

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061423\  
 Data File : VN078215.D  
 Acq On : 14 Jun 2023 18:57  
 Operator : JC\MD  
 Sample : 03231-08  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 FSND-MW-18-06132023

Quant Time: Jun 15 02:48:12 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

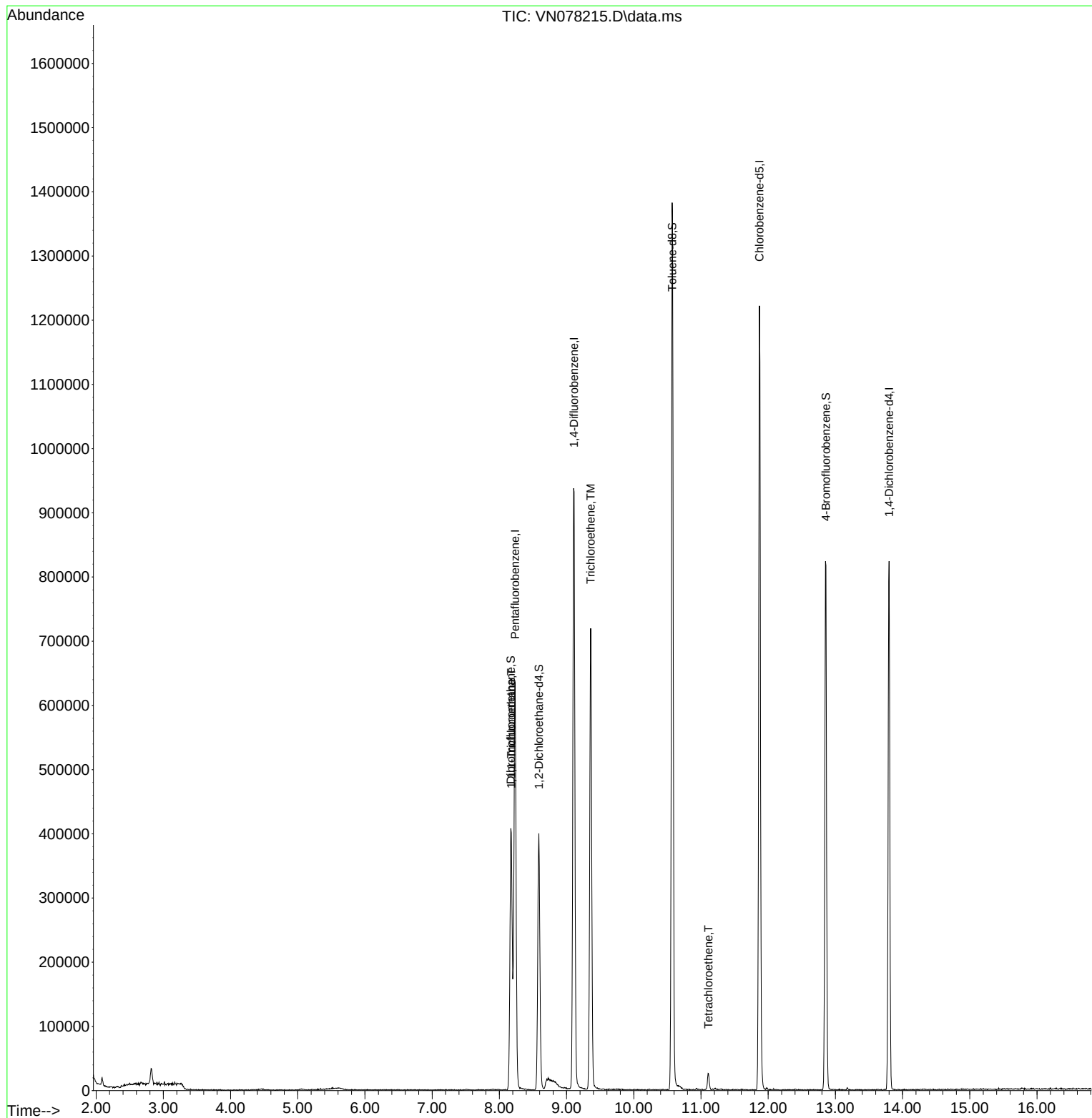
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Pentafluorobenzene       | 8.236     | 168   | 451576   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.112     | 114   | 845274   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.871    | 117   | 733486   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.800    | 152   | 227811   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.588     | 65    | 325681   | 54.092   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 74 - 125 | Recovery | = 108.180% |          |
| 35) Dibromofluoromethane    | 8.171     | 113   | 289217   | 54.114   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 75 - 124 | Recovery | = 108.220% |          |
| 50) Toluene-d8              | 10.571    | 98    | 994198   | 48.253   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 86 - 113 | Recovery | = 96.500%  |          |
| 62) 4-Bromofluorobenzene    | 12.859    | 95    | 301798   | 47.118   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 83 - 123 | Recovery | = 94.240%  |          |
| Target Compounds            |           |       |          |          |            |          |
|                             |           |       |          |          |            | Qvalue   |
| 32) 1,1,1-Trichloroethane   | 8.177     | 97    | 10037    | 1.137    | ug/l       | # 50     |
| 44) Trichloroethene         | 9.359     | 130   | 258578   | 42.782   | ug/l       | 99       |
| 64) Tetrachloroethene       | 11.112    | 164   | 5009     | 1.024    | ug/l       | 95       |
| -----                       |           |       |          |          |            |          |

