

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD071723\  
 Data File : VD076758.D  
 Acq On : 17 Jul 2023 16:54  
 Operator : KP/SY  
 Sample : 03638-01  
 Misc : 5.12G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP1

Quant Time: Jul 18 01:24:04 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

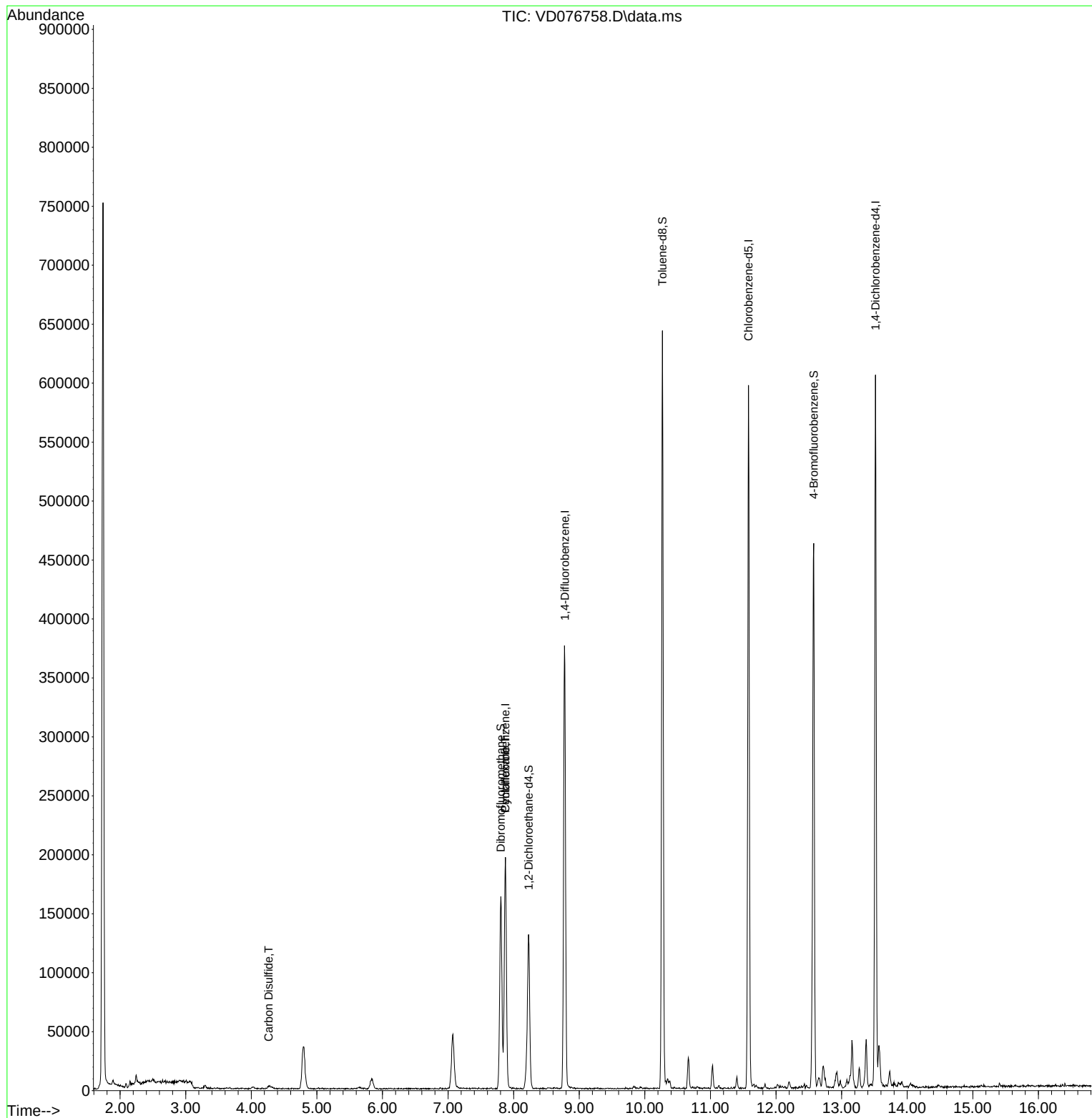
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.875     | 168   | 149314   | 50.000   | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene     | 8.781     | 114   | 352807   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.581    | 117   | 346969   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.516    | 152   | 156240   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.228     | 65    | 95866    | 64.460   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 50 - 163 | Recovery | = 128.920% |          |
| 35) Dibromofluoromethane    | 7.804     | 113   | 119328   | 53.822   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 54 - 147 | Recovery | = 107.640% |          |
| 50) Toluene-d8              | 10.269    | 98    | 441099   | 55.615   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 58 - 134 | Recovery | = 111.240% |          |
| 62) 4-Bromofluorobenzene    | 12.575    | 95    | 139996   | 54.563   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 30 - 143 | Recovery | = 109.120% |          |
| Target Compounds            |           |       |          |          |            |          |
|                             |           |       |          |          |            | Qvalue   |
| 17) Carbon Disulfide        | 4.263     | 76    | 4384     | 1.272    | ug/l       | # 87     |
| 31) Cyclohexane             | 7.875     | 56    | 3401     | 1.554    | ug/l       | # 48     |
| -----                       |           |       |          |          |            |          |

