

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD072823\  
 Data File : VD076858.D  
 Acq On : 28 Jul 2023 16:51  
 Operator : KP/SY  
 Sample : 03810-05  
 Misc : 5.06G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 B-P7A

Quant Time: Jul 28 23:05:56 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D071423S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 17 08:07:52 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 172729   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 336314   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.580 | 117  | 309668   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 133239   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 87296    | 50.741   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 101.480% |
| 35) Dibromofluoromethane    | 7.804  | 113   | 103924   | 49.173   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 98.340%  |
| 50) Toluene-d8              | 10.269 | 98    | 412955   | 54.620   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 109.240% |
| 62) 4-Bromofluorobenzene    | 12.574 | 95    | 114406   | 46.776   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 93.560%  |

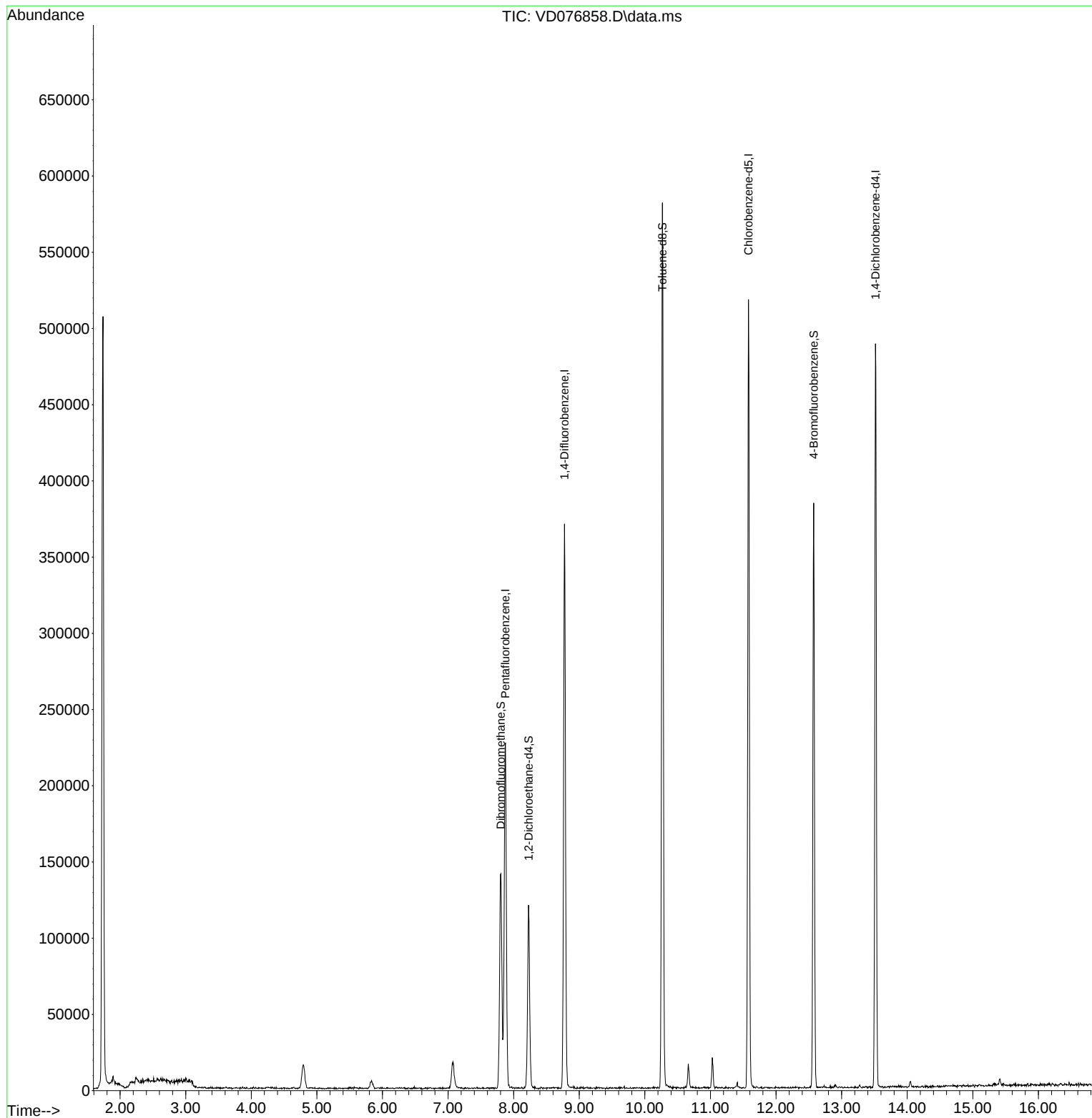
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

