

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD122123\  
 Data File : VD078046.D  
 Acq On : 22 Dec 2023 02:31  
 Operator : RP/MD  
 Sample : 05877-11  
 Misc : 3.99G/5.0ml/MSVOA\_D/SOIL/A  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 COM45

Quant Time: Dec 22 05:53:25 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  | 163622   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.781  | 114  | 284068   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 255714   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 93963    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.234  | 65    | 74159    | 38.463   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 76.920% |
| 35) Dibromofluoromethane    | 7.811  | 113   | 86851    | 43.648   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 87.300% |
| 50) Toluene-d8              | 10.269 | 98    | 354992   | 44.544   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 89.080% |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 90963    | 38.177   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 76.360% |

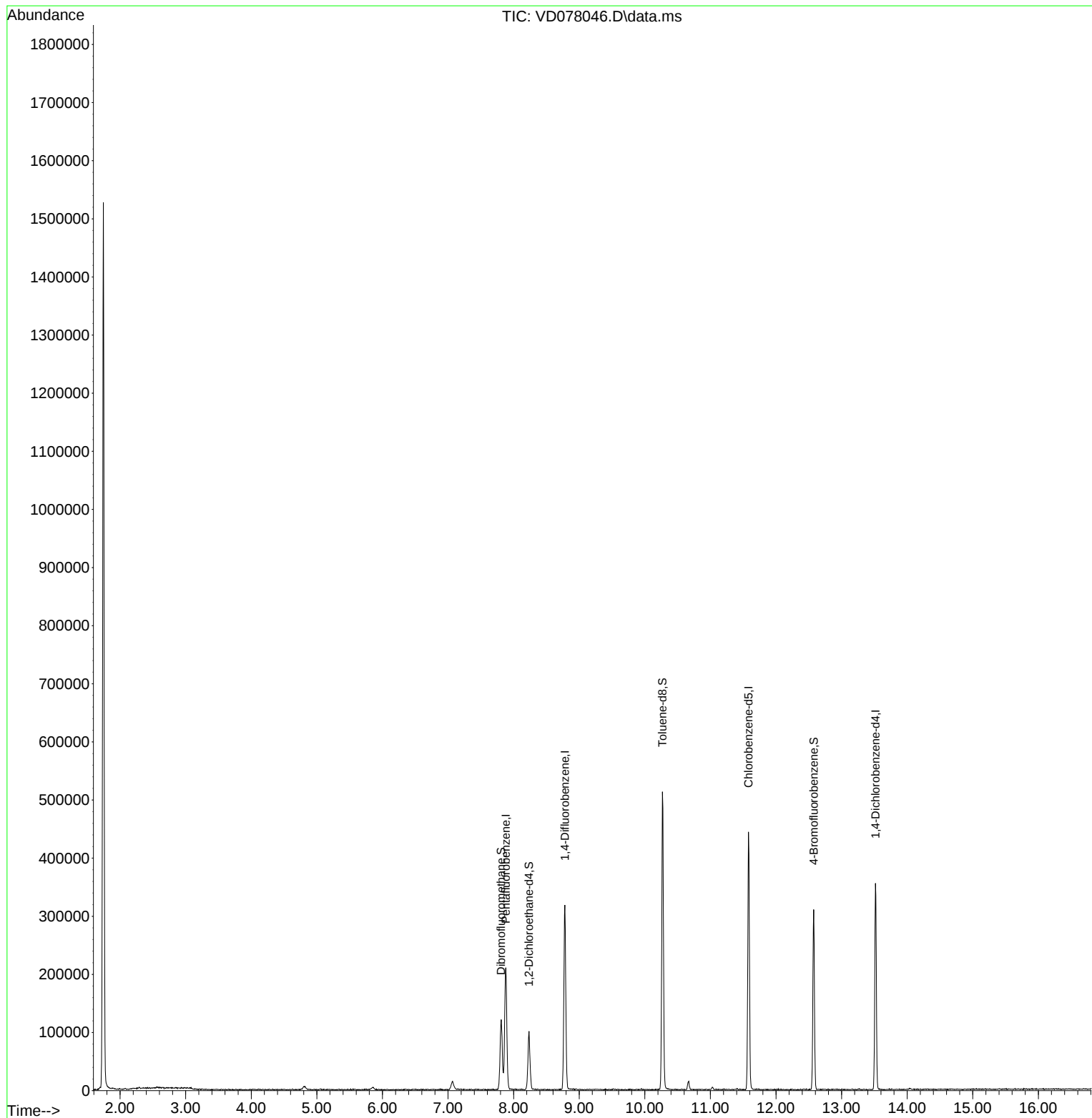
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

