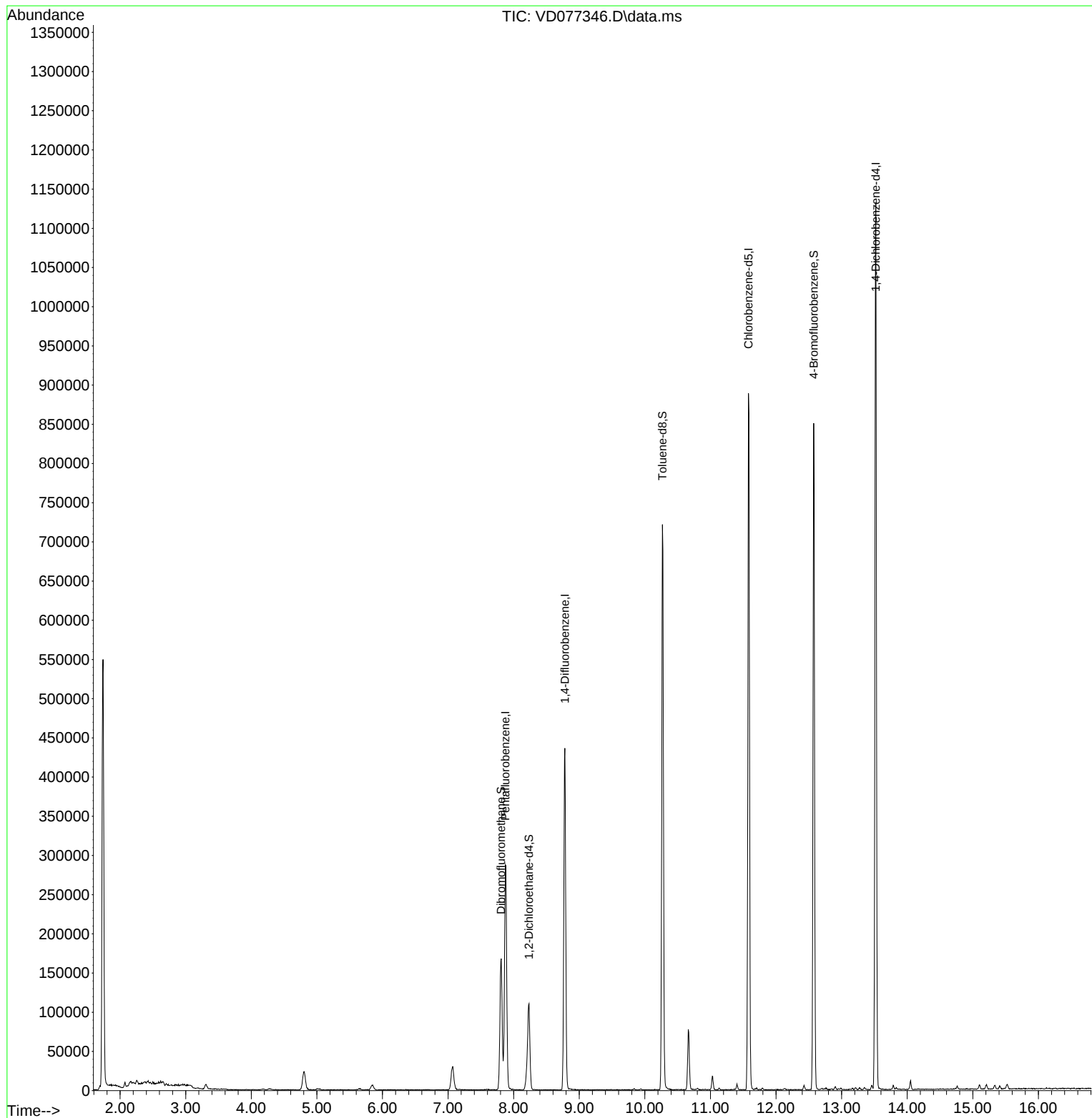
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