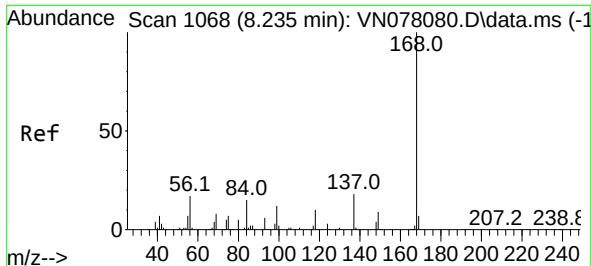
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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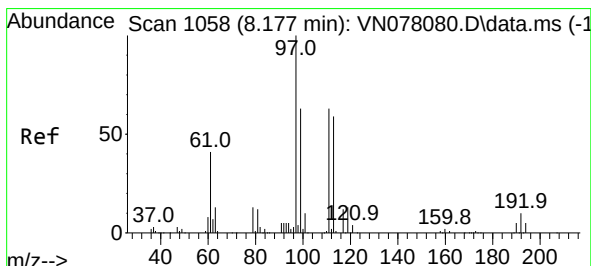
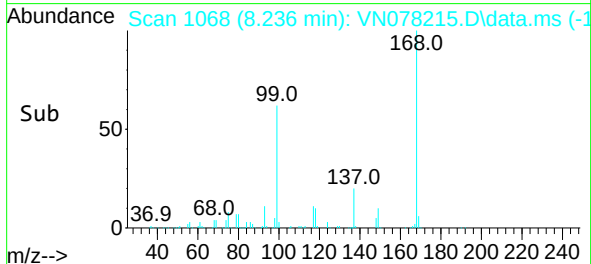
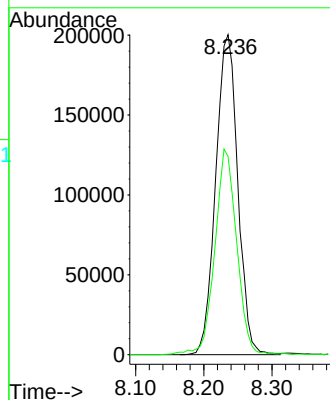
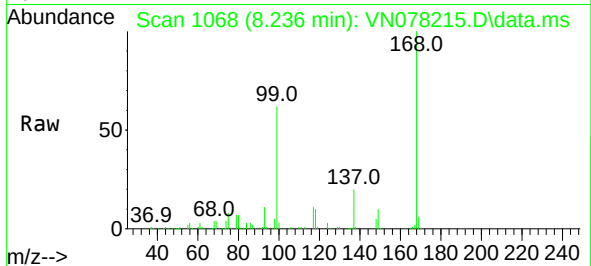




