

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062223\  
 Data File : VD076538.D  
 Acq On : 22 Jun 2023 14:44  
 Operator : KP/SY  
 Sample : 03352-01  
 Misc : 4.56G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 BU-3-062023

Quant Time: Jun 23 06:36:17 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      | 7.863  | 168  | 5054     | 50.000 | ug/l  | -0.01    |
| 34) 1,4-Difluorobenzene    | 8.781  | 114  | 10655    | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 11594    | 50.000 | ug/l  | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 5681     | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |           |
|-----------------------------|--------|-------|----------|----------|------|-----------|
| System Monitoring Compounds |        |       |          |          |      |           |
| 33) 1,2-Dichloroethane-d4   | 8.234  | 65    | 7071     | 139.642  | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 279.280%# |
| 35) Dibromofluoromethane    | 7.805  | 113   | 5336     | 84.300   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 168.600%# |
| 50) Toluene-d8              | 10.269 | 98    | 15478    | 64.477   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 128.960%  |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 5654     | 72.573   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 145.140%# |

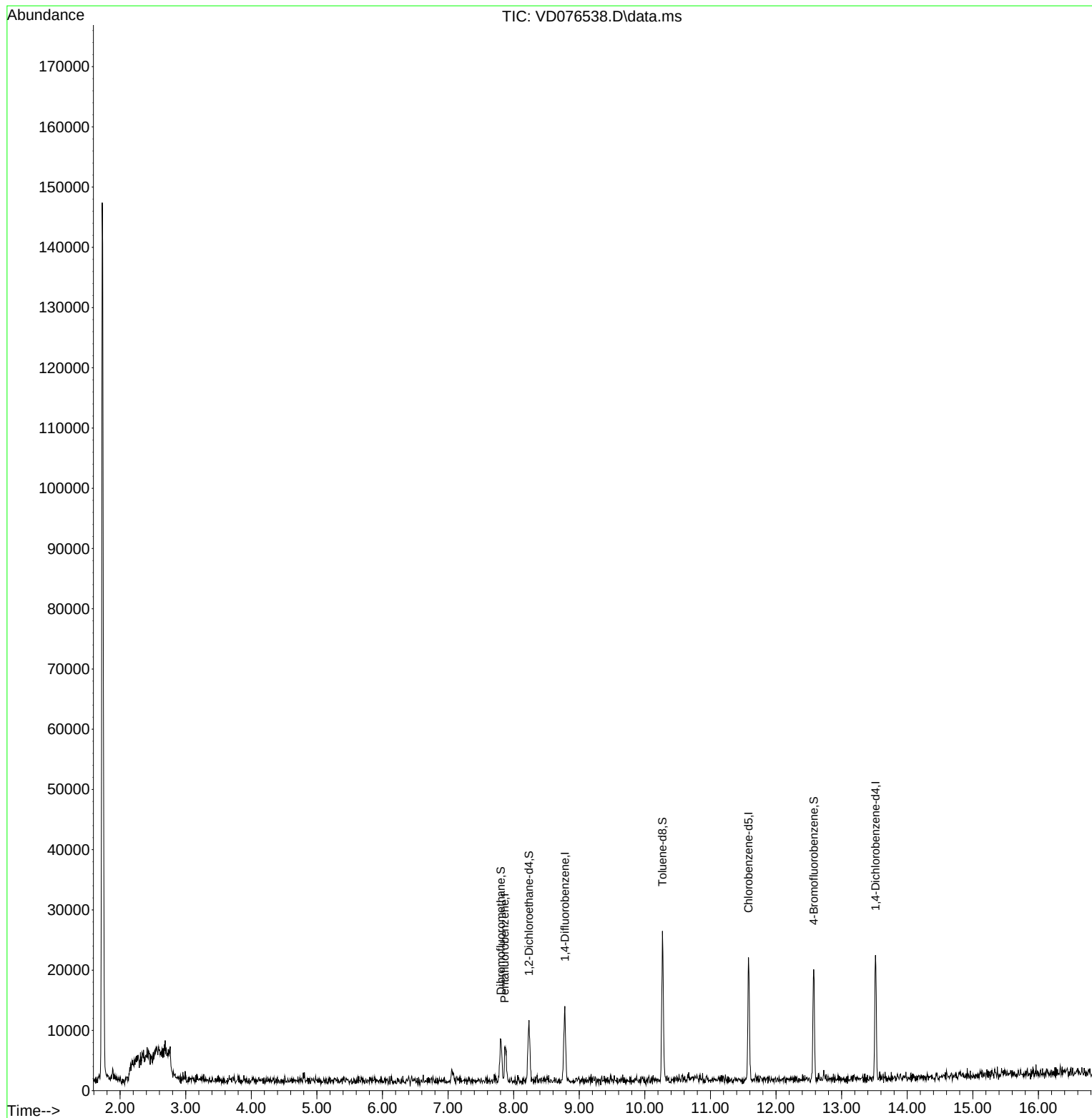
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

