

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN071223\  
 Data File : VN078484.D  
 Acq On : 12 Jul 2023 17:33  
 Operator : JC\MD  
 Sample : 03585-01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 50057

Quant Time: Jul 13 03:49:49 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N071023W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 10 16:13:53 2023  
 Response via : Initial Calibration

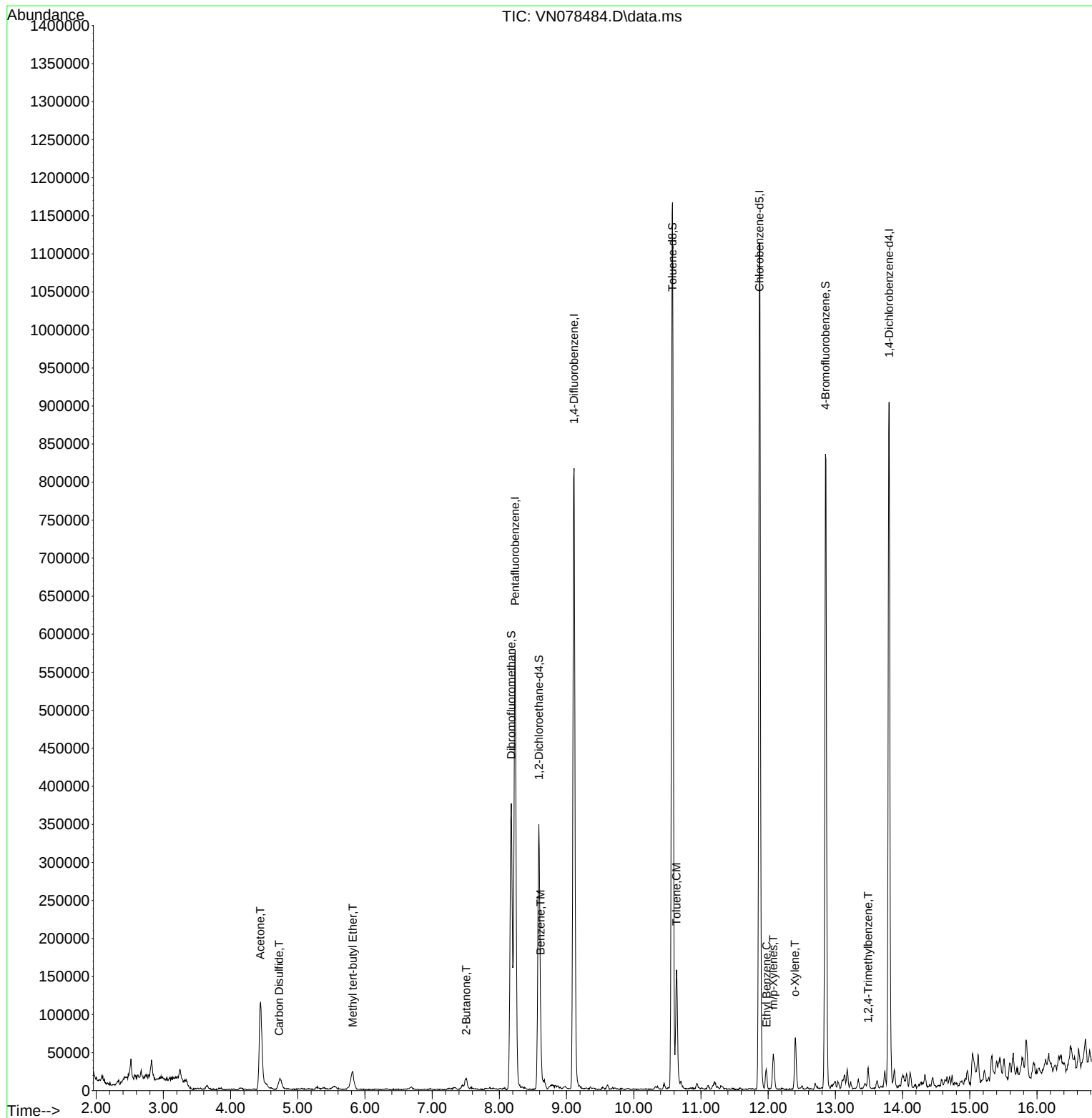
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.235  | 168   | 422101   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.112  | 114   | 734287   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.870 | 117   | 683093   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.800 | 152   | 250410   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.588  | 65    | 272878   | 48.223   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 96.440%  |
| 35) Dibromofluoromethane    | 8.177  | 113   | 269756   | 54.118   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 108.240% |
| 50) Toluene-d8              | 10.576 | 98    | 862947   | 45.828   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 91.660%  |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 296510   | 51.122   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 102.240% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.442  | 43    | 212243   | 120.409  | ug/l   | 92       |
| 17) Carbon Disulfide        | 4.724  | 76    | 14636    | 1.136    | ug/l # | 91       |
| 19) Methyl tert-butyl Ether | 5.818  | 73    | 34722    | 2.366    | ug/l # | 85       |
| 25) 2-Butanone              | 7.506  | 43    | 23847    | 8.594    | ug/l # | 71       |
| 40) Benzene                 | 8.612  | 78    | 30983    | 1.453    | ug/l   | 99       |
| 52) Toluene                 | 10.635 | 92    | 65844    | 4.982    | ug/l   | 93       |
| 67) Ethyl Benzene           | 11.976 | 91    | 15701    | 0.608    | ug/l # | 84       |
| 68) m/p-Xylenes             | 12.076 | 106   | 14840    | 1.555    | ug/l   | 90       |
| 69) o-Xylene                | 12.400 | 106   | 17853    | 1.852    | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene  | 13.488 | 105   | 14170    | 0.785    | ug/l   | 93       |
| -----                       |        |       |          |          |        |          |

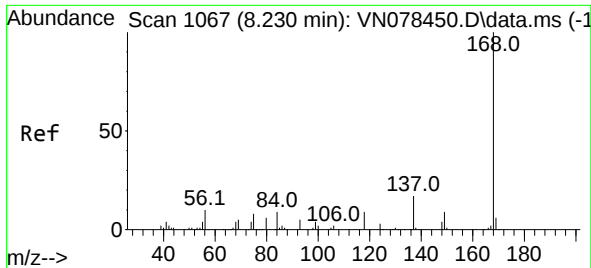
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_N  
ClientSampleId :  
50057

