

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120621\  
 Data File : VN069784.D  
 Acq On : 6 Dec 2021 15:27  
 Operator : JC/MD  
 Sample : M4932-01  
 Misc : 4.99g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 DRUM1-2

Quant Time: Dec 07 03:48:13 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N120221W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 03 08:46:47 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) Pentafluorobenzene         | 8.080  | 168   | 1464586  | 50.000   | ug/l   | 0.00      |
| 34) 1,4-Difluorobenzene       | 8.965  | 114   | 2615001  | 50.000   | ug/l   | 0.00      |
| 63) Chlorobenzene-d5          | 11.747 | 117   | 2904933  | 50.000   | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4    | 13.675 | 152   | 1655415  | 50.000   | ug/l   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 33) 1,2-Dichloroethane-d4     | 8.432  | 65    | 1047133  | 46.306   | ug/l   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery | =      | 92.620%   |
| 35) Dibromofluoromethane      | 8.016  | 113   | 721161   | 44.027   | ug/l   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery | =      | 88.060%   |
| 50) Toluene-d8                | 10.440 | 98    | 6410835  | 97.473   | ug/l   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery | =      | 194.940%# |
| 62) 4-Bromofluorobenzene      | 12.731 | 95    | 2248128  | 94.351   | ug/l   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery | =      | 188.700%# |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 3) Chloromethane              | 2.290  | 50    | 4360     | 0.204    | ug/l   | 91        |
| 11) Tert butyl alcohol        | 5.307  | 59    | 38015    | 8.894    | ug/l # | 71        |
| 14) Allyl chloride            | 5.079  | 41    | 433037   | 13.775   | ug/l # | 62        |
| 15) Acrylonitrile             | 5.559  | 53    | 16648    | 1.445    | ug/l # | 13        |
| 16) Acetone                   | 4.317  | 43    | 19259    | 1.416    | ug/l   | 92        |
| 18) Methyl Acetate            | 5.079  | 43    | 988893   | 24.084   | ug/l # | 51        |
| 20) Methylene Chloride        | 5.060  | 84    | 7258     | 0.401    | ug/l # | 21        |
| 25) 2-Butanone                | 7.300  | 43    | 36908    | 1.997    | ug/l # | 48        |
| 26) 2,2-Dichloropropane       | 7.117  | 77    | 21604    | 0.873    | ug/l # | 53        |
| 30) Chloroform                | 7.761  | 83    | 23133    | 0.720    | ug/l # | 20        |
| 31) Cyclohexane               | 8.075  | 56    | 5193868  | 165.043  | ug/l # | 78        |
| 36) 1,1-Dichloropropene       | 8.078  | 75    | 127708   | 5.130    | ug/l # | 64        |
| 37) Ethyl Acetate             | 7.300  | 43    | 36908    | 0.996    | ug/l # | 68        |
| 38) Carbon Tetrachloride      | 8.078  | 117   | 149676   | 6.131    | ug/l # | 15        |
| 39) Methylcyclohexane         | 9.636  | 83    | 290429   | 9.808    | ug/l # | 1         |
| 41) Methacrylonitrile         | 7.665  | 41    | 20640    | 1.187    | ug/l # | 44        |
| 42) 1,2-Dichloroethane        | 8.558  | 62    | 22683    | 0.738    | ug/l # | 1         |
| 43) Isopropyl Acetate         | 8.547  | 43    | 1264671  | 23.065   | ug/l # | 56        |
| 45) 1,2-Dichloropropane       | 9.456  | 63    | 409127   | 20.023   | ug/l # | 1         |
| 47) Bromodichloromethane      | 9.730  | 83    | 405692   | 15.989   | ug/l # | 38        |
| 48) Methyl methacrylate       | 9.636  | 41    | 2550482  | 99.675   | ug/l # | 70        |
| 51) 4-Methyl-2-Pentanone      | 10.438 | 43    | 2512911  | 70.647   | ug/l # | 42        |
| 52) Toluene                   | 10.505 | 92    | 49362    | 1.063    | ug/l # | 1         |
| 53) t-1,3-Dichloropropene     | 10.743 | 75    | 2307     | 2.866    | ug/l # | 1         |
| 54) cis-1,3-Dichloropropene   | 10.199 | 75    | 1936     | 2.057    | ug/l # | 1         |
| 55) 1,1,2-Trichloroethane     | 10.878 | 97    | 8651388  | 461.564  | ug/l # | 20        |
| 56) Ethyl methacrylate        | 10.741 | 69    | 2091302  | 58.716   | ug/l # | 57        |
| 58) 2-Chloroethyl Vinyl ether | 10.011 | 63    | 15290    | 19.872   | ug/l # | 49        |
| 59) 2-Hexanone                | 11.052 | 43    | 11526283 | 428.367  | ug/l # | 29        |
| 60) Dibromochloromethane      | 11.154 | 129   | 14210    | 3.050    | ug/l   | 73        |
| 61) 1,2-Dibromoethane         | 11.347 | 107   | 6886     | 0.355    | ug/l # | 1         |
| 65) Chlorobenzene             | 11.671 | 112   | 75095    | 1.274    | ug/l # | 46        |
| 67) Ethyl Benzene             | 11.846 | 91    | 1267252  | 11.838   | ug/l   | 94        |
| 68) m/p-Xylenes               | 11.961 | 106   | 2611879  | 67.010   | ug/l   | 85        |
| 69) o-Xylene                  | 12.283 | 106   | 6146700  | 156.560  | ug/l   | 91        |
| 70) Styrene                   | 12.283 | 104   | 336570   | 5.406    | ug/l # | 1         |

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 Sample : M4932-01  
 Misc : 4.99g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 9 Sample Multiplier: 1

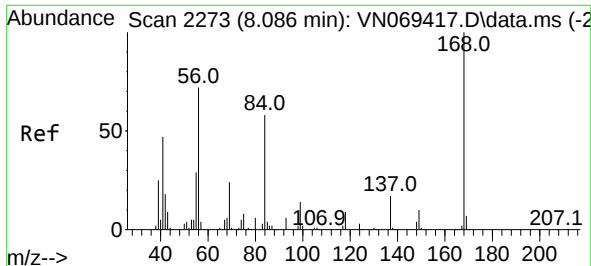
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 DRUM1-2

Quant Time: Dec 07 03:48:13 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N120221W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 03 08:46:47 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 71) Bromoform                 | 12.449 | 173  | 4045     | 2.946   | ug/l # | 29       |
| 73) Isopropylbenzene          | 12.581 | 105  | 1357888  | 9.219   | ug/l   | 93       |
| 74) N-amyl acetate            | 12.369 | 43   | 5689836  | 87.354  | ug/l # | 43       |
| 75) 1,1,2,2-Tetrachloroethane | 12.809 | 83   | 298716   | 5.865   | ug/l # | 25       |
| 76) 1,2,3-Trichloropropane    | 12.986 | 75   | 70678    | 1.489   | ug/l # | 1        |
| 77) Bromobenzene              | 12.953 | 156  | 138408   | 4.001   | ug/l # | 1        |
| 78) n-propylbenzene           | 12.921 | 91   | 2628281  | 16.036  | ug/l   | 93       |
| 79) 2-Chlorotoluene           | 13.018 | 91   | 1165778  | 11.257  | ug/l # | 38       |
| 80) 1,3,5-Trimethylbenzene    | 13.061 | 105  | 5298863  | 44.698  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.733 | 75   | 850899   | 57.958  | ug/l # | 16       |
| 82) 4-Chlorotoluene           | 13.061 | 91   | 690541   | 7.090   | ug/l # | 54       |
| 83) tert-Butylbenzene         | 13.326 | 119  | 186392   | 1.776   | ug/l # | 62       |
| 84) 1,2,4-Trimethylbenzene    | 13.222 | 105  | 12696511 | 112.458 | ug/l   | 77       |
| 85) sec-Butylbenzene          | 13.503 | 105  | 2158190  | 15.158  | ug/l # | 78       |
| 86) p-Isopropyltoluene        | 13.619 | 119  | 5139054  | 46.175  | ug/l   | 96       |
| 89) n-Butylbenzene            | 13.943 | 91   | 2222196  | 24.614  | ug/l # | 67       |
| 90) Hexachloroethane          | 14.217 | 117  | 1020063  | 52.204  | ug/l # | 6        |
| 92) 1,2-Dibromo-3-Chloropr... | 14.579 | 75   | 47668    | 5.179   | ug/l # | 1        |
| 93) 1,2,4-Trichlorobenzene    | 15.257 | 180  | 1571     | 2.932   | ug/l # | 1        |
| 95) Naphthalene               | 15.507 | 128  | 2918909  | 37.190  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.700 | 180  | 3895     | 2.576   | ug/l # | 40       |

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

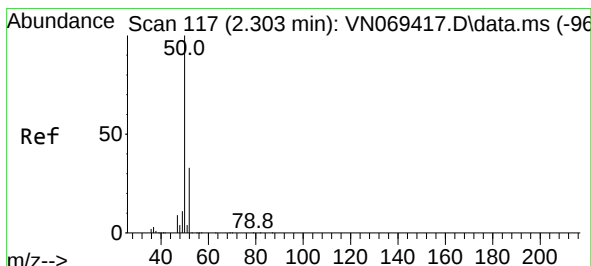
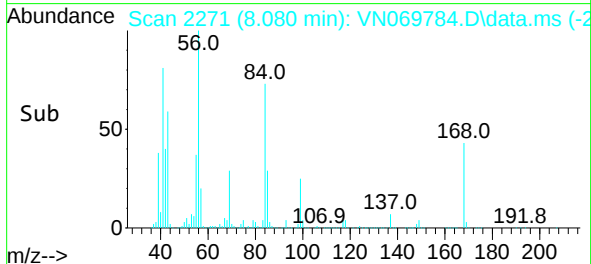
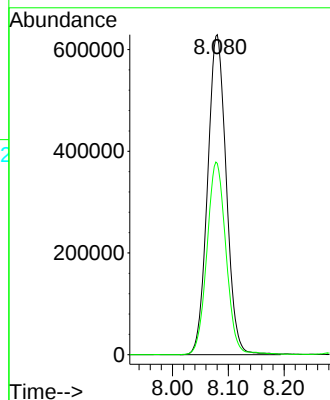
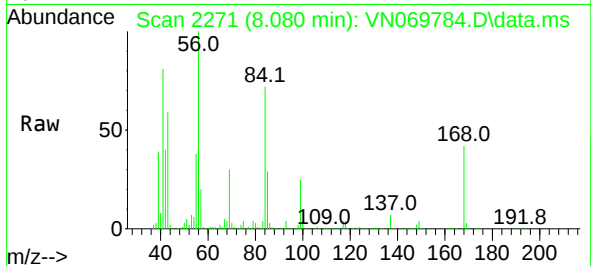




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.080 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

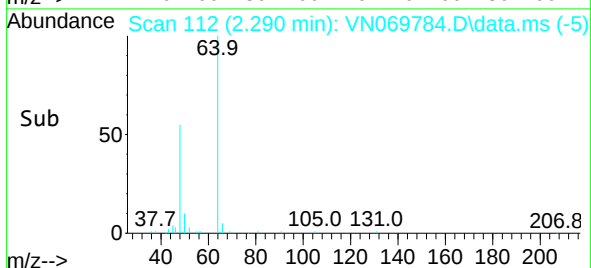
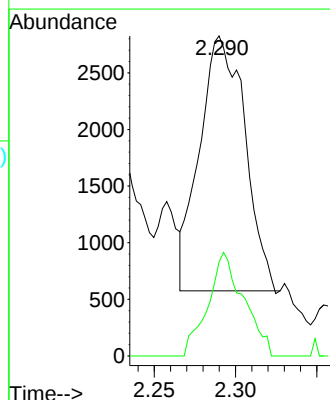
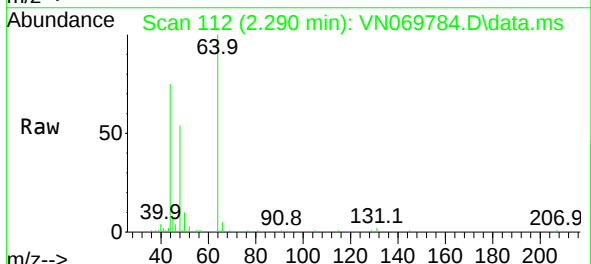
Instrument :  
MSVOA\_N  
ClientSampleId :  
DRUM1-2

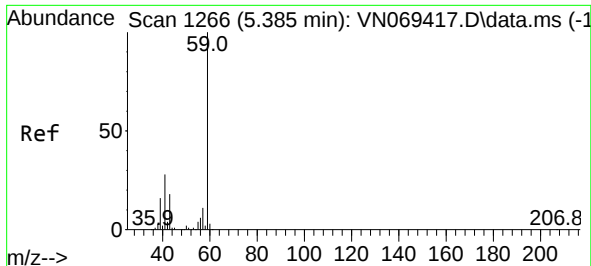
Tgt Ion:168 Resp: 1464586  
Ion Ratio Lower Upper  
168 100  
99 59.7 41.3 61.9



#3  
Chloromethane  
Concen: 0.204 ug/l  
RT: 2.290 min Scan# 112  
Delta R.T. -0.013 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