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.236 min Scan# 1068  
Delta R.T. 0.001 min  
Lab File: VN078215.D  
Acq: 14 Jun 2023 18:57

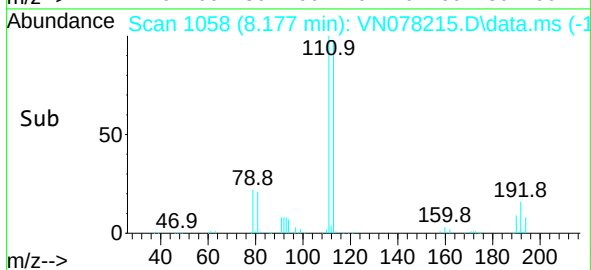
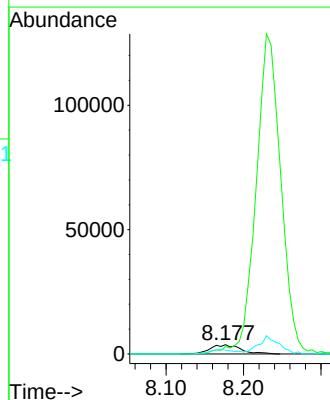
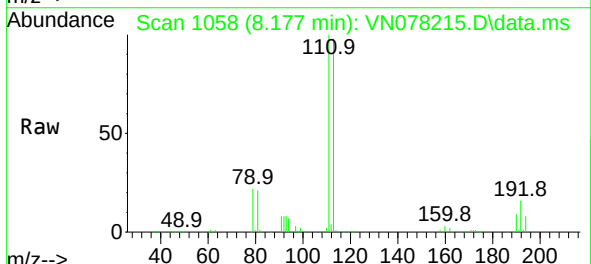
Instrument :  
MSVOA\_N  
ClientSampleId :  
FSND-MW-18-06132023

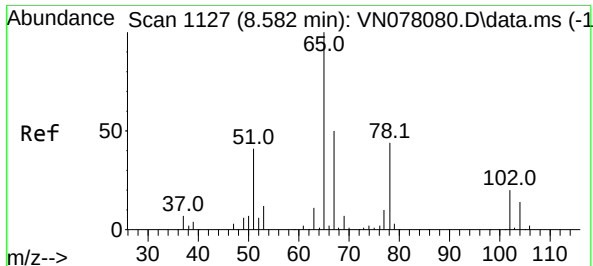
Tgt Ion:168 Resp: 451576  
Ion Ratio Lower Upper  
168 100  
99 61.7 53.0 79.6



#32  
1,1,1-Trichloroethane  
Concen: 1.137 ug/l  
RT: 8.177 min Scan# 1058  
Delta R.T. -0.000 min  
Lab File: VN078215.D  
Acq: 14 Jun 2023 18:57

Tgt Ion: 97 Resp: 10037  
Ion Ratio Lower Upper  
97 100  
99 0.0 50.3 75.5#  
61 40.6 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 54.092 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN078215.D

Acq: 14 Jun 2023 18:57

Instrument :

MSVOA\_N

ClientSampleId :

