

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN062623\  
 Data File : VN078407.D  
 Acq On : 26 Jun 2023 17:13  
 Operator : JC\MD  
 Sample : 03417-02 50X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 1621

Quant Time: Jun 27 02:18:52 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

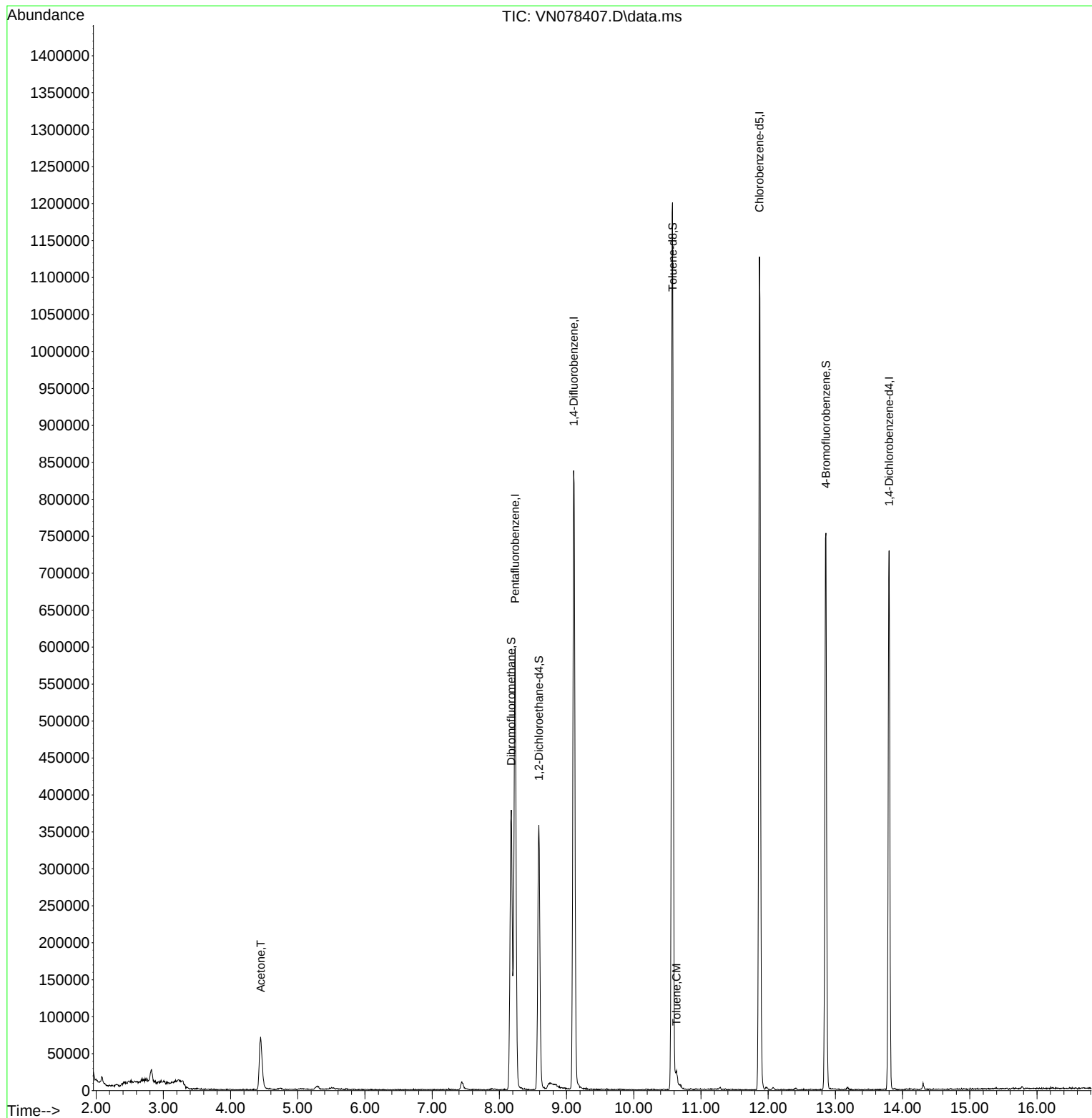
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 8.235  | 168   | 413860   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 766920   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.871 | 117   | 675993   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.800 | 152   | 195213   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.588  | 65    | 289516   | 52.467   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 104.940% |          |
| 35) Dibromofluoromethane    | 8.177  | 113   | 278014   | 57.333   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 114.660% |          |
| 50) Toluene-d8              | 10.576 | 98    | 882117   | 47.187   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 94.380%  |          |
| 62) 4-Bromofluorobenzene    | 12.859 | 95    | 275347   | 47.380   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 94.760%  |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 16) Acetone                 | 4.447  | 43    | 133503   | 84.055   | ug/l       | 94       |
| 52) Toluene                 | 10.635 | 92    | 8584     | 0.655    | ug/l       | 98       |
| -----                       |        |       |          |          |            |          |

