

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN052124\  
 Data File : VN082231.D  
 Acq On : 21 May 2024 11:10  
 Operator : JC\MD  
 Sample : VN0521WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0521WBL01

Quant Time: May 22 01:23:14 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051524W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 16 05:21:06 2024  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                         |                |      |                     |        |        |          |
| Internal Standards            |                |      |                     |        |        |          |
| 1) Pentafluorobenzene         | 8.229          | 168  | 190994              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.106          | 114  | 330740              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.865         | 117  | 304351              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794         | 152  | 126969              | 50.000 | ug/l   | 0.00     |
|                               |                |      |                     |        |        |          |
| System Monitoring Compounds   |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.582          | 65   | 151157              | 50.121 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = 100.240% |        |        |          |
| 35) Dibromofluoromethane      | 8.165          | 113  | 107953              | 53.060 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 106.120% |        |        |          |
| 50) Toluene-d8                | 10.565         | 98   | 423032              | 54.232 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = 108.460% |        |        |          |
| 62) 4-Bromofluorobenzene      | 12.847         | 95   | 138833              | 49.866 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 64 - 133 |      | Recovery = 99.740%  |        |        |          |
|                               |                |      |                     |        |        |          |
| Target Compounds              |                |      |                     |        |        |          |
|                               |                |      |                     |        | Qvalue |          |
| 5) Bromomethane               | 2.977          | 94   | 858                 | 0.509  | ug/l # | 48       |
| 13) Acrolein                  | 4.183          | 56   | 79                  | 0.220  | ug/l # | 15       |
| 31) Cyclohexane               | 8.224          | 56   | 5806                | 1.205  | ug/l # | 42       |
| 36) 1,1-Dichloropropene       | 8.224          | 75   | 18289               | 5.360  | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 8.224          | 117  | 20425               | 5.905  | ug/l # | 16       |
| 43) Isopropyl Acetate         | 8.700          | 43   | 6479                | 0.958  | ug/l # | 52       |
| 51) 4-Methyl-2-Pentanone      | 10.565         | 43   | 2414                | 0.628  | ug/l # | 1        |
| 71) Bromoform                 | 12.582         | 173  | 64                  | 0.737  | ug/l # | 28       |
| 76) 1,2,3-Trichloropropane    | 12.847         | 75   | 79094               | 29.597 | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.847         | 75   | 79094               | 69.225 | ug/l # | 12       |
| -----                         |                |      |                     |        |        |          |

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

Quant Time: May 22 01:23:14 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051524W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 16 05:21:06 2024  
Response via : Initial Calibration

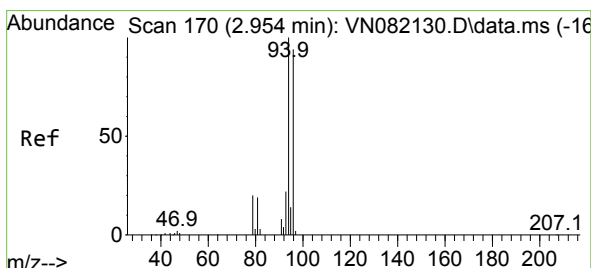
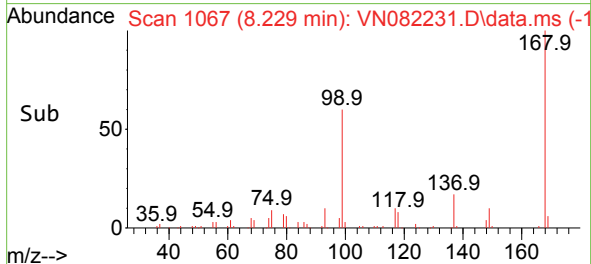
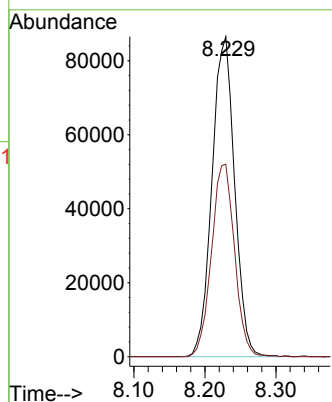
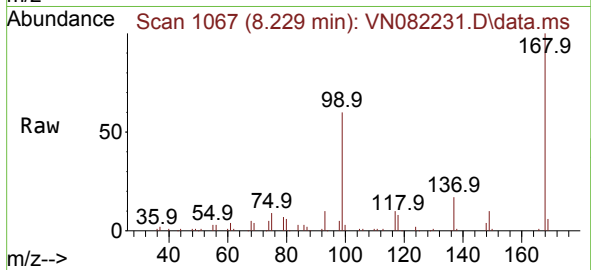




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.229 min Scan# 1066  
Delta R.T. 0.005 min  
Lab File: VN082231.D  
Acq: 21 May 2024 11:10