Tgt Ion: 50 Resp: 4360  
Ion Ratio Lower Upper  
50 100  
52 36.9 25.4 38.0





#11

Tert butyl alcohol

Concen: 8.894 ug/l

RT: 5.307 min Scan# 11

Delta R.T. -0.083 min

Lab File: VN069784.D

Acq: 6 Dec 2021 15:27

Instrument :

MSVOA\_N

ClientSampleId :

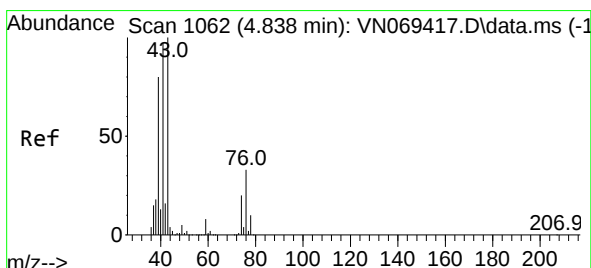
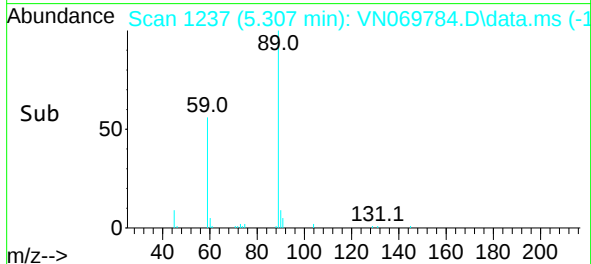
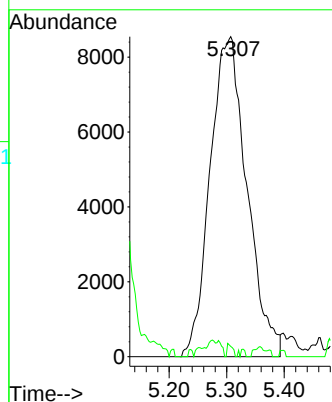
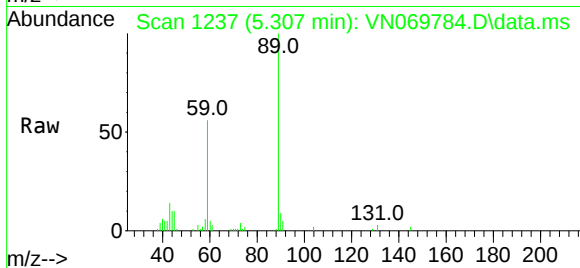
DRUM1-2

Tgt Ion: 59 Resp: 38015

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#14

Allyl chloride

Concen: 13.775 ug/l

RT: 5.079 min Scan# 1152

Delta R.T. 0.241 min

Lab File: VN069784.D

Acq: 6 Dec 2021 15:27

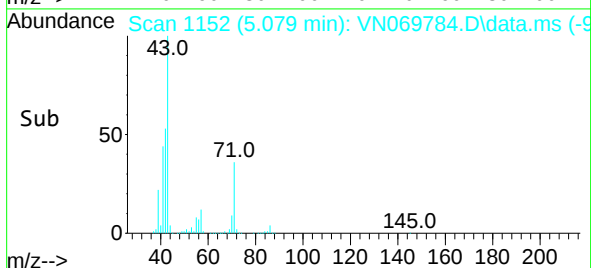
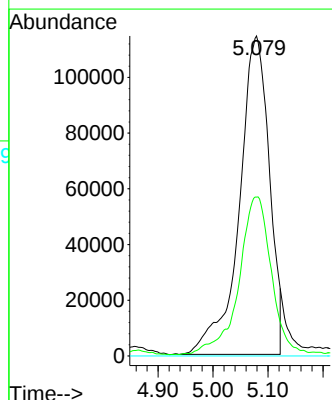
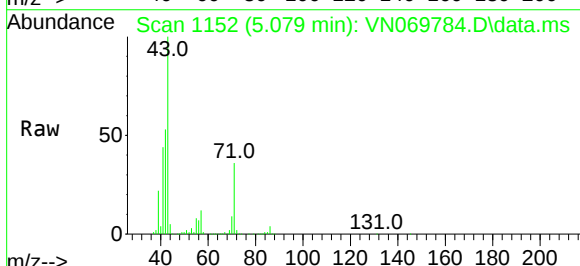
Tgt Ion: 41 Resp: 433037

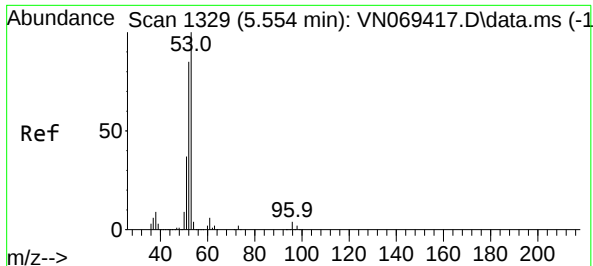
Ion Ratio Lower Upper

41 100

39 50.9 61.2 91.8#

76 0.0 26.0 39.0#

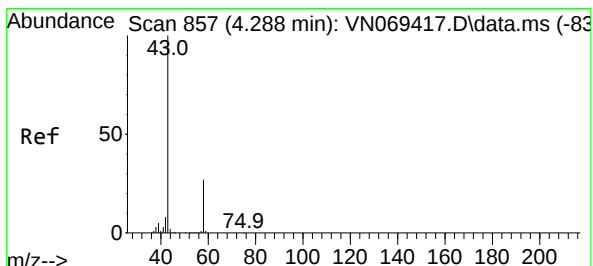
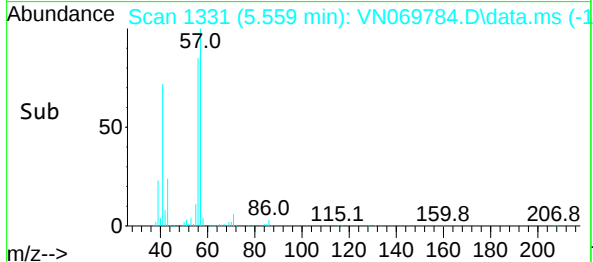
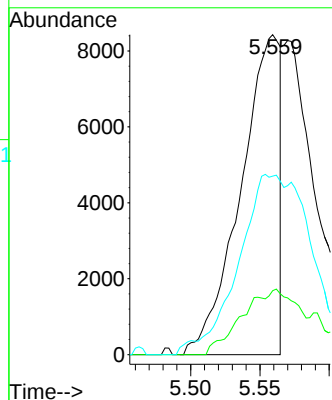
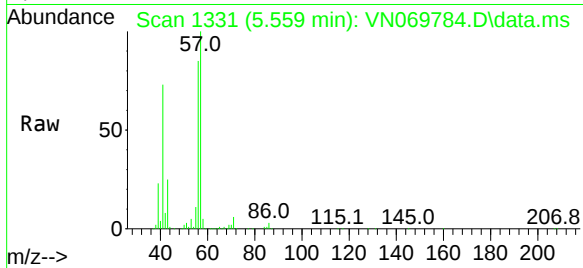




#15  
Acrylonitrile  
Concen: 1.445 ug/l  
RT: 5.559 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

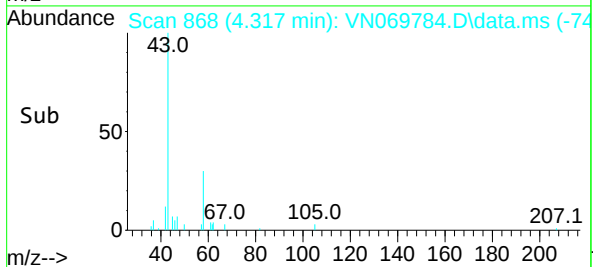
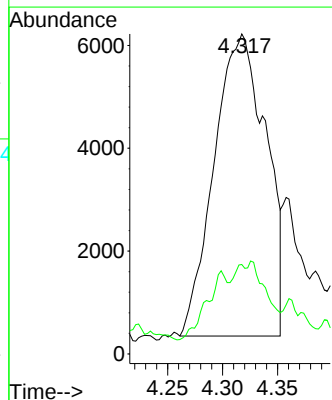
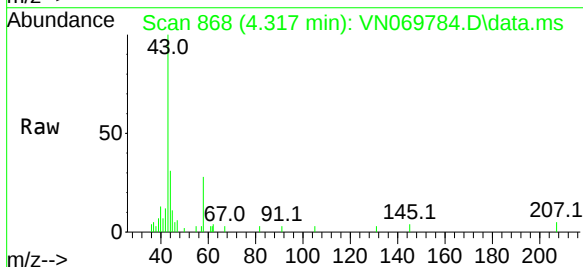
Instrument :  
MSVOA\_N  
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DRUM1-2

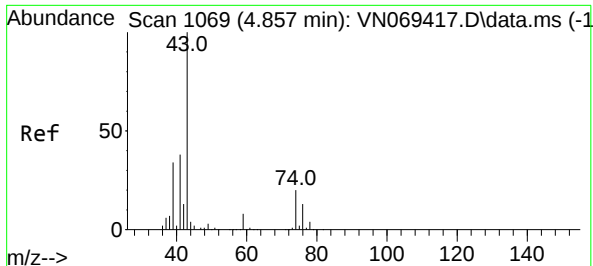
Tgt Ion: 53 Resp: 16648  
Ion Ratio Lower Upper  
53 100  
52 13.7 66.2 99.2#  
51 102.8 29.6 44.4#



#16  
Acetone  
Concen: 1.416 ug/l  
RT: 4.317 min Scan# 868  
Delta R.T. 0.027 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

Tgt Ion: 43 Resp: 19259  
Ion Ratio Lower Upper  
43 100  
58 24.8 23.1 34.7





#18

Methyl Acetate

Concen: 24.084 ug/l

RT: 5.079 min Scan# 1152

Delta R.T. 0.223 min

Lab File: VN069784.D

Acq: 6 Dec 2021 15:27

Instrument :

MSVOA\_N

ClientSampleId :

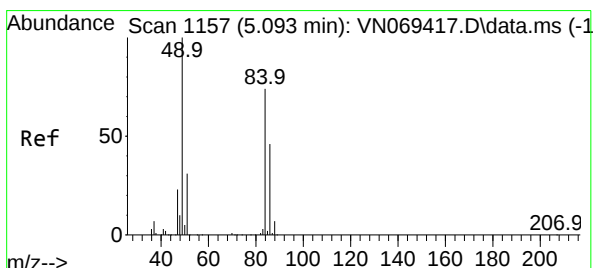
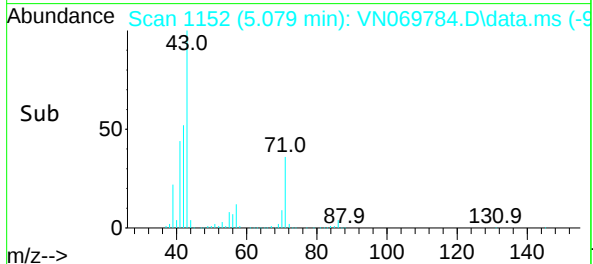
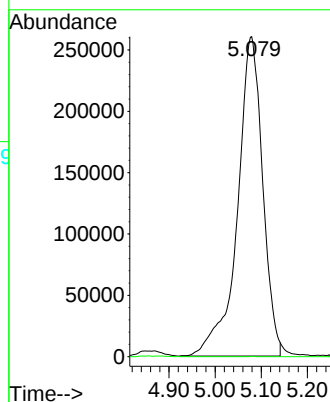
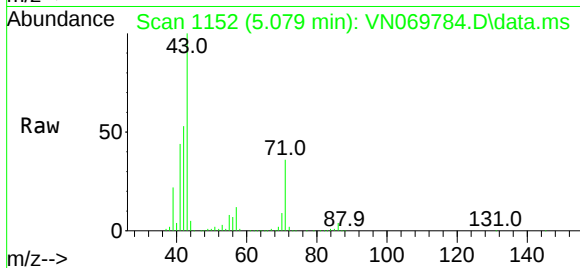
DRUM1-2

Tgt Ion: 43 Resp: 988893

Ion Ratio Lower Upper

43 100

74 0.0 19.4 29.2#



#20

Methylene Chloride

Concen: 0.401 ug/l

RT: 5.060 min Scan# 1145

Delta R.T. -0.032 min

Lab File: VN069784.D

Acq: 6 Dec 2021 15:27

Tgt Ion: 84 Resp: 7258

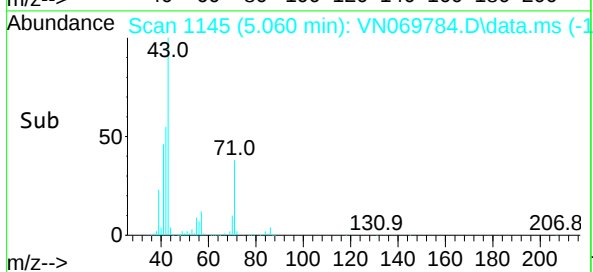
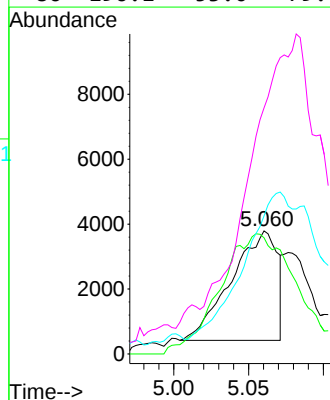
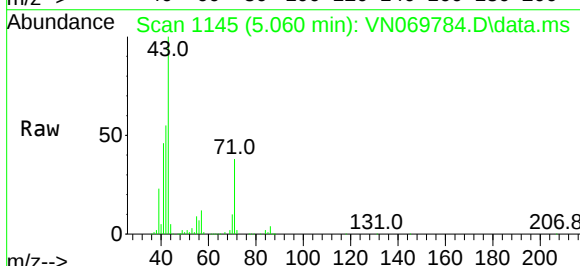
Ion Ratio Lower Upper

