

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN020124\  
 Data File : VN080859.D  
 Acq On : 01 Feb 2024 10:37  
 Operator : JC\MD  
 Sample : VN0201WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0201WBL01

Quant Time: Feb 02 03:31:55 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N012924W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jan 29 12:54:23 2024  
 Response via : Initial Calibration

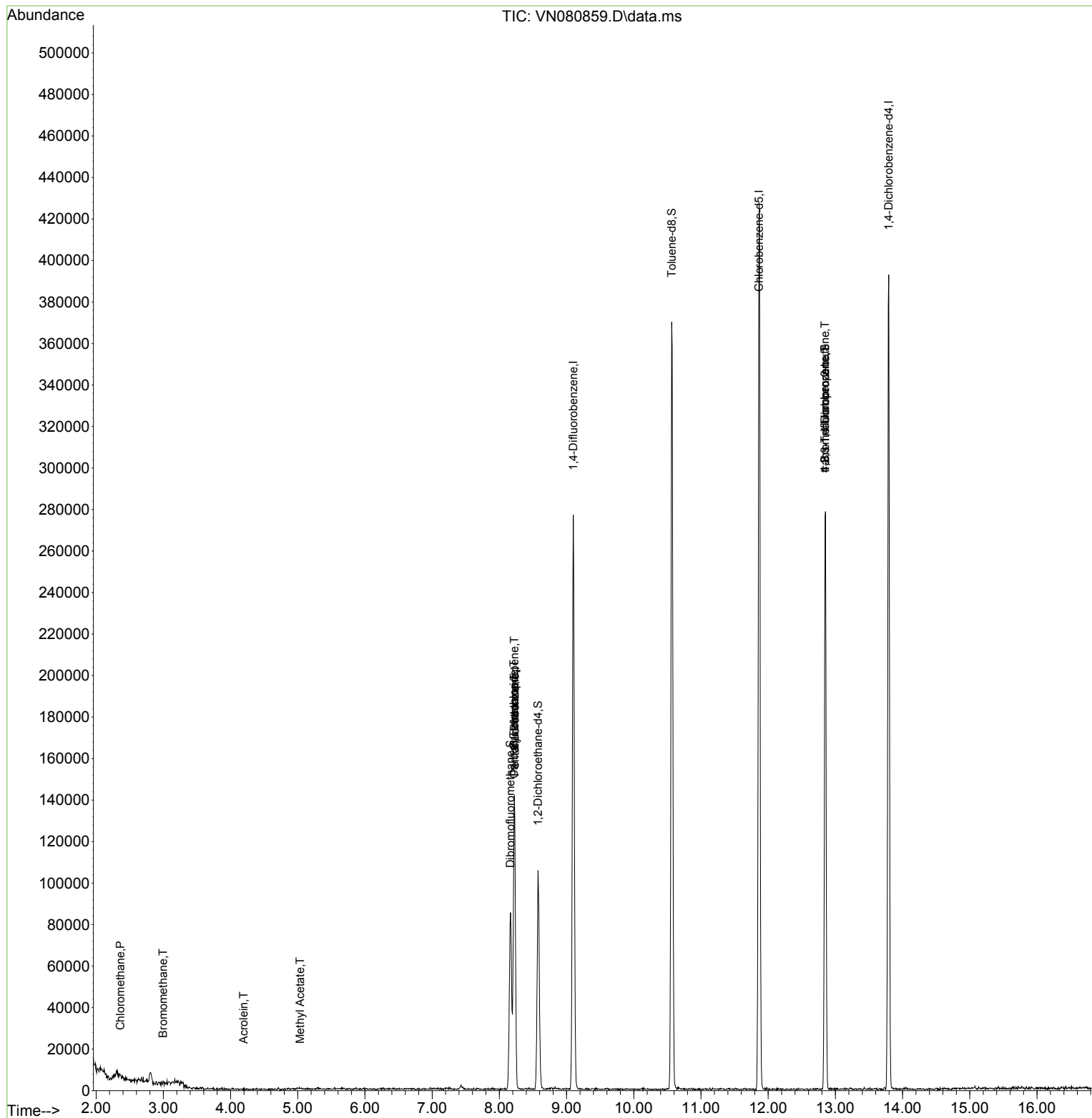
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 8.230     | 168   | 86995    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.100     | 114   | 210734   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.865    | 117   | 220769   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794    | 152   | 89086    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.577     | 65    | 78469    | 52.139   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 74 - 125 | Recovery | = 104.280% |          |
| 35) Dibromofluoromethane      | 8.165     | 113   | 59081    | 45.825   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 75 - 124 | Recovery | = 91.640%  |          |
| 50) Toluene-d8                | 10.565    | 98    | 243316   | 48.218   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 86 - 113 | Recovery | = 96.440%  |          |
| 62) 4-Bromofluorobenzene      | 12.847    | 95    | 93254    | 53.032   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 83 - 123 | Recovery | = 106.060% |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 3) Chloromethane              | 2.359     | 50    | 2152     | 1.108    | ug/l       | 96       |
| 5) Bromomethane               | 2.995     | 94    | 361      | 0.611    | ug/l #     | 6        |
| 13) Acrolein                  | 4.195     | 56    | 82       | 0.265    | ug/l #     | 15       |
| 18) Methyl Acetate            | 5.036     | 43    | 510      | 0.268    | ug/l #     | 83       |
| 31) Cyclohexane               | 8.224     | 56    | 3874     | 1.501    | ug/l #     | 57       |
| 36) 1,1-Dichloropropene       | 8.224     | 75    | 9788     | 4.085    | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 8.218     | 117   | 10498    | 5.437    | ug/l #     | 20       |
| 76) 1,2,3-Trichloropropane    | 12.847    | 75    | 57306    | 21.328   | ug/l #     | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.847    | 75    | 57306    | 54.946   | ug/l #     | 14       |
| -----                         |           |       |          |          |            |          |