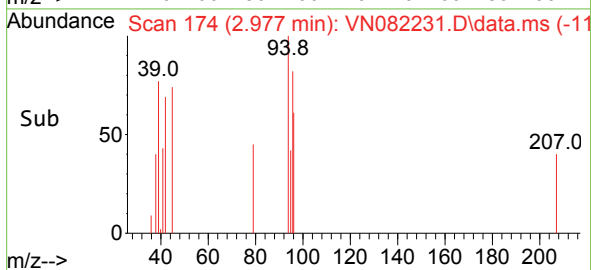
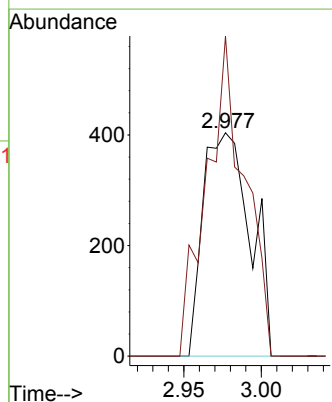
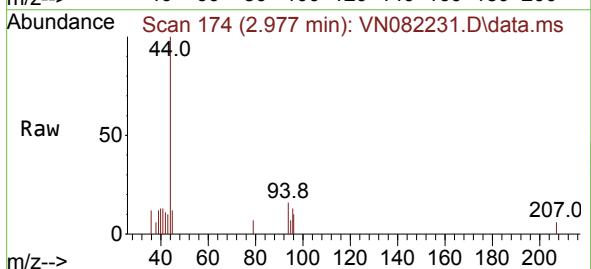
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0521WBL01

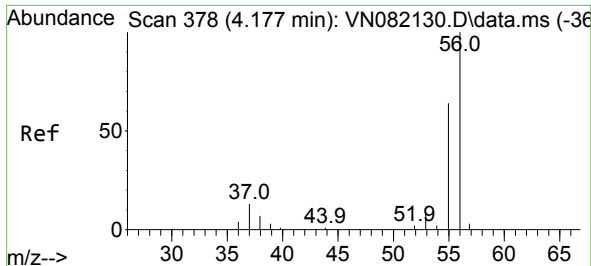
Tgt Ion:168 Resp: 190994  
Ion Ratio Lower Upper  
168 100  
99 60.1 48.2 72.4



#5  
Bromomethane  
Concen: 0.509 ug/l  
RT: 2.977 min Scan# 174  
Delta R.T. 0.023 min  
Lab File: VN082231.D  
Acq: 21 May 2024 11:10

Tgt Ion: 94 Resp: 858  
Ion Ratio Lower Upper  
94 100  
96 143.3 74.8 112.2#

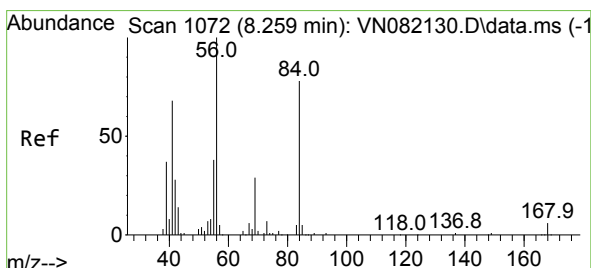
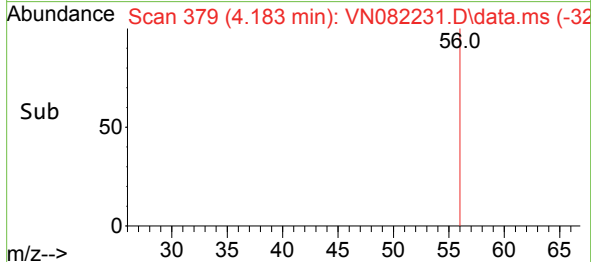
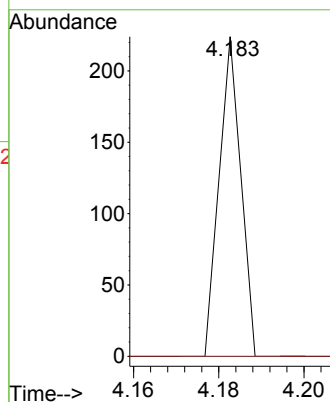
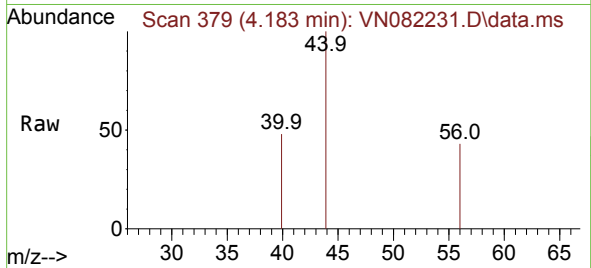




#13  
Acrolein  
Concen: 0.220 ug/l  
RT: 4.183 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VN082231.D  
Acq: 21 May 2024 11:10

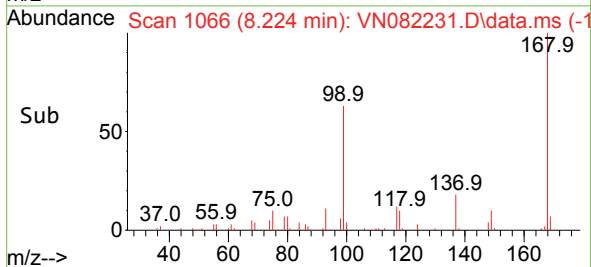
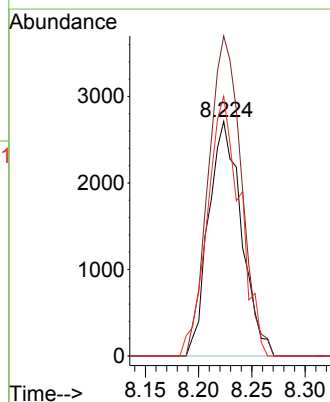
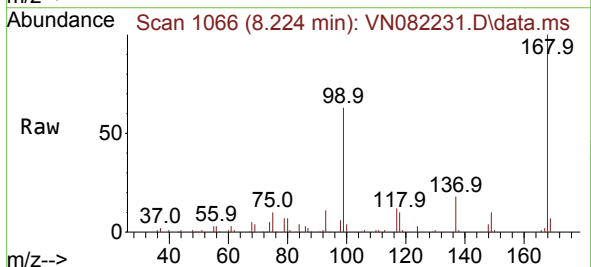
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0521WBL01

