

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061424\  
 Data File : VN082578.D  
 Acq On : 14 Jun 2024 13:13  
 Operator : JC\MD  
 Sample : P2891-01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Jun 14 23:45:10 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

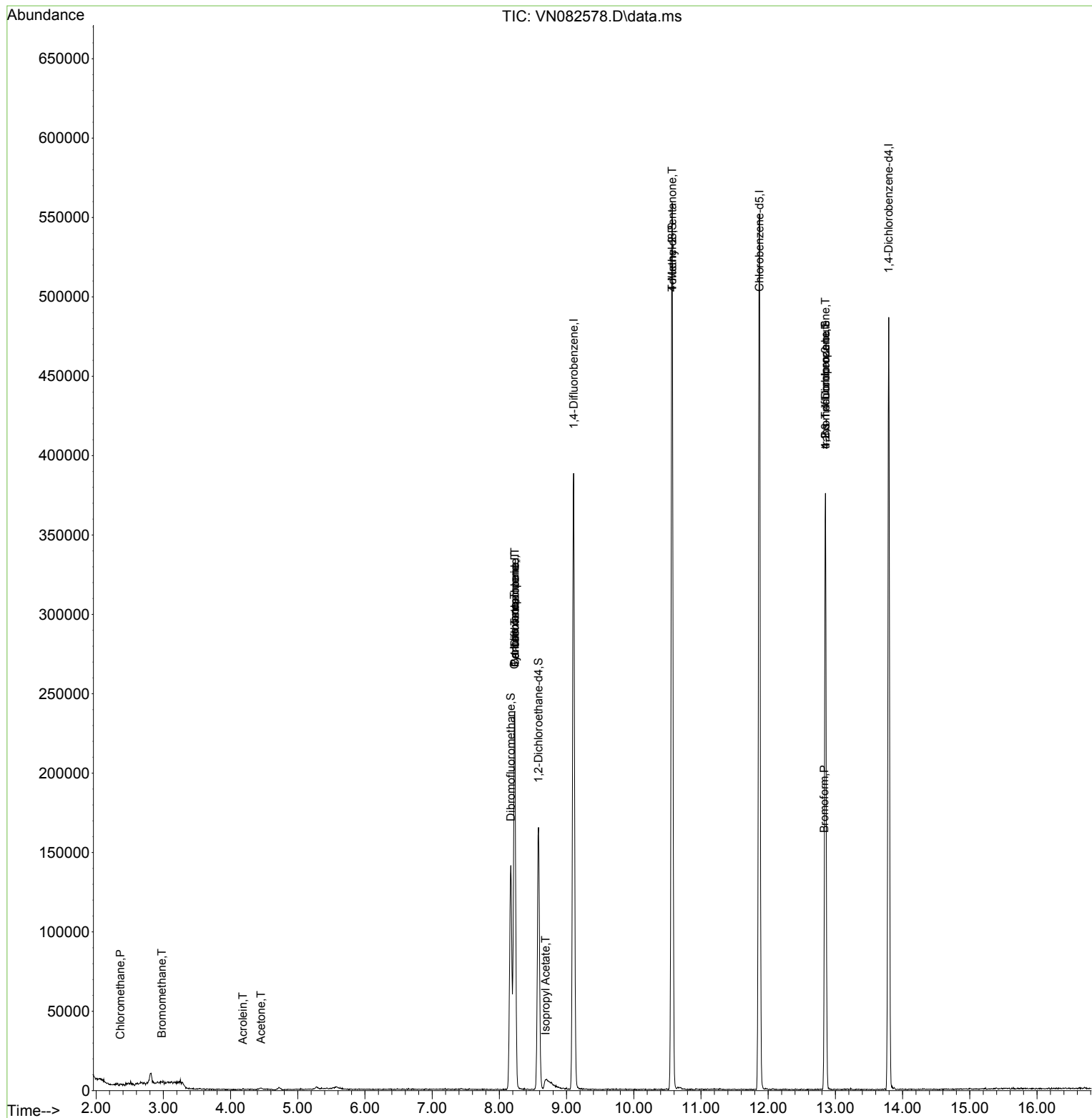
| Compound                      | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                         |                |      |                     |        |        |          |
| Internal Standards            |                |      |                     |        |        |          |
| 1) Pentafluorobenzene         | 8.230          | 168  | 166246              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.106          | 114  | 312720              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.871         | 117  | 296051              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794         | 152  | 123161              | 50.000 | ug/l   | 0.00     |
|                               |                |      |                     |        |        |          |
| System Monitoring Compounds   |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.582          | 65   | 136242              | 51.900 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = 103.800% |        |        |          |
| 35) Dibromofluoromethane      | 8.171          | 113  | 98823               | 51.371 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 102.740% |        |        |          |
| 50) Toluene-d8                | 10.571         | 98   | 363358              | 49.267 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = 98.540%  |        |        |          |
| 62) 4-Bromofluorobenzene      | 12.853         | 95   | 120382              | 45.730 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 64 - 133 |      | Recovery = 91.460%  |        |        |          |
|                               |                |      |                     |        |        |          |
| Target Compounds              |                |      | Qvalue              |        |        |          |
| 3) Chloromethane              | 2.359          | 50   | 863                 | 0.318  | ug/l # | 88       |
| 5) Bromomethane               | 2.977          | 94   | 760                 | 0.518  | ug/l # | 78       |
| 13) Acrolein                  | 4.183          | 56   | 110                 | 0.352  | ug/l # | 15       |
| 16) Acetone                   | 4.453          | 43   | 1637                | 1.520  | ug/l # | 43       |
| 31) Cyclohexane               | 8.224          | 56   | 5034                | 1.201  | ug/l # | 42       |
| 36) 1,1-Dichloropropene       | 8.230          | 75   | 15946               | 4.942  | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 8.230          | 117  | 18534               | 5.667  | ug/l # | 16       |
| 43) Isopropyl Acetate         | 8.688          | 43   | 3708                | 0.580  | ug/l # | 52       |
| 51) 4-Methyl-2-Pentanone      | 10.571         | 43   | 2350                | 0.646  | ug/l # | 1        |
| 71) Bromoform                 | 12.835         | 173  | 176                 | 0.802  | ug/l # | 28       |
| 76) 1,2,3-Trichloropropane    | 12.853         | 75   | 69725               | 26.897 | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.853         | 75   | 69725               | 62.912 | ug/l # | 12       |
| -----                         |                |      |                     |        |        |          |