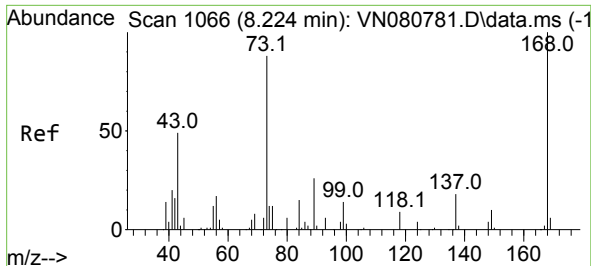
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VN0201WBL01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0201WBL01

Quant Time: Feb 02 03:31:55 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N012924W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jan 29 12:54:23 2024  
Response via : Initial Calibration

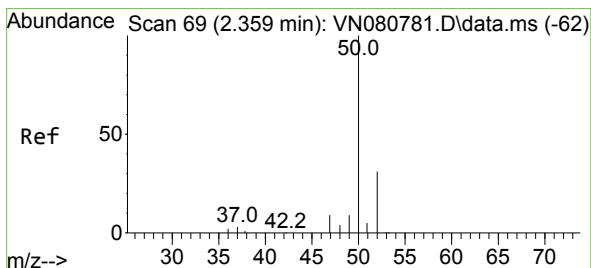
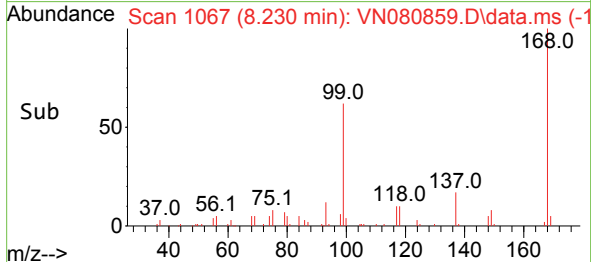
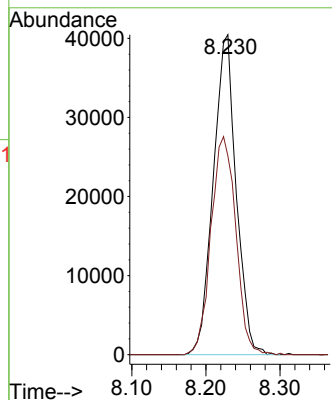
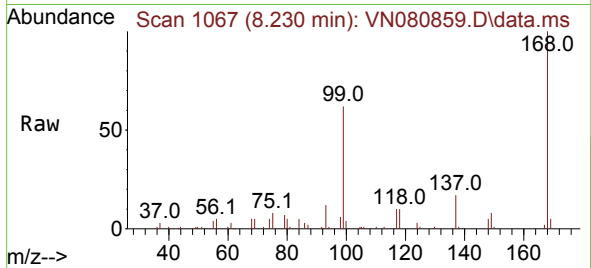




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN080859.D  
Acq: 01 Feb 2024 10:37

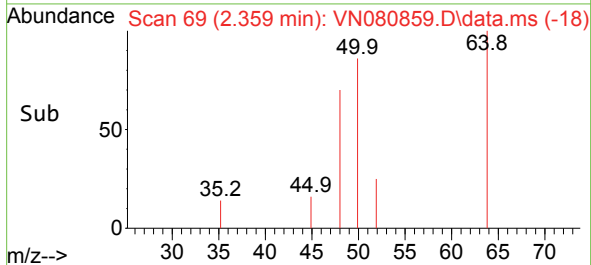
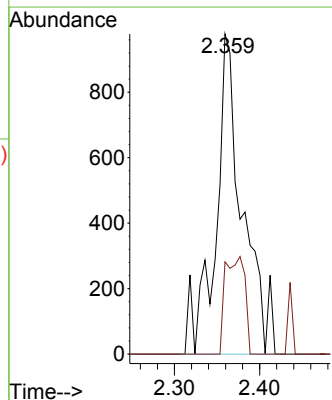
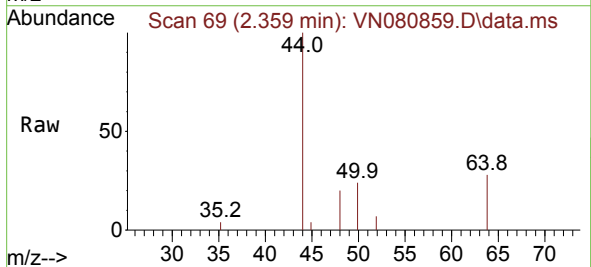
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0201WBL01

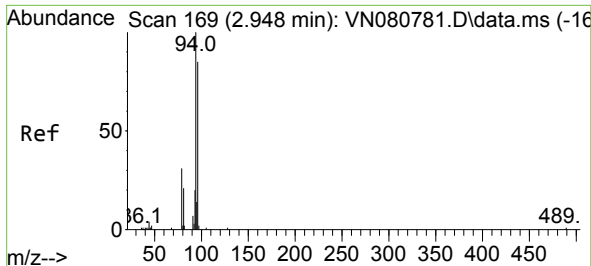
Tgt Ion:168 Resp: 86995  
Ion Ratio Lower Upper  
168 100  
99 62.1 59.9 89.9



#3  
Chloromethane  
Concen: 1.108 ug/l  
RT: 2.359 min Scan# 69  
Delta R.T. 0.000 min  
Lab File: VN080859.D  
Acq: 01 Feb 2024 10:37

