

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD091823\  
 Data File : VD077128.D  
 Acq On : 18 Sep 2023 14:32  
 Operator : JC/SY  
 Sample : VD0918SBL01  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0918SBL01

Quant Time: Sep 19 04:55:10 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  | 148057   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.781  | 114  | 343440   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 362479   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 169956   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 85123    | 56.969   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 113.940% |
| 35) Dibromofluoromethane    | 7.804  | 113   | 116311   | 48.757   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 97.520%  |
| 50) Toluene-d8              | 10.269 | 98    | 407945   | 48.044   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 96.080%  |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 139875   | 53.149   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 106.300% |

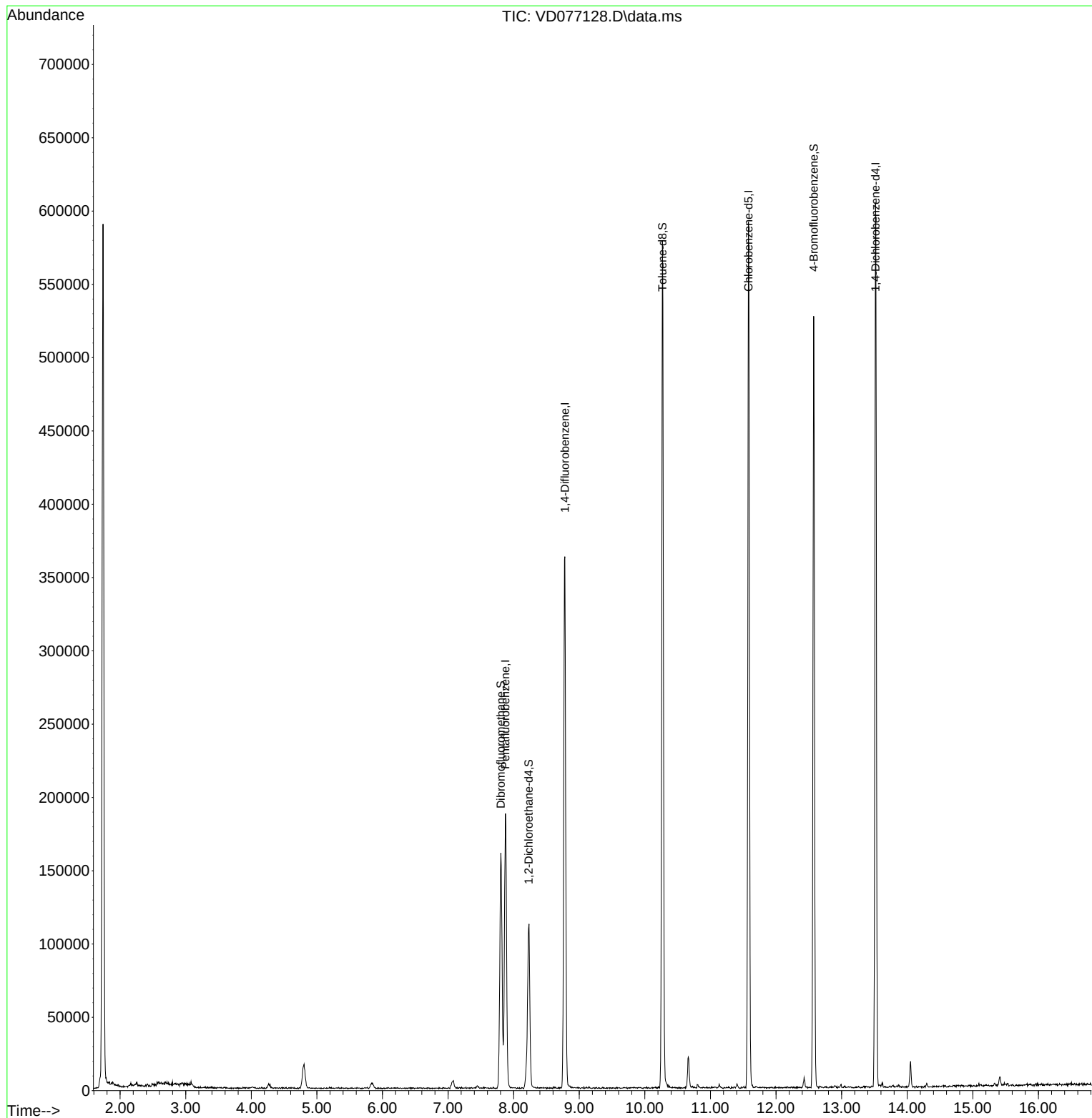
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

