

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061224\  
 Data File : VN082535.D  
 Acq On : 12 Jun 2024 17:47  
 Operator : JC\MD  
 Sample : P2838-03  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Jun 12 18:38:54 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

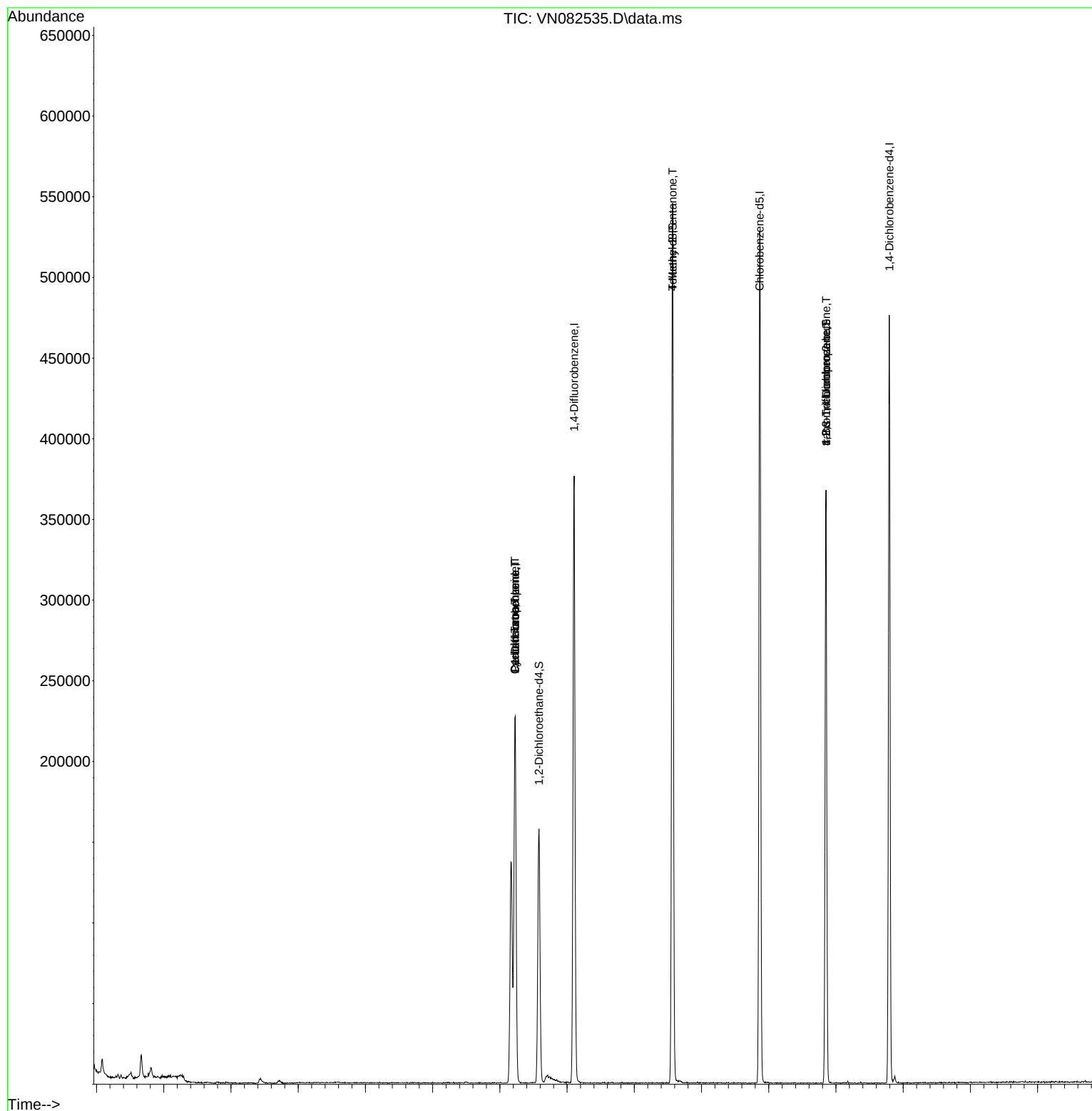
| Compound                      | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                         |                |      |                     |        |        |          |
| Internal Standards            |                |      |                     |        |        |          |
| 1) Pentafluorobenzene         | 8.230          | 168  | 159053              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.106          | 114  | 293826              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.865         | 117  | 289357              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794         | 152  | 121664              | 50.000 | ug/l   | 0.00     |
|                               |                |      |                     |        |        |          |
| System Monitoring Compounds   |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.583          | 65   | 132063              | 52.584 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = 105.160% |        |        |          |
| 35) Dibromofluoromethane      | 8.165          | 113  | 98119               | 54.285 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 108.560% |        |        |          |
| 50) Toluene-d8                | 10.571         | 98   | 358850              | 51.784 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = 103.560% |        |        |          |
| 62) 4-Bromofluorobenzene      | 12.853         | 95   | 119671              | 48.383 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 64 - 133 |      | Recovery = 96.760%  |        |        |          |
|                               |                |      |                     |        |        |          |
| Target Compounds              |                |      |                     |        |        |          |
|                               |                |      |                     |        | Qvalue |          |
| 3) Chloromethane              | 2.359          | 50   | 1655                | 0.637  | ug/l # | 81       |
| 16) Acetone                   | 4.442          | 43   | 5890                | 5.717  | ug/l # | 88       |
| 17) Carbon Disulfide          | 4.712          | 76   | 1707                | 0.304  | ug/l # | 74       |
| 25) 2-Butanone                | 7.494          | 43   | 671                 | 0.430  | ug/l # | 43       |
| 31) Cyclohexane               | 8.224          | 56   | 4411                | 1.100  | ug/l # | 36       |
| 36) 1,1-Dichloropropene       | 8.224          | 75   | 14699               | 4.849  | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 8.224          | 117  | 16421               | 5.344  | ug/l # | 17       |
| 43) Isopropyl Acetate         | 8.712          | 43   | 5015                | 0.834  | ug/l # | 52       |
| 51) 4-Methyl-2-Pentanone      | 10.571         | 43   | 2207                | 0.646  | ug/l # | 1        |
| 71) Bromoform                 | 12.582         | 173  | 70                  | 0.742  | ug/l # | 28       |
| 76) 1,2,3-Trichloropropane    | 12.853         | 75   | 68449               | 26.730 | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.853         | 75   | 68449               | 62.521 | ug/l # | 12       |
| -----                         |                |      |                     |        |        |          |

