

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032825\  
 Data File : VN086156.D  
 Acq On : 28 Mar 2025 17:30  
 Operator : JC\MD  
 Sample : Q1664-14  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 P001-BBDGA-004-01

Quant Time: Mar 28 23:39:13 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

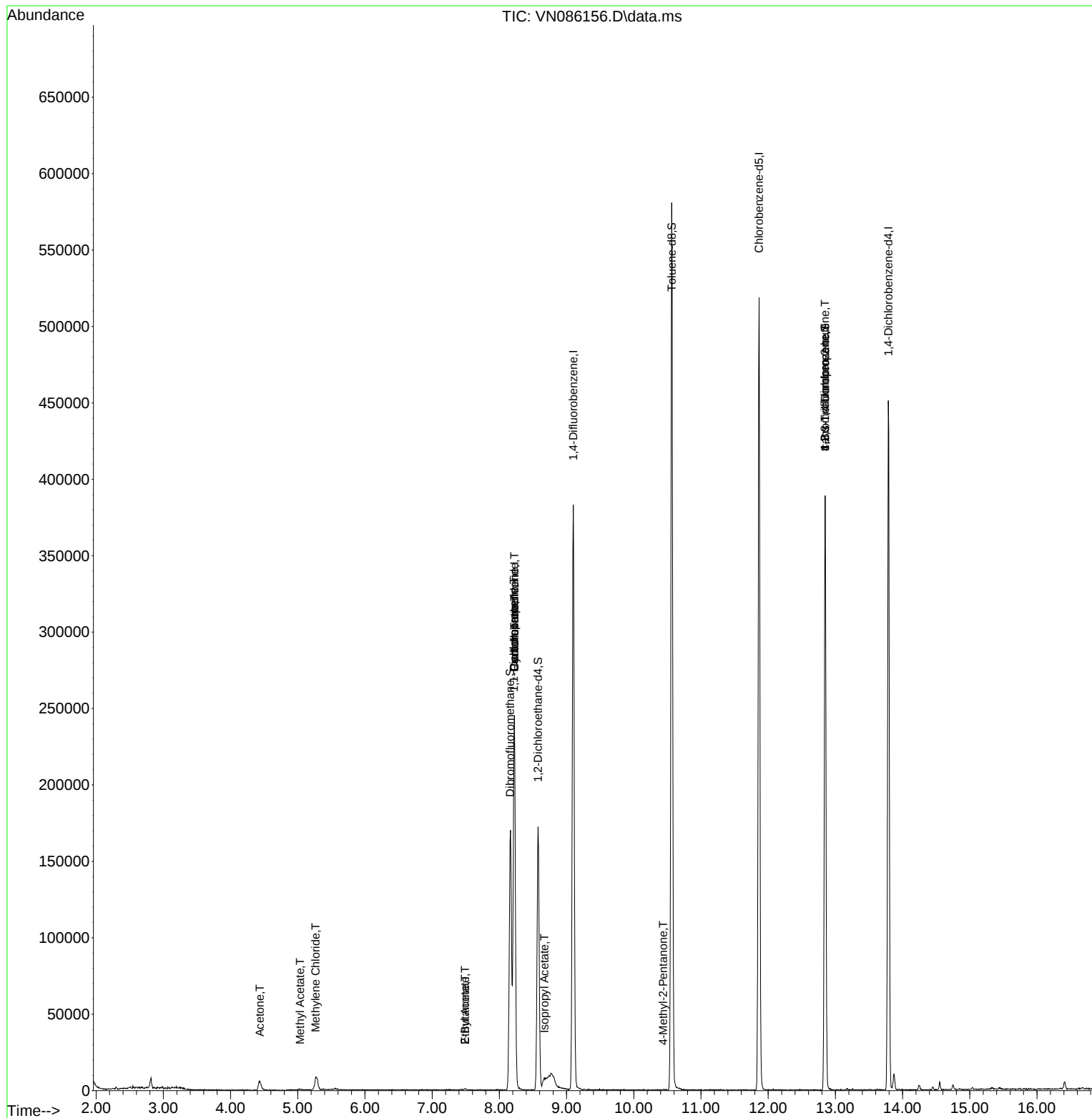
| Compound                      | R.T. QIon |       | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|--------|----------|
| -----                         |           |       |          |          |        |          |
| Internal Standards            |           |       |          |          |        |          |
| 1) Pentafluorobenzene         | 8.224     | 168   | 176706   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.100     | 114   | 334362   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.865    | 117   | 305366   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.788    | 152   | 129697   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |           |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.577     | 65    | 139326   | 57.580   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 74 - 125 | Recovery | =      | 115.160% |
| 35) Dibromofluoromethane      | 8.159     | 113   | 124774   | 53.464   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 75 - 124 | Recovery | =      | 106.920% |
| 50) Toluene-d8                | 10.565    | 98    | 412094   | 48.653   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 86 - 113 | Recovery | =      | 97.300%  |
| 62) 4-Bromofluorobenzene      | 12.847    | 95    | 137582   | 45.547   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 77 - 121 | Recovery | =      | 91.100%  |
| Target Compounds              |           |       |          |          |        |          |
|                               |           |       |          |          |        | Qvalue   |
| 16) Acetone                   | 4.436     | 43    | 11274    | 15.251   | ug/l   | 96       |
| 18) Methyl Acetate            | 5.036     | 43    | 1229     | 0.672    | ug/l # | 45       |
| 20) Methylene Chloride        | 5.265     | 84    | 7732     | 3.575    | ug/l   | 87       |
| 25) 2-Butanone                | 7.488     | 43    | 1355     | 1.270    | ug/l   | 98       |
| 31) Cyclohexane               | 8.224     | 56    | 3617     | 1.200    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 8.218     | 75    | 14496    | 4.717    | ug/l # | 49       |
| 37) Ethyl Acetate             | 7.488     | 43    | 1355     | 0.523    | ug/l # | 64       |
| 38) Carbon Tetrachloride      | 8.224     | 117   | 18738    | 4.637    | ug/l # | 17       |
| 43) Isopropyl Acetate         | 8.671     | 43    | 6437     | 1.146    | ug/l # | 50       |
| 51) 4-Methyl-2-Pentanone      | 10.435    | 43    | 622      | 0.251    | ug/l # | 30       |
| 76) 1,2,3-Trichloropropane    | 12.847    | 75    | 66989    | 23.070   | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.847    | 75    | 66989    | 60.994   | ug/l # | 16       |
| -----                         |           |       |          |          |        |          |