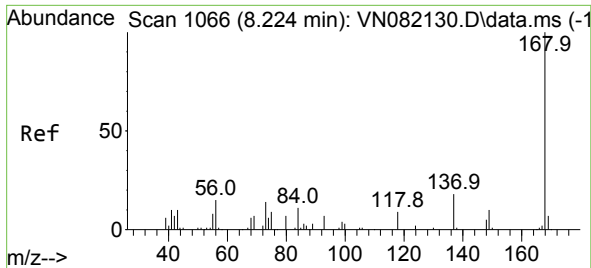
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061424\  
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Sample : P2891-01  
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ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Jun 14 23:45:10 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

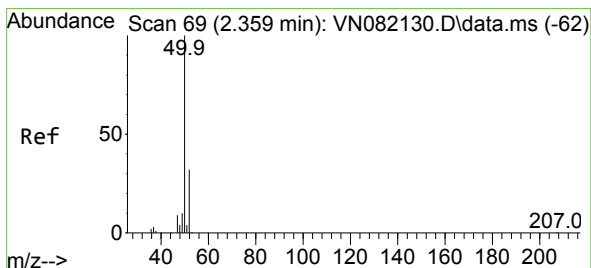
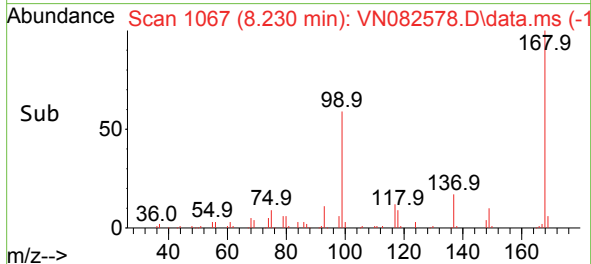
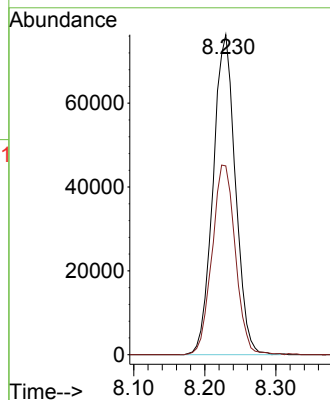
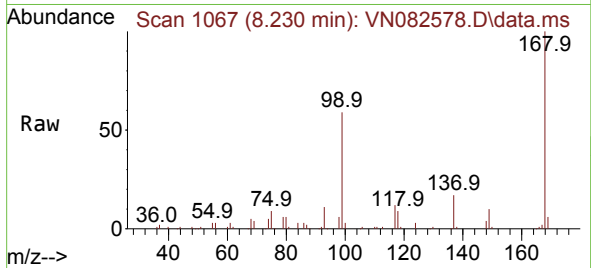




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 10  
Delta R.T. 0.006 min  
Lab File: VN082578.D  
Acq: 14 Jun 2024 13:13

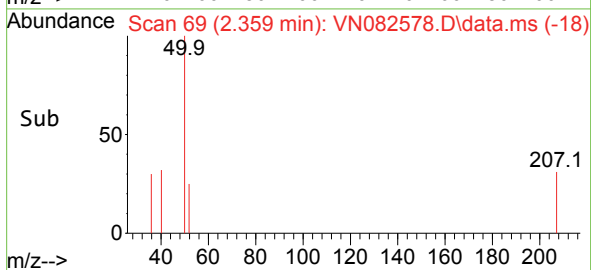
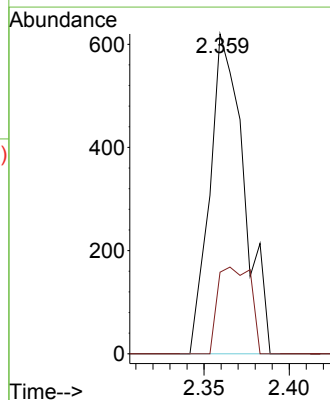
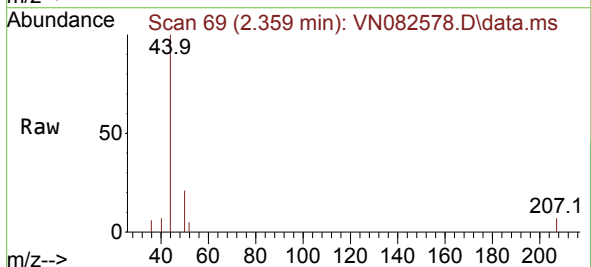
Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion:168 Resp: 166246  
Ion Ratio Lower Upper  
168 100  
99 59.0 48.2 72.4



#3  
Chloromethane  
Concen: 0.318 ug/l  
RT: 2.359 min Scan# 69  
Delta R.T. -0.000 min  
Lab File: VN082578.D  
Acq: 14 Jun 2024 13:13

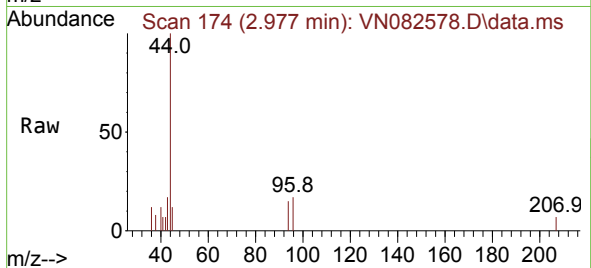
Tgt Ion: 50 Resp: 863  
Ion Ratio Lower Upper  
50 100  
52 25.5 25.5 38.3#



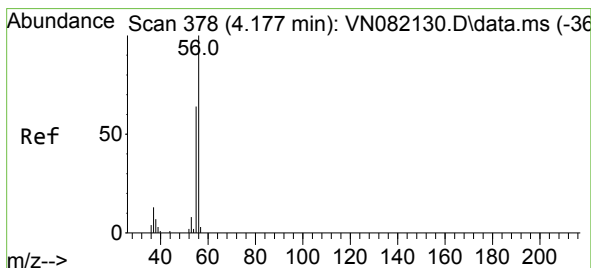
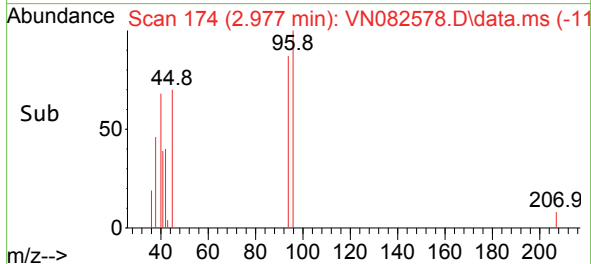
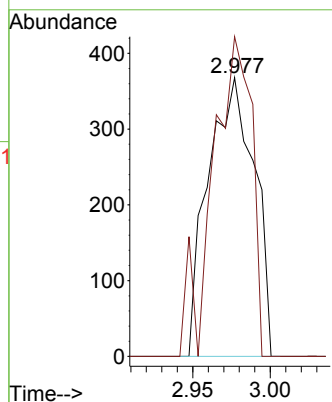


