

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN062723\  
 Data File : VN078422.D  
 Acq On : 27 Jun 2023 17:29  
 Operator : JC\MD  
 Sample : 03390-01DL 5X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TW-3DL

Quant Time: Jun 28 07:12:59 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060623W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 07 05:05:00 2023  
 Response via : Initial Calibration

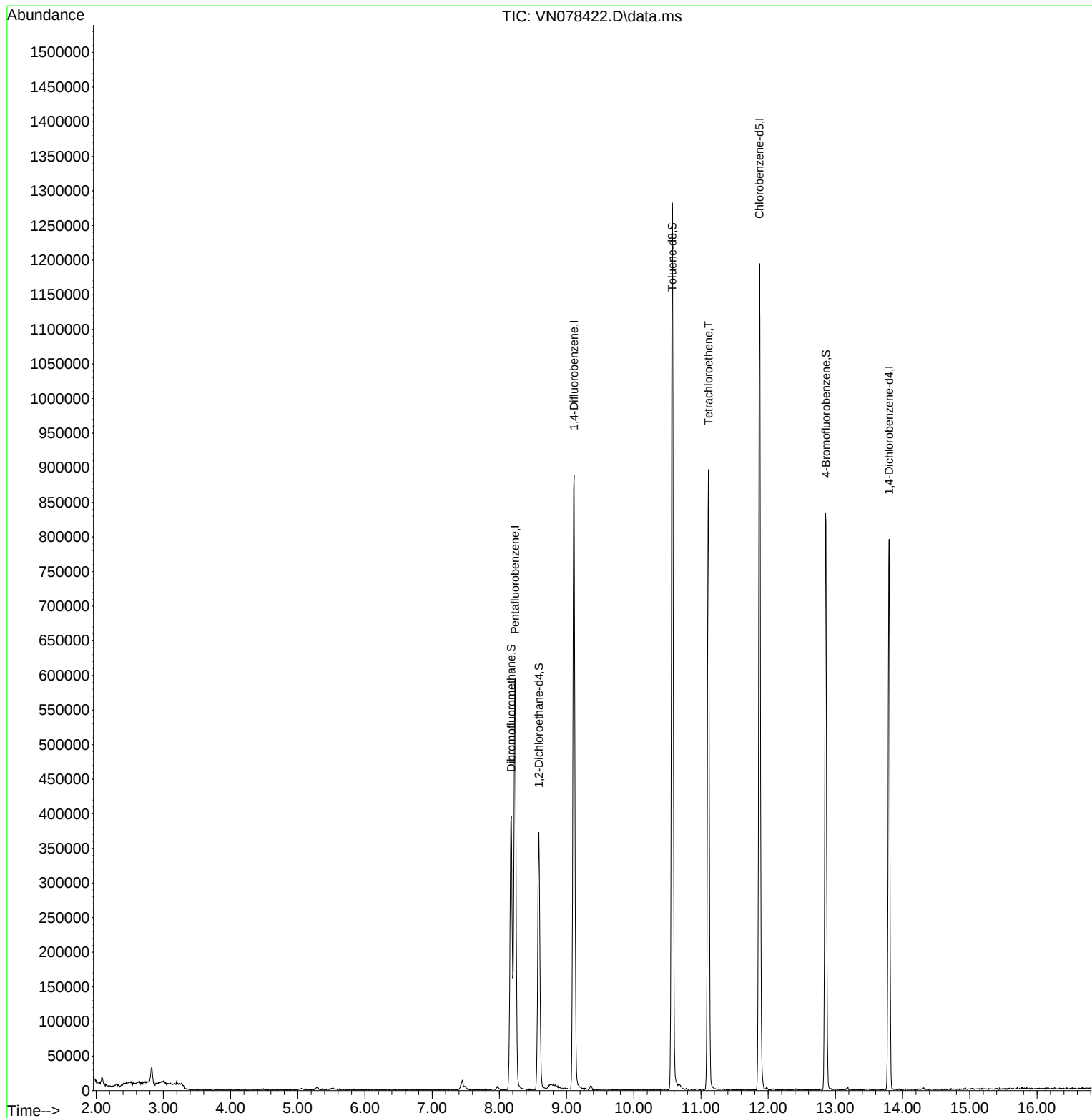
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 8.235  | 168   | 433224   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.112  | 114   | 791844   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.870 | 117   | 727166   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.800 | 152   | 217653   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.588  | 65    | 304691   | 52.749   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =     | 105.500% |
| 35) Dibromofluoromethane    | 8.177  | 113   | 285719   | 57.067   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =     | 114.140% |
| 50) Toluene-d8              | 10.570 | 98    | 935188   | 48.452   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =     | 96.900%  |
| 62) 4-Bromofluorobenzene    | 12.859 | 95    | 311235   | 51.870   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =     | 103.740% |
| Target Compounds            |        |       |          |          |       |          |
|                             |        |       |          |          |       | Qvalue   |
| 64) Tetrachloroethene       | 11.112 | 164   | 195748   | 40.351   | ug/l  | 98       |
| -----                       |        |       |          |          |       |          |