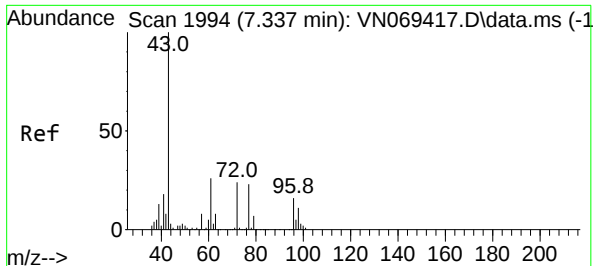
84 100

49 97.6 93.5 140.3

51 109.7 29.4 44.2#

86 196.1 53.0 79.4#





#25

2-Butanone

Concen: 1.997 ug/l

RT: 7.300 min Scan# 1912

Delta R.T. -0.037 min

Lab File: VN069784.D

Acq: 6 Dec 2021 15:27

Instrument :

MSVOA\_N

ClientSampleId :

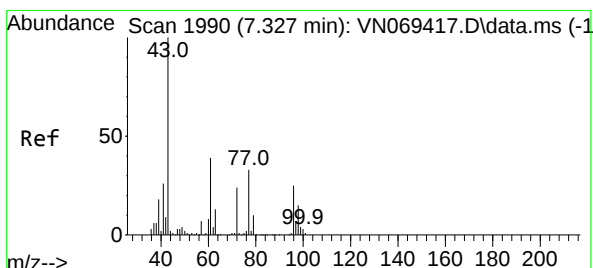
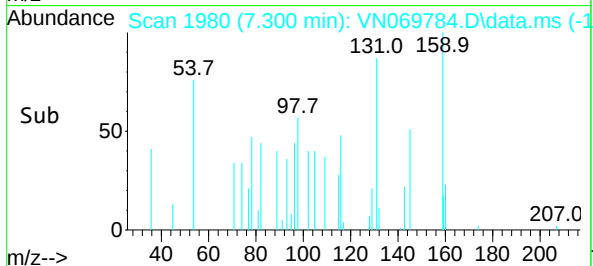
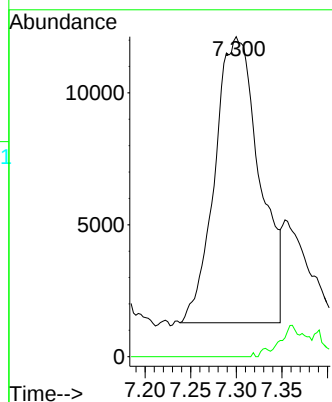
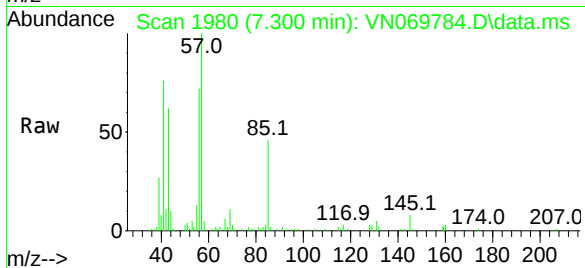
DRUM1-2

Tgt Ion: 43 Resp: 36908

Ion Ratio Lower Upper

43 100

72 0.0 21.7 32.5#



#26

2,2-Dichloropropane

Concen: 0.873 ug/l

RT: 7.117 min Scan# 1912

Delta R.T. -0.209 min

Lab File: VN069784.D

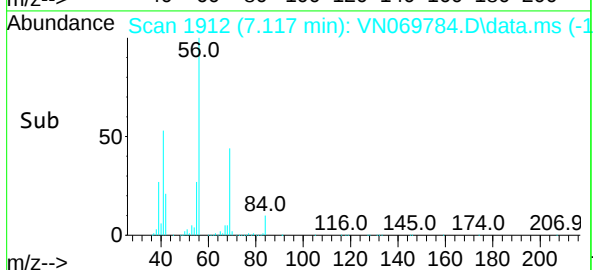
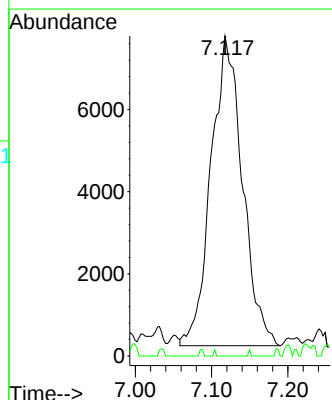
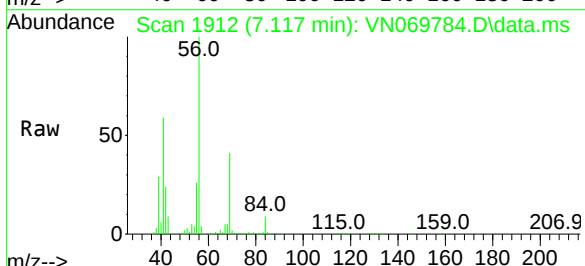
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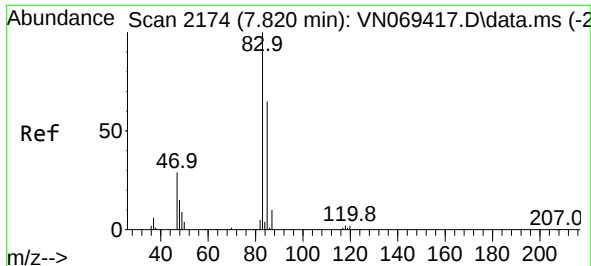
Tgt Ion: 77 Resp: 21604

Ion Ratio Lower Upper

77 100

97 0.1 11.6 34.8#





#30

Chloroform

Concen: 0.720 ug/l

RT: 7.761 min Scan# 21

Delta R.T. -0.059 min

Lab File: VN069784.D

Acq: 6 Dec 2021 15:27

Instrument :

MSVOA\_N

ClientSampleId :

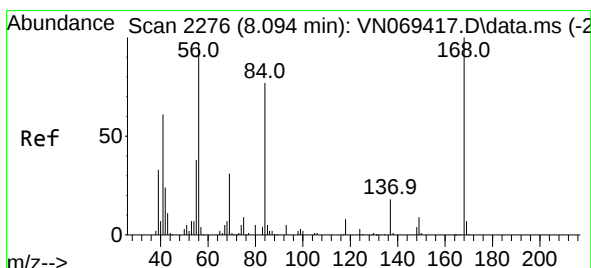
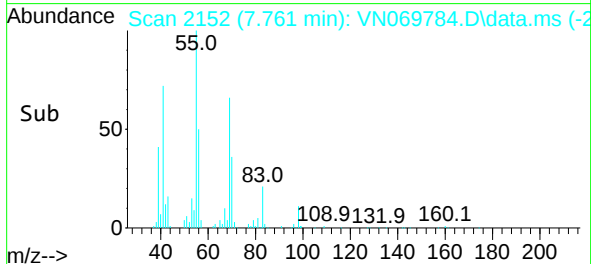
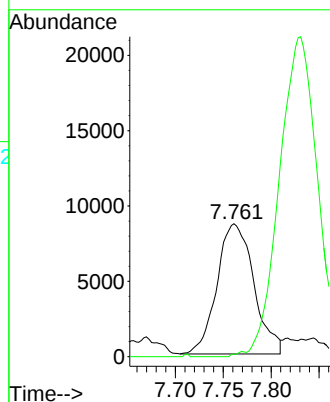
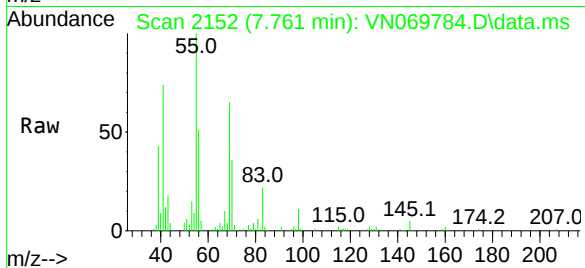
DRUM1-2

Tgt Ion: 83 Resp: 23133

Ion Ratio Lower Upper

83 100

85 1.9 51.9 77.9#



#31

Cyclohexane

Concen: 165.043 ug/l

RT: 8.075 min Scan# 2269

Delta R.T. -0.019 min

Lab File: VN069784.D

Acq: 6 Dec 2021 15:27

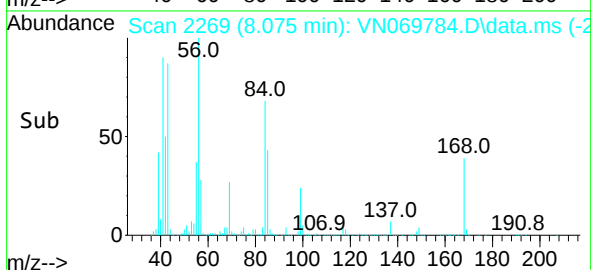
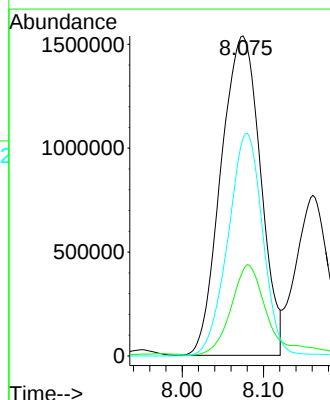
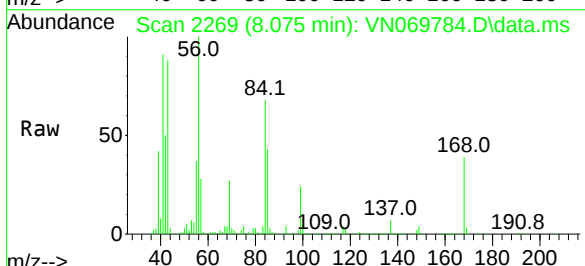
Tgt Ion: 56 Resp: 5193868

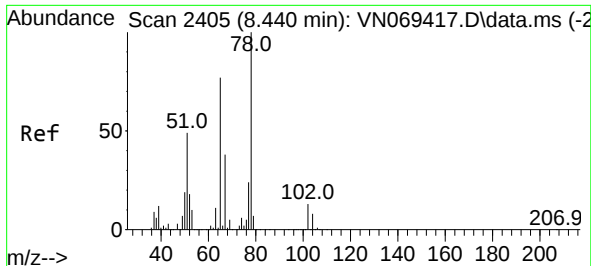
Ion Ratio Lower Upper

56 100

69 26.3 27.1 40.7#

84 68.1 73.4 110.0#

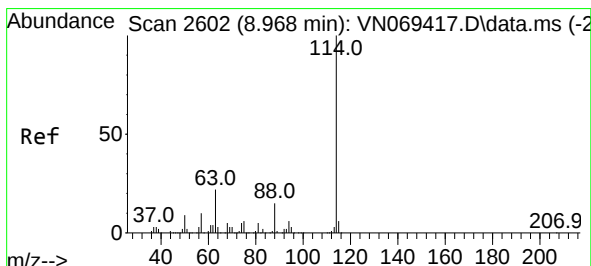
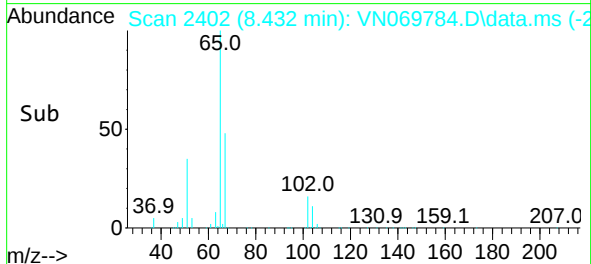
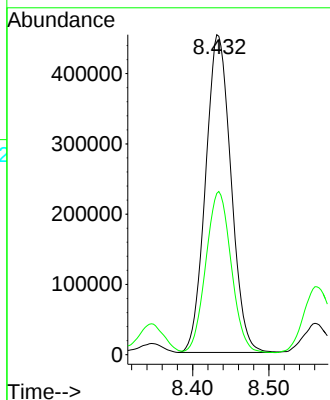
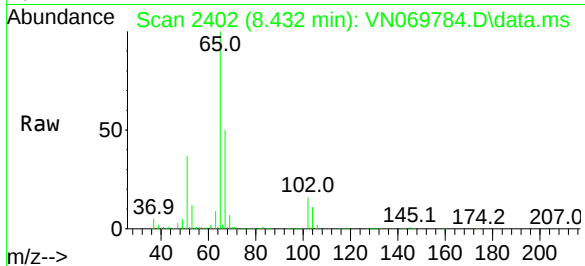




