

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD122123\  
 Data File : VD078032.D  
 Acq On : 21 Dec 2023 18:06  
 Operator : RP/MD  
 Sample : 05877-03  
 Misc : 5.79G/5.0ml/MSVOA\_D/SOIL/A  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 COM14

Quant Time: Dec 22 05:27:40 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D120823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 14 14:48:10 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.881  | 168  | 174609   | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene    | 8.781  | 114  | 307015   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 298599   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 127978   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.234  | 65    | 76821    | 37.337   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 74.680% |
| 35) Dibromofluoromethane    | 7.810  | 113   | 93204    | 43.340   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 86.680% |
| 50) Toluene-d8              | 10.269 | 98    | 404993   | 47.020   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 94.040% |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 108754   | 42.233   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 84.460% |

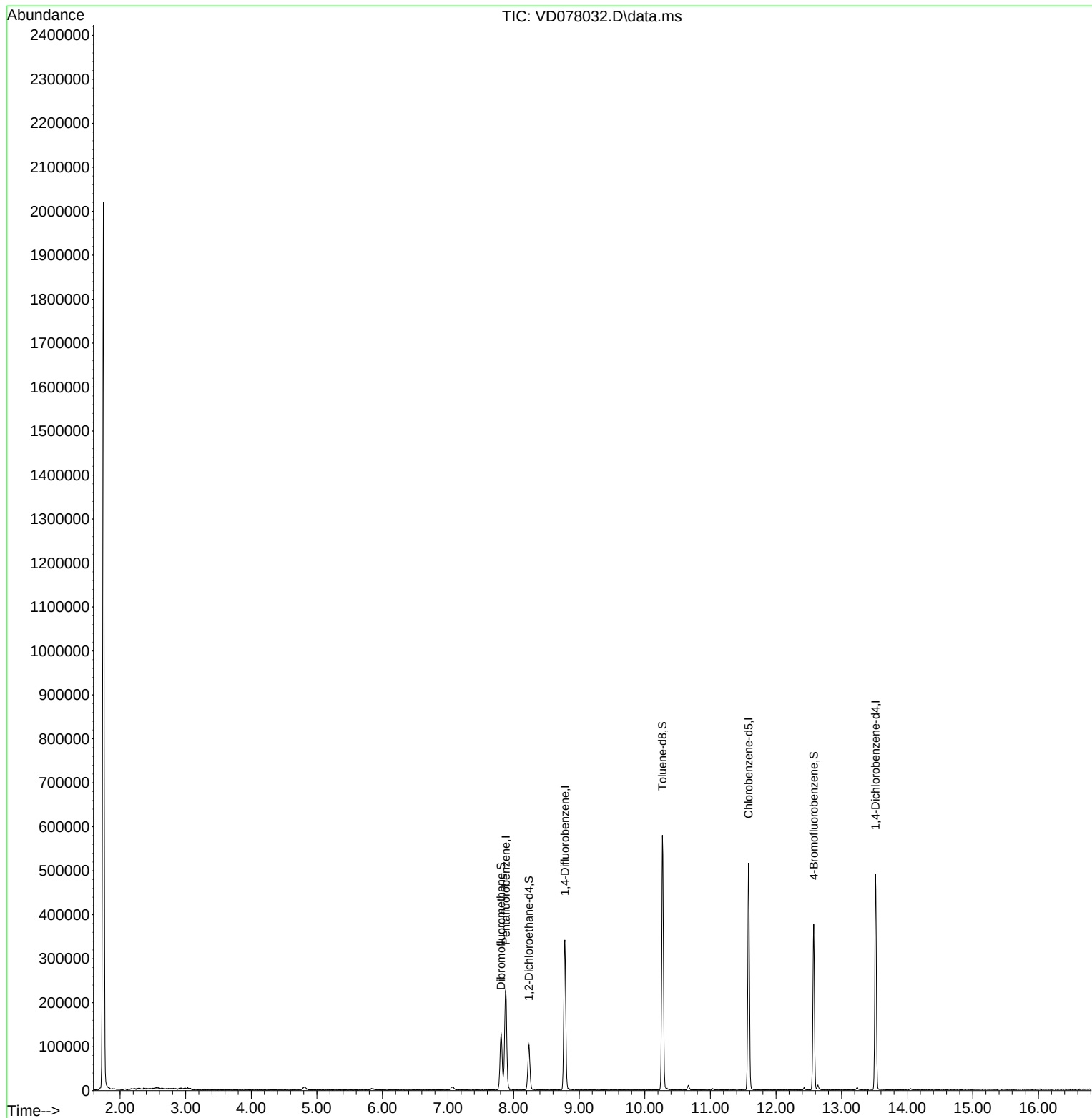
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