Quant Time: Jul 13 03:49:49 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N071023W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jul 10 16:13:53 2023  
Response via : Initial Calibration

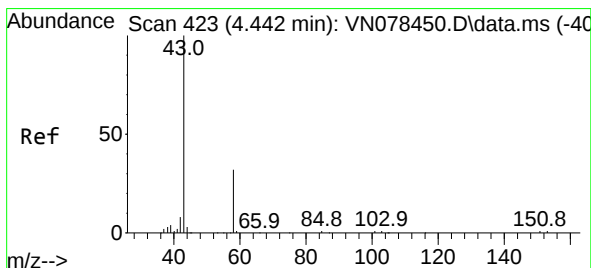
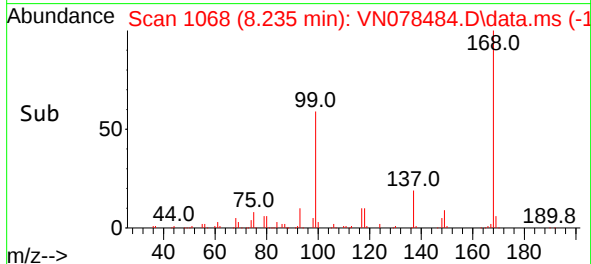
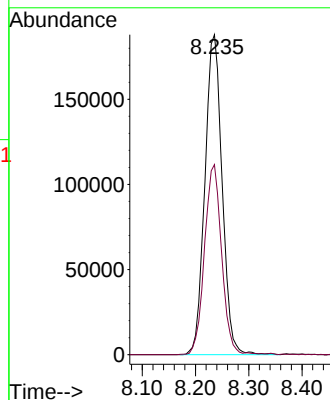
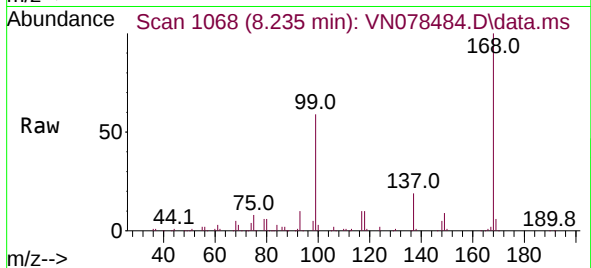




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.235 min Scan# 1067  
Delta R.T. 0.005 min  
Lab File: VN078484.D  
Acq: 12 Jul 2023 17:33

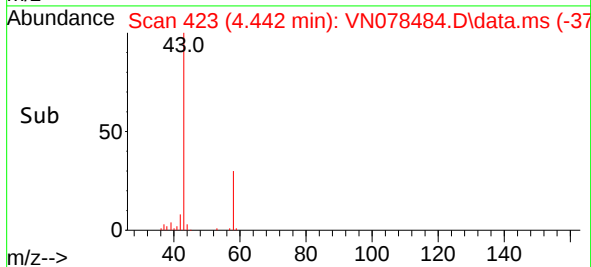
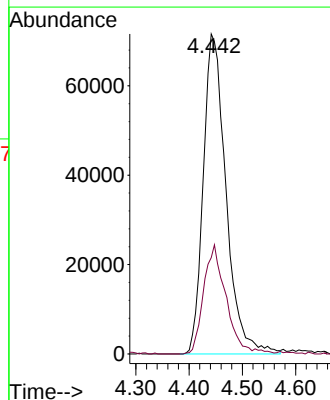
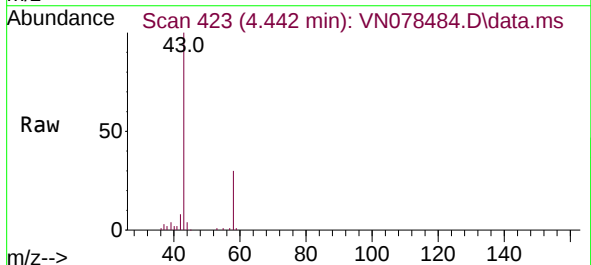
Instrument :  
MSVOA\_N  
ClientSampleId :  
50057

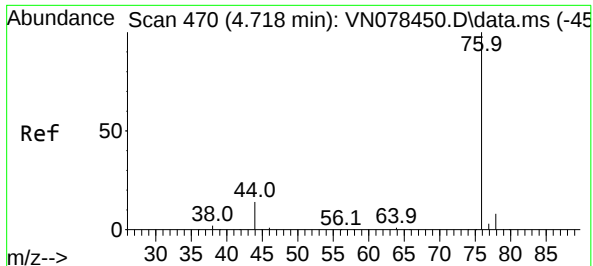
Tgt Ion:168 Resp: 422101  
Ion Ratio Lower Upper  
168 100  
99 59.3 53.0 79.6



#16  
Acetone  
Concen: 120.409 ug/l  
RT: 4.442 min Scan# 423  
Delta R.T. -0.000 min  
Lab File: VN078484.D  
Acq: 12 Jul 2023 17:33