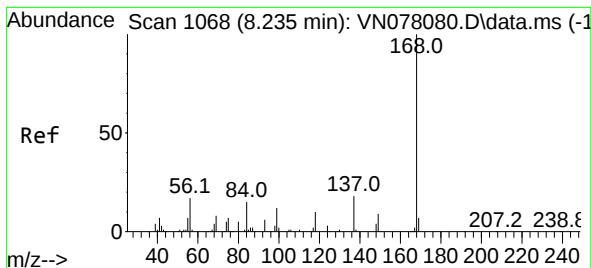
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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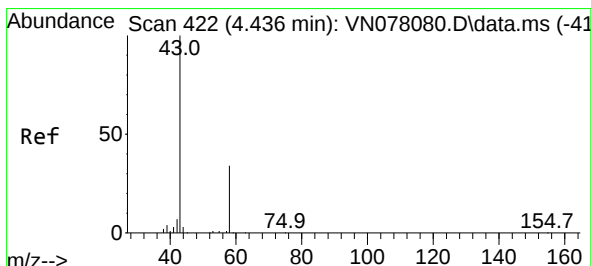
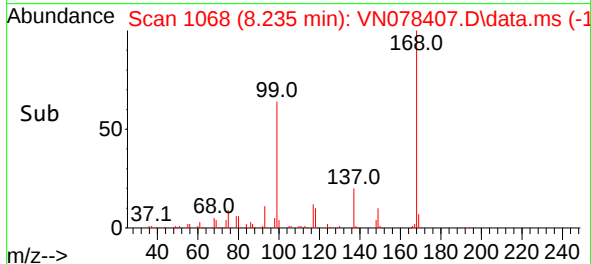
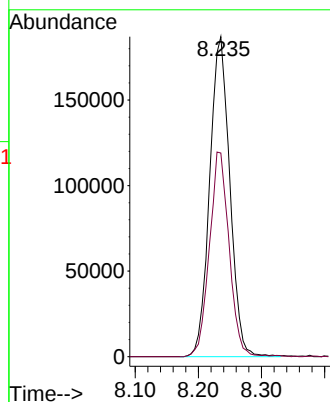
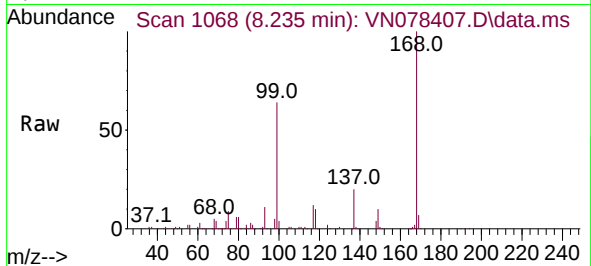




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.235 min Scan# 1068  
Delta R.T. 0.000 min  
Lab File: VN078407.D  
Acq: 26 Jun 2023 17:13