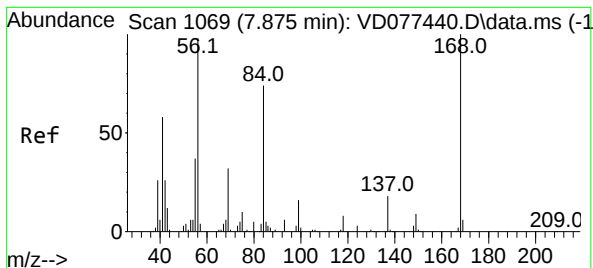
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Dec 14 14:48:10 2023  
Response via : Initial Calibration

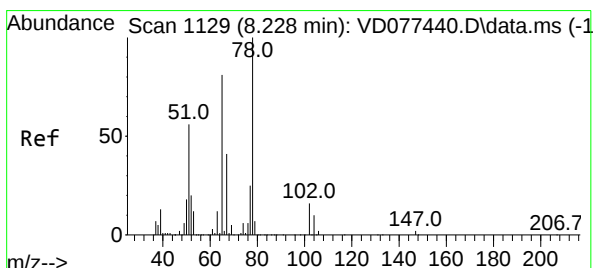
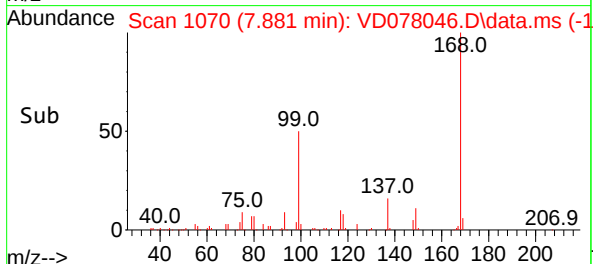
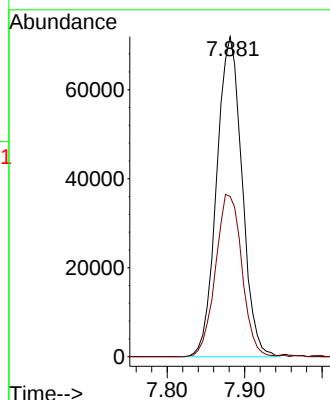
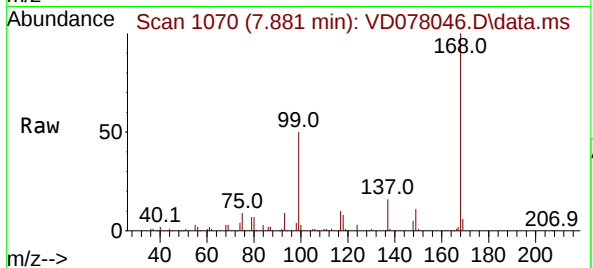




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.881 min Scan# 110  
Delta R.T. 0.006 min  
Lab File: VD078046.D  
Acq: 22 Dec 2023 02:31

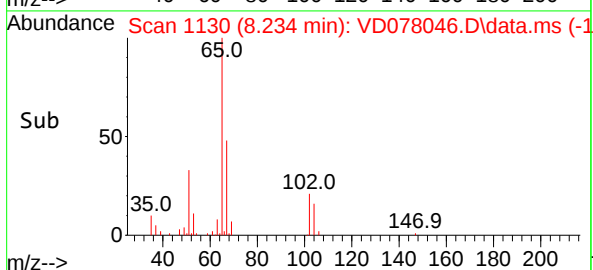
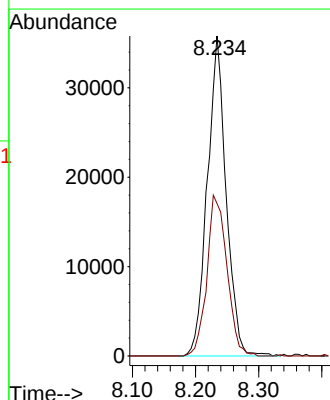
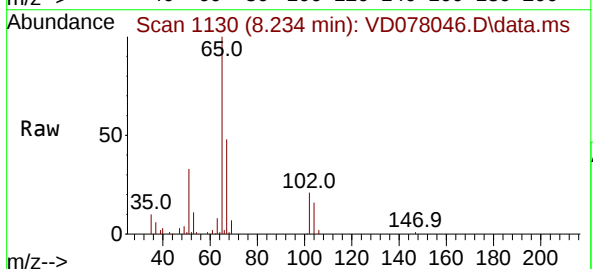
Instrument :  
MSVOA\_D  
ClientSampleId :  
COM45