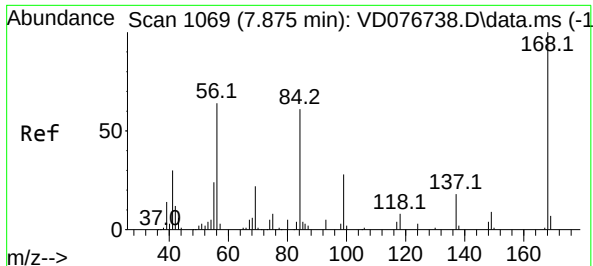
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

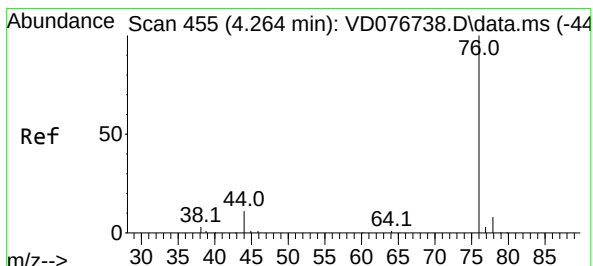
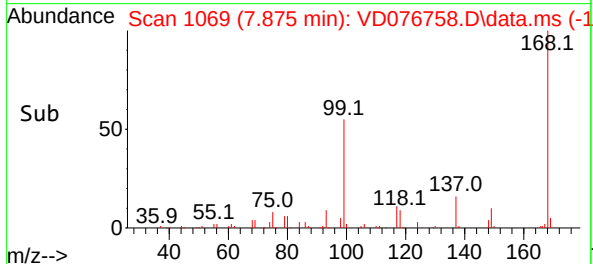
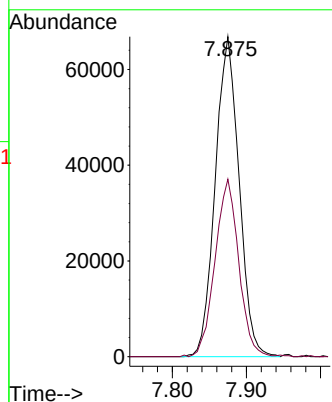
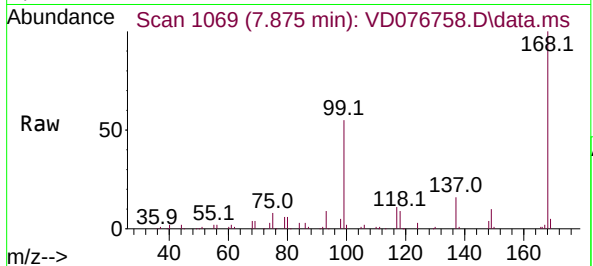