Tgt Ion: 43 Resp: 212243  
Ion Ratio Lower Upper  
43 100  
58 30.1 28.0 42.0

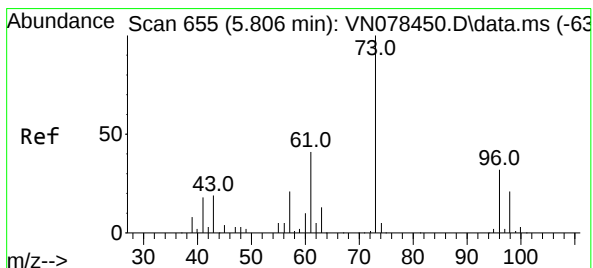
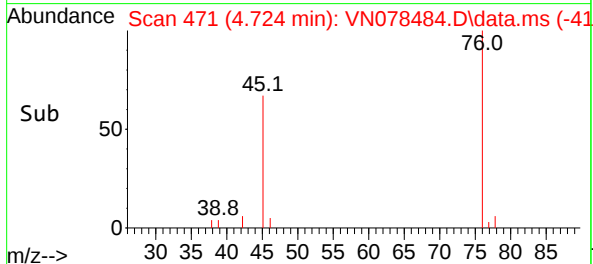
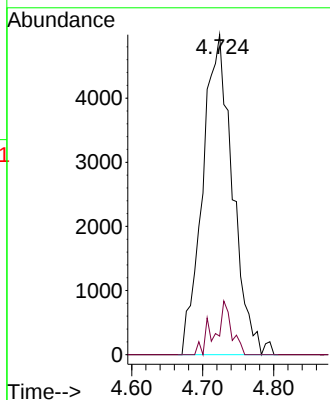
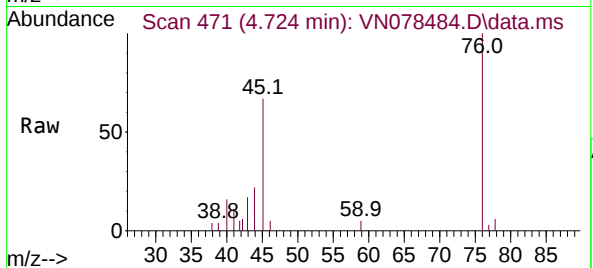




#17  
Carbon Disulfide  
Concen: 1.136 ug/l  
RT: 4.724 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VN078484.D  
Acq: 12 Jul 2023 17:33

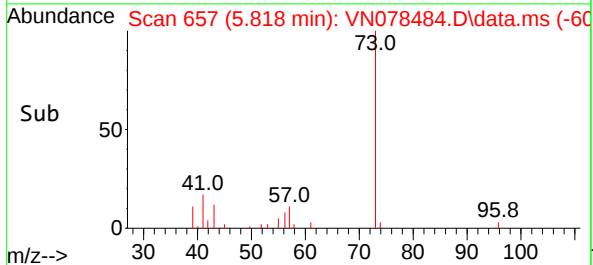
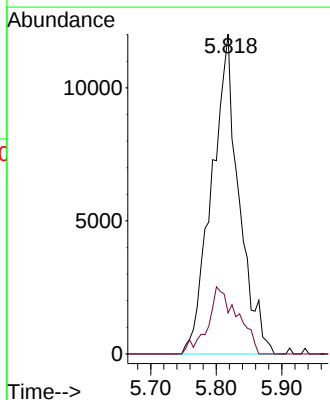
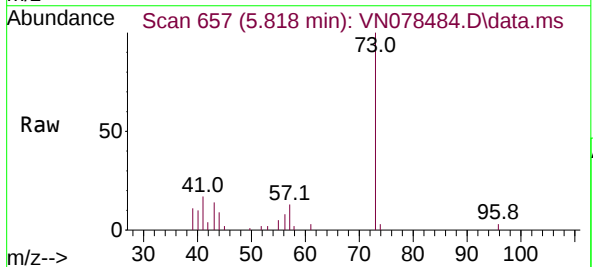
Instrument :  
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ClientSampleId :  
50057

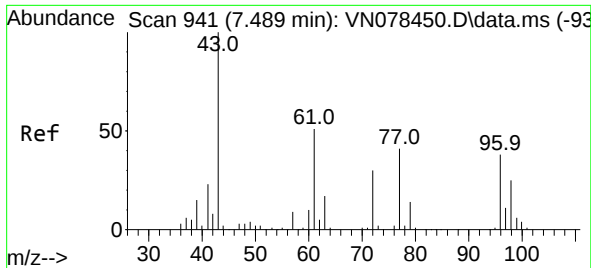
Tgt Ion: 76 Resp: 14636  
Ion Ratio Lower Upper  
76 100  
78 5.8 7.4 11.0#



#19  
Methyl tert-butyl Ether  
Concen: 2.366 ug/l  
RT: 5.818 min Scan# 657  
Delta R.T. 0.012 min  
Lab File: VN078484.D  
Acq: 12 Jul 2023 17:33

Tgt Ion: 73 Resp: 34722  
Ion Ratio Lower Upper  
73 100  
57 12.8 15.6 23.4#

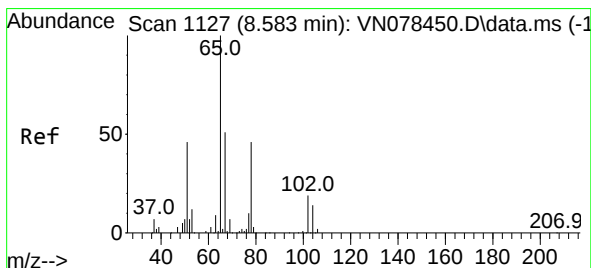
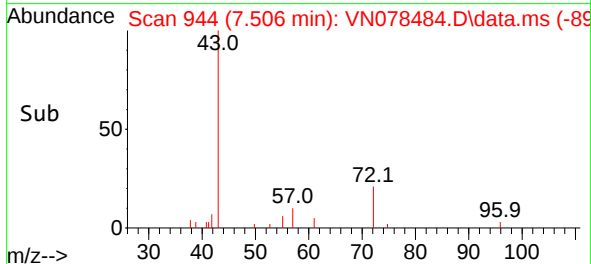
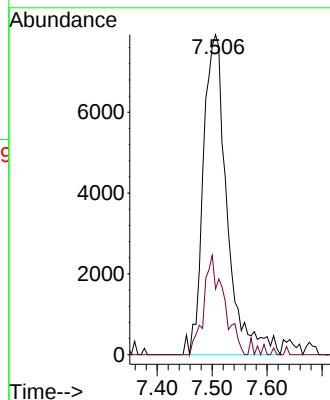
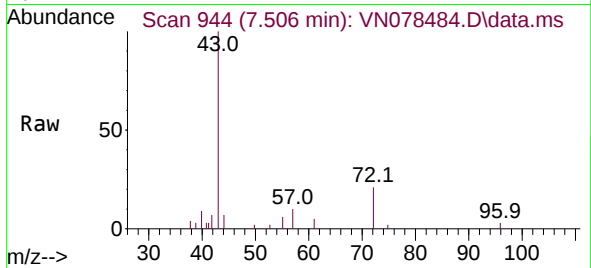