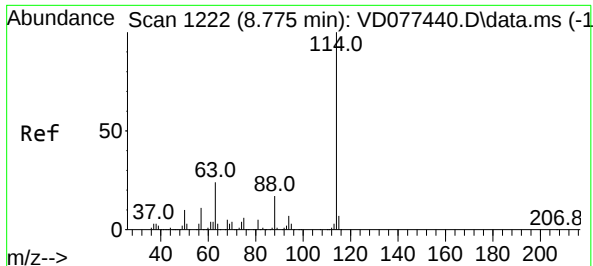
Tgt Ion:168 Resp: 163622  
Ion Ratio Lower Upper  
168 100  
99 50.1 36.7 55.1



#33  
1,2-Dichloroethane-d4  
Concen: 38.463 ug/l  
RT: 8.234 min Scan# 1130  
Delta R.T. 0.006 min  
Lab File: VD078046.D  
Acq: 22 Dec 2023 02:31

Tgt Ion: 65 Resp: 74159  
Ion Ratio Lower Upper  
65 100  
67 53.4 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: VD078046.D

Acq: 22 Dec 2023 02:31

Instrument :

MSVOA\_D

ClientSampleId :

COM45

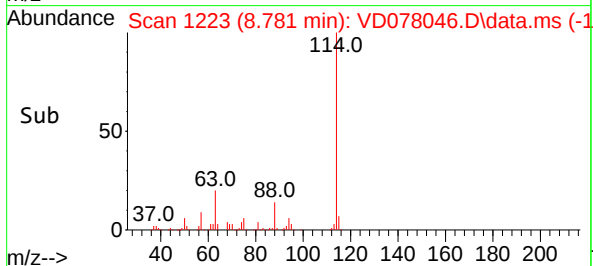
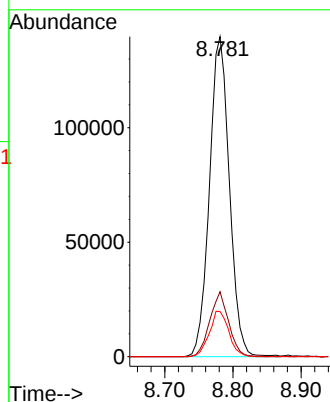
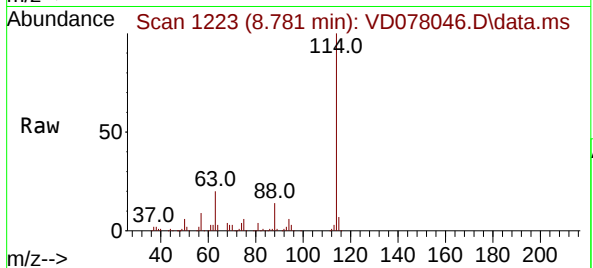
Tgt Ion:114 Resp: 284068