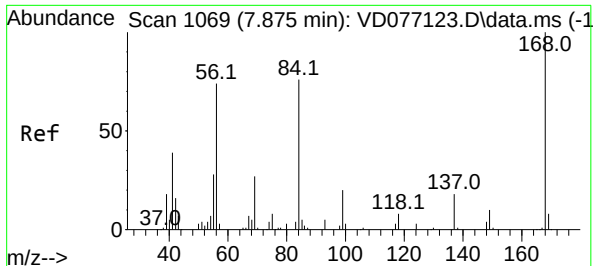
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
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Response via : Initial Calibration

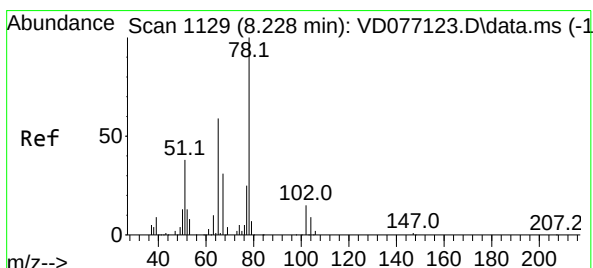
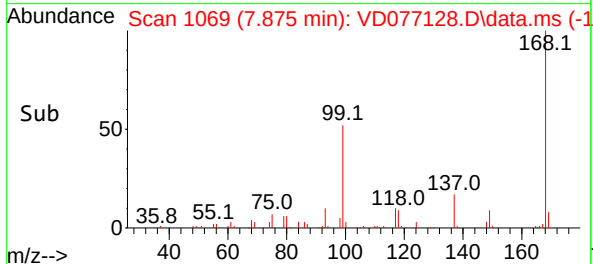
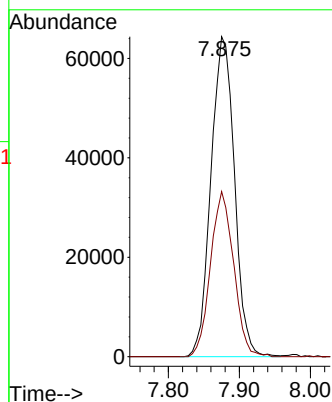
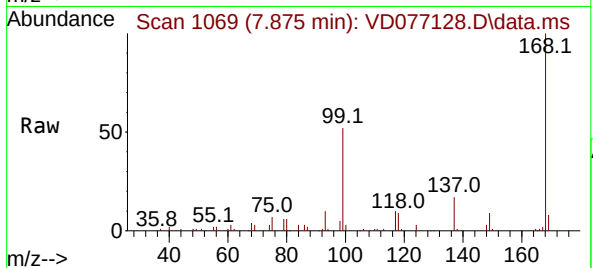




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD077128.D  
Acq: 18 Sep 2023 14:32

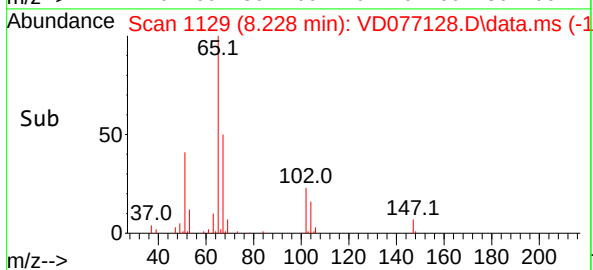
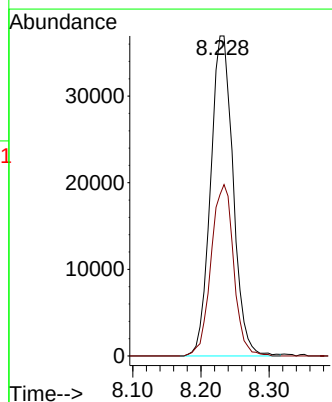
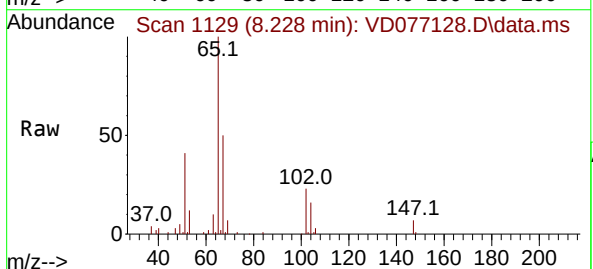
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0918SBL01