#33  
 1,2-Dichloroethane-d4  
 Concen: 46.306 ug/l  
 RT: 8.432 min Scan# 2405  
 Delta R.T. -0.005 min  
 Lab File: VN069784.D  
 Acq: 6 Dec 2021 15:27

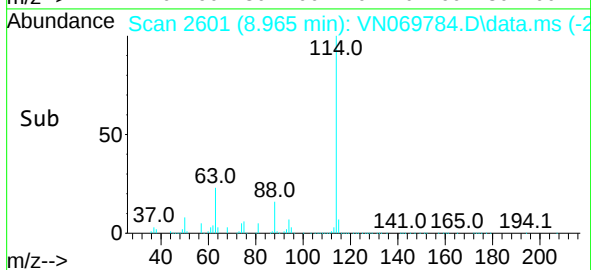
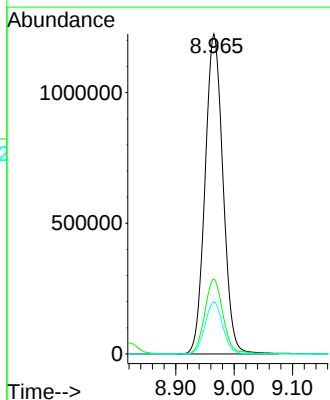
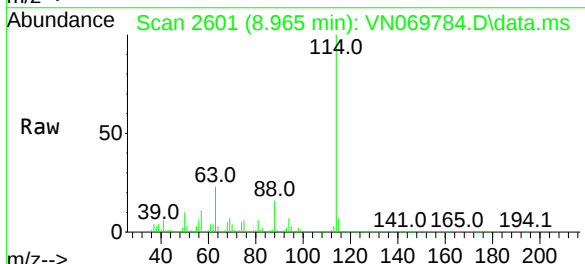
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 DRUM1-2

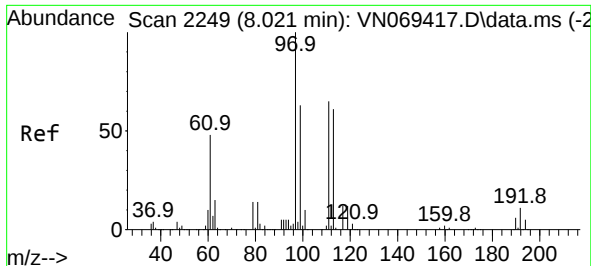
Tgt Ion: 65 Resp: 1047133  
 Ion Ratio Lower Upper  
 65 100  
 67 50.6 0.0 103.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.965 min Scan# 2601  
 Delta R.T. -0.003 min  
 Lab File: VN069784.D  
 Acq: 6 Dec 2021 15:27

Tgt Ion: 114 Resp: 2615001  
 Ion Ratio Lower Upper  
 114 100  
 63 23.4 0.0 37.8  
 88 16.4 0.0 27.4

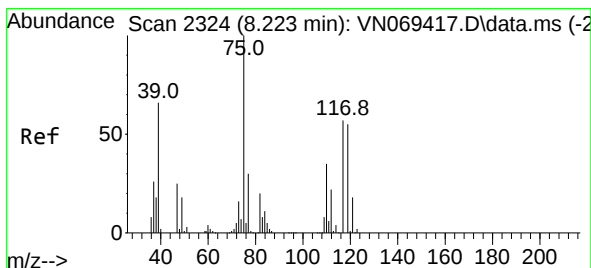
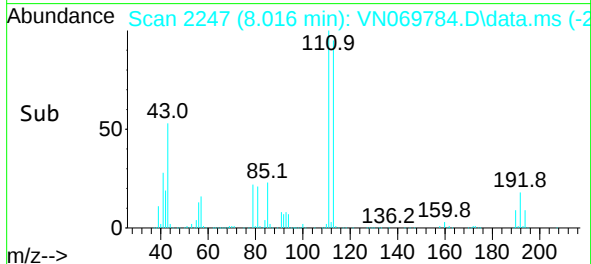
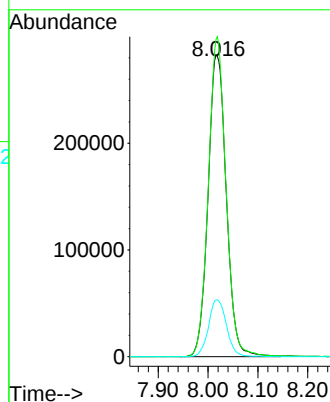
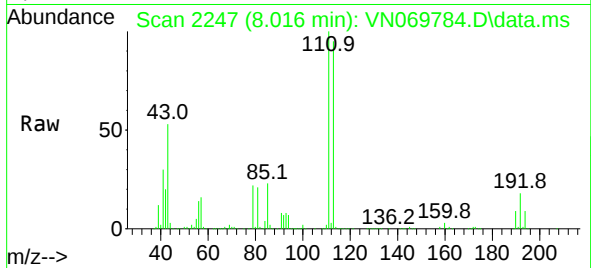




#35  
 Dibromofluoromethane  
 Concen: 44.027 ug/l  
 RT: 8.016 min Scan# 2113  
 Delta R.T. -0.008 min  
 Lab File: VN069784.D  
 Acq: 6 Dec 2021 15:27

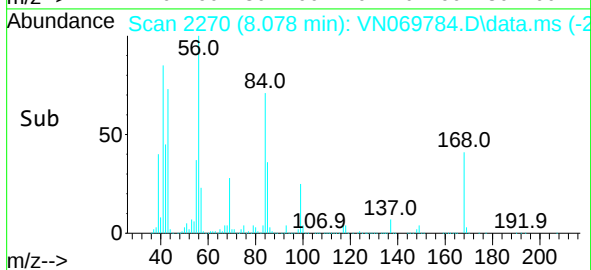
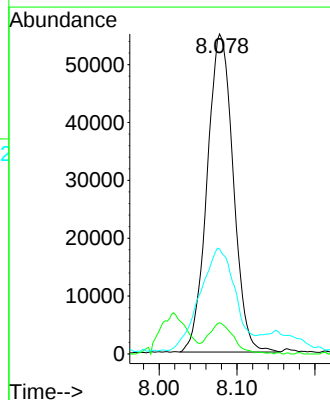
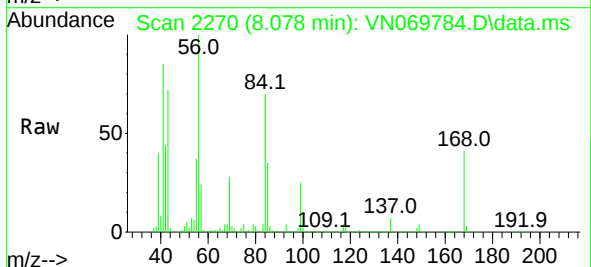
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 DRUM1-2

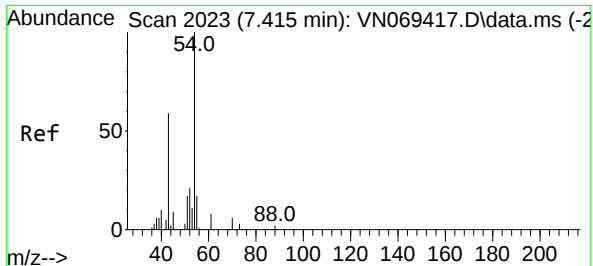
Tgt Ion:113 Resp: 721161  
 Ion Ratio Lower Upper  
 113 100  
 111 102.3 82.2 123.2  
 192 18.5 16.9 25.3



#36  
 1,1-Dichloropropene  
 Concen: 5.130 ug/l  
 RT: 8.078 min Scan# 2270  
 Delta R.T. -0.145 min  
 Lab File: VN069784.D  
 Acq: 6 Dec 2021 15:27

Tgt Ion: 75 Resp: 127708  
 Ion Ratio Lower Upper  
 75 100  
 110 9.4 18.4 55.2#  
 77 43.5 24.4 36.6#

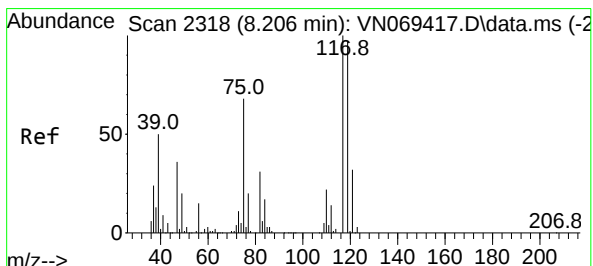
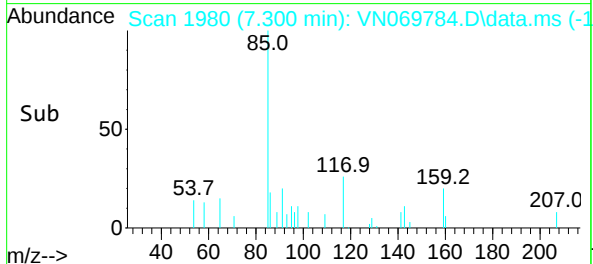
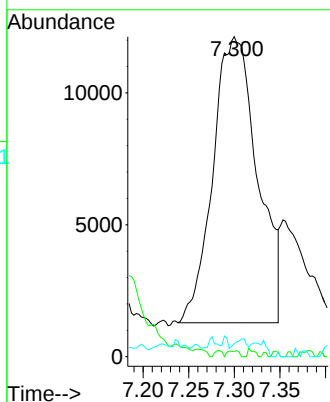
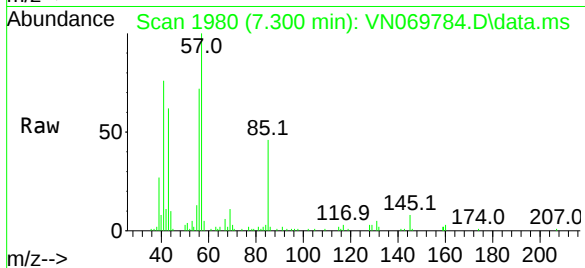




#37  
Ethyl Acetate  
Concen: 0.996 ug/l  
RT: 7.300 min Scan# 11  
Delta R.T. -0.115 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

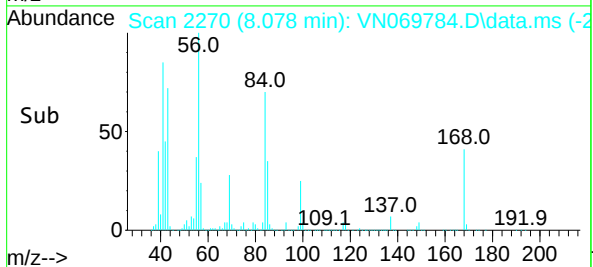
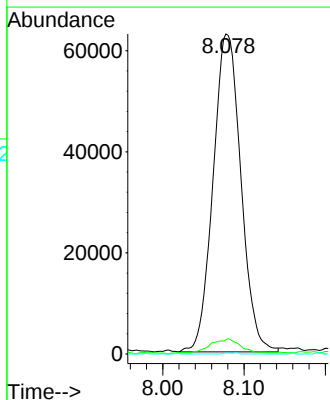
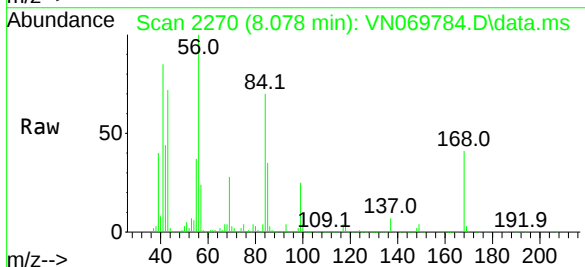
Instrument :  
MSVOA\_N  
ClientSampleId :  
DRUM1-2

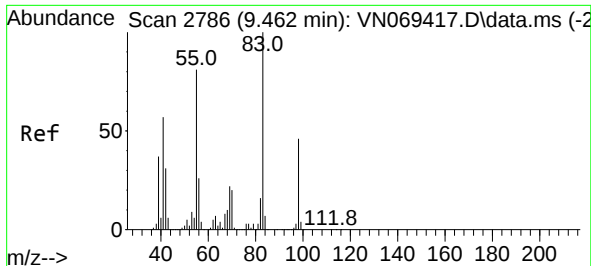
Tgt Ion: 43 Resp: 36908  
Ion Ratio Lower Upper  
43 100  
61 0.0 11.5 17.3#  
70 0.0 7.9 11.9#



#38  
Carbon Tetrachloride  
Concen: 6.131 ug/l  
RT: 8.078 min Scan# 2270  
Delta R.T. -0.129 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

Tgt Ion: 117 Resp: 149676  
Ion Ratio Lower Upper  
117 100  
119 3.9 76.1 114.1#  
121 0.3 24.2 36.2#