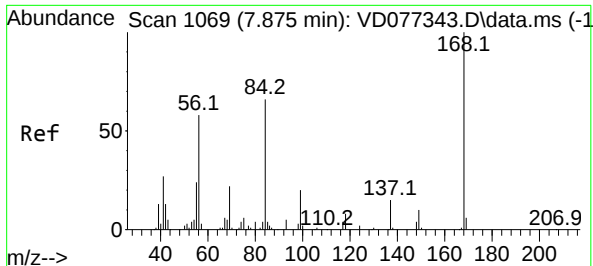
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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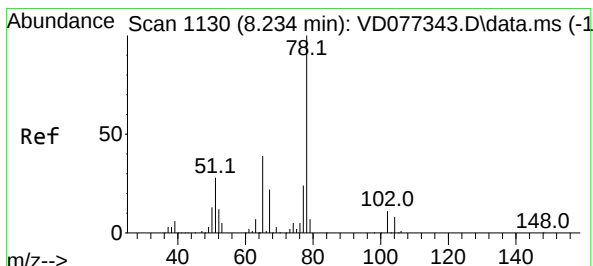
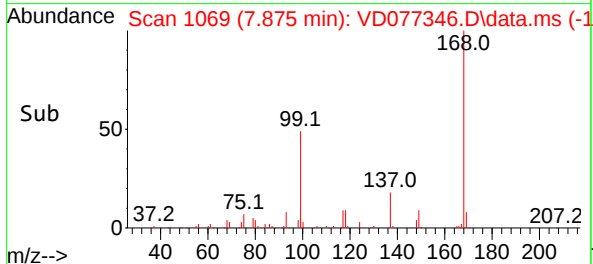
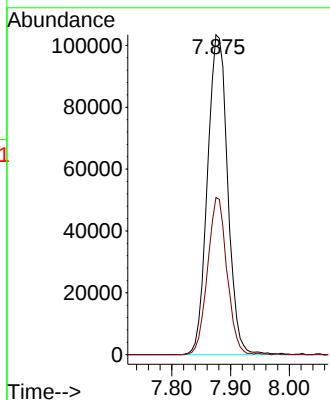
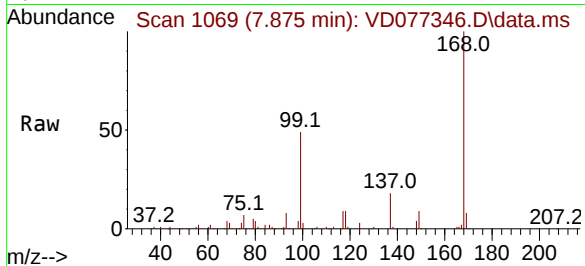




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1106  
Delta R.T. -0.000 min  
Lab File: VD077346.D  
Acq: 17 Oct 2023 17:50

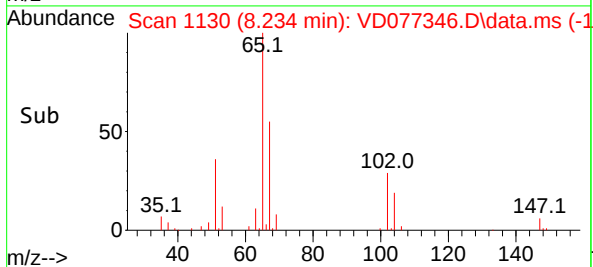
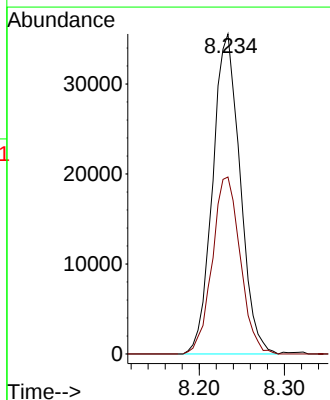
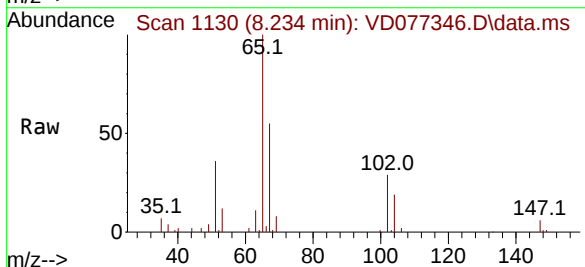
Instrument :  
MSVOA\_D  
ClientSampleId :  
VIBLK

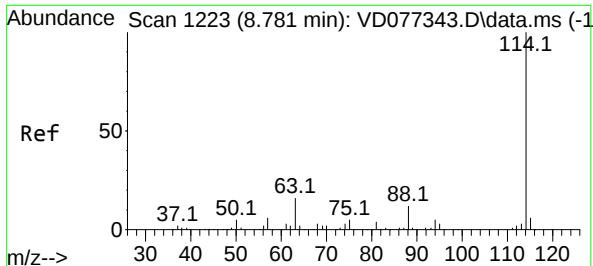
Tgt Ion:168 Resp: 246579  
Ion Ratio Lower Upper  
168 100  
99 49.1 36.7 55.1