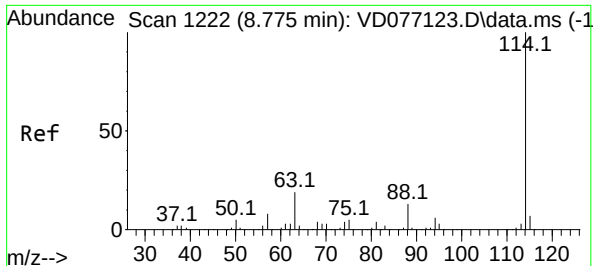
Tgt Ion:168 Resp: 148057  
Ion Ratio Lower Upper  
168 100  
99 51.6 36.7 55.1



#33  
1,2-Dichloroethane-d4  
Concen: 56.969 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. 0.000 min  
Lab File: VD077128.D  
Acq: 18 Sep 2023 14:32

Tgt Ion: 65 Resp: 85123  
Ion Ratio Lower Upper  
65 100  
67 53.6 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: VD077128.D

Acq: 18 Sep 2023 14:32

Instrument :

MSVOA\_D

ClientSampleId :

VD0918SBL01

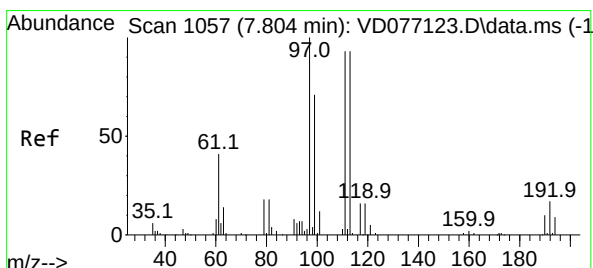
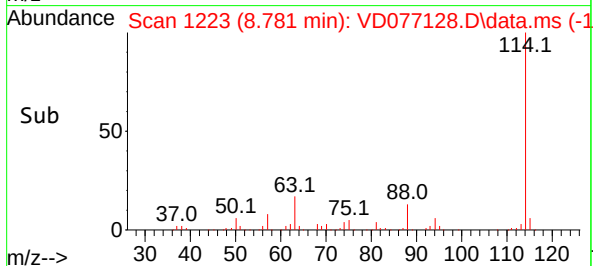
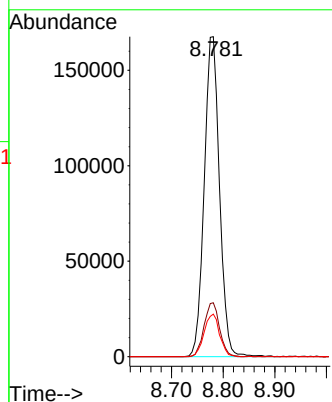
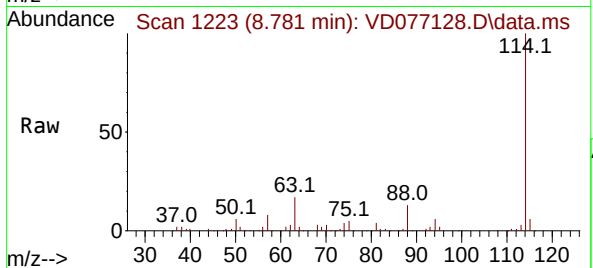
Tgt Ion:114 Resp: 343440