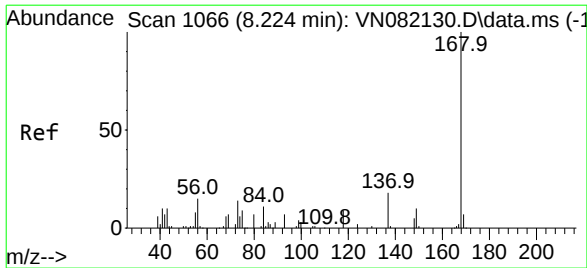
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061224\  
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ALS Vial : 16 Sample Multiplier: 1

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MSVOA\_N  
ClientSampleId :

Quant Time: Jun 12 18:38:54 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

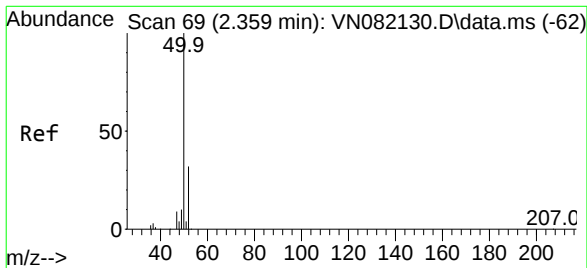
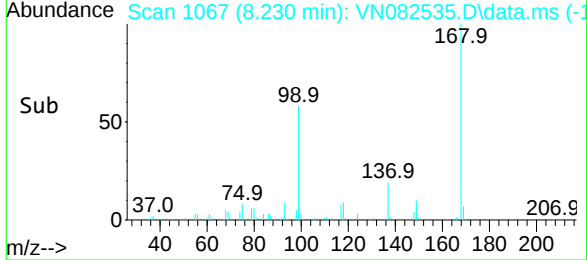
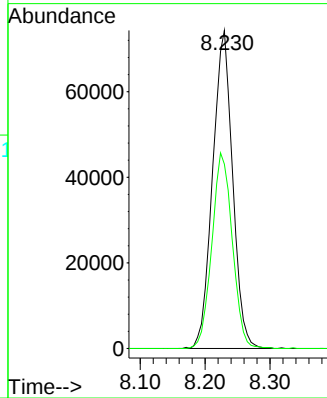
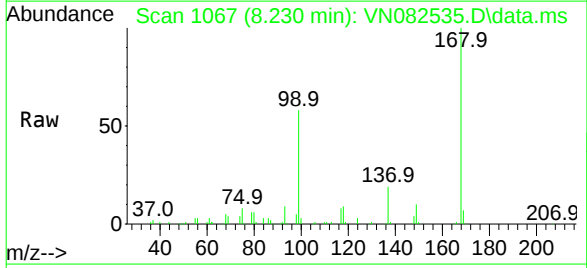




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 10  
Delta R.T. 0.006 min  
Lab File: VN082535.D  
Acq: 12 Jun 2024 17:47

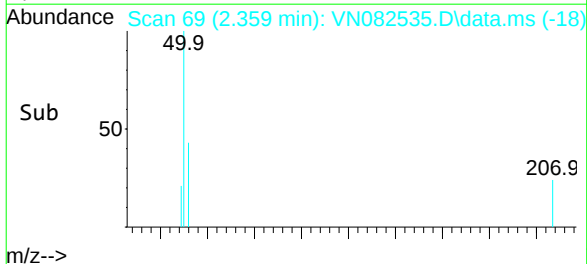
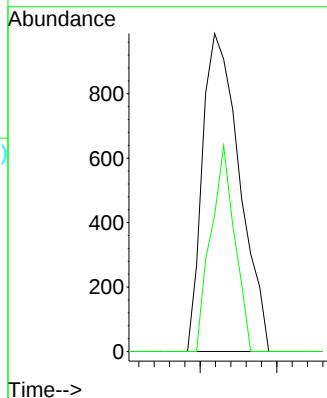
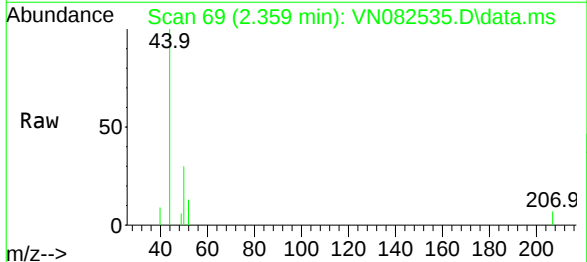
Instrument :  
MSVOA\_N  
ClientSampleId :

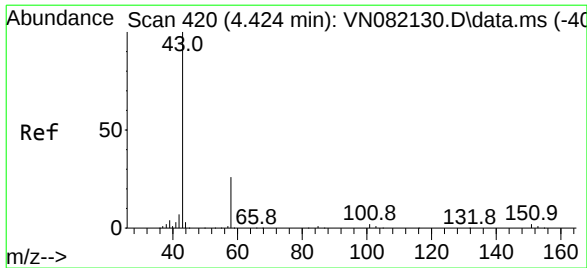
Tgt Ion:168 Resp: 159053  
Ion Ratio Lower Upper  
168 100  
99 58.0 48.2 72.4



#3  
Chloromethane  
Concen: 0.637 ug/l  
RT: 2.359 min Scan# 69  
Delta R.T. 0.000 min  
Lab File: VN082535.D  
Acq: 12 Jun 2024 17:47

Tgt Ion: 50 Resp: 1655  
Ion Ratio Lower Upper  
50 100  
52 42.8 25.5 38.3#





#16

Acetone

Concen: 5.717 ug/l

RT: 4.442 min Scan# 42

Delta R.T. 0.018 min

Lab File: VN082535.D

Acq: 12 Jun 2024 17:47

Instrument :