Tgt Ion: 50 Resp: 2152  
Ion Ratio Lower Upper  
50 100  
52 28.8 25.0 37.4

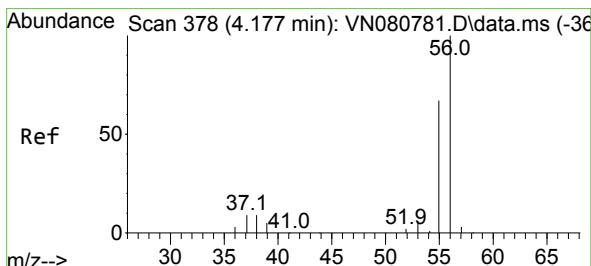
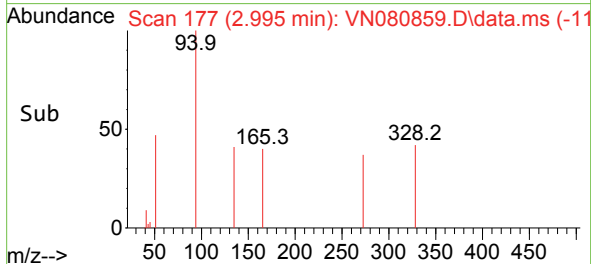
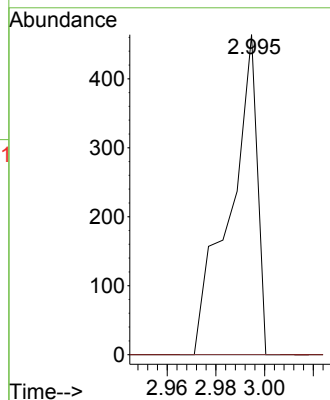
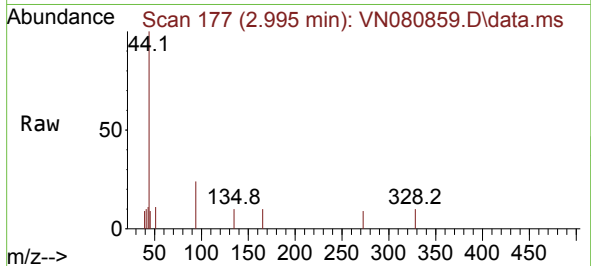




#5  
Bromomethane  
Concen: 0.611 ug/l  
RT: 2.995 min Scan# 11  
Delta R.T. 0.047 min  
Lab File: VN080859.D  
Acq: 01 Feb 2024 10:37

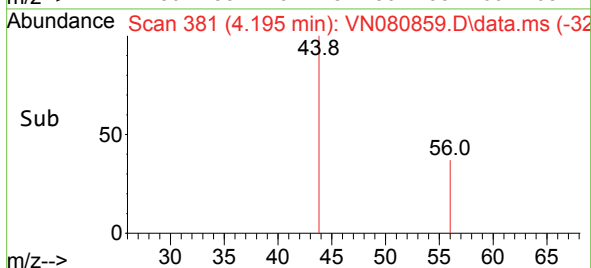
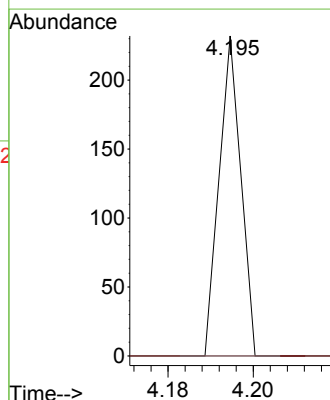
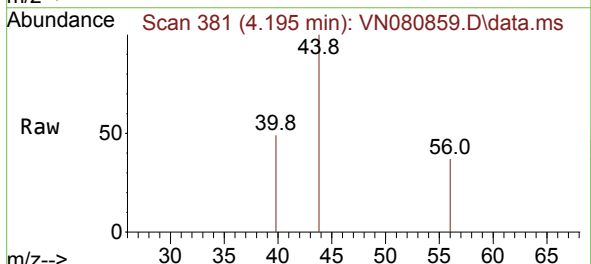
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0201WBL01

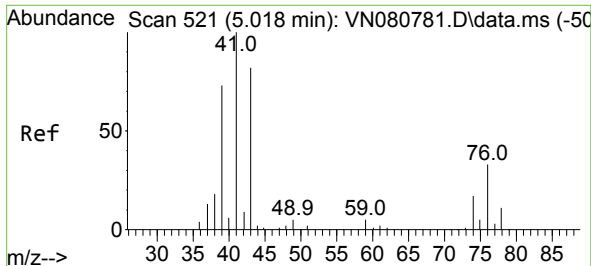
Tgt Ion: 94 Resp: 361  
Ion Ratio Lower Upper  
94 100  
96 0.0 69.2 103.8#



#13  
Acrolein  
Concen: 0.265 ug/l  
RT: 4.195 min Scan# 381  
Delta R.T. 0.018 min  
Lab File: VN080859.D  
Acq: 01 Feb 2024 10:37