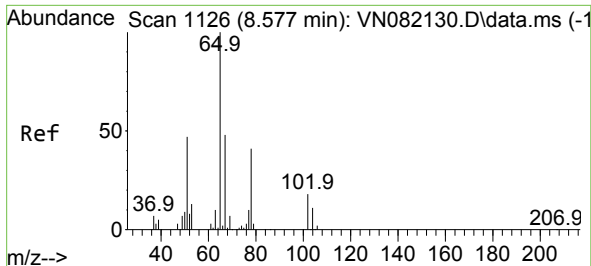
Tgt Ion: 56 Resp: 79  
Ion Ratio Lower Upper  
56 100  
55 0.0 55.8 83.8#



#31  
Cyclohexane  
Concen: 1.205 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.035 min  
Lab File: VN082231.D  
Acq: 21 May 2024 11:10

Tgt Ion: 56 Resp: 5806  
Ion Ratio Lower Upper  
56 100  
69 136.5 24.4 36.6#  
84 110.8 77.0 115.4





#33

1,2-Dichloroethane-d4

Concen: 50.121 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082231.D

Acq: 21 May 2024 11:10

Instrument :

MSVOA\_N

ClientSampleId :

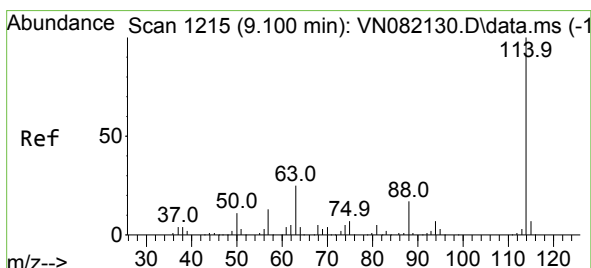
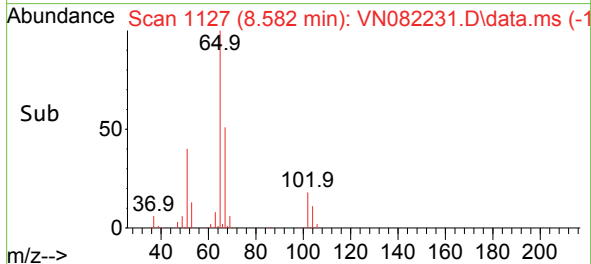
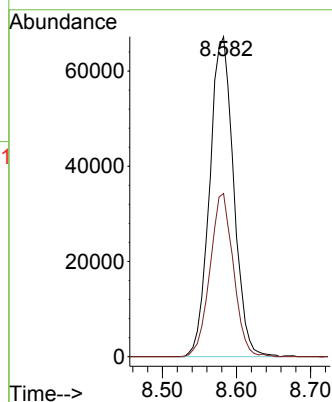
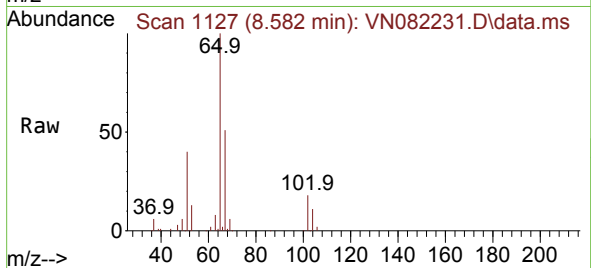
VN0521WBL01

Tgt Ion: 65 Resp: 151157

Ion Ratio Lower Upper

65 100

67 49.9 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN082231.D

Acq: 21 May 2024 11:10

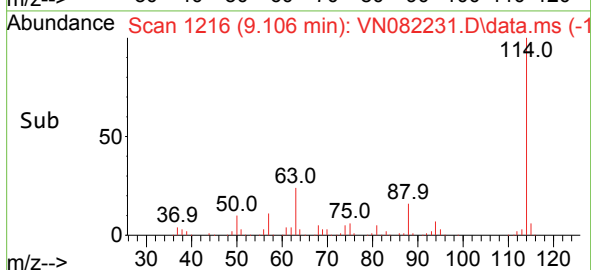
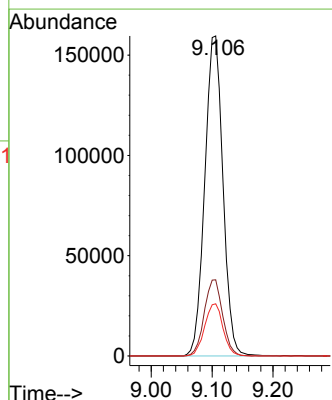
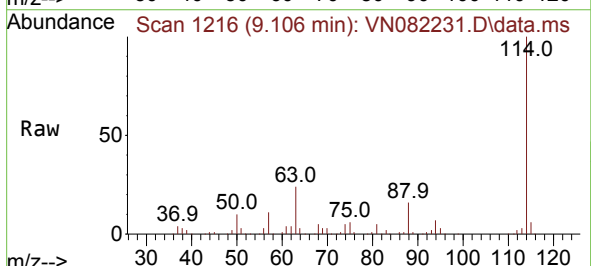
Tgt Ion: 114 Resp: 330740