Ion Ratio Lower Upper

114 100

63 16.9 0.0 33.4

88 13.3 0.0 26.2



#35

Dibromofluoromethane

Concen: 48.757 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD077128.D

Acq: 18 Sep 2023 14:32

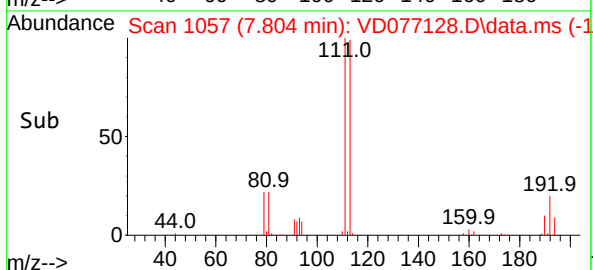
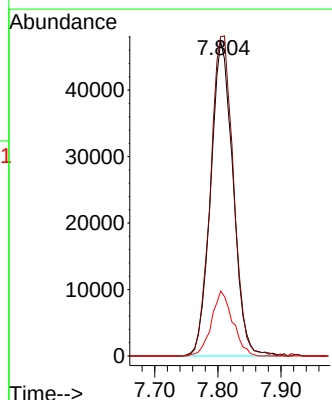
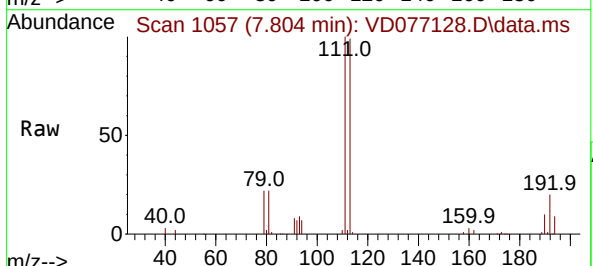
Tgt Ion:113 Resp: 116311

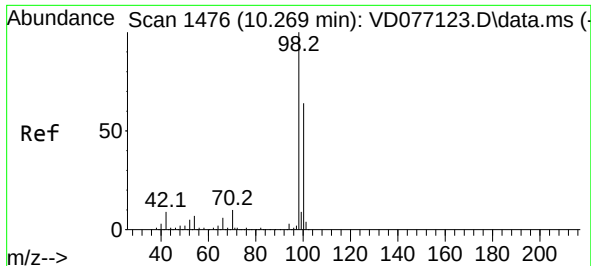
Ion Ratio Lower Upper

113 100

111 104.4 84.7 127.1

192 19.7 16.8 25.2

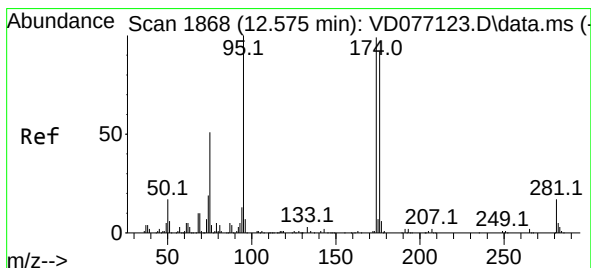
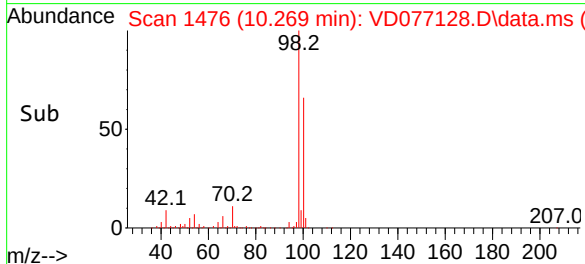
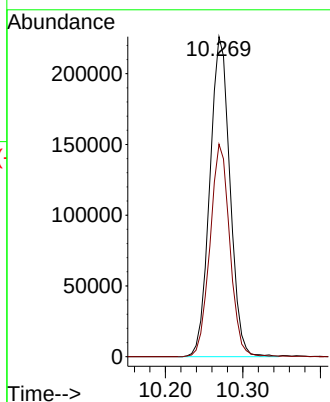
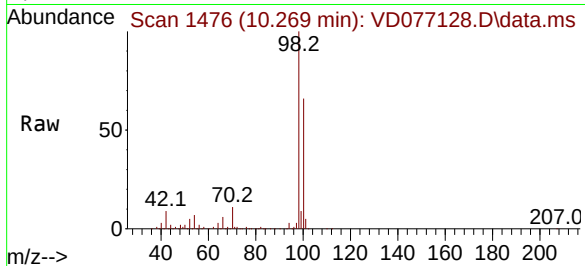




#50  
Toluene-d8  
Concen: 48.044 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD077128.D  
Acq: 18 Sep 2023 14:32

