

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD032824\  
 Data File : VD078777.D  
 Acq On : 28 Mar 2024 16:30  
 Operator : RP/MD  
 Sample : P1874-03  
 Misc : 5.03G/5ml/MSVOA\_D/SOIL/B  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 72-11933

Quant Time: Mar 29 01:36:05 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031424S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 15 05:38:03 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.881  | 168  | 144684   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.781  | 114  | 281457   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 251004   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 105233   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.234  | 65    | 67360    | 49.678   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 99.360%  |
| 35) Dibromofluoromethane    | 7.810  | 113   | 85819    | 47.357   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 94.720%  |
| 50) Toluene-d8              | 10.269 | 98    | 340547   | 51.098   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 102.200% |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 84465    | 43.321   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 86.640%  |

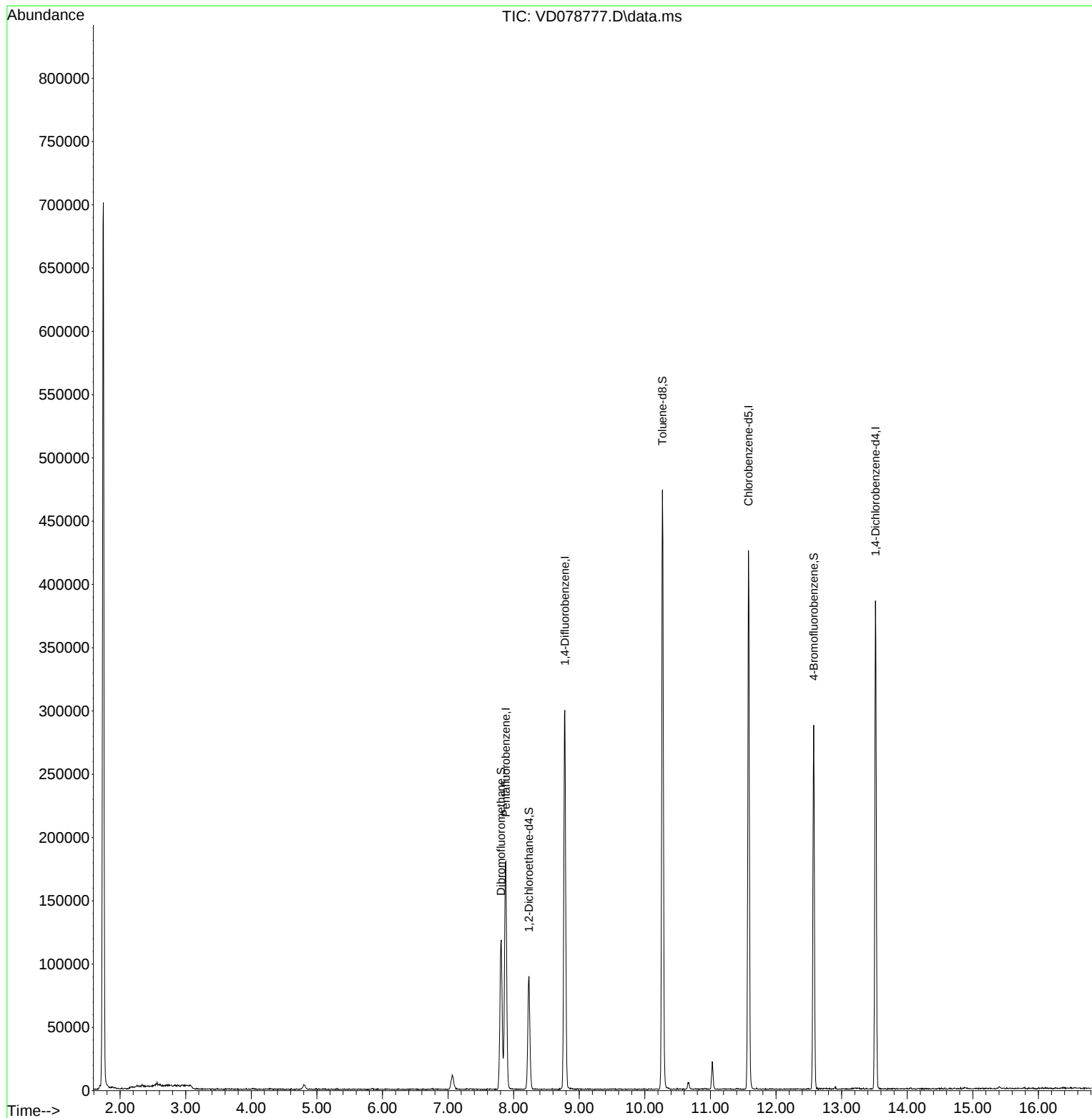
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