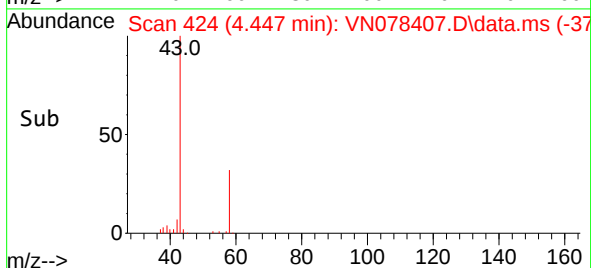
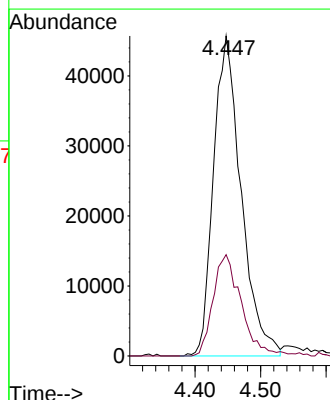
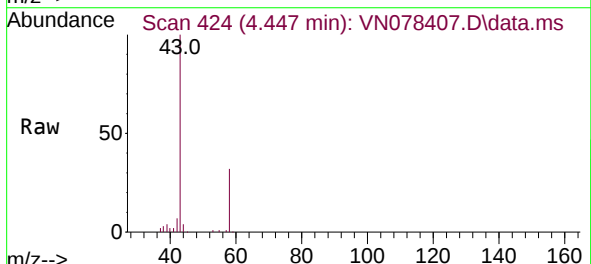
Instrument :  
MSVOA\_N  
ClientSampleId :  
1621

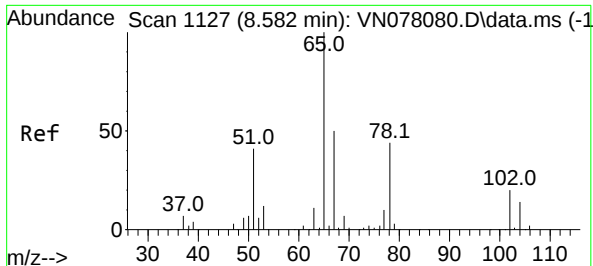
Tgt Ion:168 Resp: 413860  
Ion Ratio Lower Upper  
168 100  
99 63.7 53.0 79.6



#16  
Acetone  
Concen: 84.055 ug/l  
RT: 4.447 min Scan# 424  
Delta R.T. 0.012 min  
Lab File: VN078407.D  
Acq: 26 Jun 2023 17:13

Tgt Ion: 43 Resp: 133503  
Ion Ratio Lower Upper  
43 100  
58 31.7 28.0 42.0





#33

1,2-Dichloroethane-d4

Concen: 52.467 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN078407.D

Acq: 26 Jun 2023 17:13

Instrument :

MSVOA\_N

ClientSampleId :

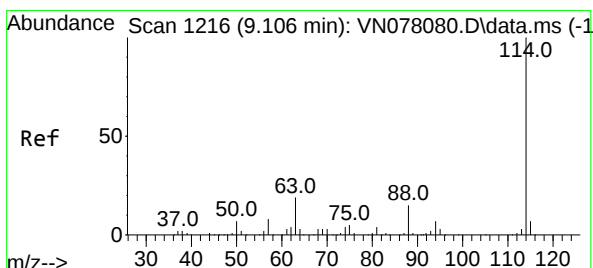
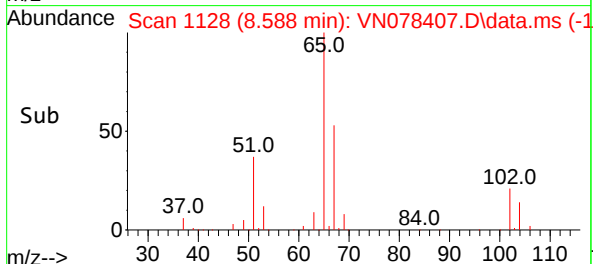
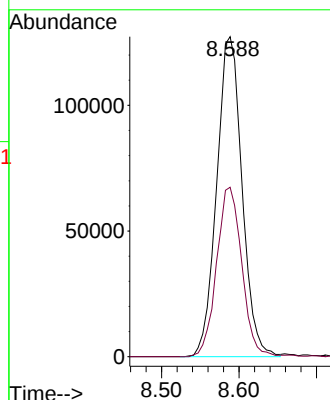
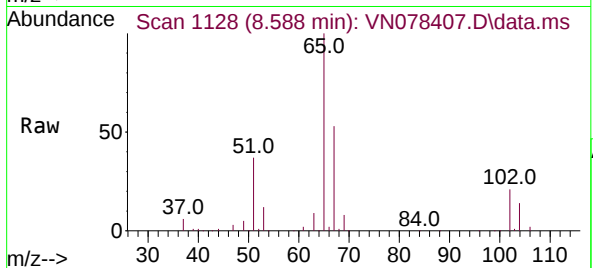
1621

