

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN071624\  
 Data File : VN082941.D  
 Acq On : 16 Jul 2024 17:35  
 Operator : JC\MD  
 Sample : P3246-05  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 WC-CTW2-BL-01-G

Quant Time: Jul 17 00:58:34 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N070824W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 08 13:46:04 2024  
 Response via : Initial Calibration

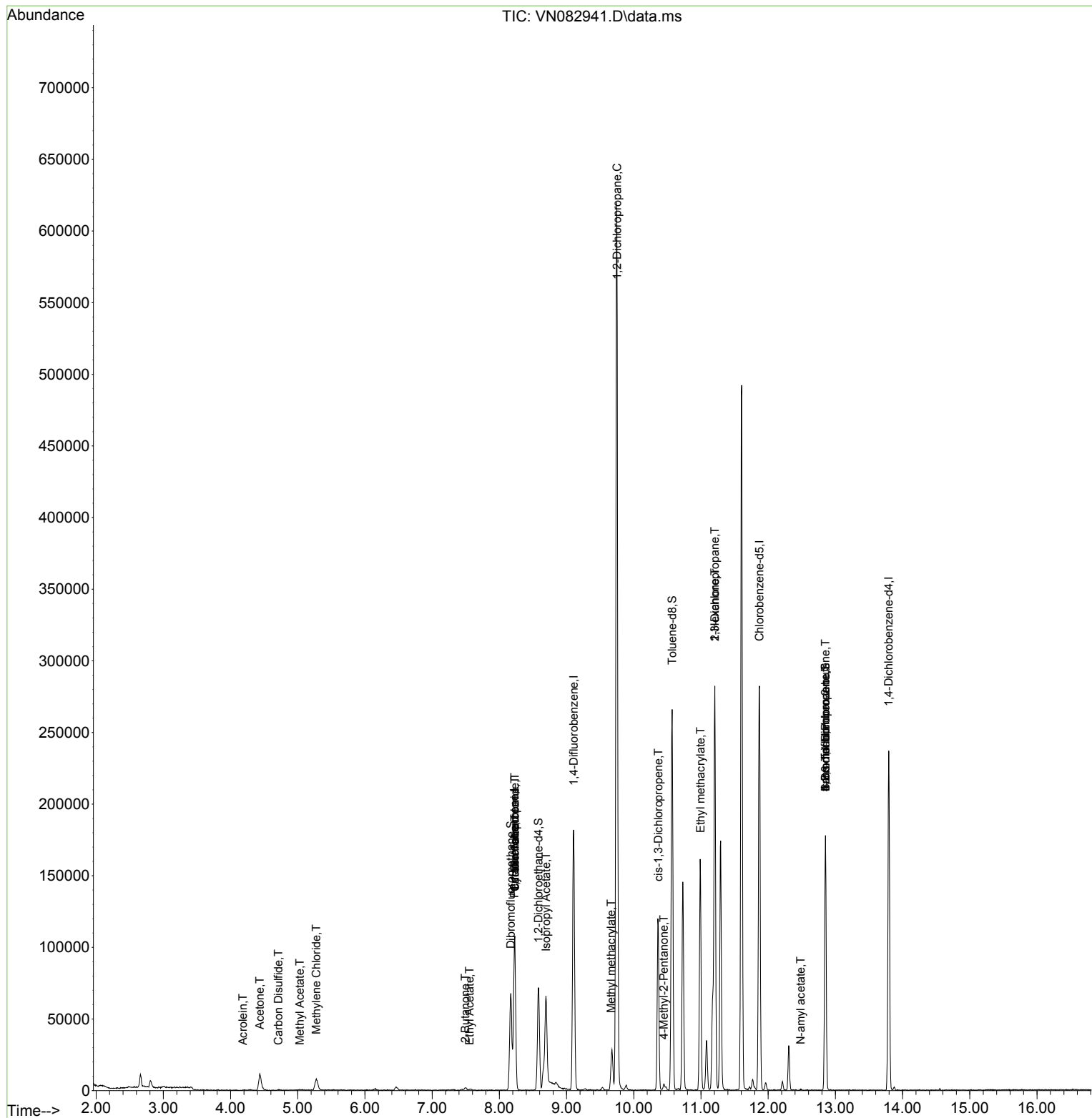
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 8.224  | 168   | 72834    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.106  | 114   | 151702   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.871 | 117   | 161695   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794 | 152   | 61932    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.583  | 65    | 58688    | 57.482   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | =      | 114.960% |
| 35) Dibromofluoromethane      | 8.171  | 113   | 47824    | 49.129   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 98.260%  |
| 50) Toluene-d8                | 10.571 | 98    | 180028   | 50.072   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | =      | 100.140% |
| 62) 4-Bromofluorobenzene      | 12.853 | 95    | 56030    | 43.384   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 64 - 133 | Recovery | =      | 86.760%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 13) Acrolein                  | 4.183  | 56    | 53       | 0.427    | ug/l # | 14       |
| 16) Acetone                   | 4.436  | 43    | 20848    | 57.998   | ug/l   | 96       |
| 17) Carbon Disulfide          | 4.712  | 76    | 639      | 0.288    | ug/l # | 75       |
| 18) Methyl Acetate            | 5.030  | 43    | 528      | 0.555    | ug/l # | 56       |
| 20) Methylene Chloride        | 5.277  | 84    | 5985     | 6.894    | ug/l   | 87       |
| 25) 2-Butanone                | 7.494  | 43    | 3083     | 5.680    | ug/l   | 96       |
| 31) Cyclohexane               | 8.230  | 56    | 2003     | 1.501    | ug/l # | 45       |
| 36) 1,1-Dichloropropene       | 8.230  | 75    | 6996     | 5.213    | ug/l # | 50       |
| 37) Ethyl Acetate             | 7.559  | 43    | 1475     | 1.079    | ug/l # | 72       |
| 38) Carbon Tetrachloride      | 8.230  | 117   | 8628     | 5.339    | ug/l # | 17       |
| 43) Isopropyl Acetate         | 8.694  | 43    | 86776    | 32.651   | ug/l # | 87       |
| 45) 1,2-Dichloropropane       | 9.753  | 63    | 535      | 0.555    | ug/l # | 44       |
| 48) Methyl methacrylate       | 9.665  | 41    | 1851     | 1.728    | ug/l # | 52       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43    | 3066     | 2.263    | ug/l # | 87       |
| 54) cis-1,3-Dichloropropene   | 10.365 | 75    | 20206    | 11.944   | ug/l # | 61       |
| 56) Ethyl methacrylate        | 10.994 | 69    | 1130     | 0.766    | ug/l # | 1        |
| 57) 1,3-Dichloropropane       | 11.206 | 76    | 2942     | 1.753    | ug/l # | 43       |
| 59) 2-Hexanone                | 11.206 | 43    | 33351    | 33.115   | ug/l # | 62       |
| 71) Bromoform                 | 12.853 | 173   | 491      | 0.507    | ug/l # | 1        |
| 74) N-amyl acetate            | 12.482 | 43    | 385      | 0.207    | ug/l # | 46       |
| 76) 1,2,3-Trichloropropane    | 12.853 | 75    | 32042    | 30.009   | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.853 | 75    | 32042    | 59.019   | ug/l # | 6        |
| -----                         |        |       |          |          |        |          |

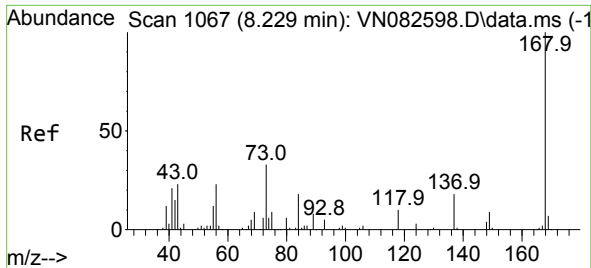
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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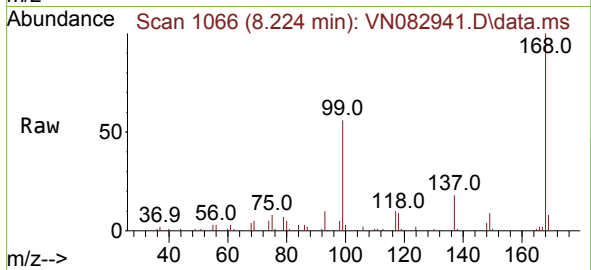
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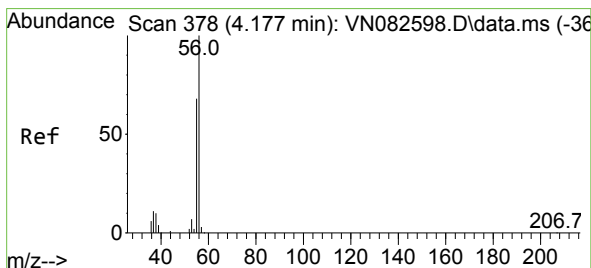
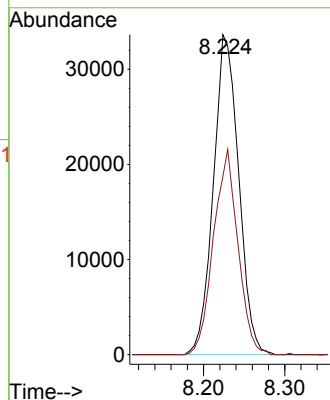
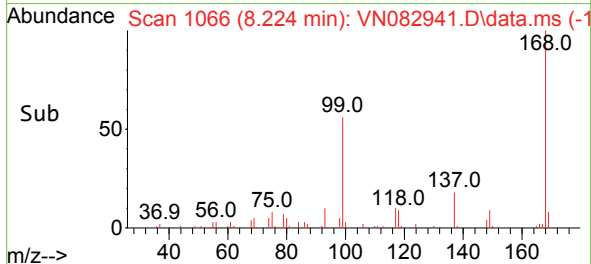