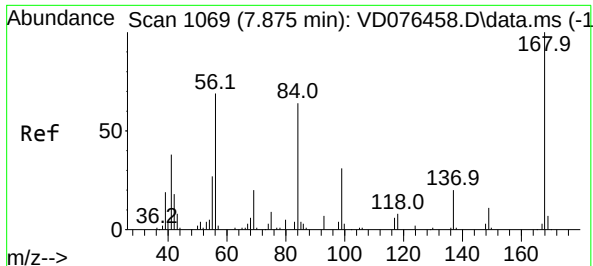
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Mon Jun 19 04:51:45 2023  
Response via : Initial Calibration

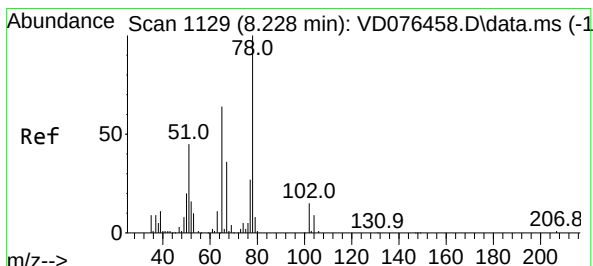
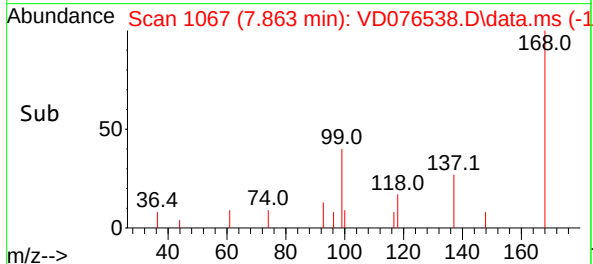
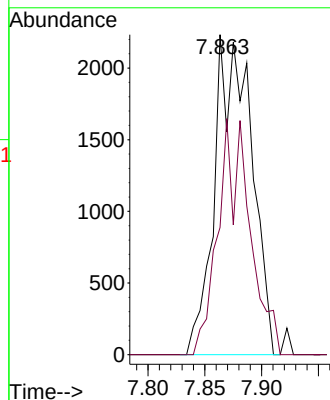
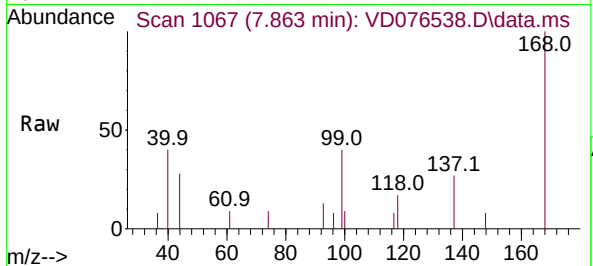