#25  
2-Butanone  
Concen: 8.594 ug/l  
RT: 7.506 min Scan# 941  
Delta R.T. 0.017 min  
Lab File: VN078484.D  
Acq: 12 Jul 2023 17:33

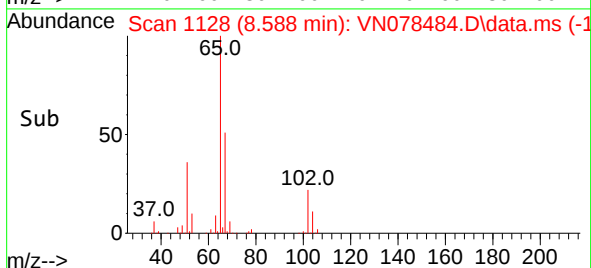
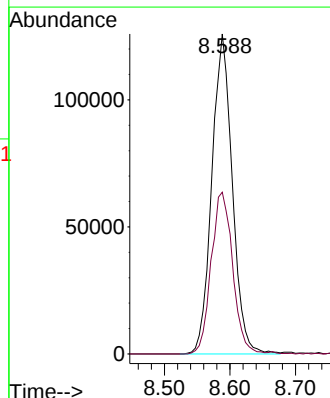
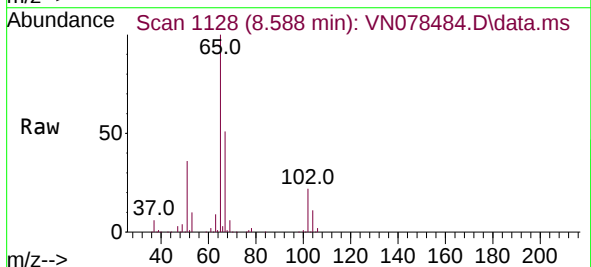
Instrument :  
MSVOA\_N  
ClientSampleId :  
50057

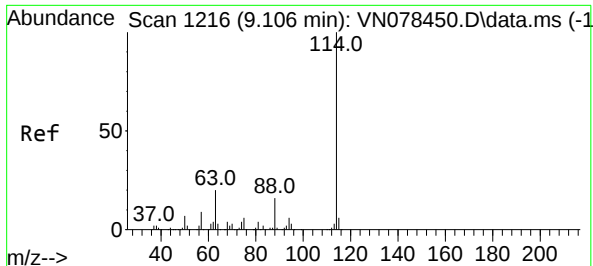
Tgt Ion: 43 Resp: 23847  
Ion Ratio Lower Upper  
43 100  
72 20.5 30.2 45.2#



#33  
1,2-Dichloroethane-d4  
Concen: 48.223 ug/l  
RT: 8.588 min Scan# 1128  
Delta R.T. 0.005 min  
Lab File: VN078484.D  
Acq: 12 Jul 2023 17:33

Tgt Ion: 65 Resp: 272878  
Ion Ratio Lower Upper  
65 100  
67 53.0 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: VN078484.D

Acq: 12 Jul 2023 17:33

Instrument :

MSVOA\_N

ClientSampleId :

50057

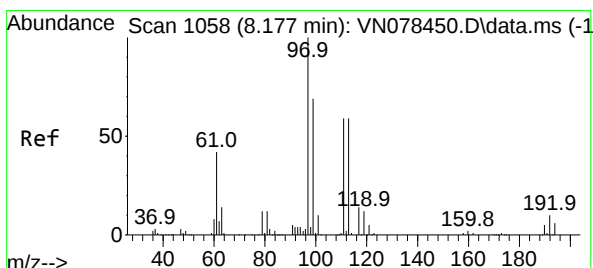
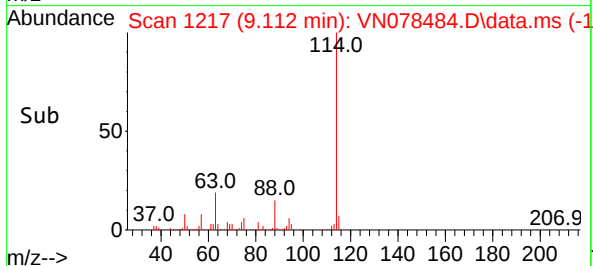
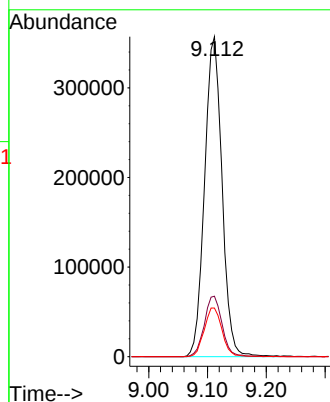
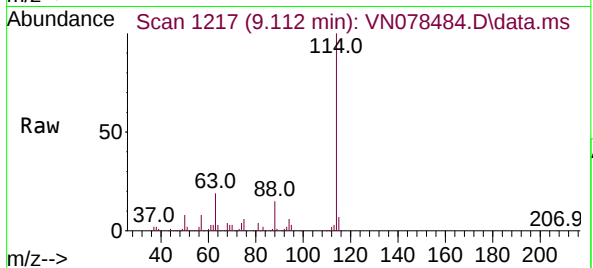
Tgt Ion:114 Resp: 734287

Ion Ratio Lower Upper

114 100

63 18.9 0.0 36.4

88 15.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.118 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN078484.D