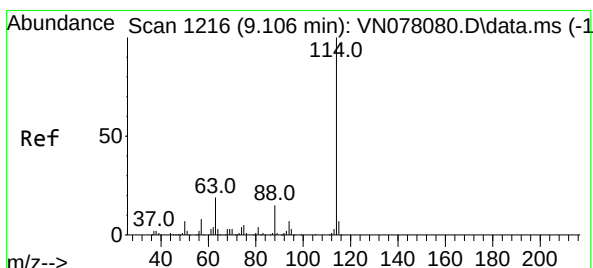
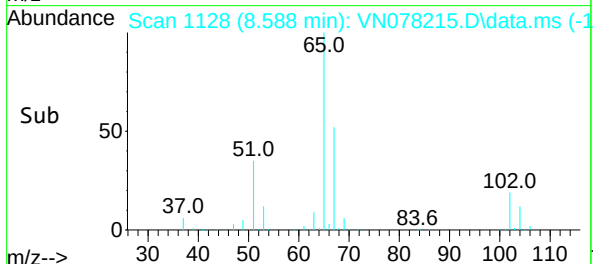
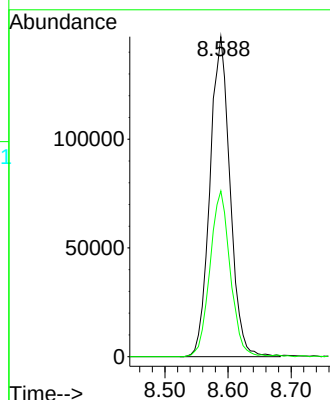
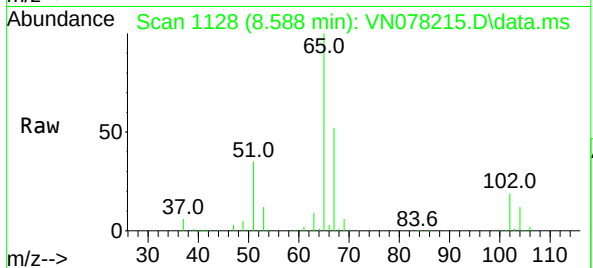
FSND-MW-18-06132023

Tgt Ion: 65 Resp: 325681

Ion Ratio Lower Upper

65 100

67 52.2 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VN078215.D

Acq: 14 Jun 2023 18:57

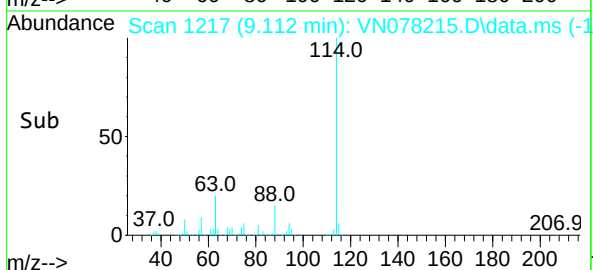
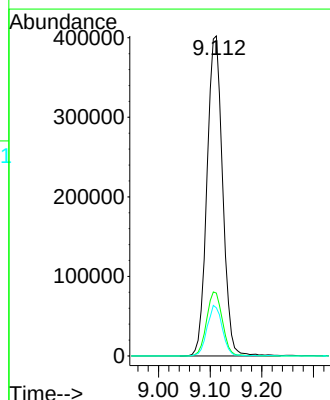
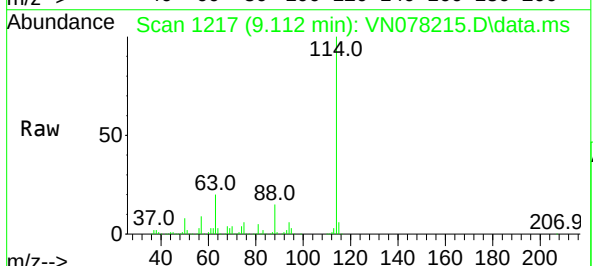
Tgt Ion: 114 Resp: 845274