Tgt Ion: 65 Resp: 289516

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# 1216

Delta R.T. 0.000 min

Lab File: VN078407.D

Acq: 26 Jun 2023 17:13

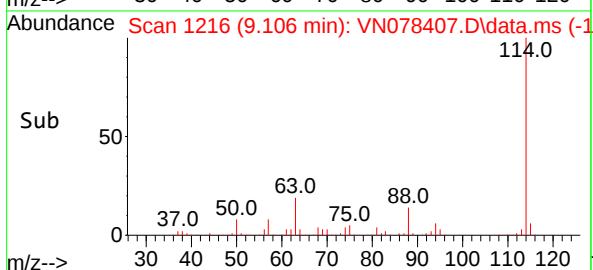
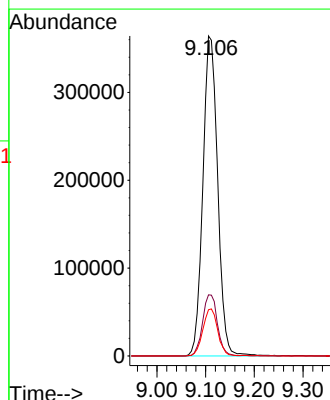
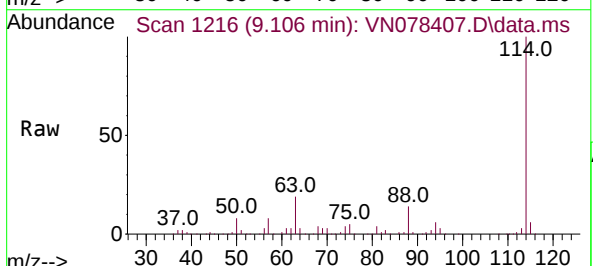
Tgt Ion: 114 Resp: 766920

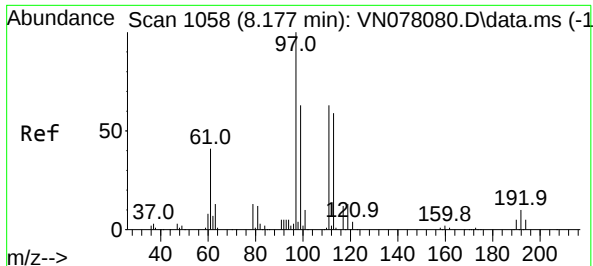
Ion Ratio Lower Upper

114 100

63 19.1 0.0 36.4

88 14.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 57.333 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VN078407.D

Acq: 26 Jun 2023 17:13

Instrument :

MSVOA\_N

ClientSampleId :