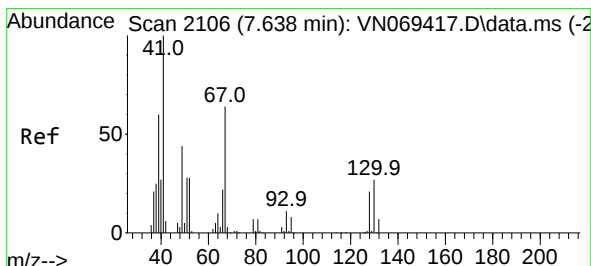
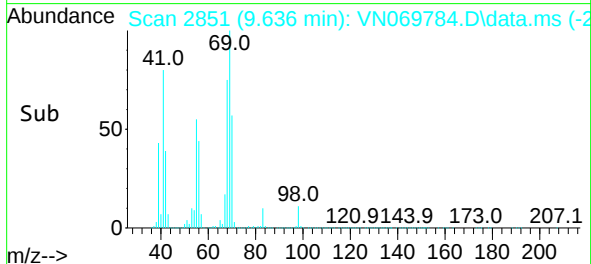
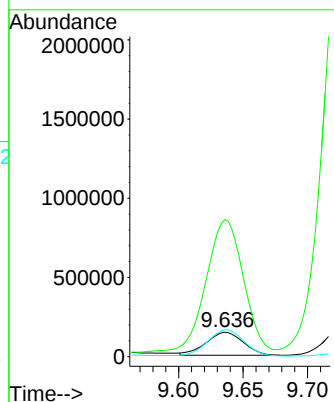
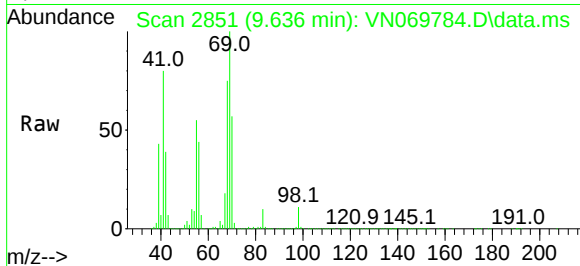




#39  
Methylcyclohexane  
Concen: 9.808 ug/l  
RT: 9.636 min Scan# 2116  
Delta R.T. 0.174 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

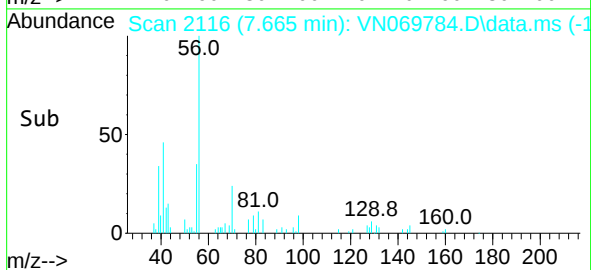
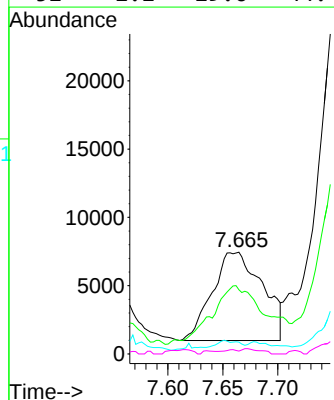
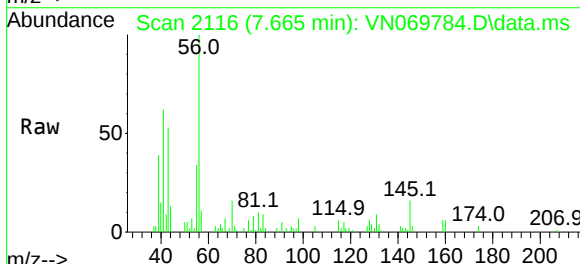
Instrument :  
MSVOA\_N  
ClientSampleId :  
DRUM1-2

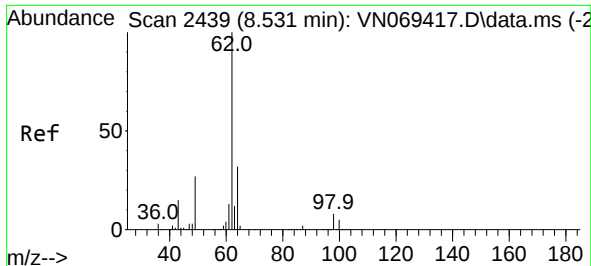
Tgt Ion: 83 Resp: 290429  
Ion Ratio Lower Upper  
83 100  
55 563.0 58.1 87.1#  
98 113.7 38.4 57.6#



#41  
Methacrylonitrile  
Concen: 1.187 ug/l  
RT: 7.665 min Scan# 2116  
Delta R.T. 0.025 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

Tgt Ion: 41 Resp: 20640  
Ion Ratio Lower Upper  
41 100  
39 62.6 48.1 72.1  
67 1.3 68.3 102.5#  
52 2.2 29.6 44.4#





#42

1,2-Dichloroethane

Concen: 0.738 ug/l

RT: 8.558 min Scan# 2449

Delta R.T. 0.027 min

Lab File: VN069784.D

Acq: 6 Dec 2021 15:27

Instrument :

MSVOA\_N

ClientSampleId :

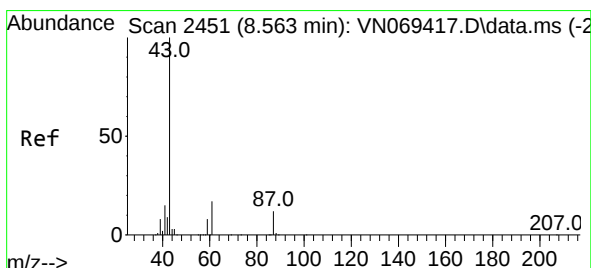
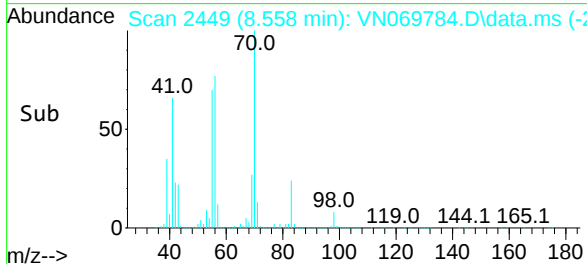
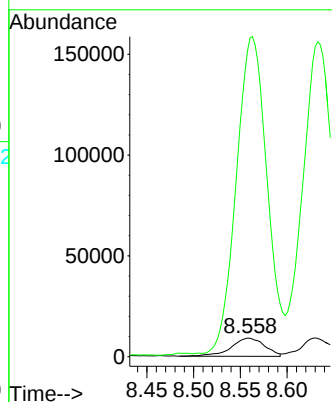
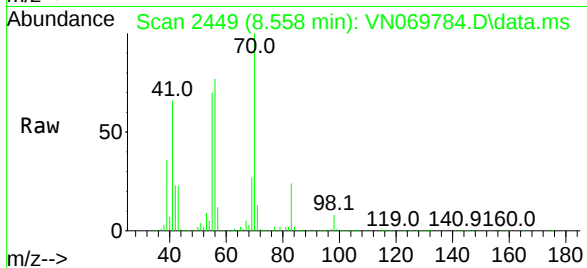
DRUM1-2

Tgt Ion: 62 Resp: 22683

Ion Ratio Lower Upper

62 100

98 1573.7 0.0 17.6#



#43

Isopropyl Acetate

Concen: 23.065 ug/l

RT: 8.547 min Scan# 2445

Delta R.T. -0.016 min

Lab File: VN069784.D

Acq: 6 Dec 2021 15:27

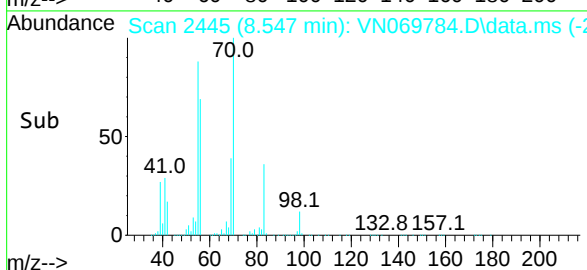
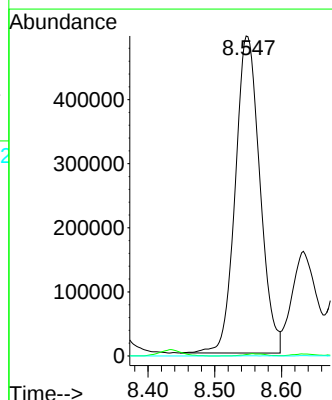
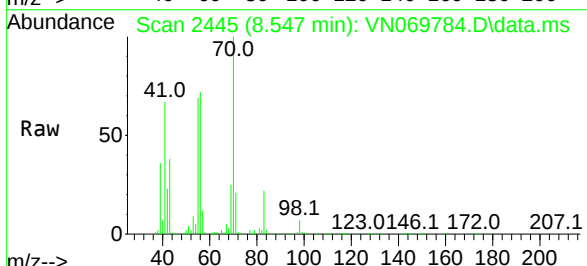
Tgt Ion: 43 Resp: 1264671

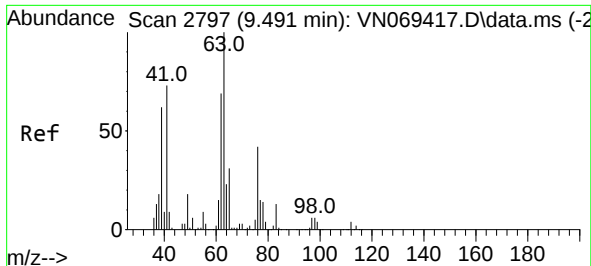
Ion Ratio Lower Upper

43 100

61 0.6 20.4 30.6#

87 0.0 11.2 16.8#

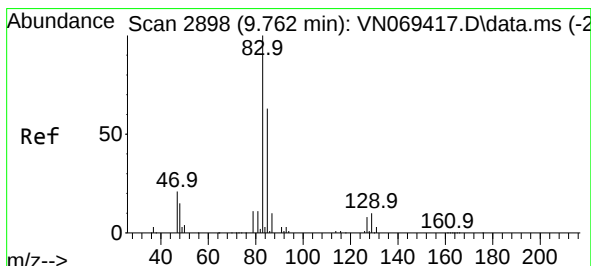
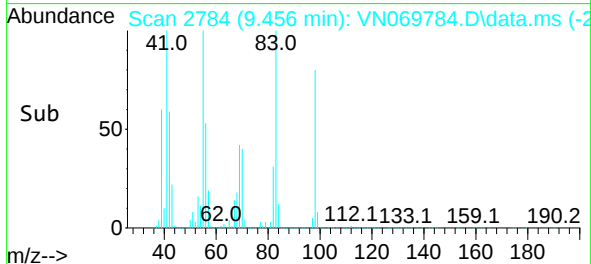
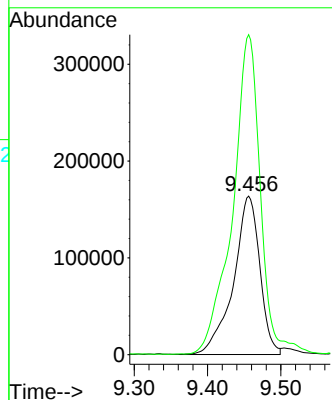
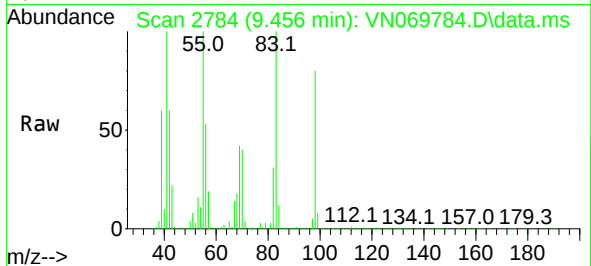




#45  
1,2-Dichloropropane  
Concen: 20.023 ug/l  
RT: 9.456 min Scan# 21  
Delta R.T. -0.035 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

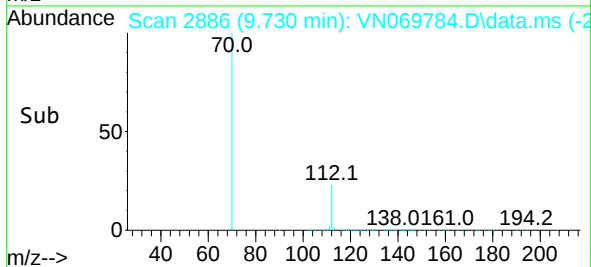
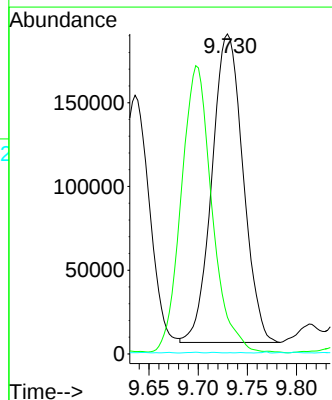
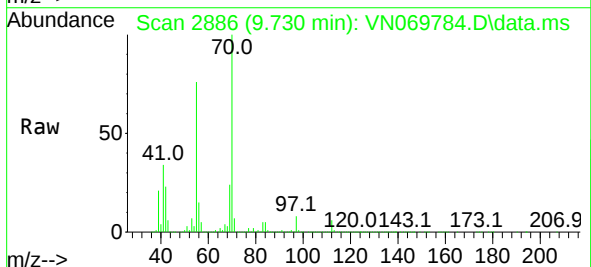
Instrument :  
MSVOA\_N  
ClientSampleId :  
DRUM1-2