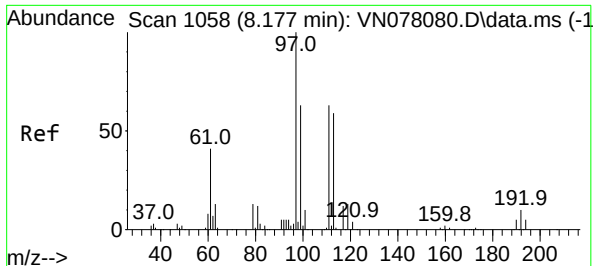
Ion Ratio Lower Upper

114 100

63 19.6 0.0 36.4

88 15.1 0.0 30.6

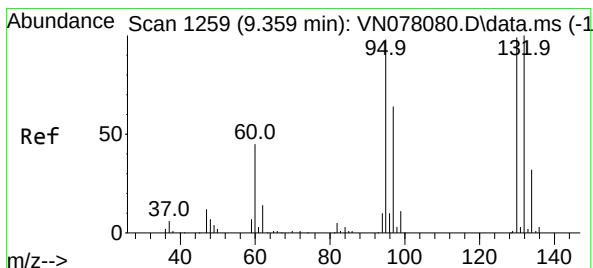
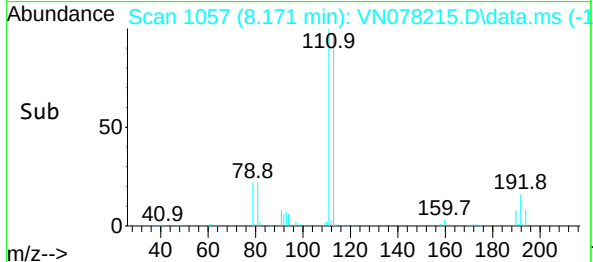
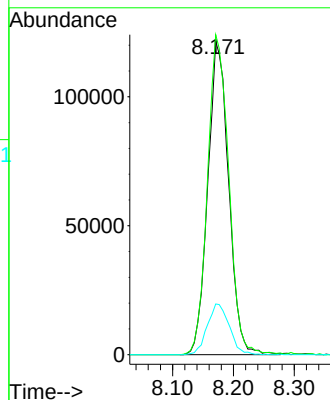
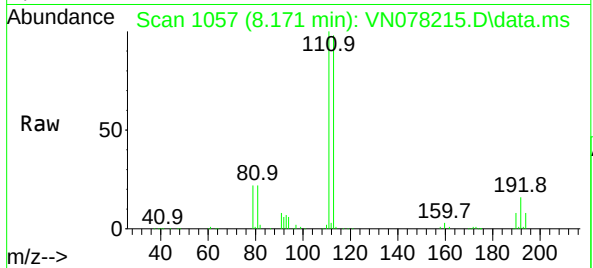




#35  
Dibromofluoromethane  
Concen: 54.114 ug/l  
RT: 8.171 min Scan# 1057  
Delta R.T. -0.006 min  
Lab File: VN078215.D  
Acq: 14 Jun 2023 18:57

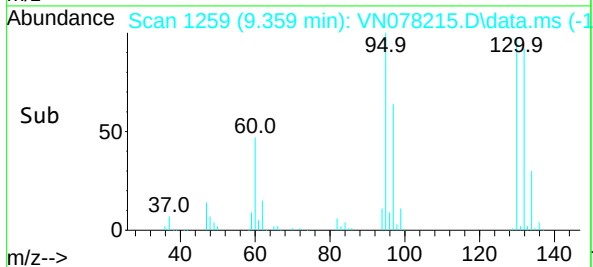
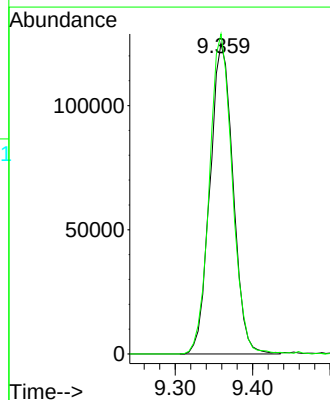
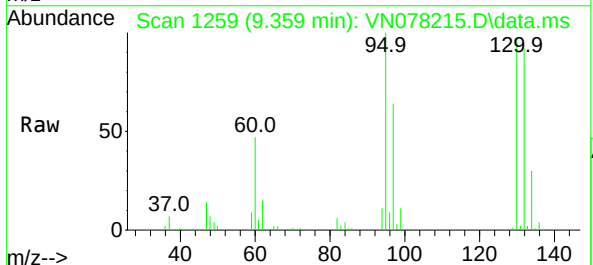
Instrument :  
MSVOA\_N  
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FSND-MW-18-06132023