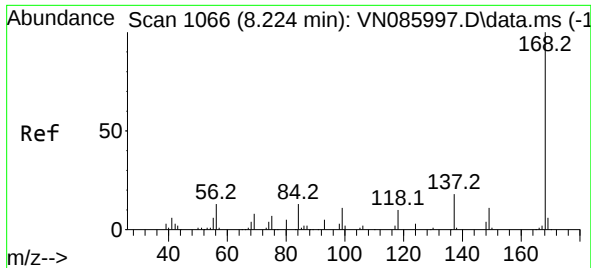
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Mar 19 03:20:56 2025  
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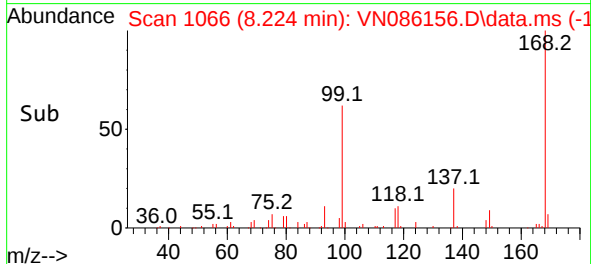
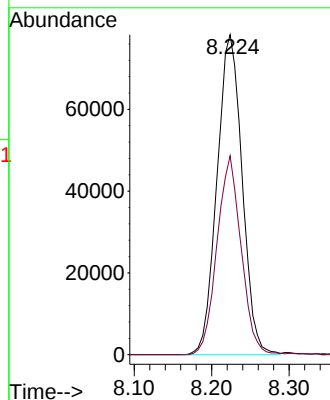
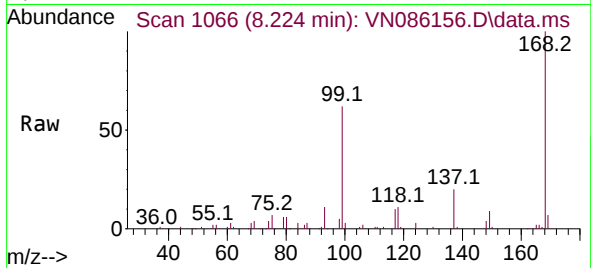




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN086156.D  
Acq: 28 Mar 2025 17:30

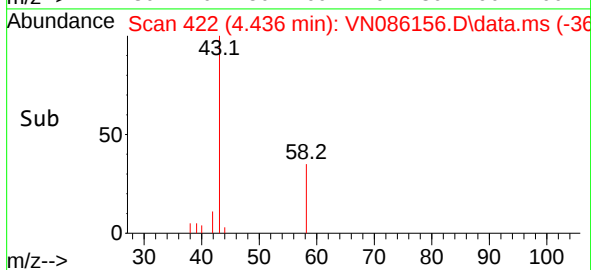
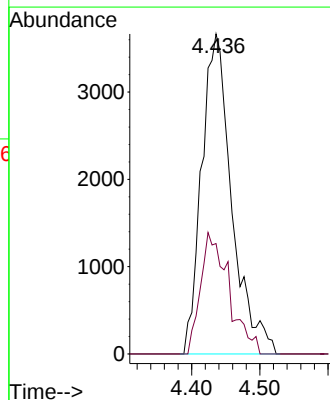
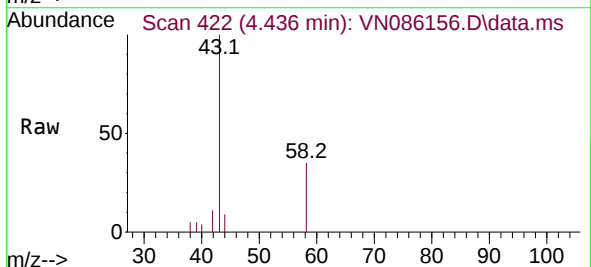
Instrument :  
MSVOA\_N  
ClientSampleId :  
P001-BBDGA-004-01

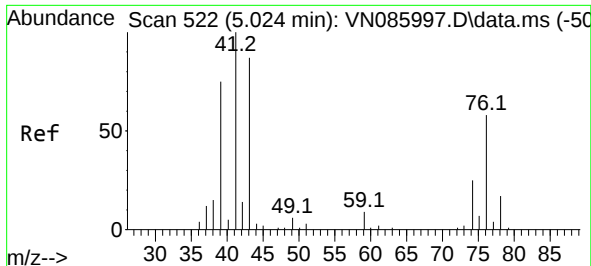
Tgt Ion:168 Resp: 176706  
Ion Ratio Lower Upper  
168 100  
99 62.2 49.4 74.2



#16  
Acetone  
Concen: 15.251 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. 0.012 min  
Lab File: VN086156.D  
Acq: 28 Mar 2025 17:30

Tgt Ion: 43 Resp: 11274  
Ion Ratio Lower Upper  
43 100  
58 34.5 29.4 44.2

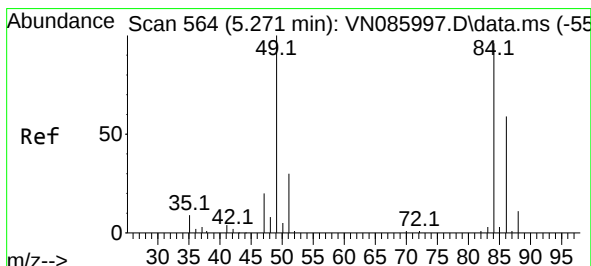
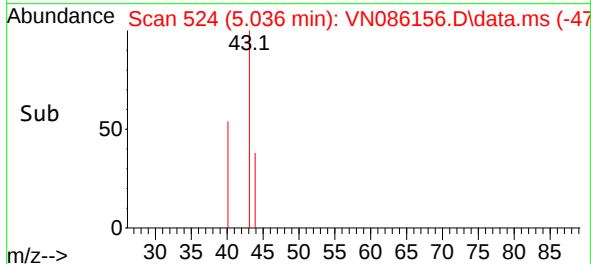
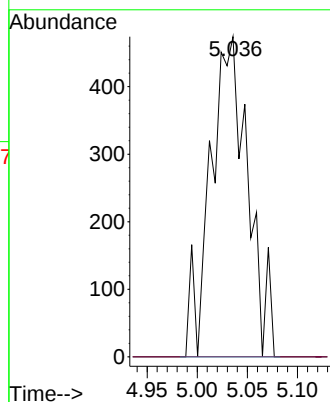
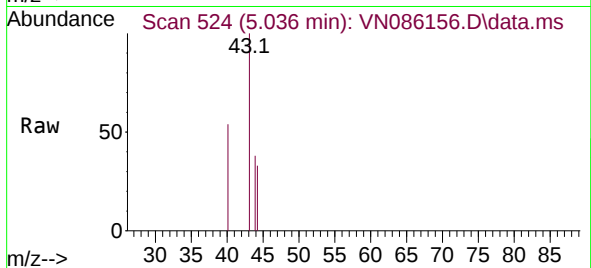




