

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032825\  
 Data File : VN086154.D  
 Acq On : 28 Mar 2025 16:42  
 Operator : JC\MD  
 Sample : Q1664-10  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 P001-BBDGA-002-01

Quant Time: Mar 28 23:38:50 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031825W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 19 03:20:56 2025  
 Response via : Initial Calibration

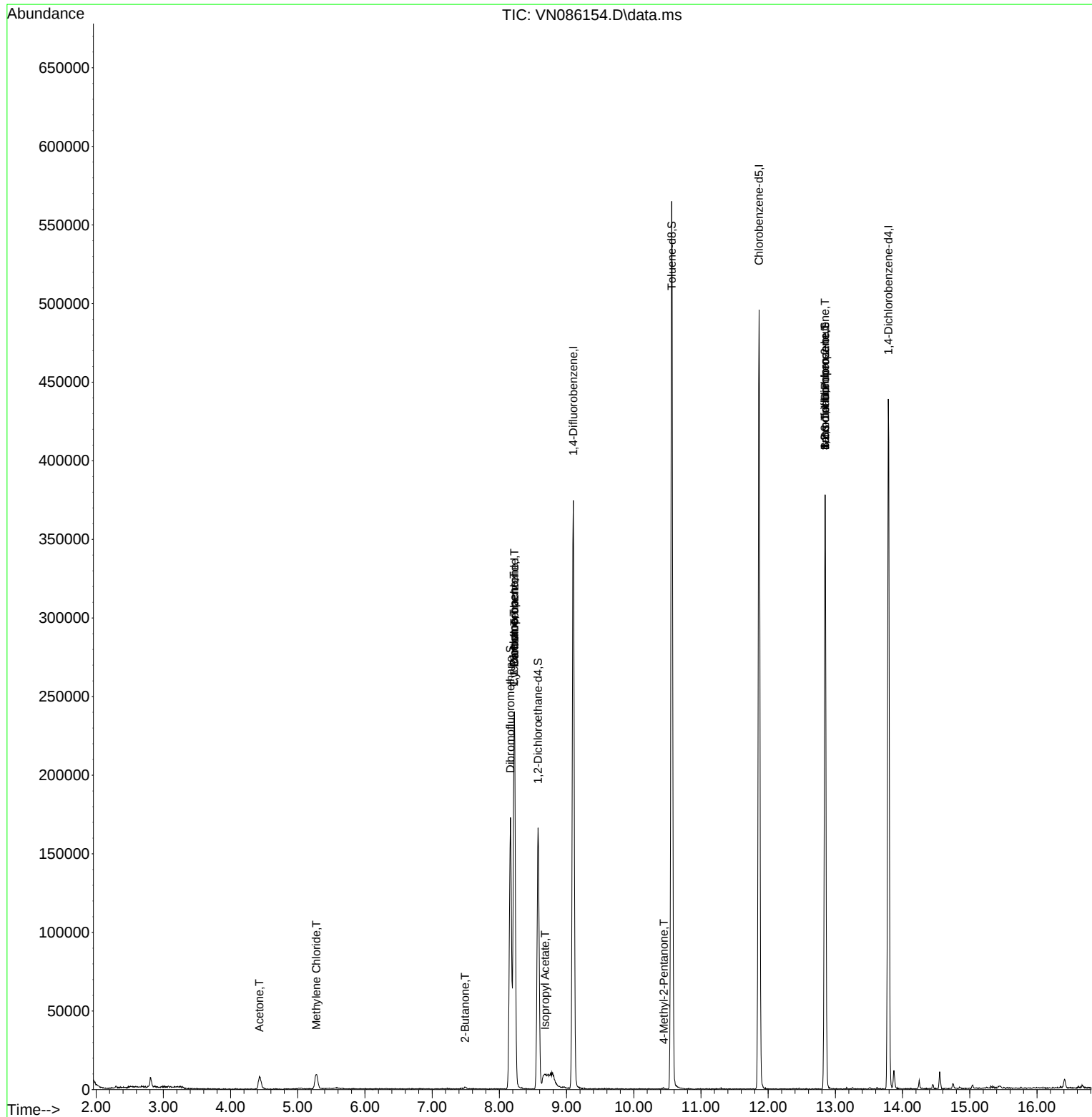
| Compound                      | R.T.           | QIon | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|----------------|------|----------|--------|----------|----------|
| -----                         |                |      |          |        |          |          |
| Internal Standards            |                |      |          |        |          |          |
| 1) Pentafluorobenzene         | 8.224          | 168  | 175001   | 50.000 | ug/l     | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.100          | 114  | 326640   | 50.000 | ug/l     | 0.00     |
| 63) Chlorobenzene-d5          | 11.865         | 117  | 298386   | 50.000 | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.788         | 152  | 126117   | 50.000 | ug/l     | 0.00     |
|                               |                |      |          |        |          |          |
| System Monitoring Compounds   |                |      |          |        |          |          |
| 33) 1,2-Dichloroethane-d4     | 8.576          | 65   | 136115   | 56.801 | ug/l     | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery | =      | 113.600% |          |
| 35) Dibromofluoromethane      | 8.165          | 113  | 121737   | 53.396 | ug/l     | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery | =      | 106.800% |          |
| 50) Toluene-d8                | 10.565         | 98   | 400682   | 48.424 | ug/l     | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery | =      | 96.840%  |          |
| 62) 4-Bromofluorobenzene      | 12.847         | 95   | 130785   | 44.320 | ug/l     | 0.00     |
| Spiked Amount 50.000          | Range 77 - 121 |      | Recovery | =      | 88.640%  |          |
|                               |                |      |          |        |          |          |
| Target Compounds              |                |      |          |        |          | Qvalue   |
| 16) Acetone                   | 4.430          | 43   | 15746    | 21.508 | ug/l     | 99       |
| 20) Methylene Chloride        | 5.277          | 84   | 8310     | 3.880  | ug/l #   | 85       |
| 25) 2-Butanone                | 7.488          | 43   | 2037     | 1.928  | ug/l #   | 80       |
| 31) Cyclohexane               | 8.218          | 56   | 3656     | 1.224  | ug/l #   | 2        |
| 36) 1,1-Dichloropropene       | 8.218          | 75   | 14323    | 4.771  | ug/l #   | 48       |
| 38) Carbon Tetrachloride      | 8.224          | 117  | 18376    | 4.655  | ug/l #   | 17       |
| 43) Isopropyl Acetate         | 8.682          | 43   | 10967    | 1.998  | ug/l #   | 50       |
| 51) 4-Methyl-2-Pentanone      | 10.447         | 43   | 973      | 0.402  | ug/l #   | 30       |
| 71) Bromoform                 | 12.847         | 173  | 1004     | 0.473  | ug/l #   | 1        |
| 76) 1,2,3-Trichloropropane    | 12.847         | 75   | 65806    | 23.306 | ug/l #   | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.847         | 75   | 65806    | 61.618 | ug/l #   | 16       |
| -----                         |                |      |          |        |          |          |

