

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN100923\  
 Data File : VN079471.D  
 Acq On : 09 Oct 2023 14:47  
 Operator : JC\MD  
 Sample : 04739-01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW12

Quant Time: Oct 09 23:15:28 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N100523W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 06 03:34:49 2023  
 Response via : Initial Calibration

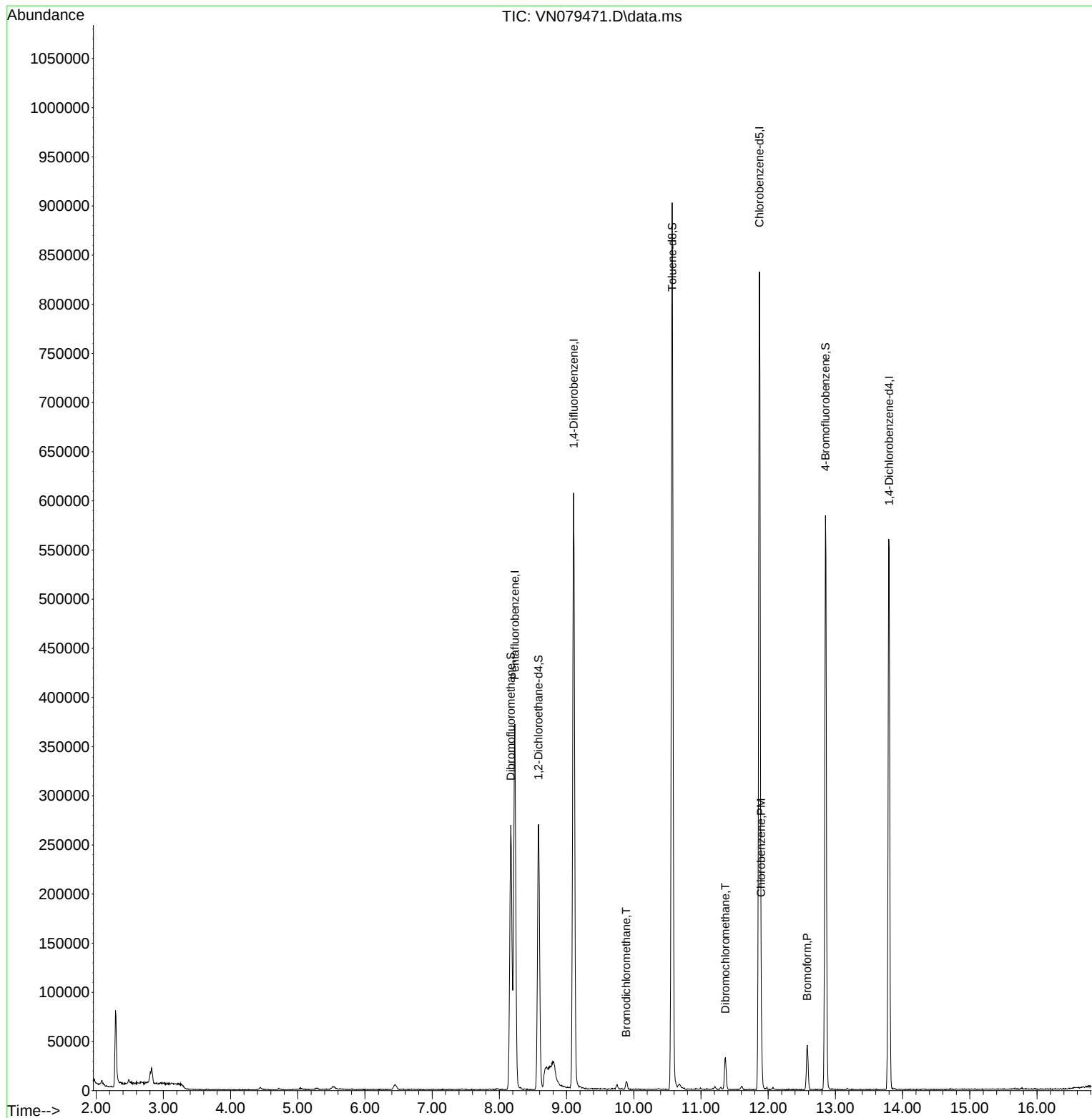
| Compound                    | R.T. QIon |       | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|--------|----------|
| -----                       |           |       |          |          |        |          |
| Internal Standards          |           |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.230     | 168   | 252758   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106     | 114   | 505037   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.871    | 117   | 469091   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.800    | 152   | 146282   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |           |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.583     | 65    | 215370   | 52.551   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 74 - 125 | Recovery | =      | 105.100% |
| 35) Dibromofluoromethane    | 8.171     | 113   | 187815   | 51.749   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 75 - 124 | Recovery | =      | 103.500% |
| 50) Toluene-d8              | 10.571    | 98    | 595203   | 45.324   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 86 - 113 | Recovery | =      | 90.640%  |
| 62) 4-Bromofluorobenzene    | 12.853    | 95    | 195082   | 46.290   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 83 - 123 | Recovery | =      | 92.580%  |
| Target Compounds            |           |       |          |          |        |          |
| 47) Bromodichloromethane    | 9.888     | 83    | 5417     | 0.954    | ug/l # | 85       |
| 60) Dibromochloromethane    | 11.365    | 129   | 17256    | 4.491    | ug/l   | 100      |
| 65) Chlorobenzene           | 11.894    | 112   | 19749    | 1.890    | ug/l   | 93       |
| 71) Bromoform               | 12.582    | 173   | 20647    | 7.375    | ug/l # | 97       |
| -----                       |           |       |          |          |        |          |