MSVOA\_N

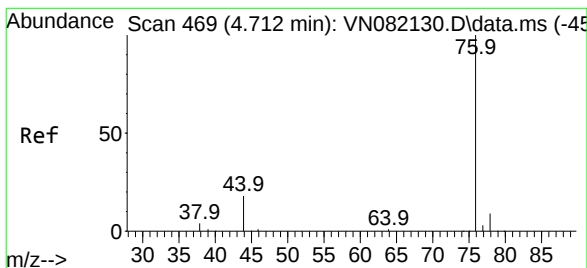
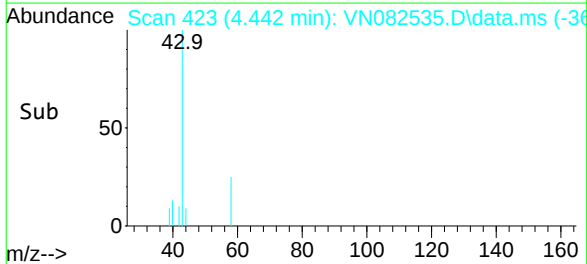
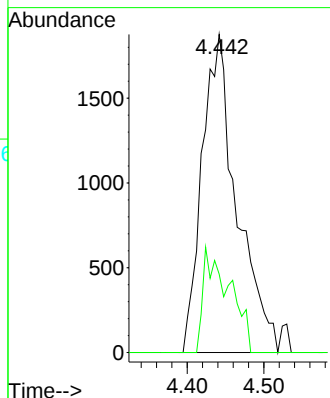
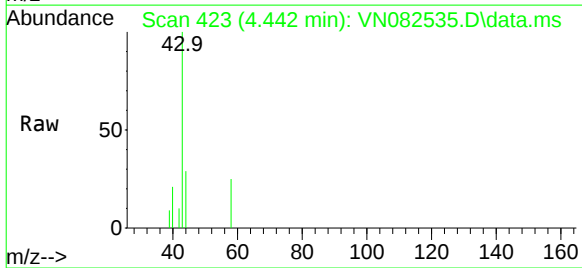
ClientSampleId :

Tgt Ion: 43 Resp: 5890

Ion Ratio Lower Upper

43 100

58 24.7 25.2 37.8#



#17

Carbon Disulfide

Concen: 0.304 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.000 min

Lab File: VN082535.D

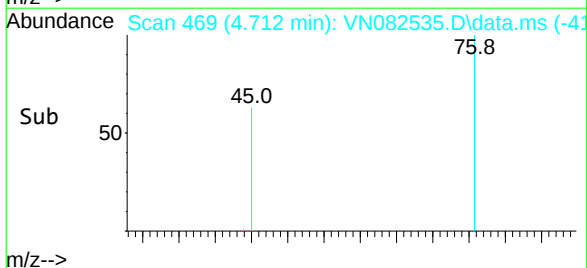
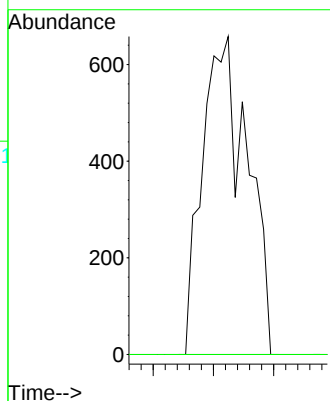
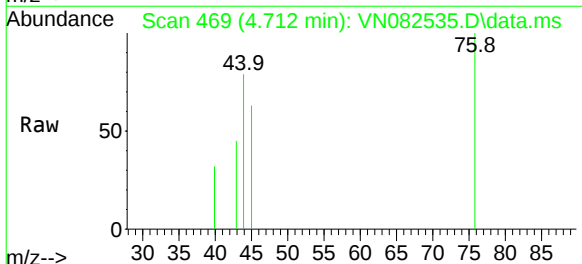
Acq: 12 Jun 2024 17:47

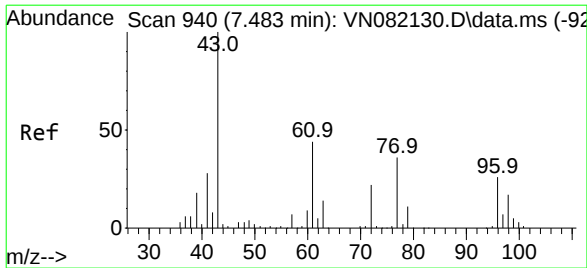
Tgt Ion: 76 Resp: 1707

Ion Ratio Lower Upper

76 100

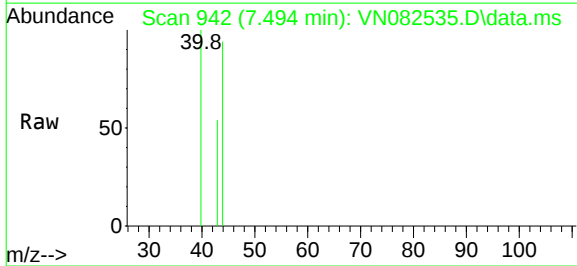
78 0.0 7.5 11.3#



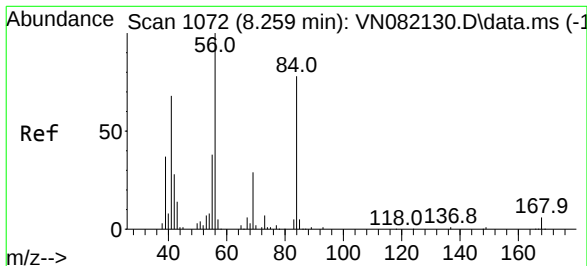
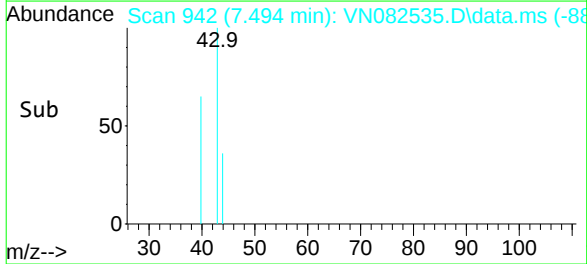
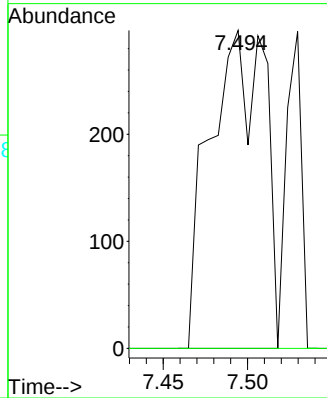


#25  
2-Butanone  
Concen: 0.430 ug/l  
RT: 7.494 min Scan# 94  
Delta R.T. 0.012 min  
Lab File: VN082535.D  
Acq: 12 Jun 2024 17:47

Instrument :  
MSVOA\_N  
ClientSampleId :