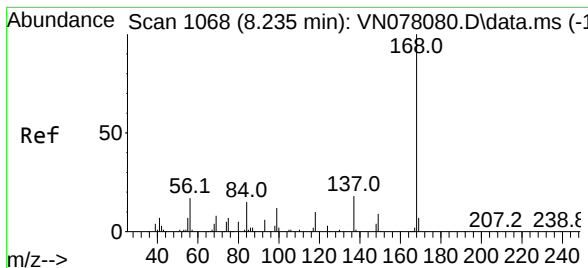
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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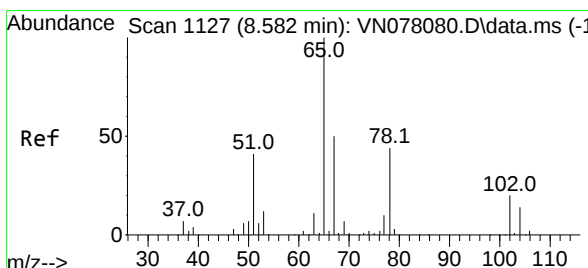
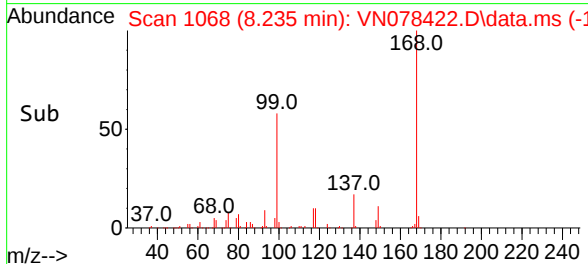
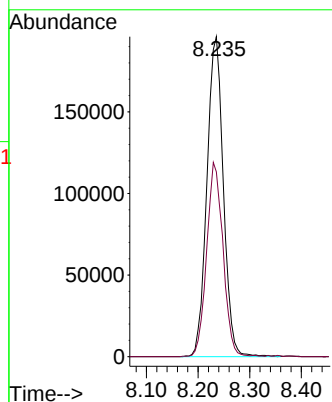
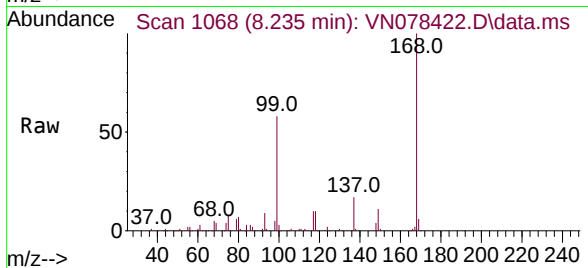




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.235 min Scan# 110  
Delta R.T. 0.000 min  
Lab File: VN078422.D  
Acq: 27 Jun 2023 17:29

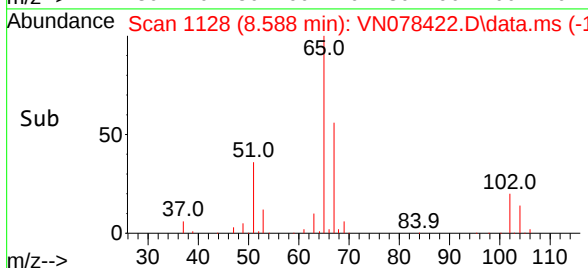
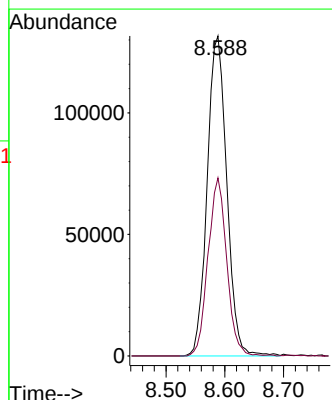
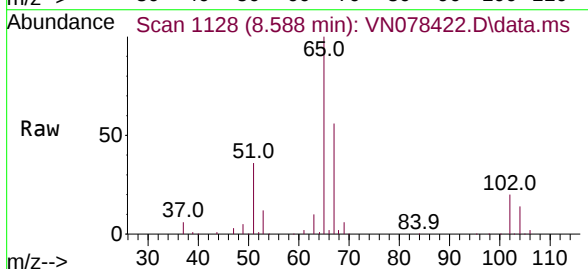
Instrument :  
MSVOA\_N  
ClientSampleId :  
TW-3DL