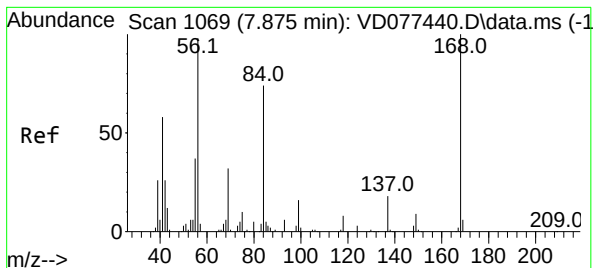
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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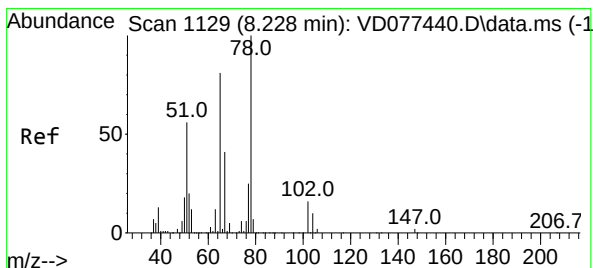
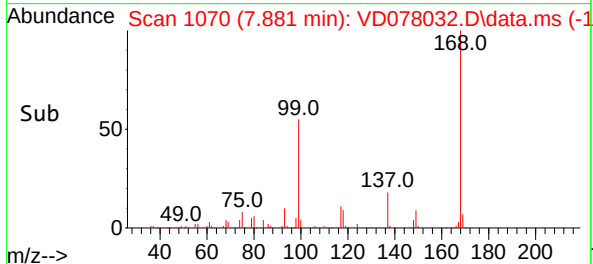
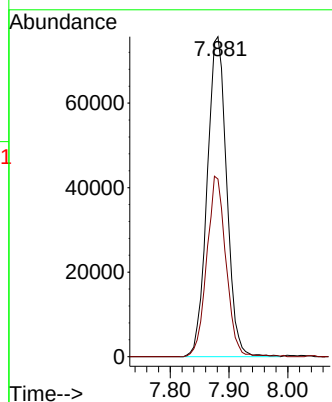
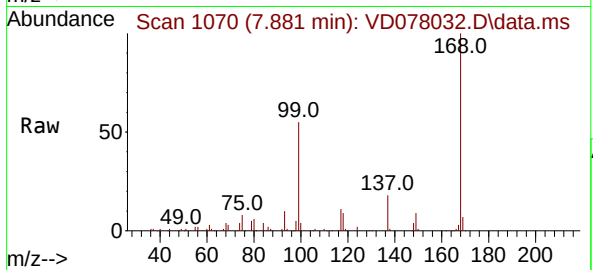




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.881 min Scan# 1109  
Delta R.T. 0.006 min  
Lab File: VD078032.D  
Acq: 21 Dec 2023 18:06

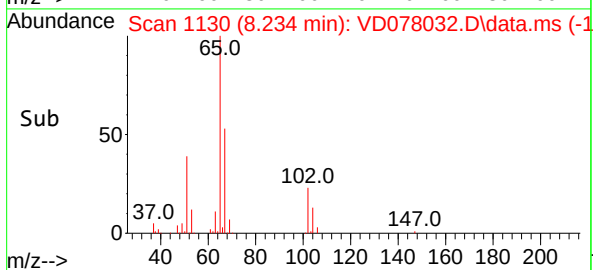
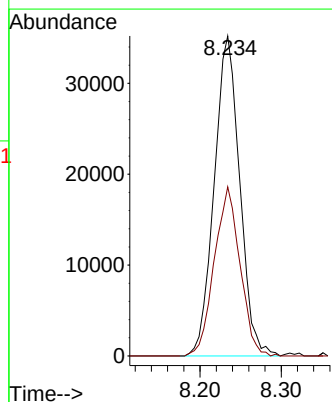
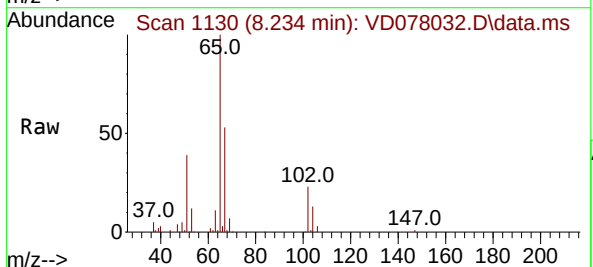
Instrument :  
MSVOA\_D  
ClientSampleId :  
COM14