1621

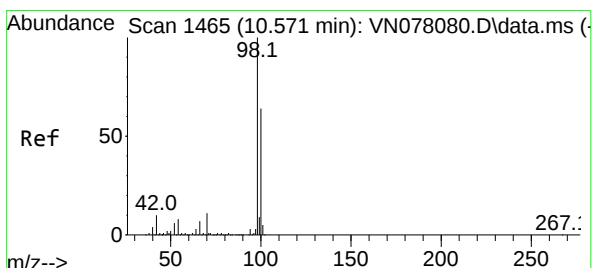
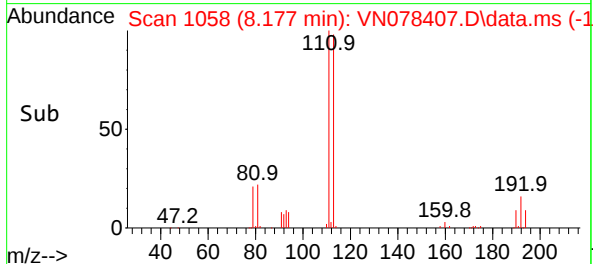
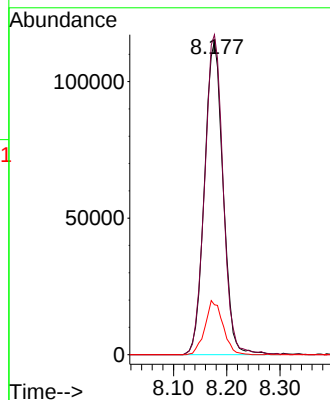
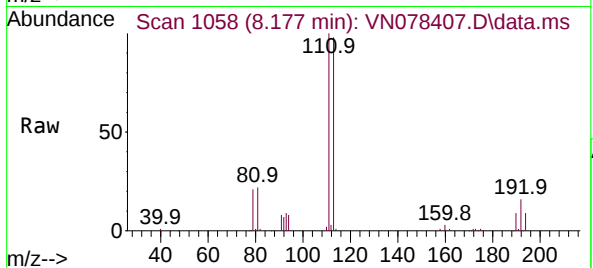
Tgt Ion:113 Resp: 278014

Ion Ratio Lower Upper

113 100

111 101.4 82.6 123.8

192 16.7 12.7 19.1



#50

Toluene-d8

Concen: 47.187 ug/l

RT: 10.576 min Scan# 1466

Delta R.T. 0.006 min

Lab File: VN078407.D

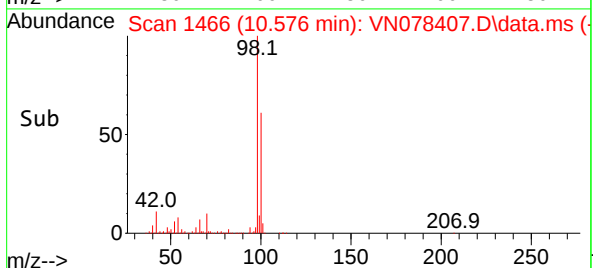
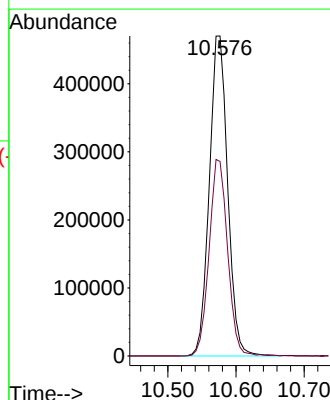
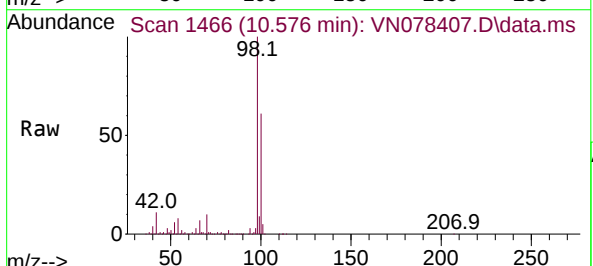
Acq: 26 Jun 2023 17:13