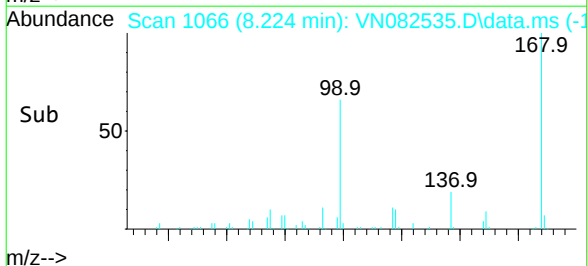
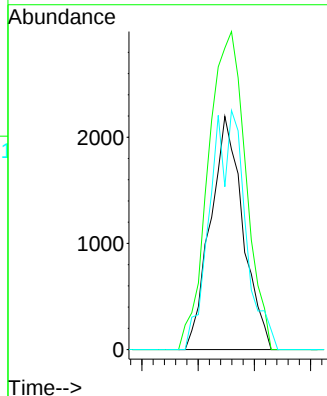
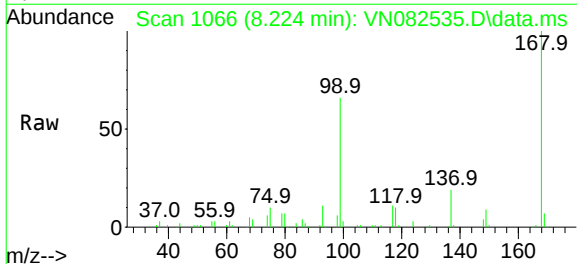


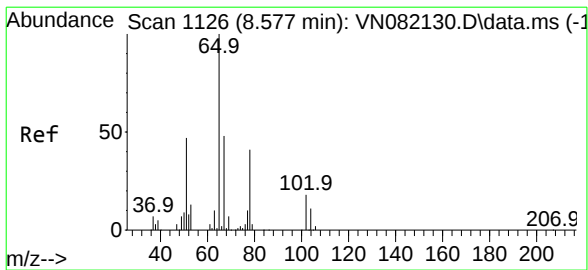
Tgt Ion: 43 Resp: 671  
Ion Ratio Lower Upper  
43 100  
72 0.0 25.3 37.9#



#31  
Cyclohexane  
Concen: 1.100 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.035 min  
Lab File: VN082535.D  
Acq: 12 Jun 2024 17:47

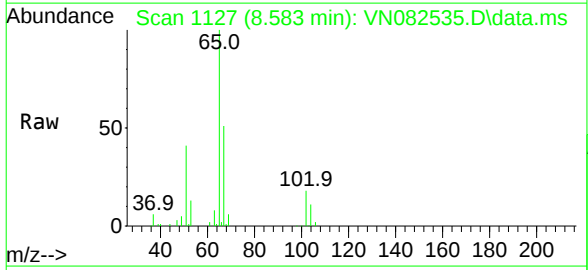
Tgt Ion: 56 Resp: 4411  
Ion Ratio Lower Upper  
56 100  
69 129.4 24.4 36.6#  
84 69.9 77.0 115.4#



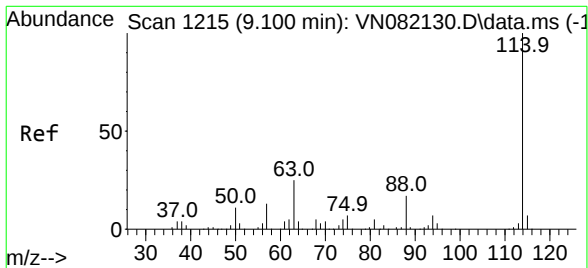
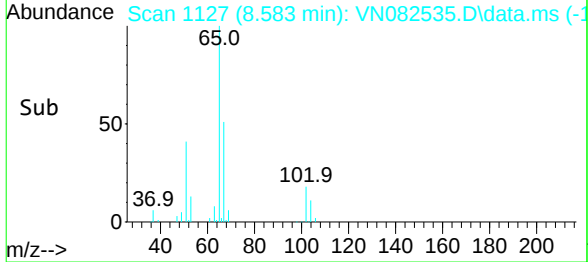
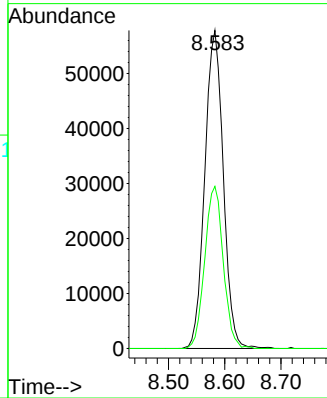


#33  
1,2-Dichloroethane-d4  
Concen: 52.584 ug/l  
RT: 8.583 min Scan# 1126  
Delta R.T. 0.006 min  
Lab File: VN082535.D  
Acq: 12 Jun 2024 17:47

Instrument :  
MSVOA\_N  
ClientSampleId :

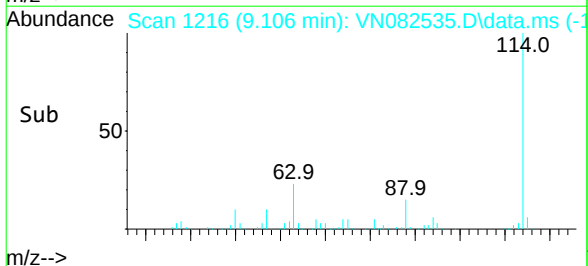
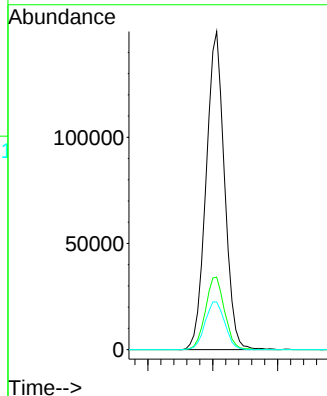
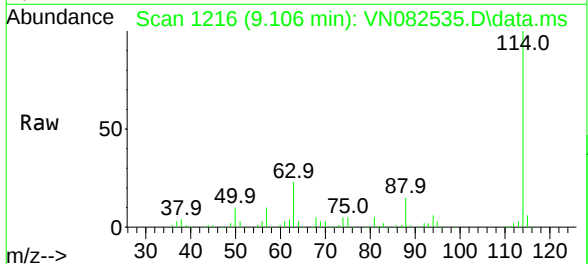


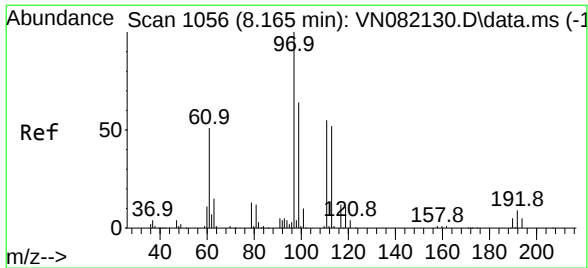
Tgt Ion: 65 Resp: 132063  
Ion Ratio Lower Upper  
65 100  
67 51.1 0.0 103.0



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.106 min Scan# 1216  
Delta R.T. 0.006 min  
Lab File: VN082535.D  
Acq: 12 Jun 2024 17:47