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1067  
Delta R.T. -0.005 min  
Lab File: VN082941.D  
Acq: 16 Jul 2024 17:35

Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-CTW2-BL-01-G

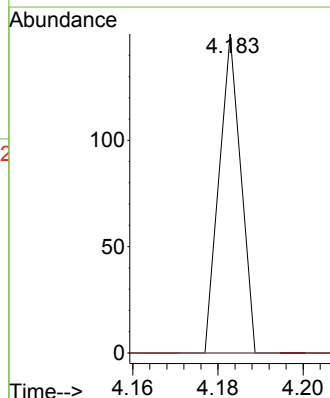
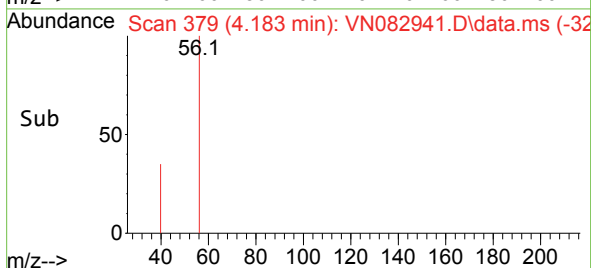
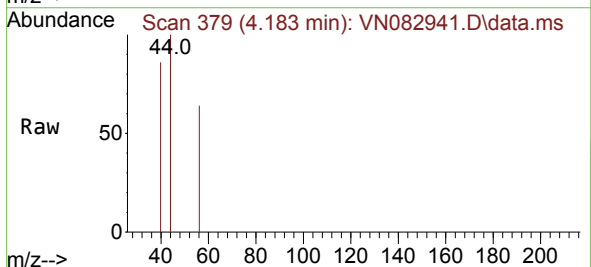


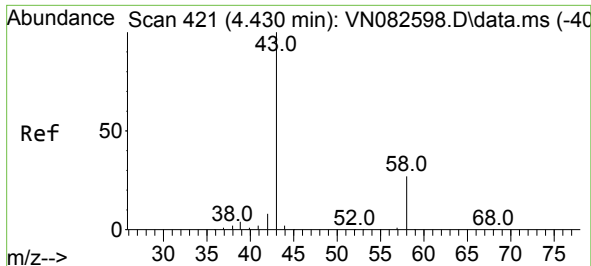
Tgt Ion:168 Resp: 72834  
Ion Ratio Lower Upper  
168 100  
99 55.8 48.2 72.4



#13  
Acrolein  
Concen: 0.427 ug/l  
RT: 4.183 min Scan# 379  
Delta R.T. 0.006 min  
Lab File: VN082941.D  
Acq: 16 Jul 2024 17:35

Tgt Ion: 56 Resp: 53  
Ion Ratio Lower Upper  
56 100  
55 0.0 56.4 84.6#





#16

Acetone

Concen: 57.998 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN082941.D

Acq: 16 Jul 2024 17:35

Instrument :

MSVOA\_N

ClientSampleId :

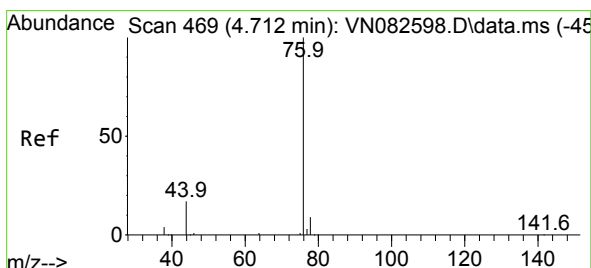
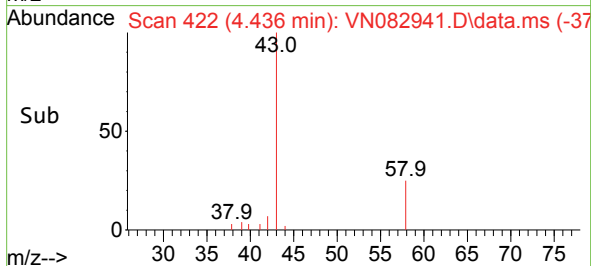
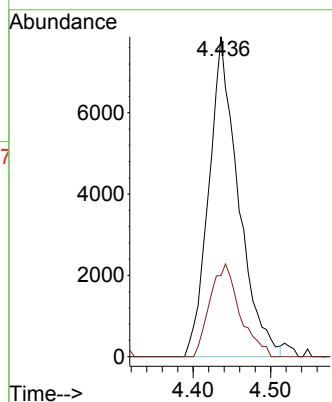
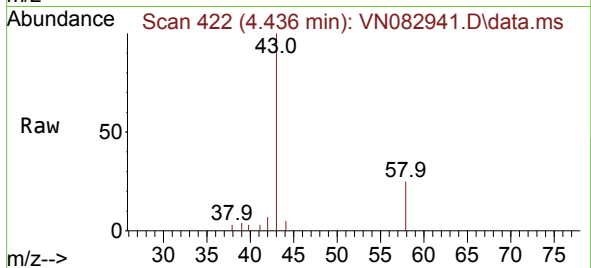
WC-CTW2-BL-01-G

Tgt Ion: 43 Resp: 20848

Ion Ratio Lower Upper

43 100

58 25.3 21.8 32.6



#17

Carbon Disulfide

Concen: 0.288 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.000 min

Lab File: VN082941.D

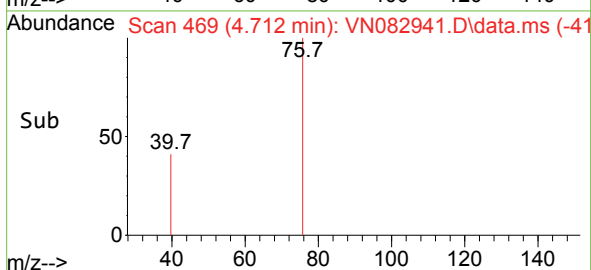
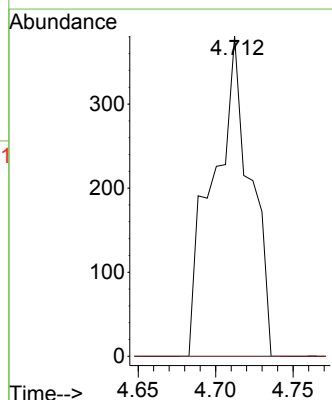
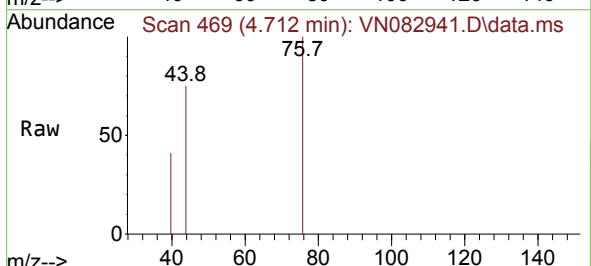
Acq: 16 Jul 2024 17:35

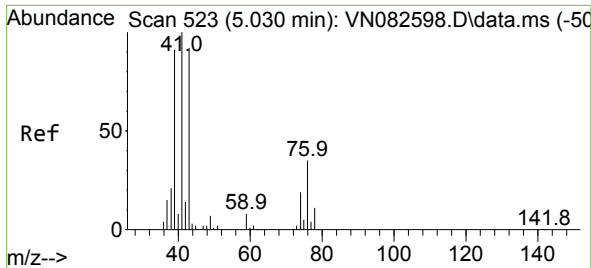
Tgt Ion: 76 Resp: 639

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#

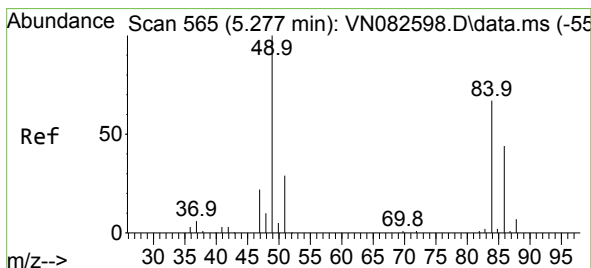
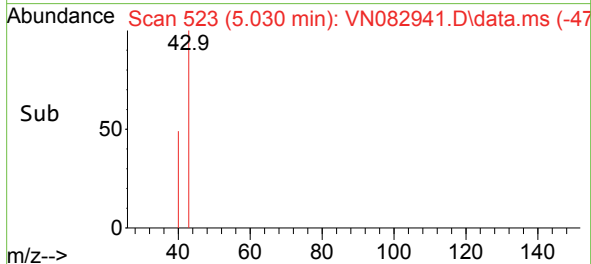
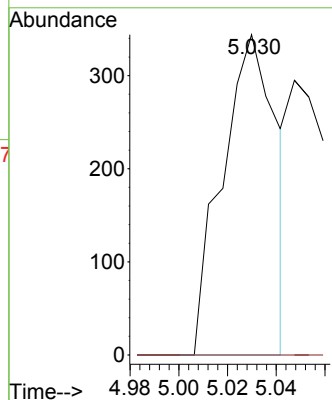
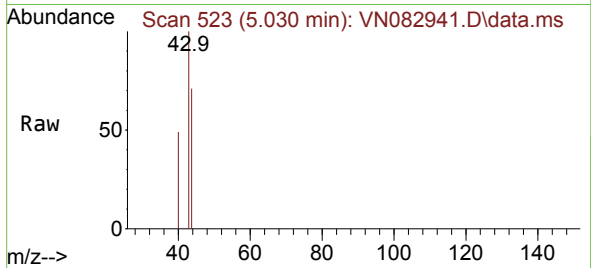




#18  
Methyl Acetate  
Concen: 0.555 ug/l  
RT: 5.030 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VN082941.D  
Acq: 16 Jul 2024 17:35