#5  
Bromomethane  
Concen: 0.518 ug/l  
RT: 2.977 min Scan# 11  
Delta R.T. 0.023 min  
Lab File: VN082578.D  
Acq: 14 Jun 2024 13:13

Instrument :  
MSVOA\_N  
ClientSampleId :

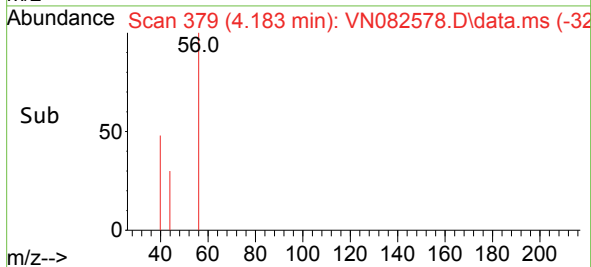
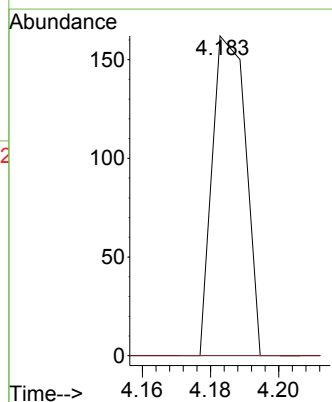
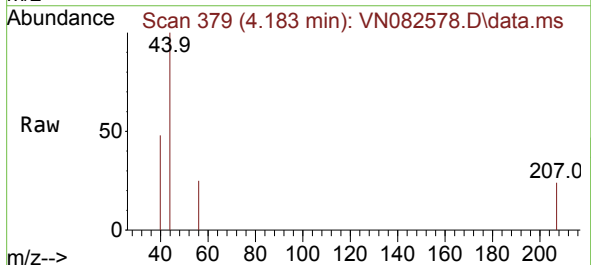


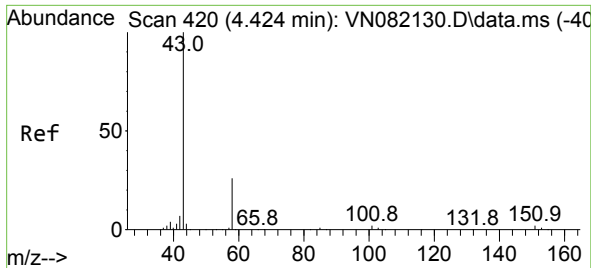
Tgt Ion: 94 Resp: 760  
Ion Ratio Lower Upper  
94 100  
96 114.7 74.8 112.2#



#13  
Acrolein  
Concen: 0.352 ug/l  
RT: 4.183 min Scan# 379  
Delta R.T. 0.006 min  
Lab File: VN082578.D  
Acq: 14 Jun 2024 13:13

Tgt Ion: 56 Resp: 110  
Ion Ratio Lower Upper  
56 100  
55 0.0 55.8 83.8#

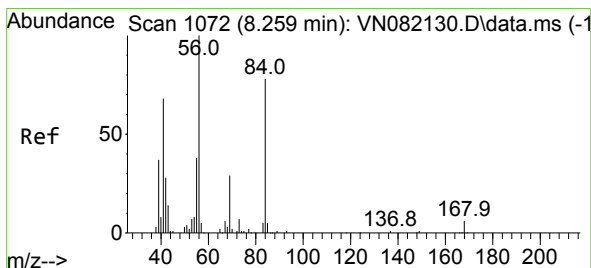
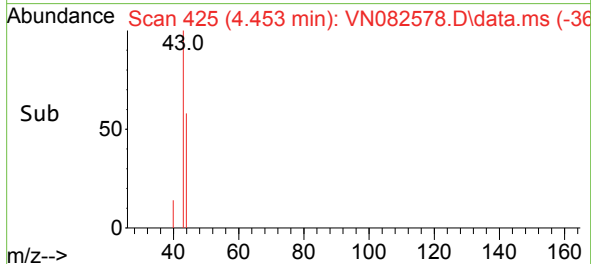
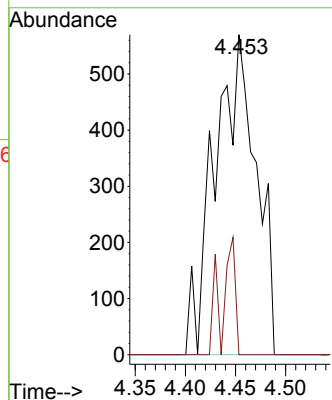
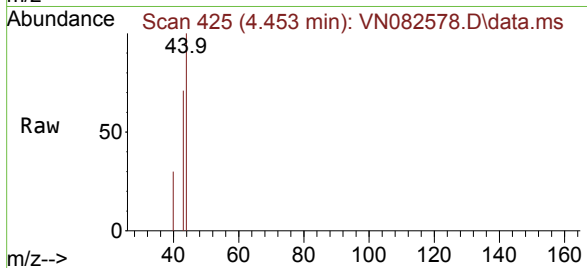




#16  
Acetone  
Concen: 1.520 ug/l  
RT: 4.453 min Scan# 41  
Delta R.T. 0.029 min  
Lab File: VN082578.D  
Acq: 14 Jun 2024 13:13