Tgt Ion: 56 Resp: 82  
Ion Ratio Lower Upper  
56 100  
55 0.0 55.3 82.9#

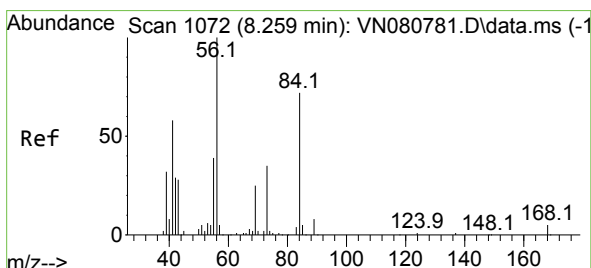
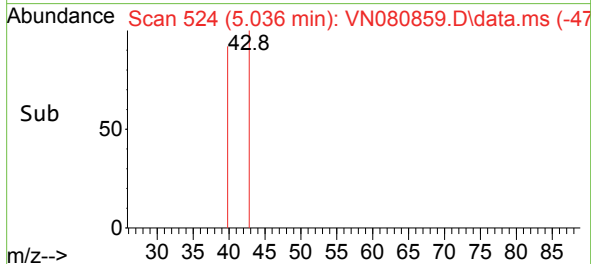
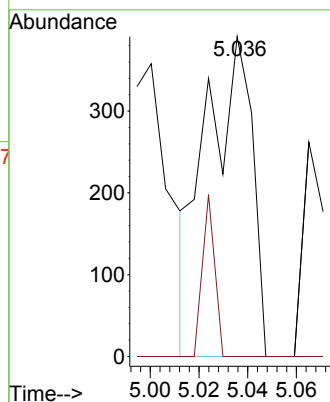
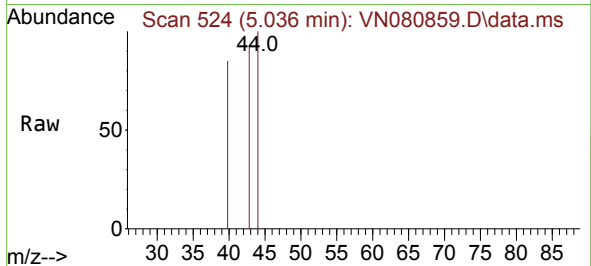




#18  
Methyl Acetate  
Concen: 0.268 ug/l  
RT: 5.036 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: VN080859.D  
Acq: 01 Feb 2024 10:37

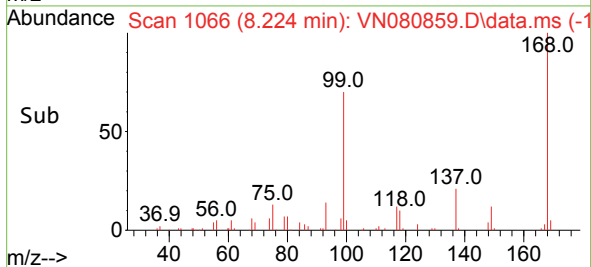
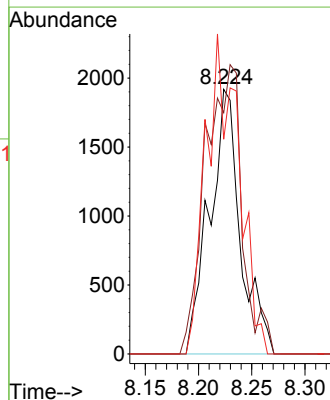
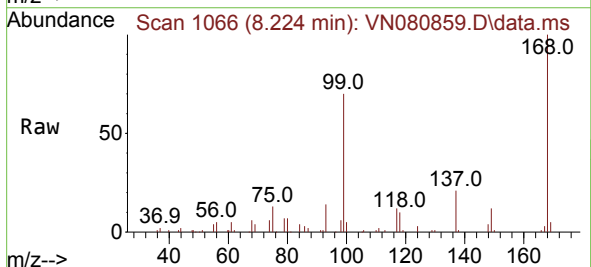
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0201WBL01

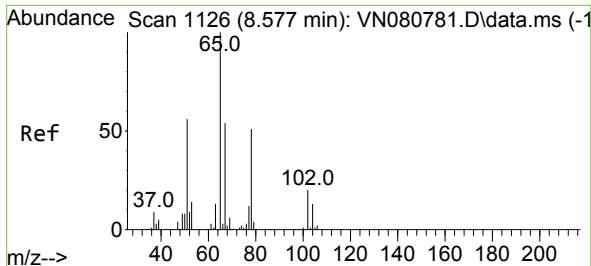
Tgt Ion: 43 Resp: 510  
Ion Ratio Lower Upper  
43 100  
74 13.7 17.3 25.9#



#31  
Cyclohexane  
Concen: 1.501 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.035 min  
Lab File: VN080859.D  
Acq: 01 Feb 2024 10:37

Tgt Ion: 56 Resp: 3874  
Ion Ratio Lower Upper  
56 100  
69 91.1 20.1 30.1#  
84 81.1 56.9 85.3





#33

1,2-Dichloroethane-d4

Concen: 52.139 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080859.D

Acq: 01 Feb 2024 10:37

Instrument :

MSVOA\_N

ClientSampleId :

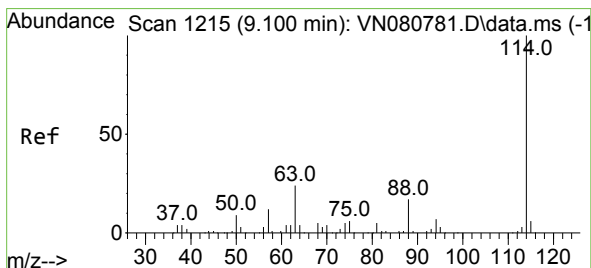
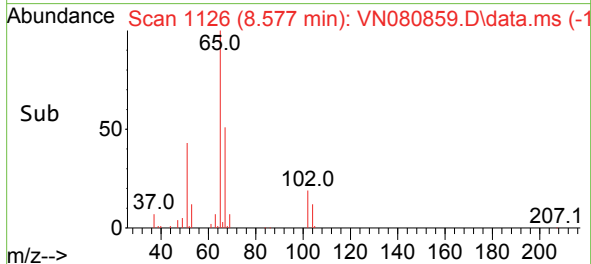
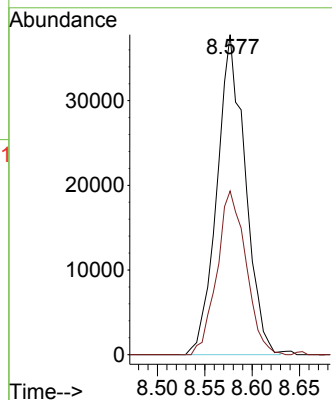
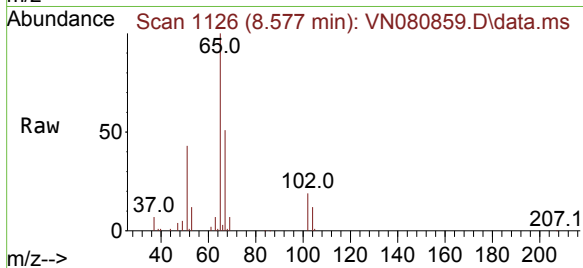
VN0201WBL01