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.000 min  
Lab File: VD076758.D  
Acq: 17 Jul 2023 16:54

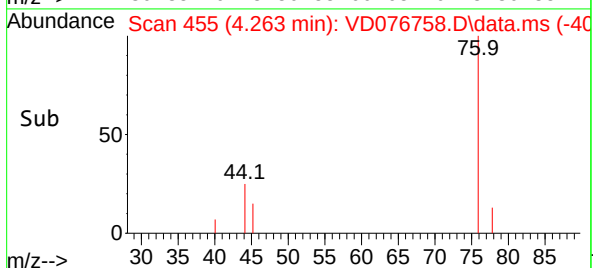
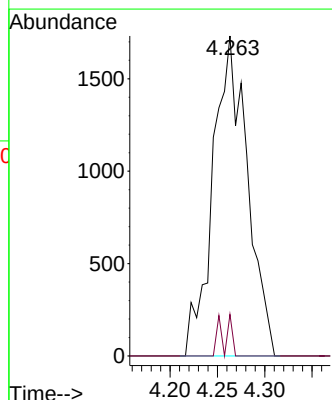
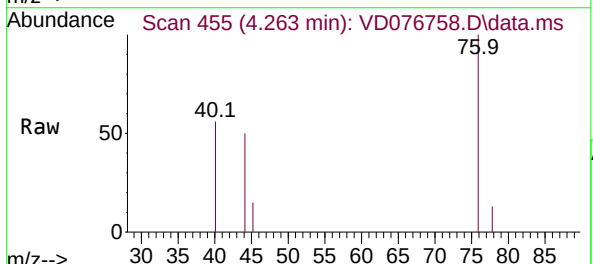
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP1

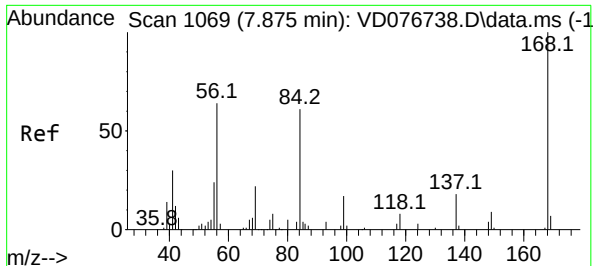
Tgt Ion:168 Resp: 149314  
Ion Ratio Lower Upper  
168 100  
99 55.5 36.7 55.1#



#17  
Carbon Disulfide  
Concen: 1.272 ug/l  
RT: 4.263 min Scan# 455  
Delta R.T. -0.001 min  
Lab File: VD076758.D  
Acq: 17 Jul 2023 16:54

Tgt Ion: 76 Resp: 4384  
Ion Ratio Lower Upper  
76 100  
78 13.0 6.8 10.2#

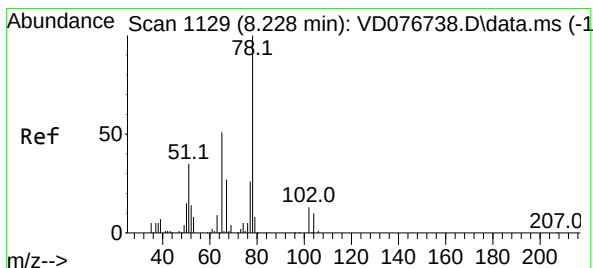
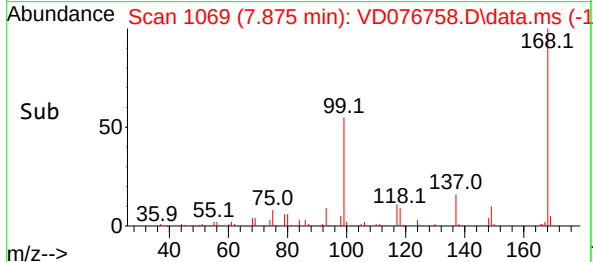
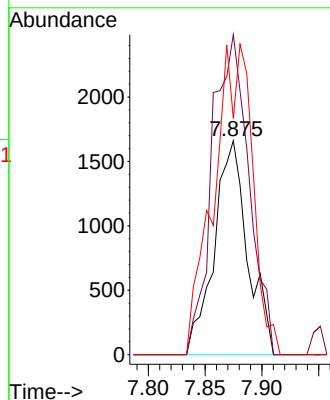
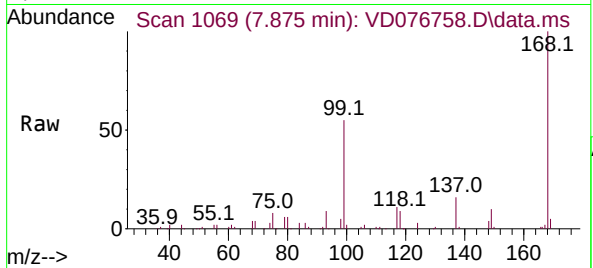