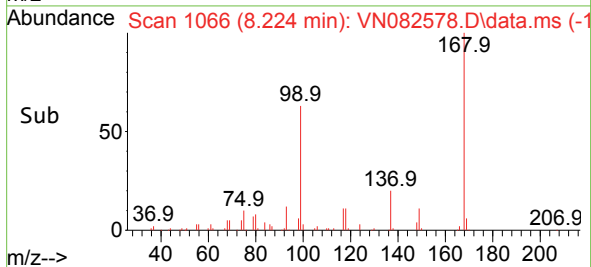
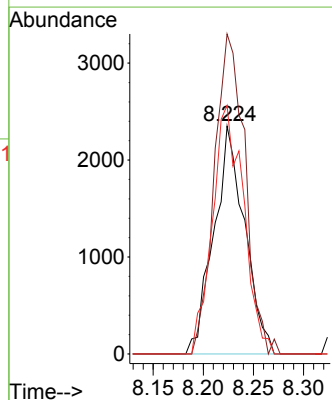
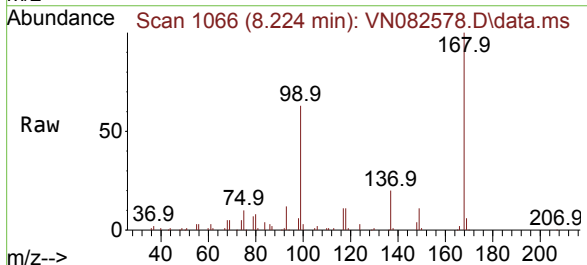
Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion: 43 Resp: 1637  
Ion Ratio Lower Upper  
43 100  
58 0.0 25.2 37.8#



#31  
Cyclohexane  
Concen: 1.201 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.035 min  
Lab File: VN082578.D  
Acq: 14 Jun 2024 13:13

Tgt Ion: 56 Resp: 5034  
Ion Ratio Lower Upper  
56 100  
69 140.4 24.4 36.6#  
84 109.1 77.0 115.4





#33

1,2-Dichloroethane-d4

Concen: 51.900 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082578.D

Acq: 14 Jun 2024 13:13

Instrument :

MSVOA\_N

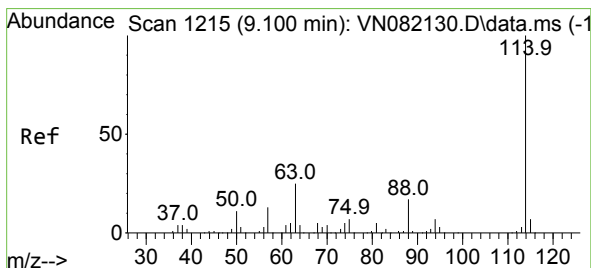
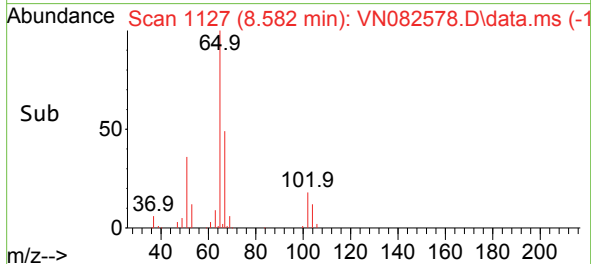
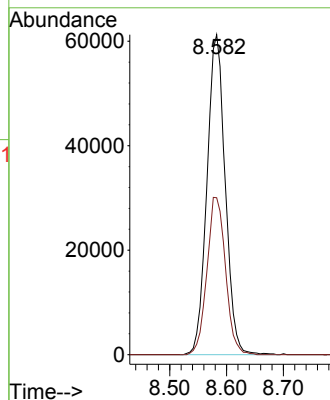
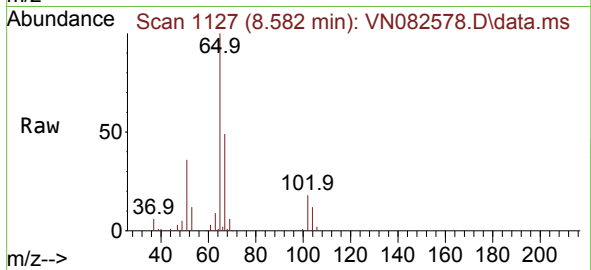
ClientSampleId :

Tgt Ion: 65 Resp: 136242

Ion Ratio Lower Upper

65 100

67 50.0 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: VN082578.D

Acq: 14 Jun 2024 13:13

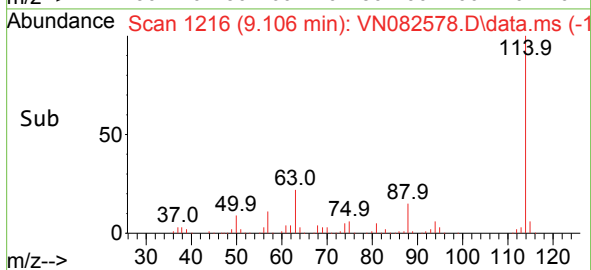
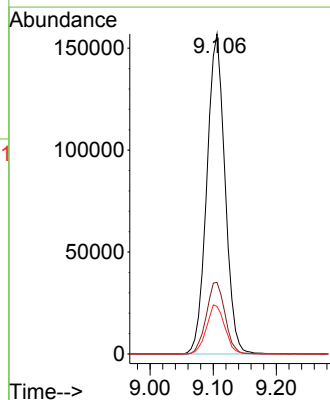
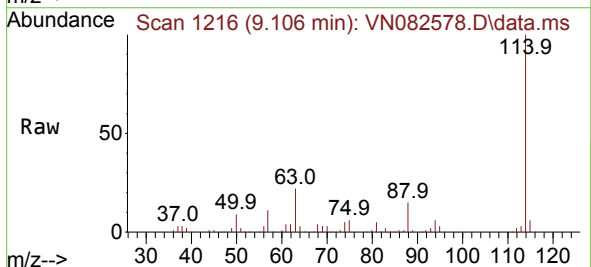
Tgt Ion: 114 Resp: 312720