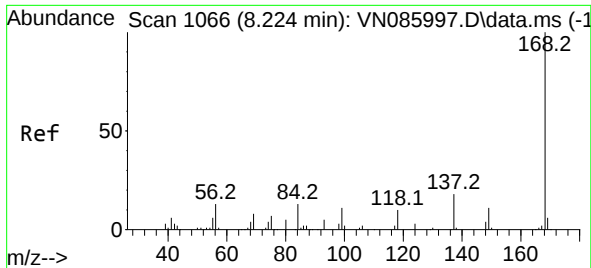
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032825\  
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Sample : Q1664-10  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
P001-BBDGA-002-01

Quant Time: Mar 28 23:38:50 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031825W.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 19 03:20:56 2025  
Response via : Initial Calibration

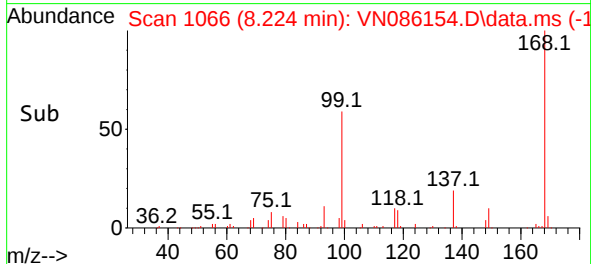
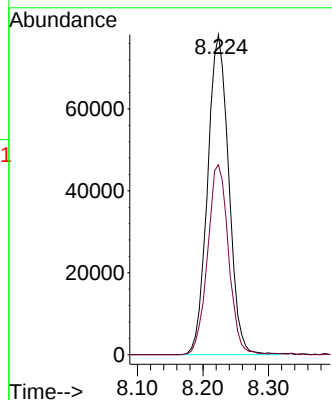
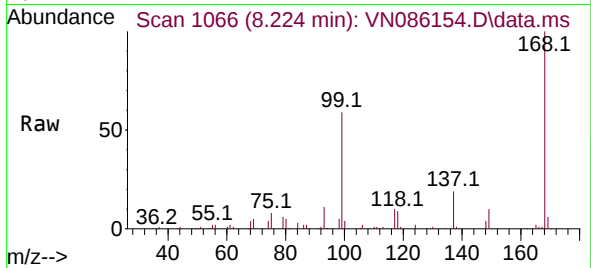




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN086154.D  
Acq: 28 Mar 2025 16:42

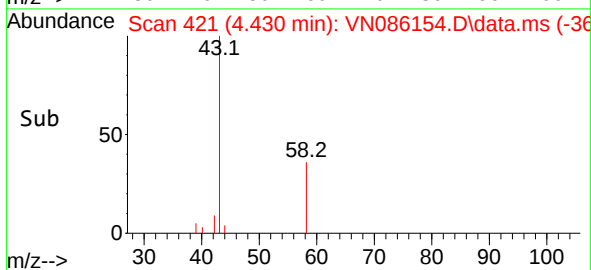
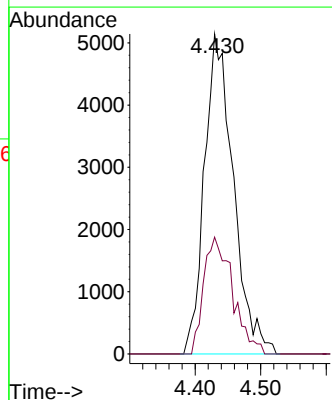
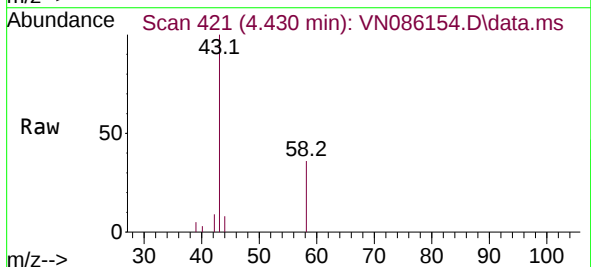
Instrument :  
MSVOA\_N  
ClientSampleId :  
P001-BBDGA-002-01

Tgt Ion:168 Resp: 175001  
Ion Ratio Lower Upper  
168 100  
99 59.4 49.4 74.2



#16  
Acetone  
Concen: 21.508 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. 0.006 min  
Lab File: VN086154.D  
Acq: 28 Mar 2025 16:42

Tgt Ion: 43 Resp: 15746  
Ion Ratio Lower Upper  
43 100  
58 36.5 29.4 44.2

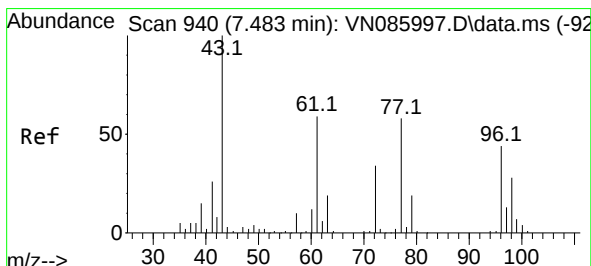
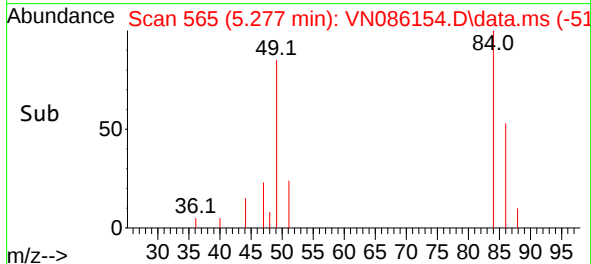
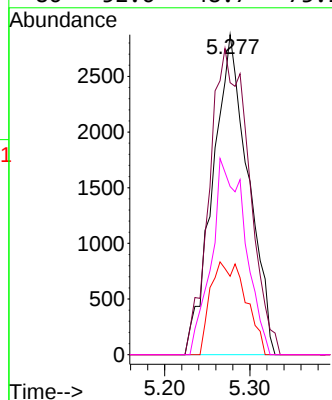
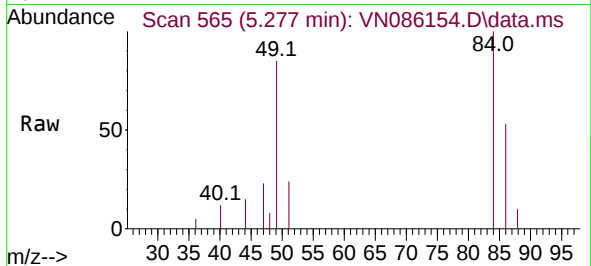