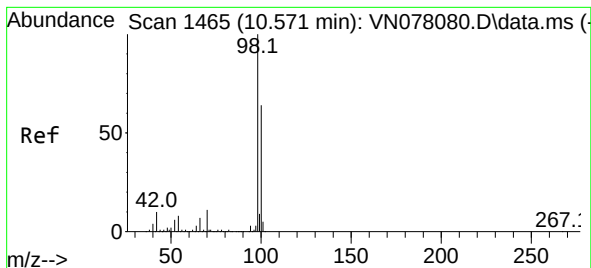
Tgt Ion:113 Resp: 289217  
Ion Ratio Lower Upper  
113 100  
111 104.1 82.6 123.8  
192 17.1 12.7 19.1



#44  
Trichloroethene  
Concen: 42.782 ug/l  
RT: 9.359 min Scan# 1259  
Delta R.T. 0.000 min  
Lab File: VN078215.D  
Acq: 14 Jun 2023 18:57

Tgt Ion:130 Resp: 258578  
Ion Ratio Lower Upper  
130 100  
95 103.1 0.0 204.6





#50

Toluene-d8

Concen: 48.253 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN078215.D

Acq: 14 Jun 2023 18:57

Instrument :

MSVOA\_N

ClientSampleId :

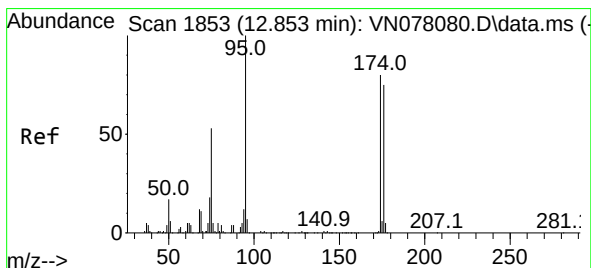
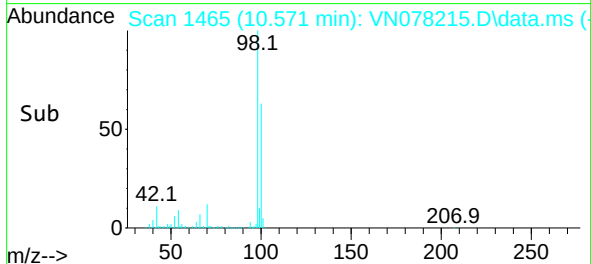
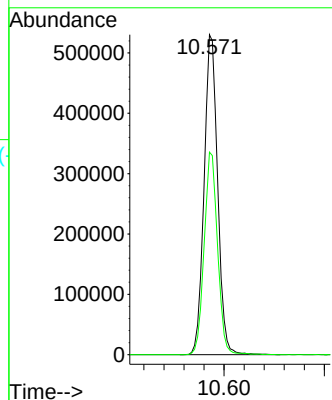
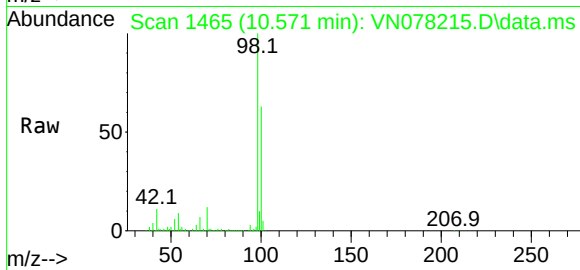
FSND-MW-18-06132023

Tgt Ion: 98 Resp: 994198

Ion Ratio Lower Upper

98 100

100 62.8 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 47.118 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VN078215.D