Ion Ratio Lower Upper

114 100

63 22.3 0.0 41.0

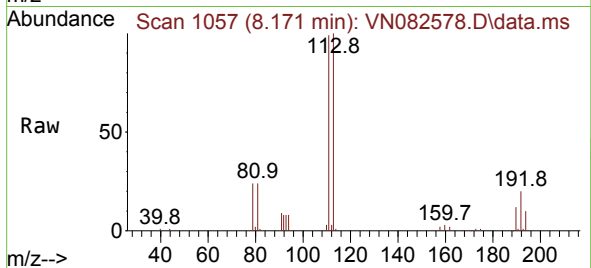
88 14.9 0.0 31.4



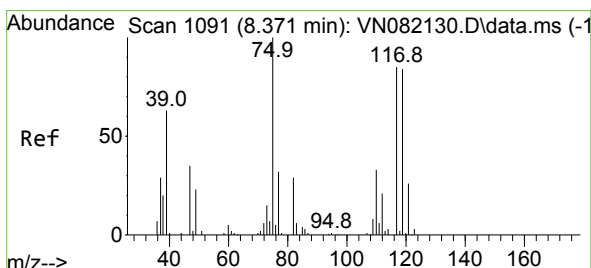
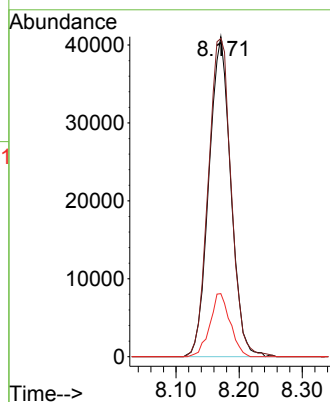
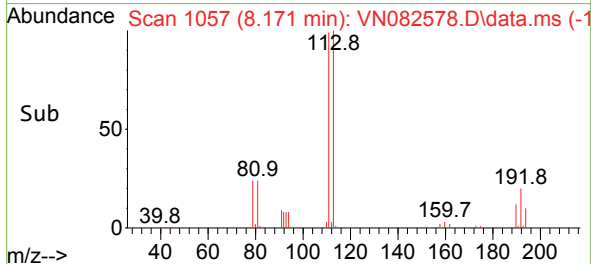


#35  
Dibromofluoromethane  
Concen: 51.371 ug/l  
RT: 8.171 min Scan# 1056  
Delta R.T. 0.006 min  
Lab File: VN082578.D  
Acq: 14 Jun 2024 13:13

Instrument :  
MSVOA\_N  
ClientSampleId :

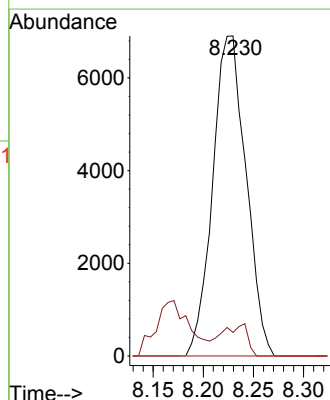
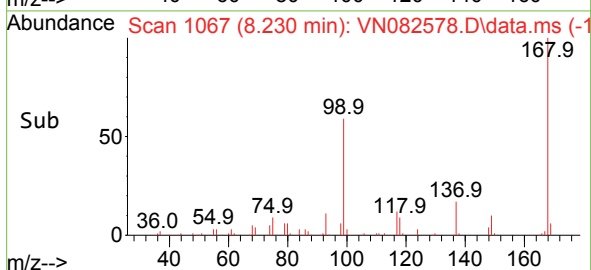
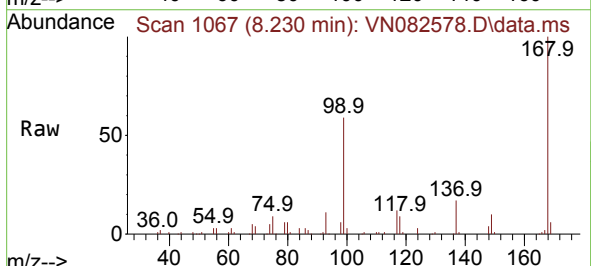


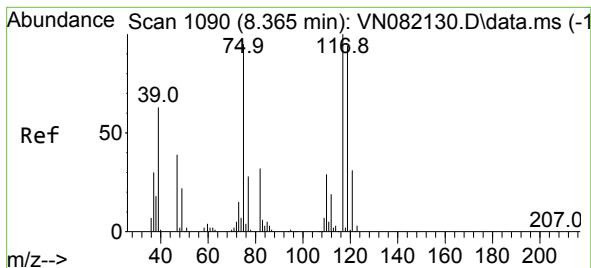
Tgt Ion:113 Resp: 98823  
Ion Ratio Lower Upper  
113 100  
111 103.7 83.4 125.2  
192 18.2 14.0 21.0



#36  
1,1-Dichloropropene  
Concen: 4.942 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.141 min  
Lab File: VN082578.D  
Acq: 14 Jun 2024 13:13

Tgt Ion: 75 Resp: 15946  
Ion Ratio Lower Upper  
75 100  
110 7.8 17.8 53.5#  
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.667 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

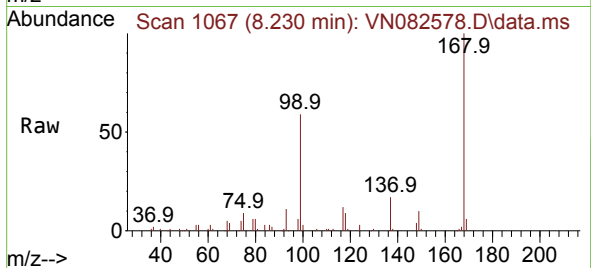
Lab File: VN082578.D

Acq: 14 Jun 2024 13:13

Instrument :

MSVOA\_N

ClientSampleId :



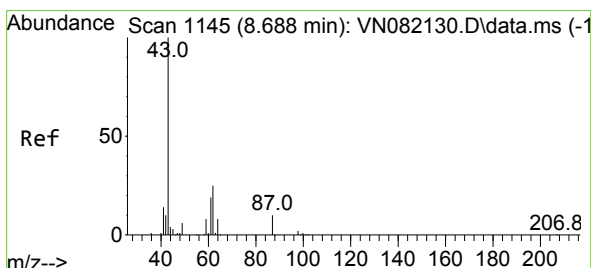
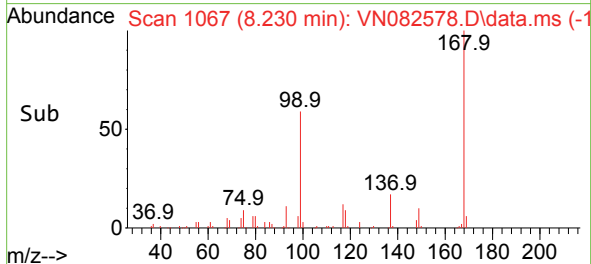
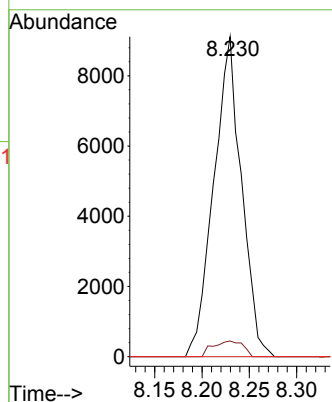
Tgt Ion:117 Resp: 18534