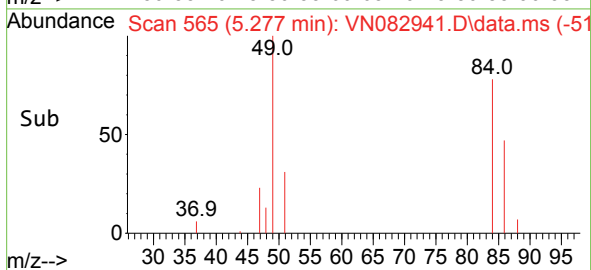
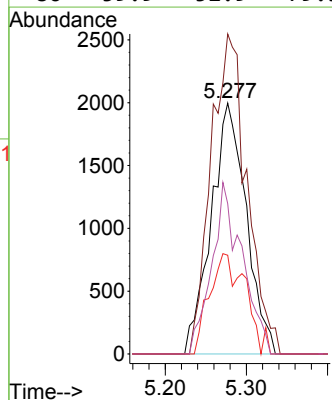
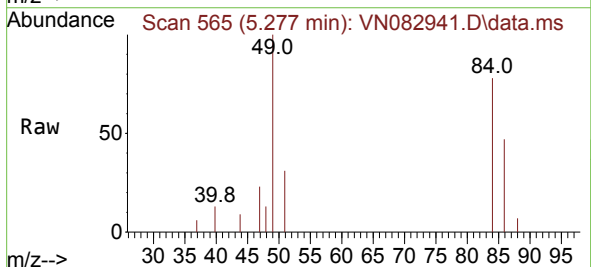
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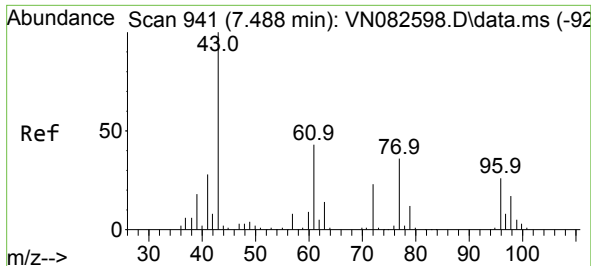
Tgt Ion: 43 Resp: 528  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.3 24.5#



#20  
Methylene Chloride  
Concen: 6.894 ug/l  
RT: 5.277 min Scan# 565  
Delta R.T. -0.000 min  
Lab File: VN082941.D  
Acq: 16 Jul 2024 17:35

Tgt Ion: 84 Resp: 5985  
Ion Ratio Lower Upper  
84 100  
49 127.5 119.6 179.4  
51 39.4 34.8 52.2  
86 59.9 52.9 79.3

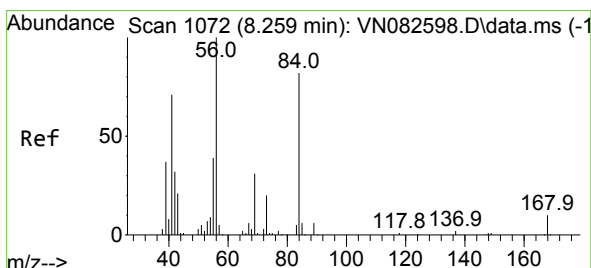
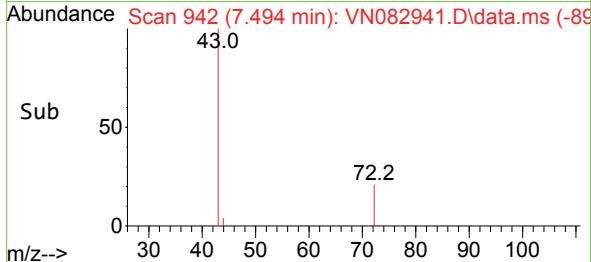
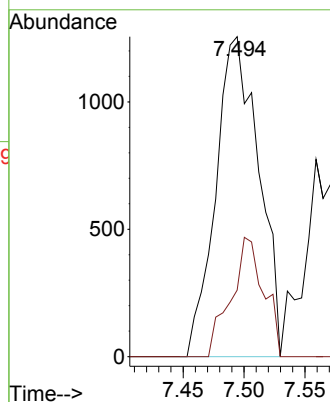
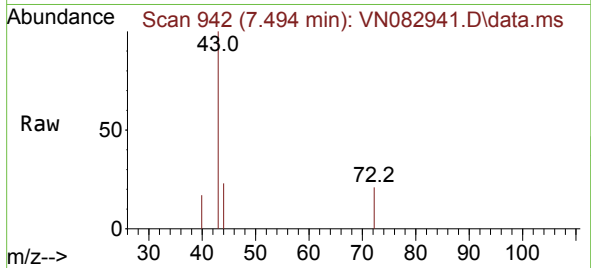




#25  
2-Butanone  
Concen: 5.680 ug/l  
RT: 7.494 min Scan# 941  
Delta R.T. 0.006 min  
Lab File: VN082941.D  
Acq: 16 Jul 2024 17:35

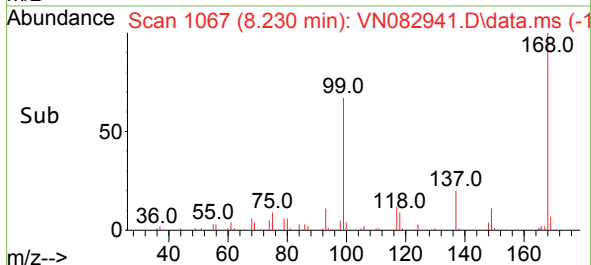
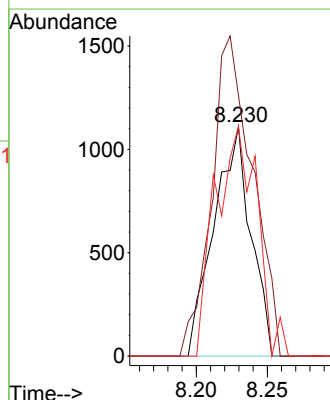
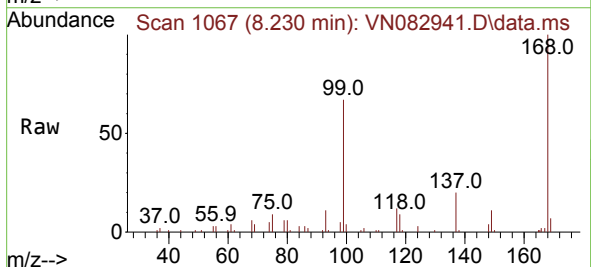
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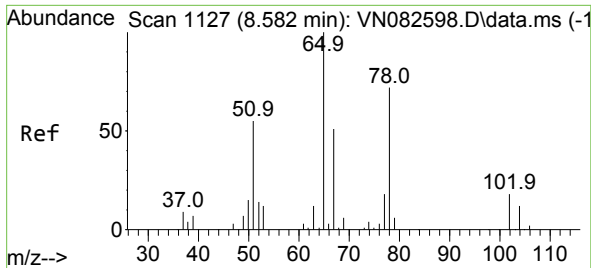
Tgt Ion: 43 Resp: 3083  
Ion Ratio Lower Upper  
43 100  
72 20.8 18.2 27.2



#31  
Cyclohexane  
Concen: 1.501 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.029 min  
Lab File: VN082941.D  
Acq: 16 Jul 2024 17:35

Tgt Ion: 56 Resp: 2003  
Ion Ratio Lower Upper  
56 100  
69 113.7 24.5 36.7#  
84 100.2 66.0 99.0#





#33

1,2-Dichloroethane-d4

Concen: 57.482 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.001 min

Lab File: VN082941.D

Acq: 16 Jul 2024 17:35

Instrument :

MSVOA\_N

ClientSampleId :

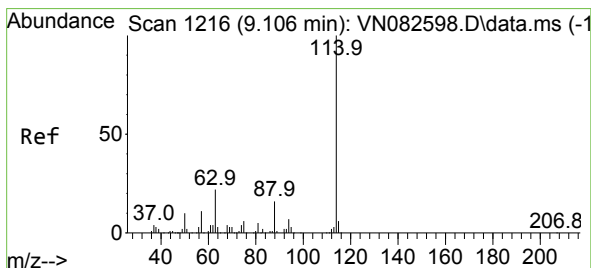
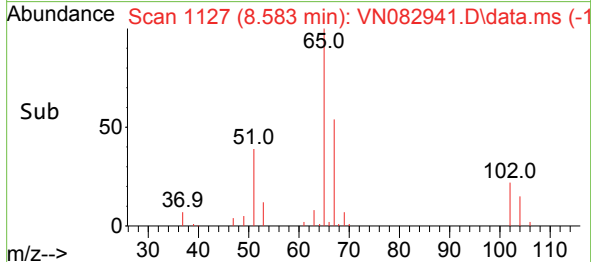
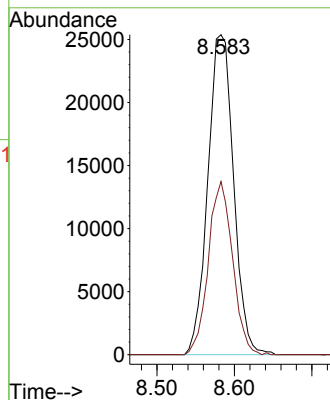
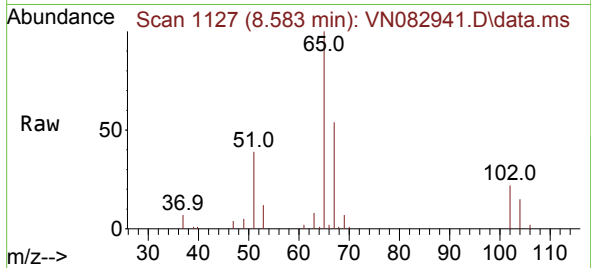
WC-CTW2-BL-01-G