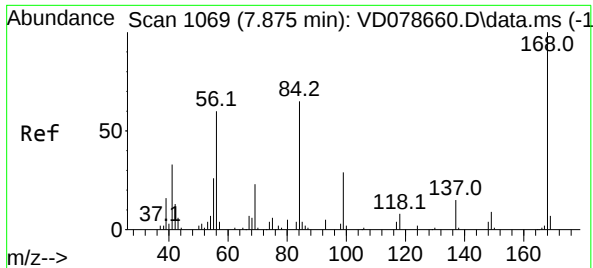
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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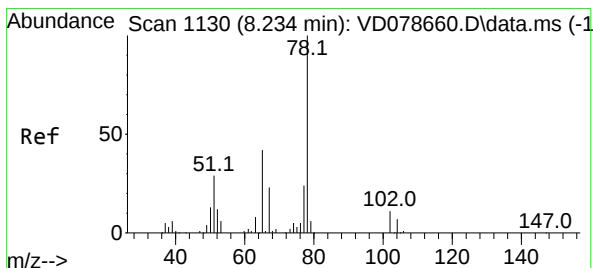
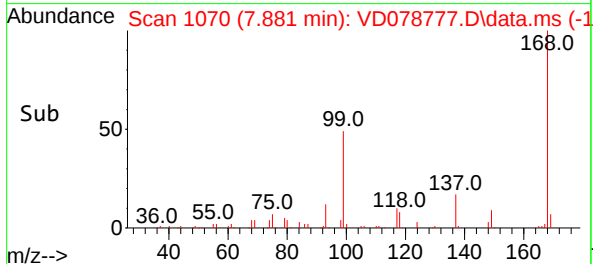
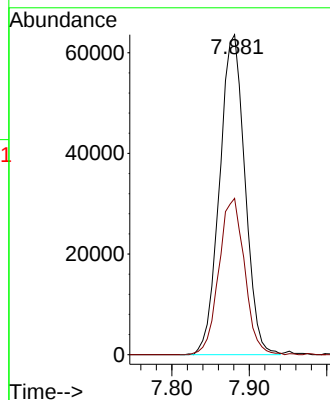
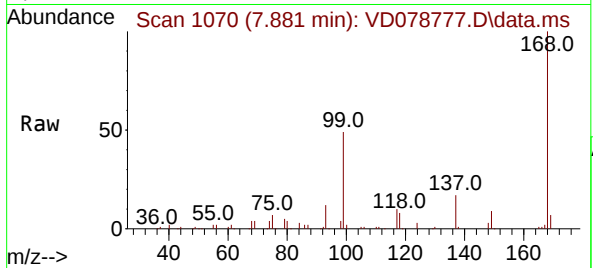




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.881 min Scan# 1069  
Delta R.T. 0.006 min  
Lab File: VD078777.D  
Acq: 28 Mar 2024 16:30

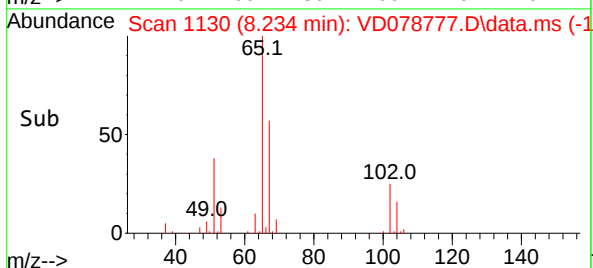
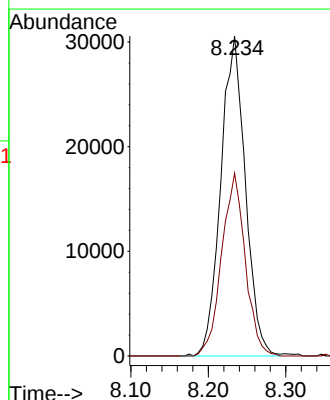
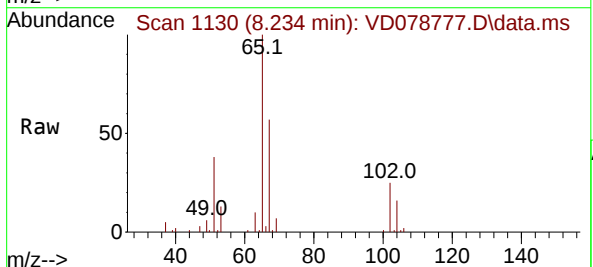
Instrument :  
MSVOA\_D  
ClientSampleId :  
72-11933