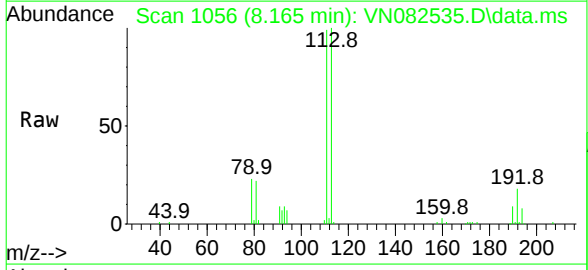
Tgt Ion: 114 Resp: 293826  
Ion Ratio Lower Upper  
114 100  
63 22.8 0.0 41.0  
88 15.0 0.0 31.4



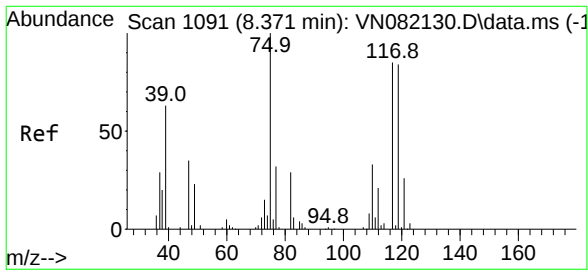
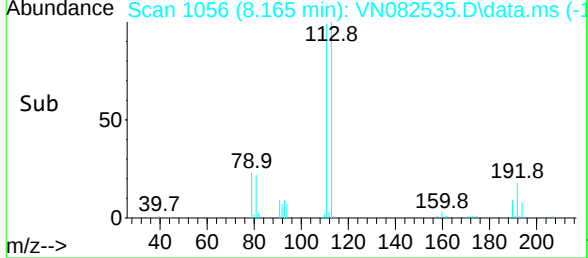
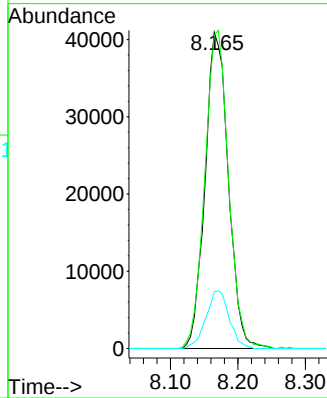


#35  
 Dibromofluoromethane  
 Concen: 54.285 ug/l  
 RT: 8.165 min Scan# 1056  
 Delta R.T. 0.000 min  
 Lab File: VN082535.D  
 Acq: 12 Jun 2024 17:47

Instrument :  
 MSVOA\_N  
 ClientSampleId :

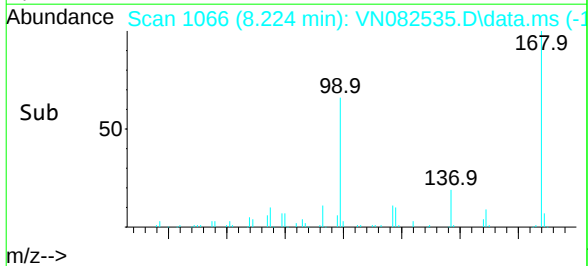
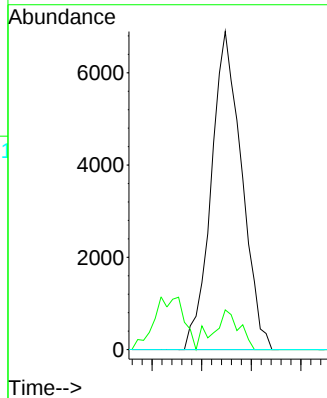
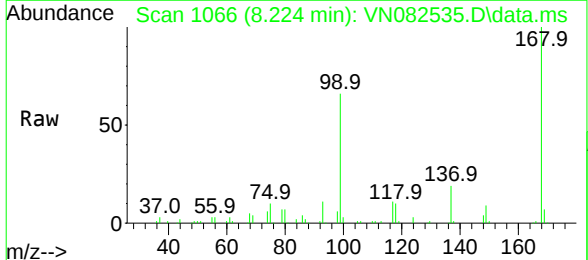


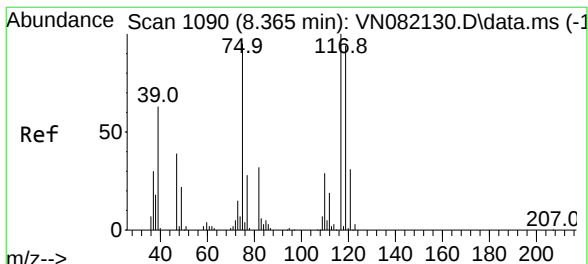
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|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 98119 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.5 | 83.4  | 125.2 |
| 192      | 18.2  | 14.0  | 21.0  |



#36  
 1,1-Dichloropropene  
 Concen: 4.849 ug/l  
 RT: 8.224 min Scan# 1066  
 Delta R.T. -0.147 min  
 Lab File: VN082535.D  
 Acq: 12 Jun 2024 17:47

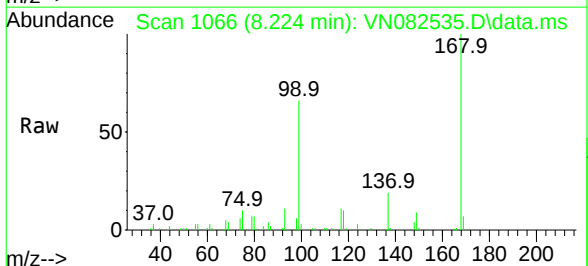
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|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 14699 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 10.5  | 17.8  | 53.5# |
| 77       | 0.0   | 25.0  | 37.4# |



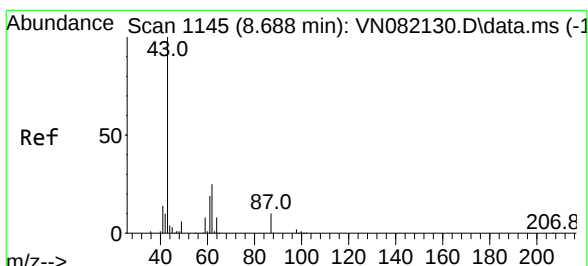
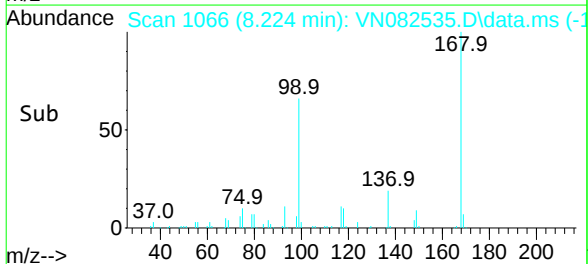
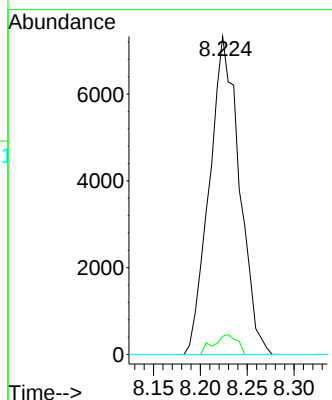


