

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102122\  
 Data File : VN074967.D  
 Acq On : 21 Oct 2022 17:24  
 Operator : JC\MD  
 Sample : N5222-13  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-10D

Quant Time: Oct 22 02:55:02 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N102022W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 21 09:37:47 2022  
 Response via : Initial Calibration

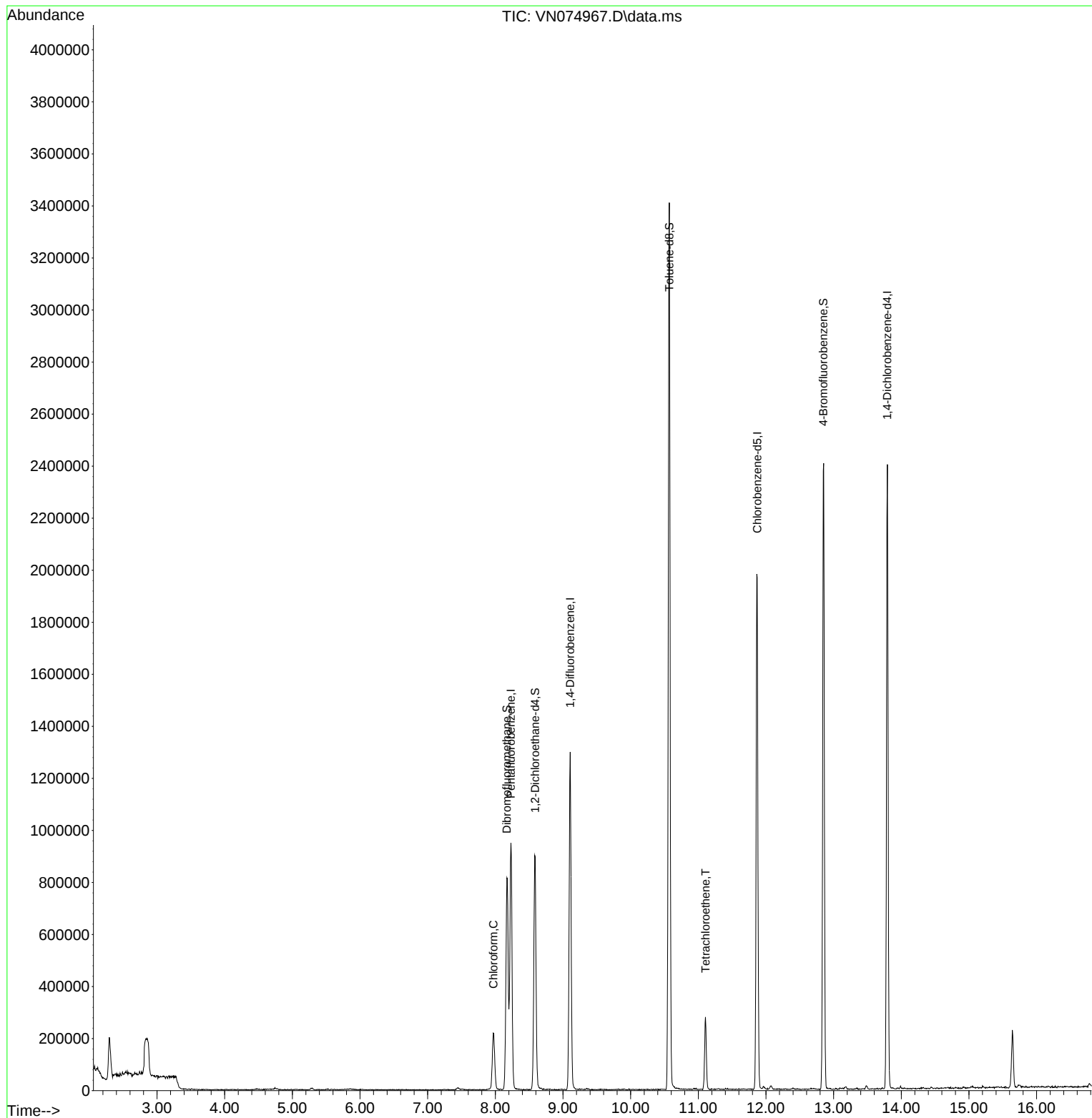
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.230  | 168   | 665780   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 1117553  | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.871 | 117   | 1139536  | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 606021   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.588  | 65    | 733374   | 41.459   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 82.920%  |
| 35) Dibromofluoromethane    | 8.171  | 113   | 580726   | 43.658   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 87.320%  |
| 50) Toluene-d8              | 10.571 | 98    | 2356056  | 46.165   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 92.320%  |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 809047   | 44.941   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 89.880%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 30) Chloroform              | 7.971  | 83    | 207630   | 8.016    | ug/l   | 95       |
| 64) Tetrachloroethene       | 11.106 | 164   | 60527    | 6.495    | ug/l   | 87       |
| -----                       |        |       |          |          |        |          |

