

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062323\  
 Data File : VD076560.D  
 Acq On : 23 Jun 2023 16:03  
 Operator : KP/SY  
 Sample : 03365-13RE  
 Misc : 5.04G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP4RE

Quant Time: Jun 23 16:34:04 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D061623S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 19 04:51:45 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 109655   | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 202208   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 143351   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 44089    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 62834    | 57.192   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 114.380% |
| 35) Dibromofluoromethane    | 7.804  | 113   | 64324    | 53.547   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 107.100% |
| 50) Toluene-d8              | 10.269 | 98    | 200435   | 43.996   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 88.000%  |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 47371    | 32.039   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 64.080%  |

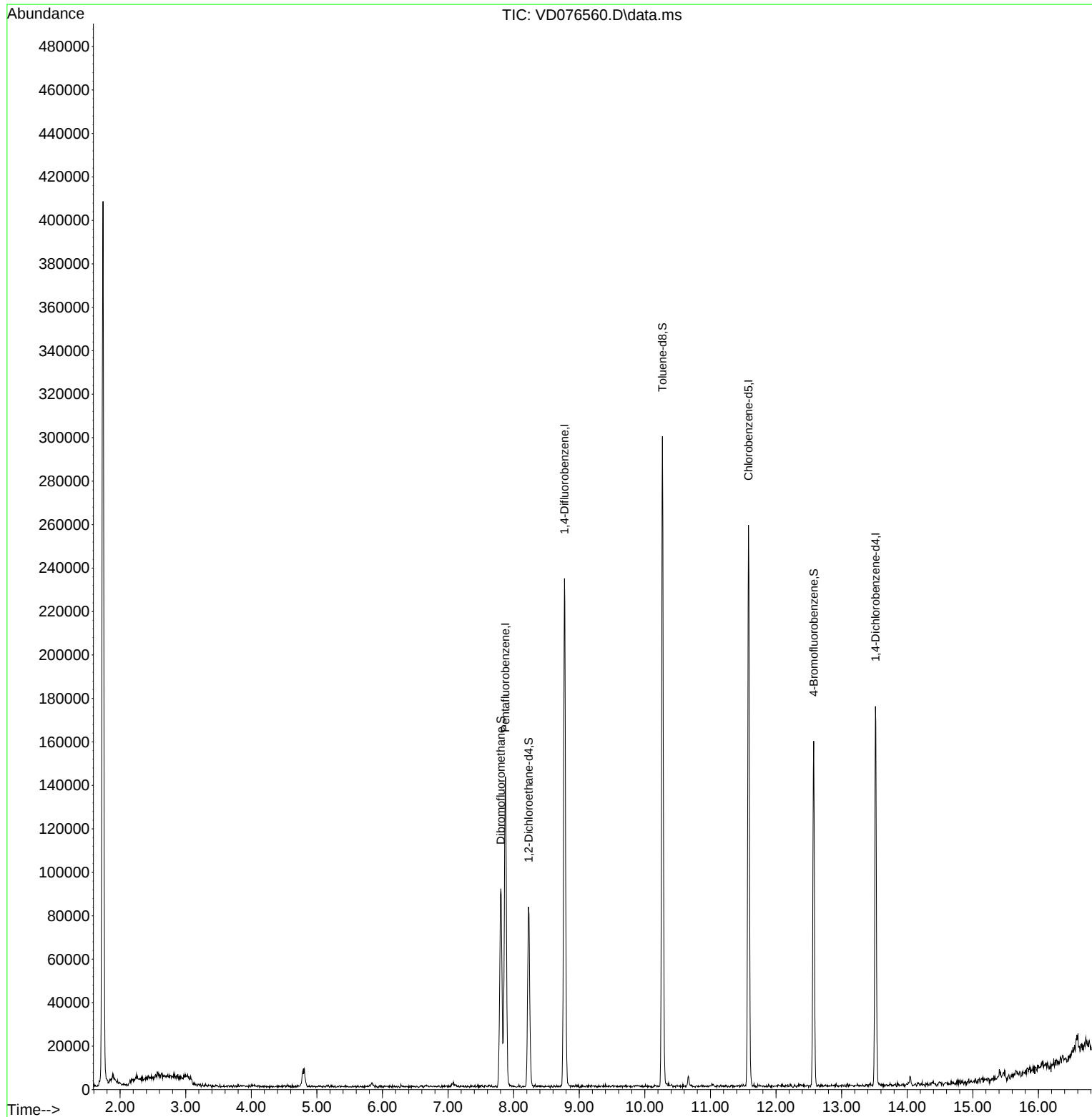
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