#38  
Carbon Tetrachloride  
Concen: 5.344 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.141 min  
Lab File: VN082535.D  
Acq: 12 Jun 2024 17:47

Instrument :  
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ClientSampleId :

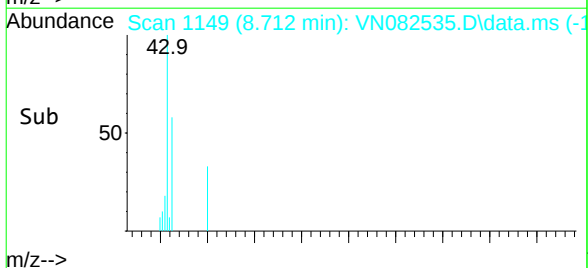
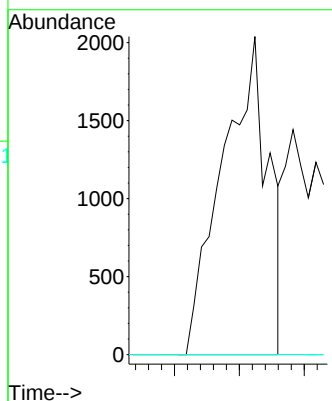
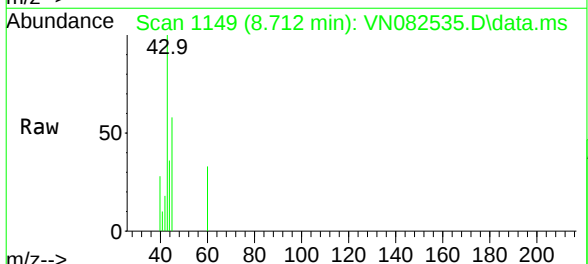


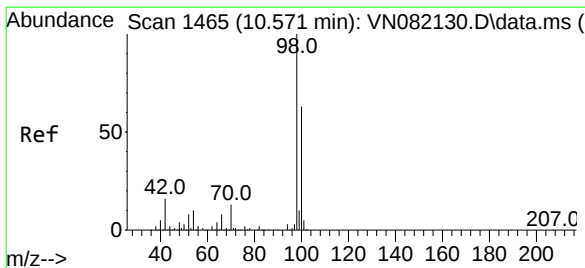
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 16421  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 5.7   | 76.5  | 114.7# |
| 121      | 0.0   | 23.9  | 35.9#  |



#43  
Isopropyl Acetate  
Concen: 0.834 ug/l  
RT: 8.712 min Scan# 1149  
Delta R.T. 0.024 min  
Lab File: VN082535.D  
Acq: 12 Jun 2024 17:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 5015  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 0.0   | 22.8  | 34.2# |
| 87       | 0.0   | 12.0  | 18.0# |





#50

Toluene-d8

Concen: 51.784 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN082535.D

Acq: 12 Jun 2024 17:47

Instrument :

MSVOA\_N

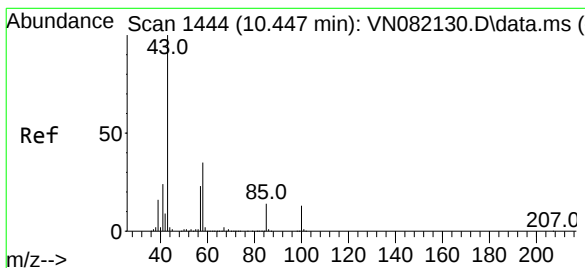
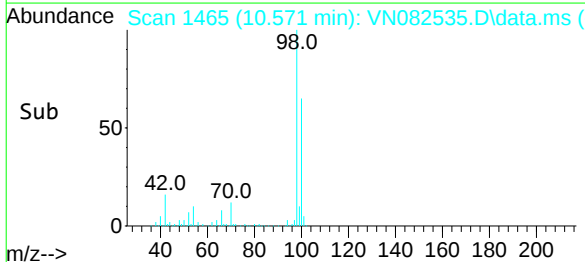
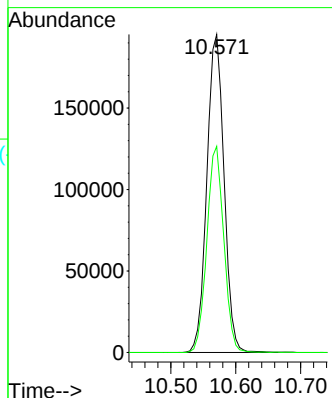
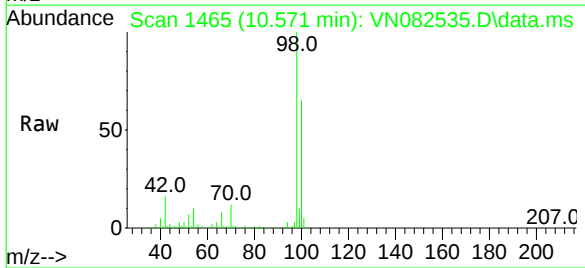
ClientSampleId :

Tgt Ion: 98 Resp: 358850

Ion Ratio Lower Upper

98 100

100 64.0 51.8 77.6



#51

4-Methyl-2-Pentanone

Concen: 0.646 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.124 min

Lab File: VN082535.D

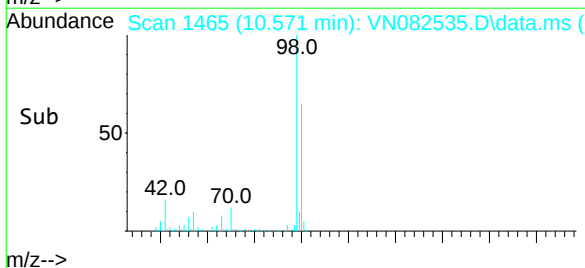
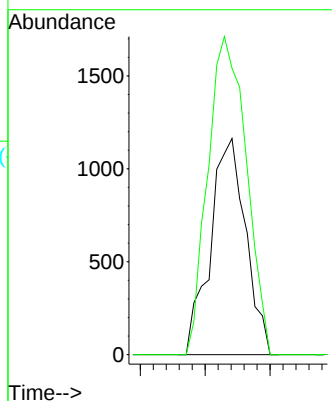
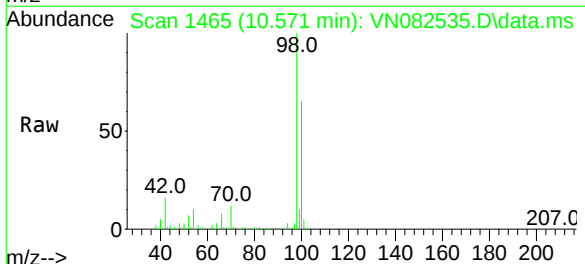
Acq: 12 Jun 2024 17:47