#20  
Methylene Chloride  
Concen: 3.880 ug/l  
RT: 5.277 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VN086154.D  
Acq: 28 Mar 2025 16:42

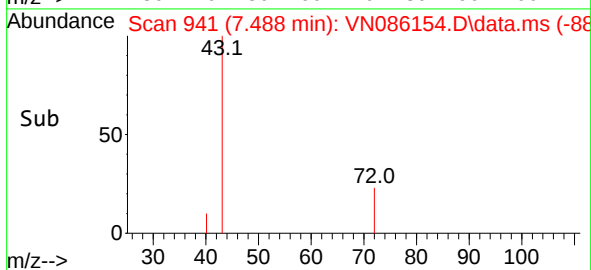
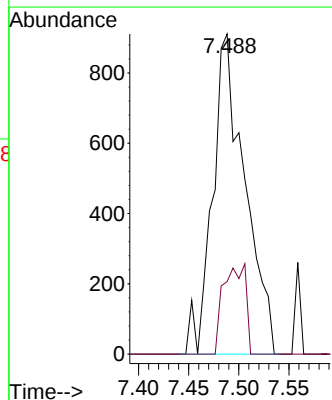
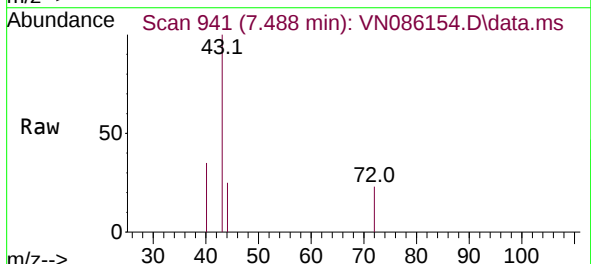
Instrument :  
MSVOA\_N  
ClientSampleId :  
P001-BBDGA-002-01

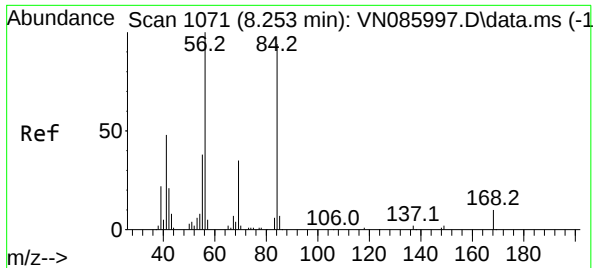
|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 8310  |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 85.0     | 83.3 124.9  |
| 51 24.5     | 24.8 37.2#  |
| 86 52.6     | 48.7 73.1   |



#25  
2-Butanone  
Concen: 1.928 ug/l  
RT: 7.488 min Scan# 941  
Delta R.T. 0.006 min  
Lab File: VN086154.D  
Acq: 28 Mar 2025 16:42

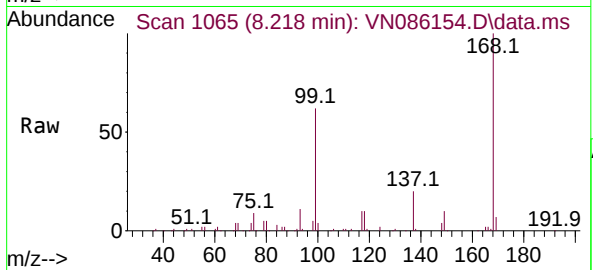
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 2037  |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 72 22.6     | 27.4 41.0#  |



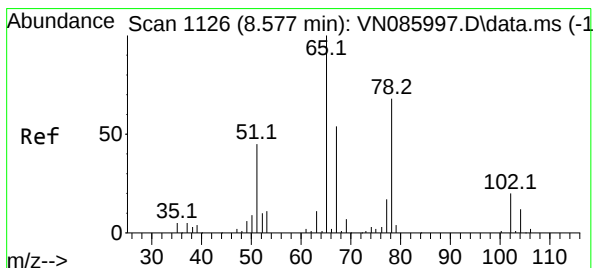
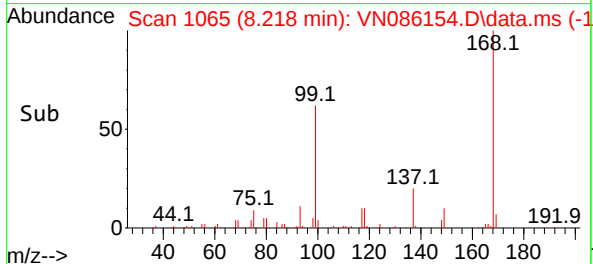
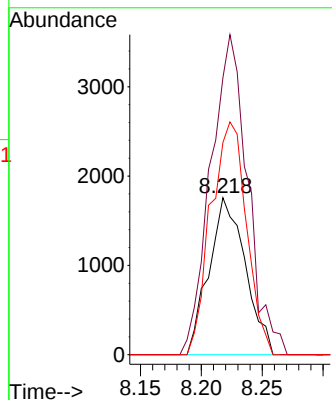


#31  
Cyclohexane  
Concen: 1.224 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.036 min  
Lab File: VN086154.D  
Acq: 28 Mar 2025 16:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
P001-BBDGA-002-01