Acq: 14 Jun 2023 18:57

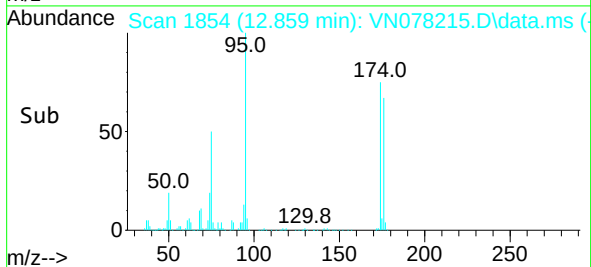
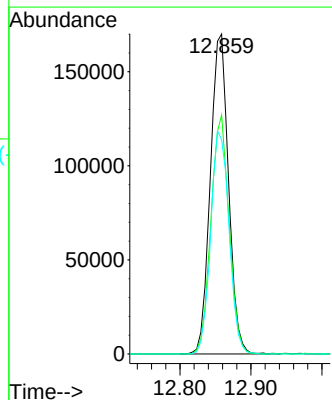
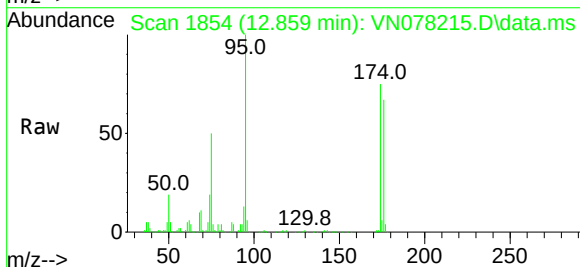
Tgt Ion: 95 Resp: 301798

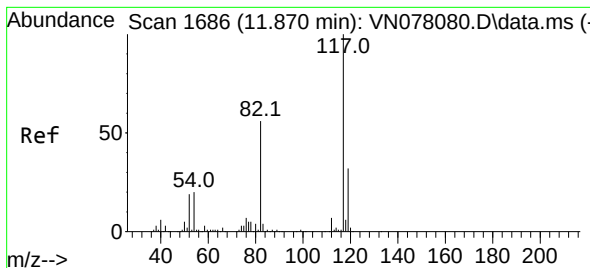
Ion Ratio Lower Upper

95 100

174 74.7 0.0 143.8

176 70.2 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN078215.D

Acq: 14 Jun 2023 18:57

Instrument :

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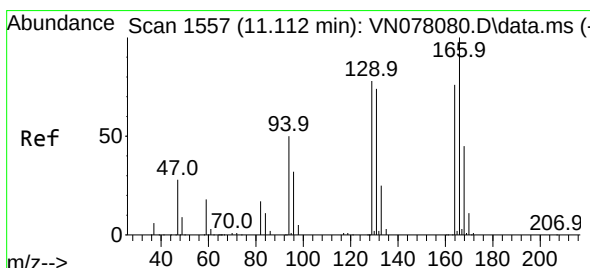
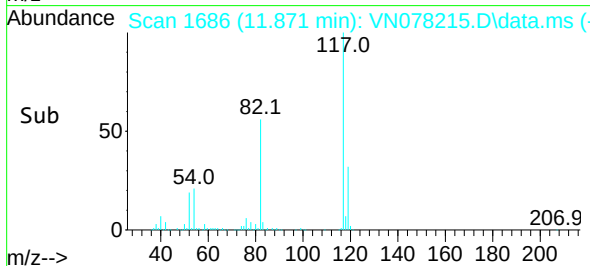
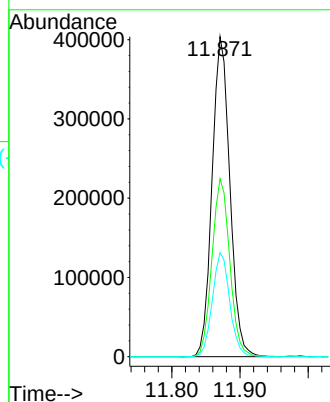
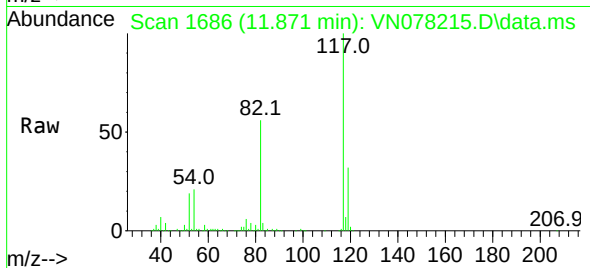
Tgt Ion:117 Resp: 733486