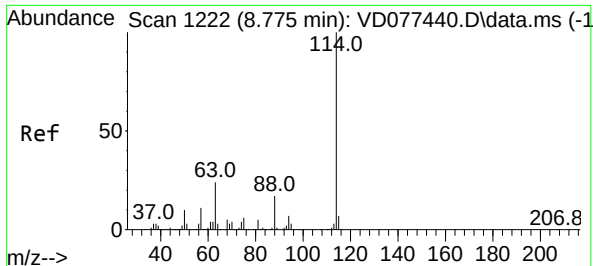
Tgt Ion:168 Resp: 174609  
Ion Ratio Lower Upper  
168 100  
99 55.5 36.7 55.1#



#33  
1,2-Dichloroethane-d4  
Concen: 37.337 ug/l  
RT: 8.234 min Scan# 1130  
Delta R.T. 0.006 min  
Lab File: VD078032.D  
Acq: 21 Dec 2023 18:06

Tgt Ion: 65 Resp: 76821  
Ion Ratio Lower Upper  
65 100  
67 53.3 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: VD078032.D

Acq: 21 Dec 2023 18:06

Instrument :

MSVOA\_D

ClientSampleId :

COM14

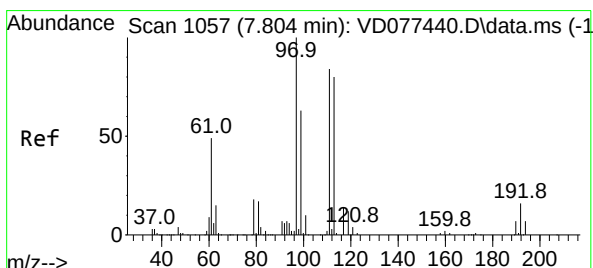
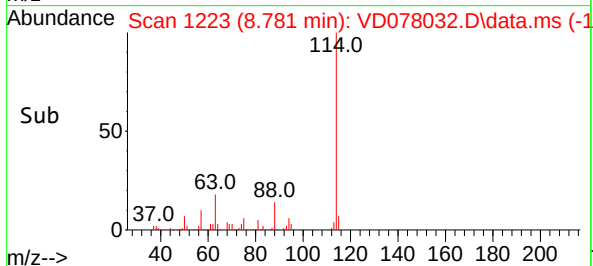
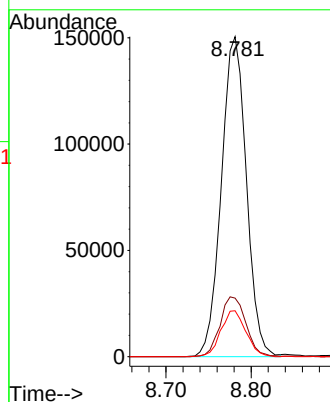
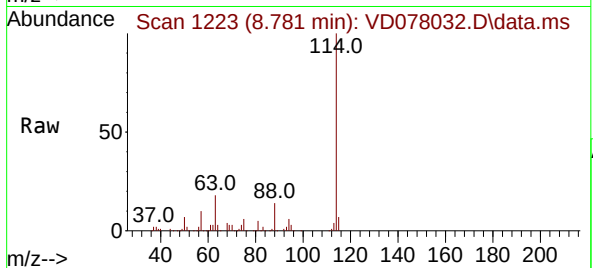
Tgt Ion:114 Resp: 307015