Tgt Ion: 65 Resp: 58688

Ion Ratio Lower Upper

65 100

67 50.9 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN082941.D

Acq: 16 Jul 2024 17:35

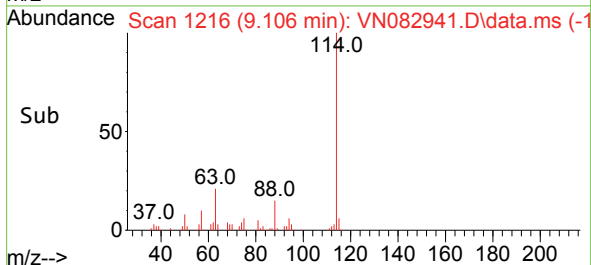
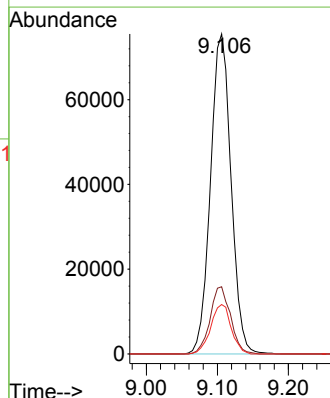
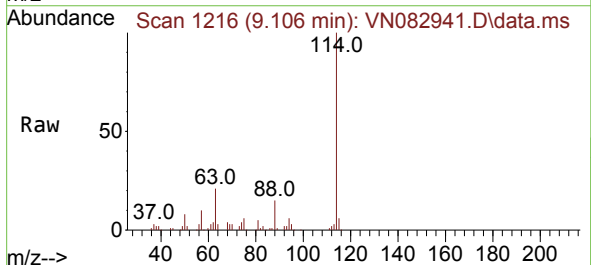
Tgt Ion: 114 Resp: 151702

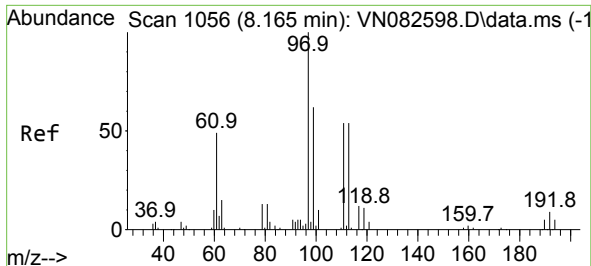
Ion Ratio Lower Upper

114 100

63 21.0 0.0 44.6

88 15.4 0.0 31.4

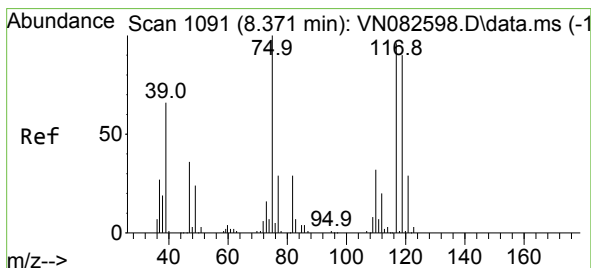
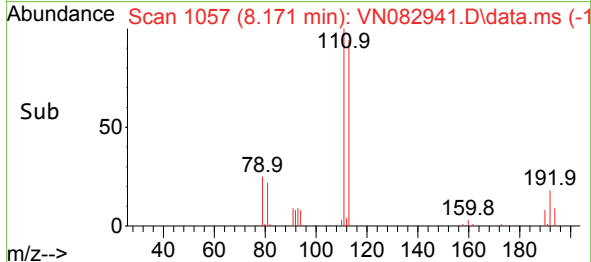
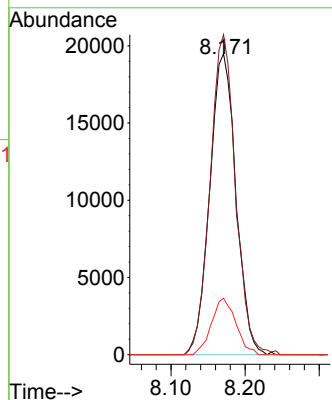
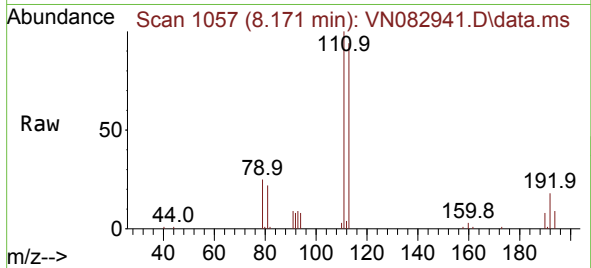




#35  
Dibromofluoromethane  
Concen: 49.129 ug/l  
RT: 8.171 min Scan# 1056  
Delta R.T. 0.006 min  
Lab File: VN082941.D  
Acq: 16 Jul 2024 17:35

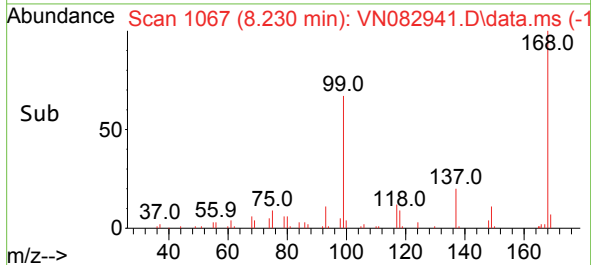
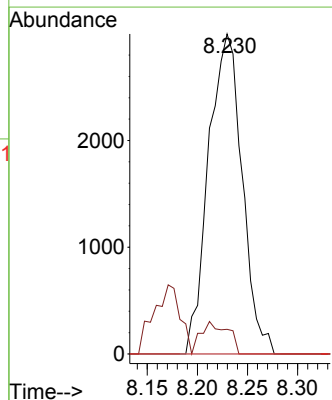
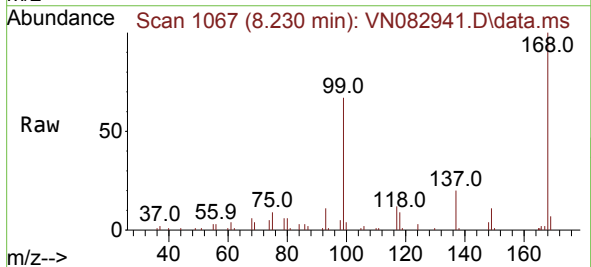
Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-CTW2-BL-01-G

Tgt Ion:113 Resp: 47824  
Ion Ratio Lower Upper  
113 100  
111 103.1 82.4 123.6  
192 17.5 14.9 22.3

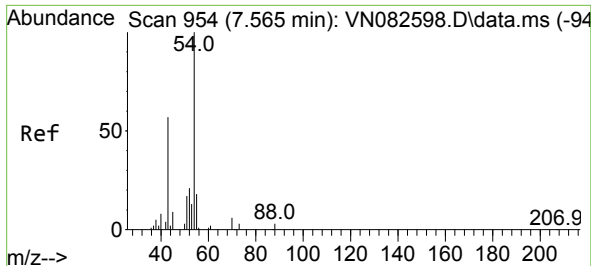


#36  
1,1-Dichloropropene  
Concen: 5.213 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.141 min  
Lab File: VN082941.D  
Acq: 16 Jul 2024 17:35

Tgt Ion: 75 Resp: 6996  
Ion Ratio Lower Upper  
75 100  
110 8.1 16.3 48.9#  
77 0.0 24.6 37.0#







#37

Ethyl Acetate

Concen: 1.079 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN082941.D

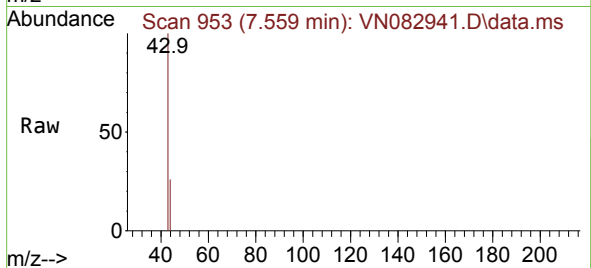
Acq: 16 Jul 2024 17:35

Instrument :

MSVOA\_N

ClientSampleId :

WC-CTW2-BL-01-G



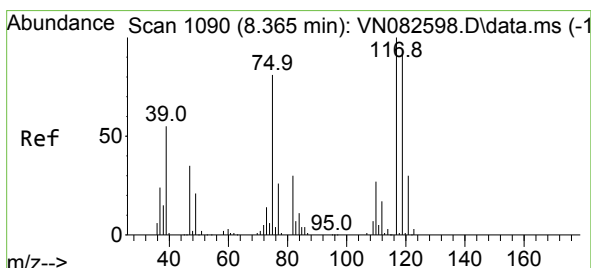
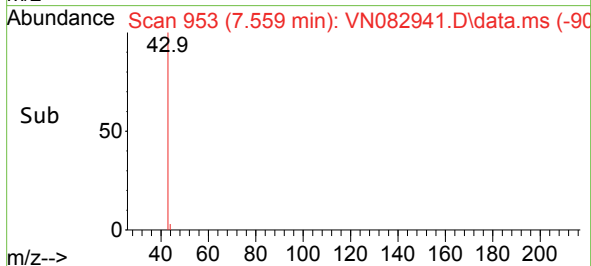
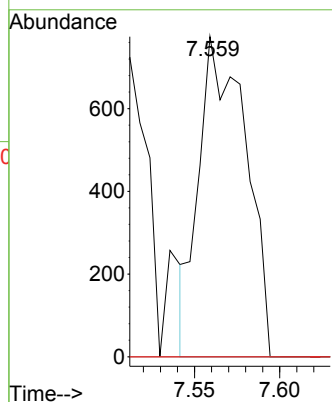
Tgt Ion: 43 Resp: 1475