#18  
Methyl Acetate  
Concen: 0.672 ug/l  
RT: 5.036 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VN086156.D  
Acq: 28 Mar 2025 17:30

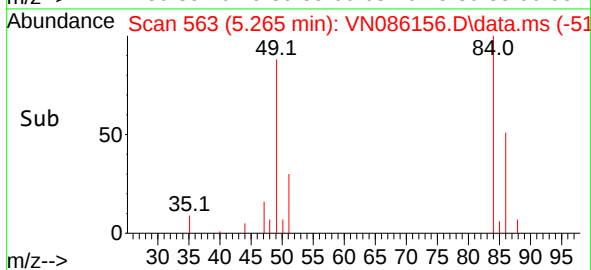
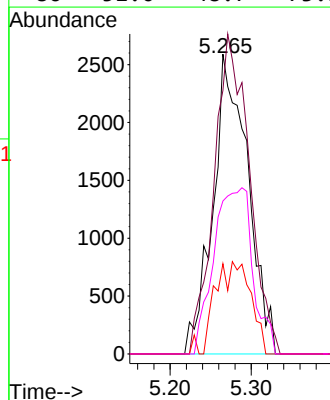
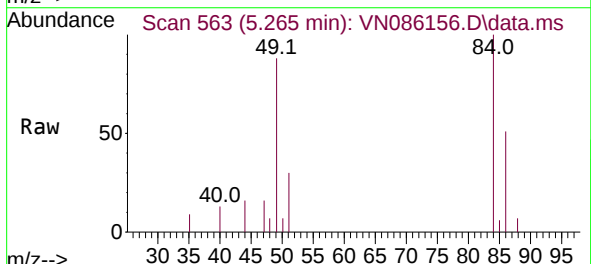
Instrument :  
MSVOA\_N  
ClientSampleId :  
P001-BBDGA-004-01

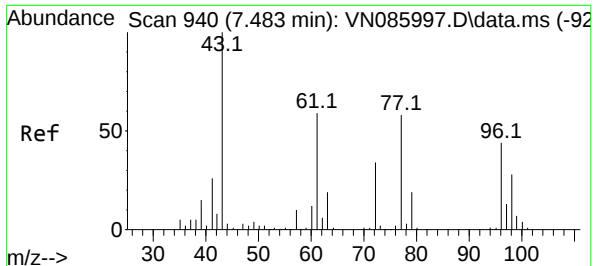
Tgt Ion: 43 Resp: 1229  
Ion Ratio Lower Upper  
43 100  
74 0.0 23.9 35.9#



#20  
Methylene Chloride  
Concen: 3.575 ug/l  
RT: 5.265 min Scan# 563  
Delta R.T. -0.006 min  
Lab File: VN086156.D  
Acq: 28 Mar 2025 17:30

Tgt Ion: 84 Resp: 7732  
Ion Ratio Lower Upper  
84 100  
49 87.9 83.3 124.9  
51 30.1 24.8 37.2  
86 51.0 48.7 73.1

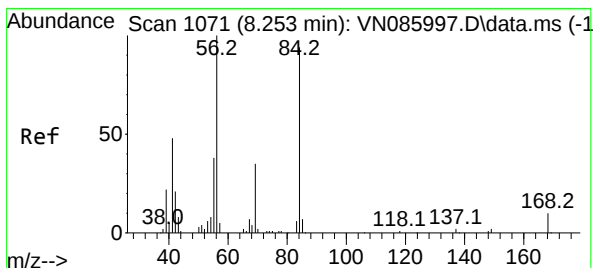
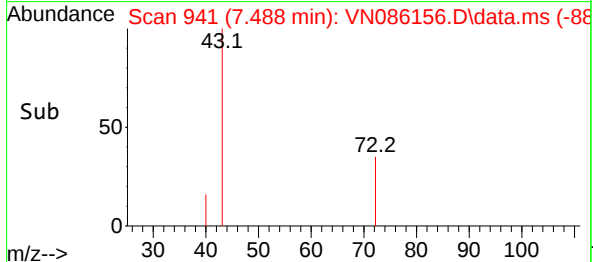
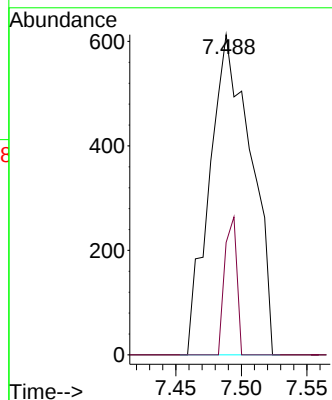
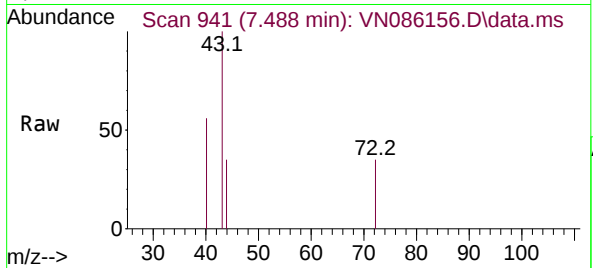




#25  
2-Butanone  
Concen: 1.270 ug/l  
RT: 7.488 min Scan# 941  
Delta R.T. 0.006 min  
Lab File: VN086156.D  
Acq: 28 Mar 2025 17:30

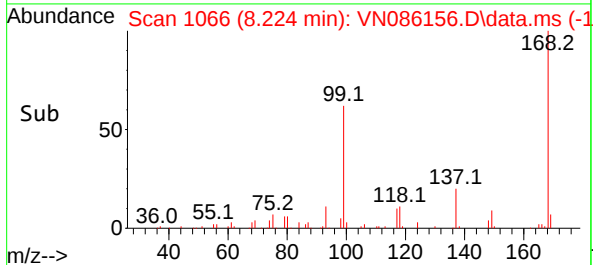
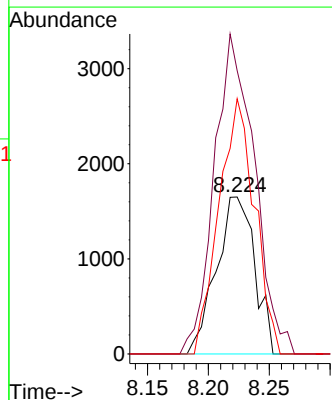
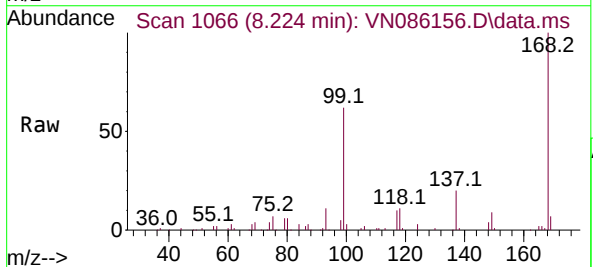
Instrument :  
MSVOA\_N  
ClientSampleId :  
P001-BBDGA-004-01