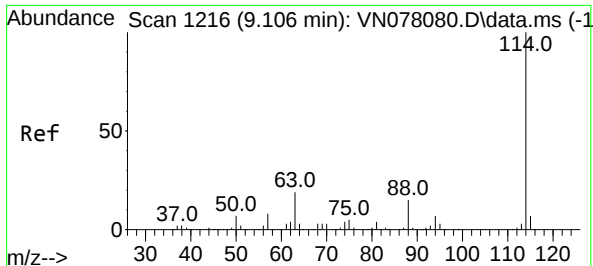
Tgt Ion:168 Resp: 433224  
Ion Ratio Lower Upper  
168 100  
99 57.8 53.0 79.6



#33  
1,2-Dichloroethane-d4  
Concen: 52.749 ug/l  
RT: 8.588 min Scan# 1128  
Delta R.T. 0.006 min  
Lab File: VN078422.D  
Acq: 27 Jun 2023 17:29

Tgt Ion: 65 Resp: 304691  
Ion Ratio Lower Upper  
65 100  
67 53.1 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN078422.D

Acq: 27 Jun 2023 17:29

Instrument :

MSVOA\_N

ClientSampleId :

TW-3DL

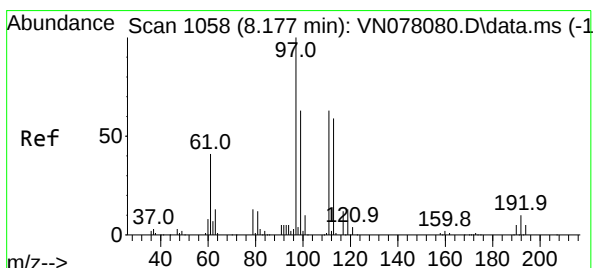
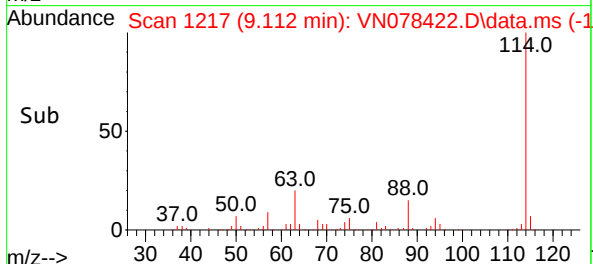
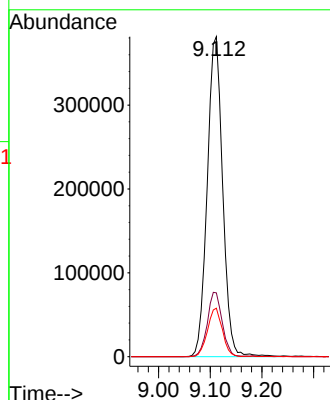
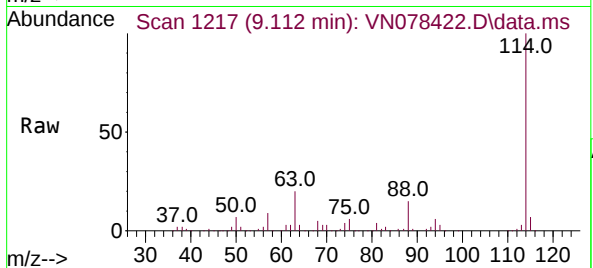
Tgt Ion:114 Resp: 791844

Ion Ratio Lower Upper

114 100

63 20.0 0.0 36.4

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 57.067 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN078422.D