Ion Ratio Lower Upper

43 100

61 0.0 9.3 13.9#

70 0.0 7.0 10.6#



#38

Carbon Tetrachloride

Concen: 5.339 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN082941.D

Acq: 16 Jul 2024 17:35

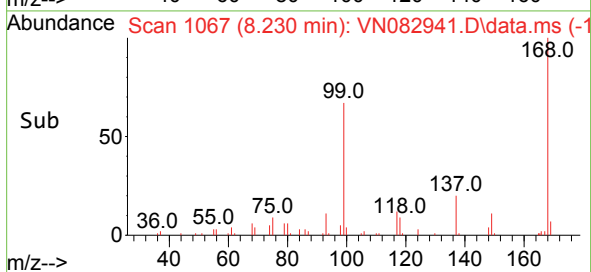
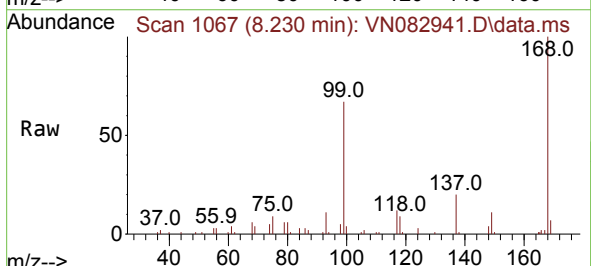
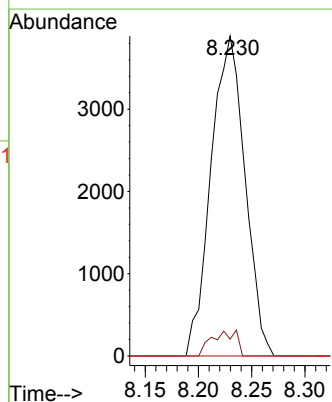
Tgt Ion: 117 Resp: 8628

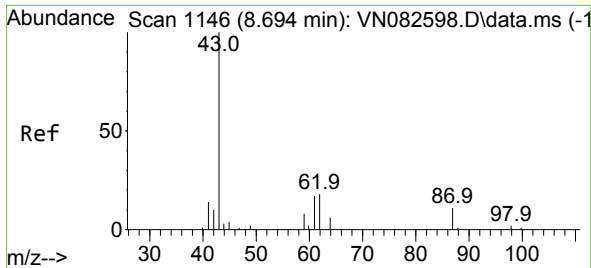
Ion Ratio Lower Upper

117 100

119 5.2 74.9 112.3#

121 0.0 24.3 36.5#

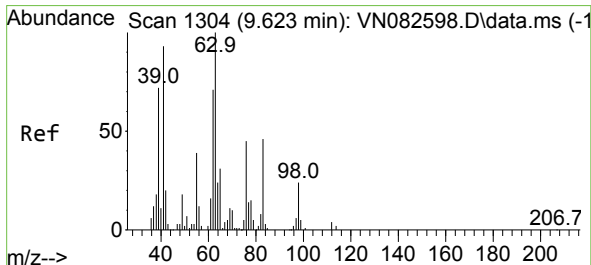
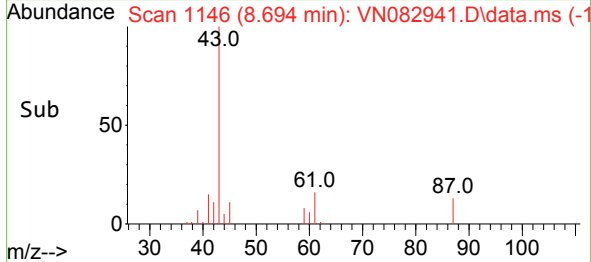
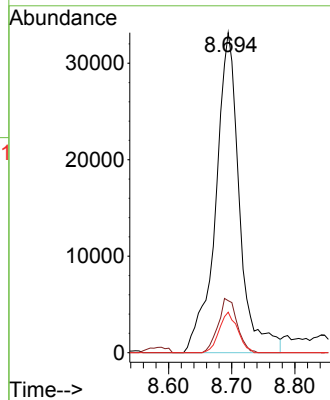
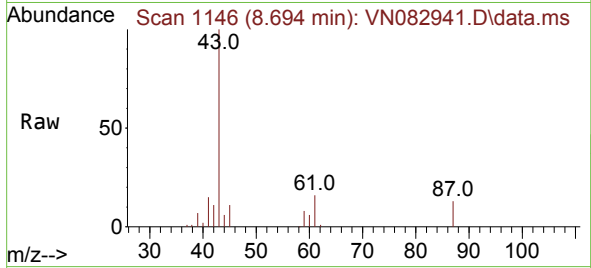




#43  
Isopropyl Acetate  
Concen: 32.651 ug/l  
RT: 8.694 min Scan# 1146  
Delta R.T. 0.000 min  
Lab File: VN082941.D  
Acq: 16 Jul 2024 17:35

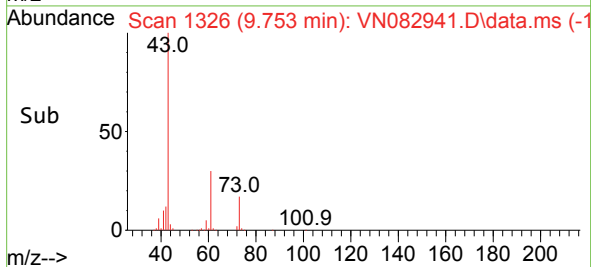
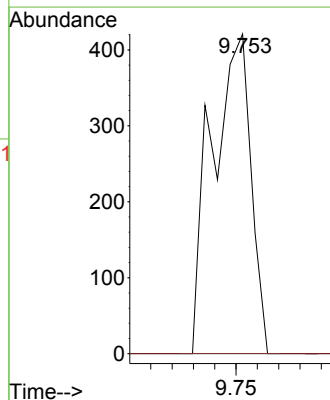
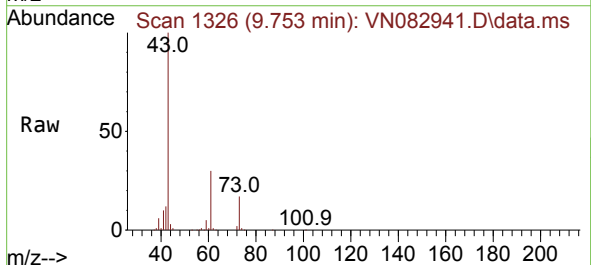
Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-CTW2-BL-01-G

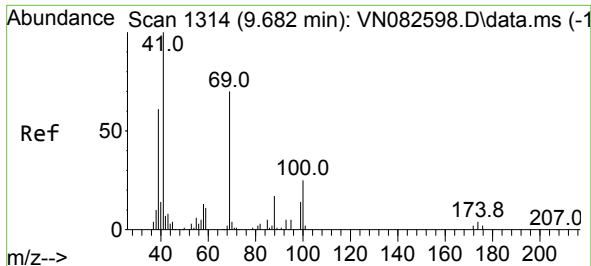
Tgt Ion: 43 Resp: 86776  
Ion Ratio Lower Upper  
43 100  
61 13.4 17.8 26.6#  
87 9.8 8.2 12.2



#45  
1,2-Dichloropropane  
Concen: 0.555 ug/l  
RT: 9.753 min Scan# 1326  
Delta R.T. 0.130 min  
Lab File: VN082941.D  
Acq: 16 Jul 2024 17:35

Tgt Ion: 63 Resp: 535  
Ion Ratio Lower Upper  
63 100  
65 0.0 24.4 36.6#

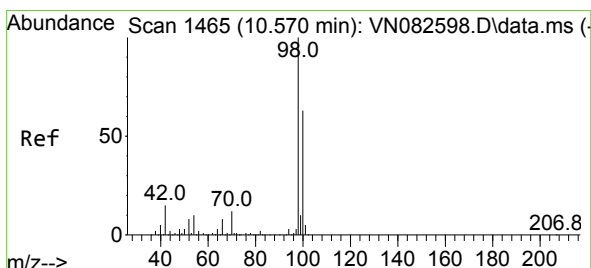
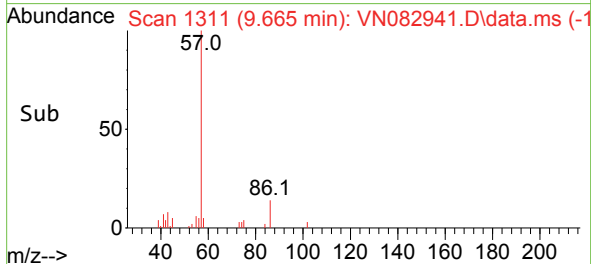
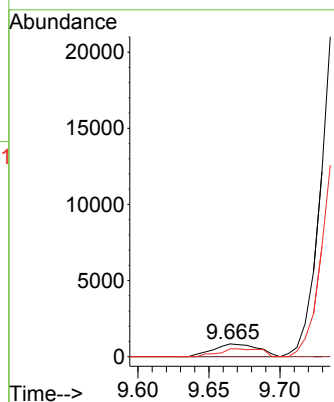
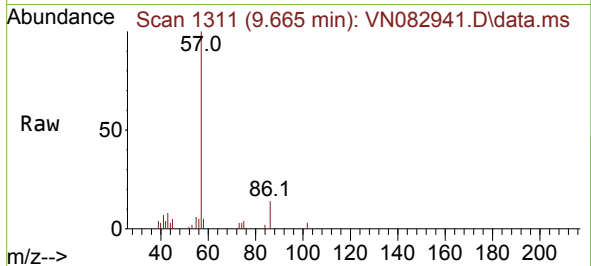




#48  
Methyl methacrylate  
Concen: 1.728 ug/l  
RT: 9.665 min Scan# 11  
Delta R.T. -0.017 min  
Lab File: VN082941.D  
Acq: 16 Jul 2024 17:35