Acq: 12 Jul 2023 17:33

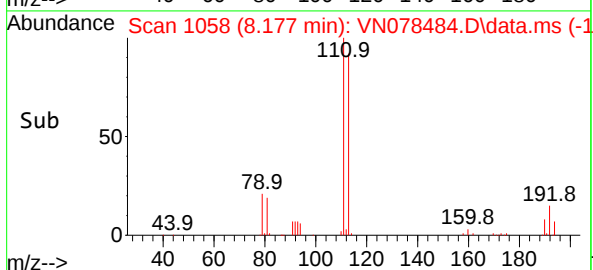
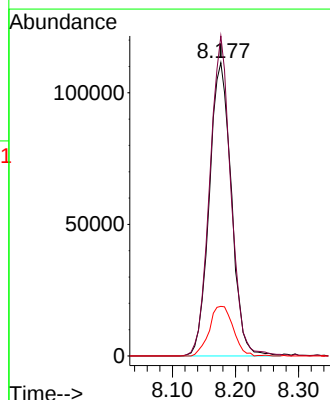
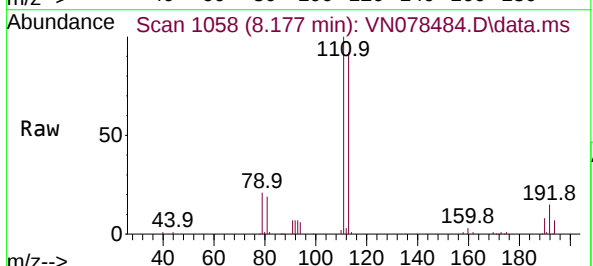
Tgt Ion:113 Resp: 269756

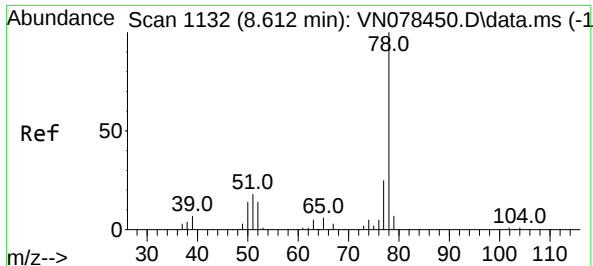
Ion Ratio Lower Upper

113 100

111 104.8 82.6 123.8

192 18.3 12.7 19.1

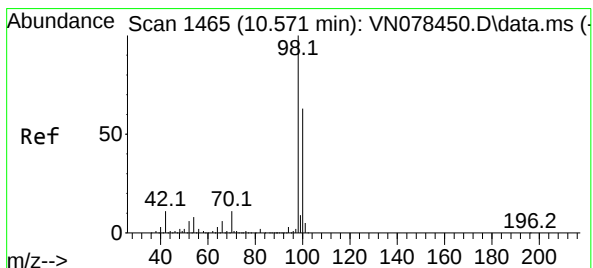
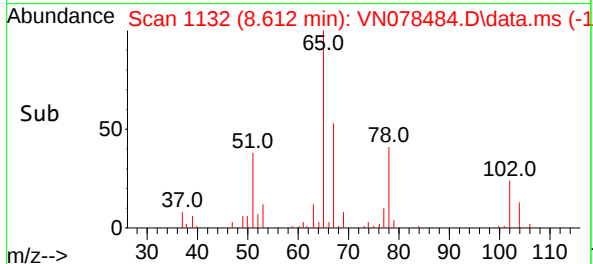
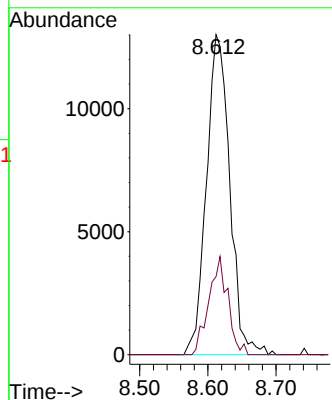
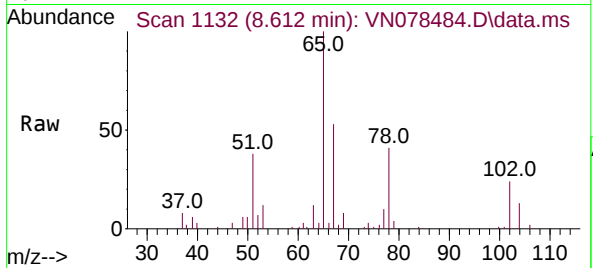




#40  
Benzene  
Concen: 1.453 ug/l  
RT: 8.612 min Scan# 1132  
Delta R.T. -0.000 min  
Lab File: VN078484.D  
Acq: 12 Jul 2023 17:33

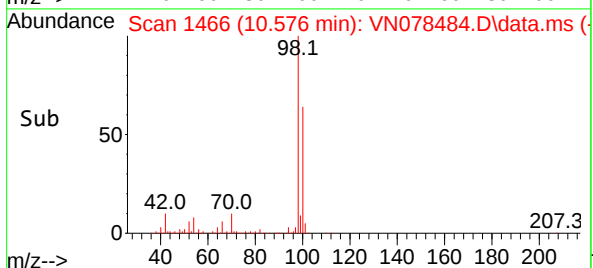
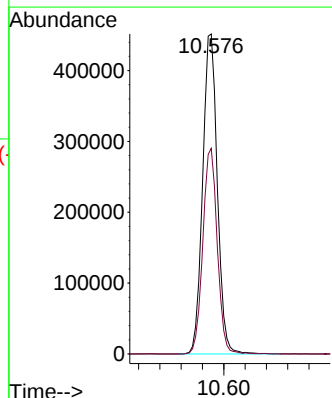
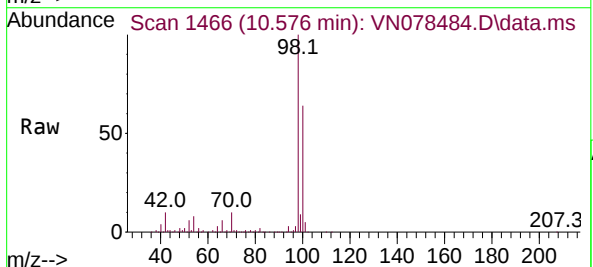
Instrument :  
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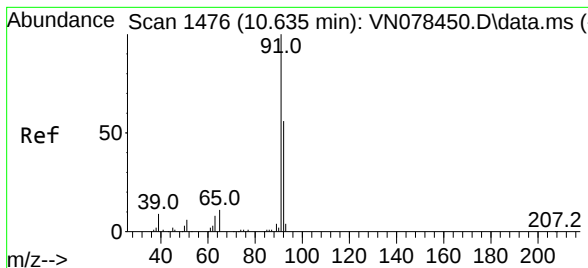
Tgt Ion: 78 Resp: 30983  
Ion Ratio Lower Upper  
78 100  
77 24.4 19.0 28.6