Acq: 27 Jun 2023 17:29

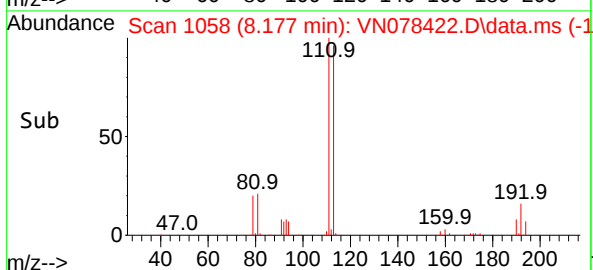
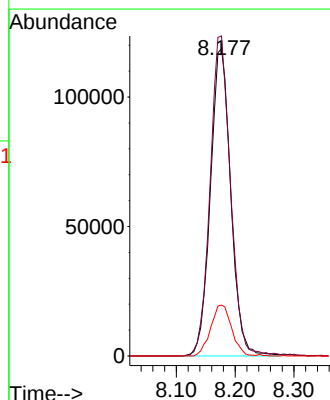
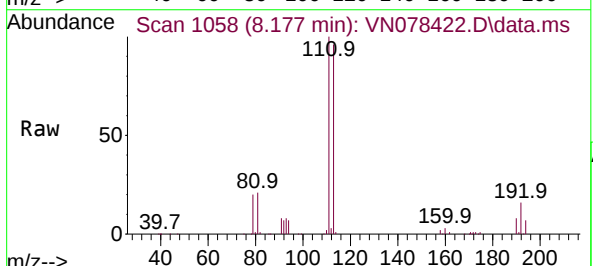
Tgt Ion:113 Resp: 285719

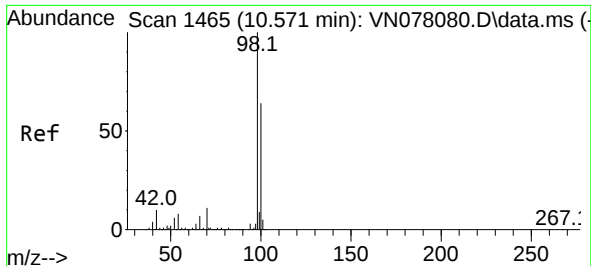
Ion Ratio Lower Upper

113 100

111 104.4 82.6 123.8

192 17.0 12.7 19.1

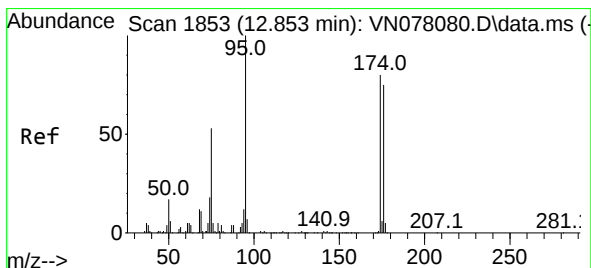
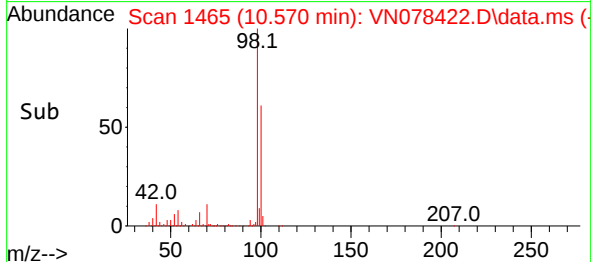
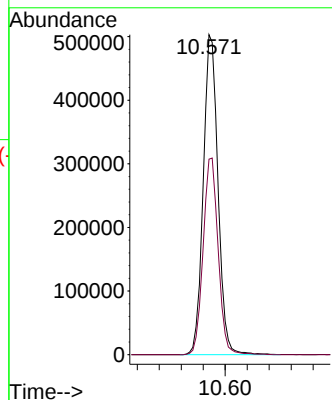
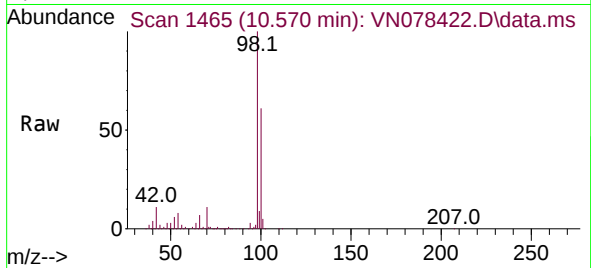