#31  
Cyclohexane  
Concen: 1.554 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.000 min  
Lab File: VD076758.D  
Acq: 17 Jul 2023 16:54

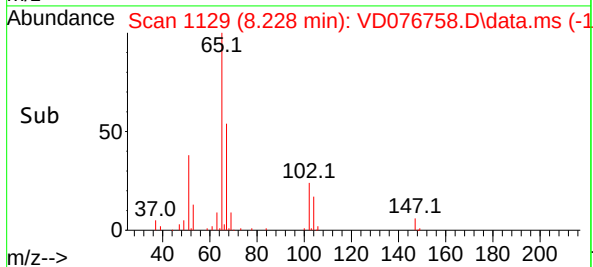
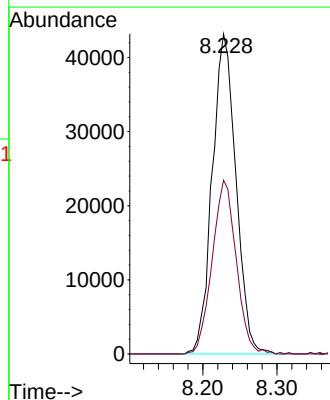
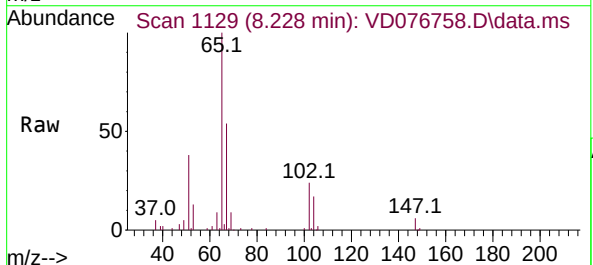
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP1

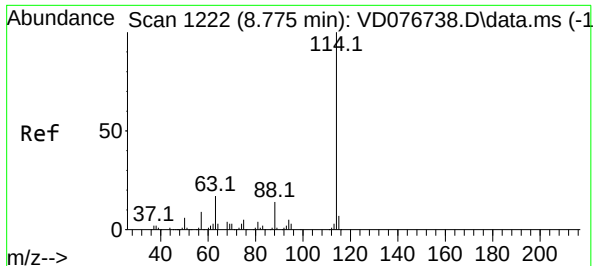
Tgt Ion: 56 Resp: 3401  
Ion Ratio Lower Upper  
56 100  
69 149.6 28.6 43.0#  
84 110.5 84.8 127.2



#33  
1,2-Dichloroethane-d4  
Concen: 64.460 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. -0.000 min  
Lab File: VD076758.D  
Acq: 17 Jul 2023 16:54

Tgt Ion: 65 Resp: 95866  
Ion Ratio Lower Upper  
65 100  
67 55.2 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD076758.D

Acq: 17 Jul 2023 16:54

Instrument :

MSVOA\_D

ClientSampleId :