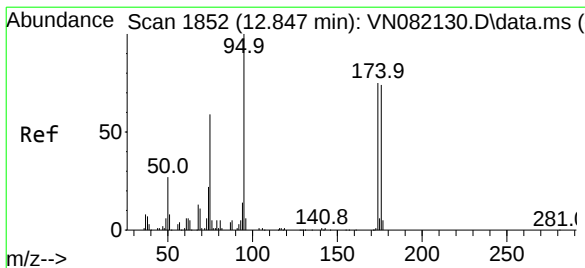
Tgt Ion: 43 Resp: 2207

Ion Ratio Lower Upper

43 100

58 159.9 33.2 49.8#





#62

4-Bromofluorobenzene

Concen: 48.383 ug/l

RT: 12.853 min Scan# 18

Delta R.T. 0.006 min

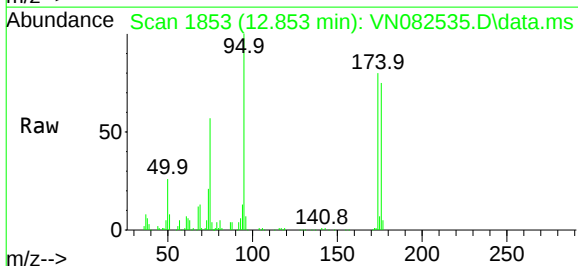
Lab File: VN082535.D

Acq: 12 Jun 2024 17:47

Instrument :

MSVOA\_N

ClientSampleId :



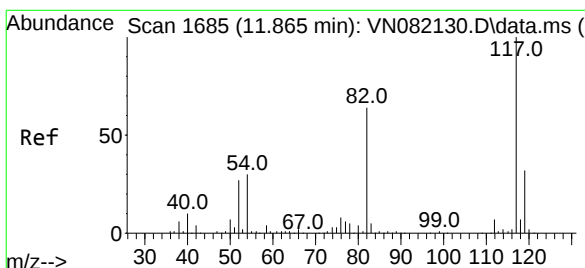
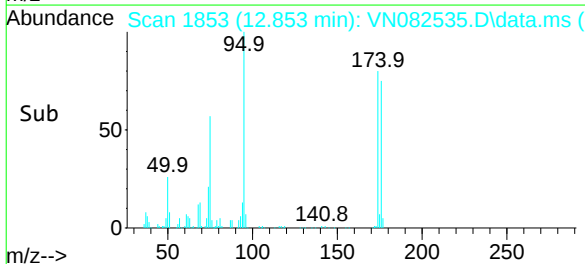
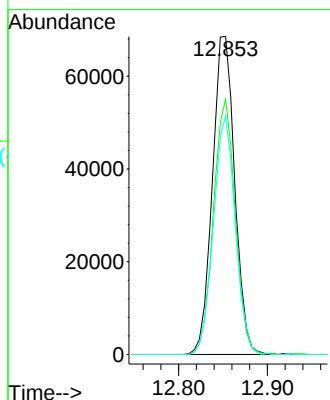
Tgt Ion: 95 Resp: 119671

Ion Ratio Lower Upper

95 100

174 78.4 0.0 160.6

176 73.3 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: VN082535.D

Acq: 12 Jun 2024 17:47

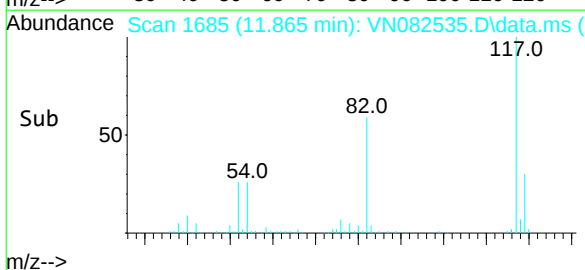
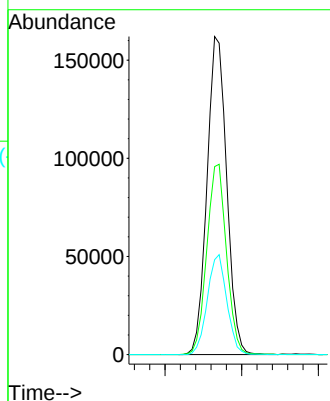
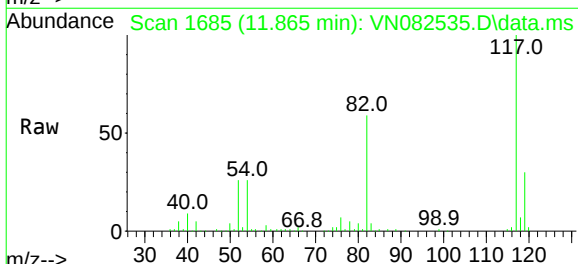
Tgt Ion: 117 Resp: 289357