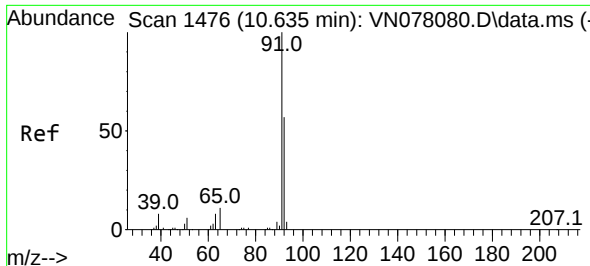
Tgt Ion: 98 Resp: 882117

Ion Ratio Lower Upper

98 100

100 61.9 52.0 78.0

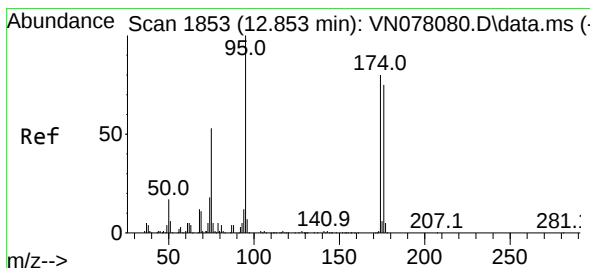
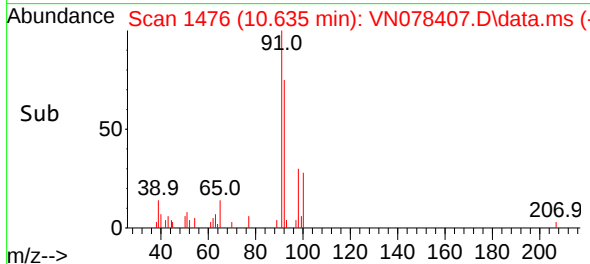
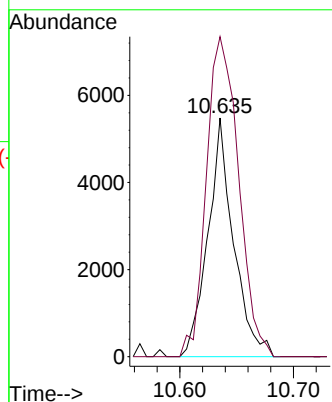
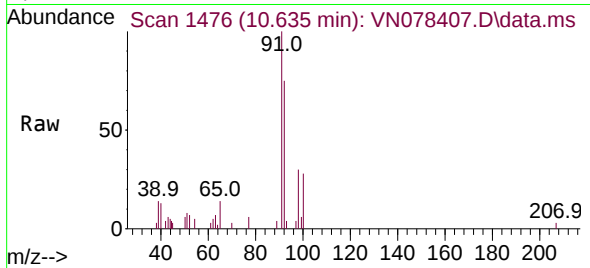




#52  
Toluene  
Concen: 0.655 ug/l  
RT: 10.635 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VN078407.D  
Acq: 26 Jun 2023 17:13

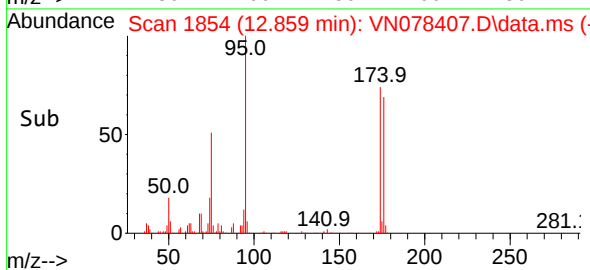
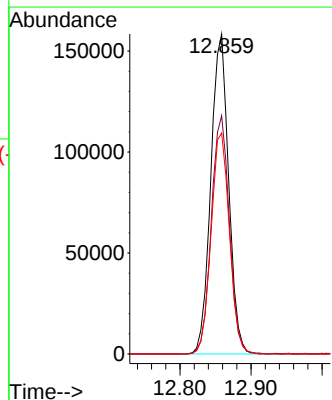
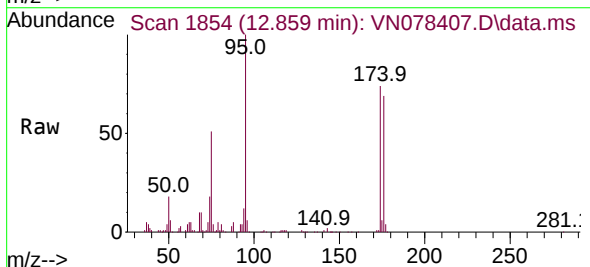
Instrument :  
MSVOA\_N  
ClientSampleId :  
1621