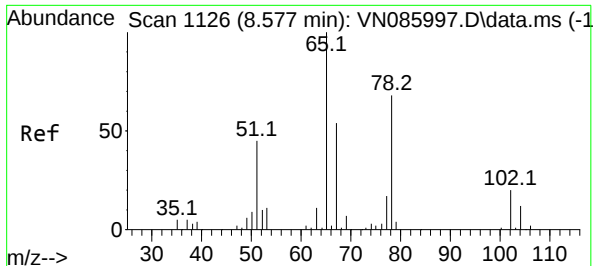
Tgt Ion: 43 Resp: 1355  
Ion Ratio Lower Upper  
43 100  
72 35.1 27.4 41.0



#31  
Cyclohexane  
Concen: 1.200 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.030 min  
Lab File: VN086156.D  
Acq: 28 Mar 2025 17:30

Tgt Ion: 56 Resp: 3617  
Ion Ratio Lower Upper  
56 100  
69 180.5 28.0 42.0#  
84 162.7 75.0 112.6#





#33

1,2-Dichloroethane-d4

Concen: 57.580 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086156.D

Acq: 28 Mar 2025 17:30

Instrument :

MSVOA\_N

ClientSampleId :

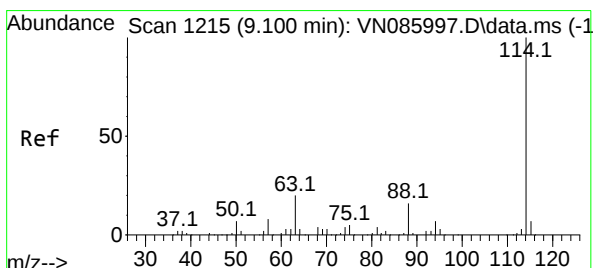
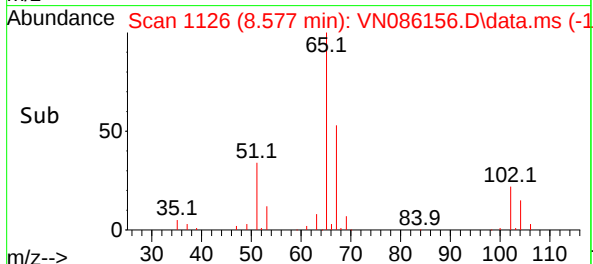
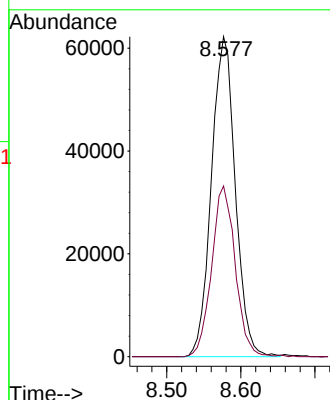
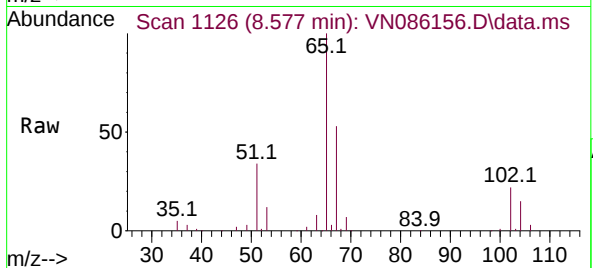
P001-BBDGA-004-01

Tgt Ion: 65 Resp: 139326

Ion Ratio Lower Upper

65 100

67 52.6 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086156.D

Acq: 28 Mar 2025 17:30

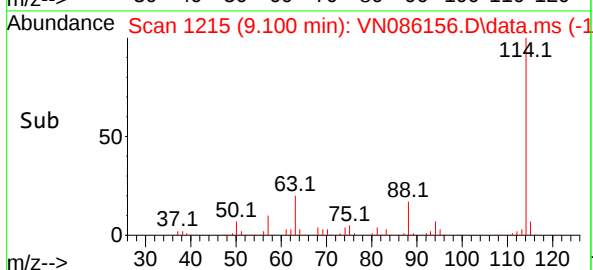
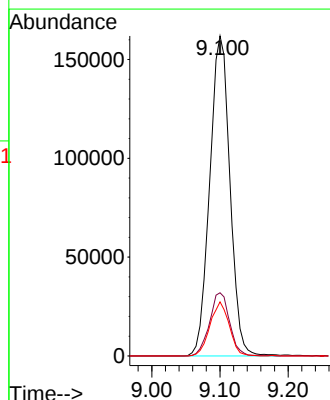
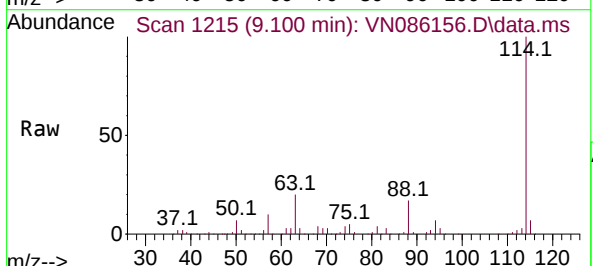
Tgt Ion: 114 Resp: 334362

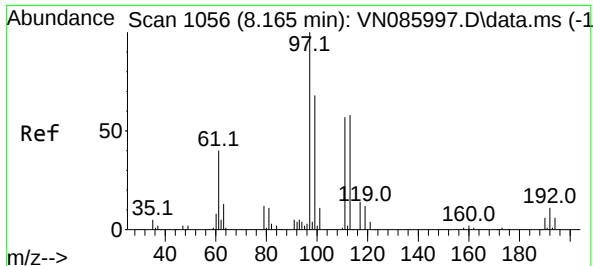
Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.6

88 16.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 53.464 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN086156.D

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ClientSampleId :

