

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN031225\  
 Data File : VN085961.D  
 Acq On : 12 Mar 2025 15:42  
 Operator : JC\MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IBLK

Quant Time: Mar 13 01:37:50 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021825W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 19 03:43:32 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.224  | 168  | 136653   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 254348   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 223256   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 91011    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |           |
|-----------------------------|--------|-------|----------|----------|------|-----------|
| System Monitoring Compounds |        |       |          |          |      |           |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 111944   | 63.186   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 126.380%# |
| 35) Dibromofluoromethane    | 8.165  | 113   | 93162    | 55.976   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 111.960%  |
| 50) Toluene-d8              | 10.565 | 98    | 308992   | 51.028   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 102.060%  |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 95242    | 47.738   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 95.480%   |

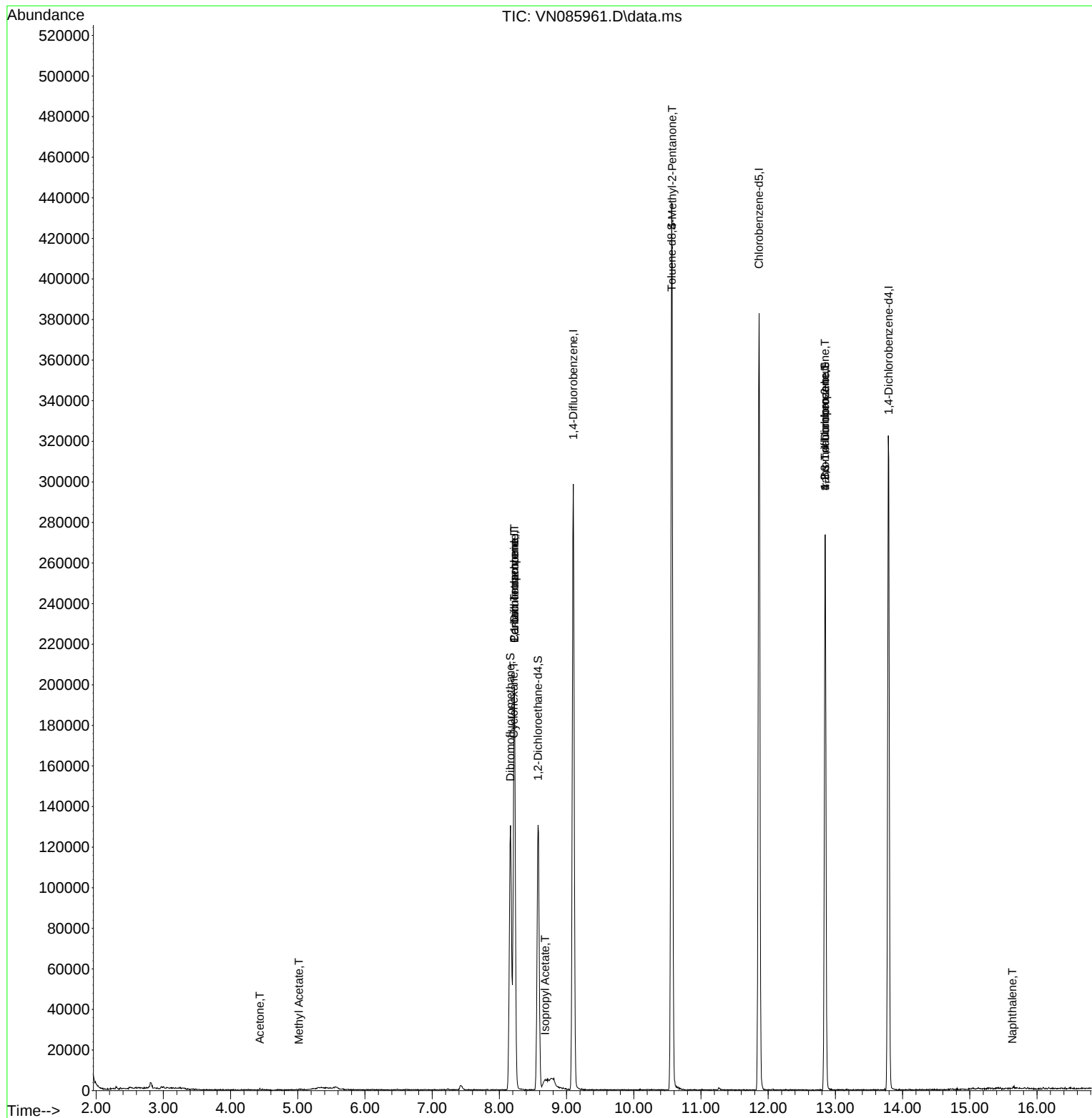
| Target Compounds              |        |     |       |        | Qvalue |    |
|-------------------------------|--------|-----|-------|--------|--------|----|
| 16) Acetone                   | 4.436  | 43  | 173   | 0.309  | ug/l # | 40 |
| 18) Methyl Acetate            | 5.018  | 43  | 430   | 0.223  | ug/l # | 47 |
| 31) Cyclohexane               | 8.212  | 56  | 3104  | 1.227  | ug/l # | 15 |
| 36) 1,1-Dichloropropene       | 8.224  | 75  | 10897 | 4.626  | ug/l # | 51 |
| 38) Carbon Tetrachloride      | 8.224  | 117 | 15063 | 5.382  | ug/l # | 20 |
| 43) Isopropyl Acetate         | 8.683  | 43  | 3597  | 0.517  | ug/l # | 53 |
| 51) 4-Methyl-2-Pentanone      | 10.571 | 43  | 1230  | 0.658  | ug/l # | 1  |
| 76) 1,2,3-Trichloropropane    | 12.847 | 75  | 47905 | 23.696 | ug/l # | 1  |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75  | 47905 | 69.139 | ug/l # | 12 |
| 95) Naphthalene               | 15.635 | 128 | 818   | 0.206  | ug/l # | 69 |