Ion Ratio Lower Upper

114 100

63 20.3 0.0 33.4

88 14.1 0.0 26.2



#35

Dibromofluoromethane

Concen: 43.648 ug/l

RT: 7.811 min Scan# 1058

Delta R.T. 0.007 min

Lab File: VD078046.D

Acq: 22 Dec 2023 02:31

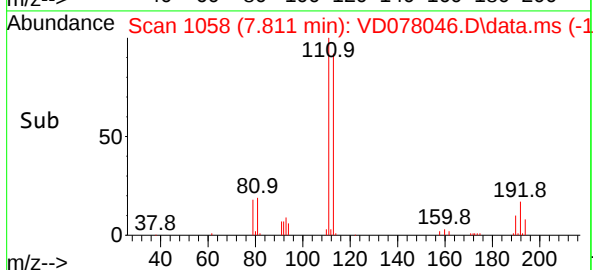
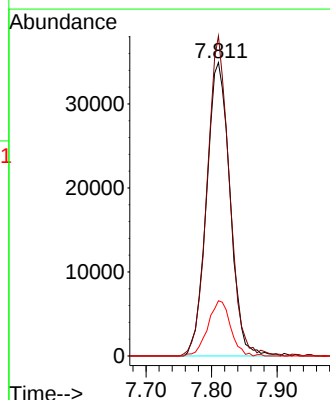
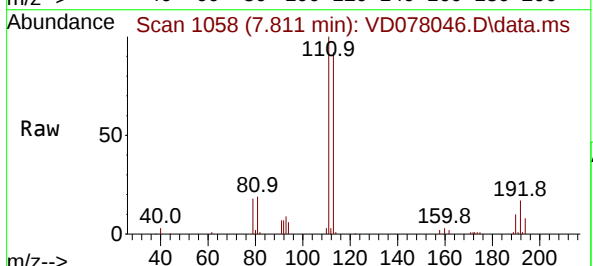
Tgt Ion:113 Resp: 86851

Ion Ratio Lower Upper

113 100

111 103.5 84.7 127.1

192 18.2 16.8 25.2

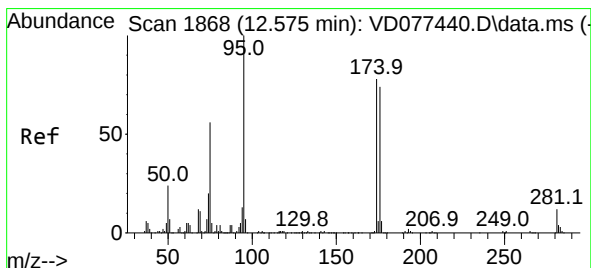
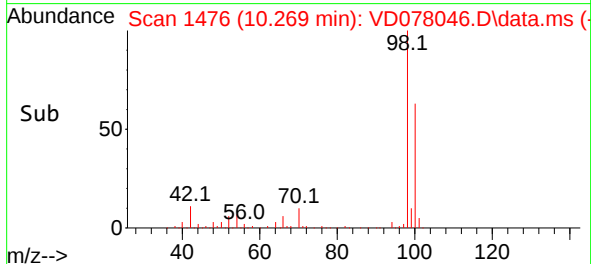
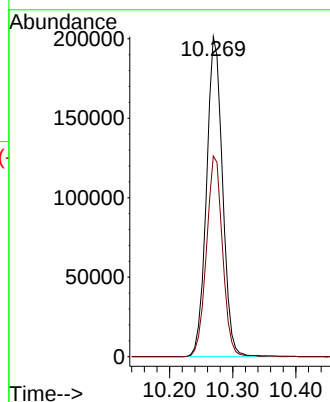
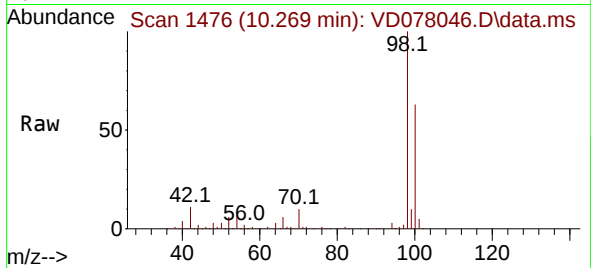




#50  
Toluene-d8  
Concen: 44.544 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD078046.D  
Acq: 22 Dec 2023 02:31