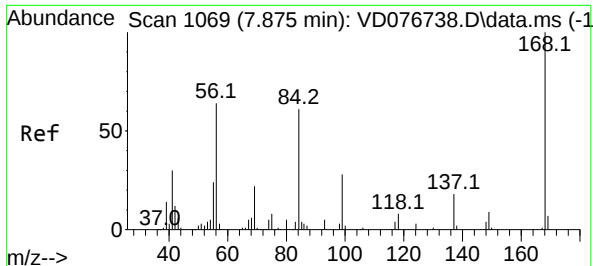
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Mon Jul 17 08:07:52 2023  
Response via : Initial Calibration

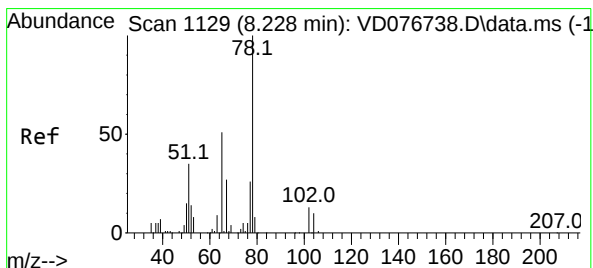
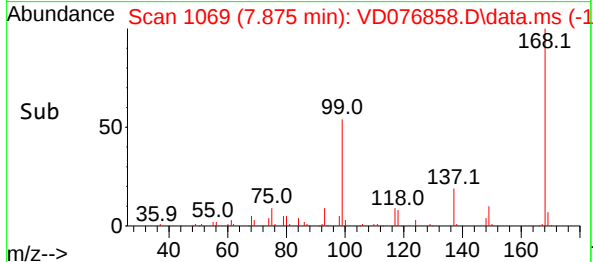
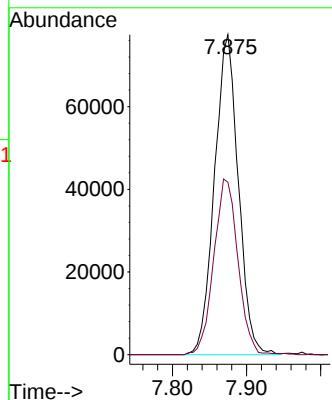
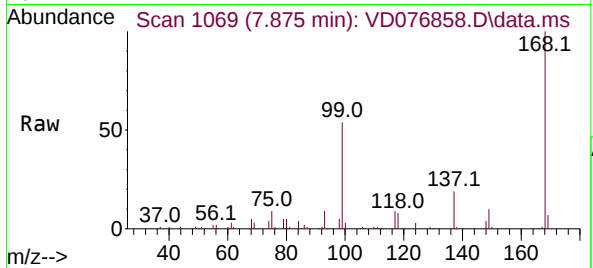




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.000 min  
Lab File: VD076858.D  
Acq: 28 Jul 2023 16:51

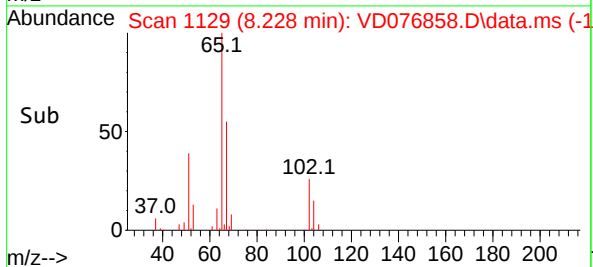
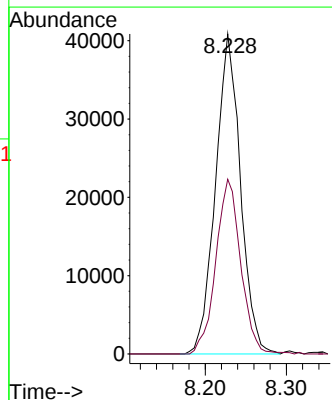
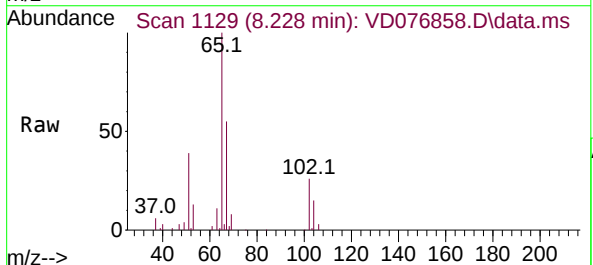
Instrument :  
MSVOA\_D  
ClientSampleId :  
B-P7A