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

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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

Quant Time: Mar 13 01:37:50 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021825W.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 19 03:43:32 2025  
Response via : Initial Calibration

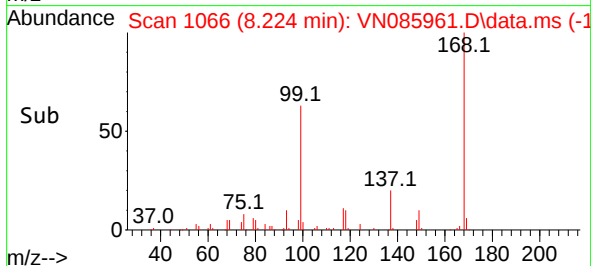
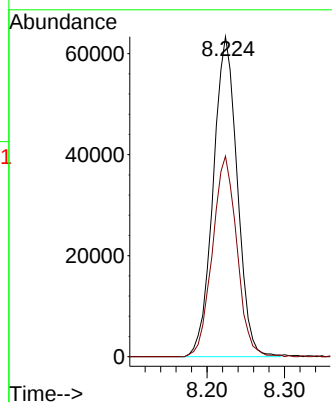
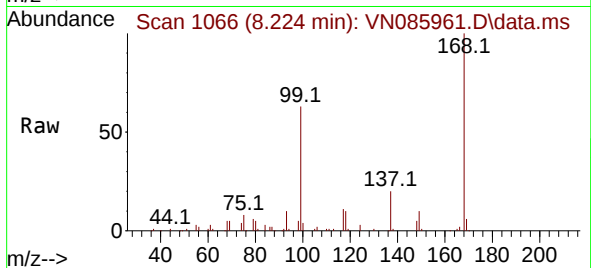




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN085961.D  
Acq: 12 Mar 2025 15:42

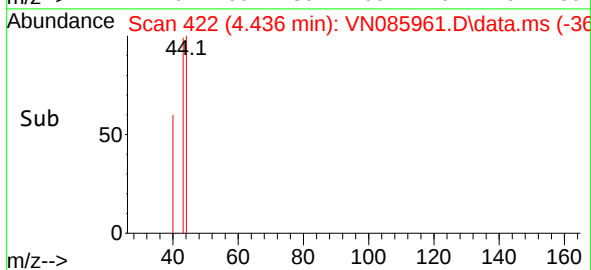
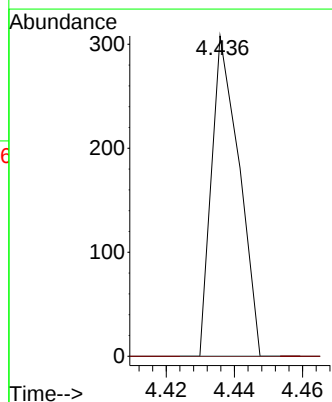
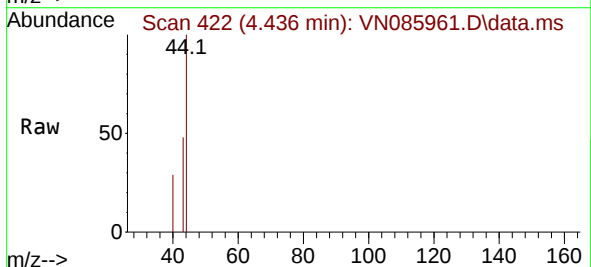
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

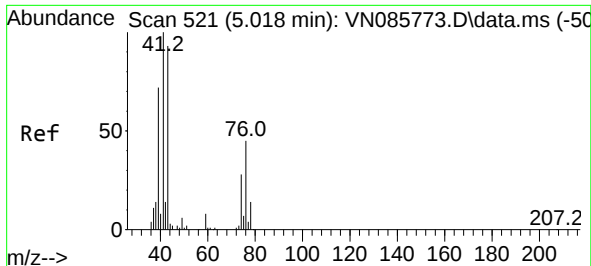
Tgt Ion:168 Resp: 136653  
Ion Ratio Lower Upper  
168 100  
99 62.7 47.9 71.9



#16  
Acetone  
Concen: 0.309 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. 0.018 min  
Lab File: VN085961.D  
Acq: 12 Mar 2025 15:42

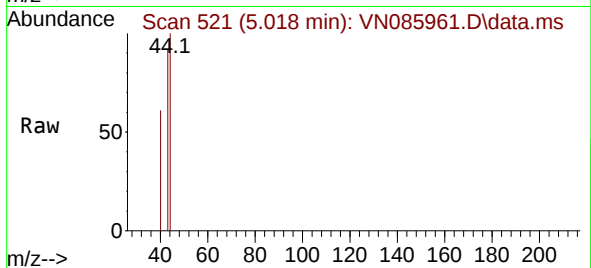
Tgt Ion: 43 Resp: 173  
Ion Ratio Lower Upper  
43 100  
58 0.0 27.5 41.3#



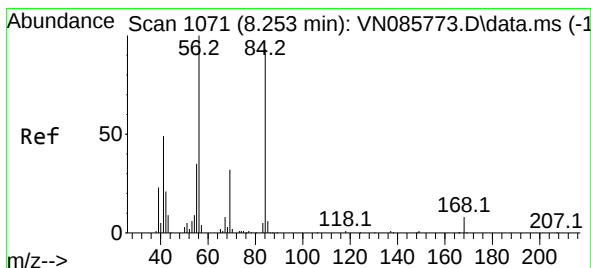
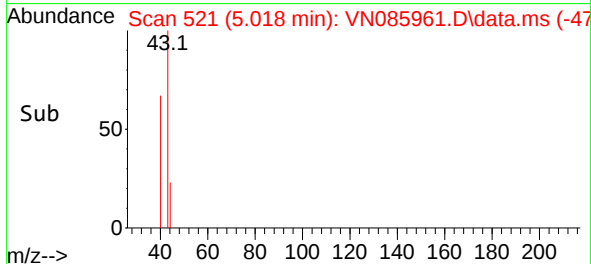
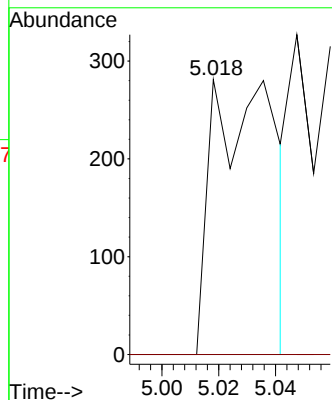