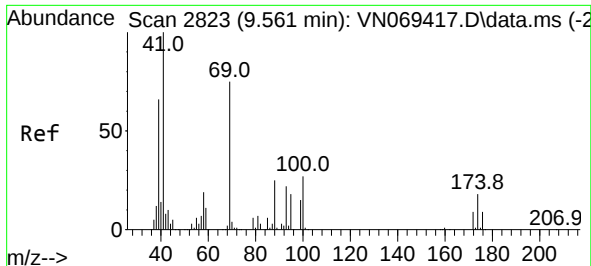
Tgt Ion: 63 Resp: 409127  
Ion Ratio Lower Upper  
63 100  
65 201.7 24.7 37.1#



#47  
Bromodichloromethane  
Concen: 15.989 ug/l  
RT: 9.730 min Scan# 2886  
Delta R.T. -0.032 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

Tgt Ion: 83 Resp: 405692  
Ion Ratio Lower Upper  
83 100  
85 11.3 50.9 76.3#  
127 0.1 7.1 10.7#

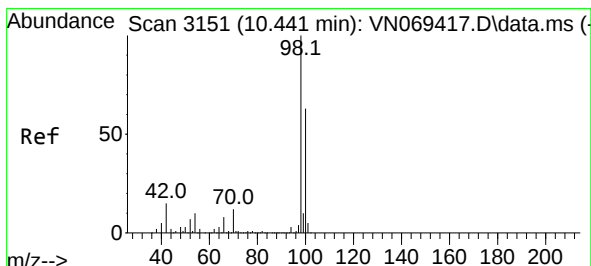
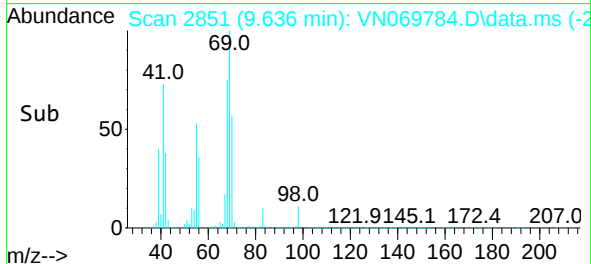
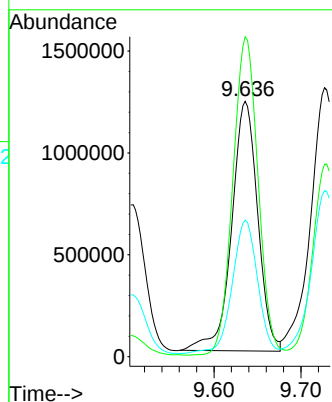
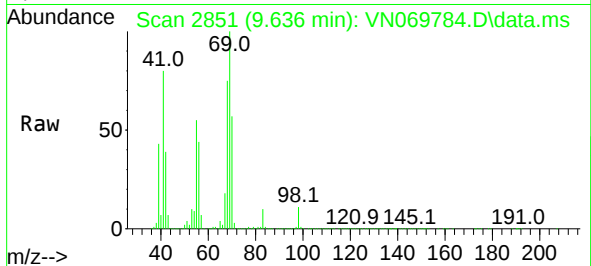




#48  
Methyl methacrylate  
Concen: 99.675 ug/l  
RT: 9.636 min Scan# 21  
Delta R.T. 0.075 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

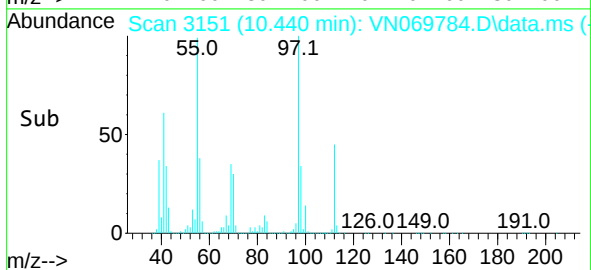
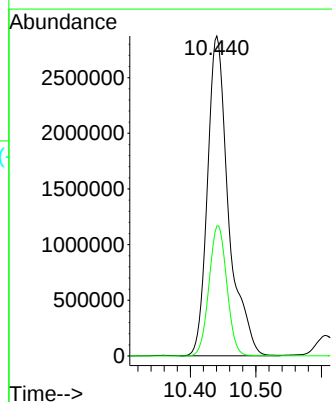
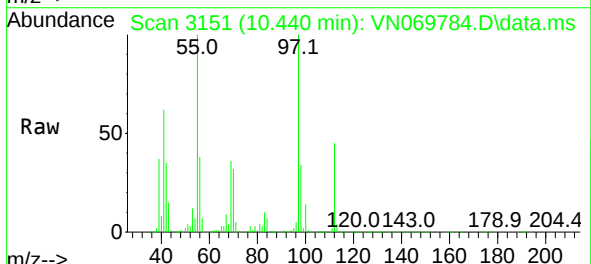
Instrument :  
MSVOA\_N  
ClientSampleId :  
DRUM1-2

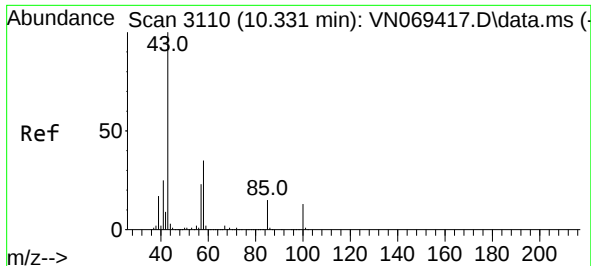
Tgt Ion: 41 Resp: 2550482  
Ion Ratio Lower Upper  
41 100  
69 123.0 72.4 108.6#  
39 51.8 58.4 87.6#



#50  
Toluene-d8  
Concen: 97.473 ug/l  
RT: 10.440 min Scan# 3151  
Delta R.T. -0.003 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

Tgt Ion: 98 Resp: 6410835  
Ion Ratio Lower Upper  
98 100  
100 34.6 50.4 75.6#

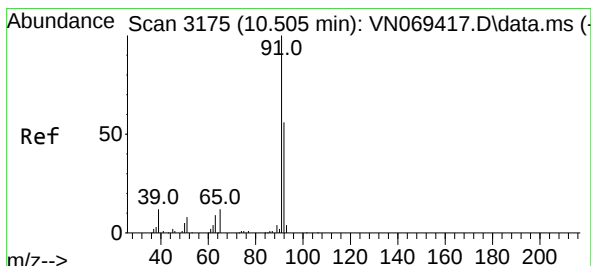
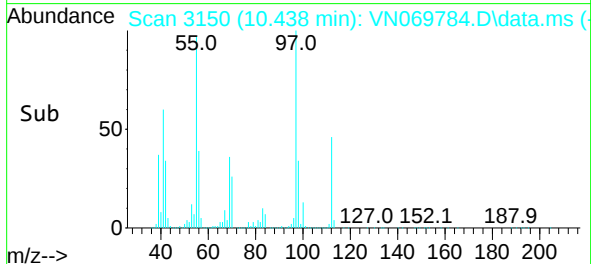
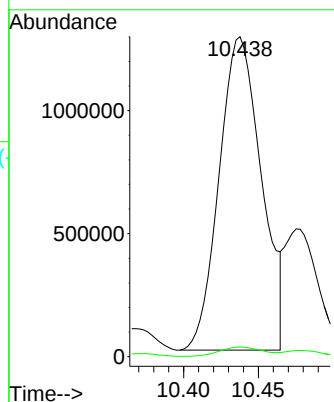
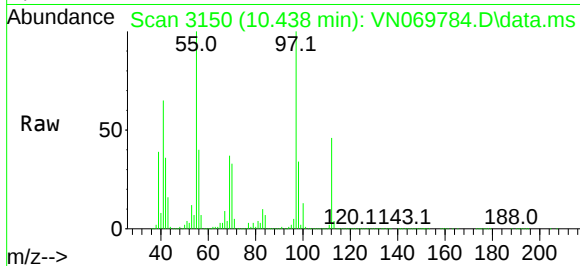




#51  
4-Methyl-2-Pentanone  
Concen: 70.647 ug/l  
RT: 10.438 min Scan# 3110  
Delta R.T. 0.105 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

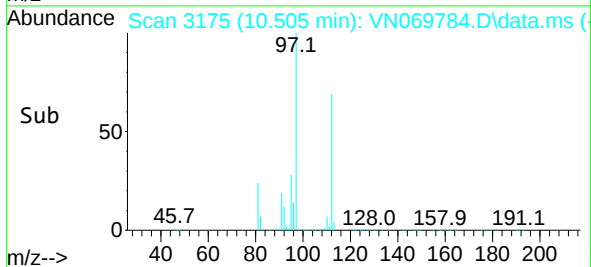
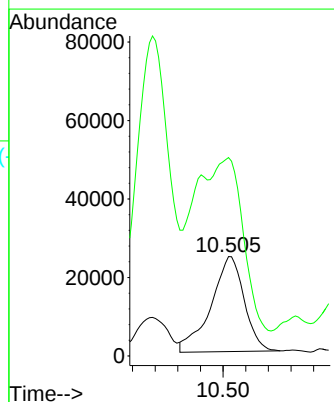
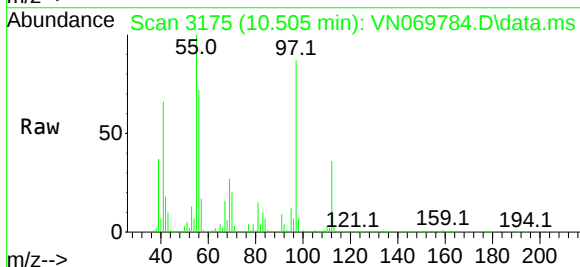
Instrument :  
MSVOA\_N  
ClientSampleId :  
DRUM1-2

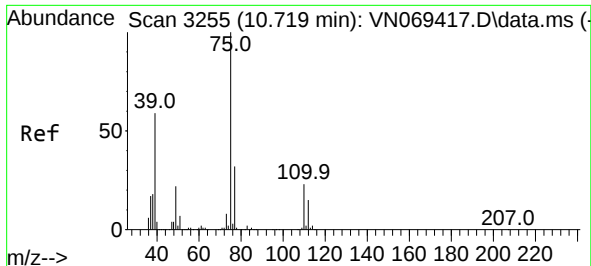
Tgt Ion: 43 Resp: 2512911  
Ion Ratio Lower Upper  
43 100  
58 3.0 30.4 45.6#



#52  
Toluene  
Concen: 1.063 ug/l  
RT: 10.505 min Scan# 3175  
Delta R.T. -0.003 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

Tgt Ion: 92 Resp: 49362  
Ion Ratio Lower Upper  
92 100  
91 0.0 142.0 213.0#

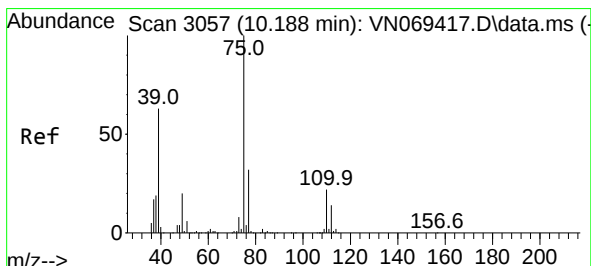
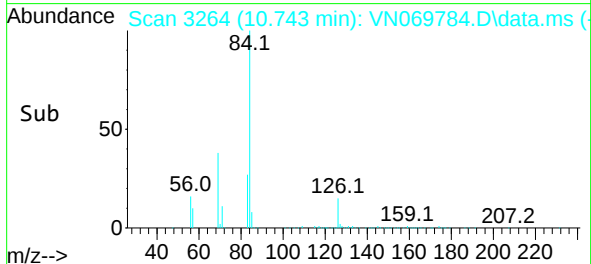
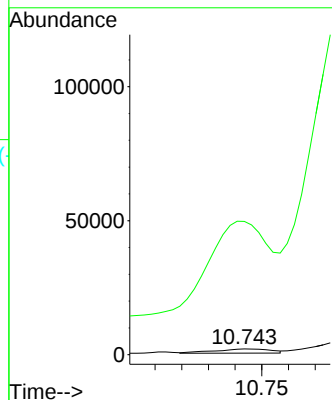
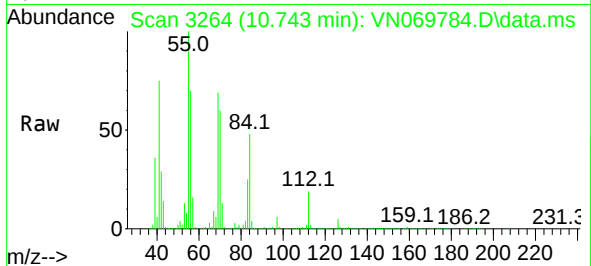




#53  
t-1,3-Dichloropropene  
Concen: 2.866 ug/l  
RT: 10.743 min Scan# 31  
Delta R.T. 0.024 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