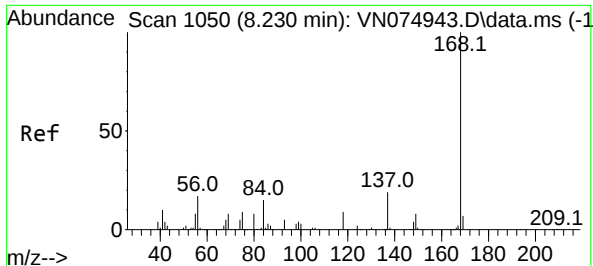
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N102022W.M  
Quant Title : SW846 8260  
QLast Update : Fri Oct 21 09:37:47 2022  
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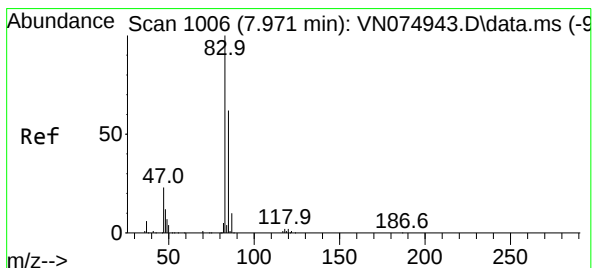
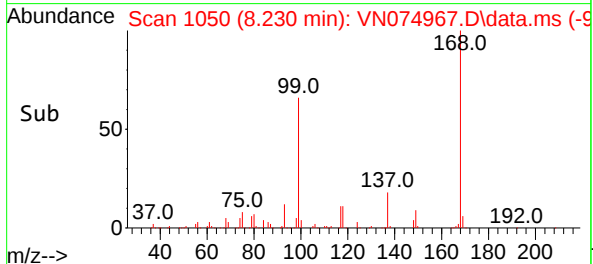
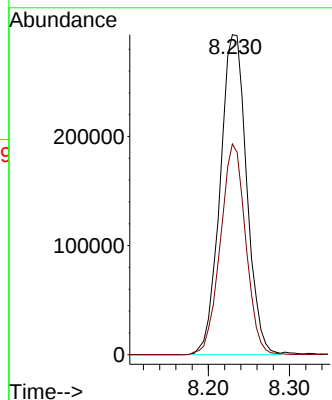
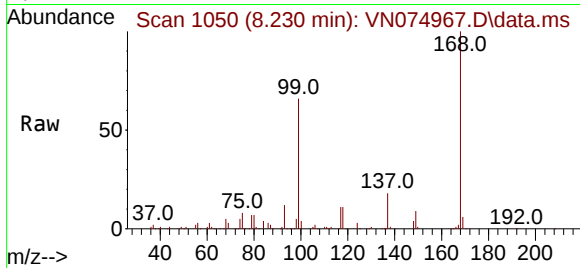




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1050  
Delta R.T. -0.000 min  
Lab File: VN074967.D  
Acq: 21 Oct 2022 17:24