Ion Ratio Lower Upper

117 100

119 4.9 76.5 114.7#

121 0.0 23.9 35.9#



#43

Isopropyl Acetate

Concen: 0.580 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN082578.D

Acq: 14 Jun 2024 13:13

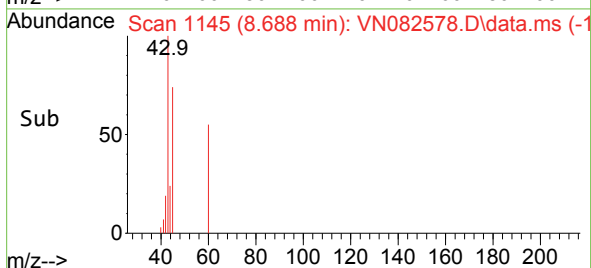
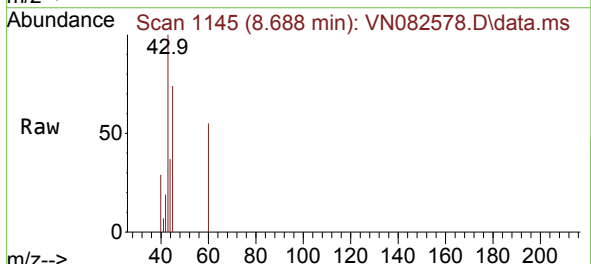
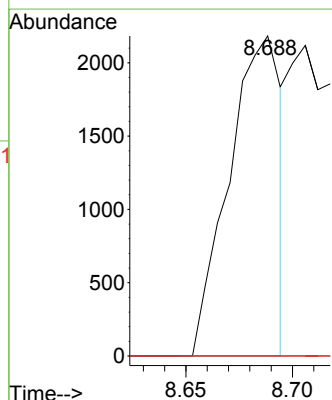
Tgt Ion: 43 Resp: 3708

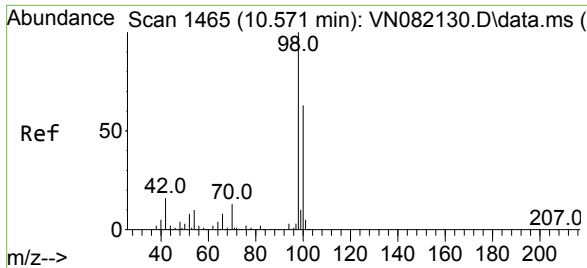
Ion Ratio Lower Upper

43 100

61 0.0 22.8 34.2#

87 0.0 12.0 18.0#

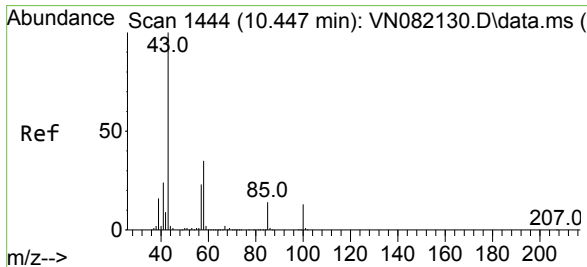
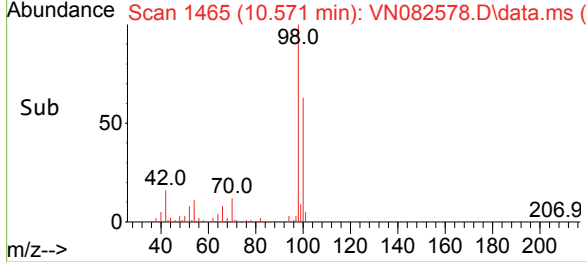
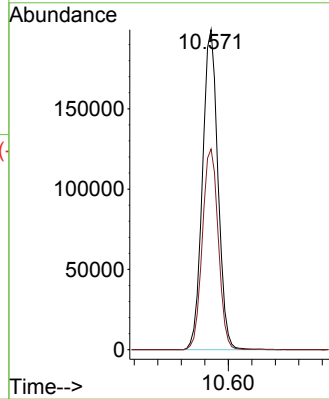
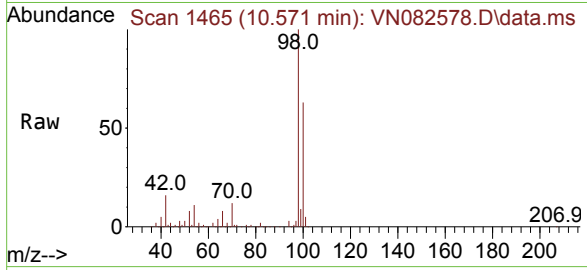




#50  
Toluene-d8  
Concen: 49.267 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN082578.D  
Acq: 14 Jun 2024 13:13

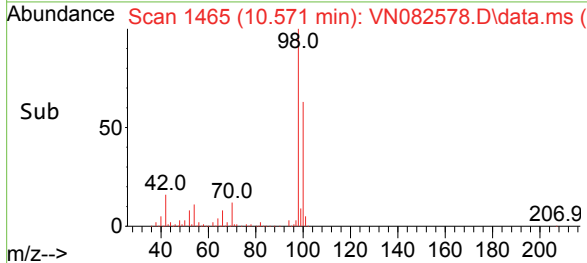
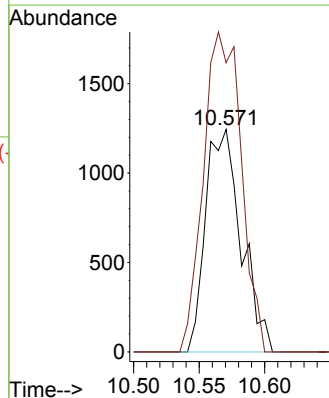
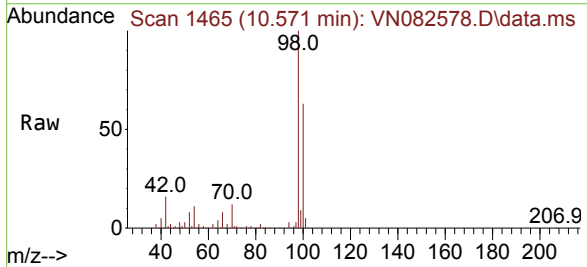
Instrument :  
MSVOA\_N  
ClientSampleId :

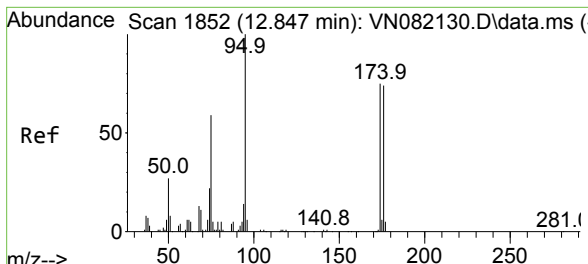
Tgt Ion: 98 Resp: 363358  
Ion Ratio Lower Upper  
98 100  
100 64.3 51.8 77.6