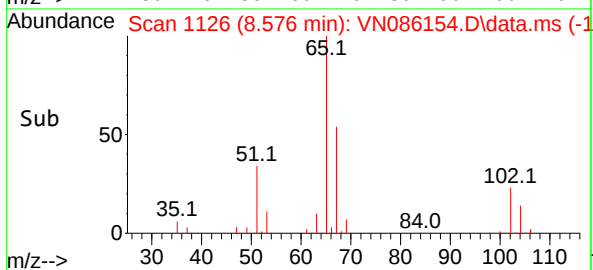
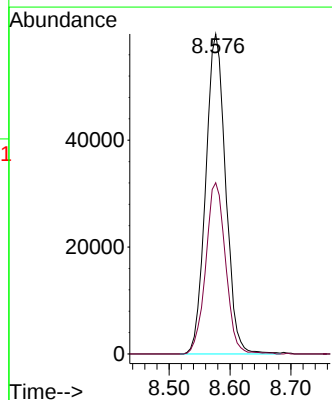
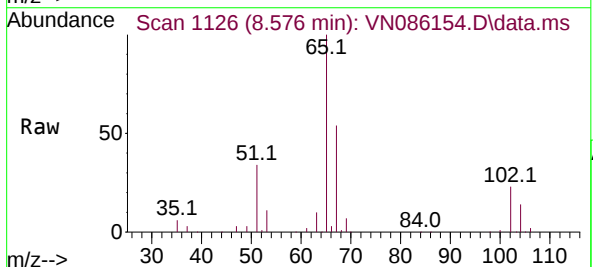


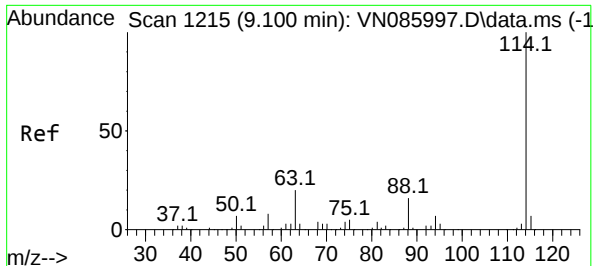
Tgt Ion: 56 Resp: 3656  
Ion Ratio Lower Upper  
56 100  
69 176.6 28.0 42.0#  
84 135.2 75.0 112.6#



#33  
1,2-Dichloroethane-d4  
Concen: 56.801 ug/l  
RT: 8.576 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VN086154.D  
Acq: 28 Mar 2025 16:42

Tgt Ion: 65 Resp: 136115  
Ion Ratio Lower Upper  
65 100  
67 53.2 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086154.D

Acq: 28 Mar 2025 16:42

Instrument :

MSVOA\_N

ClientSampleId :

P001-BBDGA-002-01

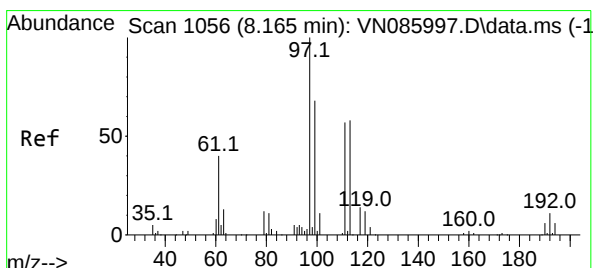
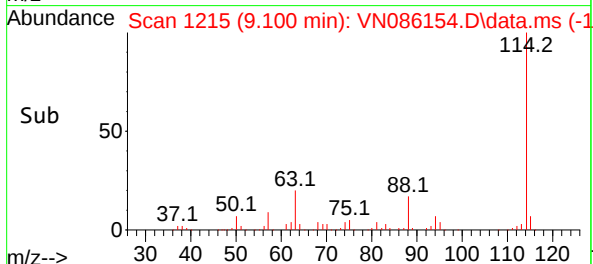
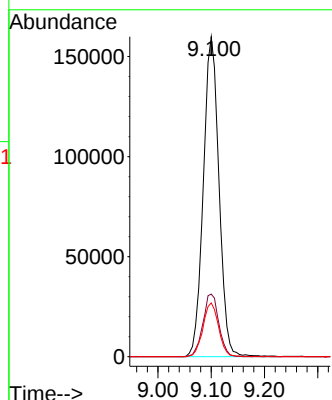
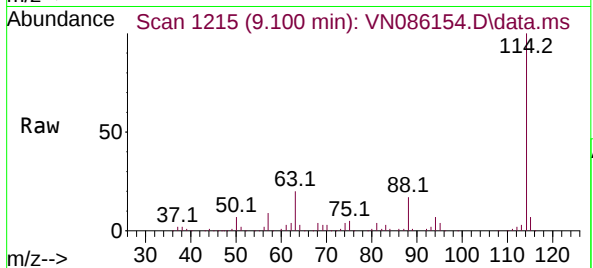
Tgt Ion:114 Resp: 326640

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

88 16.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 53.396 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086154.D

Acq: 28 Mar 2025 16:42

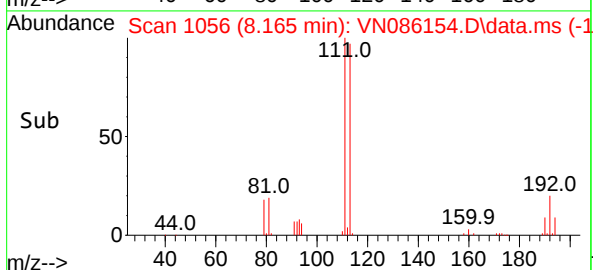
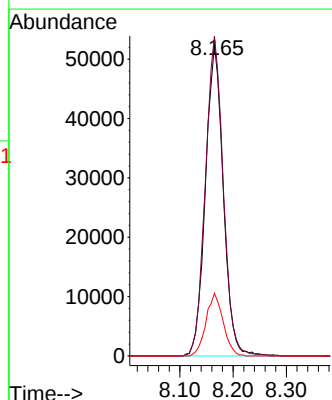
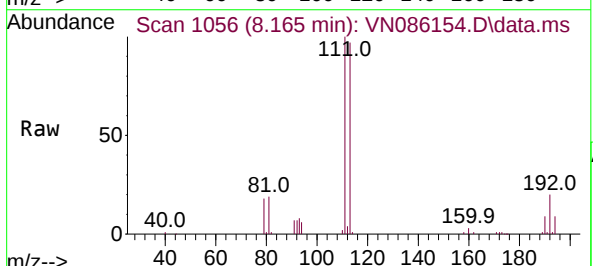
Tgt Ion:113 Resp: 121737