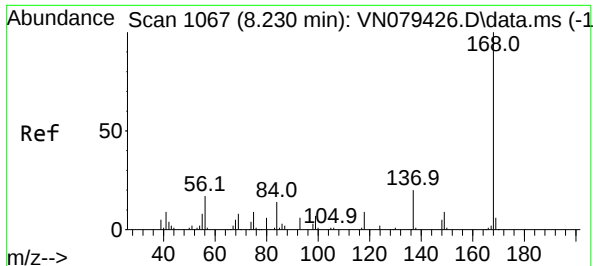
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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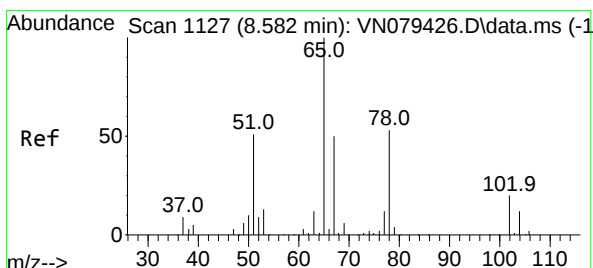
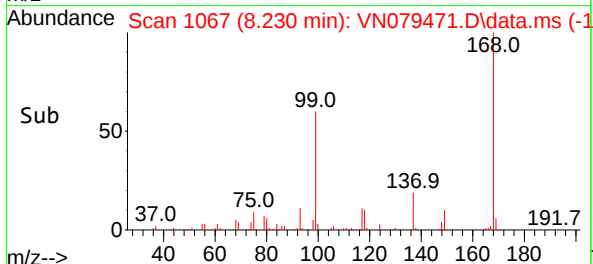
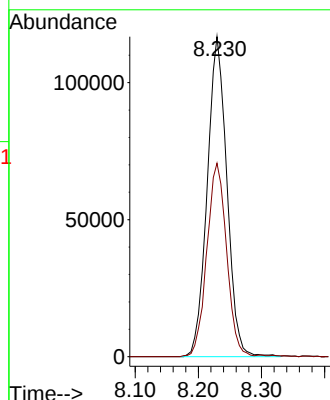
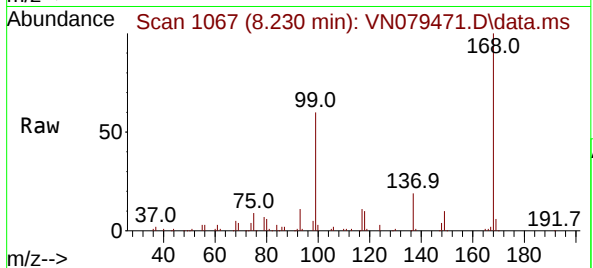