#18  
Methyl Acetate  
Concen: 0.223 ug/l  
RT: 5.018 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VN085961.D  
Acq: 12 Mar 2025 15:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

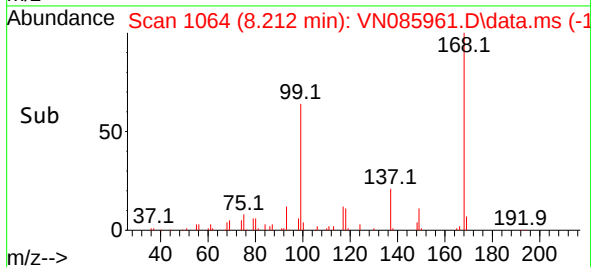
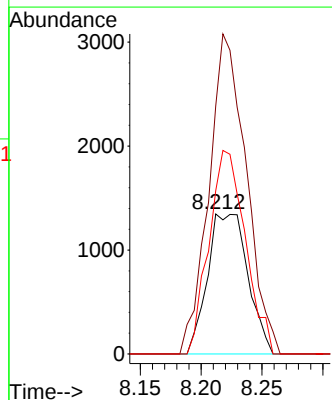
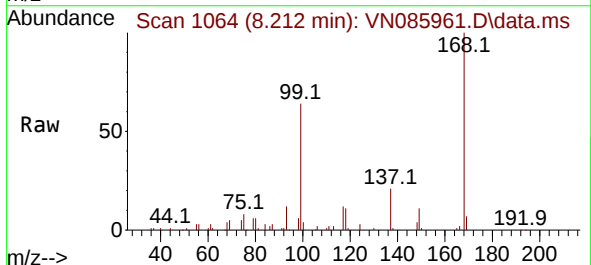


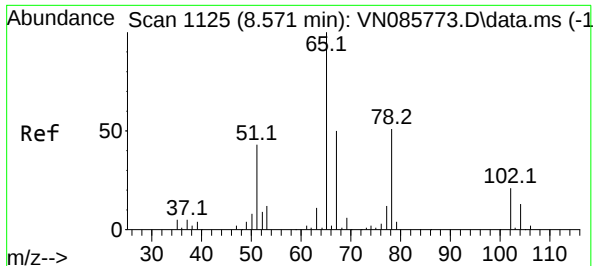
Tgt Ion: 43 Resp: 430  
Ion Ratio Lower Upper  
43 100  
74 0.0 22.2 33.4#



#31  
Cyclohexane  
Concen: 1.227 ug/l  
RT: 8.212 min Scan# 1064  
Delta R.T. -0.041 min  
Lab File: VN085961.D  
Acq: 12 Mar 2025 15:42

Tgt Ion: 56 Resp: 3104  
Ion Ratio Lower Upper  
56 100  
69 176.9 25.8 38.6#  
84 116.5 74.5 111.7#





#33

1,2-Dichloroethane-d4

Concen: 63.186 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085961.D

Acq: 12 Mar 2025 15:42

Instrument :

MSVOA\_N

ClientSampleId :

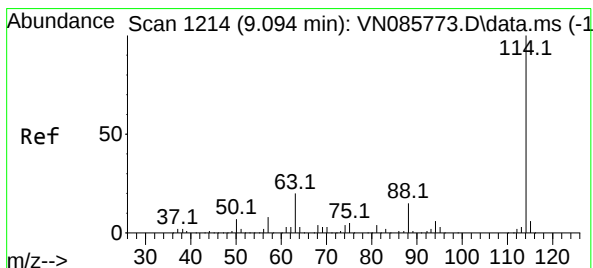
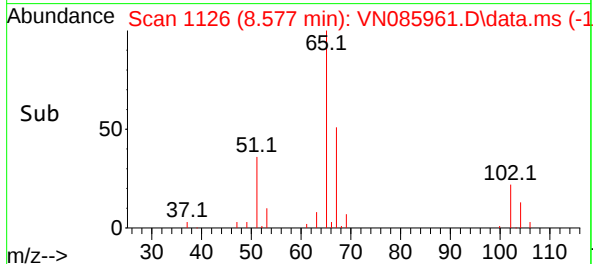
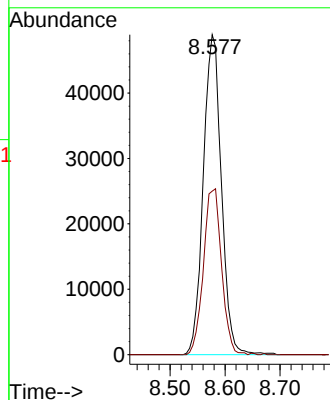
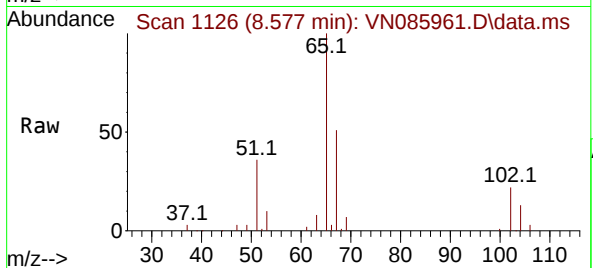
IBLK