TP1

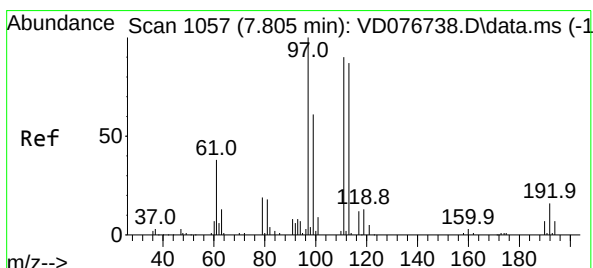
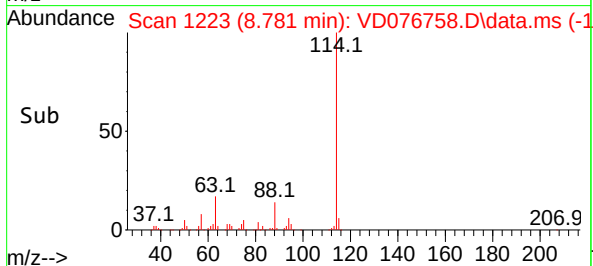
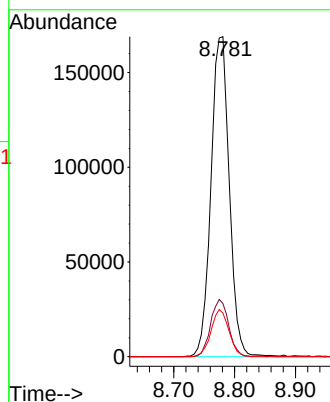
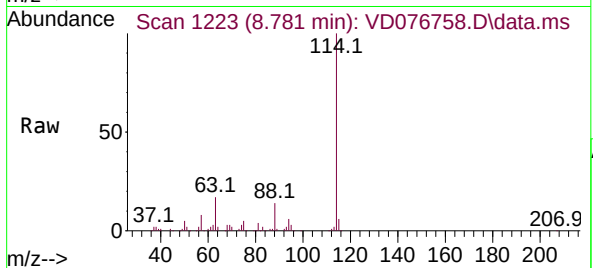
Tgt Ion:114 Resp: 352807

Ion Ratio Lower Upper

114 100

63 16.6 0.0 33.4

88 13.6 0.0 26.2



#35

Dibromofluoromethane

Concen: 53.822 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076758.D

Acq: 17 Jul 2023 16:54

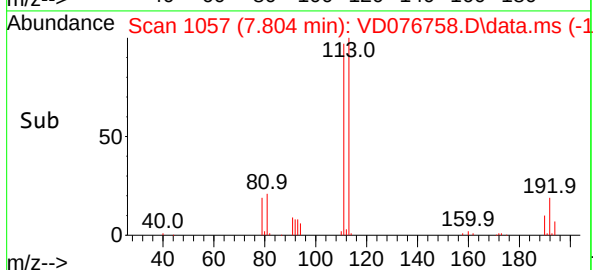
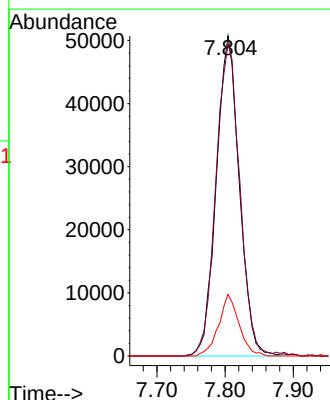
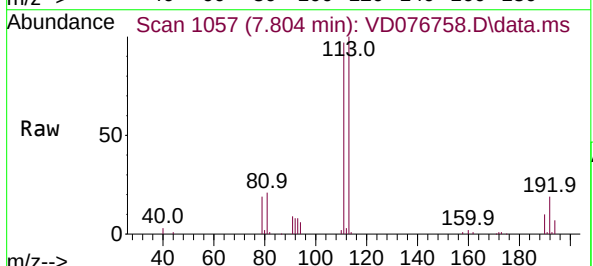
Tgt Ion:113 Resp: 119328