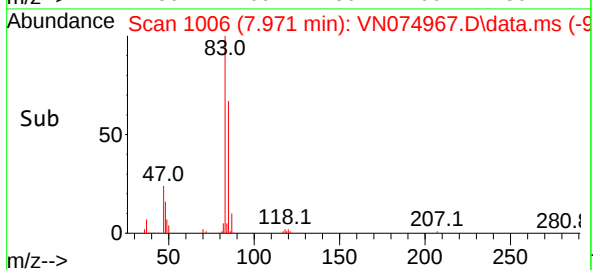
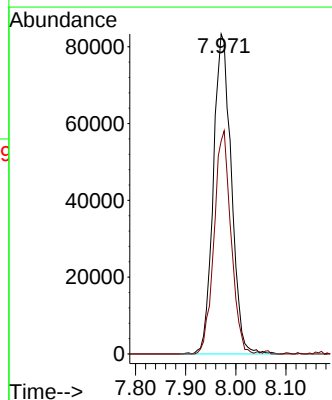
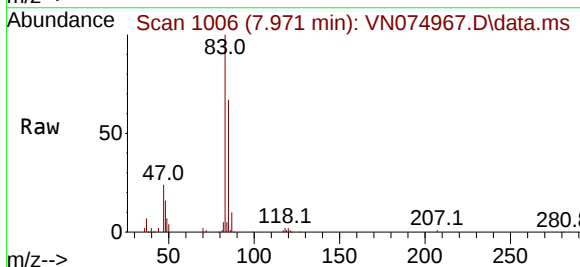
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-10D

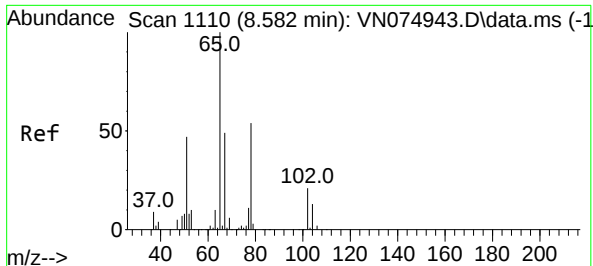
Tgt Ion:168 Resp: 665780  
Ion Ratio Lower Upper  
168 100  
99 65.9 52.2 78.4



#30  
Chloroform  
Concen: 8.016 ug/l  
RT: 7.971 min Scan# 1006  
Delta R.T. 0.000 min  
Lab File: VN074967.D  
Acq: 21 Oct 2022 17:24

Tgt Ion: 83 Resp: 207630  
Ion Ratio Lower Upper  
83 100  
85 66.6 49.9 74.9





#33

1,2-Dichloroethane-d4

Concen: 41.459 ug/l

RT: 8.588 min Scan# 1110

Delta R.T. 0.006 min

Lab File: VN074967.D

Acq: 21 Oct 2022 17:24

Instrument :

MSVOA\_N

ClientSampleId :

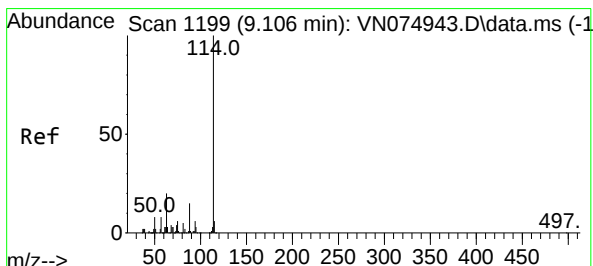
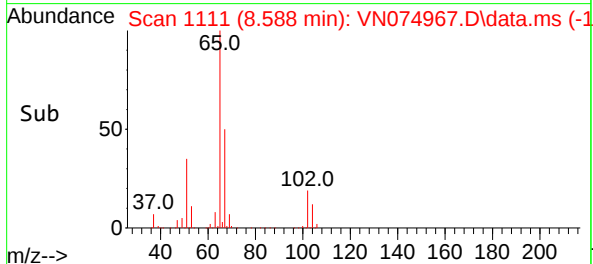
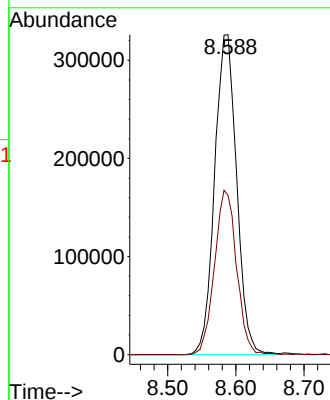
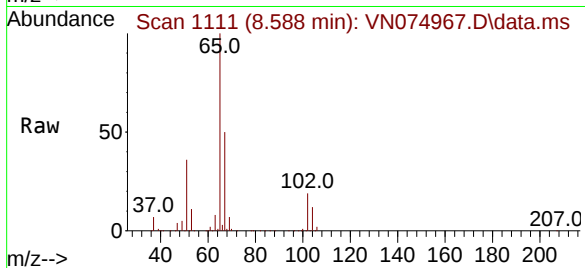
MW-10D