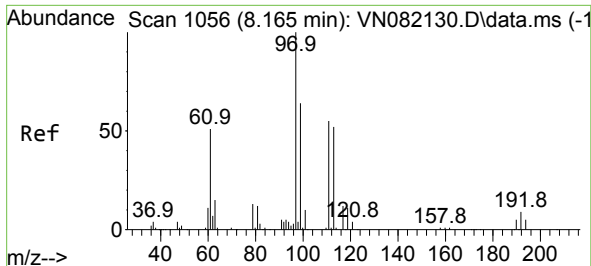
Ion Ratio Lower Upper

114 100

63 23.8 0.0 41.0

88 16.3 0.0 31.4

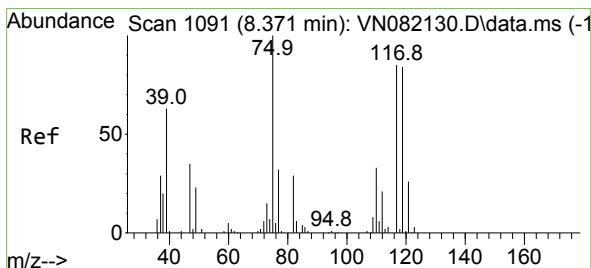
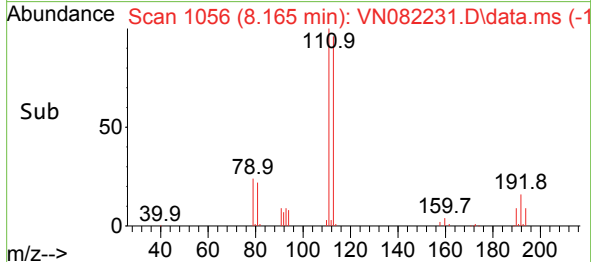
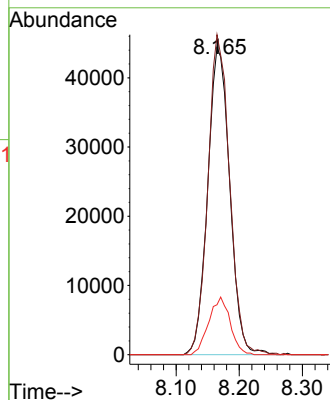
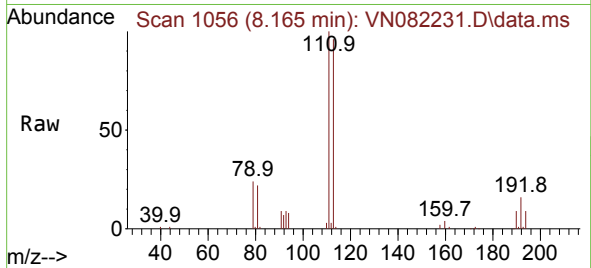




#35  
Dibromofluoromethane  
Concen: 53.060 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VN082231.D  
Acq: 21 May 2024 11:10

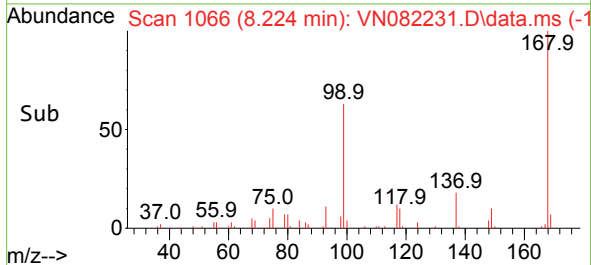
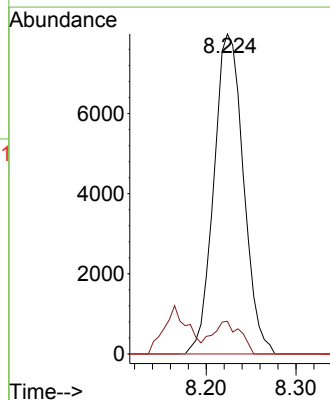
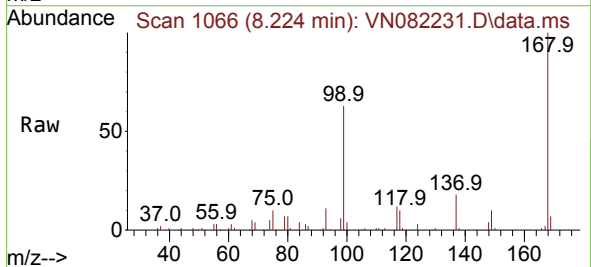
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0521WBL01

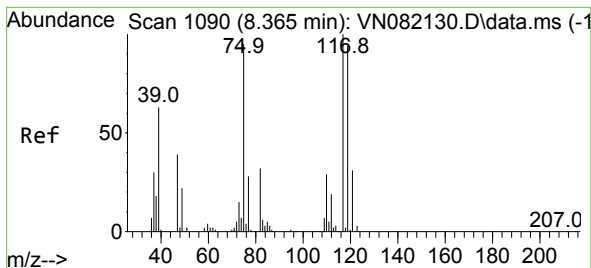
Tgt Ion:113 Resp: 107953  
Ion Ratio Lower Upper  
113 100  
111 102.5 83.4 125.2  
192 18.2 14.0 21.0



#36  
1,1-Dichloropropene  
Concen: 5.360 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.147 min  
Lab File: VN082231.D  
Acq: 21 May 2024 11:10

Tgt Ion: 75 Resp: 18289  
Ion Ratio Lower Upper  
75 100  
110 9.7 17.8 53.5#  
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.905 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN082231.D