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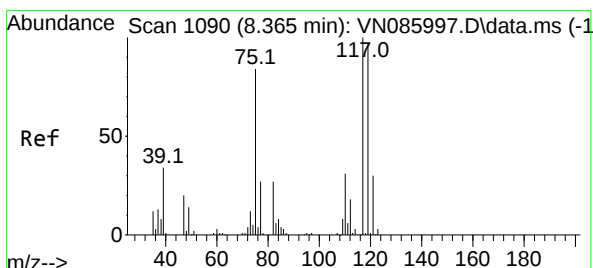
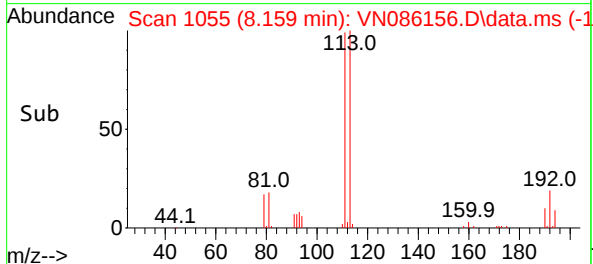
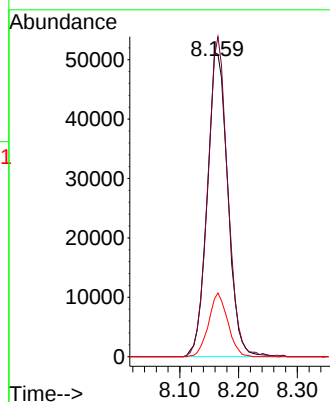
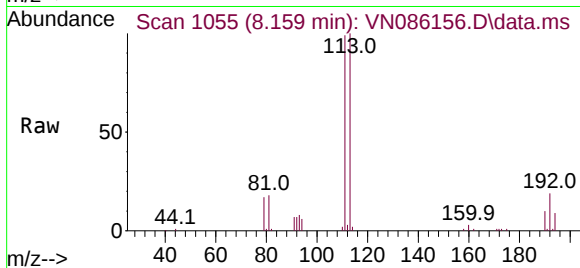
Tgt Ion:113 Resp: 124774

Ion Ratio Lower Upper

113 100

111 101.9 81.8 122.8

192 19.4 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.717 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086156.D

Acq: 28 Mar 2025 17:30

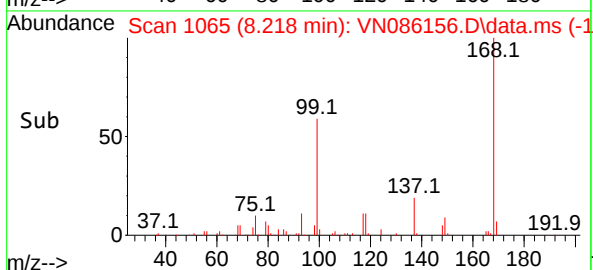
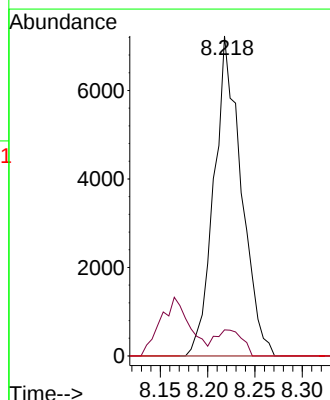
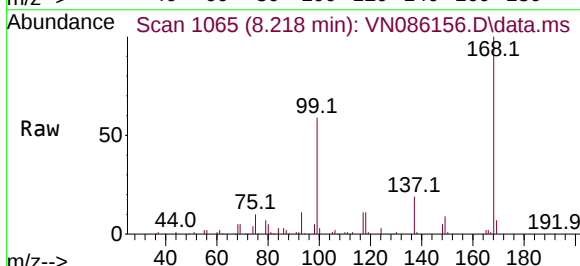
Tgt Ion: 75 Resp: 14496

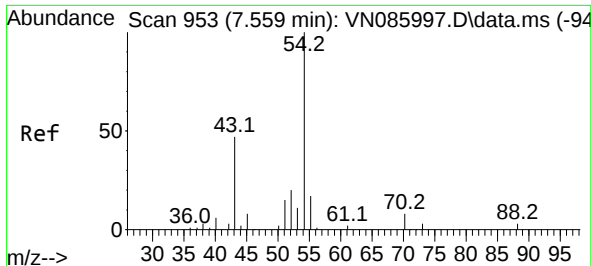
Ion Ratio Lower Upper

75 100

110 8.0 17.8 53.3#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.523 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.071 min

Lab File: VN086156.D

Acq: 28 Mar 2025 17:30

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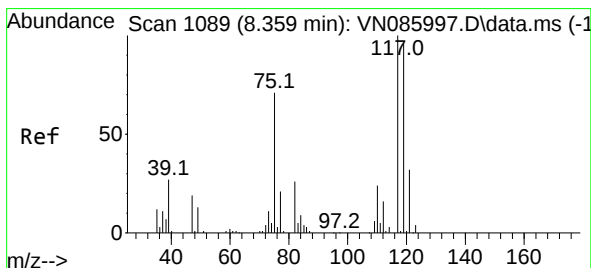
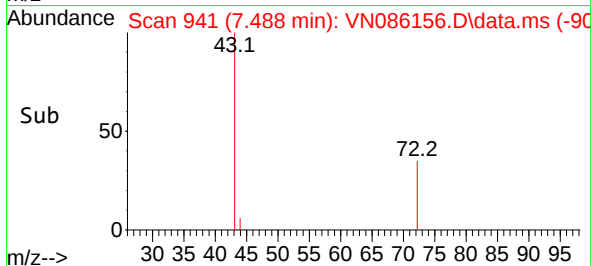
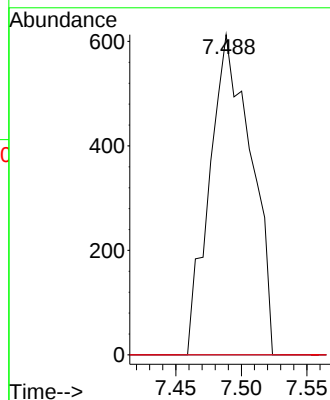
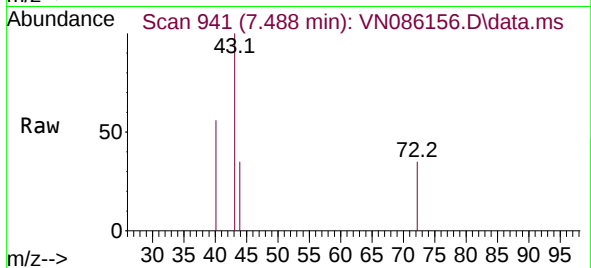
Tgt Ion: 43 Resp: 1355