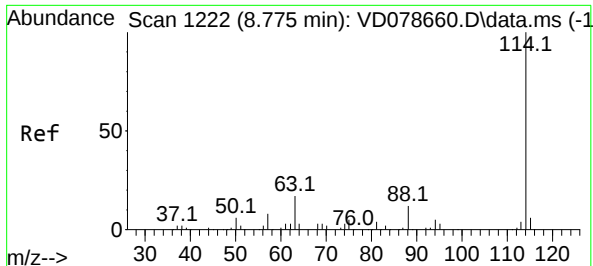
Tgt Ion:168 Resp: 144684  
Ion Ratio Lower Upper  
168 100  
99 48.9 38.8 58.2



#33  
1,2-Dichloroethane-d4  
Concen: 49.678 ug/l  
RT: 8.234 min Scan# 1130  
Delta R.T. -0.000 min  
Lab File: VD078777.D  
Acq: 28 Mar 2024 16:30

Tgt Ion: 65 Resp: 67360  
Ion Ratio Lower Upper  
65 100  
67 54.9 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD078777.D

Acq: 28 Mar 2024 16:30

Instrument :

MSVOA\_D

ClientSampleId :

72-11933

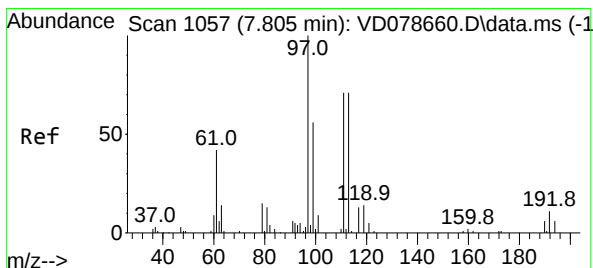
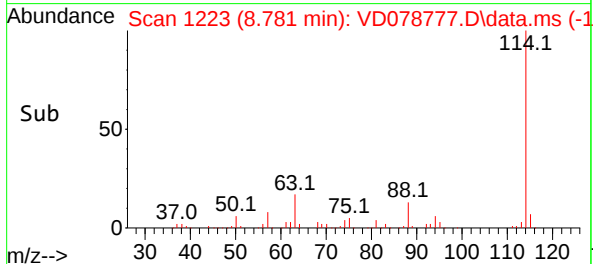
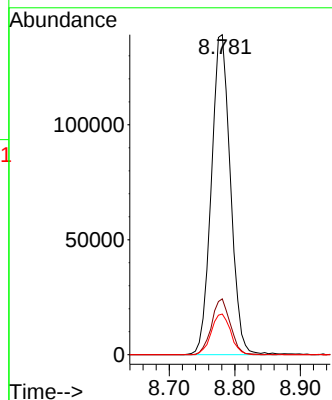
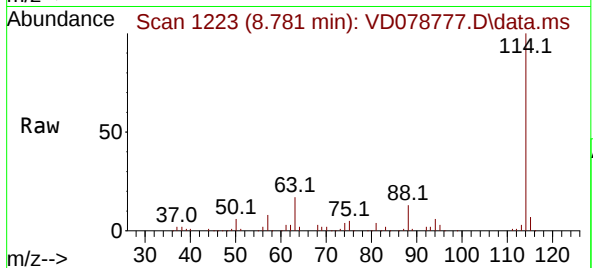
Tgt Ion:114 Resp: 281457