Tgt Ion: 65 Resp: 78469

Ion Ratio Lower Upper

65 100

67 52.4 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN080859.D

Acq: 01 Feb 2024 10:37

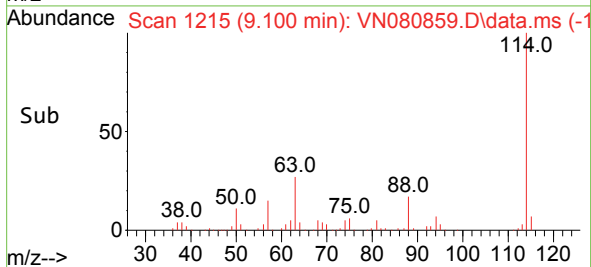
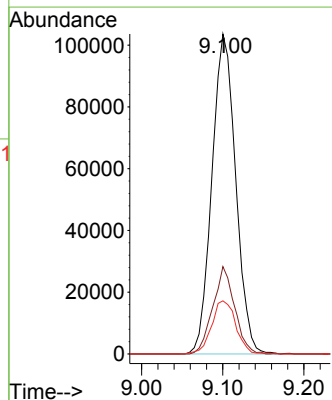
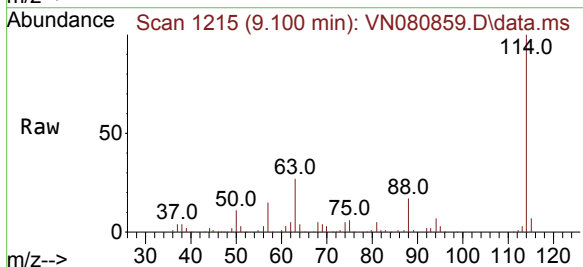
Tgt Ion: 114 Resp: 210734

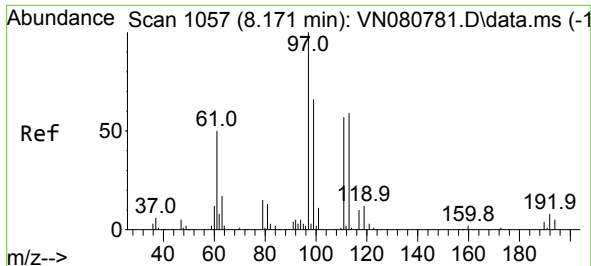
Ion Ratio Lower Upper

114 100

63 27.3 0.0 48.0

88 16.6 0.0 34.8

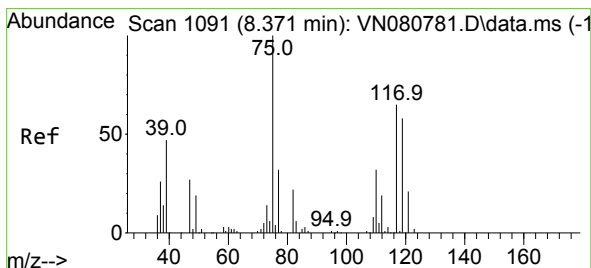
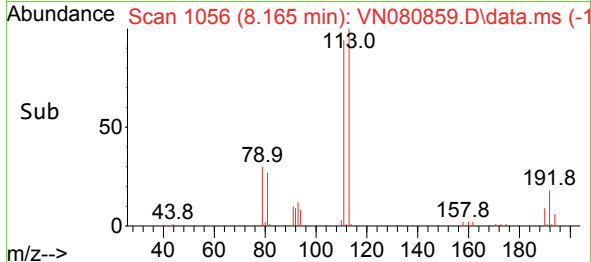
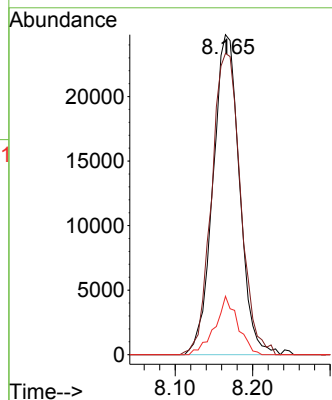
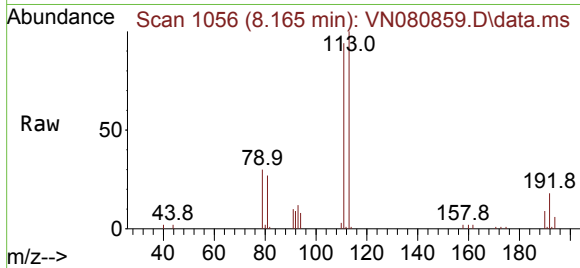




#35  
Dibromofluoromethane  
Concen: 45.825 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.006 min  
Lab File: VN080859.D  
Acq: 01 Feb 2024 10:37