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.863 min Scan# 110  
Delta R.T. -0.012 min  
Lab File: VD076538.D  
Acq: 22 Jun 2023 14:44

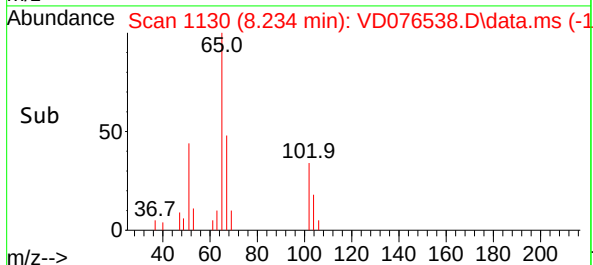
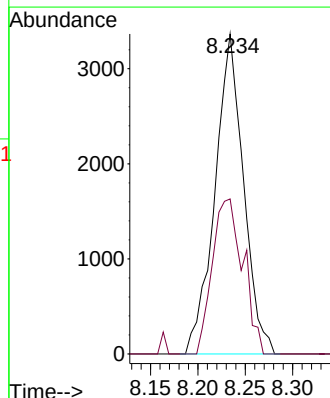
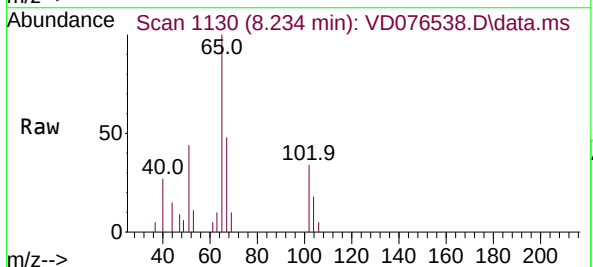
Instrument :  
MSVOA\_D  
ClientSampleId :  
BU-3-062023

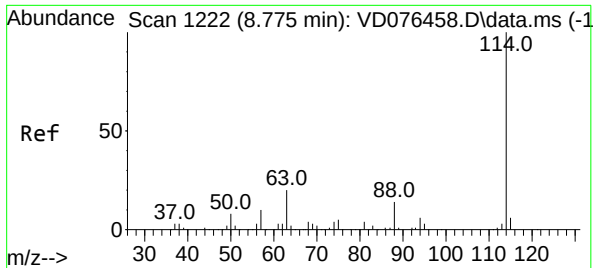
Tgt Ion:168 Resp: 5054  
Ion Ratio Lower Upper  
168 100  
99 39.8 36.7 55.1



#33  
1,2-Dichloroethane-d4  
Concen: 139.642 ug/l  
RT: 8.234 min Scan# 1130  
Delta R.T. 0.006 min  
Lab File: VD076538.D  
Acq: 22 Jun 2023 14:44

Tgt Ion: 65 Resp: 7071  
Ion Ratio Lower Upper  
65 100  
67 52.0 0.0 115.0

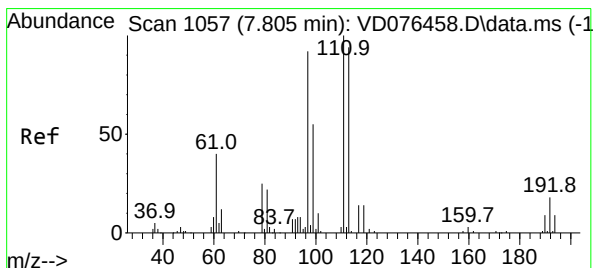
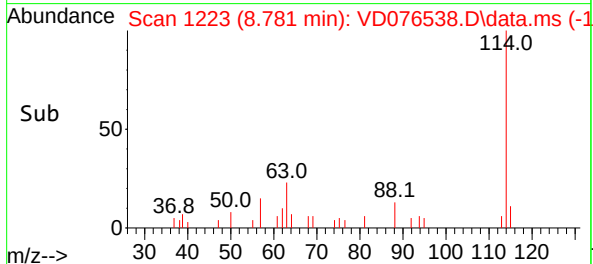
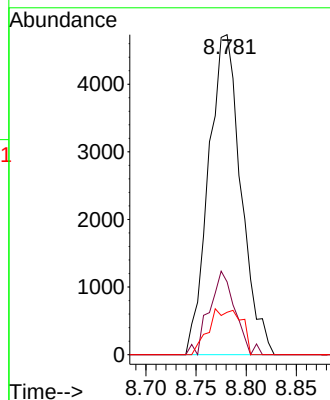
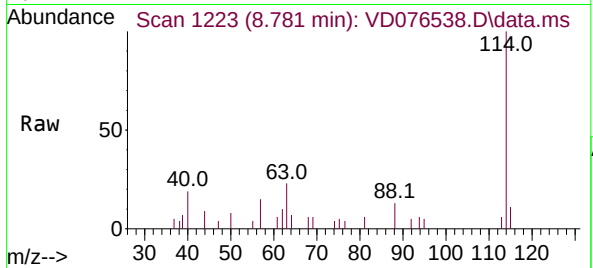