Tgt Ion: 65 Resp: 733374

Ion Ratio Lower Upper

65 100

67 51.6 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN074967.D

Acq: 21 Oct 2022 17:24

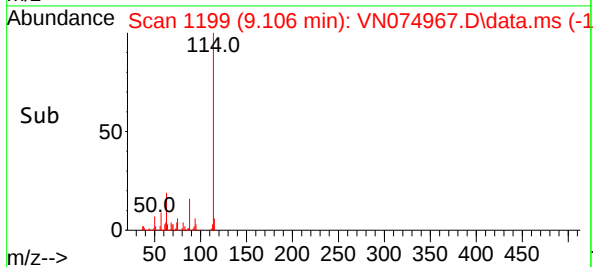
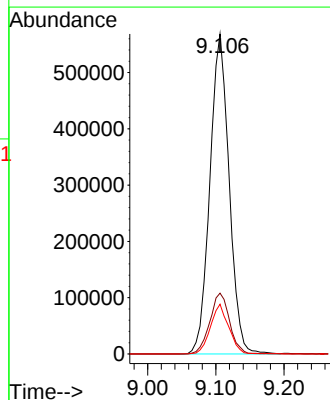
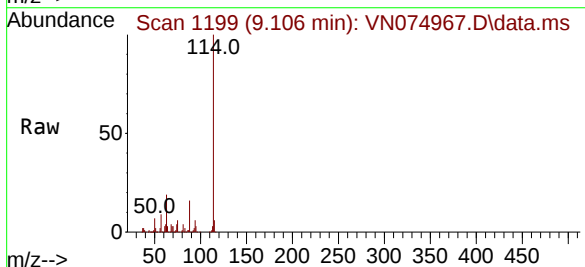
Tgt Ion: 114 Resp: 1117553

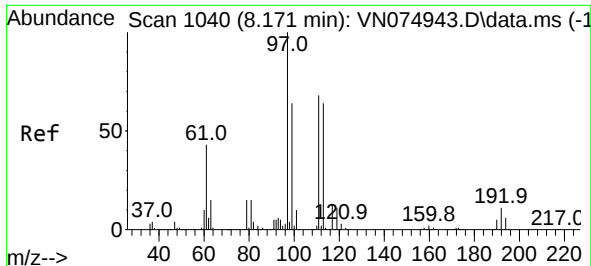
Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.8

88 15.5 0.0 30.4





#35

Dibromofluoromethane

Concen: 43.658 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VN074967.D

Acq: 21 Oct 2022 17:24

Instrument :

MSVOA\_N

ClientSampleId :