Ion Ratio Lower Upper

114 100

63 17.5 0.0 33.4

88 12.7 0.0 24.6



#35

Dibromofluoromethane

Concen: 47.357 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD078777.D

Acq: 28 Mar 2024 16:30

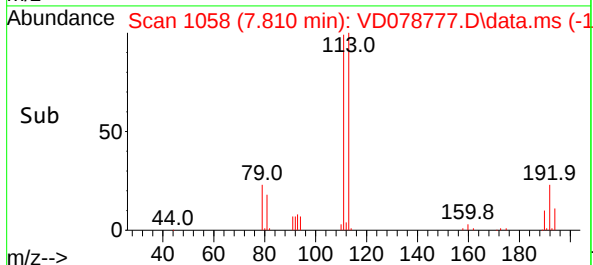
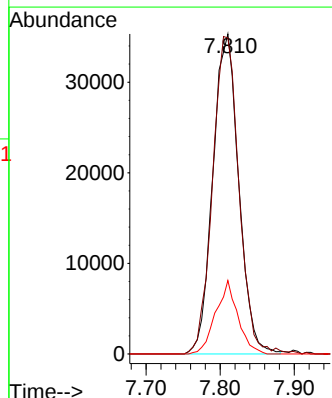
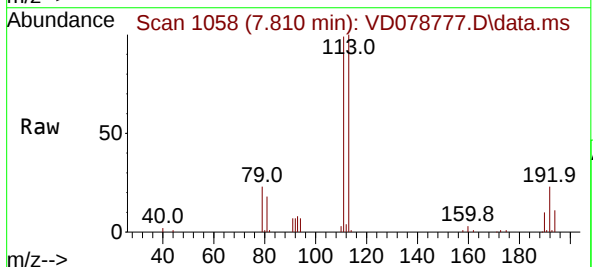
Tgt Ion:113 Resp: 85819

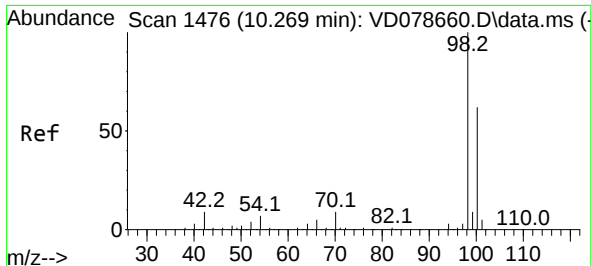
Ion Ratio Lower Upper

113 100

111 101.2 81.9 122.9

192 19.6 15.4 23.0

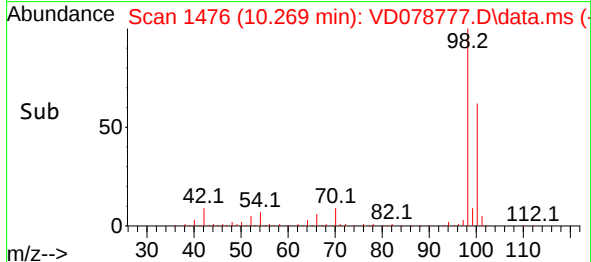
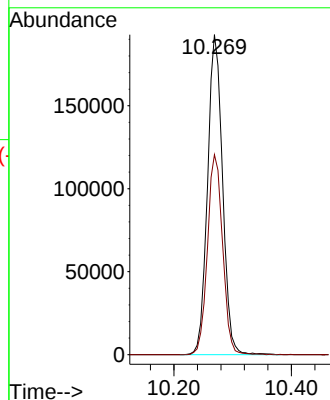
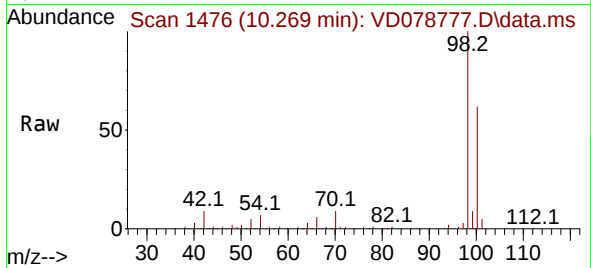




#50  
Toluene-d8  
Concen: 51.098 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. -0.000 min  
Lab File: VD078777.D  
Acq: 28 Mar 2024 16:30