#50  
Toluene-d8  
Concen: 45.828 ug/l  
RT: 10.576 min Scan# 1466  
Delta R.T. 0.005 min  
Lab File: VN078484.D  
Acq: 12 Jul 2023 17:33

Tgt Ion: 98 Resp: 862947  
Ion Ratio Lower Upper  
98 100  
100 63.2 52.0 78.0





#52

Toluene

Concen: 4.982 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VN078484.D

Acq: 12 Jul 2023 17:33

Instrument :

MSVOA\_N

ClientSampleId :

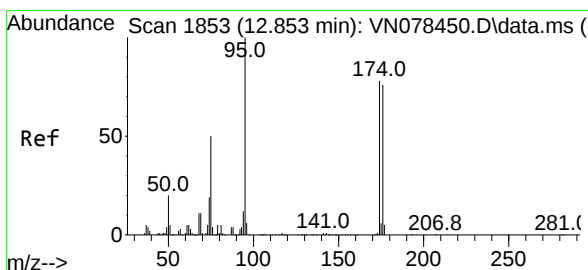
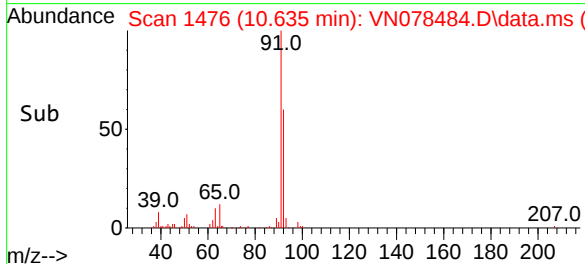
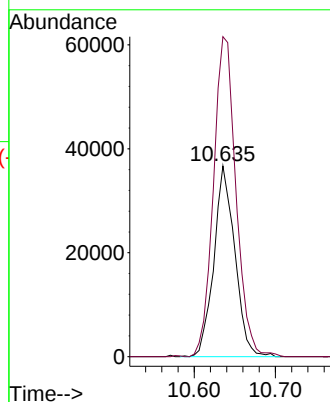
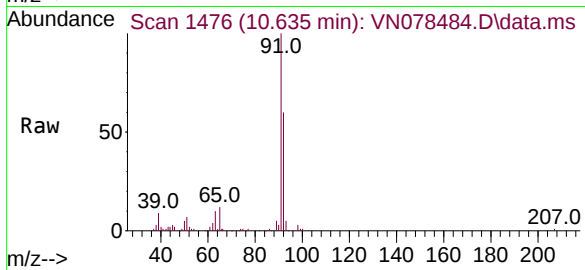
50057

Tgt Ion: 92 Resp: 65844

Ion Ratio Lower Upper

92 100

91 180.8 137.4 206.0



#62

4-Bromofluorobenzene

Concen: 51.122 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VN078484.D

Acq: 12 Jul 2023 17:33

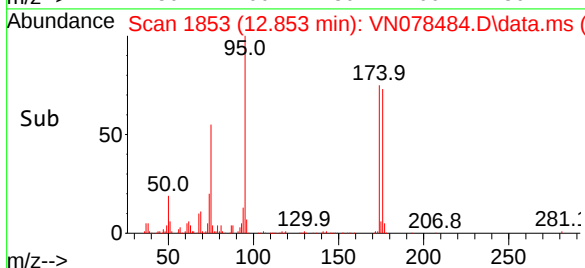
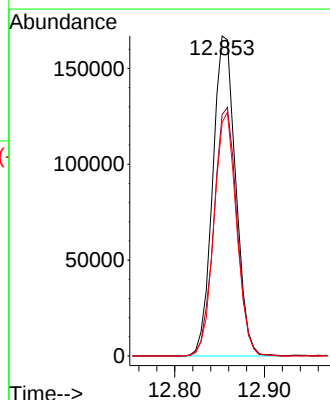
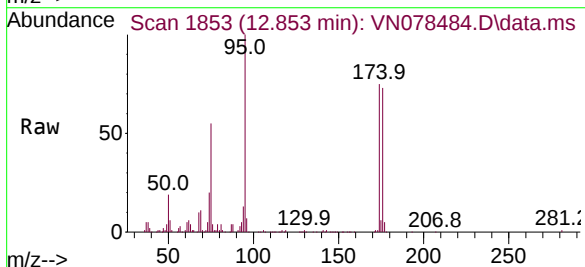
Tgt Ion: 95 Resp: 296510