Tgt Ion: 65 Resp: 111944

Ion Ratio Lower Upper

65 100

67 51.9 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085961.D

Acq: 12 Mar 2025 15:42

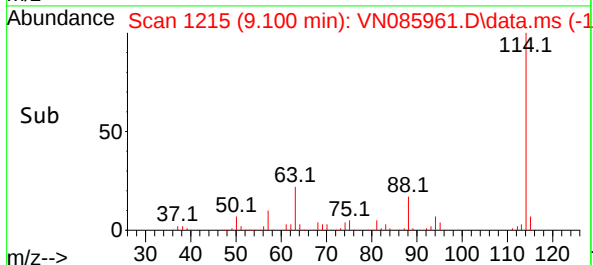
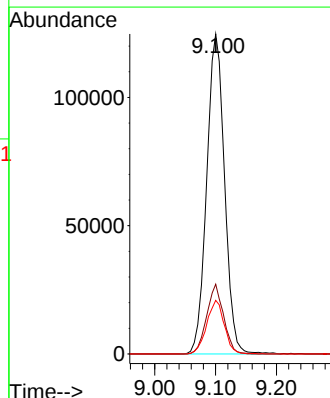
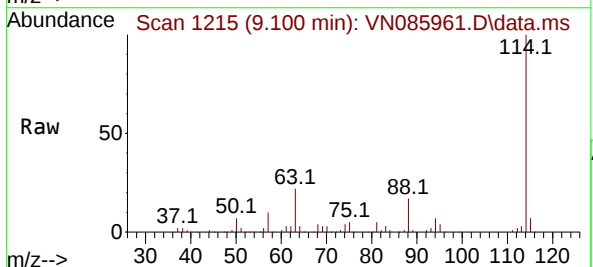
Tgt Ion: 114 Resp: 254348

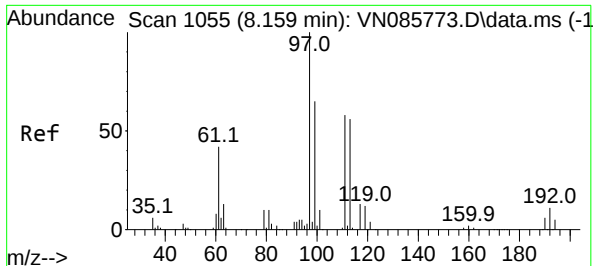
Ion Ratio Lower Upper

114 100

63 21.8 0.0 39.2

88 16.7 0.0 30.0





#35

Dibromofluoromethane

Concen: 55.976 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085961.D

Acq: 12 Mar 2025 15:42

Instrument :

MSVOA\_N

ClientSampleId :

IBLK

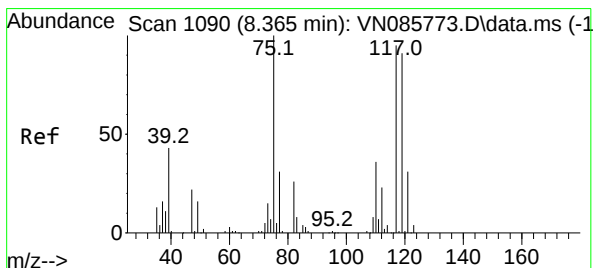
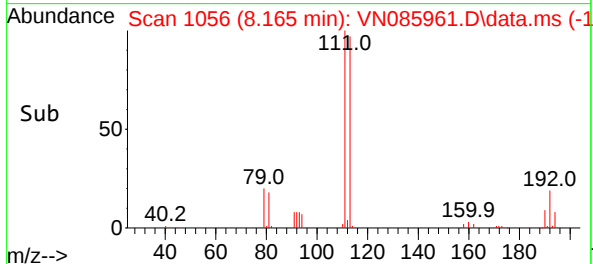
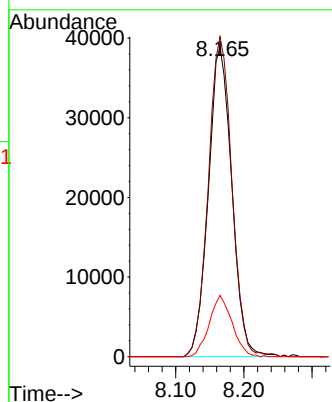
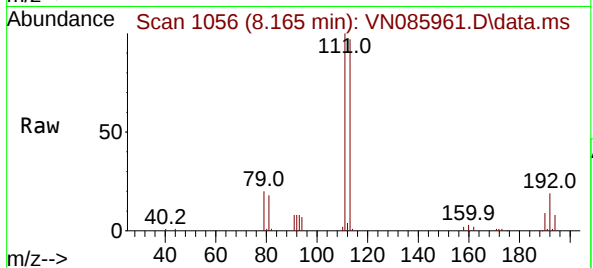
Tgt Ion:113 Resp: 93162

Ion Ratio Lower Upper

113 100

111 103.8 82.2 123.4

192 19.3 14.7 22.1



#36

1,1-Dichloropropene

Concen: 4.626 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085961.D

Acq: 12 Mar 2025 15:42

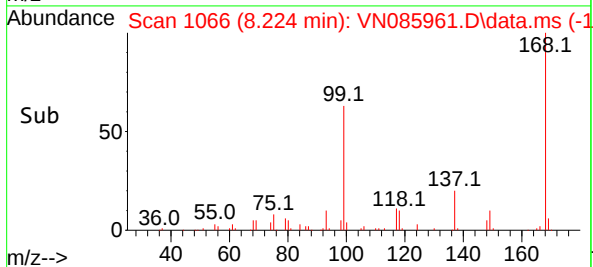
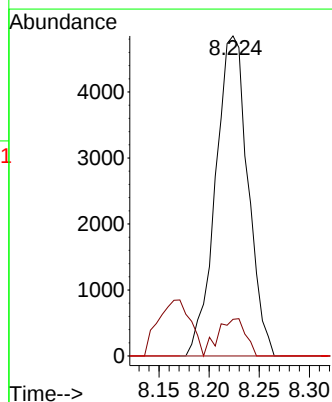
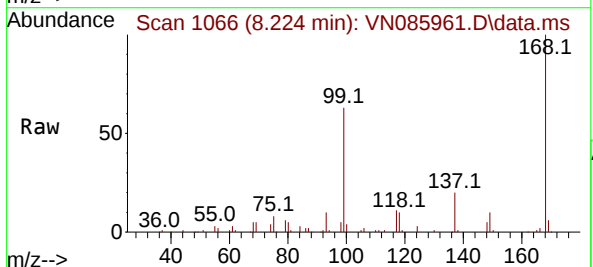
Tgt Ion: 75 Resp: 10897