Ion Ratio Lower Upper

43 100

61 0.0 13.0 19.4#

70 0.0 11.0 16.6#



#38

Carbon Tetrachloride

Concen: 4.637 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN086156.D

Acq: 28 Mar 2025 17:30

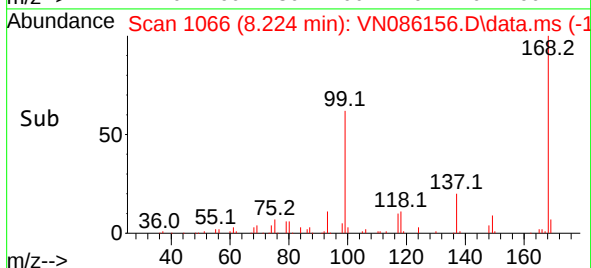
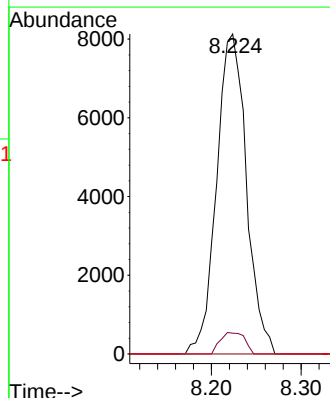
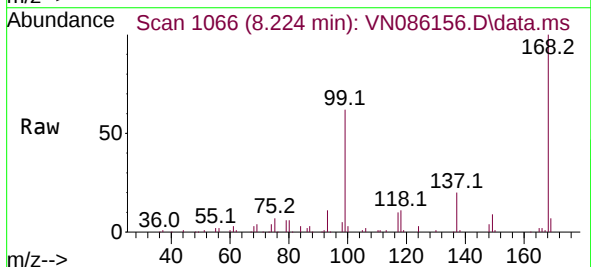
Tgt Ion: 117 Resp: 18738

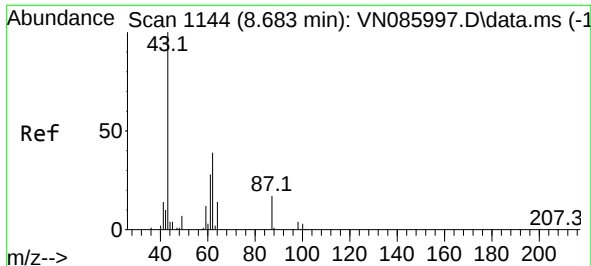
Ion Ratio Lower Upper

117 100

119 6.5 77.0 115.4#

121 0.0 25.6 38.4#

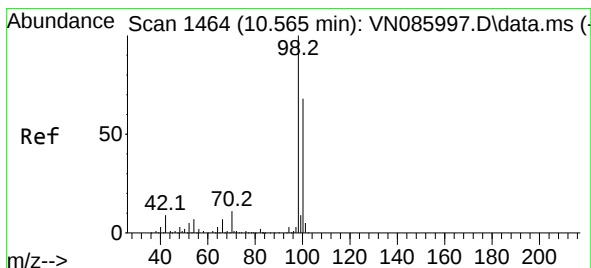
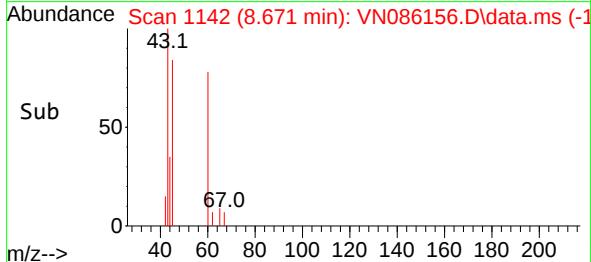
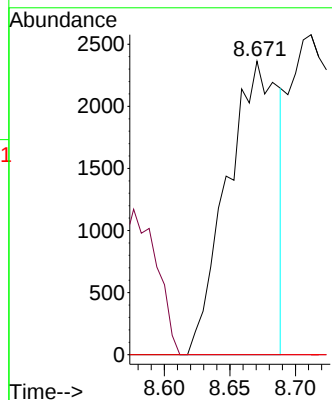
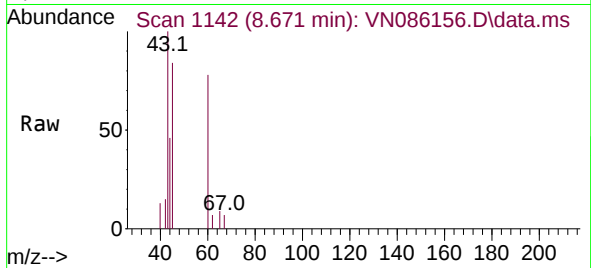




#43  
Isopropyl Acetate  
Concen: 1.146 ug/l  
RT: 8.671 min Scan# 1144  
Delta R.T. -0.012 min  
Lab File: VN086156.D  
Acq: 28 Mar 2025 17:30

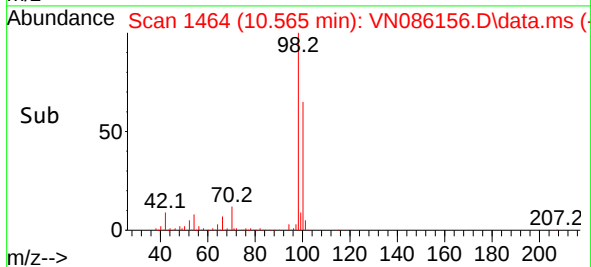
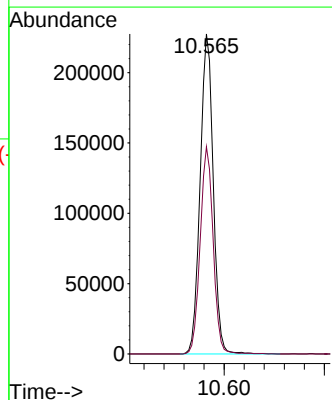
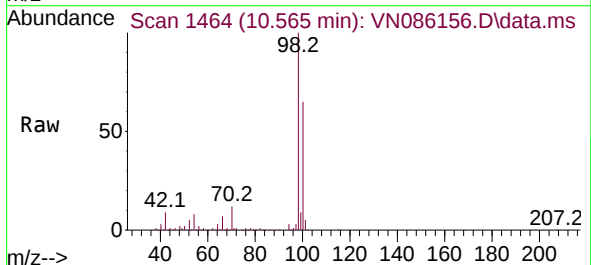
Instrument :  
MSVOA\_N  
ClientSampleId :  
P001-BBDGA-004-01