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.781 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VD076538.D  
Acq: 22 Jun 2023 14:44

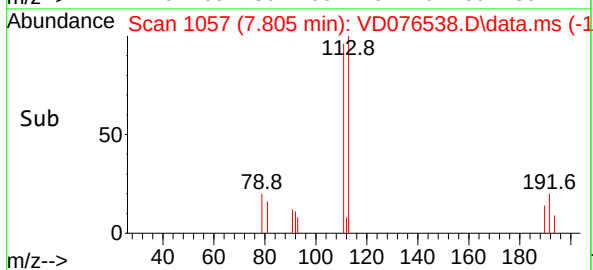
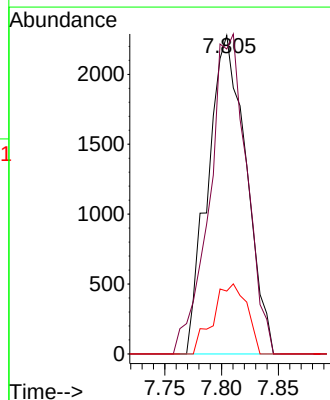
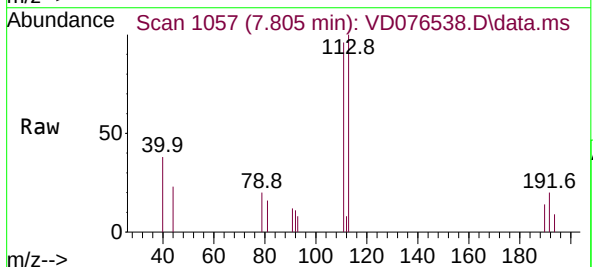
Instrument :  
MSVOA\_D  
ClientSampleId :  
BU-3-062023

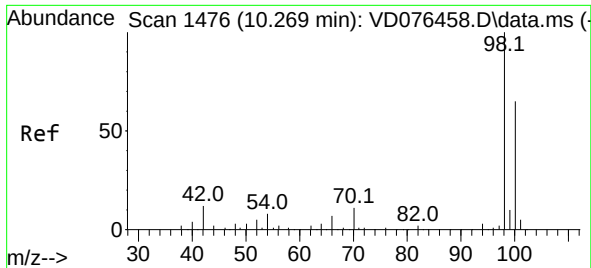
Tgt Ion:114 Resp: 10655  
Ion Ratio Lower Upper  
114 100  
63 22.8 0.0 33.4  
88 13.3 0.0 26.2



#35  
Dibromofluoromethane  
Concen: 84.300 ug/l  
RT: 7.805 min Scan# 1057  
Delta R.T. -0.000 min  
Lab File: VD076538.D  
Acq: 22 Jun 2023 14:44

Tgt Ion:113 Resp: 5336  
Ion Ratio Lower Upper  
113 100  
111 98.1 84.7 127.1  
192 19.5 16.8 25.2