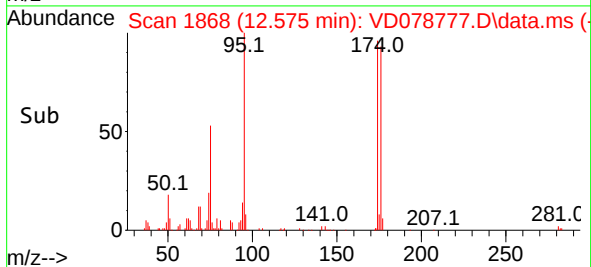
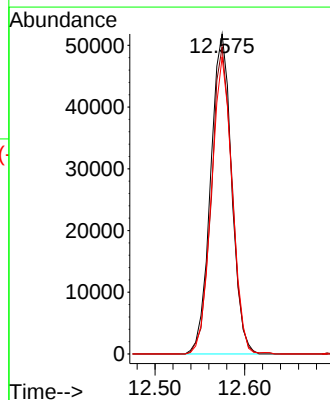
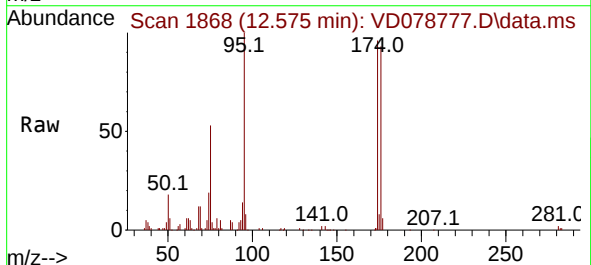
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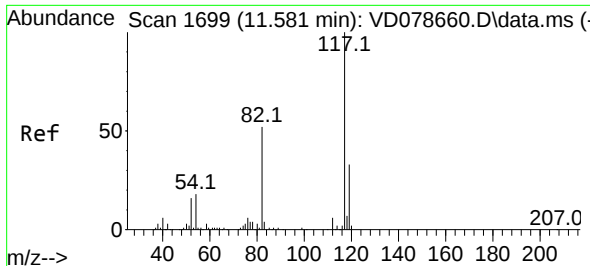
Tgt Ion: 98 Resp: 340547  
Ion Ratio Lower Upper  
98 100  
100 63.2 50.5 75.7



#62  
4-Bromofluorobenzene  
Concen: 43.321 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.006 min  
Lab File: VD078777.D  
Acq: 28 Mar 2024 16:30

Tgt Ion: 95 Resp: 84465  
Ion Ratio Lower Upper  
95 100  
174 93.2 0.0 195.2  
176 91.4 0.0 188.2

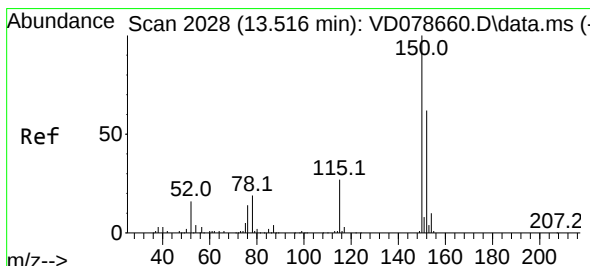
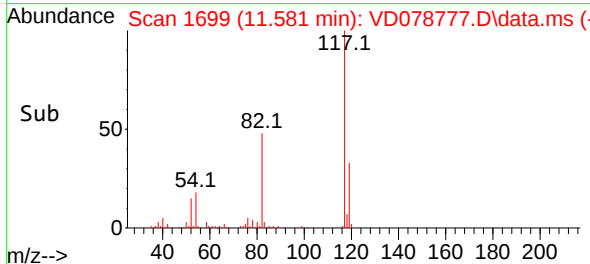
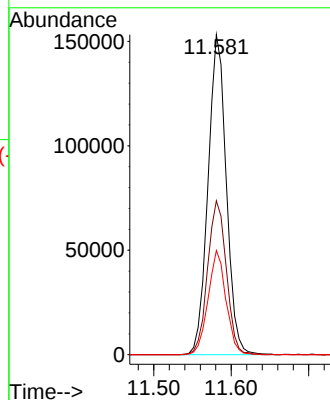
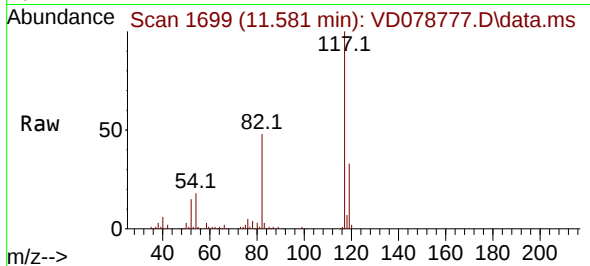




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VD078777.D  
Acq: 28 Mar 2024 16:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
72-11933

Tgt Ion:117 Resp: 251004  
Ion Ratio Lower Upper  
117 100  
82 48.1 41.4 62.2  
119 32.5 26.5 39.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. -0.000 min  
Lab File: VD078777.D  
Acq: 28 Mar 2024 16:30

Tgt Ion:152 Resp: 105233  
Ion Ratio Lower Upper  
152 100  
115 55.9 27.1 81.2  
150 159.2 0.0 350.2