#33  
1,2-Dichloroethane-d4  
Concen: 36.150 ug/l  
RT: 8.234 min Scan# 1130  
Delta R.T. 0.006 min  
Lab File: VD077346.D  
Acq: 17 Oct 2023 17:50

Tgt Ion: 65 Resp: 79596  
Ion Ratio Lower Upper  
65 100  
67 56.4 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: VD077346.D

Acq: 17 Oct 2023 17:50

Instrument :

MSVOA\_D

ClientSampleId :

VIBLK

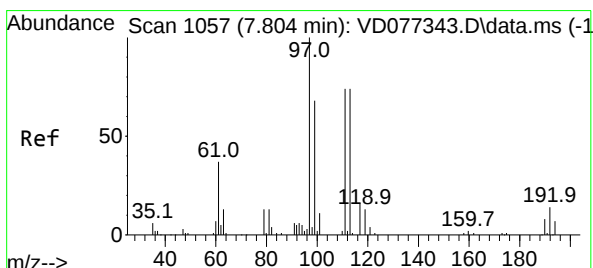
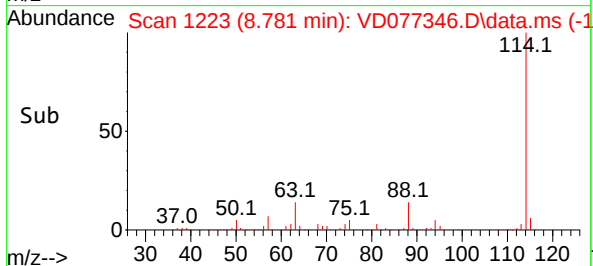
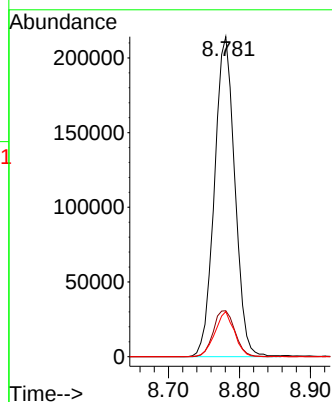
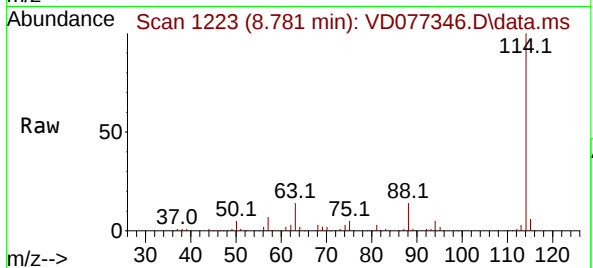
Tgt Ion:114 Resp: 425655

Ion Ratio Lower Upper

114 100

63 14.3 0.0 33.4

88 14.1 0.0 26.2



#35

Dibromofluoromethane

Concen: 41.382 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077346.D

Acq: 17 Oct 2023 17:50

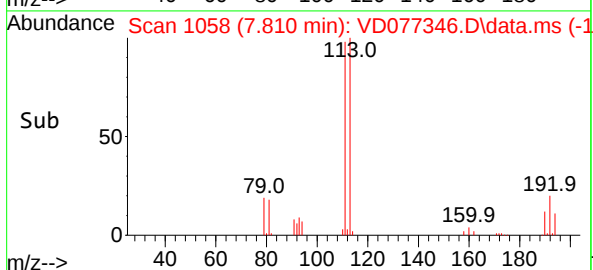
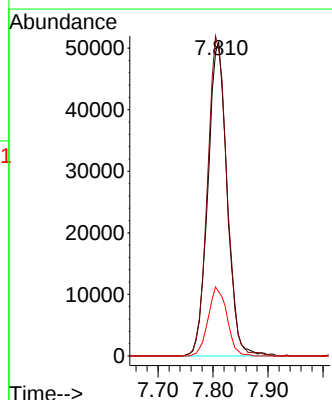
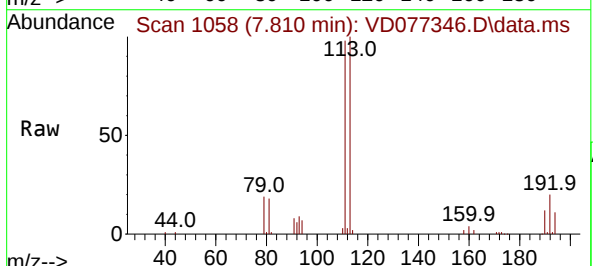
Tgt Ion:113 Resp: 123748