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.000 min  
Lab File: VN079471.D  
Acq: 09 Oct 2023 14:47

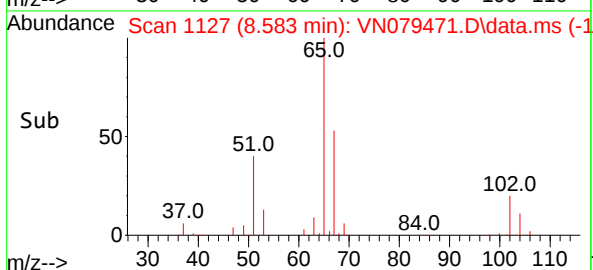
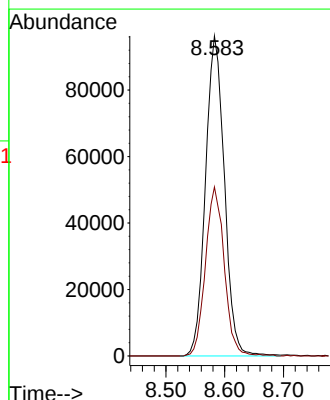
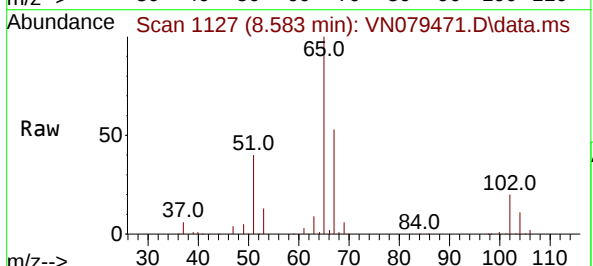
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW12

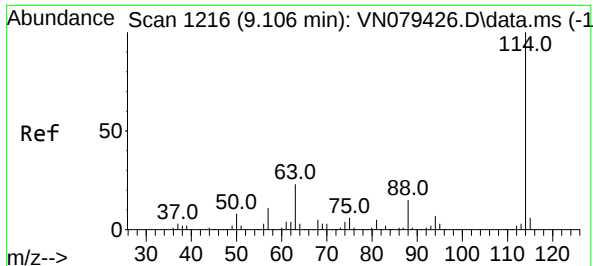
Tgt Ion:168 Resp: 252758  
Ion Ratio Lower Upper  
168 100  
99 60.5 53.0 79.6



#33  
1,2-Dichloroethane-d4  
Concen: 52.551 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VN079471.D  
Acq: 09 Oct 2023 14:47

Tgt Ion: 65 Resp: 215370  
Ion Ratio Lower Upper  
65 100  
67 52.5 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN079471.D

Acq: 09 Oct 2023 14:47

Instrument :

MSVOA\_N

ClientSampleId :

MW12

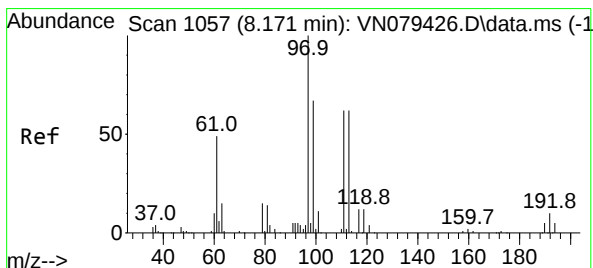
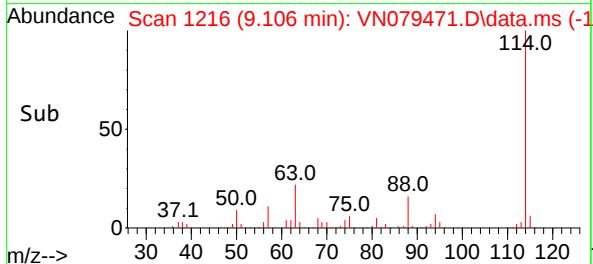
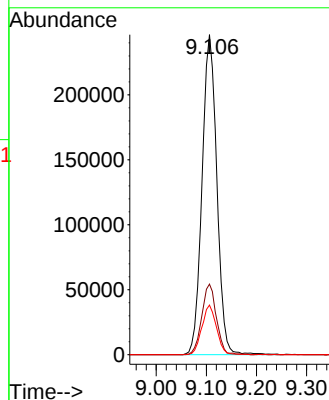
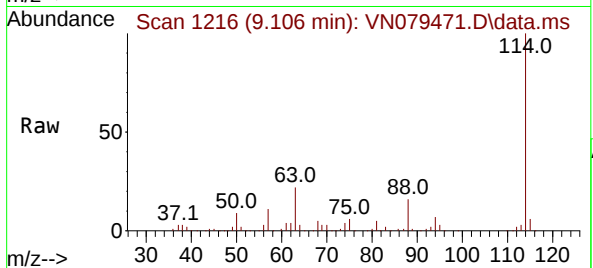
Tgt Ion:114 Resp: 505037