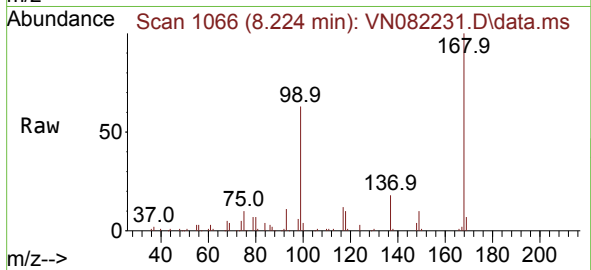
Acq: 21 May 2024 11:10

Instrument :

MSVOA\_N

ClientSampleId :

VN0521WBL01



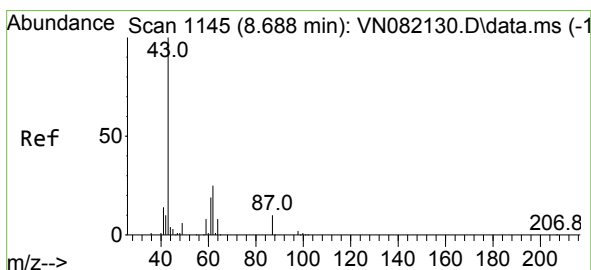
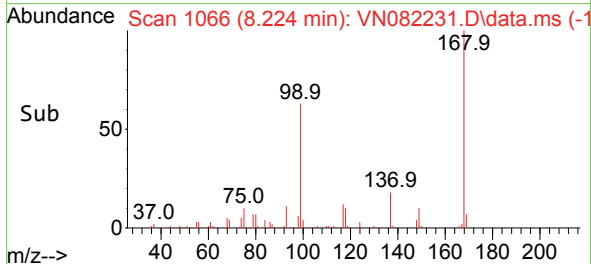
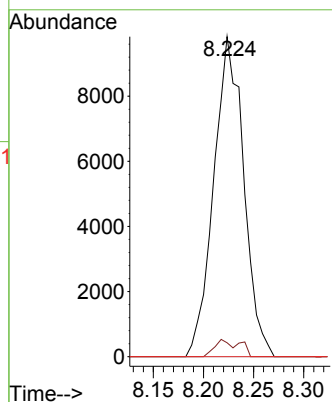
Tgt Ion:117 Resp: 20425

Ion Ratio Lower Upper

117 100

119 4.3 76.5 114.7#

121 0.0 23.9 35.9#



#43

Isopropyl Acetate

Concen: 0.958 ug/l

RT: 8.700 min Scan# 1147

Delta R.T. 0.012 min

Lab File: VN082231.D

Acq: 21 May 2024 11:10

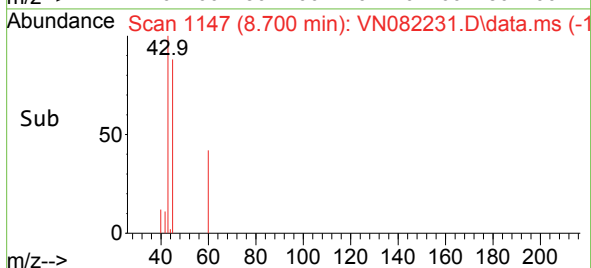
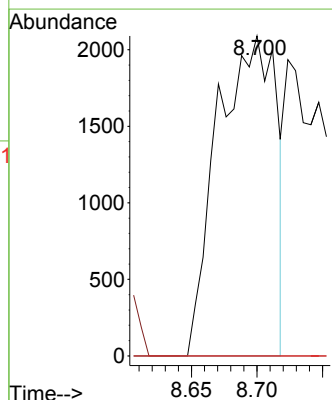
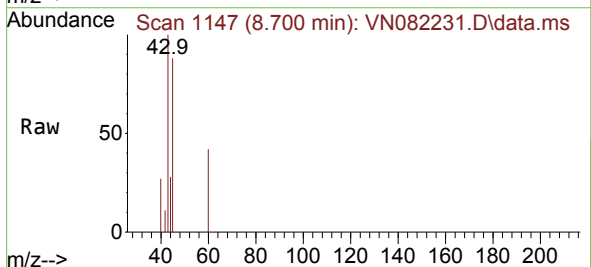
Tgt Ion: 43 Resp: 6479