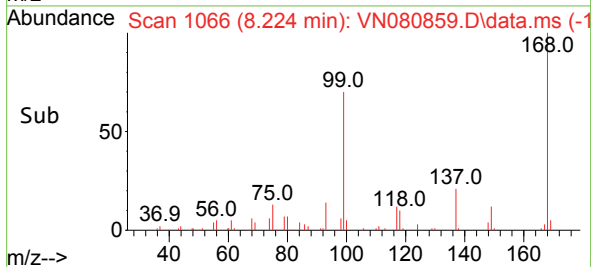
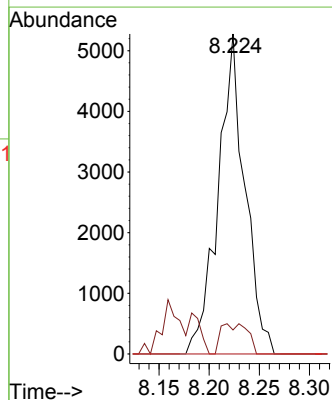
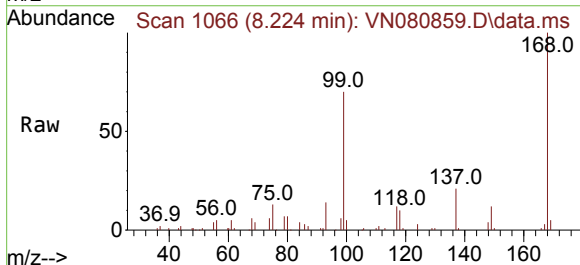
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0201WBL01

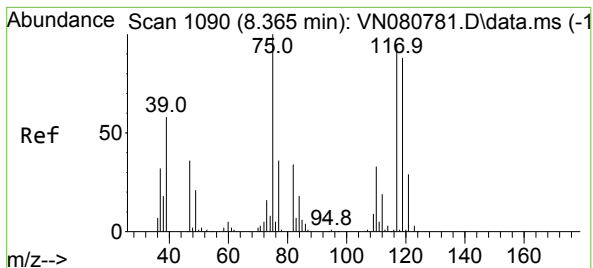
Tgt Ion:113 Resp: 59081  
Ion Ratio Lower Upper  
113 100  
111 102.3 82.2 123.4  
192 15.8 12.5 18.7



#36  
1,1-Dichloropropene  
Concen: 4.085 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.147 min  
Lab File: VN080859.D  
Acq: 01 Feb 2024 10:37

Tgt Ion: 75 Resp: 9788  
Ion Ratio Lower Upper  
75 100  
110 9.4 16.0 48.0#  
77 0.0 25.8 38.6#





#38

Carbon Tetrachloride

Concen: 5.437 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN080859.D

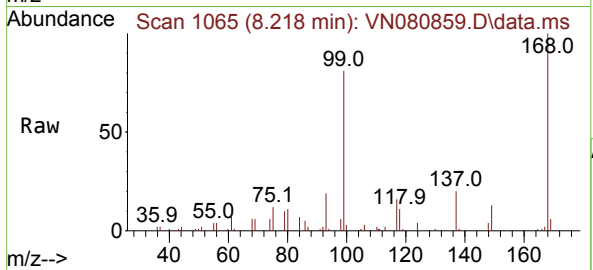
Acq: 01 Feb 2024 10:37

Instrument :

MSVOA\_N

ClientSampleId :

VN0201WBL01



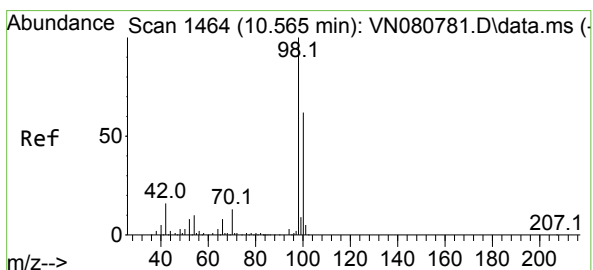
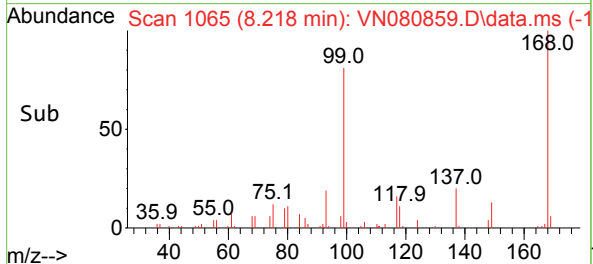
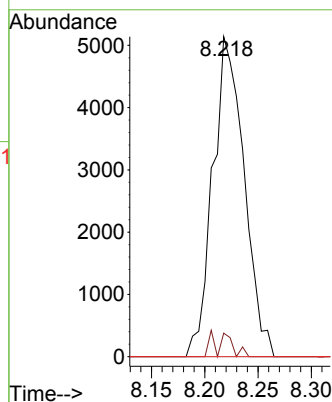
Tgt Ion:117 Resp: 10498

Ion Ratio Lower Upper

117 100

119 7.4 73.4 110.2#

121 0.0 24.4 36.6#



#50

Toluene-d8

Concen: 48.218 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN080859.D

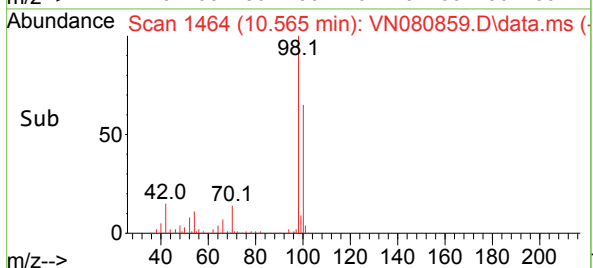
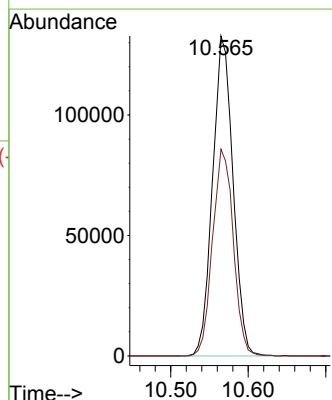
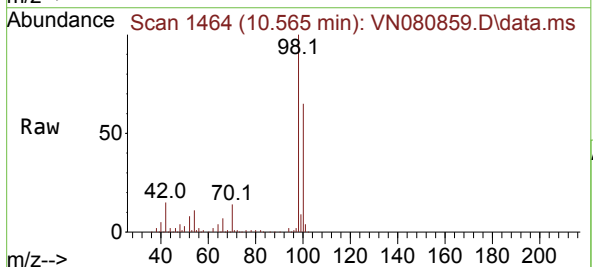
Acq: 01 Feb 2024 10:37