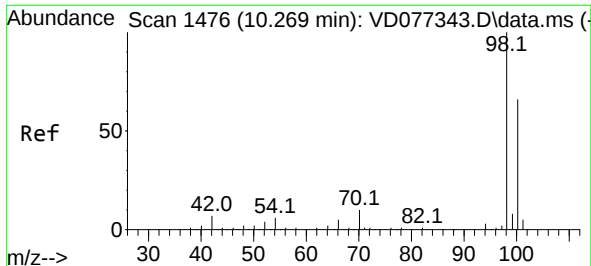
Ion Ratio Lower Upper

113 100

111 102.7 84.7 127.1

192 21.5 16.8 25.2

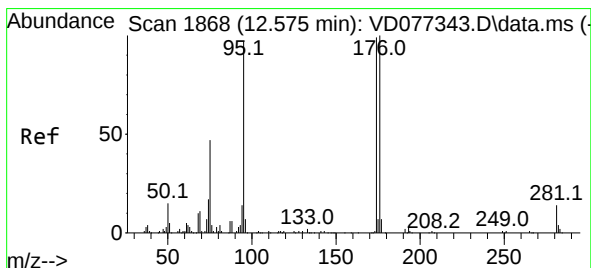
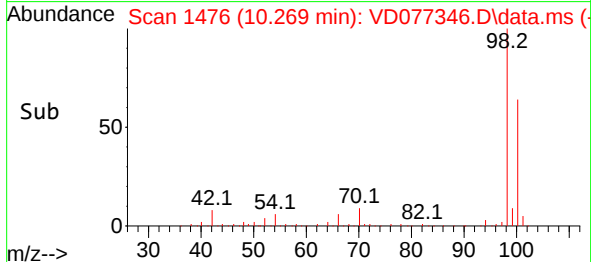
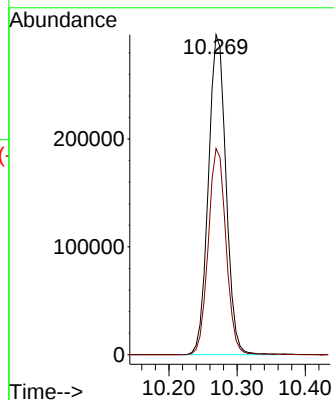
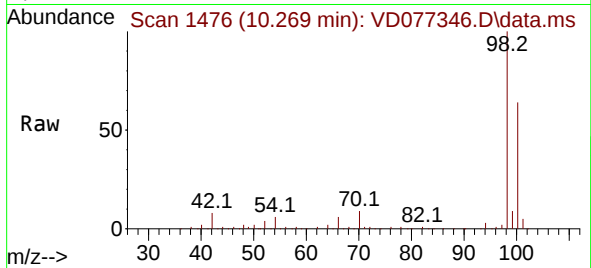




#50  
Toluene-d8  
Concen: 49.971 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. -0.000 min  
Lab File: VD077346.D  
Acq: 17 Oct 2023 17:50