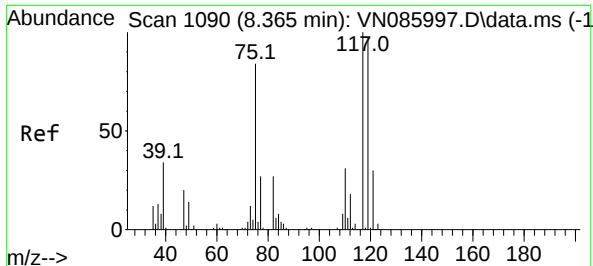
Ion Ratio Lower Upper

113 100

111 103.6 81.8 122.8

192 19.4 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.771 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086154.D

Acq: 28 Mar 2025 16:42

Instrument :

MSVOA\_N

ClientSampleId :

P001-BBDGA-002-01

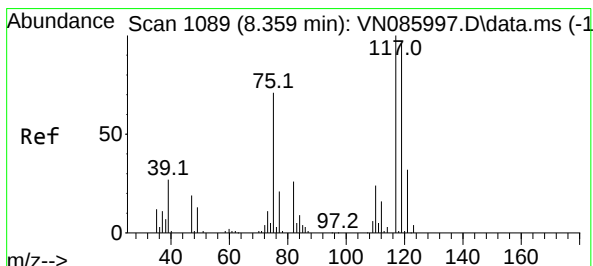
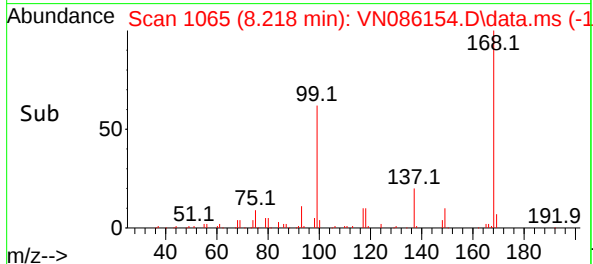
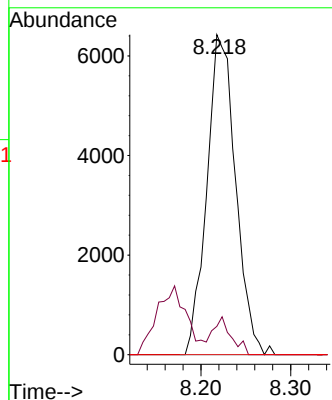
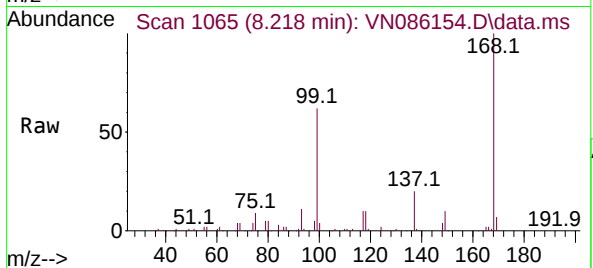
Tgt Ion: 75 Resp: 14323

Ion Ratio Lower Upper

75 100

110 7.4 17.8 53.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 4.655 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.136 min

Lab File: VN086154.D

Acq: 28 Mar 2025 16:42

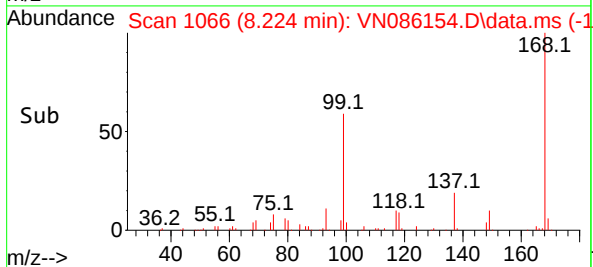
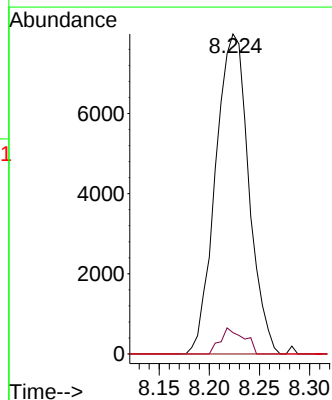
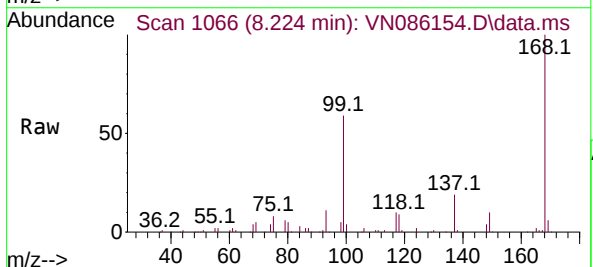
Tgt Ion: 117 Resp: 18376