#50  
Toluene-d8  
Concen: 48.452 ug/l  
RT: 10.570 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN078422.D  
Acq: 27 Jun 2023 17:29

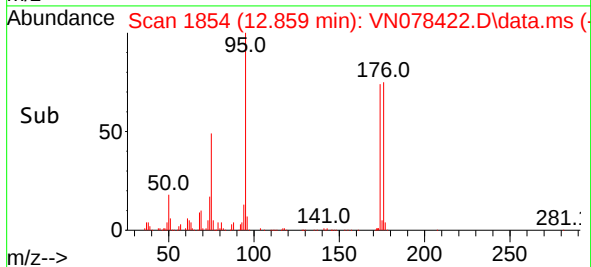
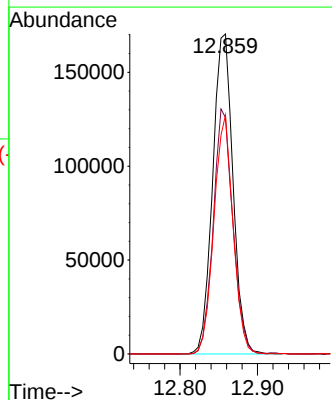
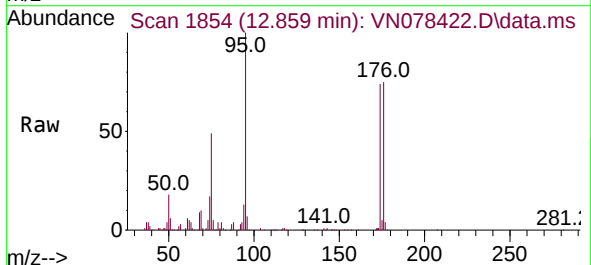
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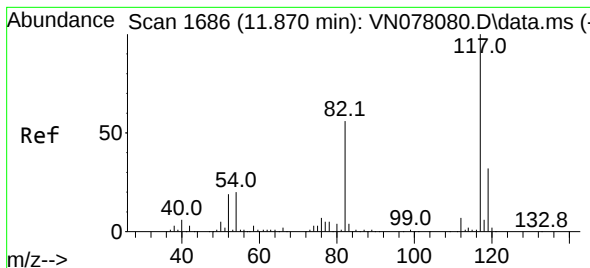
Tgt Ion: 98 Resp: 935188  
Ion Ratio Lower Upper  
98 100  
100 62.7 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 51.870 ug/l  
RT: 12.859 min Scan# 1854  
Delta R.T. 0.006 min  
Lab File: VN078422.D  
Acq: 27 Jun 2023 17:29

Tgt Ion: 95 Resp: 311235  
Ion Ratio Lower Upper  
95 100  
174 73.7 0.0 143.8  
176 70.3 0.0 135.8

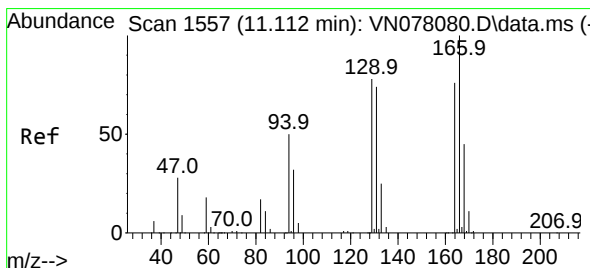
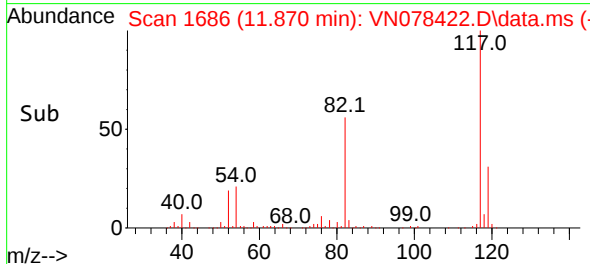
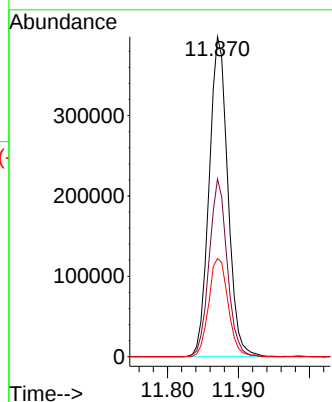
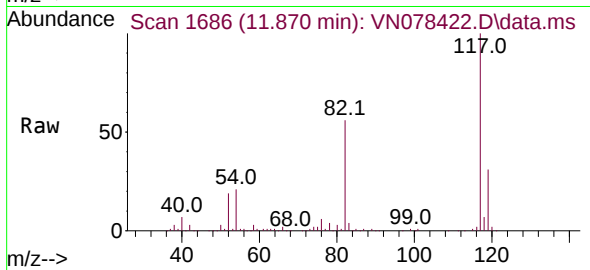