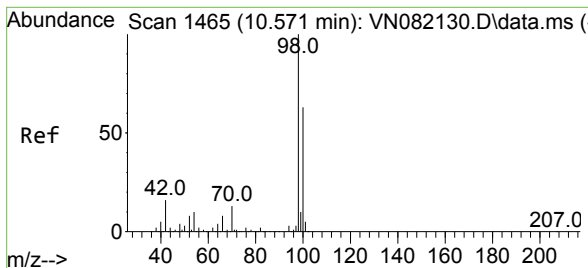
Ion Ratio Lower Upper

43 100

61 0.0 22.8 34.2#

87 0.0 12.0 18.0#

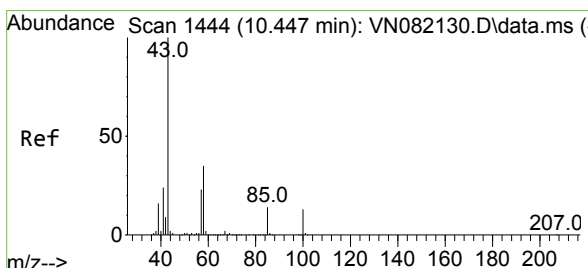
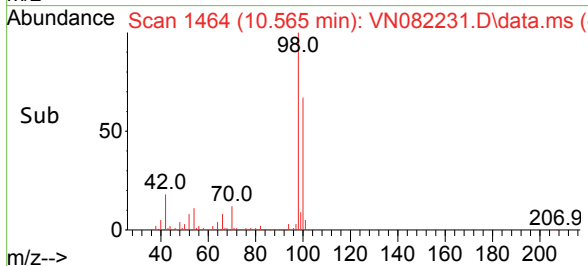
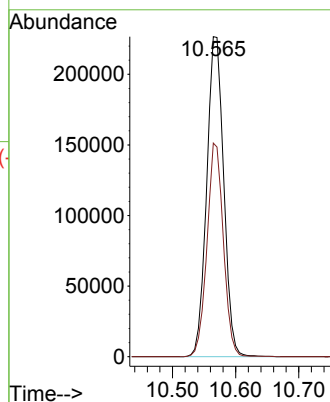
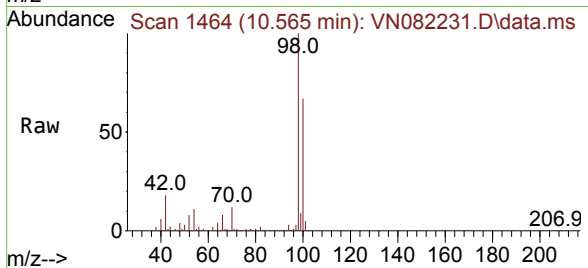




#50  
Toluene-d8  
Concen: 54.232 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.006 min  
Lab File: VN082231.D  
Acq: 21 May 2024 11:10

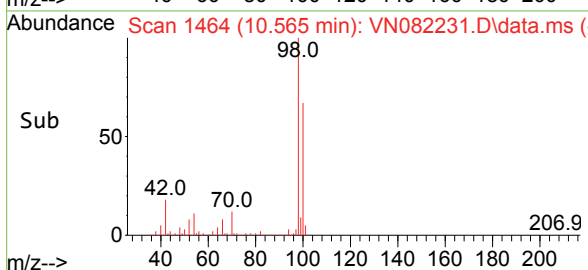
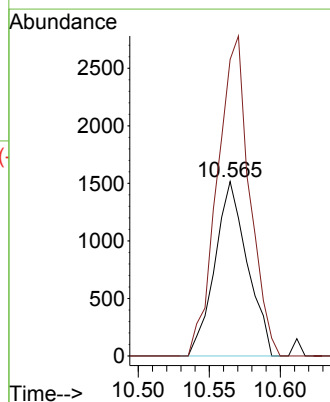
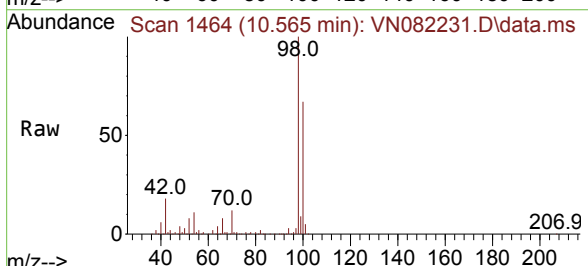
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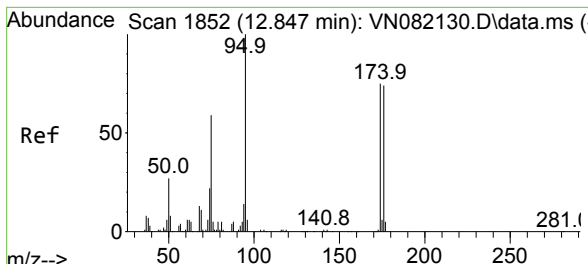
Tgt Ion: 98 Resp: 423032  
Ion Ratio Lower Upper  
98 100  
100 64.3 51.8 77.6



#51  
4-Methyl-2-Pentanone  
Concen: 0.628 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.117 min  
Lab File: VN082231.D  
Acq: 21 May 2024 11:10

Tgt Ion: 43 Resp: 2414  
Ion Ratio Lower Upper  
43 100  
58 182.6 33.2 49.8#

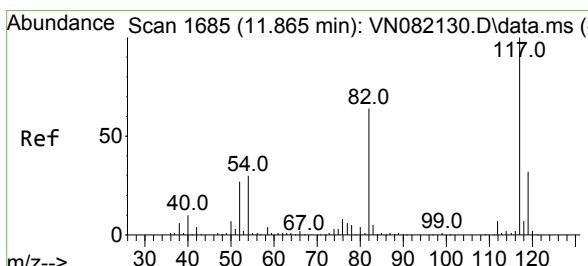
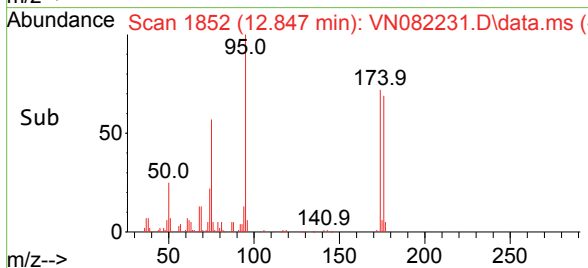
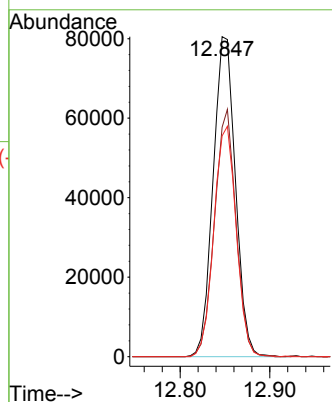
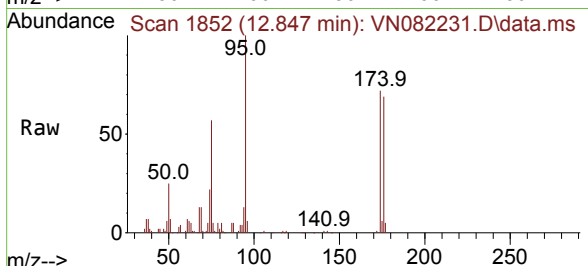