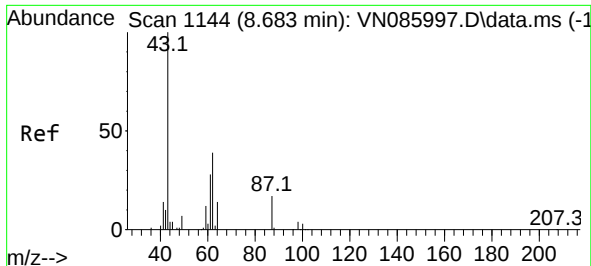
Ion Ratio Lower Upper

117 100

119 6.7 77.0 115.4#

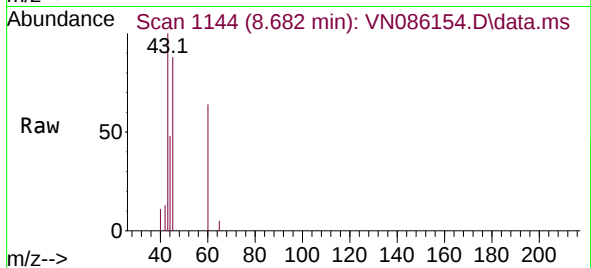
121 0.0 25.6 38.4#



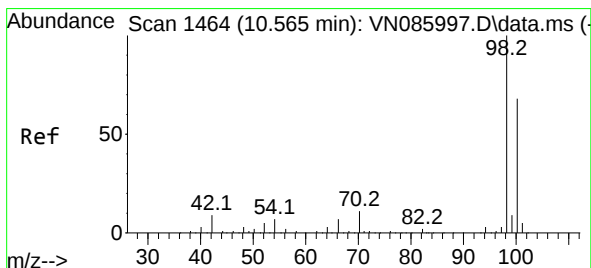
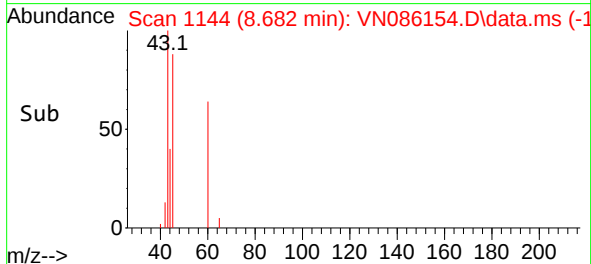
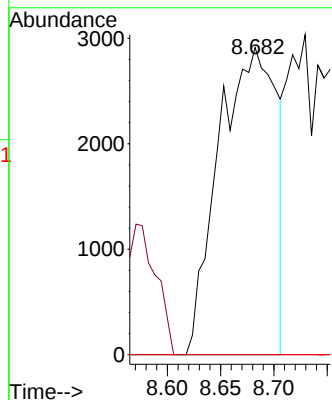


#43  
Isopropyl Acetate  
Concen: 1.998 ug/l  
RT: 8.682 min Scan# 1144  
Delta R.T. -0.000 min  
Lab File: VN086154.D  
Acq: 28 Mar 2025 16:42

Instrument :  
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ClientSampleId :  
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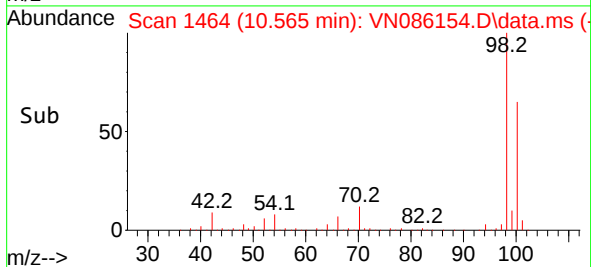
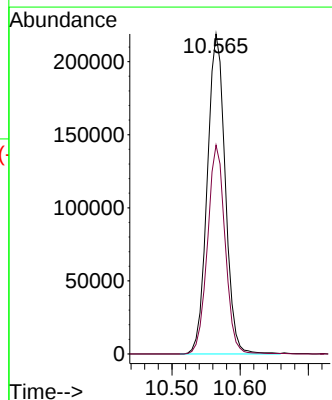
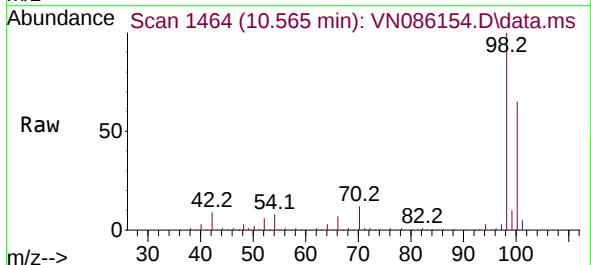


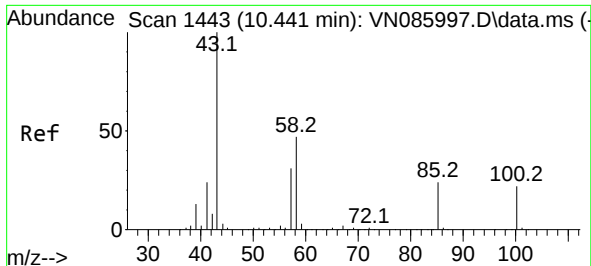
Tgt Ion: 43 Resp: 10967  
Ion Ratio Lower Upper  
43 100  
61 0.0 25.0 37.6#  
87 0.0 13.0 19.4#



#50  
Toluene-d8  
Concen: 48.424 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN086154.D  
Acq: 28 Mar 2025 16:42

Tgt Ion: 98 Resp: 400682  
Ion Ratio Lower Upper  
98 100  
100 64.1 53.1 79.7

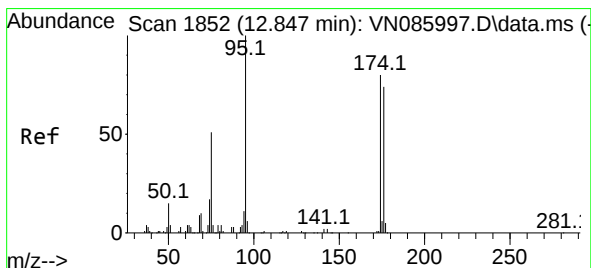
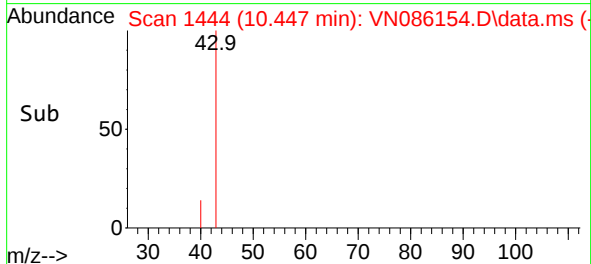
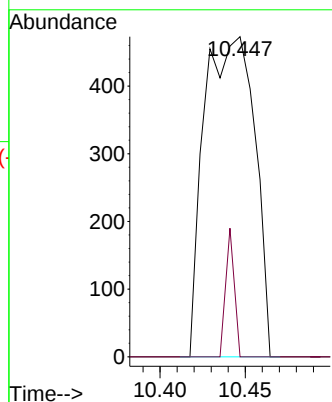
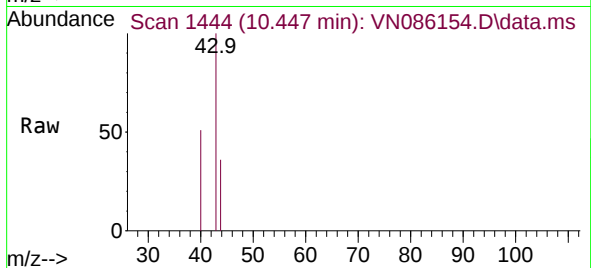




#51  
4-Methyl-2-Pentanone  
Concen: 0.402 ug/l  
RT: 10.447 min Scan# 1443  
Delta R.T. 0.006 min  
Lab File: VN086154.D  
Acq: 28 Mar 2025 16:42