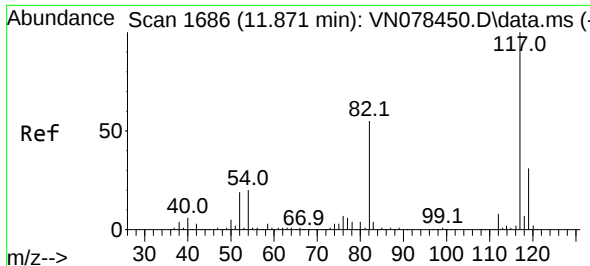
Ion Ratio Lower Upper

95 100

174 77.8 0.0 143.8

176 74.7 0.0 135.8

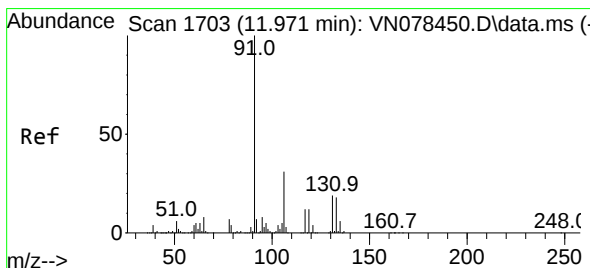
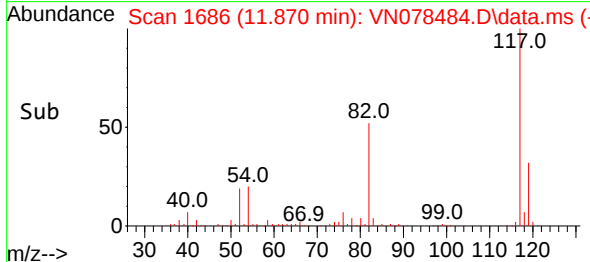
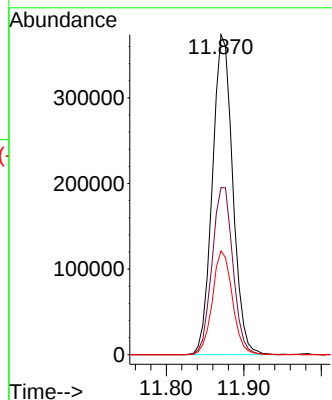
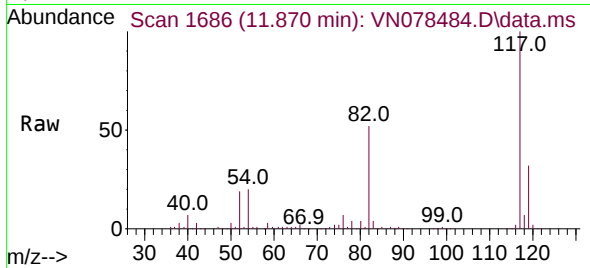




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.870 min Scan# 117  
Delta R.T. -0.001 min  
Lab File: VN078484.D  
Acq: 12 Jul 2023 17:33

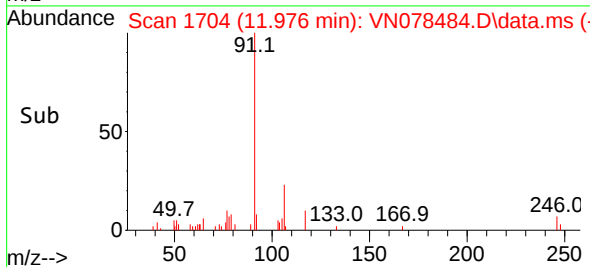
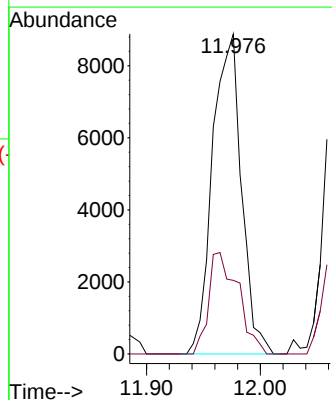
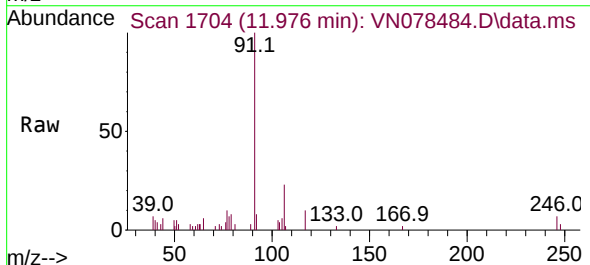
Instrument :  
MSVOA\_N  
ClientSampleId :  
50057

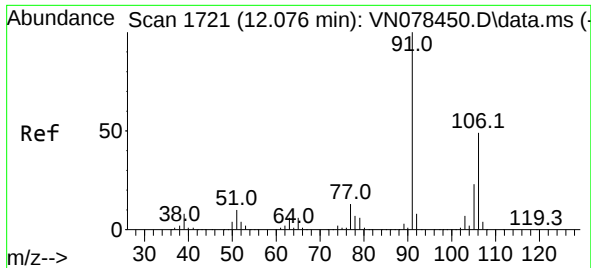
Tgt Ion:117 Resp: 683093  
Ion Ratio Lower Upper  
117 100  
82 52.2 44.0 66.0  
119 32.5 25.6 38.4



#67  
Ethyl Benzene  
Concen: 0.608 ug/l  
RT: 11.976 min Scan# 1704  
Delta R.T. 0.005 min  
Lab File: VN078484.D  
Acq: 12 Jul 2023 17:33

Tgt Ion: 91 Resp: 15701  
Ion Ratio Lower Upper  
91 100  
106 23.0 25.6 38.4#

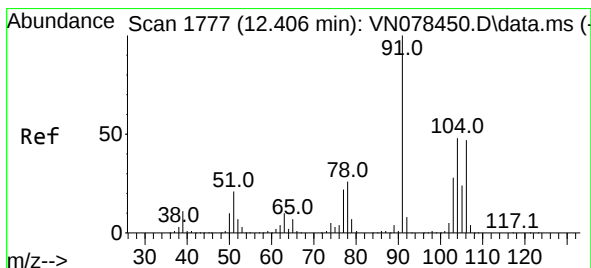
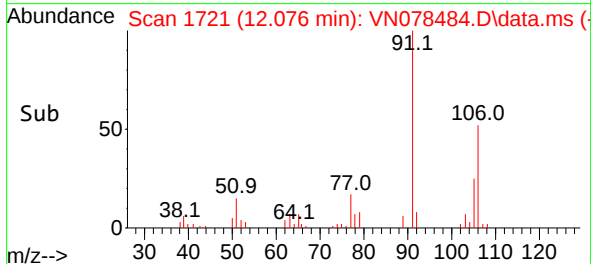
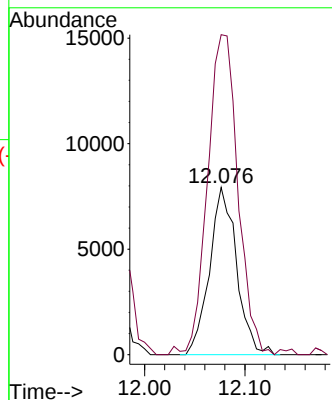
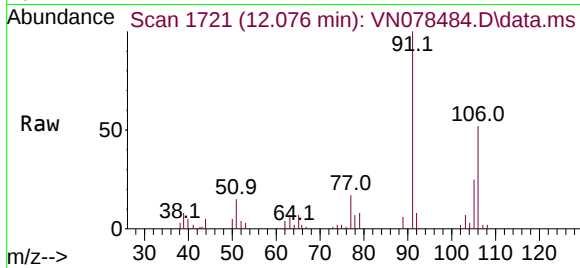