Ion Ratio Lower Upper

114 100

63 22.1 0.0 36.4

88 15.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.749 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN079471.D

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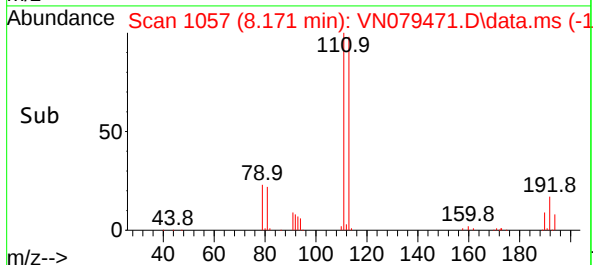
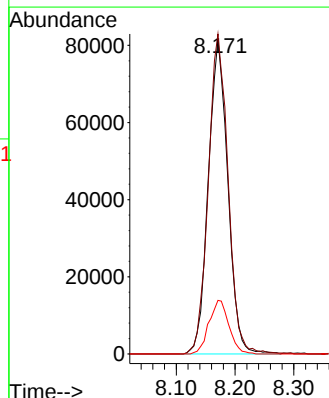
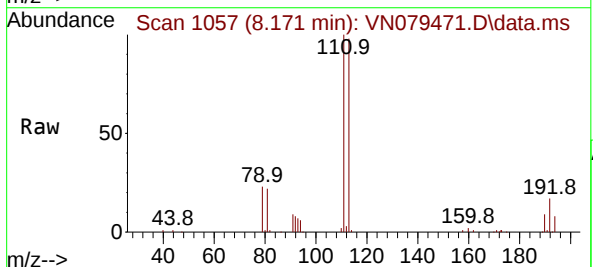
Tgt Ion:113 Resp: 187815