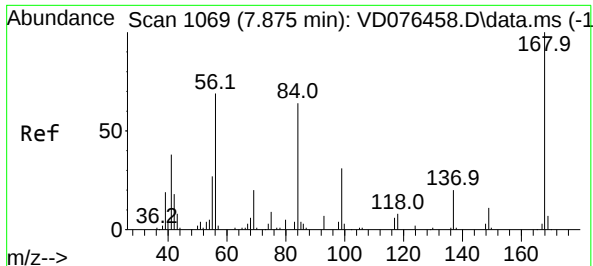
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TP4RE

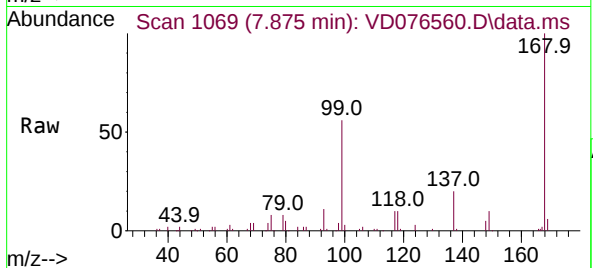
Quant Time: Jun 23 16:34:04 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D061623S.M  
Quant Title : SW846 8260  
QLast Update : Mon Jun 19 04:51:45 2023  
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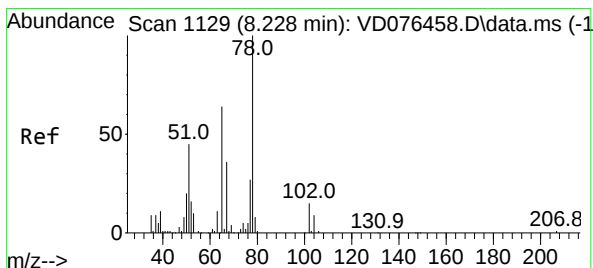
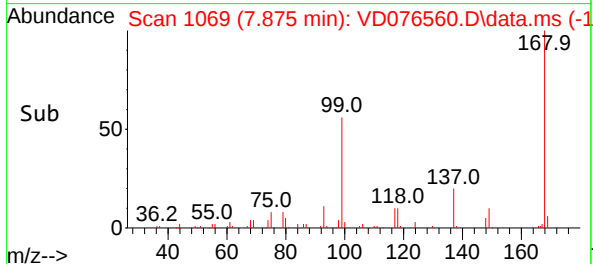
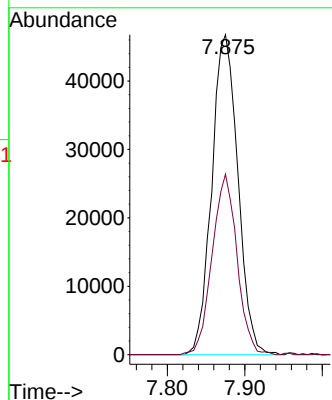


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD076560.D  
Acq: 23 Jun 2023 16:03

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP4RE

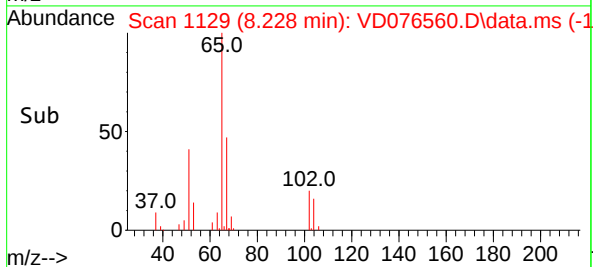
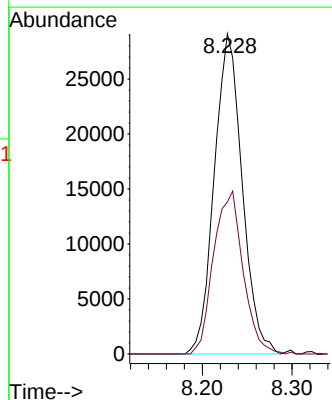
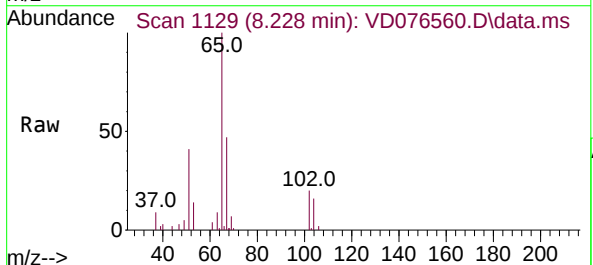