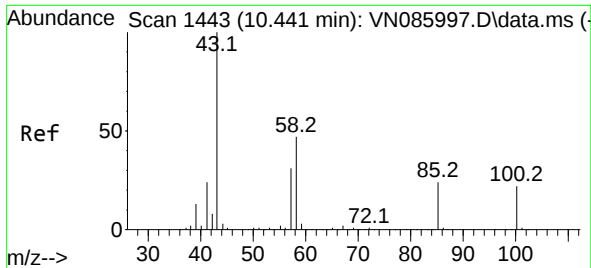
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Ion Ratio Lower Upper  
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61 0.0 25.0 37.6#  
87 0.0 13.0 19.4#



#50  
Toluene-d8  
Concen: 48.653 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN086156.D  
Acq: 28 Mar 2025 17:30

Tgt Ion: 98 Resp: 412094  
Ion Ratio Lower Upper  
98 100  
100 64.2 53.1 79.7

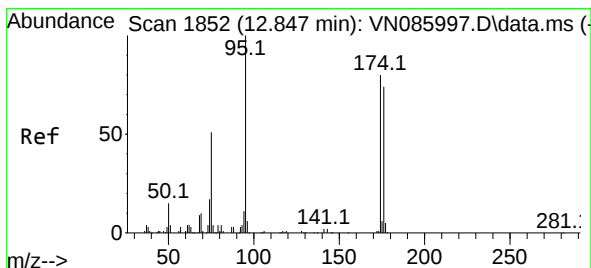
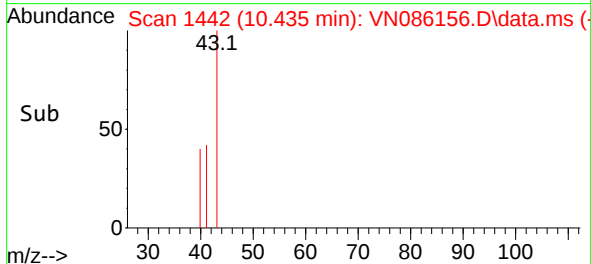
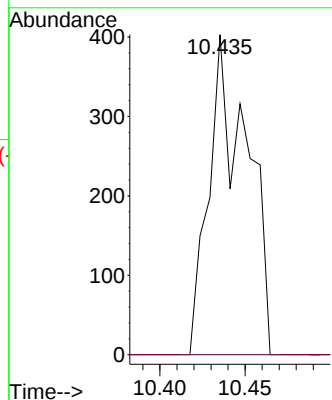
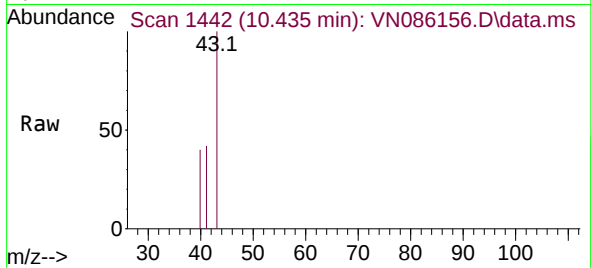




#51  
4-Methyl-2-Pentanone  
Concen: 0.251 ug/l  
RT: 10.435 min Scan# 1443  
Delta R.T. -0.006 min  
Lab File: VN086156.D  
Acq: 28 Mar 2025 17:30

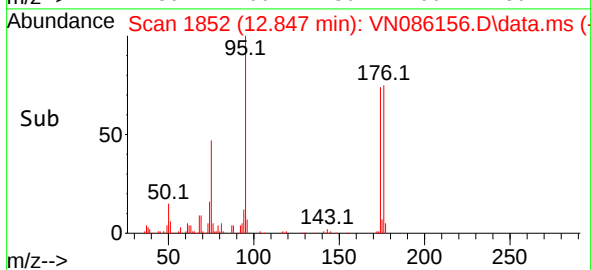
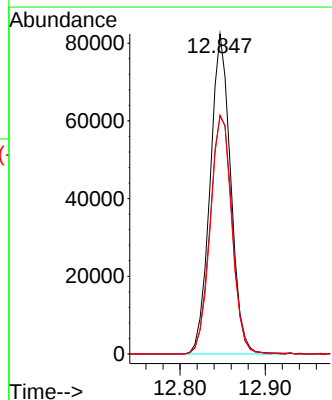
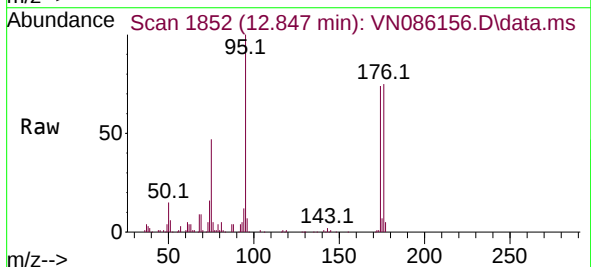
Instrument :  
MSVOA\_N  
ClientSampleId :  
P001-BBDGA-004-01

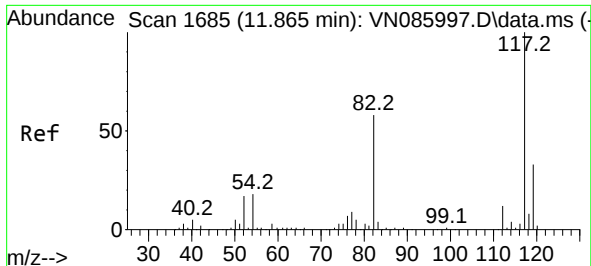
Tgt Ion: 43 Resp: 622  
Ion Ratio Lower Upper  
43 100  
58 0.0 37.4 56.0#



#62  
4-Bromofluorobenzene  
Concen: 45.547 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN086156.D  
Acq: 28 Mar 2025 17:30

Tgt Ion: 95 Resp: 137582  
Ion Ratio Lower Upper  
95 100  
174 80.5 0.0 156.8  
176 78.0 0.0 152.2