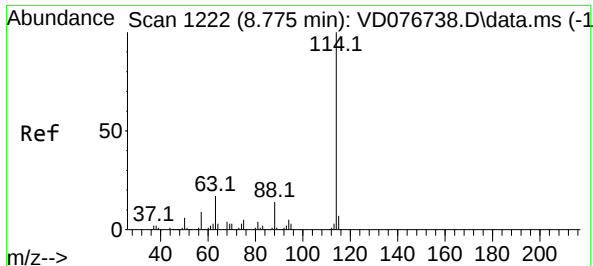
Tgt Ion:168 Resp: 172729  
Ion Ratio Lower Upper  
168 100  
99 53.9 36.7 55.1



#33  
1,2-Dichloroethane-d4  
Concen: 50.741 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. -0.000 min  
Lab File: VD076858.D  
Acq: 28 Jul 2023 16:51

Tgt Ion: 65 Resp: 87296  
Ion Ratio Lower Upper  
65 100  
67 54.5 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD076858.D

Acq: 28 Jul 2023 16:51

Instrument :

MSVOA\_D

ClientSampleId :

B-P7A

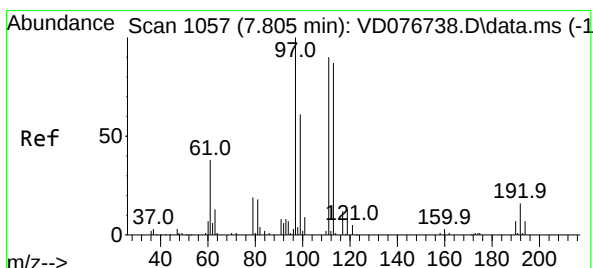
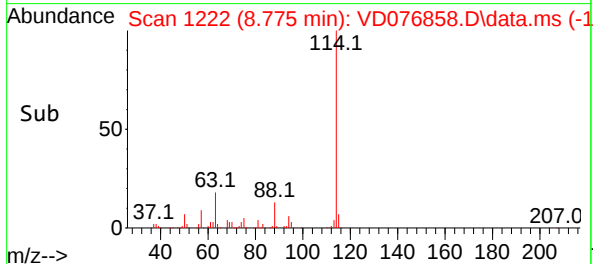
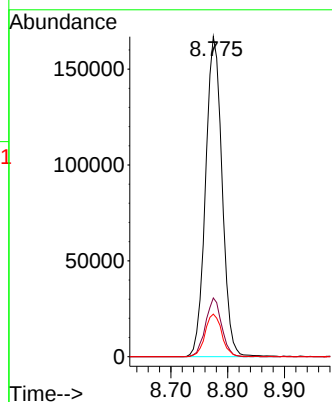
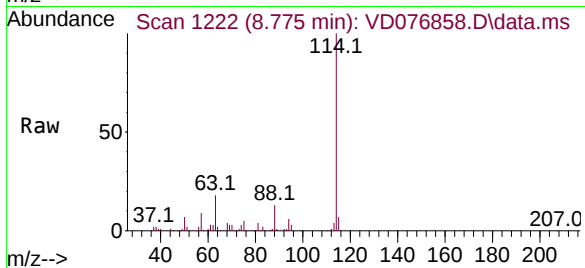
Tgt Ion:114 Resp: 336314

Ion Ratio Lower Upper

114 100

63 18.4 0.0 33.4

88 13.3 0.0 26.2



#35

Dibromofluoromethane

Concen: 49.173 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076858.D

Acq: 28 Jul 2023 16:51

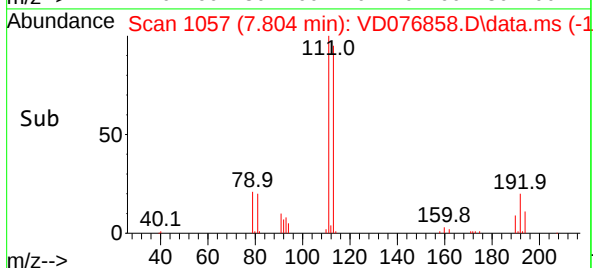
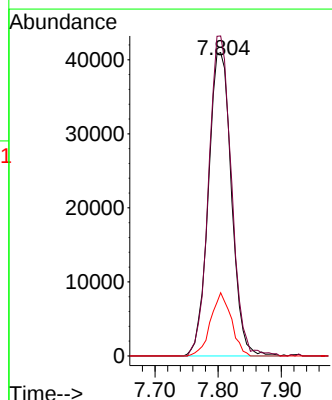
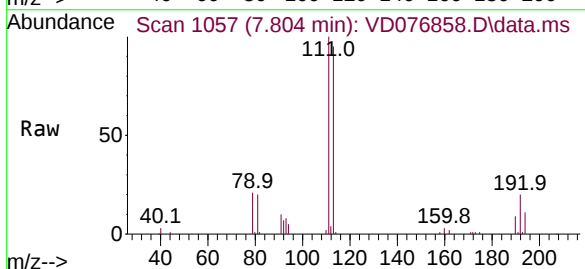
Tgt Ion:113 Resp: 103924