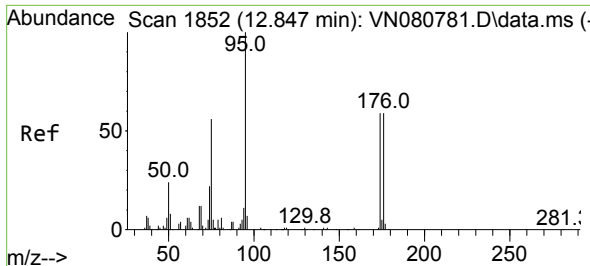
Tgt Ion: 98 Resp: 243316

Ion Ratio Lower Upper

98 100

100 65.4 51.4 77.0

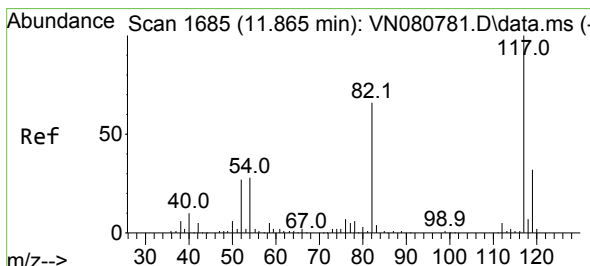
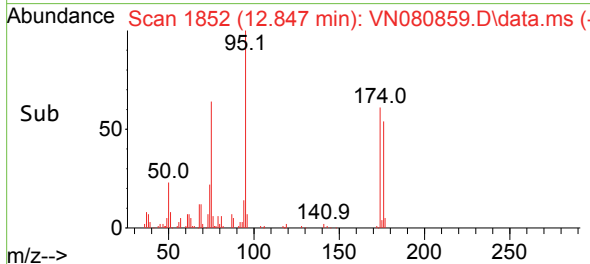
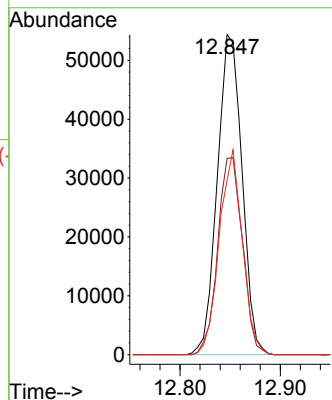
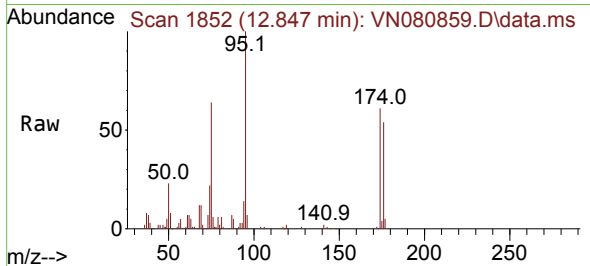




#62  
4-Bromofluorobenzene  
Concen: 53.032 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN080859.D  
Acq: 01 Feb 2024 10:37

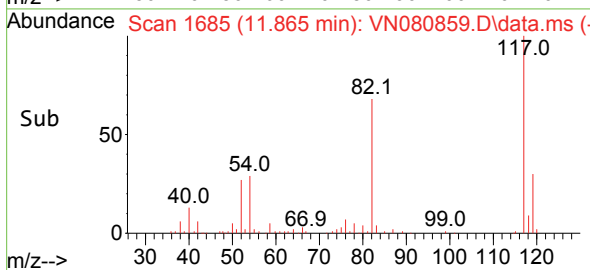
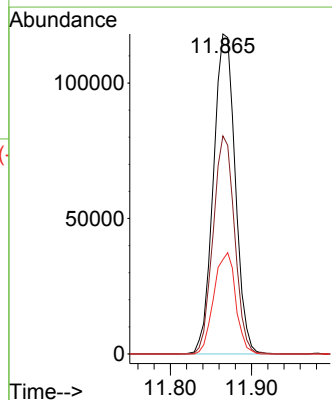
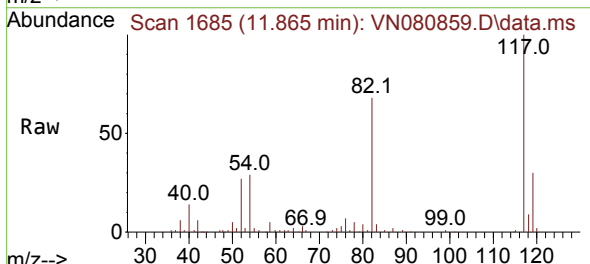
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0201WBL01

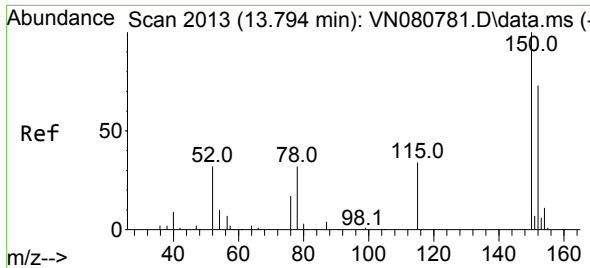
Tgt Ion: 95 Resp: 93254  
Ion Ratio Lower Upper  
95 100  
174 61.6 0.0 120.4  
176 59.8 0.0 121.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VN080859.D  
Acq: 01 Feb 2024 10:37