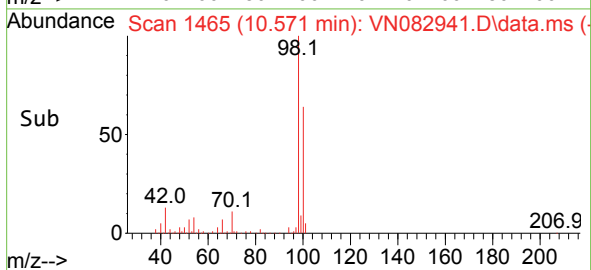
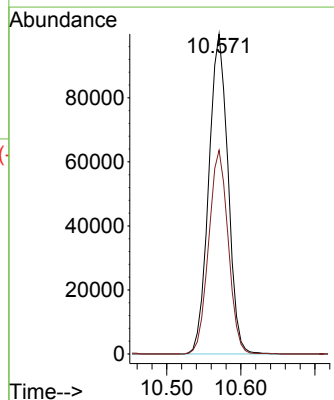
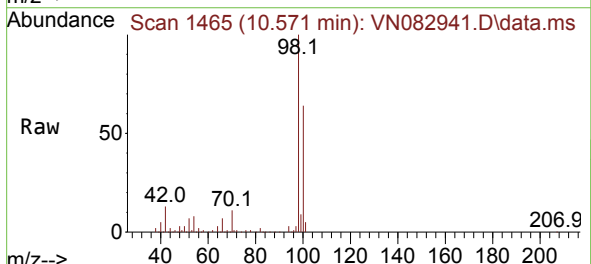
Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-CTW2-BL-01-G

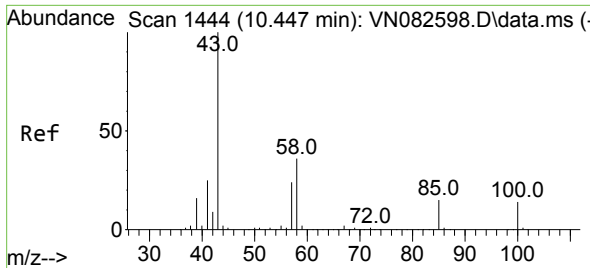
Tgt Ion: 41 Resp: 1851  
Ion Ratio Lower Upper  
41 100  
69 0.0 56.3 84.5#  
39 58.1 50.3 75.5



#50  
Toluene-d8  
Concen: 50.072 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.001 min  
Lab File: VN082941.D  
Acq: 16 Jul 2024 17:35

Tgt Ion: 98 Resp: 180028  
Ion Ratio Lower Upper  
98 100  
100 64.6 51.5 77.3

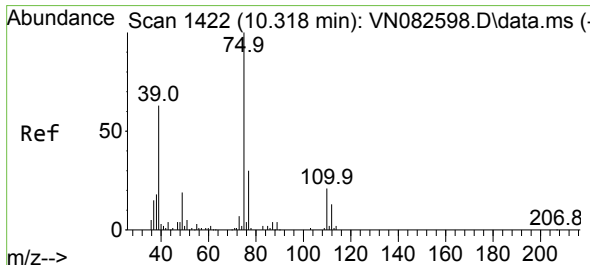
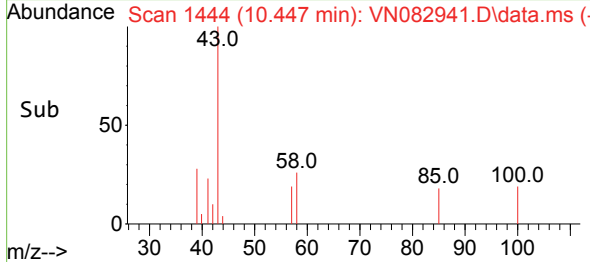
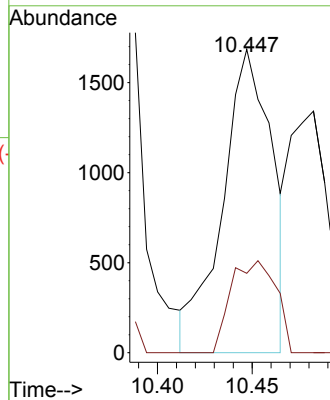
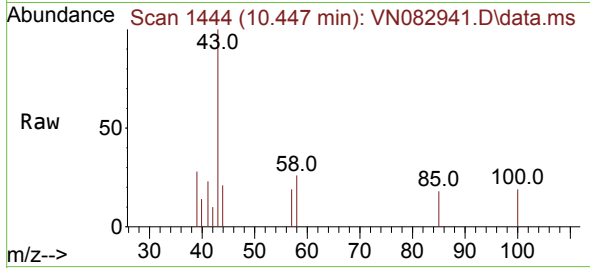




#51  
4-Methyl-2-Pentanone  
Concen: 2.263 ug/l  
RT: 10.447 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: VN082941.D  
Acq: 16 Jul 2024 17:35

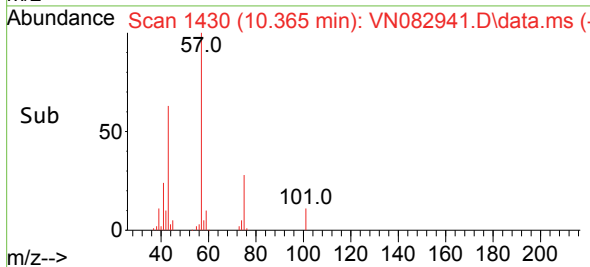
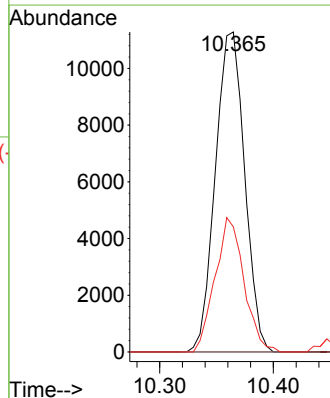
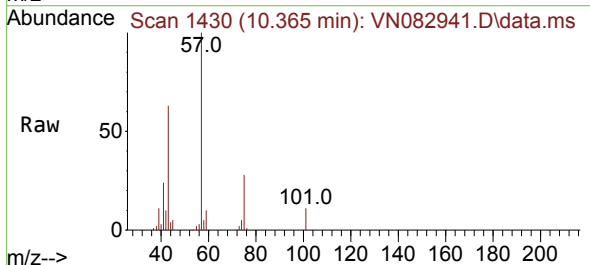
Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-CTW2-BL-01-G

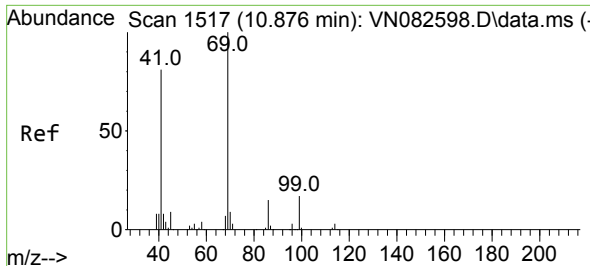
Tgt Ion: 43 Resp: 3066  
Ion Ratio Lower Upper  
43 100  
58 27.6 28.2 42.4#



#54  
cis-1,3-Dichloropropene  
Concen: 11.944 ug/l  
RT: 10.365 min Scan# 1430  
Delta R.T. 0.047 min  
Lab File: VN082941.D  
Acq: 16 Jul 2024 17:35

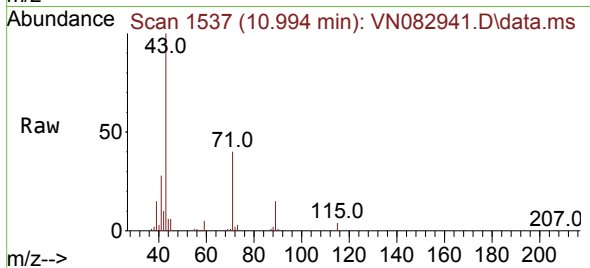
Tgt Ion: 75 Resp: 20206  
Ion Ratio Lower Upper  
75 100  
77 0.0 24.3 36.5#  
39 39.1 50.5 75.7#



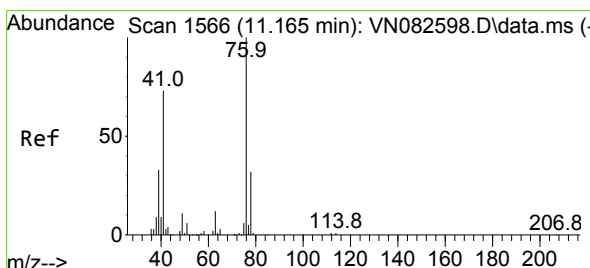
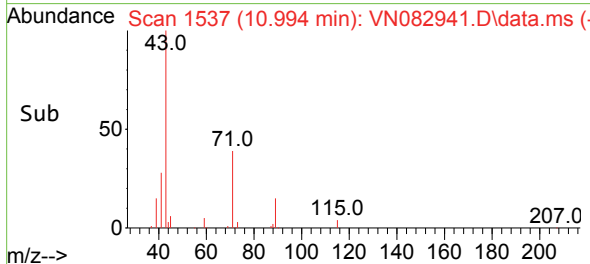
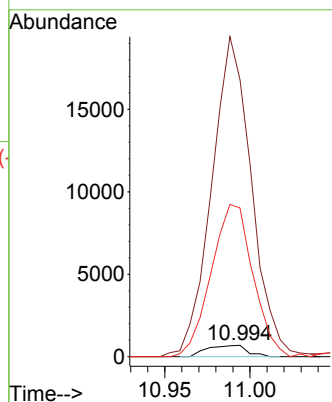


#56  
Ethyl methacrylate  
Concen: 0.766 ug/l  
RT: 10.994 min Scan# 1537  
Delta R.T. 0.118 min  
Lab File: VN082941.D  
Acq: 16 Jul 2024 17:35

Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-CTW2-BL-01-G

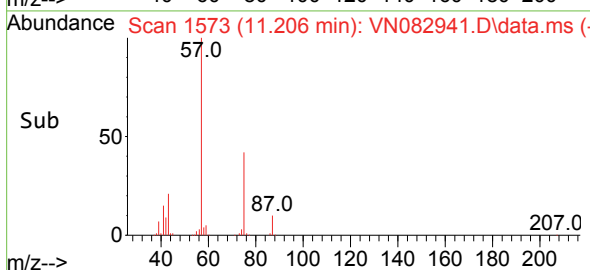
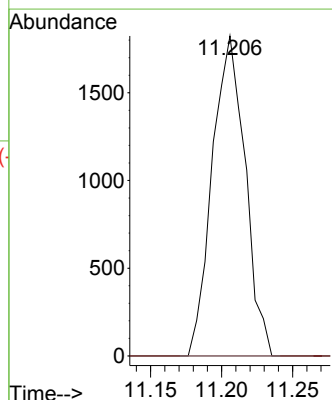
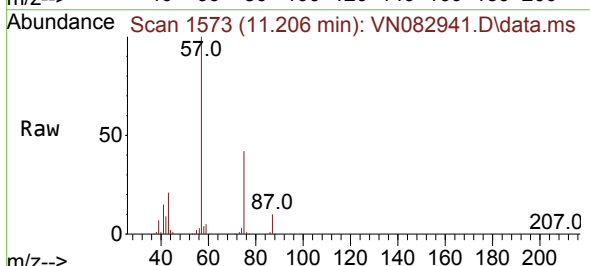


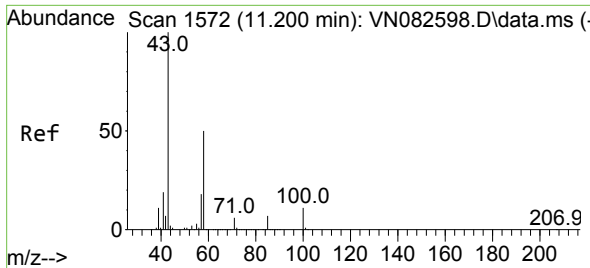
Tgt Ion: 69 Resp: 1130  
Ion Ratio Lower Upper  
69 100  
41 2802.3 63.4 95.2#  
39 1397.0 37.4 56.0#



#57  
1,3-Dichloropropane  
Concen: 1.753 ug/l  
RT: 11.206 min Scan# 1573  
Delta R.T. 0.041 min  
Lab File: VN082941.D  
Acq: 16 Jul 2024 17:35

Tgt Ion: 76 Resp: 2942  
Ion Ratio Lower Upper  
76 100  
78 0.0 25.6 38.4#

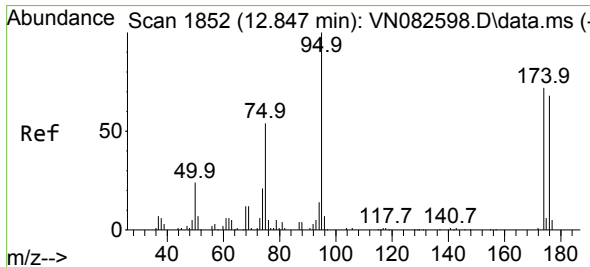
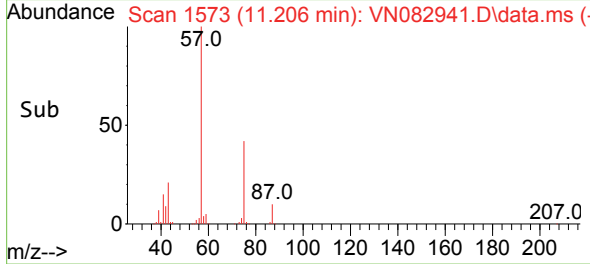
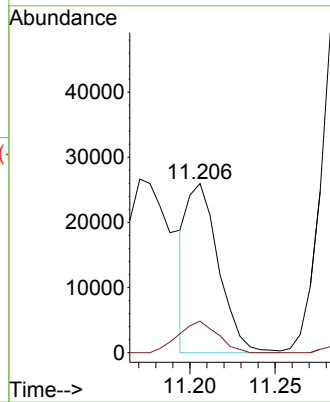
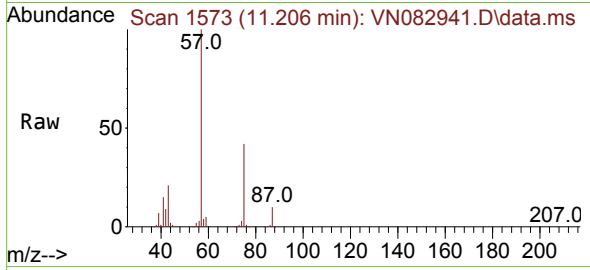




#59  
2-Hexanone  
Concen: 33.115 ug/l  
RT: 11.206 min Scan# 1157  
Delta R.T. 0.006 min  
Lab File: VN082941.D  
Acq: 16 Jul 2024 17:35

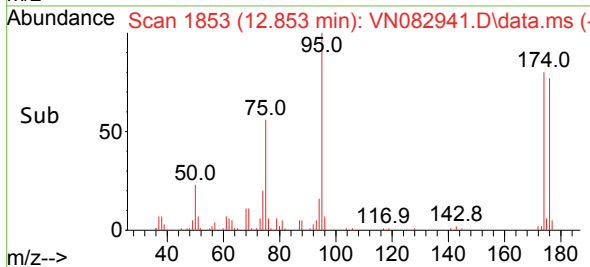
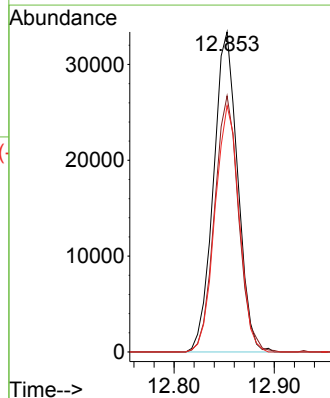
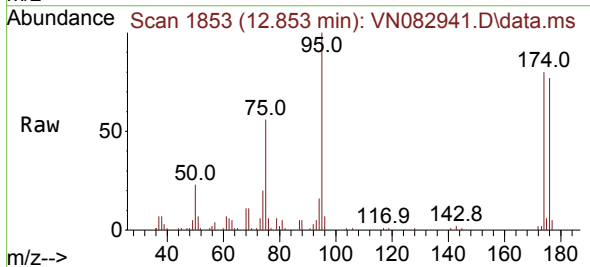
Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-CTW2-BL-01-G

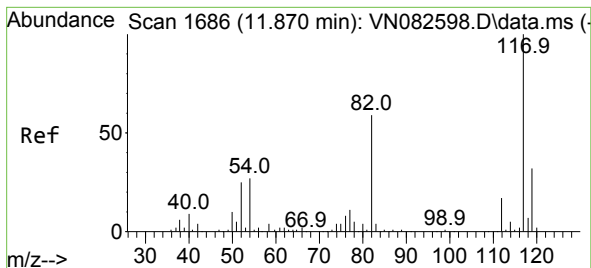
Tgt Ion: 43 Resp: 33351  
Ion Ratio Lower Upper  
43 100  
58 23.2 24.6 73.8#



#62  
4-Bromofluorobenzene  
Concen: 43.384 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: VN082941.D  
Acq: 16 Jul 2024 17:35

Tgt Ion: 95 Resp: 56030  
Ion Ratio Lower Upper  
95 100  
174 79.6 0.0 159.2  
176 77.0 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN082941.D

Acq: 16 Jul 2024 17:35

Instrument :

MSVOA\_N

ClientSampleId :

WC-CTW2-BL-01-G

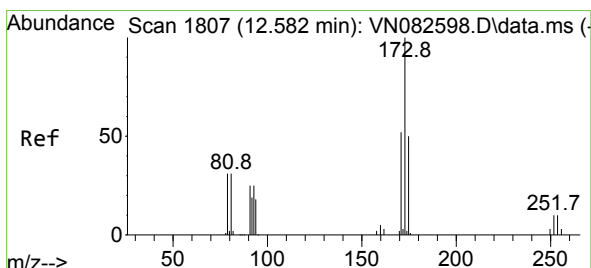
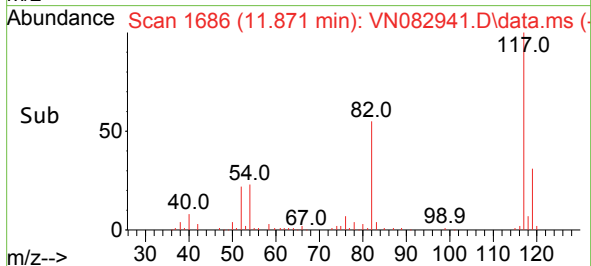
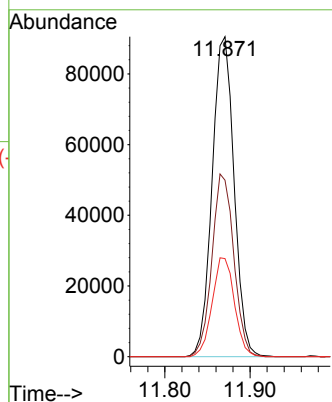
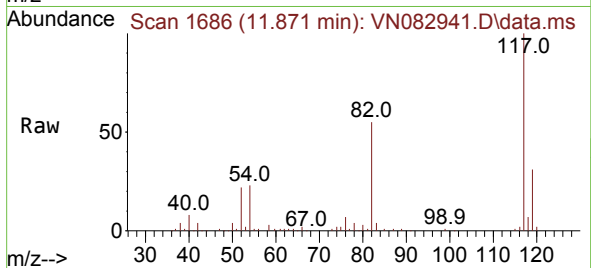
Tgt Ion:117 Resp: 161695