MW-10D

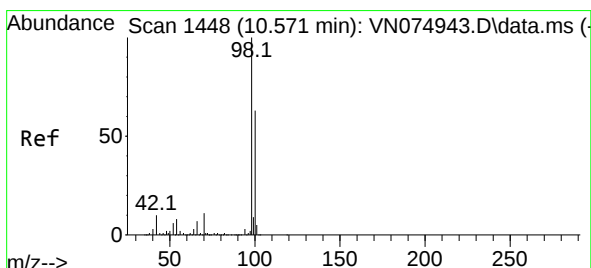
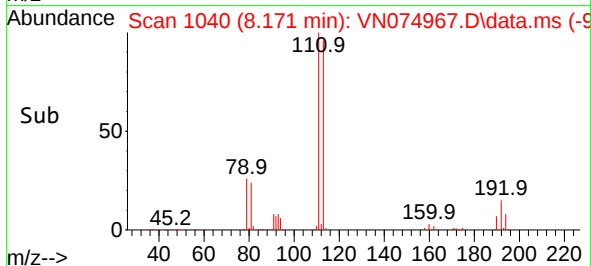
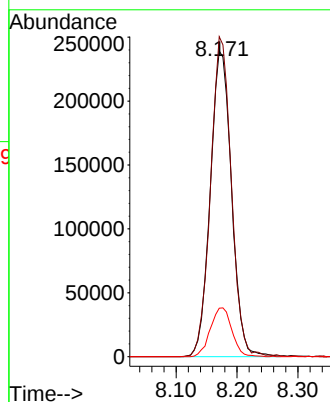
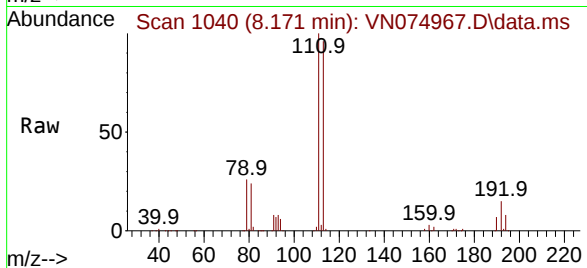
Tgt Ion:113 Resp: 580726

Ion Ratio Lower Upper

113 100

111 102.1 83.4 125.2

192 16.1 13.3 19.9



#50

Toluene-d8

Concen: 46.165 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.000 min

Lab File: VN074967.D

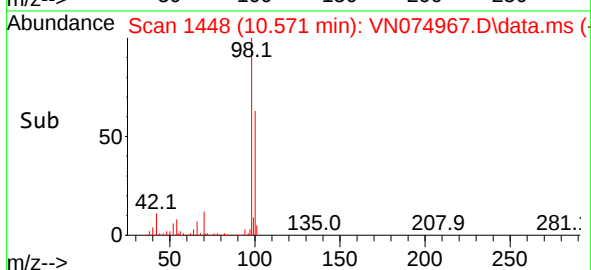
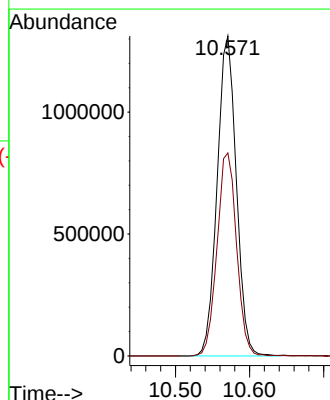
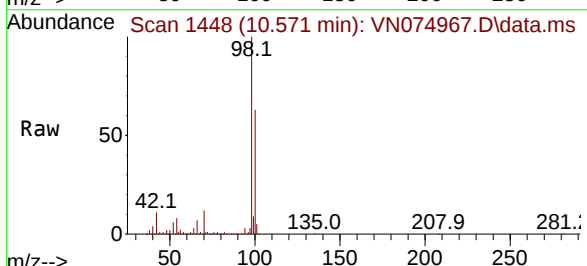
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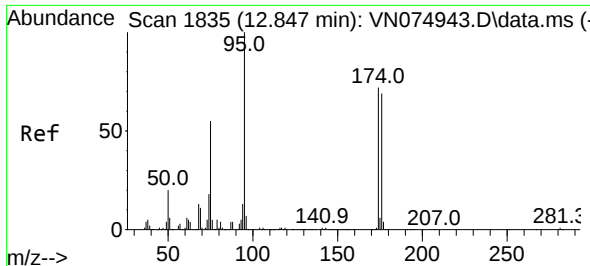
Tgt Ion: 98 Resp: 2356056