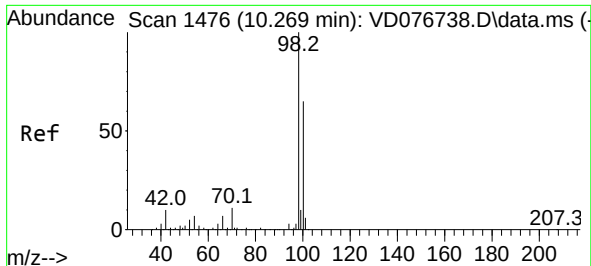
Ion Ratio Lower Upper

113 100

111 101.2 84.7 127.1

192 17.0 16.8 25.2

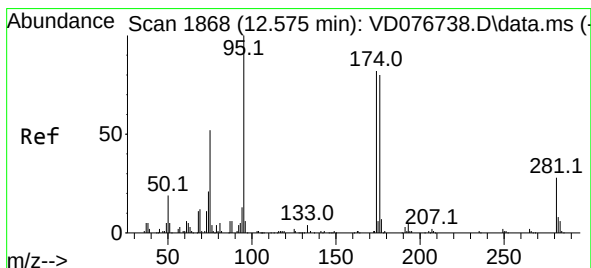
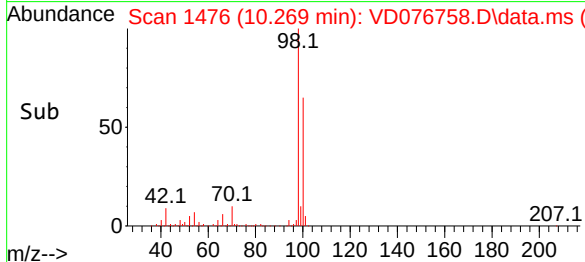
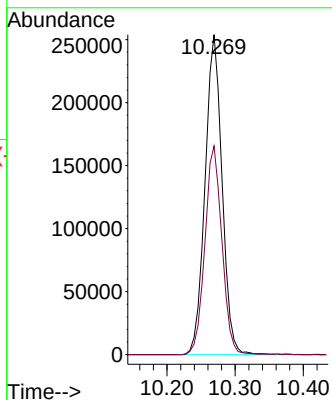
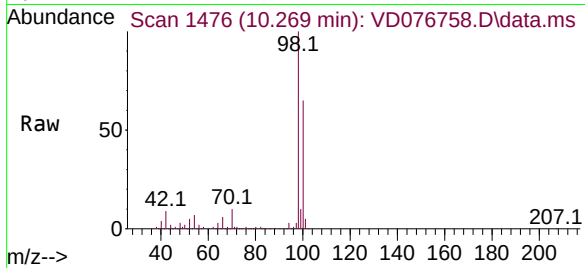




#50  
Toluene-d8  
Concen: 55.615 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. -0.000 min  
Lab File: VD076758.D  
Acq: 17 Jul 2023 16:54

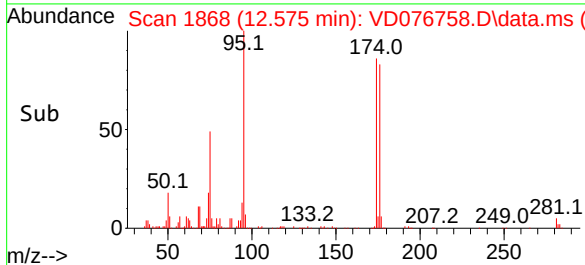
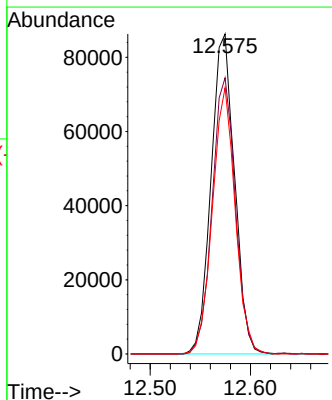
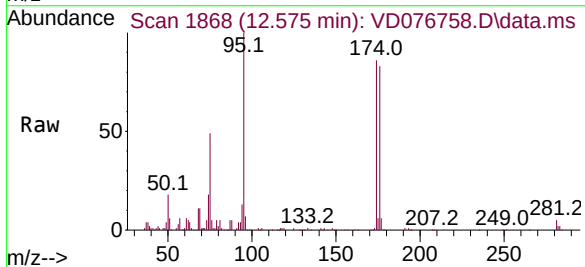
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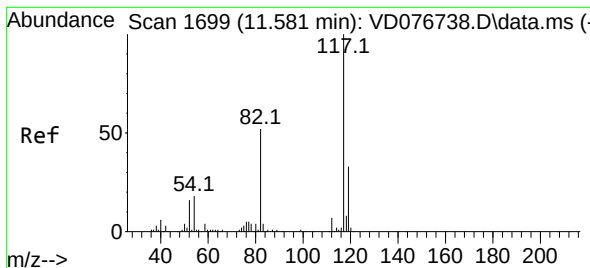
Tgt Ion: 98 Resp: 441099  
Ion Ratio Lower Upper  
98 100  
100 65.2 50.3 75.5