#68  
m/p-Xylenes  
Concen: 1.555 ug/l  
RT: 12.076 min Scan# 1721  
Delta R.T. 0.000 min  
Lab File: VN078484.D  
Acq: 12 Jul 2023 17:33

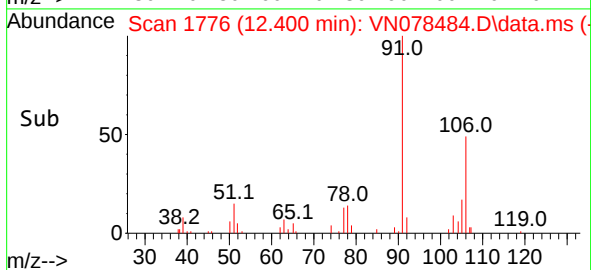
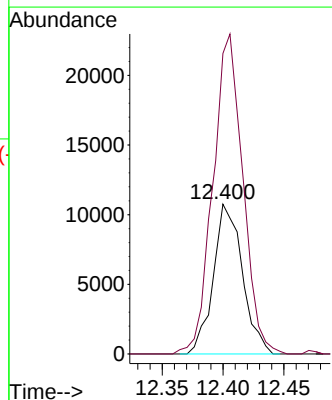
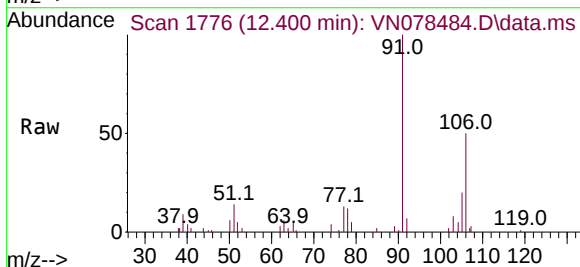
Instrument :  
MSVOA\_N  
ClientSampleId :  
50057

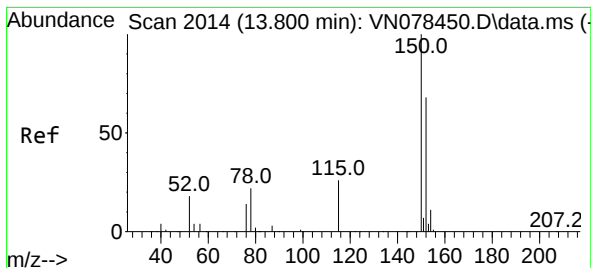
Tgt Ion:106 Resp: 14840  
Ion Ratio Lower Upper  
106 100  
91 215.1 159.6 239.4



#69  
o-Xylene  
Concen: 1.852 ug/l  
RT: 12.400 min Scan# 1776  
Delta R.T. -0.006 min  
Lab File: VN078484.D  
Acq: 12 Jul 2023 17:33

Tgt Ion:106 Resp: 17853  
Ion Ratio Lower Upper  
106 100  
91 220.0 105.2 315.5

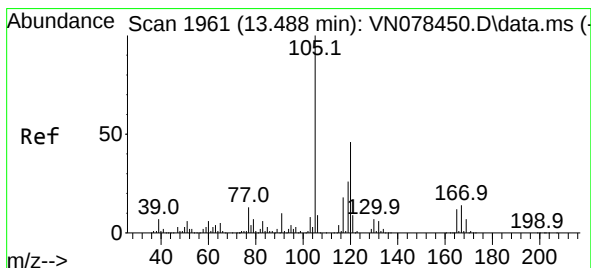
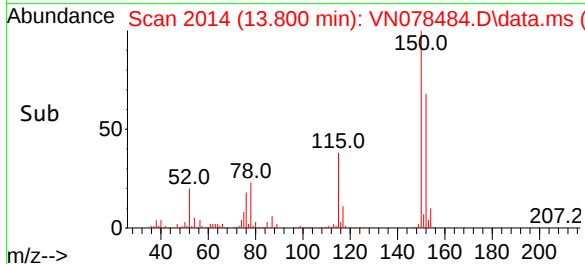
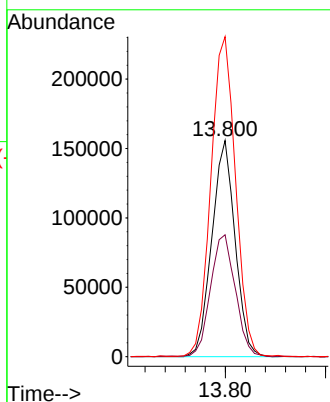
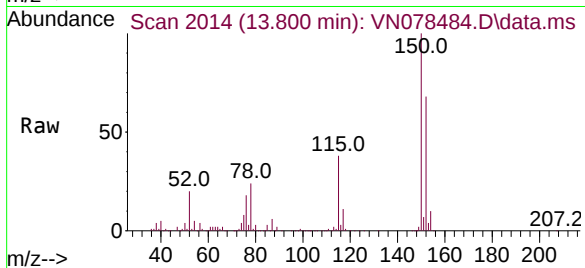




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.800 min Scan# 2014  
Delta R.T. -0.000 min  
Lab File: VN078484.D  
Acq: 12 Jul 2023 17:33

Instrument :  
MSVOA\_N  
ClientSampleId :  
50057

Tgt Ion:152 Resp: 250410  
Ion Ratio Lower Upper  
152 100  
115 60.0 32.3 96.8  
150 157.1 0.0 355.8



#84  
1,2,4-Trimethylbenzene  
Concen: 0.785 ug/l  
RT: 13.488 min Scan# 1961  
Delta R.T. -0.000 min  
Lab File: VN078484.D  
Acq: 12 Jul 2023 17:33

Tgt Ion:105 Resp: 14170  
Ion Ratio Lower Upper  
105 100  
120 48.5 22.0 66.0