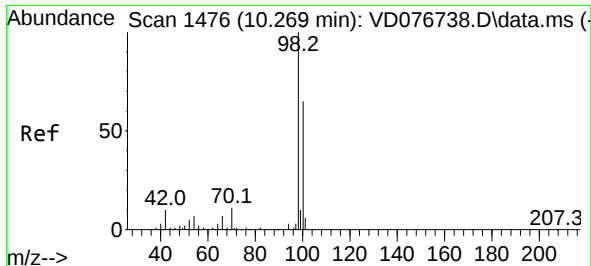
Ion Ratio Lower Upper

113 100

111 104.2 84.7 127.1

192 18.7 16.8 25.2

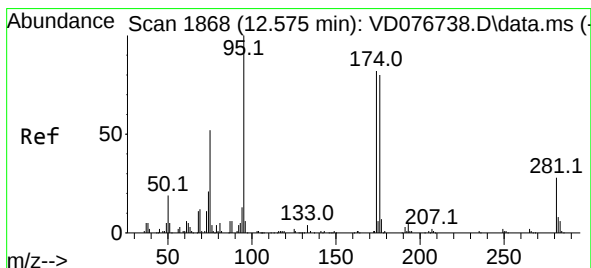
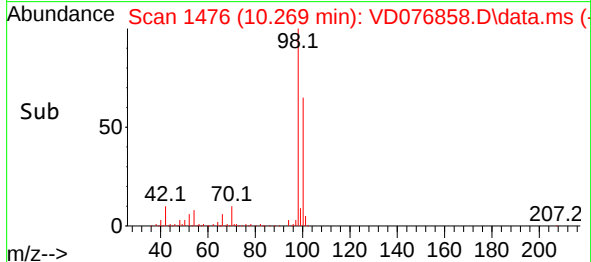
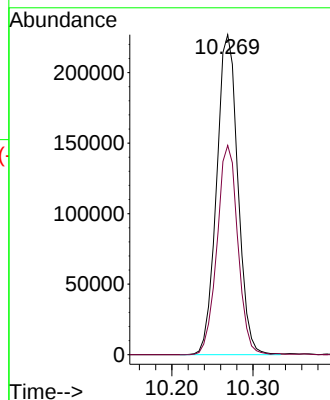
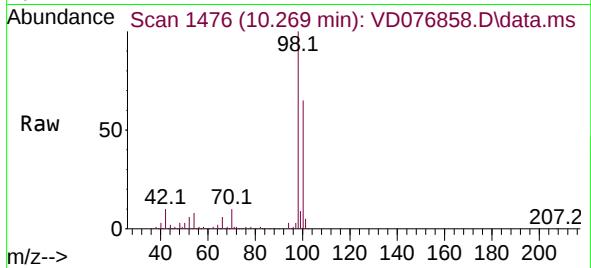




#50  
Toluene-d8  
Concen: 54.620 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. -0.000 min  
Lab File: VD076858.D  
Acq: 28 Jul 2023 16:51