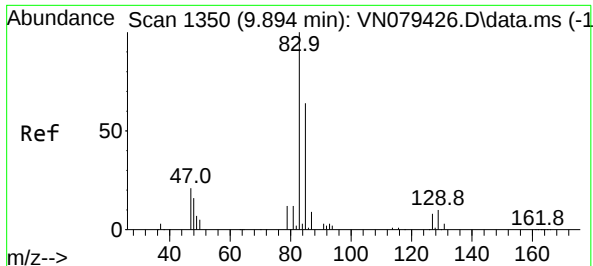
Ion Ratio Lower Upper

113 100

111 103.3 82.6 123.8

192 17.4 12.7 19.1

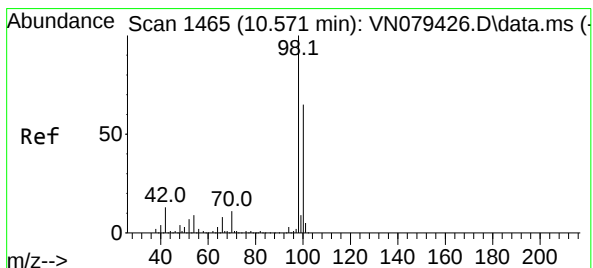
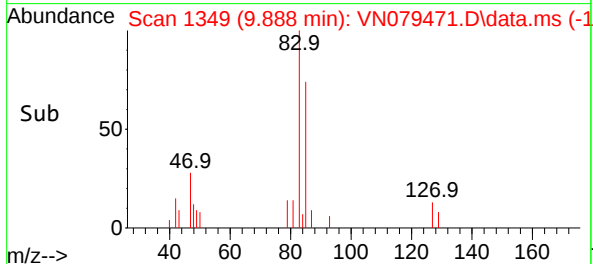
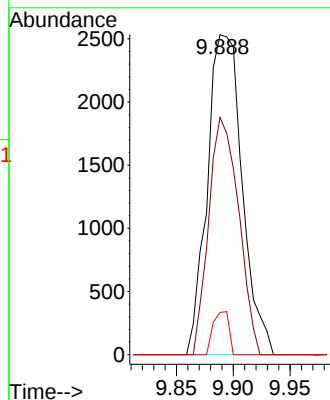
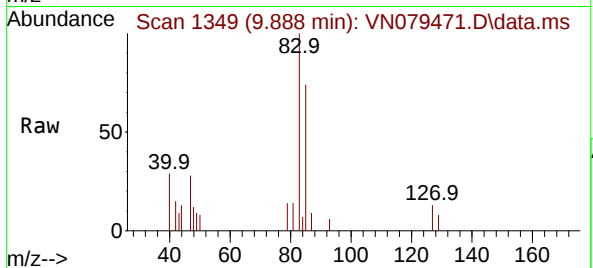




#47  
Bromodichloromethane  
Concen: 0.954 ug/l  
RT: 9.888 min Scan# 1349  
Delta R.T. -0.006 min  
Lab File: VN079471.D  
Acq: 09 Oct 2023 14:47

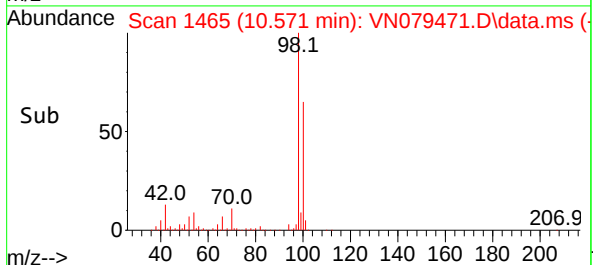
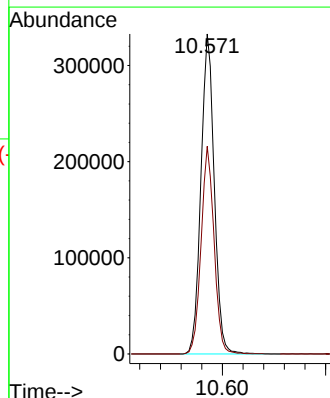
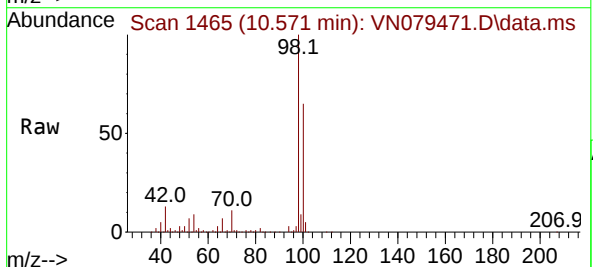
Instrument :  
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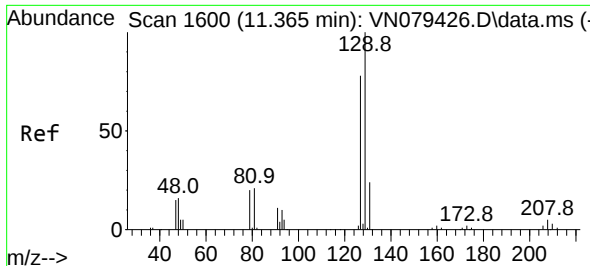
Tgt Ion: 83 Resp: 5417  
Ion Ratio Lower Upper  
83 100  
85 74.1 49.6 74.4  
127 13.2 7.0 10.6#



#50  
Toluene-d8  
Concen: 45.324 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: VN079471.D  
Acq: 09 Oct 2023 14:47