#62  
 4-Bromofluorobenzene  
 Concen: 49.866 ug/l  
 RT: 12.847 min Scan# 1852  
 Delta R.T. -0.000 min  
 Lab File: VN082231.D  
 Acq: 21 May 2024 11:10

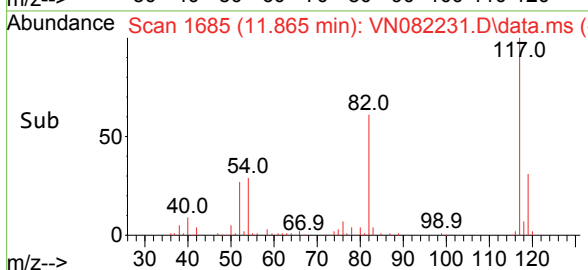
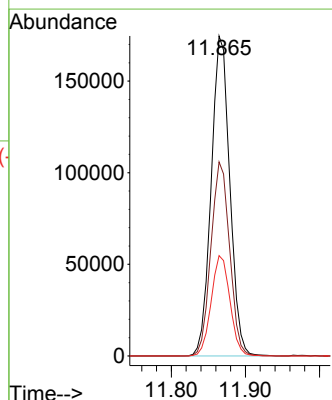
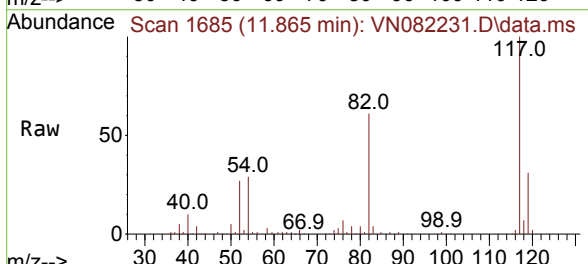
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0521WBL01

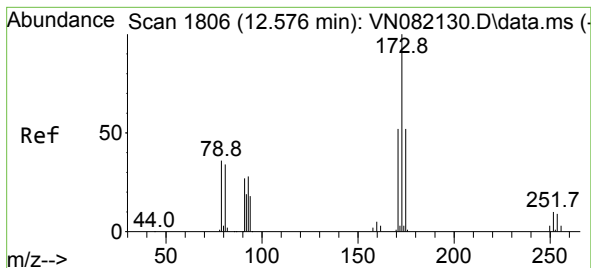
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 138833 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 174      | 74.7  | 0.0   | 160.6  |
| 176      | 72.2  | 0.0   | 152.8  |



#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.865 min Scan# 1685  
 Delta R.T. -0.000 min  
 Lab File: VN082231.D  
 Acq: 21 May 2024 11:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 304351 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 60.6  | 44.6  | 66.8   |
| 119      | 31.3  | 25.9  | 38.9   |





#71

Bromoform

Concen: 0.737 ug/l

RT: 12.582 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN082231.D

Acq: 21 May 2024 11:10

Instrument :

MSVOA\_N

ClientSampleId :

VN0521WBL01

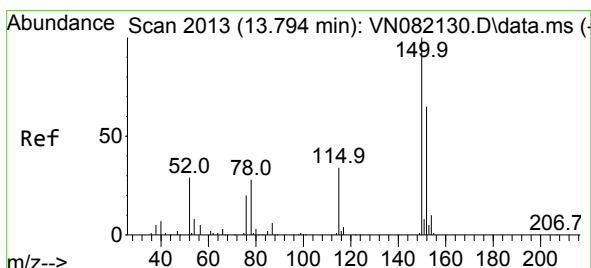
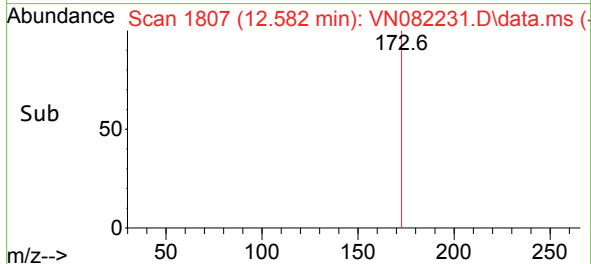
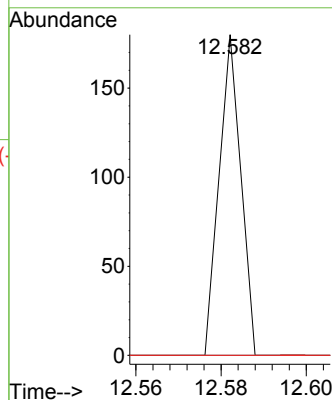
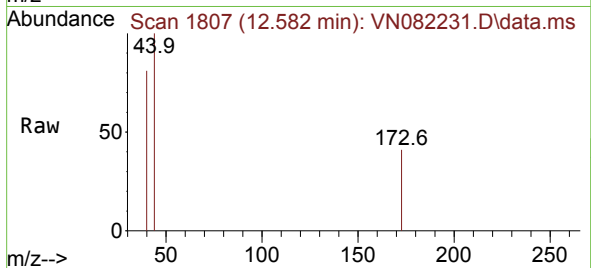
Tgt Ion:173 Resp: 64