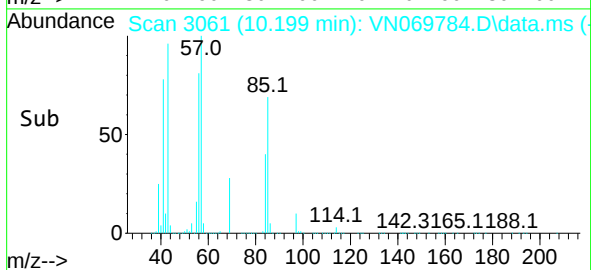
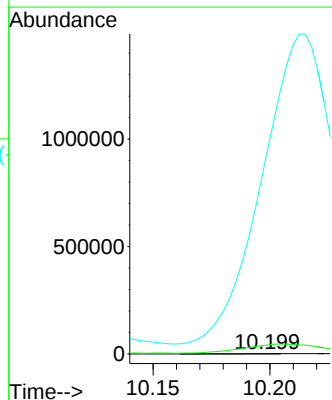
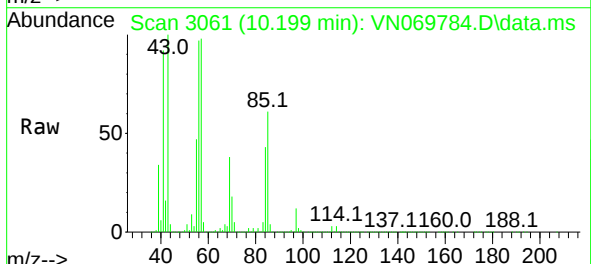
Instrument :  
MSVOA\_N  
ClientSampleId :  
DRUM1-2

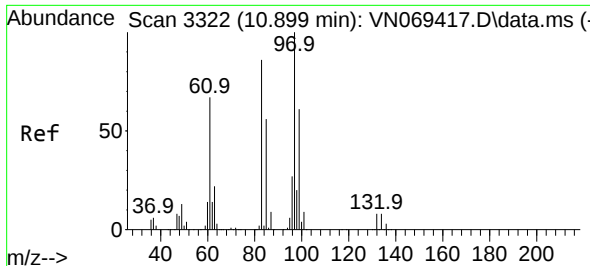
Tgt Ion: 75 Resp: 2307  
Ion Ratio Lower Upper  
75 100  
77 2202.8 25.6 38.4#



#54  
cis-1,3-Dichloropropene  
Concen: 2.057 ug/l  
RT: 10.199 min Scan# 3061  
Delta R.T. 0.008 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

Tgt Ion: 75 Resp: 1936  
Ion Ratio Lower Upper  
75 100  
77 2579.8 26.4 39.6#  
39 62003.6 42.5 63.7#

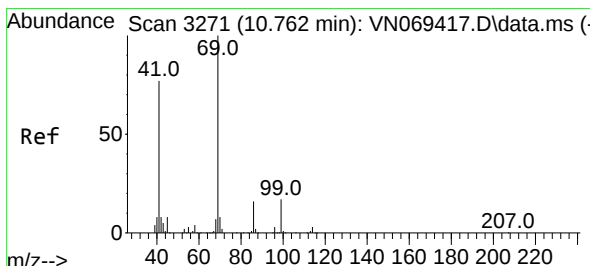
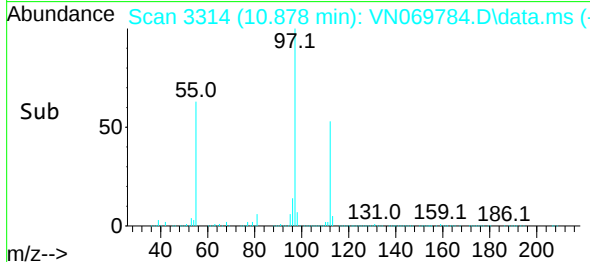
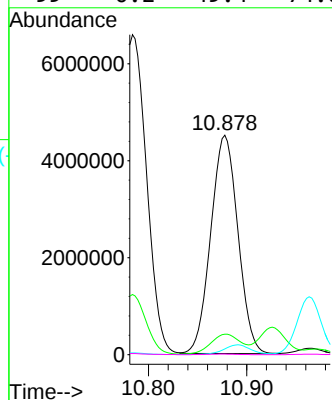
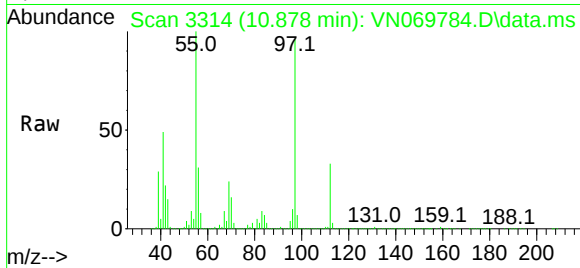




#55  
1,1,2-Trichloroethane  
Concen: 461.564 ug/l  
RT: 10.878 min Scan# 31  
Delta R.T. -0.021 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

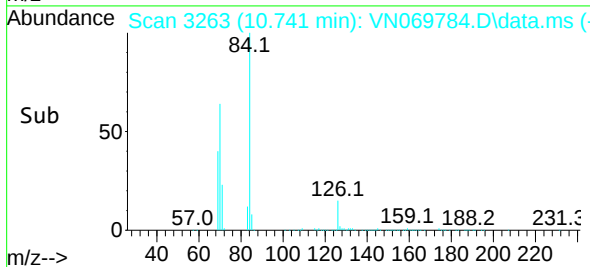
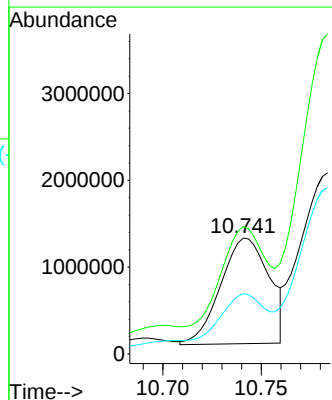
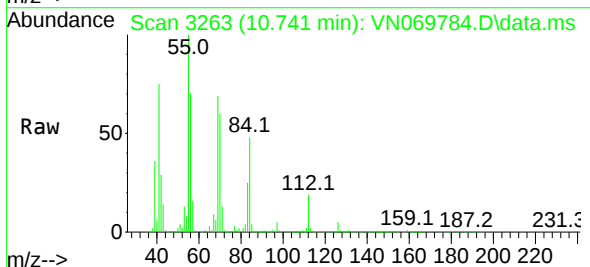
Instrument :  
MSVOA\_N  
ClientSampleId :  
DRUM1-2

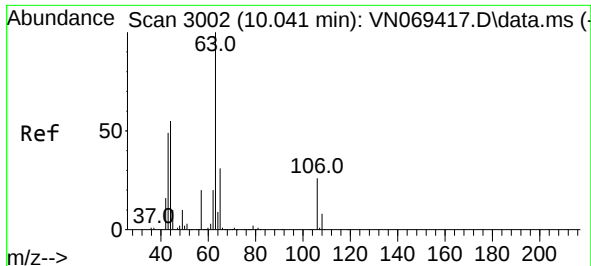
Tgt Ion: 97 Resp: 8651388  
Ion Ratio Lower Upper  
97 100  
83 9.1 67.8 101.6#  
85 2.6 45.4 68.2#  
99 0.2 49.4 74.0#



#56  
Ethyl methacrylate  
Concen: 58.716 ug/l  
RT: 10.741 min Scan# 3263  
Delta R.T. -0.021 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

Tgt Ion: 69 Resp: 2091302  
Ion Ratio Lower Upper  
69 100  
41 106.7 51.4 77.0#  
39 59.7 34.6 52.0#

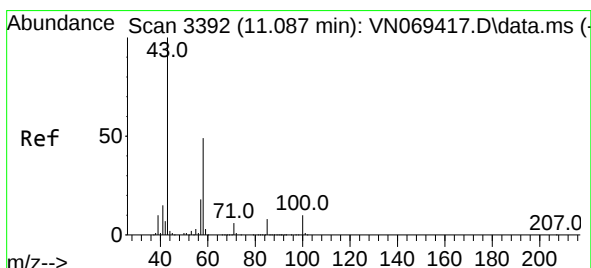
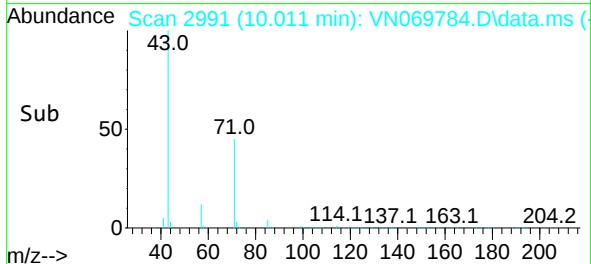
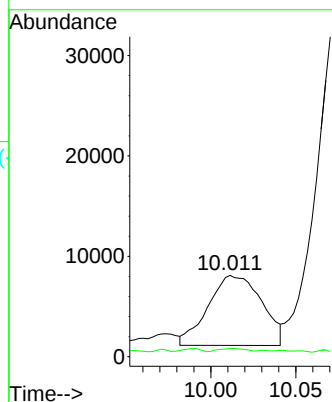
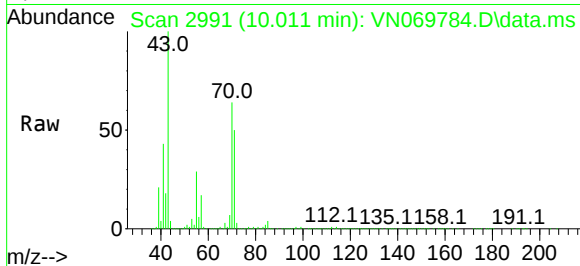




#58  
2-Chloroethyl Vinyl ether  
Concen: 19.872 ug/l  
RT: 10.011 min Scan# 2991  
Delta R.T. -0.032 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

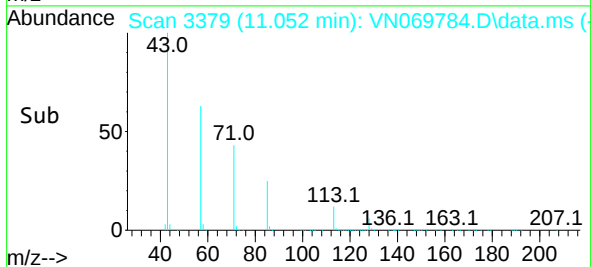
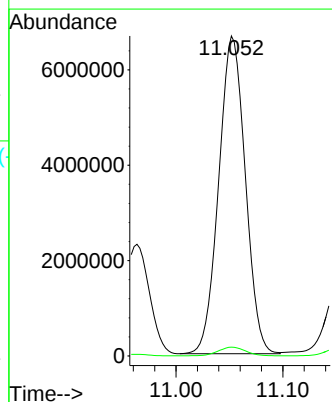
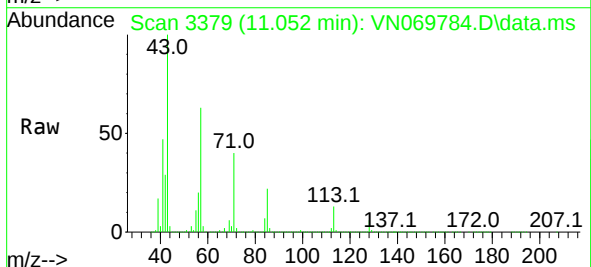
Instrument :  
MSVOA\_N  
ClientSampleId :  
DRUM1-2

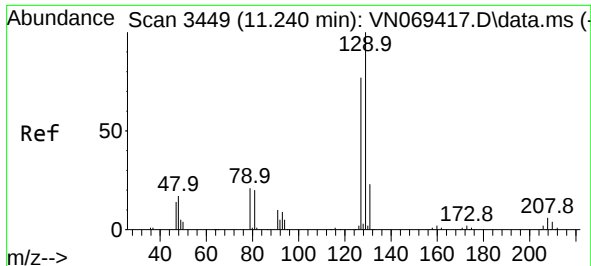
Tgt Ion: 63 Resp: 15290  
Ion Ratio Lower Upper  
63 100  
106 2.4 23.9 35.9#



#59  
2-Hexanone  
Concen: 428.367 ug/l  
RT: 11.052 min Scan# 3379  
Delta R.T. -0.035 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

Tgt Ion: 43 Resp:11526283  
Ion Ratio Lower Upper  
43 100  
58 2.9 26.9 80.7#

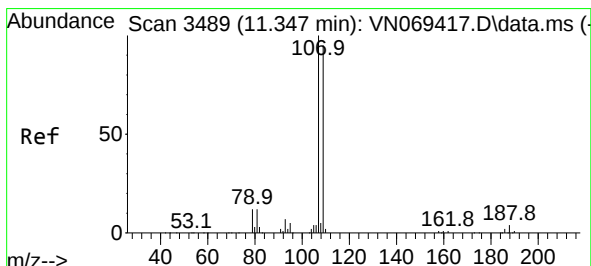
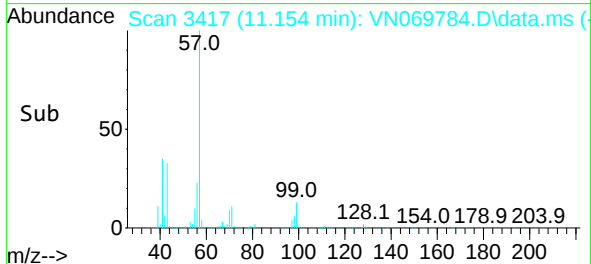
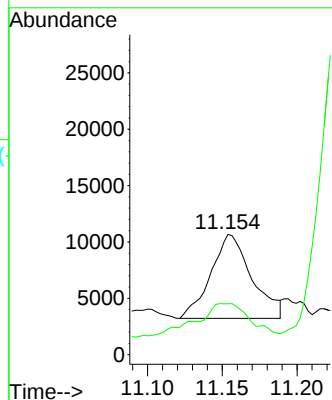
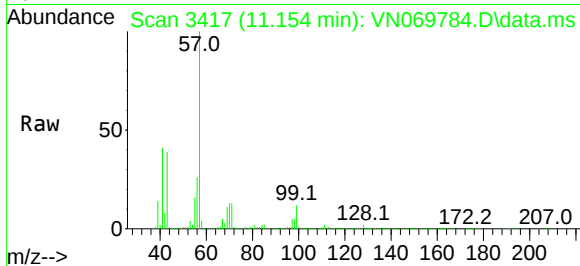