Ion Ratio Lower Upper

98 100

100 64.5 51.4 77.2

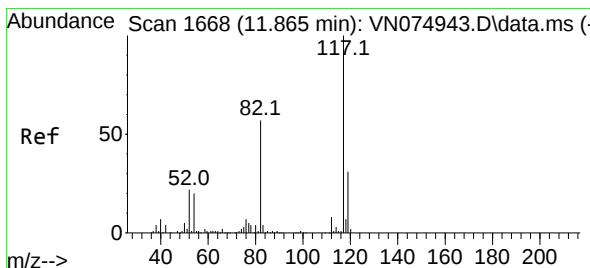
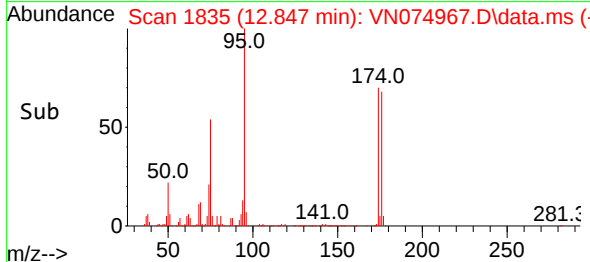
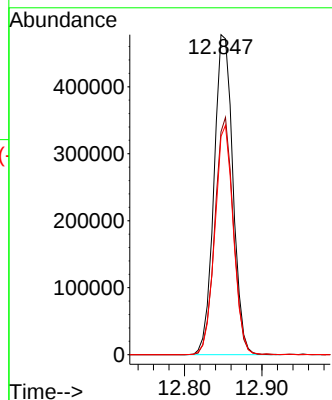
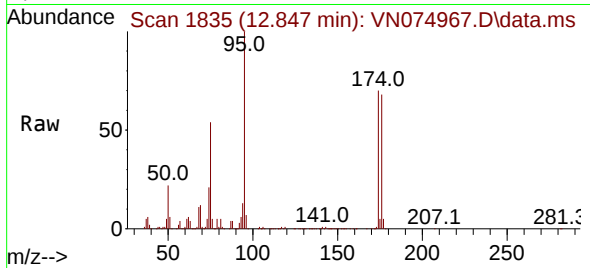




#62  
4-Bromofluorobenzene  
Concen: 44.941 ug/l  
RT: 12.847 min Scan# 1835  
Delta R.T. 0.000 min  
Lab File: VN074967.D  
Acq: 21 Oct 2022 17:24

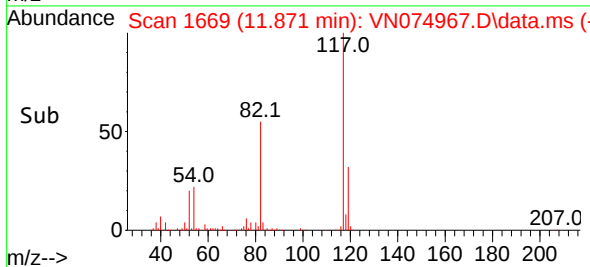
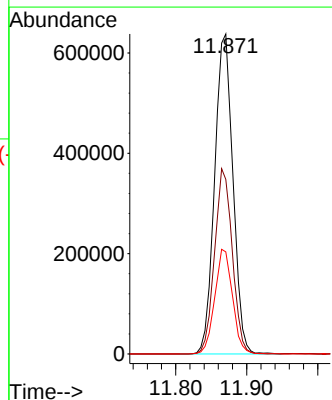
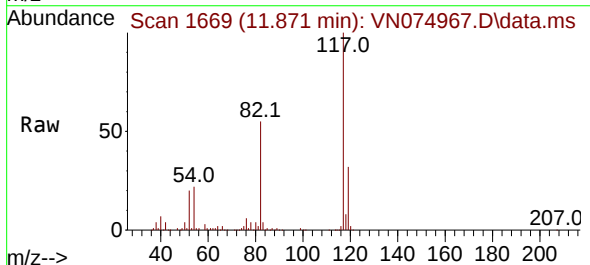
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-10D