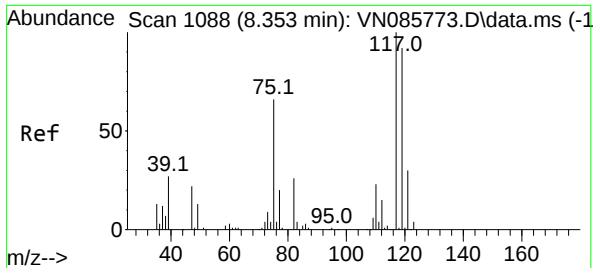
Ion Ratio Lower Upper

75 100

110 9.9 17.3 52.0#

77 0.0 24.6 37.0#

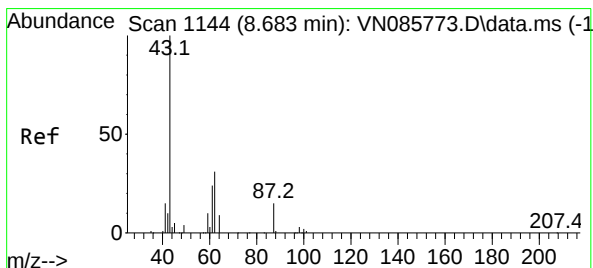
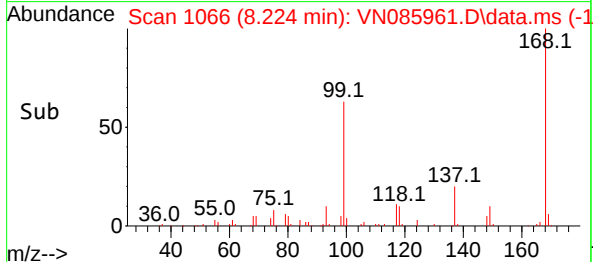
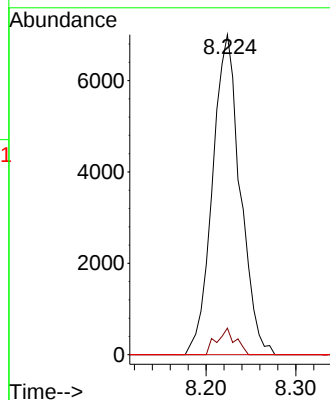
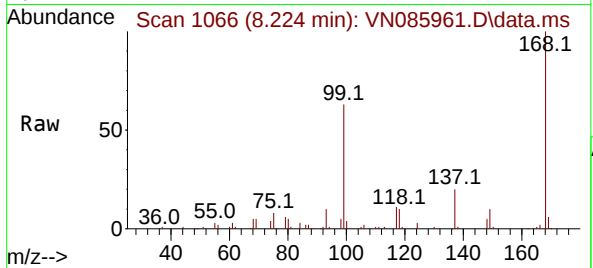




#38  
Carbon Tetrachloride  
Concen: 5.382 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.129 min  
Lab File: VN085961.D  
Acq: 12 Mar 2025 15:42

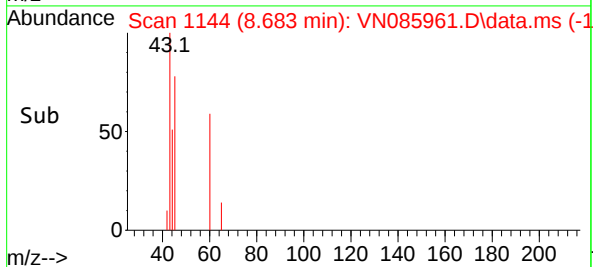
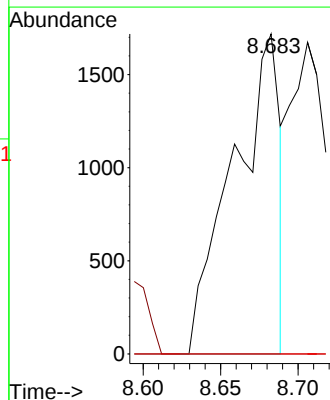
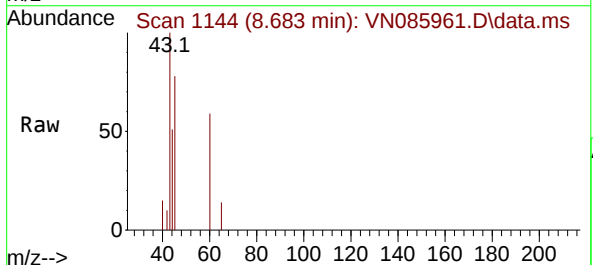
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

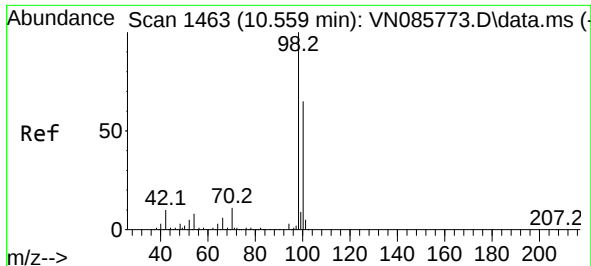
Tgt Ion:117 Resp: 15063  
Ion Ratio Lower Upper  
117 100  
119 8.3 73.8 110.6#  
121 0.0 24.3 36.5#