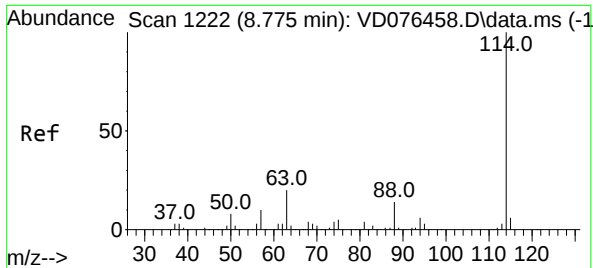
Tgt Ion:168 Resp: 109655  
Ion Ratio Lower Upper  
168 100  
99 56.4 36.7 55.1#



#33  
1,2-Dichloroethane-d4  
Concen: 57.192 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. -0.000 min  
Lab File: VD076560.D  
Acq: 23 Jun 2023 16:03

Tgt Ion: 65 Resp: 62834  
Ion Ratio Lower Upper  
65 100  
67 53.7 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD076560.D

Acq: 23 Jun 2023 16:03

Instrument :

MSVOA\_D

ClientSampleId :

TP4RE

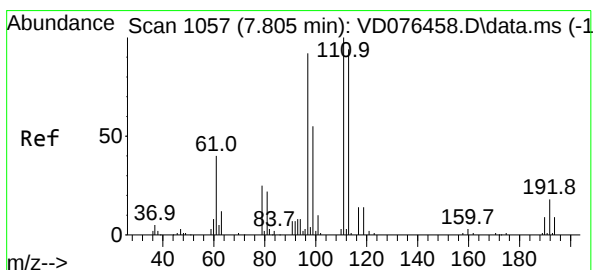
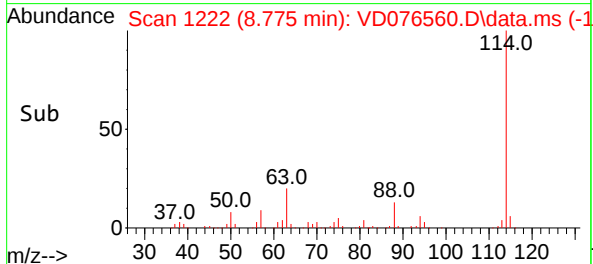
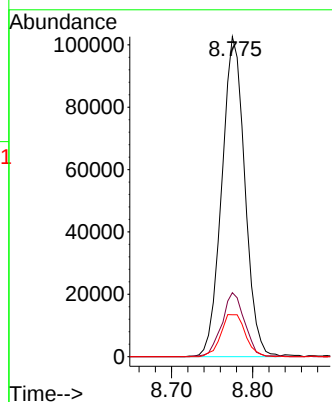
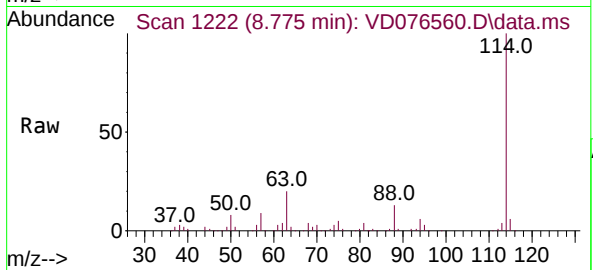
Tgt Ion:114 Resp: 202208