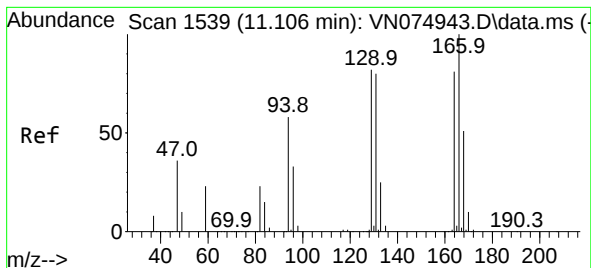
Tgt Ion: 95 Resp: 809047  
Ion Ratio Lower Upper  
95 100  
174 72.4 0.0 143.0  
176 70.2 0.0 138.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1669  
Delta R.T. 0.006 min  
Lab File: VN074967.D  
Acq: 21 Oct 2022 17:24

Tgt Ion: 117 Resp: 1139536  
Ion Ratio Lower Upper  
117 100  
82 54.6 45.6 68.4  
119 31.9 25.1 37.7





#64

Tetrachloroethene

Concen: 6.495 ug/l

RT: 11.106 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN074967.D

Acq: 21 Oct 2022 17:24

Instrument :

MSVOA\_N

ClientSampleId :

MW-10D

Tgt Ion:164 Resp: 60527

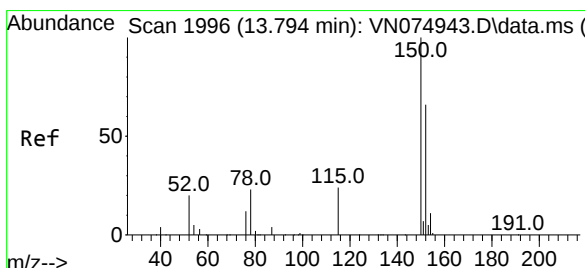
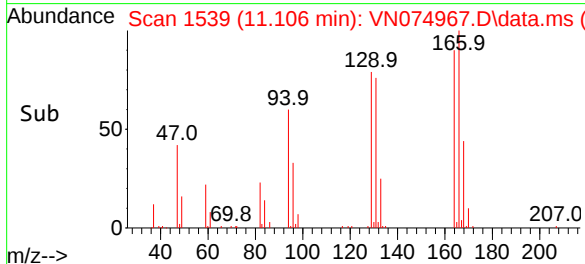
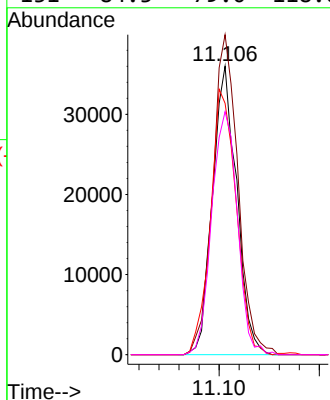
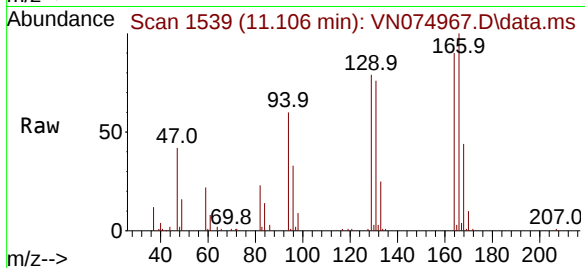
Ion Ratio Lower Upper

164 100

166 110.9 98.6 148.0

129 87.1 81.2 121.8

131 84.3 79.0 118.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. 0.000 min

Lab File: VN074967.D

Acq: 21 Oct 2022 17:24

Tgt Ion:152 Resp: 606021

Ion Ratio Lower Upper

152 100

115 64.0 31.3 93.8

150 159.0 0.0 349.6