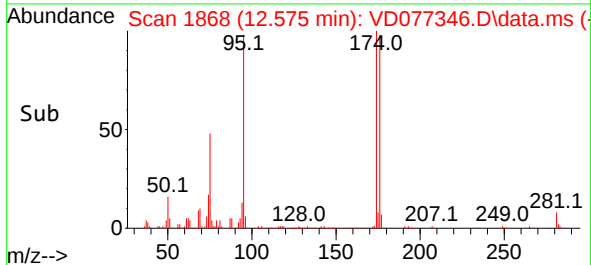
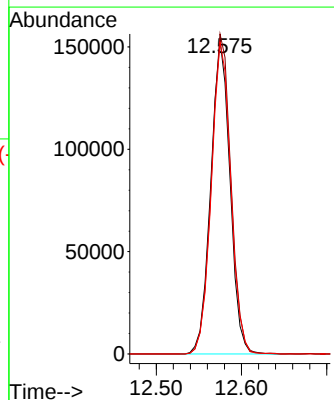
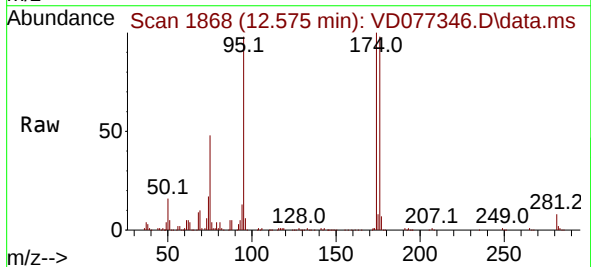
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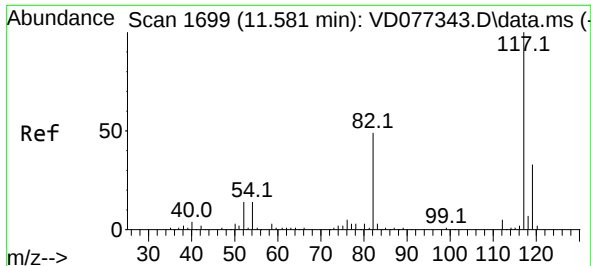
Tgt Ion: 98 Resp: 535170  
Ion Ratio Lower Upper  
98 100  
100 64.6 50.3 75.5



#62  
4-Bromofluorobenzene  
Concen: 77.891 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD077346.D  
Acq: 17 Oct 2023 17:50

Tgt Ion: 95 Resp: 240126  
Ion Ratio Lower Upper  
95 100  
174 104.2 0.0 201.8  
176 100.4 0.0 191.8

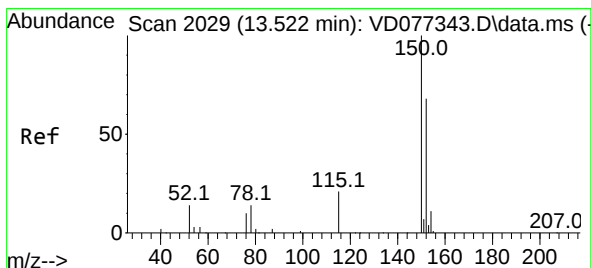
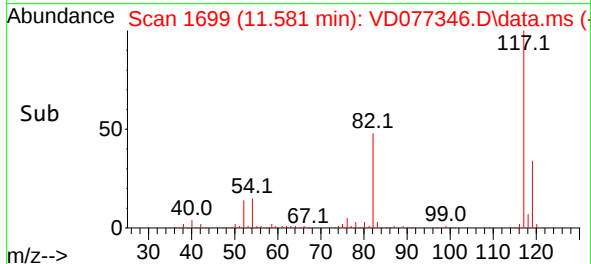
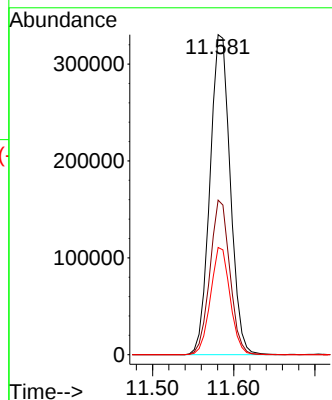
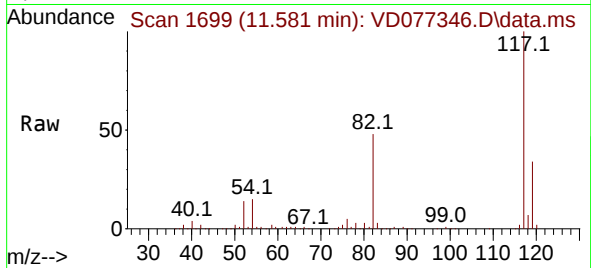




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 117  
Delta R.T. 0.001 min  
Lab File: VD077346.D  
Acq: 17 Oct 2023 17:50

Instrument :  
MSVOA\_D  
ClientSampleId :  
VIBLK

Tgt Ion:117 Resp: 573690  
Ion Ratio Lower Upper  
117 100  
82 48.3 38.3 57.5  
119 33.5 25.0 37.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.522 min Scan# 2029  
Delta R.T. 0.006 min  
Lab File: VD077346.D  
Acq: 17 Oct 2023 17:50

Tgt Ion:152 Resp: 336392  
Ion Ratio Lower Upper  
152 100  
115 52.5 27.1 81.3  
150 156.4 0.0 353.6