#43  
Isopropyl Acetate  
Concen: 0.517 ug/l  
RT: 8.683 min Scan# 1144  
Delta R.T. -0.000 min  
Lab File: VN085961.D  
Acq: 12 Mar 2025 15:42

Tgt Ion: 43 Resp: 3597  
Ion Ratio Lower Upper  
43 100  
61 0.0 22.6 34.0#  
87 0.0 11.8 17.8#

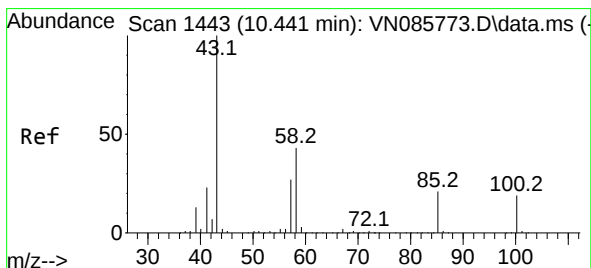
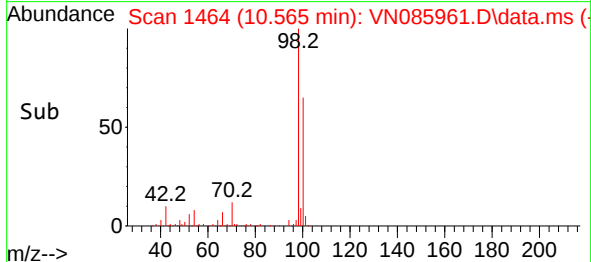
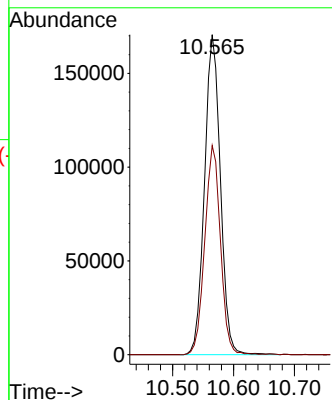
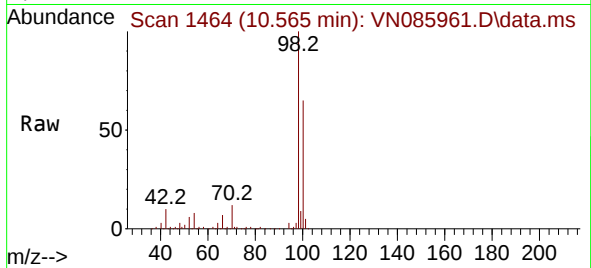




#50  
Toluene-d8  
Concen: 51.028 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.006 min  
Lab File: VN085961.D  
Acq: 12 Mar 2025 15:42

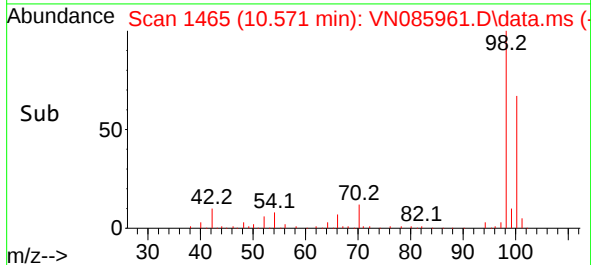
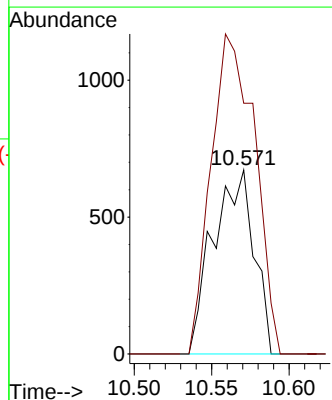
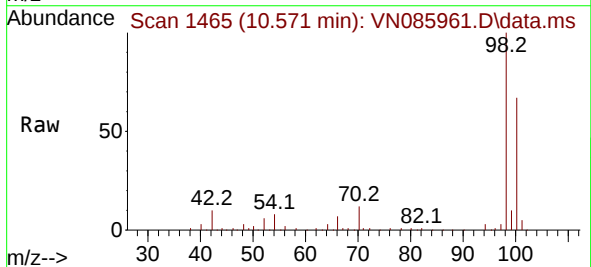
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

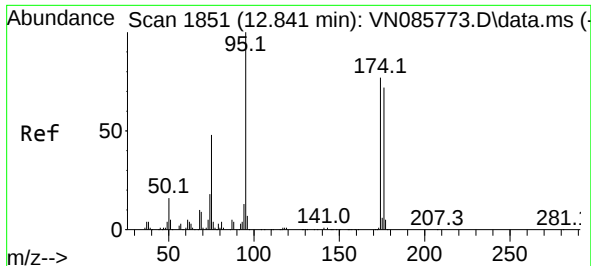
Tgt Ion: 98 Resp: 308992  
Ion Ratio Lower Upper  
98 100  
100 64.5 52.1 78.1



#51  
4-Methyl-2-Pentanone  
Concen: 0.658 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.129 min  
Lab File: VN085961.D  
Acq: 12 Mar 2025 15:42