Ion Ratio Lower Upper

114 100

63 18.3 0.0 33.4

88 14.3 0.0 26.2



#35

Dibromofluoromethane

Concen: 43.340 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD078032.D

Acq: 21 Dec 2023 18:06

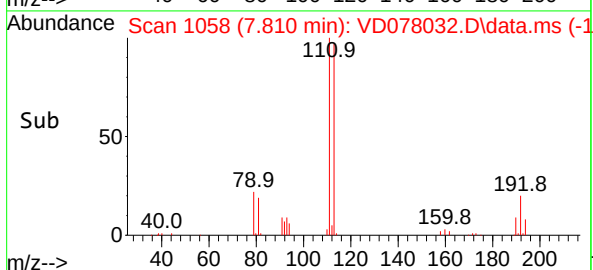
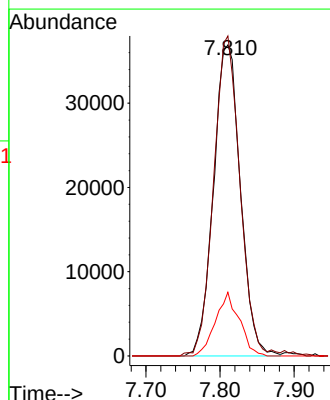
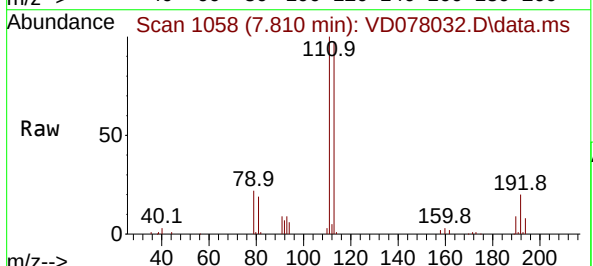
Tgt Ion:113 Resp: 93204

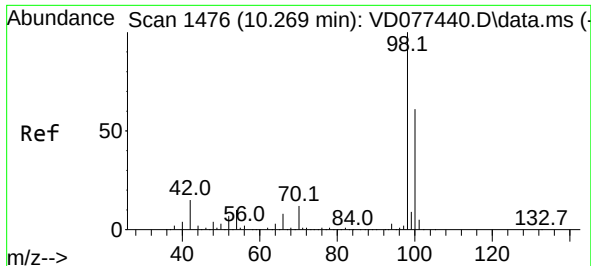
Ion Ratio Lower Upper

113 100

111 100.2 84.7 127.1

192 18.1 16.8 25.2

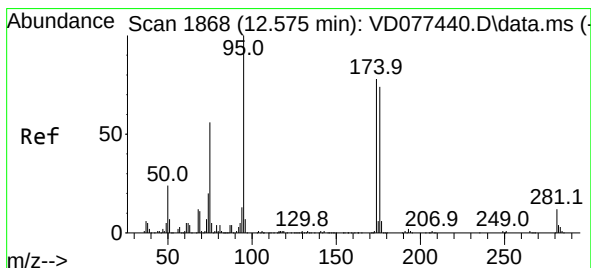
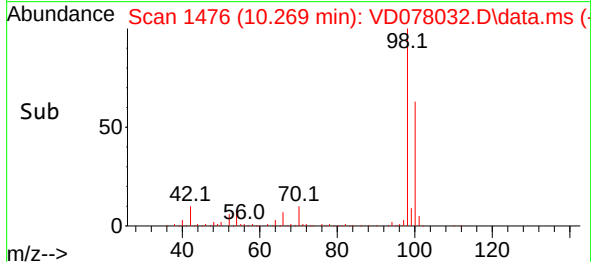
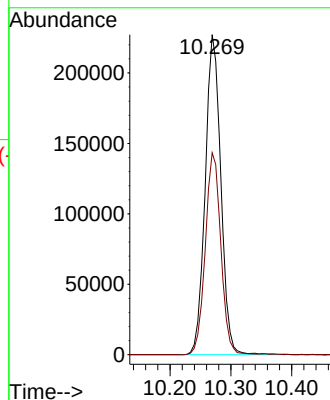
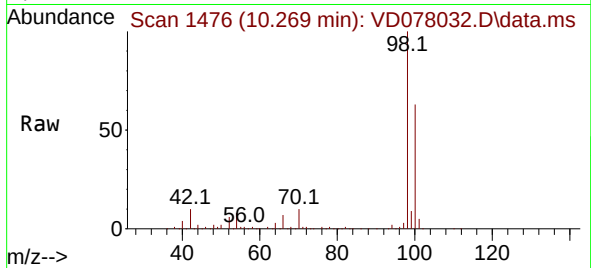




#50  
Toluene-d8  
Concen: 47.020 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD078032.D  
Acq: 21 Dec 2023 18:06