#51  
4-Methyl-2-Pentanone  
Concen: 0.646 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.123 min  
Lab File: VN082578.D  
Acq: 14 Jun 2024 13:13

Tgt Ion: 43 Resp: 2350  
Ion Ratio Lower Upper  
43 100  
58 152.5 33.2 49.8#

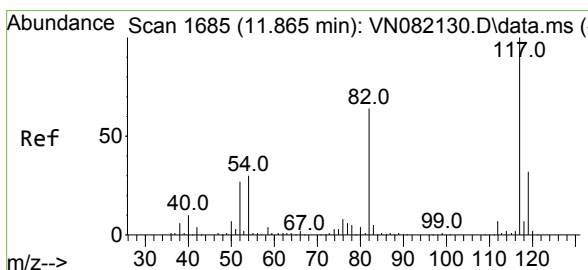
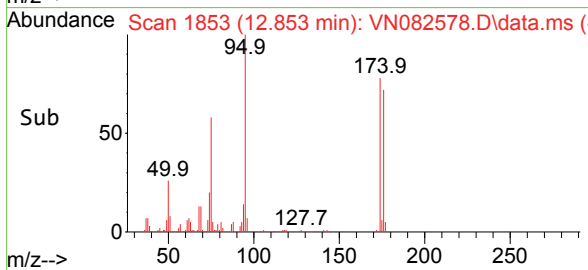
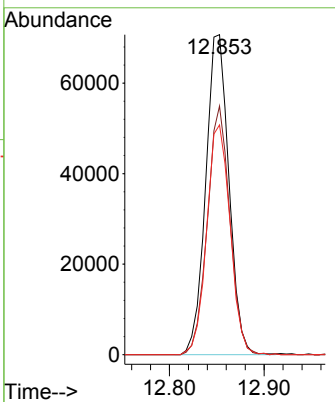
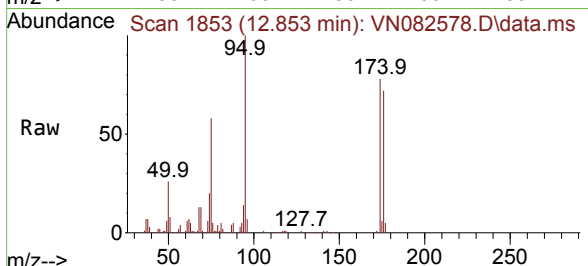




#62  
4-Bromofluorobenzene  
Concen: 45.730 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: VN082578.D  
Acq: 14 Jun 2024 13:13

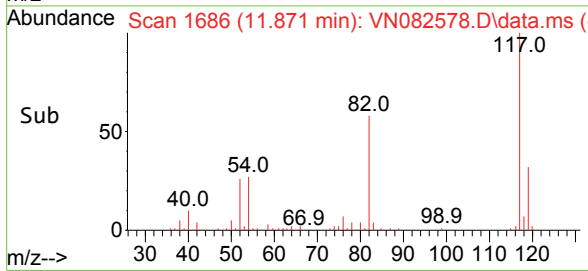
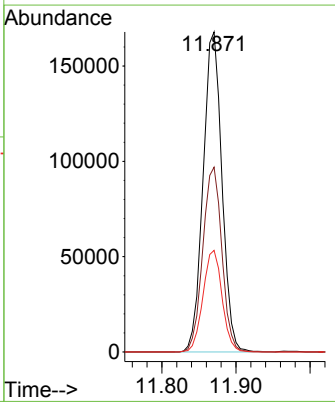
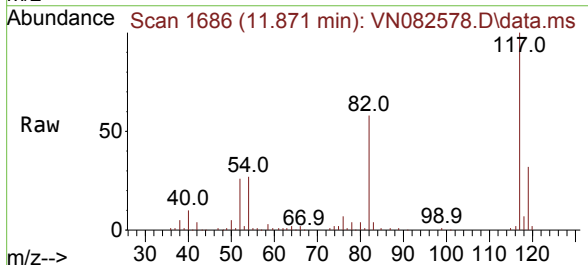
Instrument :  
MSVOA\_N  
ClientSampleId :

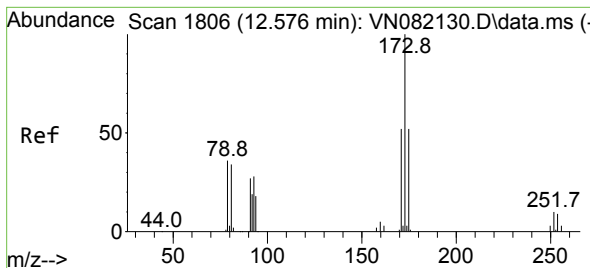
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 120382 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 174      | 75.5  | 0.0   | 160.6  |
| 176      | 72.6  | 0.0   | 152.8  |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. 0.006 min  
Lab File: VN082578.D  
Acq: 14 Jun 2024 13:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 296051 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 57.8  | 44.6  | 66.8   |
| 119      | 31.8  | 25.9  | 38.9   |





#71

Bromoform

Concen: 0.802 ug/l

RT: 12.835 min Scan# 1806

Delta R.T. 0.259 min

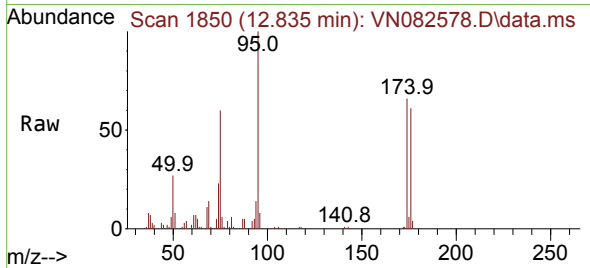
Lab File: VN082578.D

Acq: 14 Jun 2024 13:13

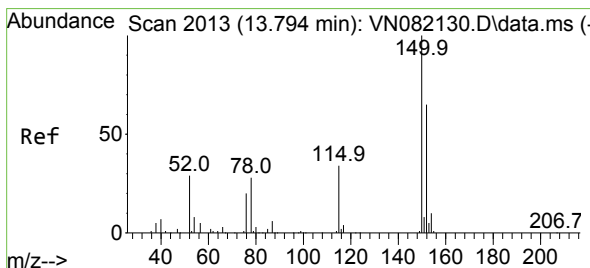
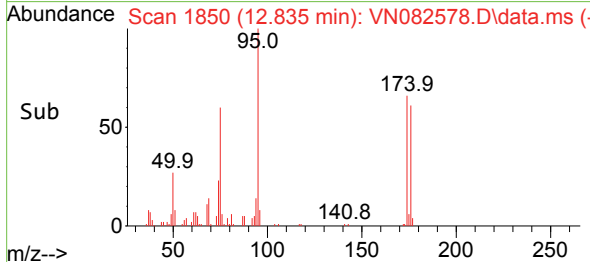
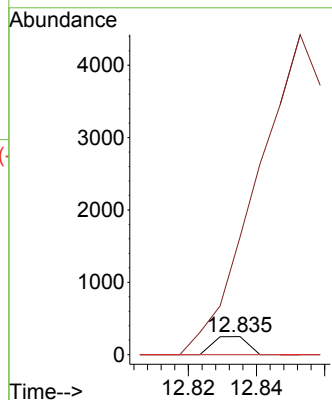
Instrument :