Ion Ratio Lower Upper

117 100

82 55.6 44.0 66.0

119 32.5 25.6 38.4



#64

Tetrachloroethene

Concen: 1.024 ug/l

RT: 11.112 min Scan# 1557

Delta R.T. 0.000 min

Lab File: VN078215.D

Acq: 14 Jun 2023 18:57

Tgt Ion:164 Resp: 5009

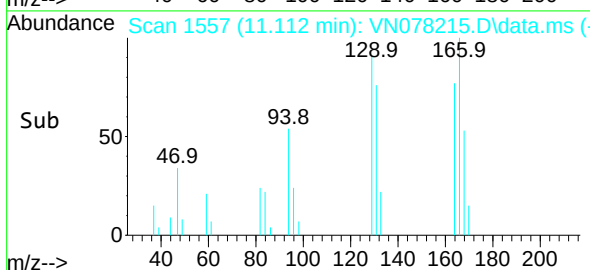
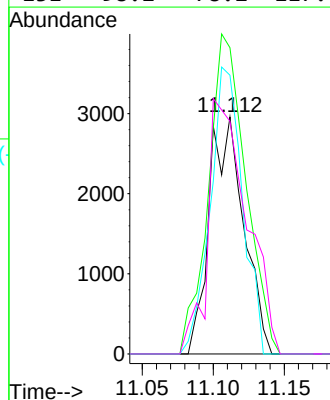
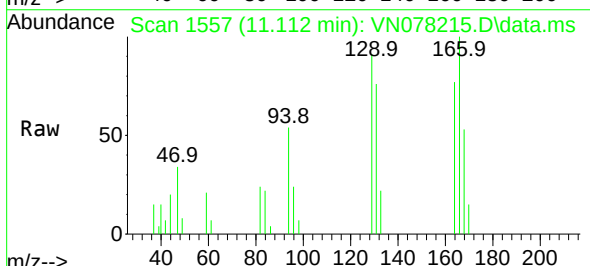
Ion Ratio Lower Upper

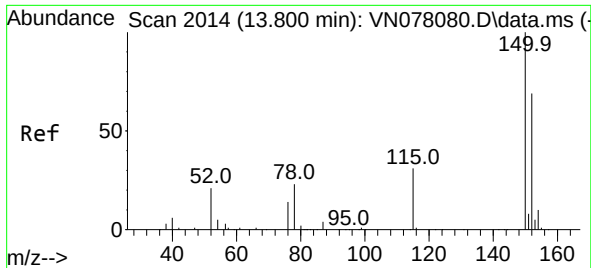
164 100

166 129.2 101.4 152.0

129 117.6 82.4 123.6

131 98.2 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: VN078215.D

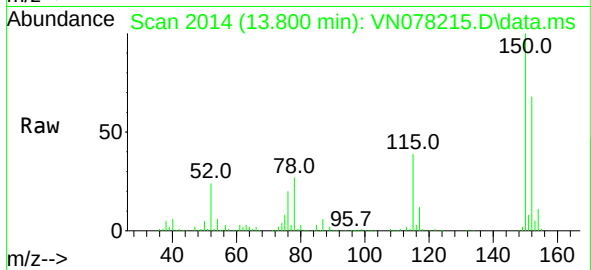
Acq: 14 Jun 2023 18:57

Instrument :

MSVOA\_N

ClientSampleId :

FSND-MW-18-06132023



Tgt Ion:152 Resp: 227811

Ion Ratio Lower Upper

152 100

115 59.4 32.3 96.8

150 154.9 0.0 355.8