#62  
4-Bromofluorobenzene  
Concen: 54.563 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD076758.D  
Acq: 17 Jul 2023 16:54

Tgt Ion: 95 Resp: 139996  
Ion Ratio Lower Upper  
95 100  
174 85.3 0.0 201.8  
176 80.7 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD076758.D

Acq: 17 Jul 2023 16:54

Instrument :

MSVOA\_D

ClientSampleId :

TP1

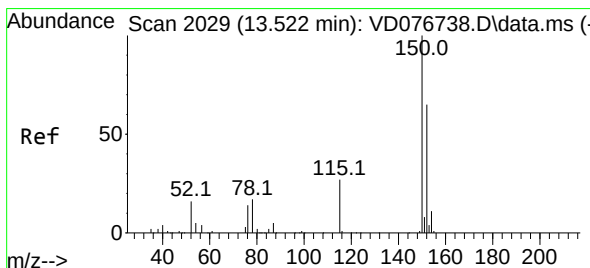
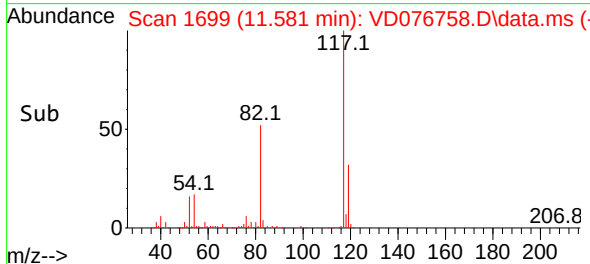
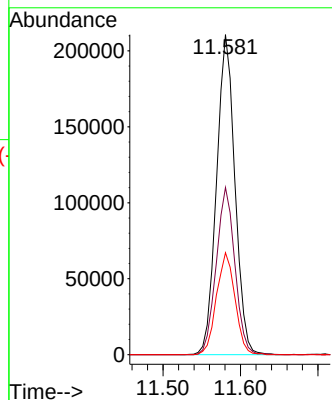
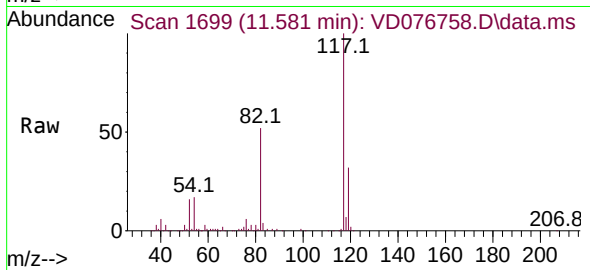
Tgt Ion:117 Resp: 346969

Ion Ratio Lower Upper

117 100

82 52.3 38.3 57.5

119 31.9 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: VD076758.D

Acq: 17 Jul 2023 16:54

Tgt Ion:152 Resp: 156240

Ion Ratio Lower Upper

152 100

115 58.8 27.1 81.3

150 160.8 0.0 353.6