MSVOA\_N

ClientSampleId :



|             |       |       |
|-------------|-------|-------|
| Tgt Ion:173 | Resp: | 176   |
| Ion Ratio   | Lower | Upper |
| 173         | 100   |       |
| 175         | 0.0   | 24.6  |
| 254         | 0.0   | 0.0   |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

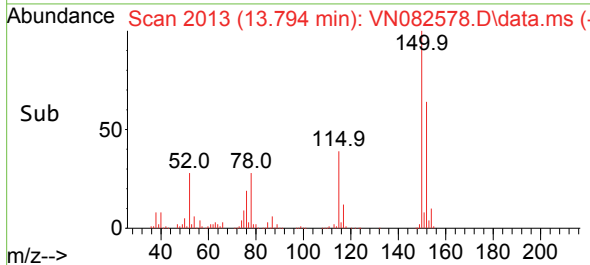
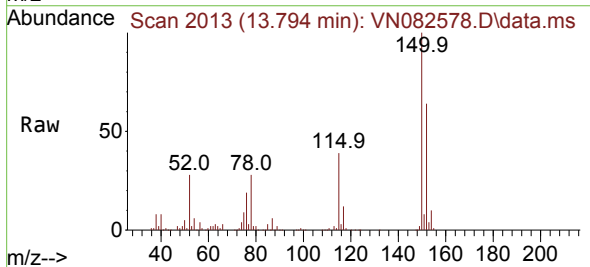
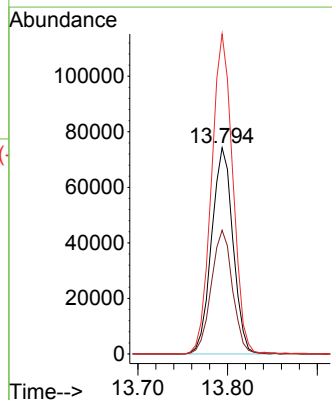
RT: 13.794 min Scan# 2013

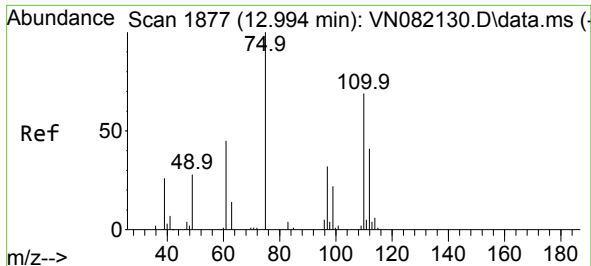
Delta R.T. -0.000 min

Lab File: VN082578.D

Acq: 14 Jun 2024 13:13

|             |       |        |
|-------------|-------|--------|
| Tgt Ion:152 | Resp: | 123161 |
| Ion Ratio   | Lower | Upper  |
| 152         | 100   |        |
| 115         | 59.6  | 30.4   |
| 150         | 154.6 | 0.0    |

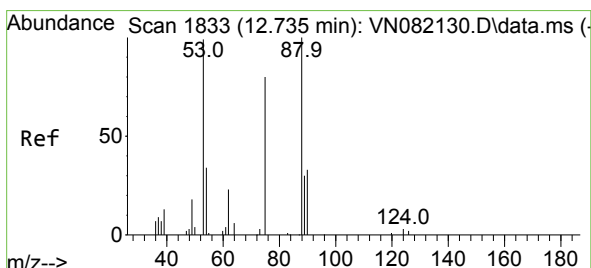
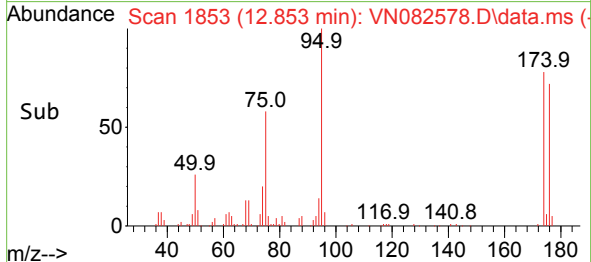
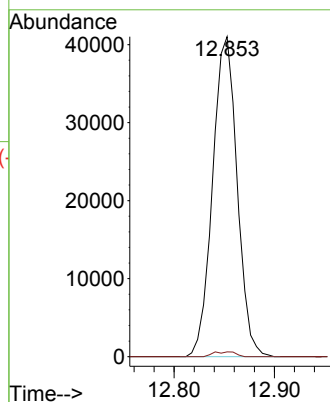
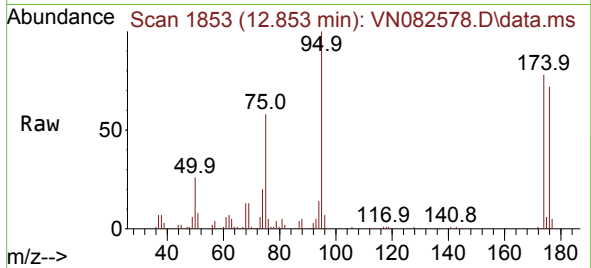




#76  
1,2,3-Trichloropropane  
Concen: 26.897 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.141 min  
Lab File: VN082578.D  
Acq: 14 Jun 2024 13:13

Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion: 75 Resp: 69725  
Ion Ratio Lower Upper  
75 100  
77 1.4 90.5 271.3#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 62.912 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.118 min  
Lab File: VN082578.D  
Acq: 14 Jun 2024 13:13

Tgt Ion: 75 Resp: 69725  
Ion Ratio Lower Upper  
75 100  
53 0.0 72.9 109.3#  
89 0.0 39.1 58.7#