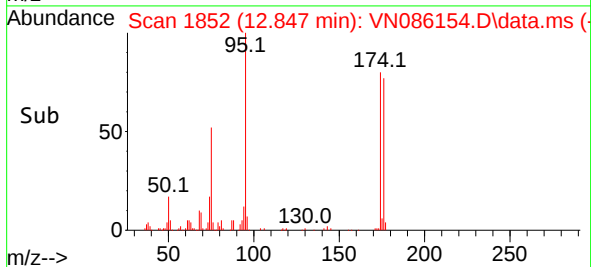
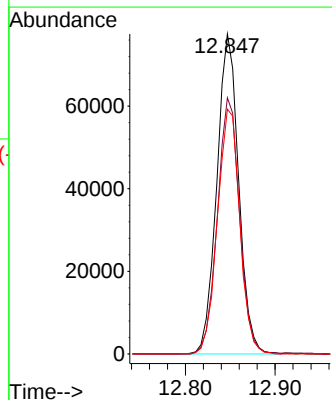
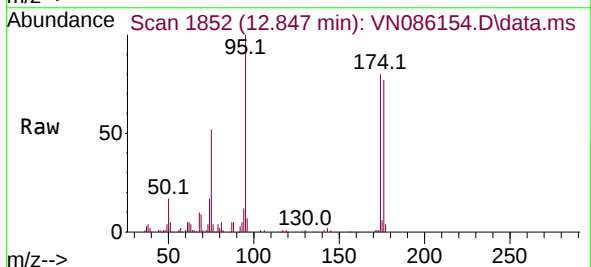
Instrument :  
MSVOA\_N  
ClientSampleId :  
P001-BBDGA-002-01

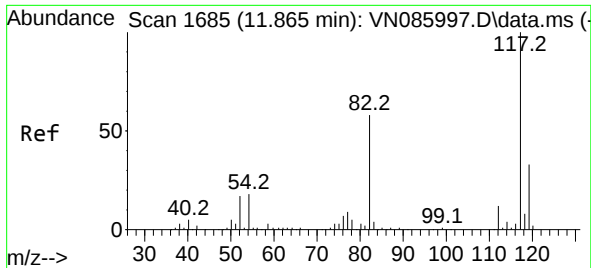
Tgt Ion: 43 Resp: 973  
Ion Ratio Lower Upper  
43 100  
58 0.0 37.4 56.0#



#62  
4-Bromofluorobenzene  
Concen: 44.320 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN086154.D  
Acq: 28 Mar 2025 16:42

Tgt Ion: 95 Resp: 130785  
Ion Ratio Lower Upper  
95 100  
174 81.2 0.0 156.8  
176 78.3 0.0 152.2

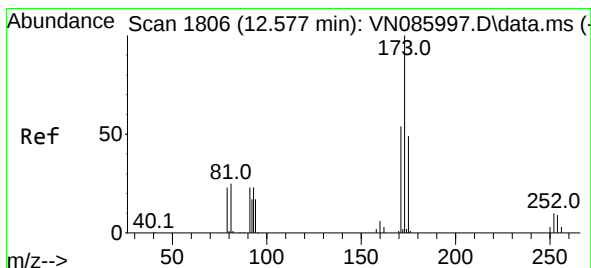
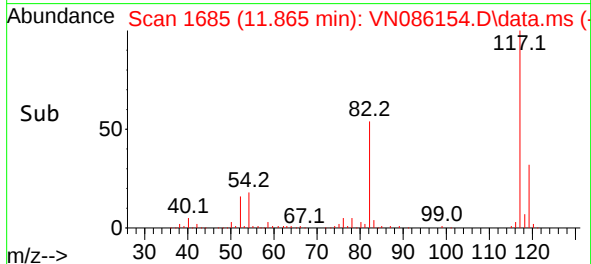
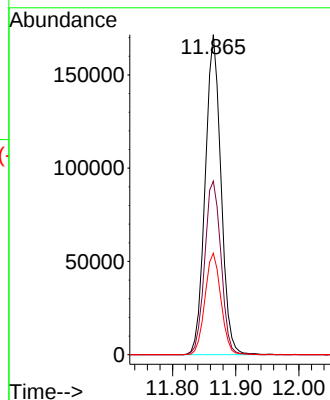
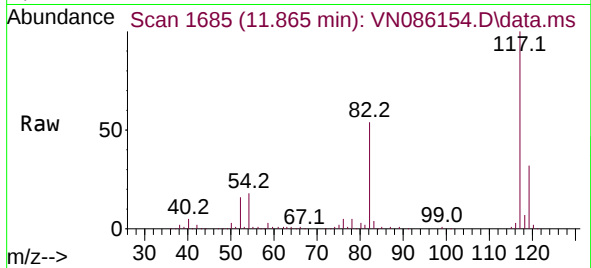




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN086154.D  
Acq: 28 Mar 2025 16:42

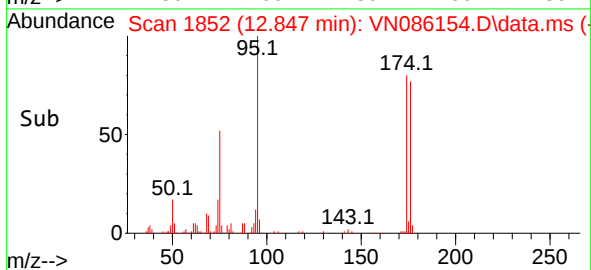
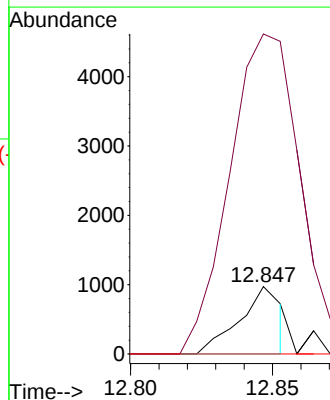
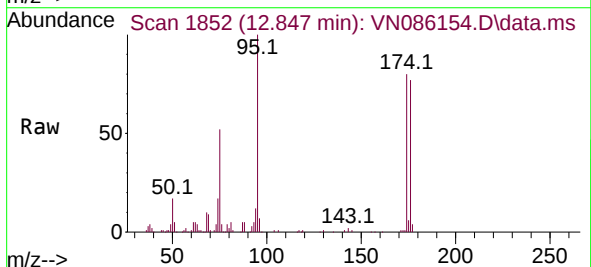
Instrument :  
MSVOA\_N  
ClientSampleId :  
P001-BBDGA-002-01