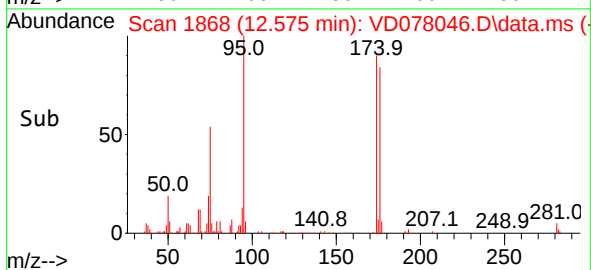
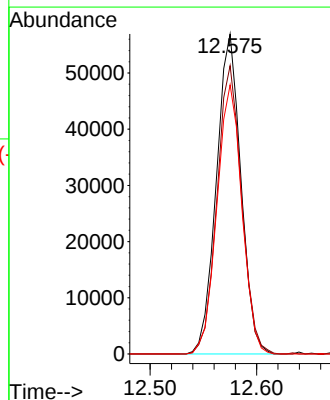
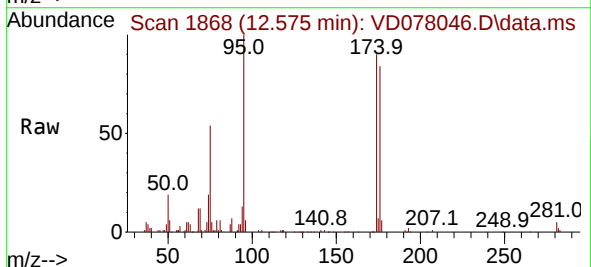
Instrument :  
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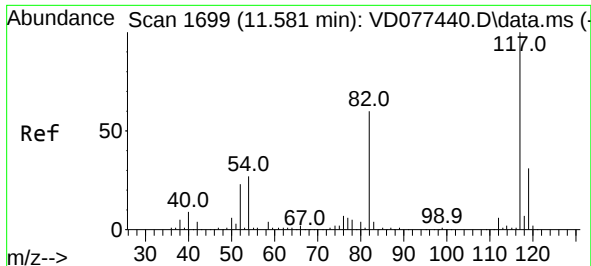
Tgt Ion: 98 Resp: 354992  
Ion Ratio Lower Upper  
98 100  
100 62.9 50.3 75.5



#62  
4-Bromofluorobenzene  
Concen: 38.177 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD078046.D  
Acq: 22 Dec 2023 02:31

Tgt Ion: 95 Resp: 90963  
Ion Ratio Lower Upper  
95 100  
174 90.5 0.0 201.8  
176 85.5 0.0 191.8

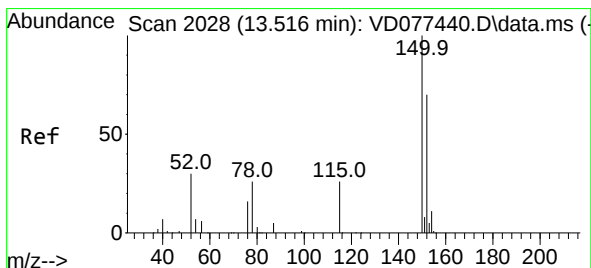
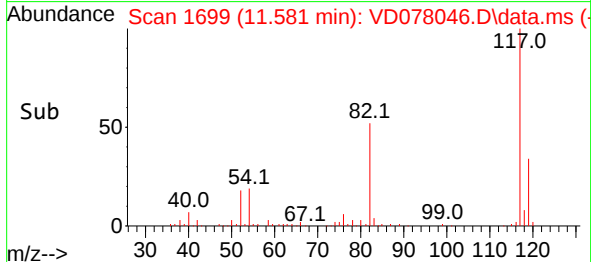
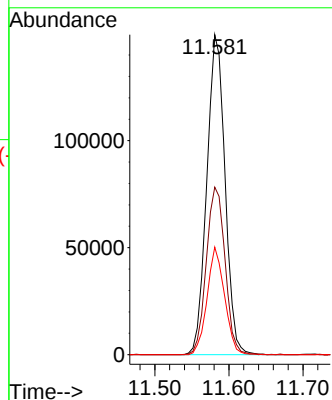
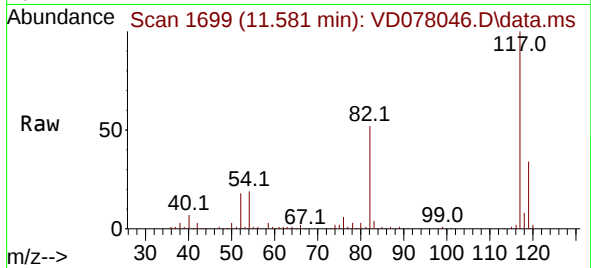




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD078046.D  
Acq: 22 Dec 2023 02:31

Instrument :  
MSVOA\_D  
ClientSampleId :  
COM45

Tgt Ion:117 Resp: 255714  
Ion Ratio Lower Upper  
117 100  
82 52.4 38.3 57.5  
119 33.6 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: VD078046.D  
Acq: 22 Dec 2023 02:31

Tgt Ion:152 Resp: 93963  
Ion Ratio Lower Upper  
152 100  
115 57.0 27.1 81.3  
150 162.5 0.0 353.6