Tgt Ion: 98 Resp: 595203  
Ion Ratio Lower Upper  
98 100  
100 63.2 52.0 78.0

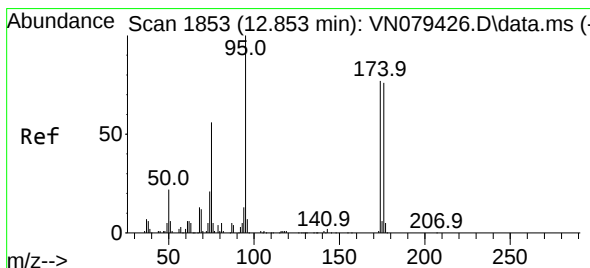
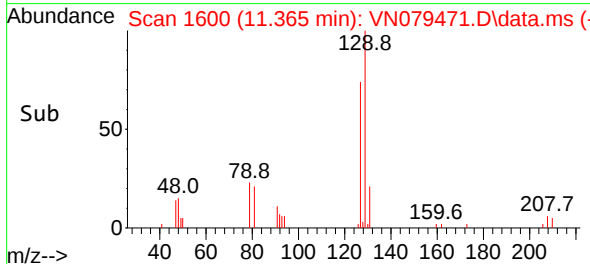
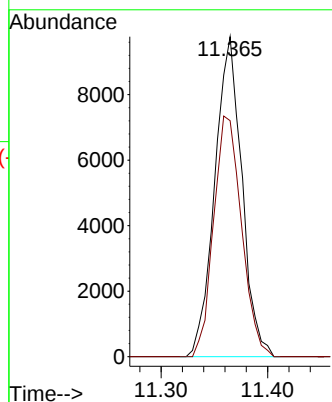
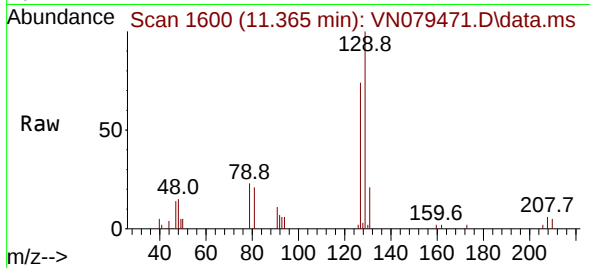




#60  
Dibromochloromethane  
Concen: 4.491 ug/l  
RT: 11.365 min Scan# 1600  
Delta R.T. 0.000 min  
Lab File: VN079471.D  
Acq: 09 Oct 2023 14:47

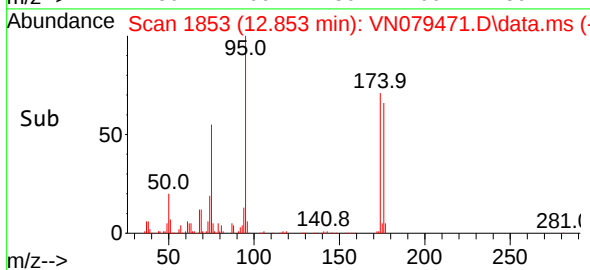
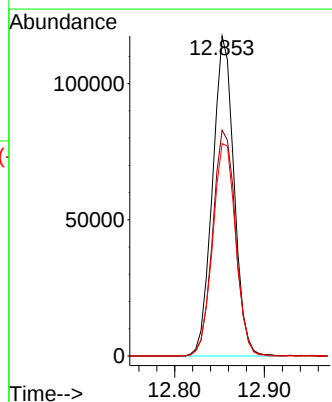
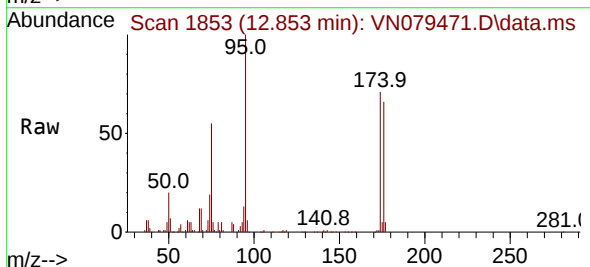
Instrument :  
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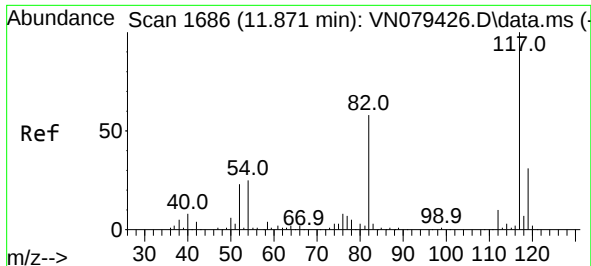
Tgt Ion:129 Resp: 17256  
Ion Ratio Lower Upper  
129 100  
127 77.4 38.6 116.0