Ion Ratio Lower Upper

117 100

82 55.1 47.5 71.3

119 30.7 25.6 38.4



#71

Bromoform

Concen: 0.507 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.271 min

Lab File: VN082941.D

Acq: 16 Jul 2024 17:35

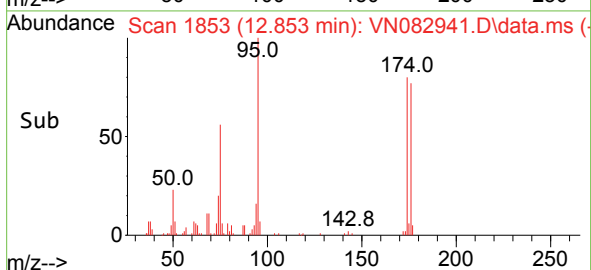
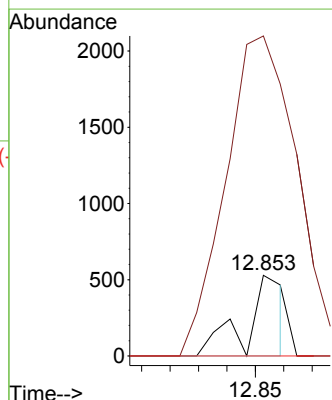
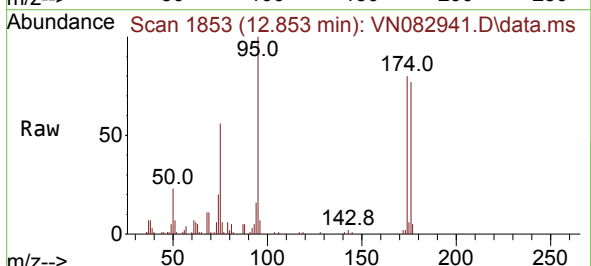
Tgt Ion:173 Resp: 491

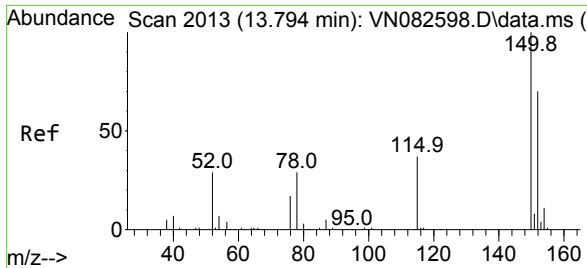
Ion Ratio Lower Upper

173 100

175 592.1 24.0 72.0#

254 0.0 0.0 0.0

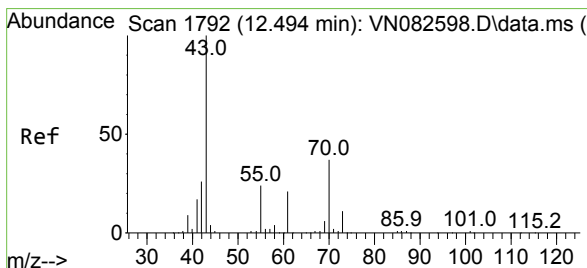
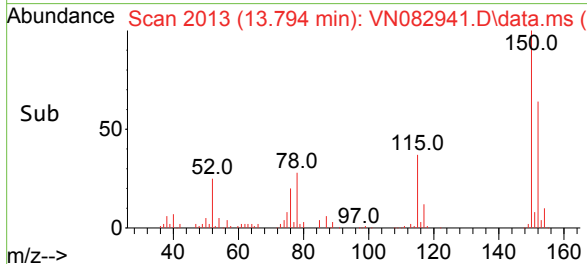
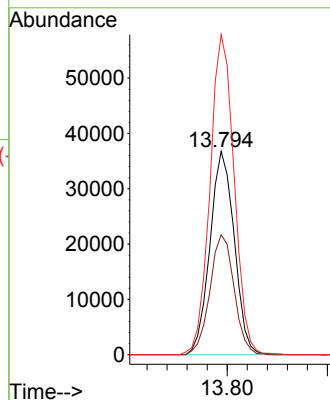
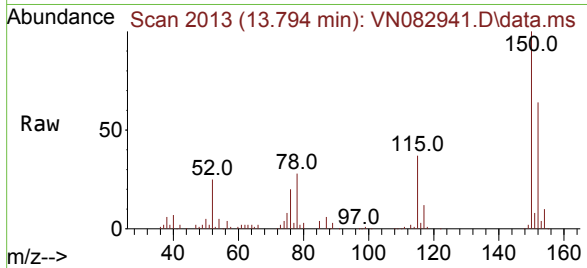




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 20  
Delta R.T. -0.000 min  
Lab File: VN082941.D  
Acq: 16 Jul 2024 17:35

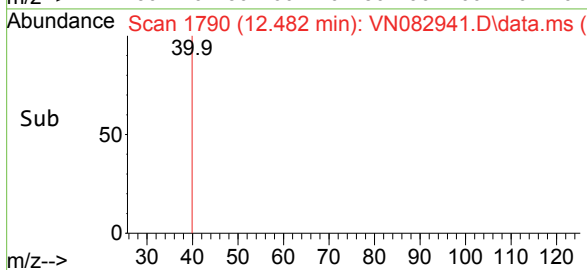
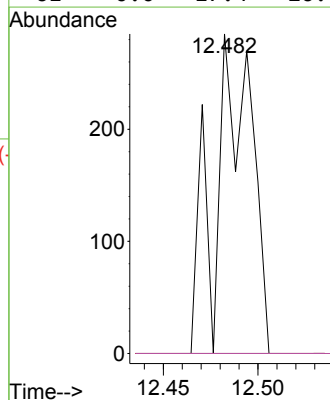
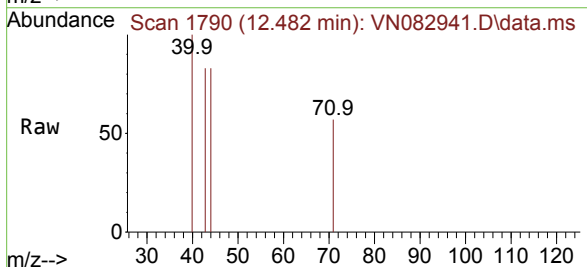
Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-CTW2-BL-01-G

Tgt Ion:152 Resp: 61932  
Ion Ratio Lower Upper  
152 100  
115 58.6 30.6 91.6  
150 156.0 0.0 348.6

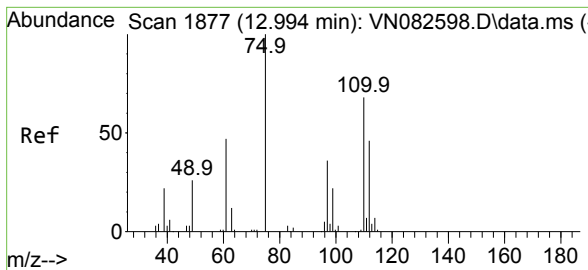


#74  
N-ethyl acetate  
Concen: 0.207 ug/l  
RT: 12.482 min Scan# 1790  
Delta R.T. -0.012 min  
Lab File: VN082941.D  
Acq: 16 Jul 2024 17:35

Tgt Ion: 43 Resp: 385  
Ion Ratio Lower Upper  
43 100  
70 0.0 29.8 44.6#  
55 0.0 18.7 28.1#  
61 0.0 17.4 26.0#



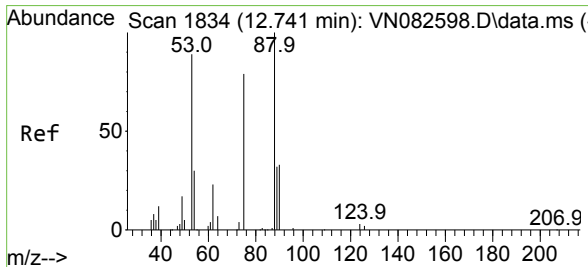
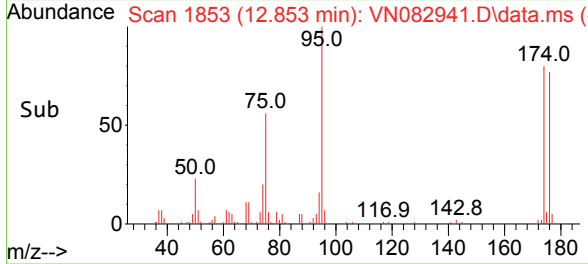
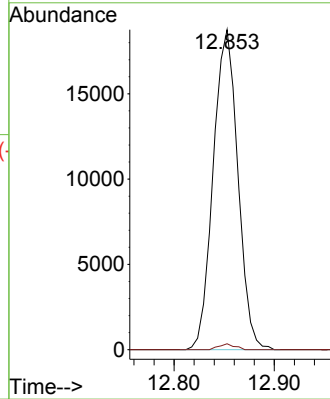
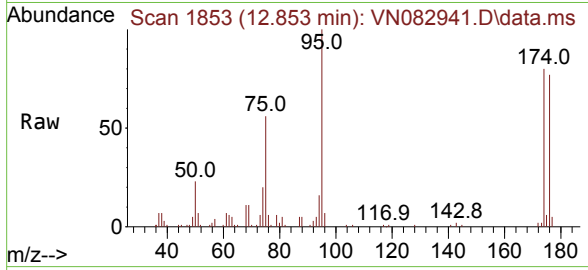




#76  
1,2,3-Trichloropropane  
Concen: 30.009 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.141 min  
Lab File: VN082941.D  
Acq: 16 Jul 2024 17:35

Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-CTW2-BL-01-G

Tgt Ion: 75 Resp: 32042  
Ion Ratio Lower Upper  
75 100  
77 1.2 110.9 332.6#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 59.019 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.112 min  
Lab File: VN082941.D  
Acq: 16 Jul 2024 17:35

Tgt Ion: 75 Resp: 32042  
Ion Ratio Lower Upper  
75 100  
53 0.0 88.4 132.6#  
89 0.0 36.3 54.5#