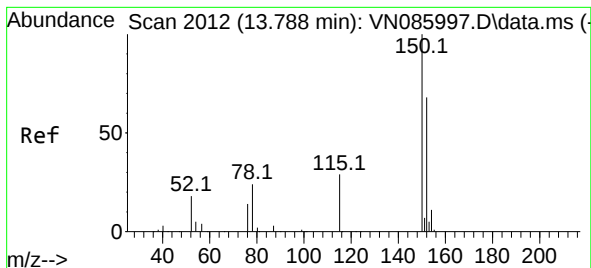
Tgt Ion:117 Resp: 298386  
Ion Ratio Lower Upper  
117 100  
82 54.3 46.7 70.1  
119 31.7 26.5 39.7



#71  
Bromoform  
Concen: 0.473 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.270 min  
Lab File: VN086154.D  
Acq: 28 Mar 2025 16:42

Tgt Ion:173 Resp: 1004  
Ion Ratio Lower Upper  
173 100  
175 619.3 24.3 73.0#  
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN086154.D

Acq: 28 Mar 2025 16:42

Instrument :

MSVOA\_N

ClientSampleId :

P001-BBDGA-002-01

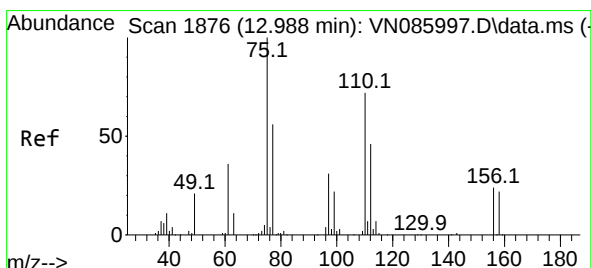
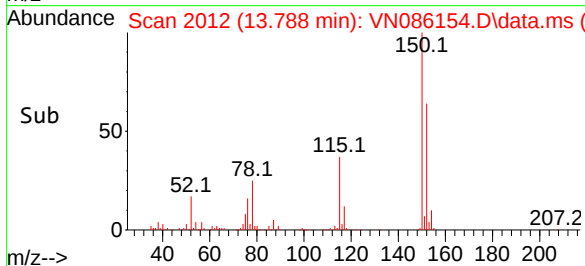
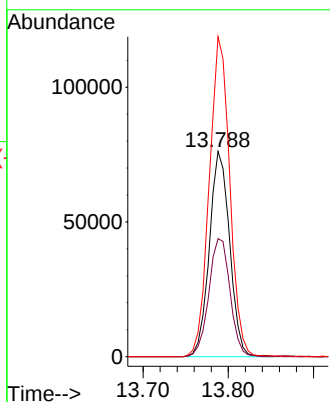
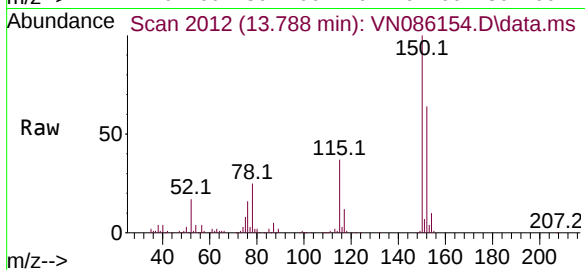
Tgt Ion:152 Resp: 126117

Ion Ratio Lower Upper

152 100

115 60.1 31.1 93.2

150 157.4 0.0 359.6



#76

1,2,3-Trichloropropane

Concen: 23.306 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN086154.D

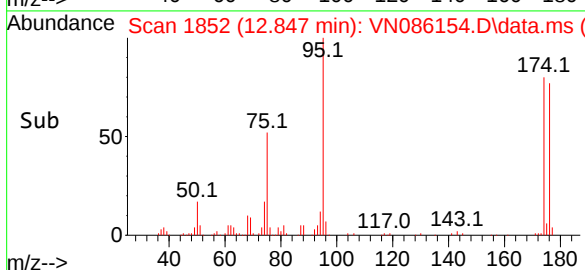
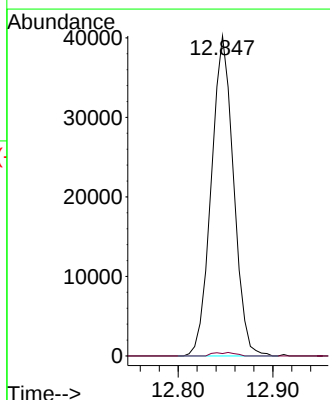
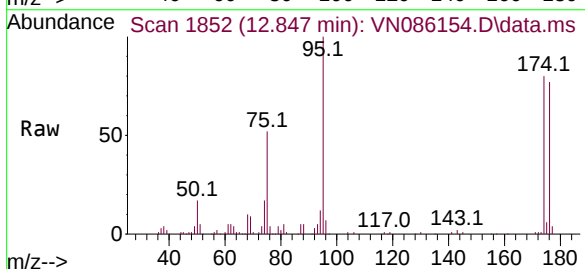
Acq: 28 Mar 2025 16:42

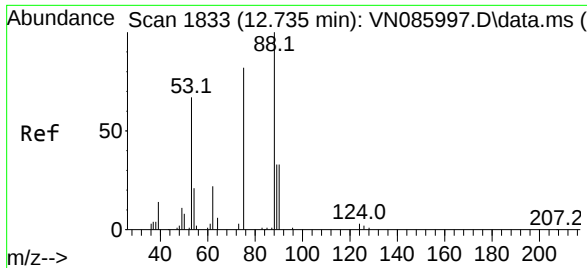
Tgt Ion: 75 Resp: 65806

Ion Ratio Lower Upper

75 100

77 1.1 83.7 251.0#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 61.618 ug/l  
RT: 12.847 min Scan# 11  
Delta R.T. 0.111 min  
Lab File: VN086154.D  
Acq: 28 Mar 2025 16:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
P001-BBDGA-002-01

Tgt Ion: 75 Resp: 65806  
Ion Ratio Lower Upper  
75 100  
53 0.0 66.0 99.0#  
89 0.0 36.9 55.3#