#62  
4-Bromofluorobenzene  
Concen: 46.290 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VN079471.D  
Acq: 09 Oct 2023 14:47

Tgt Ion: 95 Resp: 195082  
Ion Ratio Lower Upper  
95 100  
174 75.1 0.0 143.8  
176 71.4 0.0 135.8

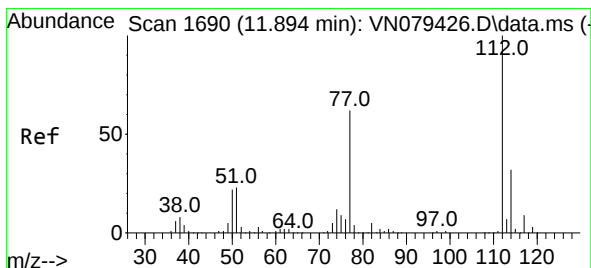
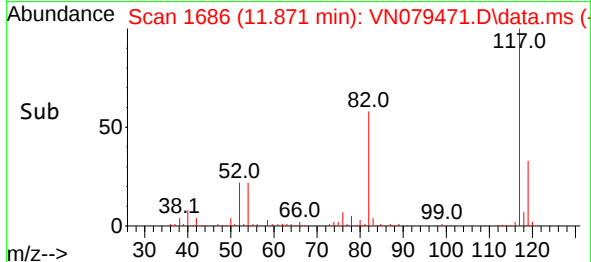
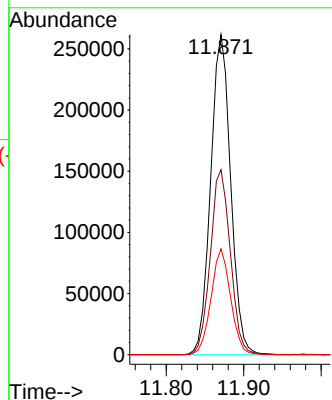
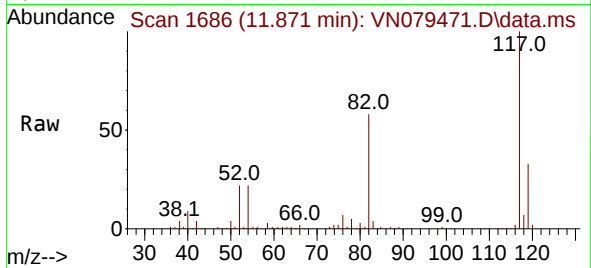




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VN079471.D  
Acq: 09 Oct 2023 14:47

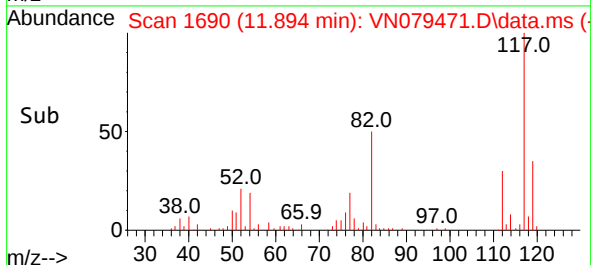
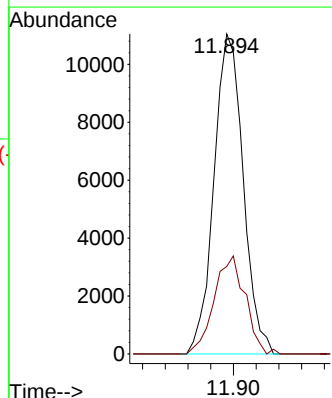
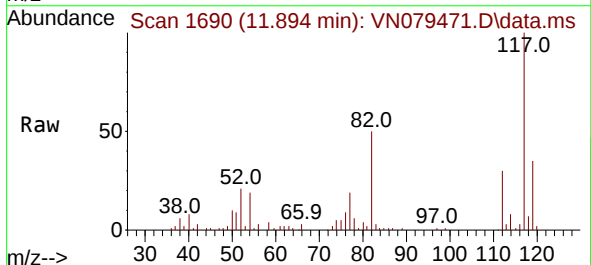
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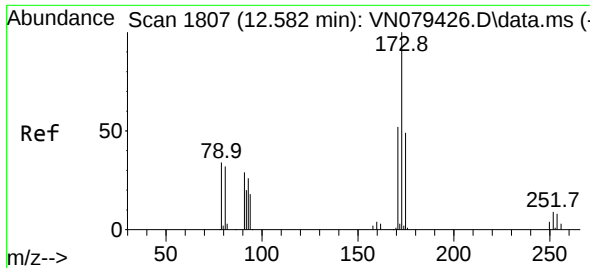
Tgt Ion:117 Resp: 469091  
Ion Ratio Lower Upper  
117 100  
82 57.8 44.0 66.0  
119 33.1 25.6 38.4