Tgt Ion: 117 Resp: 220769  
Ion Ratio Lower Upper  
117 100  
82 68.1 52.7 79.1  
119 29.5 25.3 37.9

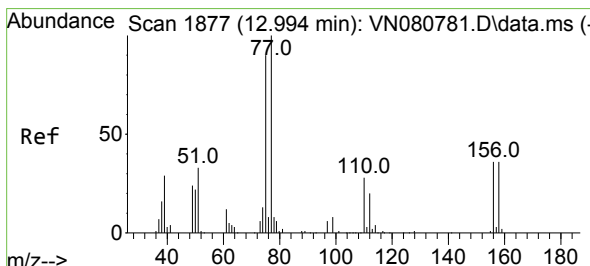
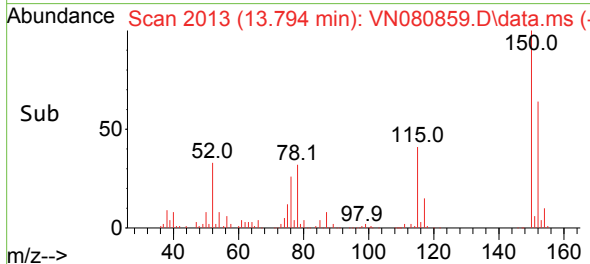
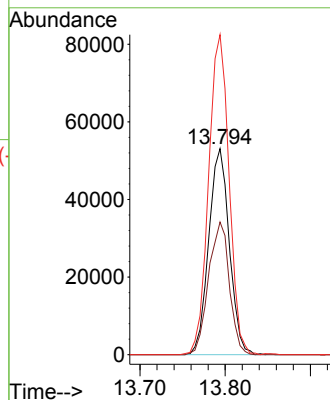
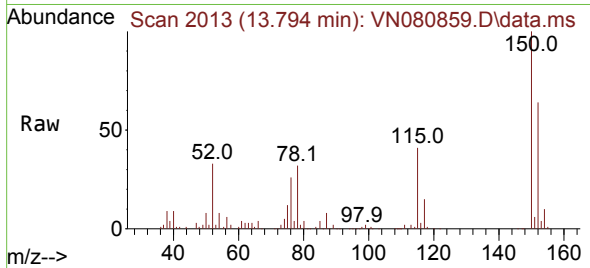




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 2013  
 Delta R.T. 0.000 min  
 Lab File: VN080859.D  
 Acq: 01 Feb 2024 10:37

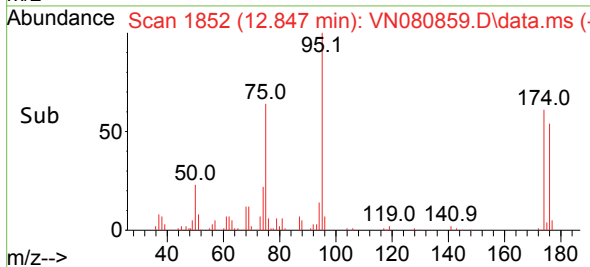
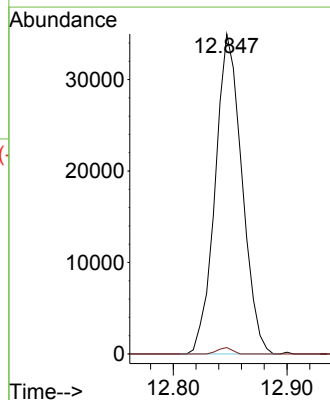
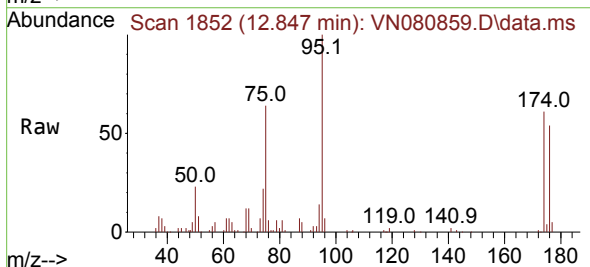
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0201WBL01

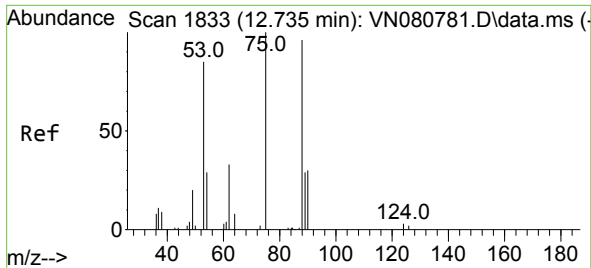
Tgt Ion:152 Resp: 89086  
 Ion Ratio Lower Upper  
 152 100  
 115 64.9 32.3 96.8  
 150 154.1 0.0 339.8



#76  
 1,2,3-Trichloropropane  
 Concen: 21.328 ug/l  
 RT: 12.847 min Scan# 1852  
 Delta R.T. -0.147 min  
 Lab File: VN080859.D  
 Acq: 01 Feb 2024 10:37

Tgt Ion: 75 Resp: 57306  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 91.0 272.8#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 54.946 ug/l  
RT: 12.847 min Scan# 11  
Delta R.T. 0.112 min  
Lab File: VN080859.D  
Acq: 01 Feb 2024 10:37

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0201WBL01

Tgt Ion: 75 Resp: 57306  
Ion Ratio Lower Upper  
75 100  
53 0.0 71.4 107.2#  
89 0.0 33.4 50.0#