Ion Ratio Lower Upper

114 100

63 20.0 0.0 33.4

88 13.1 0.0 26.2



#35

Dibromofluoromethane

Concen: 53.547 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076560.D

Acq: 23 Jun 2023 16:03

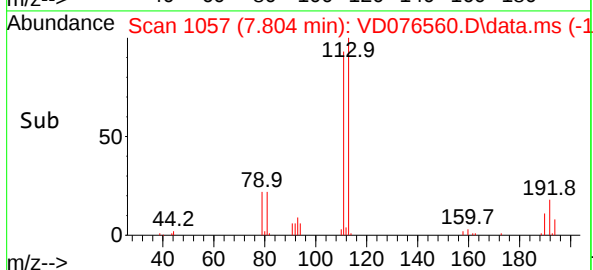
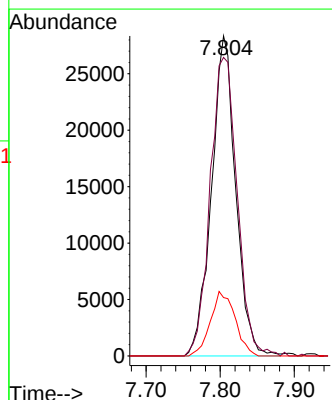
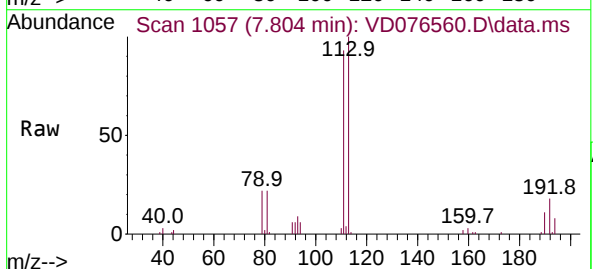
Tgt Ion:113 Resp: 64324

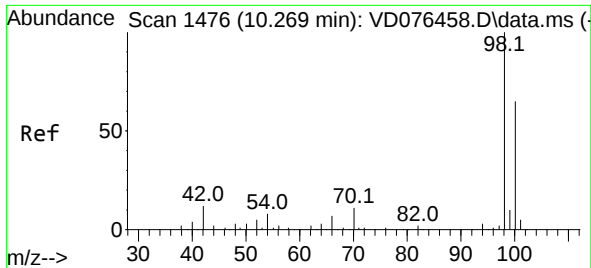
Ion Ratio Lower Upper

113 100

111 104.1 84.7 127.1

192 20.5 16.8 25.2

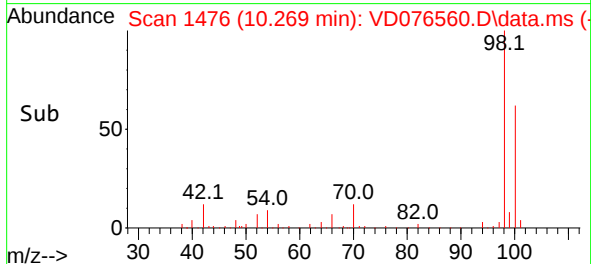
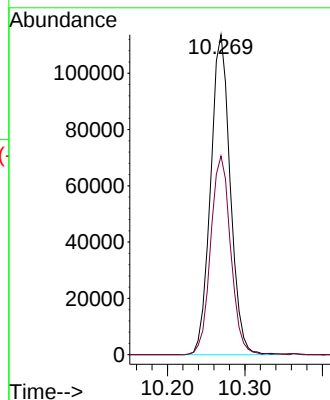
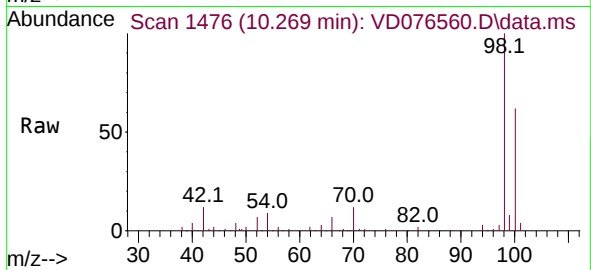




#50  
Toluene-d8  
Concen: 43.996 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. -0.000 min  
Lab File: VD076560.D  
Acq: 23 Jun 2023 16:03