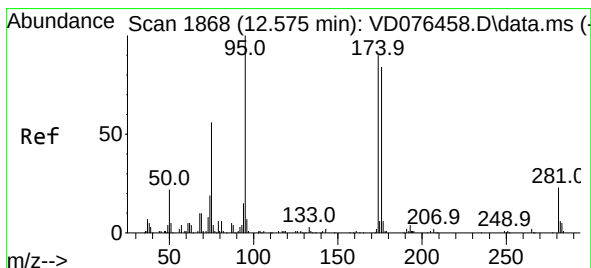
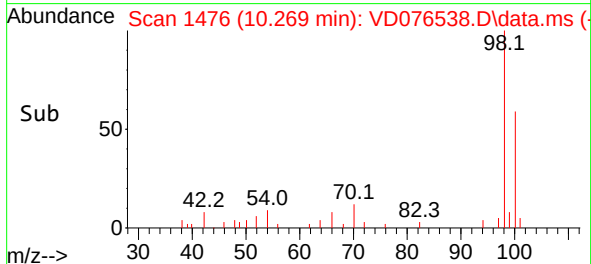
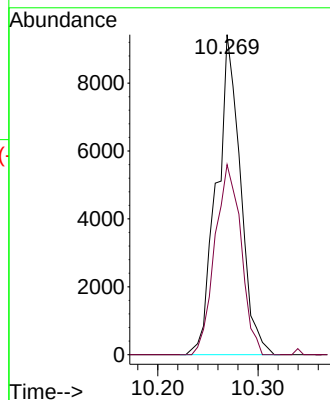
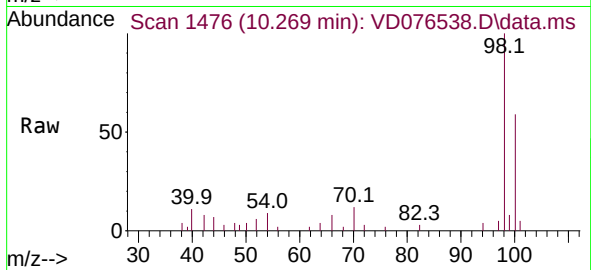




#50  
Toluene-d8  
Concen: 64.477 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. -0.000 min  
Lab File: VD076538.D  
Acq: 22 Jun 2023 14:44

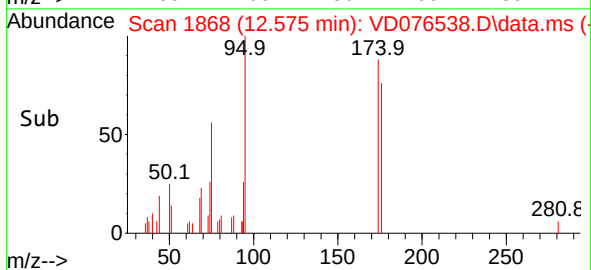
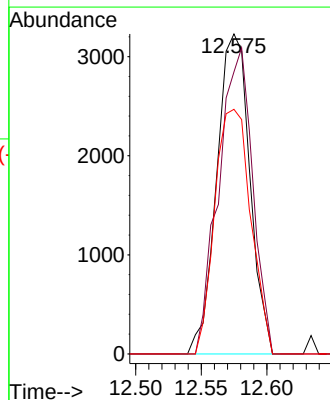
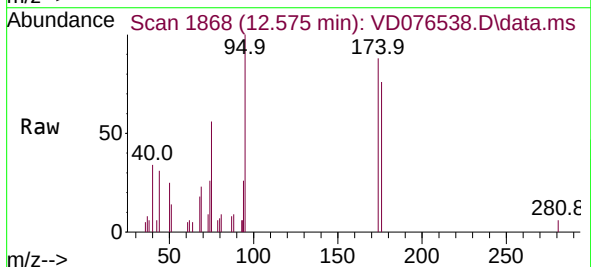
Instrument :  
MSVOA\_D  
ClientSampleId :  
BU-3-062023