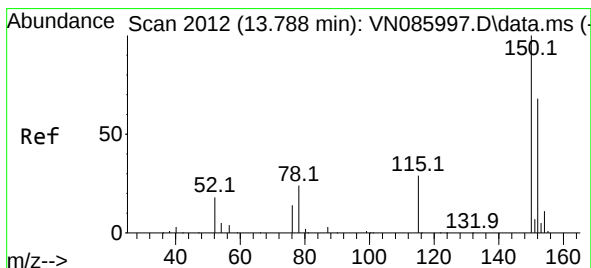
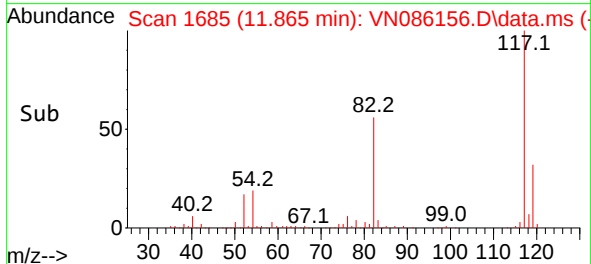
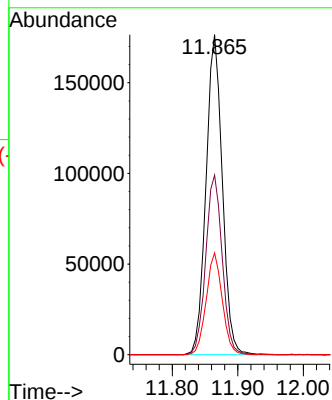
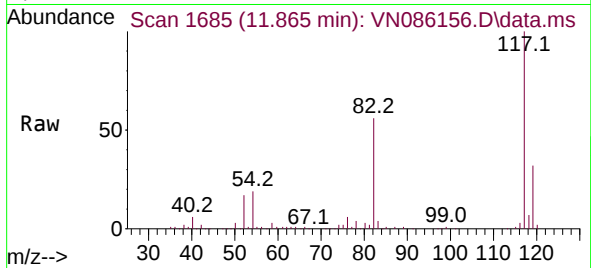




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN086156.D  
Acq: 28 Mar 2025 17:30

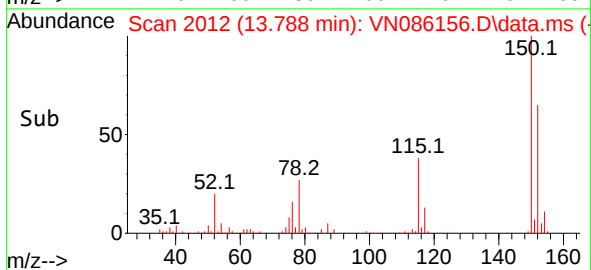
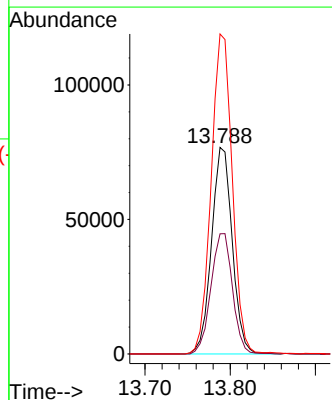
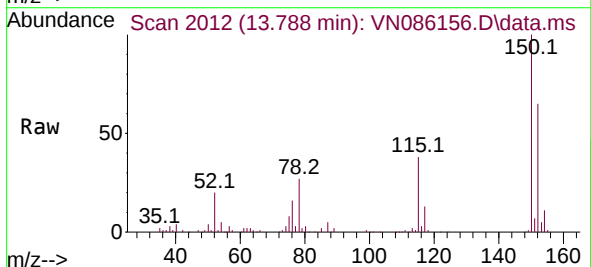
Instrument :  
MSVOA\_N  
ClientSampleId :  
P001-BBDGA-004-01

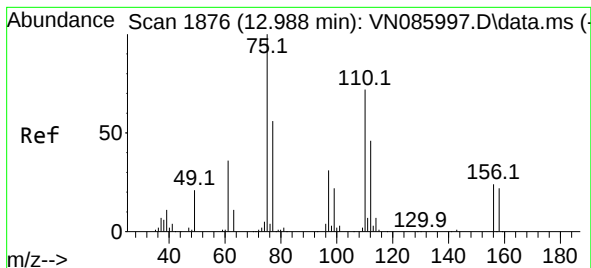
Tgt Ion:117 Resp: 305366  
Ion Ratio Lower Upper  
117 100  
82 56.1 46.7 70.1  
119 31.8 26.5 39.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 2012  
Delta R.T. -0.000 min  
Lab File: VN086156.D  
Acq: 28 Mar 2025 17:30

Tgt Ion:152 Resp: 129697  
Ion Ratio Lower Upper  
152 100  
115 60.3 31.1 93.2  
150 157.7 0.0 359.6





#76

1,2,3-Trichloropropane

Concen: 23.070 ug/l

RT: 12.847 min Scan# 11

Delta R.T. -0.141 min

Lab File: VN086156.D

Acq: 28 Mar 2025 17:30

Instrument :

MSVOA\_N

ClientSampleId :

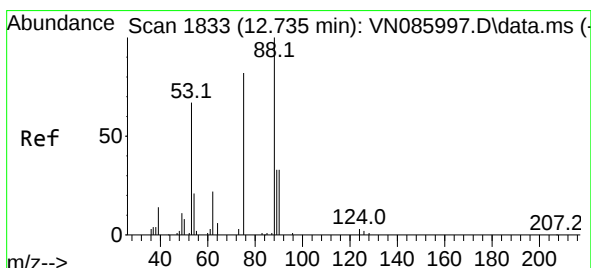
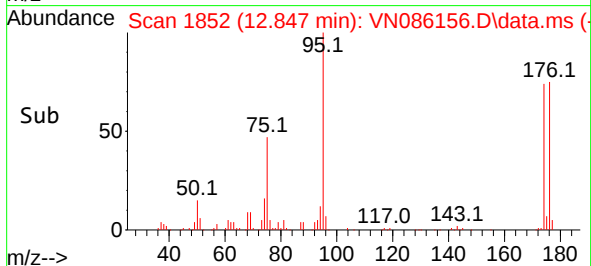
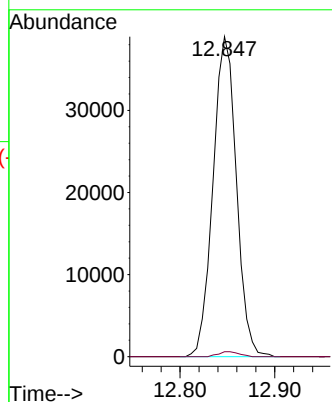
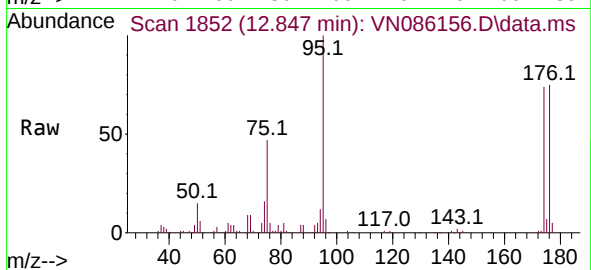
P001-BBDGA-004-01

Tgt Ion: 75 Resp: 66989

Ion Ratio Lower Upper

75 100

77 1.4 83.7 251.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.994 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN086156.D

Acq: 28 Mar 2025 17:30

Tgt Ion: 75 Resp: 66989

Ion Ratio Lower Upper

75 100

53 0.0 66.0 99.0#

89 0.0 36.9 55.3#