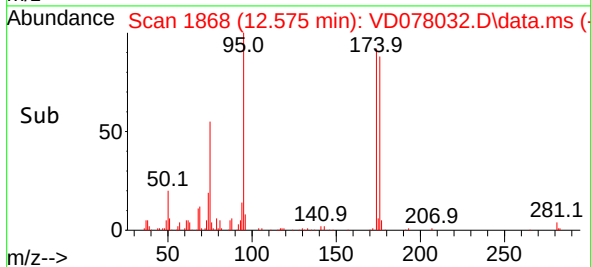
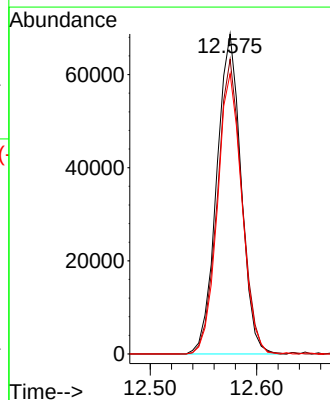
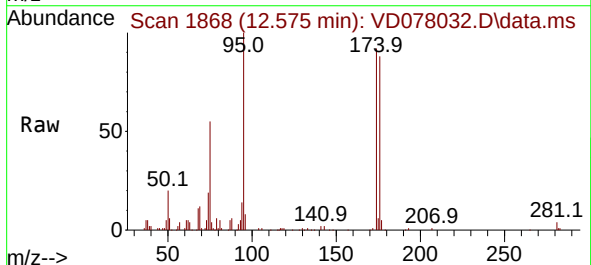
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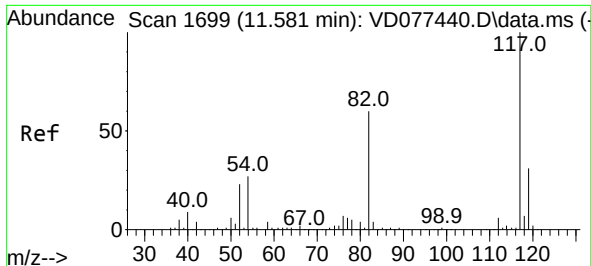
Tgt Ion: 98 Resp: 404993  
Ion Ratio Lower Upper  
98 100  
100 62.8 50.3 75.5



#62  
4-Bromofluorobenzene  
Concen: 42.233 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD078032.D  
Acq: 21 Dec 2023 18:06

Tgt Ion: 95 Resp: 108754  
Ion Ratio Lower Upper  
95 100  
174 92.6 0.0 201.8  
176 87.8 0.0 191.8

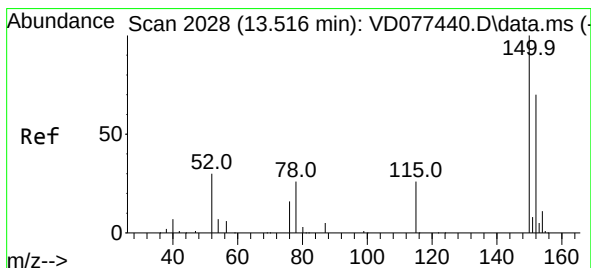
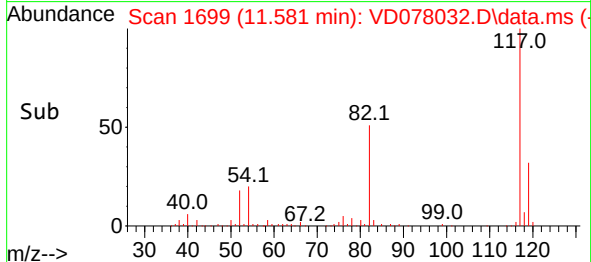
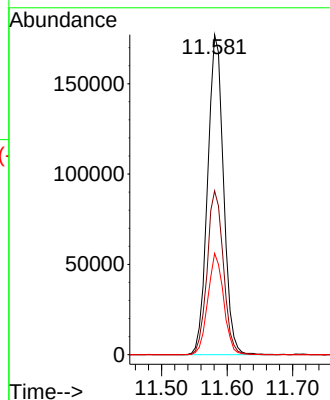
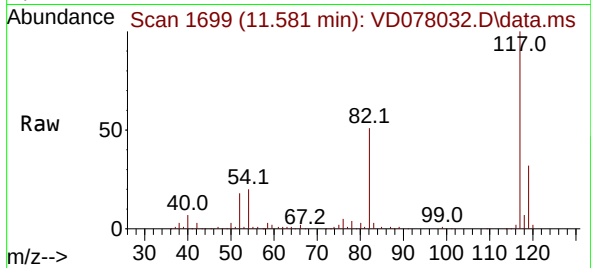




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD078032.D  
Acq: 21 Dec 2023 18:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
COM14

Tgt Ion:117 Resp: 298599  
Ion Ratio Lower Upper  
117 100  
82 51.2 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. 0.000 min  
Lab File: VD078032.D  
Acq: 21 Dec 2023 18:06

Tgt Ion:152 Resp: 127978  
Ion Ratio Lower Upper  
152 100  
115 57.5 27.1 81.3  
150 158.9 0.0 353.6