Tgt Ion: 43 Resp: 1230  
Ion Ratio Lower Upper  
43 100  
58 186.4 34.6 52.0#

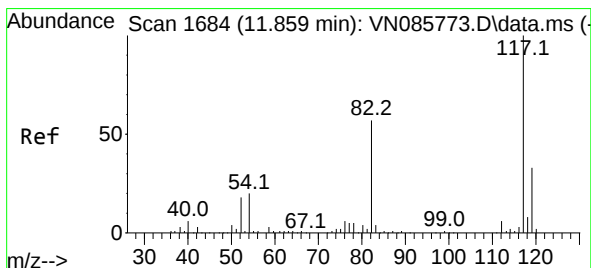
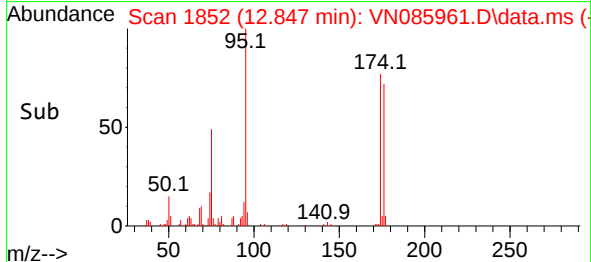
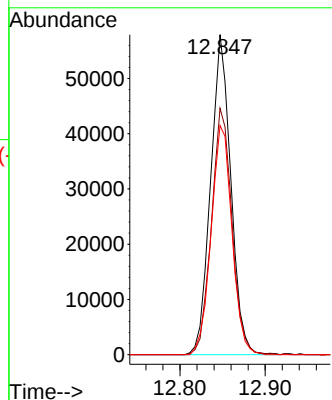
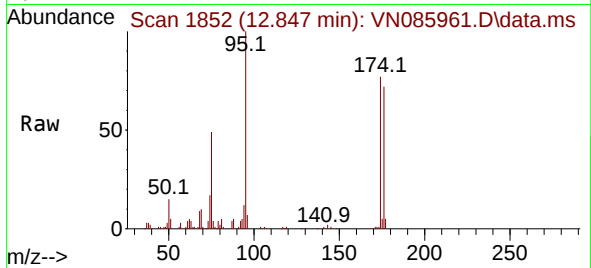




#62  
4-Bromofluorobenzene  
Concen: 47.738 ug/l  
RT: 12.847 min Scan# 1851  
Delta R.T. 0.006 min  
Lab File: VN085961.D  
Acq: 12 Mar 2025 15:42

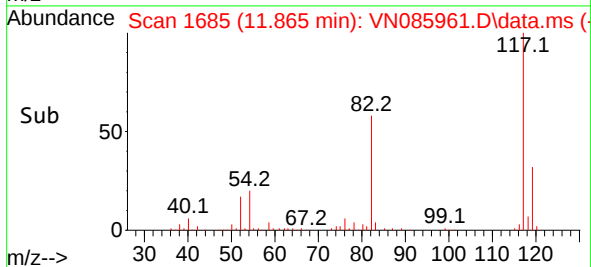
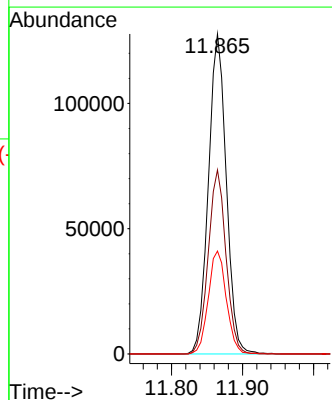
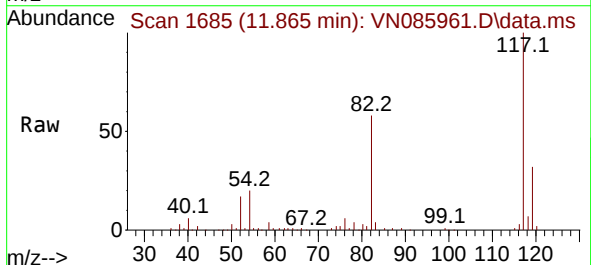
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

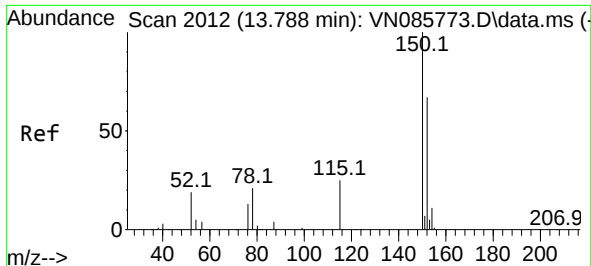
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 95242 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 78.3  | 0.0   | 152.4 |
| 176      | 73.8  | 0.0   | 146.6 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. 0.006 min  
Lab File: VN085961.D  
Acq: 12 Mar 2025 15:42

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 223256 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 57.5  | 45.7  | 68.5   |
| 119      | 32.1  | 26.2  | 39.2   |

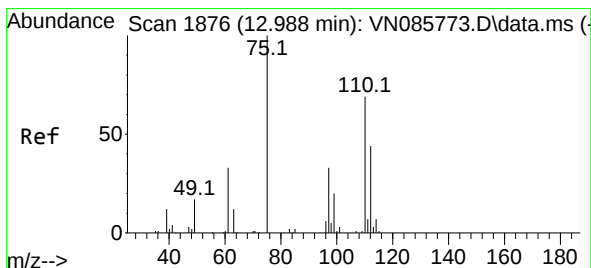
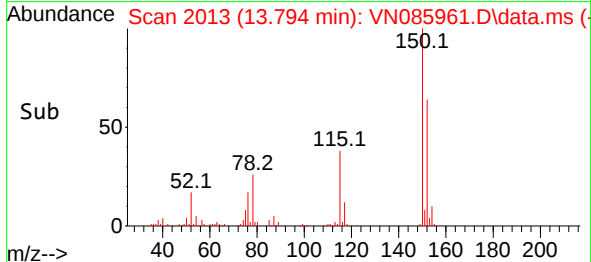
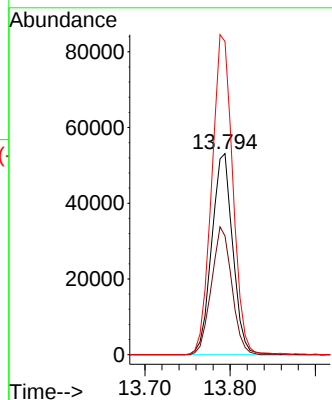
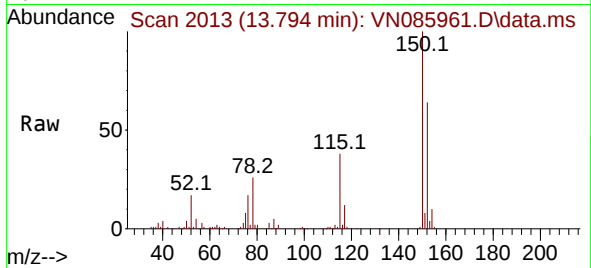