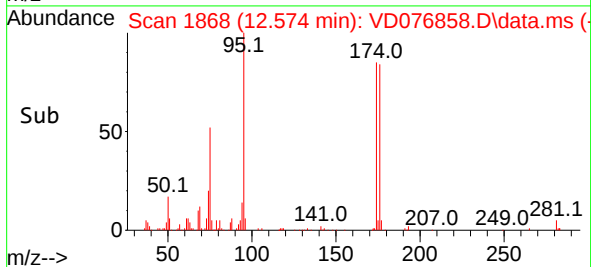
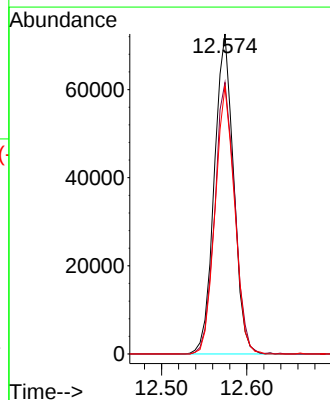
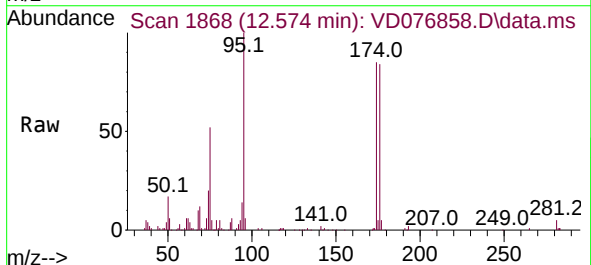
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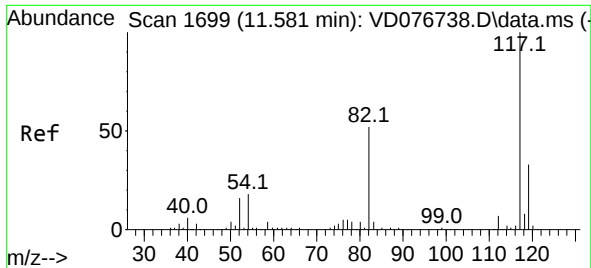
Tgt Ion: 98 Resp: 412955  
Ion Ratio Lower Upper  
98 100  
100 63.9 50.3 75.5



#62  
4-Bromofluorobenzene  
Concen: 46.776 ug/l  
RT: 12.574 min Scan# 1868  
Delta R.T. -0.001 min  
Lab File: VD076858.D  
Acq: 28 Jul 2023 16:51

Tgt Ion: 95 Resp: 114406  
Ion Ratio Lower Upper  
95 100  
174 87.9 0.0 201.8  
176 83.9 0.0 191.8

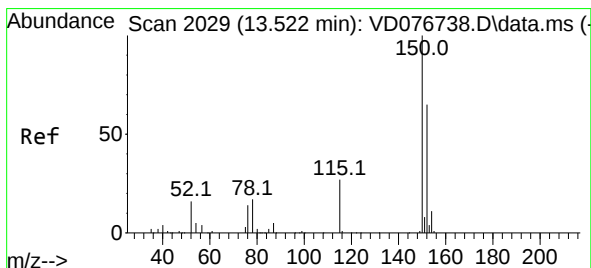
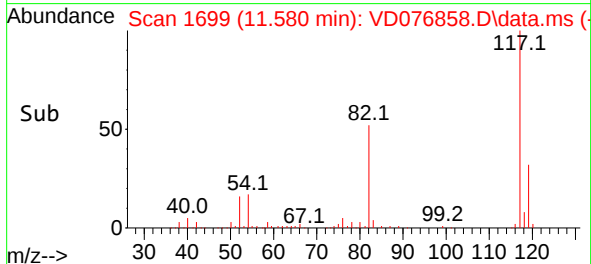
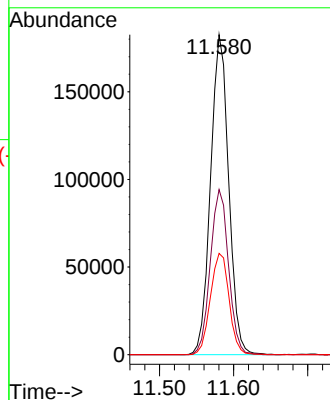
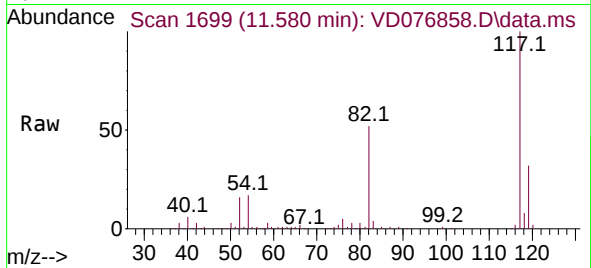




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.580 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD076858.D  
Acq: 28 Jul 2023 16:51

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-P7A

Tgt Ion:117 Resp: 309668  
Ion Ratio Lower Upper  
117 100  
82 51.6 38.3 57.5  
119 31.7 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: VD076858.D  
Acq: 28 Jul 2023 16:51

Tgt Ion:152 Resp: 133239  
Ion Ratio Lower Upper  
152 100  
115 58.2 27.1 81.3  
150 155.3 0.0 353.6