Ion Ratio Lower Upper

173 100

175 0.0 24.6 74.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN082231.D

Acq: 21 May 2024 11:10

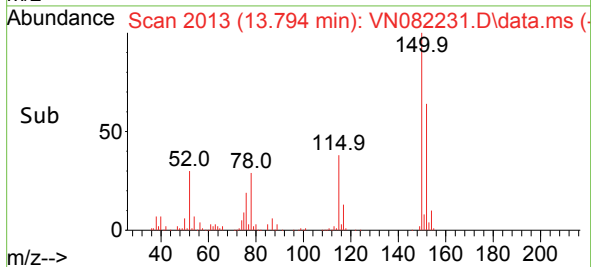
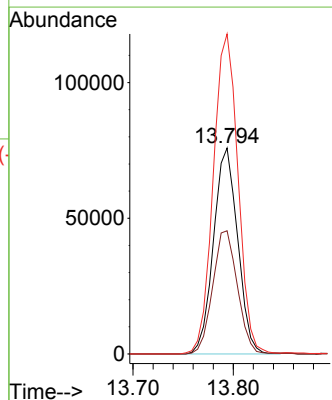
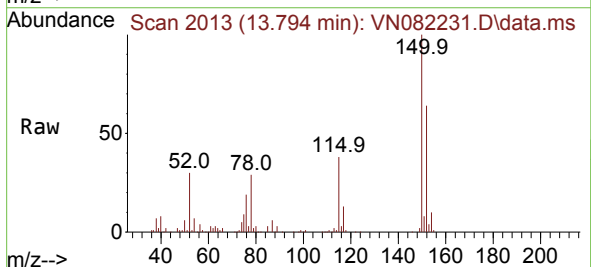
Tgt Ion:152 Resp: 126969

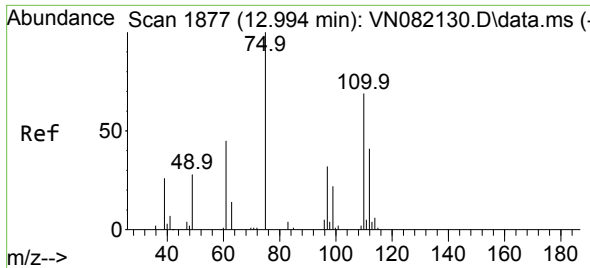
Ion Ratio Lower Upper

152 100

115 61.3 30.4 91.3

150 158.7 0.0 353.2

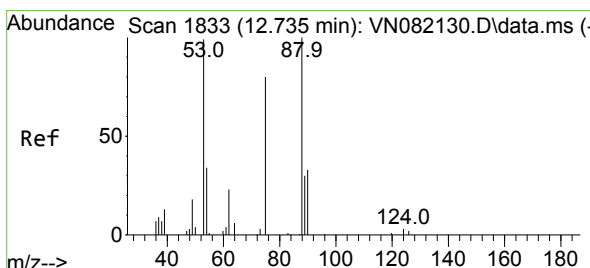
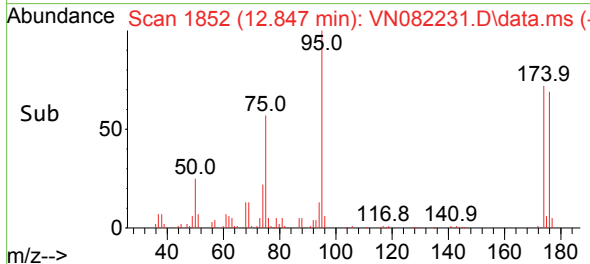
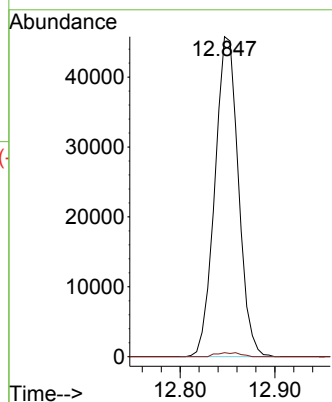
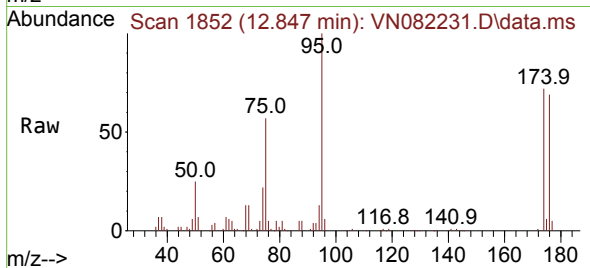




#76  
1,2,3-Trichloropropane  
Concen: 29.597 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.147 min  
Lab File: VN082231.D  
Acq: 21 May 2024 11:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0521WBL01

Tgt Ion: 75 Resp: 79094  
Ion Ratio Lower Upper  
75 100  
77 1.3 90.5 271.3#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 69.225 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.112 min  
Lab File: VN082231.D  
Acq: 21 May 2024 11:10

Tgt Ion: 75 Resp: 79094  
Ion Ratio Lower Upper  
75 100  
53 0.0 72.9 109.3#  
89 0.0 39.1 58.7#