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 2012  
 Delta R.T. 0.006 min  
 Lab File: VN085961.D  
 Acq: 12 Mar 2025 15:42

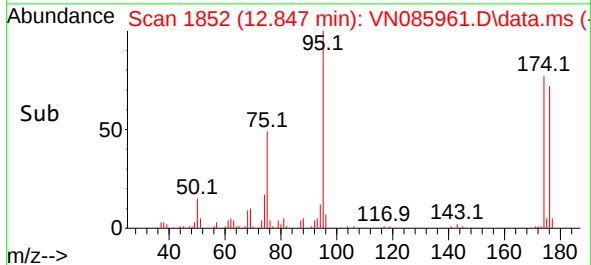
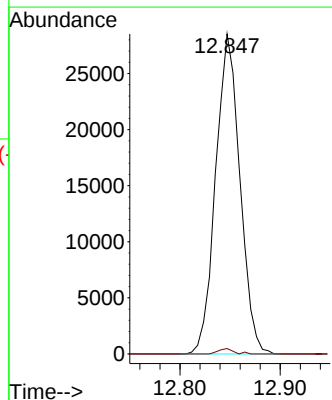
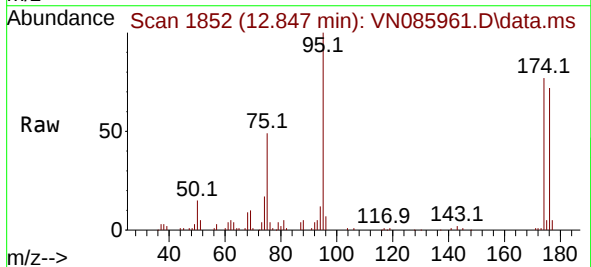
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IBLK

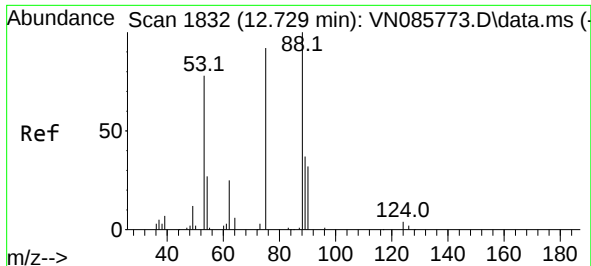
Tgt Ion:152 Resp: 91011  
 Ion Ratio Lower Upper  
 152 100  
 115 61.6 30.4 91.3  
 150 159.0 0.0 345.4



#76  
 1,2,3-Trichloropropane  
 Concen: 23.696 ug/l  
 RT: 12.847 min Scan# 1852  
 Delta R.T. -0.141 min  
 Lab File: VN085961.D  
 Acq: 12 Mar 2025 15:42

Tgt Ion: 75 Resp: 47905  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 100.0 300.0#

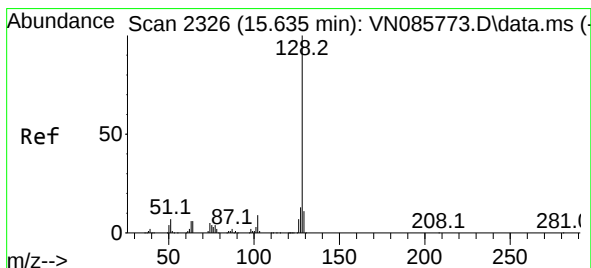
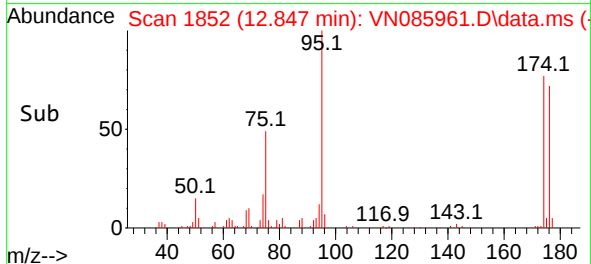
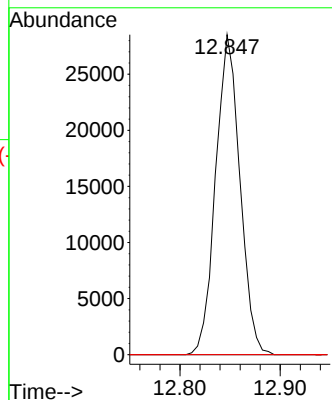
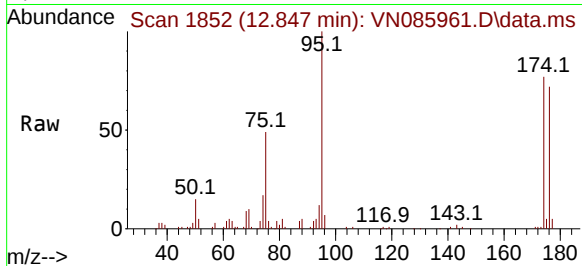




#81  
trans-1,4-Dichloro-2-butene  
Concen: 69.139 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.118 min  
Lab File: VN085961.D  
Acq: 12 Mar 2025 15:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

Tgt Ion: 75 Resp: 47905  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.2 111.4#  
89 0.0 34.9 52.3#



#95  
Naphthalene  
Concen: 0.206 ug/l  
RT: 15.635 min Scan# 2326  
Delta R.T. 0.000 min  
Lab File: VN085961.D  
Acq: 12 Mar 2025 15:42

Tgt Ion: 128 Resp: 818  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.2 15.2#  
129 0.0 8.7 13.1#