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.870 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN078422.D  
Acq: 27 Jun 2023 17:29

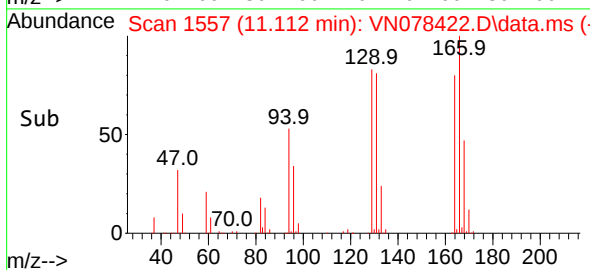
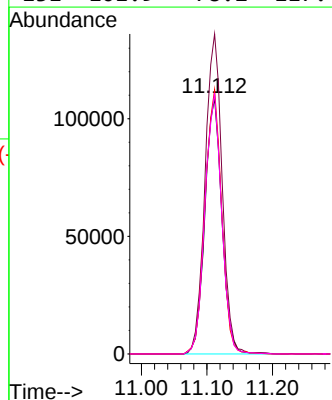
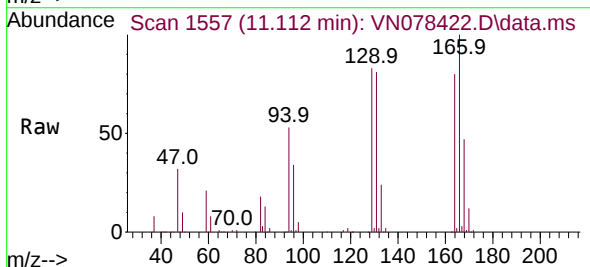
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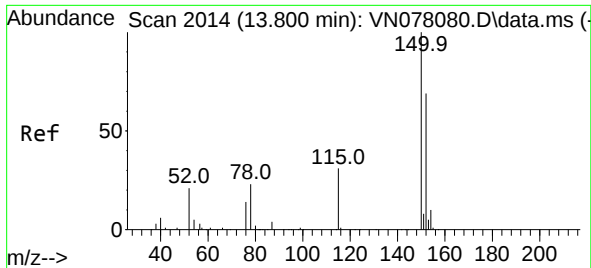
Tgt Ion:117 Resp: 727166  
Ion Ratio Lower Upper  
117 100  
82 55.6 44.0 66.0  
119 30.7 25.6 38.4



#64  
Tetrachloroethene  
Concen: 40.351 ug/l  
RT: 11.112 min Scan# 1557  
Delta R.T. -0.000 min  
Lab File: VN078422.D  
Acq: 27 Jun 2023 17:29

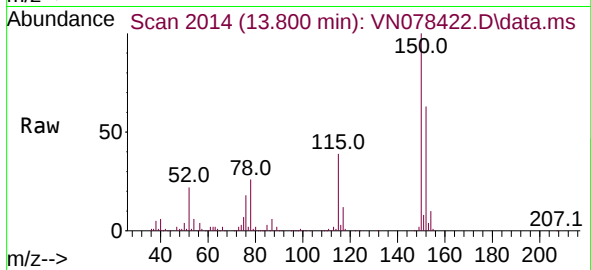
Tgt Ion:164 Resp: 195748  
Ion Ratio Lower Upper  
164 100  
166 125.2 101.4 152.0  
129 103.4 82.4 123.6  
131 101.9 78.2 117.4





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.800 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VN078422.D  
 Acq: 27 Jun 2023 17:29

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TW-3DL



Tgt Ion:152 Resp: 217653  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 63.1  | 32.3  | 96.8  |
| 150 | 161.6 | 0.0   | 355.8 |