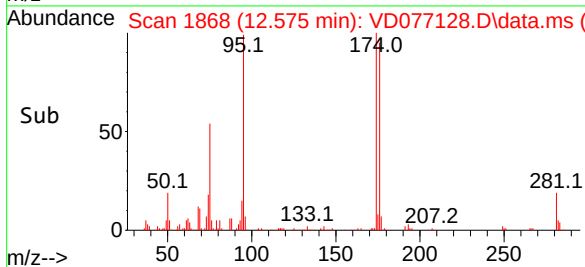
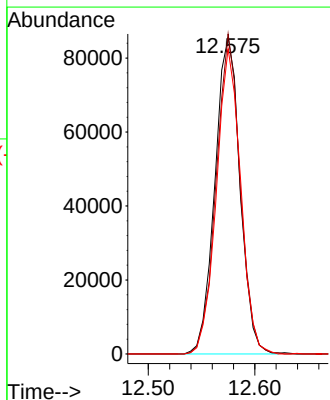
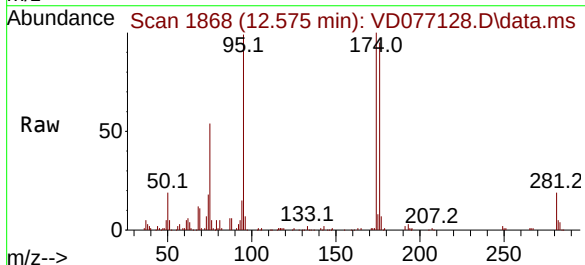
Instrument :  
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VD0918SBL01

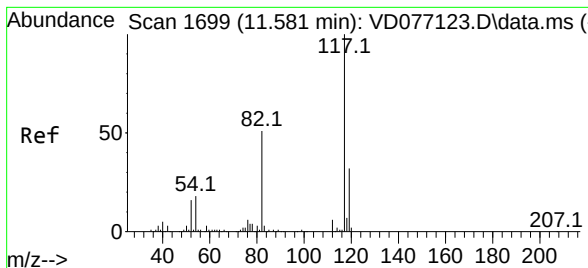
Tgt Ion: 98 Resp: 407945  
Ion Ratio Lower Upper  
98 100  
100 65.3 50.3 75.5



#62  
4-Bromofluorobenzene  
Concen: 53.149 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: VD077128.D  
Acq: 18 Sep 2023 14:32

Tgt Ion: 95 Resp: 139875  
Ion Ratio Lower Upper  
95 100  
174 96.5 0.0 201.8  
176 93.1 0.0 191.8

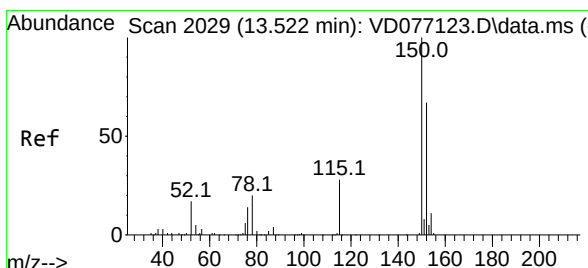
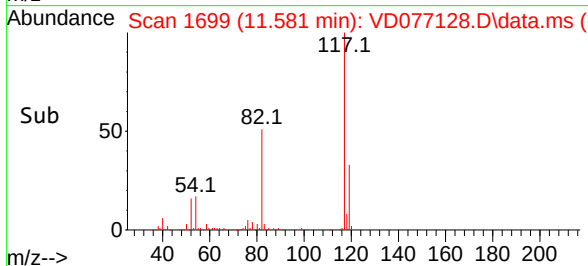
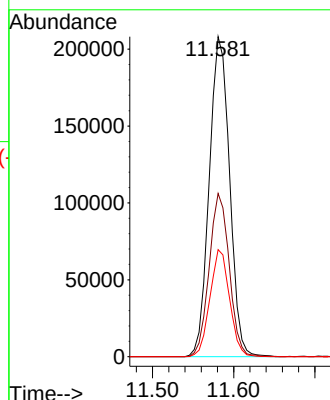
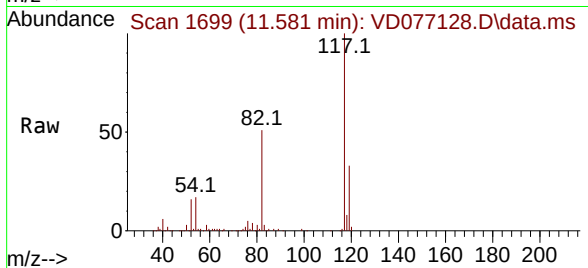




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD077128.D  
Acq: 18 Sep 2023 14:32

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0918SBL01

Tgt Ion:117 Resp: 362479  
Ion Ratio Lower Upper  
117 100  
82 51.0 38.3 57.5  
119 33.5 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: VD077128.D  
Acq: 18 Sep 2023 14:32

Tgt Ion:152 Resp: 169956  
Ion Ratio Lower Upper  
152 100  
115 56.1 27.1 81.3  
150 157.5 0.0 353.6