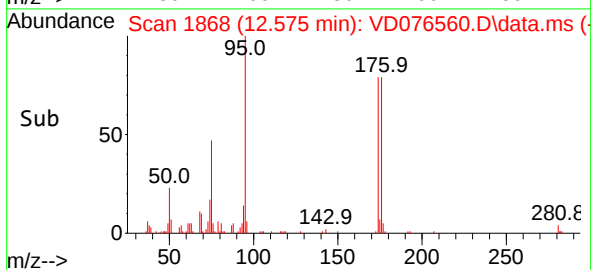
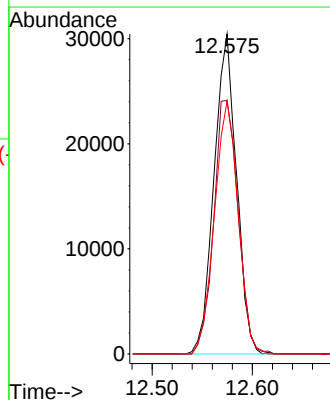
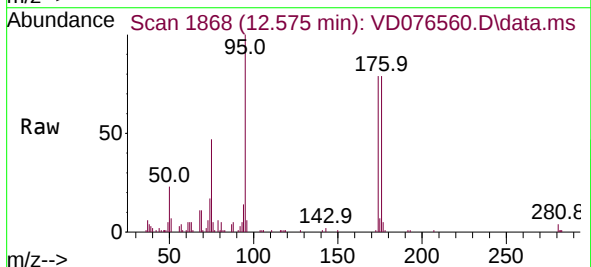
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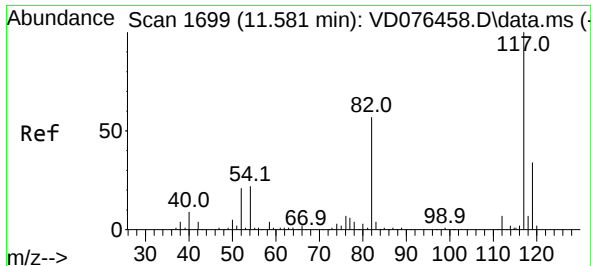
Tgt Ion: 98 Resp: 200435  
Ion Ratio Lower Upper  
98 100  
100 63.3 50.3 75.5



#62  
4-Bromofluorobenzene  
Concen: 32.039 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD076560.D  
Acq: 23 Jun 2023 16:03

Tgt Ion: 95 Resp: 47371  
Ion Ratio Lower Upper  
95 100  
174 85.6 0.0 201.8  
176 83.2 0.0 191.8

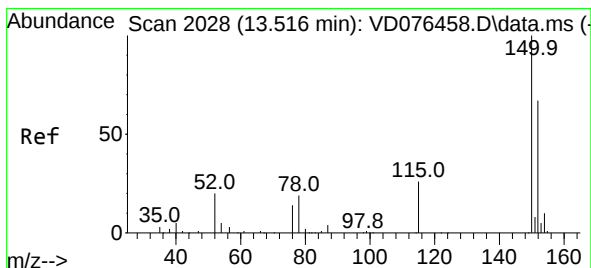
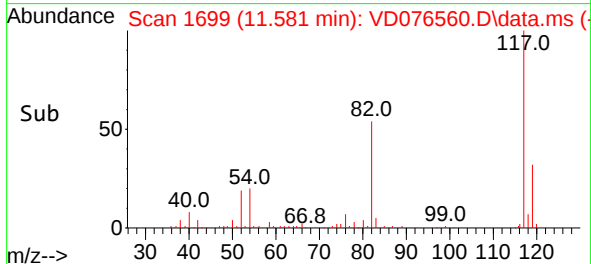
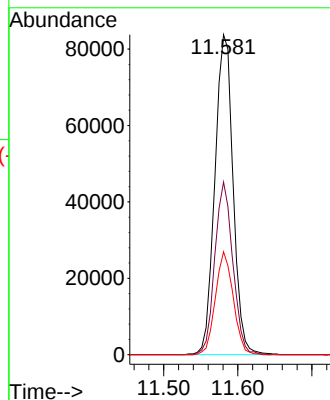
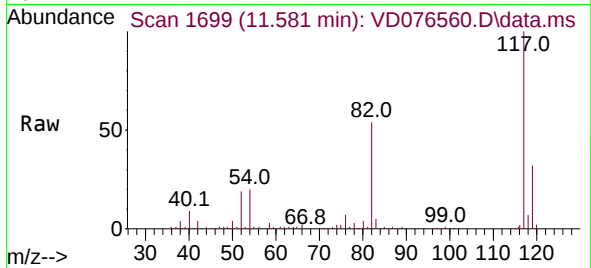




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VD076560.D  
Acq: 23 Jun 2023 16:03

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP4RE

Tgt Ion:117 Resp: 143351  
Ion Ratio Lower Upper  
117 100  
82 54.0 38.3 57.5  
119 32.1 25.0 37.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. -0.000 min  
Lab File: VD076560.D  
Acq: 23 Jun 2023 16:03

Tgt Ion:152 Resp: 44089  
Ion Ratio Lower Upper  
152 100  
115 55.7 27.1 81.3  
150 164.0 0.0 353.6