#65  
Chlorobenzene  
Concen: 1.890 ug/l  
RT: 11.894 min Scan# 1690  
Delta R.T. 0.000 min  
Lab File: VN079471.D  
Acq: 09 Oct 2023 14:47

Tgt Ion:112 Resp: 19749  
Ion Ratio Lower Upper  
112 100  
114 27.3 25.0 37.4

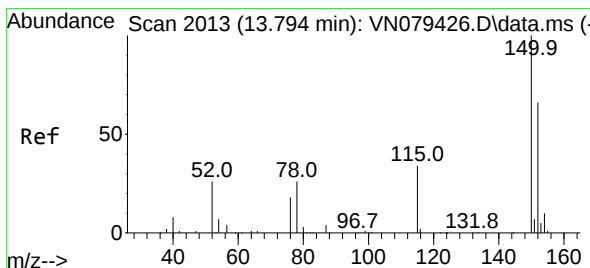
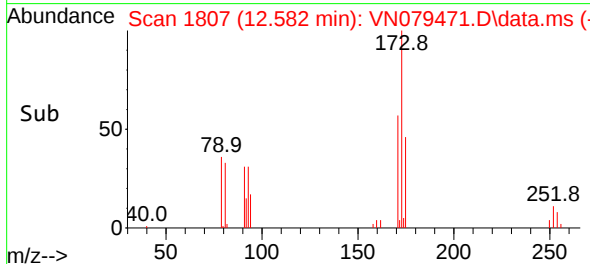
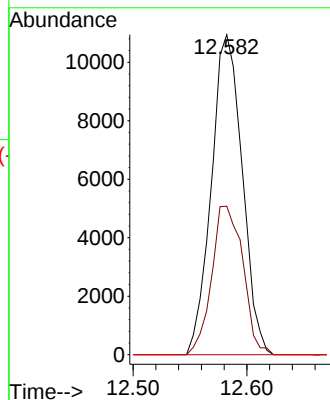
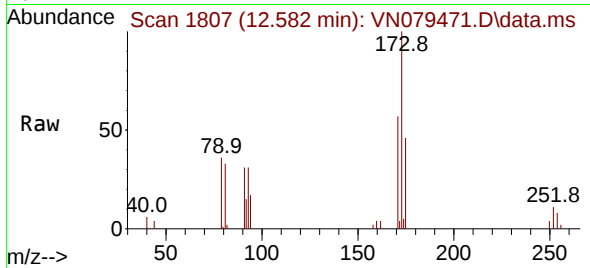




#71  
Bromoform  
Concen: 7.375 ug/l  
RT: 12.582 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN079471.D  
Acq: 09 Oct 2023 14:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW12

Tgt Ion:173 Resp: 20647  
Ion Ratio Lower Upper  
173 100  
175 46.9 24.3 73.0  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.800 min Scan# 2014  
Delta R.T. 0.006 min  
Lab File: VN079471.D  
Acq: 09 Oct 2023 14:47

Tgt Ion:152 Resp: 146282  
Ion Ratio Lower Upper  
152 100  
115 60.9 32.3 96.8  
150 154.6 0.0 355.8