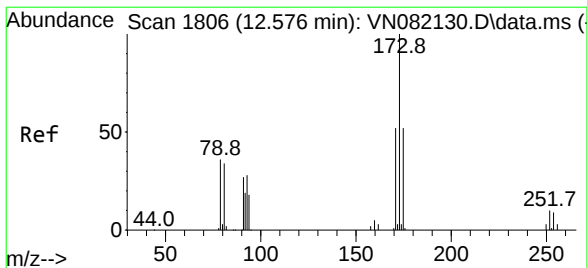
Ion Ratio Lower Upper

117 100

82 59.1 44.6 66.8

119 29.8 25.9 38.9





#71

Bromoform

Concen: 0.742 ug/l

RT: 12.582 min Scan# 18

Delta R.T. 0.006 min

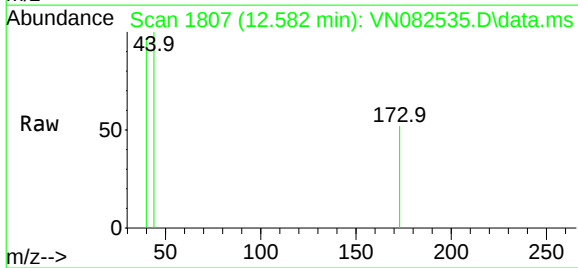
Lab File: VN082535.D

Acq: 12 Jun 2024 17:47

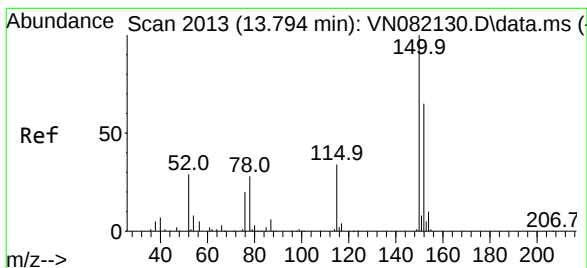
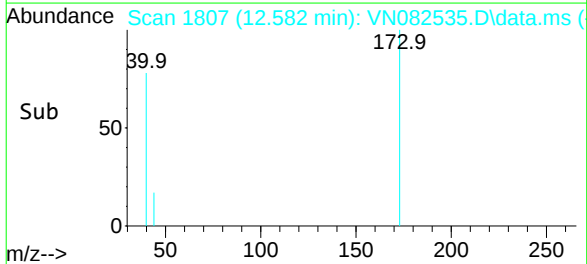
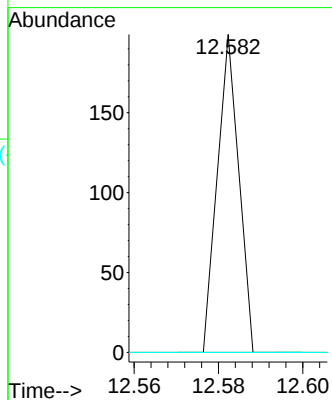
Instrument :

MSVOA\_N

ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 70    |
| 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

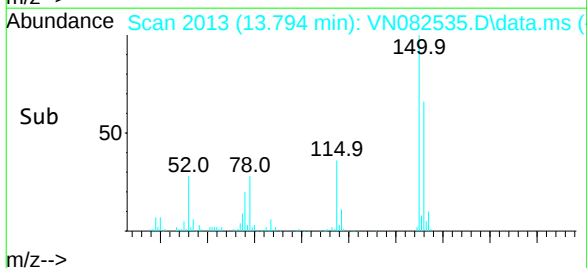
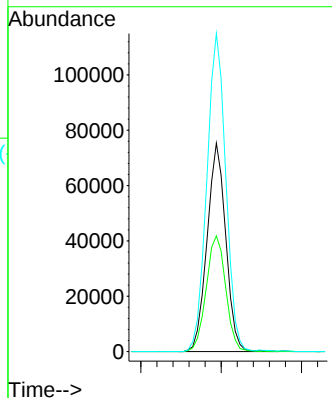
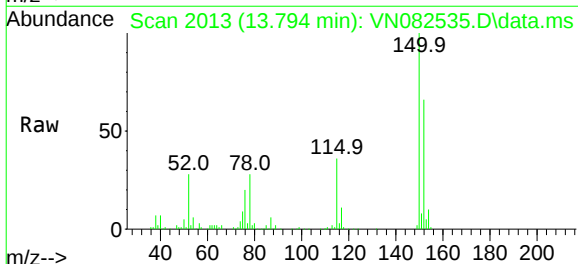
RT: 13.794 min Scan# 2013

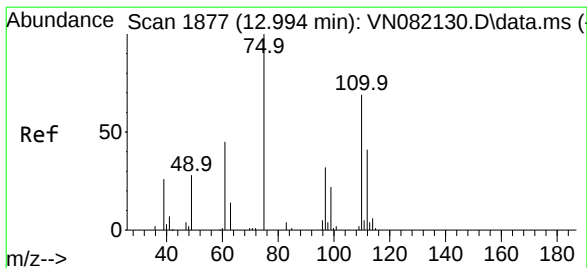
Delta R.T. 0.000 min

Lab File: VN082535.D

Acq: 12 Jun 2024 17:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 121664 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 57.9  | 30.4  | 91.3   |
| 150       | 154.7 | 0.0   | 353.2  |





#76

1,2,3-Trichloropropane

Concen: 26.730 ug/l

RT: 12.853 min Scan# 18

Delta R.T. -0.141 min

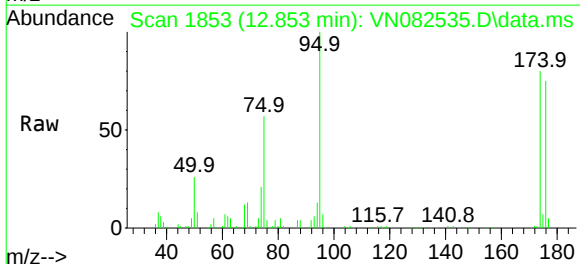
Lab File: VN082535.D

Acq: 12 Jun 2024 17:47

Instrument :

MSVOA\_N

ClientSampleId :

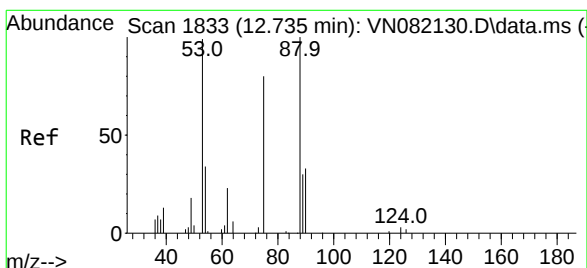
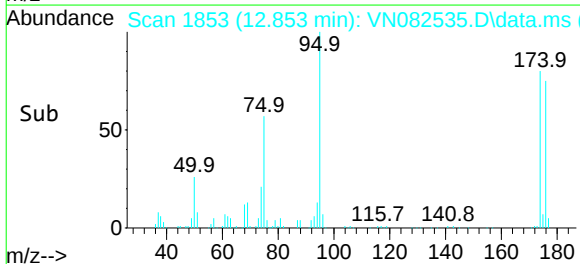
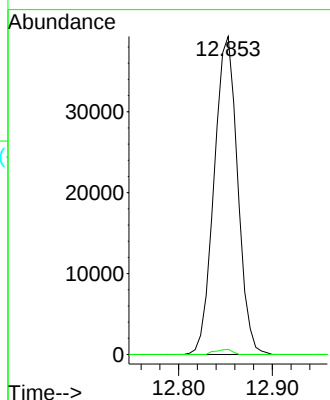


Tgt Ion: 75 Resp: 68449

Ion Ratio Lower Upper

75 100

77 1.2 90.5 271.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.521 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN082535.D

Acq: 12 Jun 2024 17:47

Tgt Ion: 75 Resp: 68449

Ion Ratio Lower Upper

75 100

53 0.0 72.9 109.3#

89 0.0 39.1 58.7#