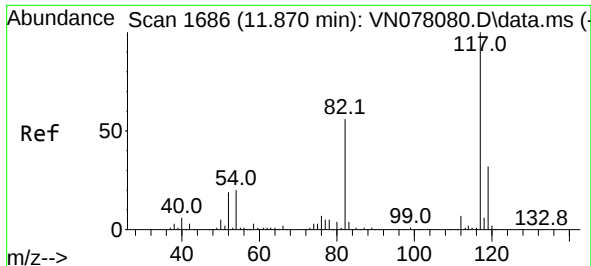
Tgt Ion: 92 Resp: 8584  
Ion Ratio Lower Upper  
92 100  
91 168.7 137.4 206.0



#62  
4-Bromofluorobenzene  
Concen: 47.380 ug/l  
RT: 12.859 min Scan# 1854  
Delta R.T. 0.006 min  
Lab File: VN078407.D  
Acq: 26 Jun 2023 17:13

Tgt Ion: 95 Resp: 275347  
Ion Ratio Lower Upper  
95 100  
174 75.3 0.0 143.8  
176 70.9 0.0 135.8

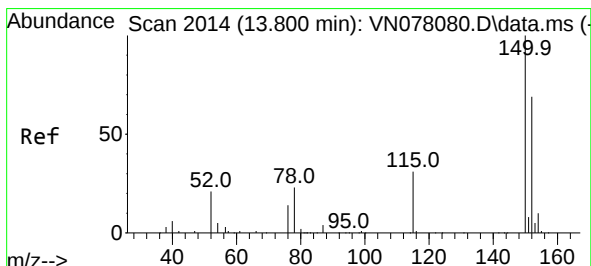
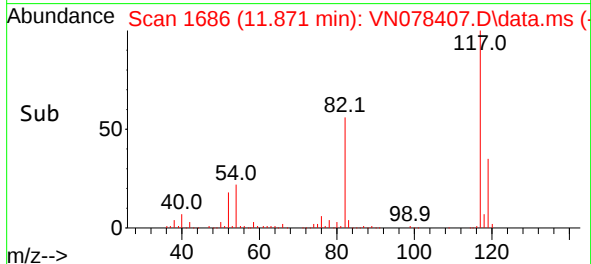
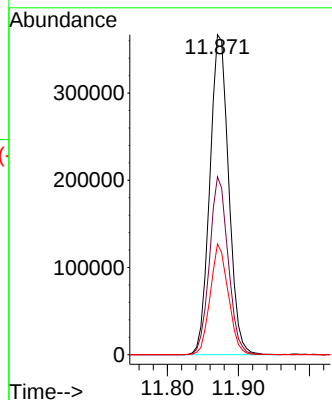
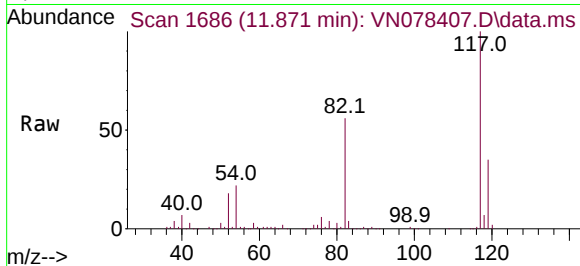




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VN078407.D  
Acq: 26 Jun 2023 17:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
1621

Tgt Ion:117 Resp: 675993  
Ion Ratio Lower Upper  
117 100  
82 55.6 44.0 66.0  
119 34.6 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.800 min Scan# 2014  
Delta R.T. 0.000 min  
Lab File: VN078407.D  
Acq: 26 Jun 2023 17:13

Tgt Ion:152 Resp: 195213  
Ion Ratio Lower Upper  
152 100  
115 62.5 32.3 96.8  
150 159.8 0.0 355.8