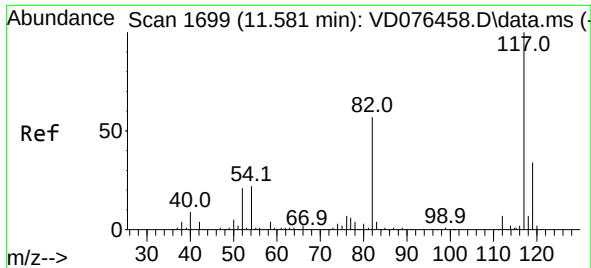
Tgt Ion: 98 Resp: 15478  
Ion Ratio Lower Upper  
98 100  
100 65.3 50.3 75.5



#62  
4-Bromofluorobenzene  
Concen: 72.573 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD076538.D  
Acq: 22 Jun 2023 14:44

Tgt Ion: 95 Resp: 5654  
Ion Ratio Lower Upper  
95 100  
174 97.9 0.0 201.8  
176 83.3 0.0 191.8

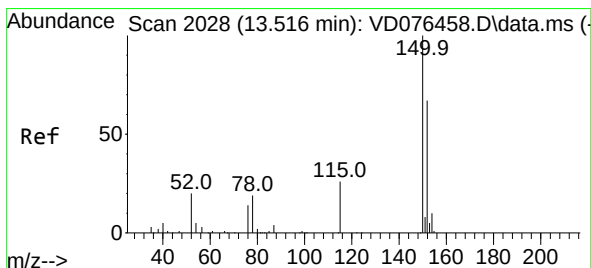
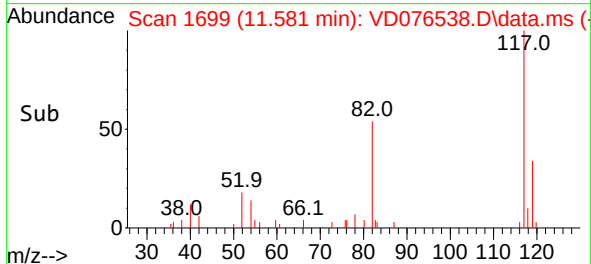
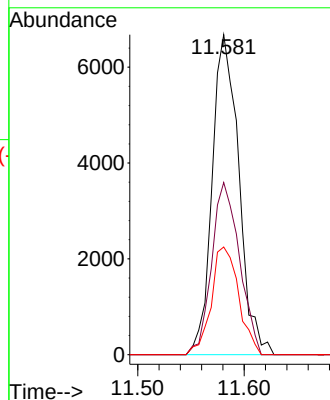
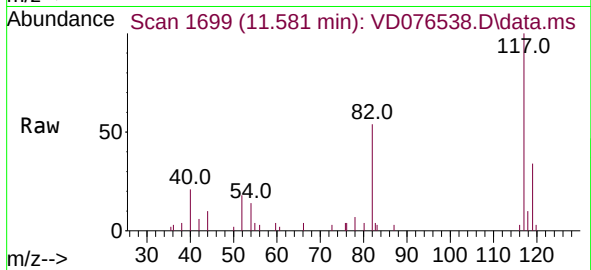




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 11594  
Delta R.T. -0.000 min  
Lab File: VD076538.D  
Acq: 22 Jun 2023 14:44

Instrument :  
MSVOA\_D  
ClientSampleId :  
BU-3-062023

Tgt Ion:117 Resp: 11594  
Ion Ratio Lower Upper  
117 100  
82 57.7 38.3 57.5#  
119 33.7 25.0 37.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. -0.000 min  
Lab File: VD076538.D  
Acq: 22 Jun 2023 14:44

Tgt Ion:152 Resp: 5681  
Ion Ratio Lower Upper  
152 100  
115 60.5 27.1 81.3  
150 156.8 0.0 353.6