#60  
Dibromochloromethane  
Concen: 3.050 ug/l  
RT: 11.154 min Scan# 3449  
Delta R.T. -0.086 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

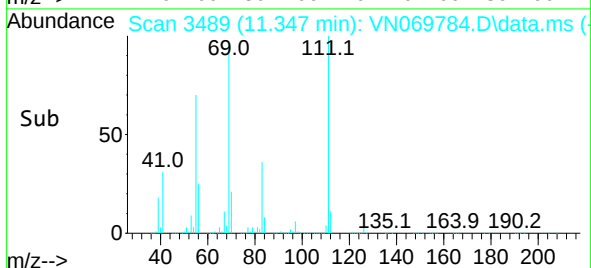
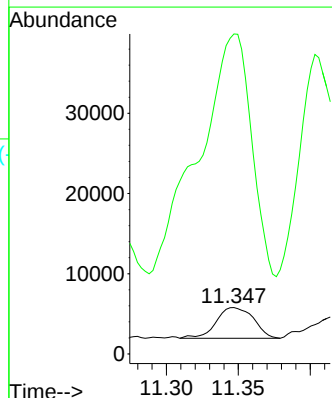
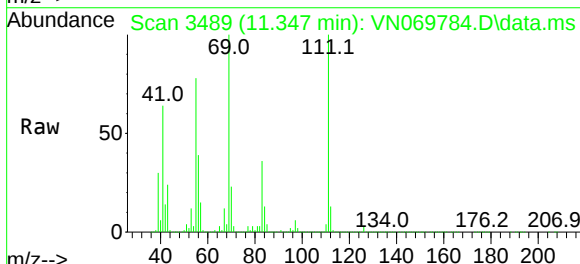
Instrument :  
MSVOA\_N  
ClientSampleId :  
DRUM1-2

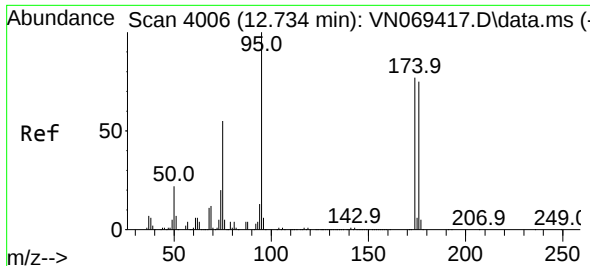
Tgt Ion:129 Resp: 14210  
Ion Ratio Lower Upper  
129 100  
127 54.0 38.6 116.0



#61  
1,2-Dibromoethane  
Concen: 0.355 ug/l  
RT: 11.347 min Scan# 3489  
Delta R.T. -0.000 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

Tgt Ion:107 Resp: 6886  
Ion Ratio Lower Upper  
107 100  
109 1114.6 75.7 113.5#

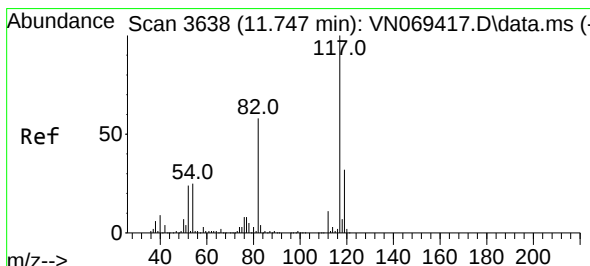
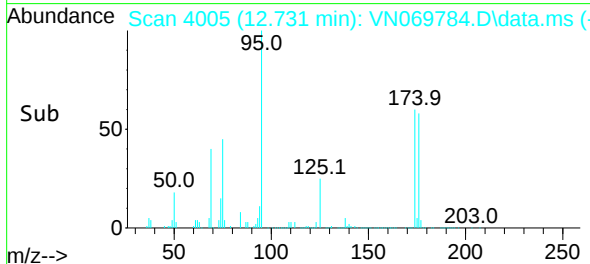
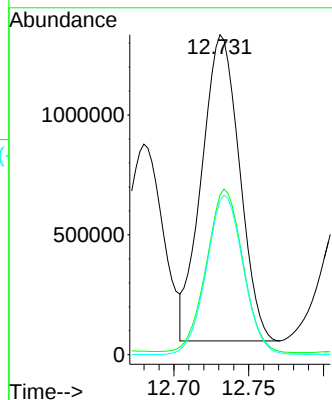
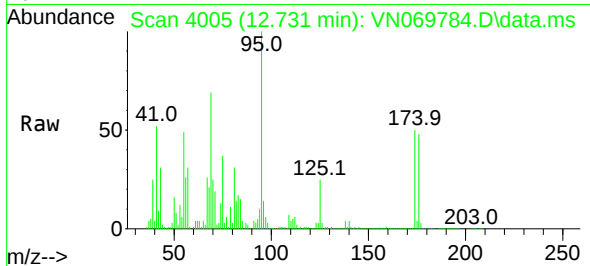




#62  
4-Bromofluorobenzene  
Concen: 94.351 ug/l  
RT: 12.731 min Scan# 4006  
Delta R.T. -0.000 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

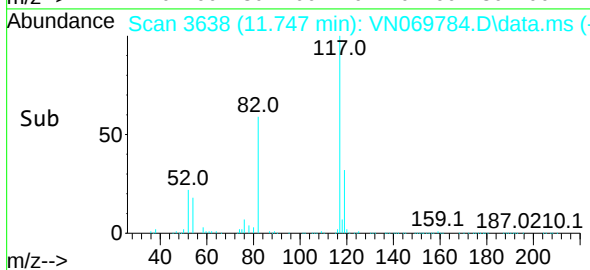
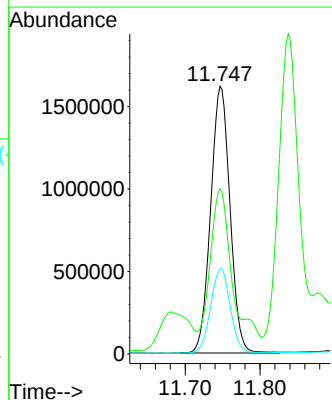
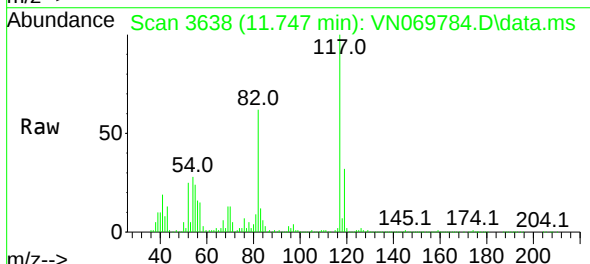
Instrument :  
MSVOA\_N  
ClientSampleId :  
DRUM1-2

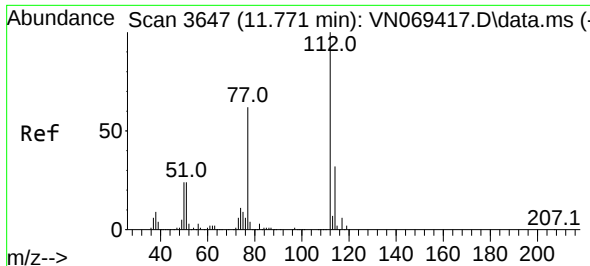
Tgt Ion: 95 Resp: 2248128  
Ion Ratio Lower Upper  
95 100  
174 51.7 0.0 187.2  
176 50.7 0.0 181.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.747 min Scan# 3638  
Delta R.T. 0.001 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

Tgt Ion: 117 Resp: 2904933  
Ion Ratio Lower Upper  
117 100  
82 47.4 42.4 63.6  
119 31.5 25.4 38.2

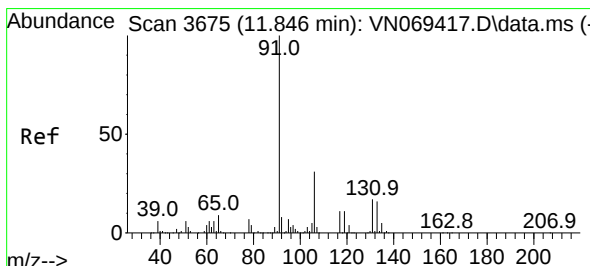
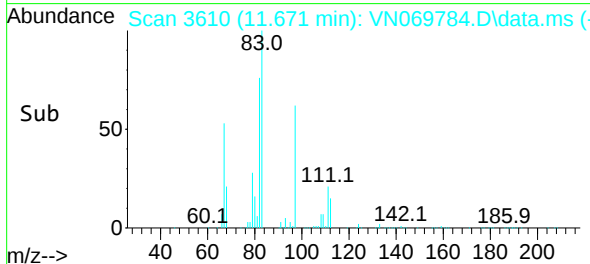
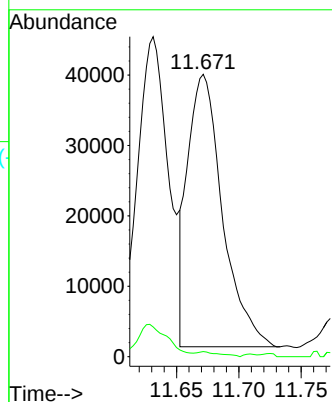
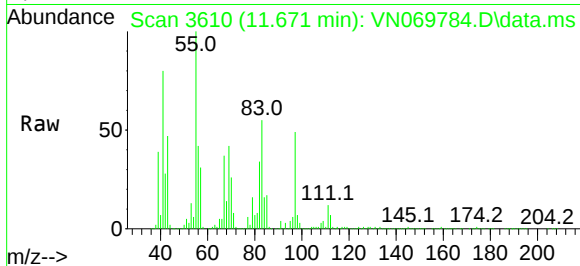




#65  
Chlorobenzene  
Concen: 1.274 ug/l  
RT: 11.671 min Scan# 3610  
Delta R.T. -0.100 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

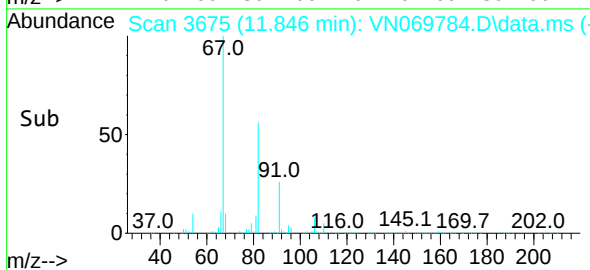
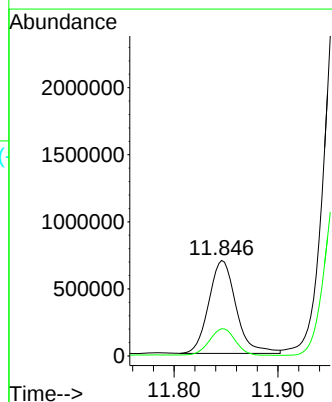
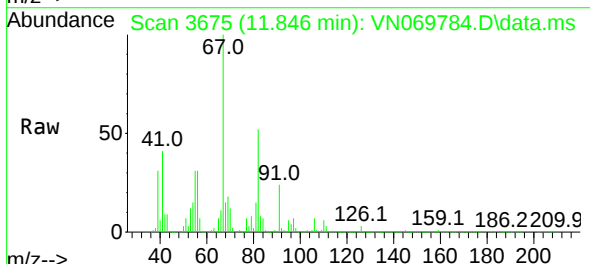
Instrument :  
MSVOA\_N  
ClientSampleId :  
DRUM1-2

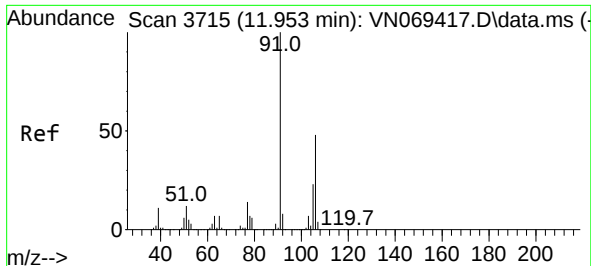
Tgt Ion:112 Resp: 75095  
Ion Ratio Lower Upper  
112 100  
114 1.9 25.4 38.0#



#67  
Ethyl Benzene  
Concen: 11.838 ug/l  
RT: 11.846 min Scan# 3675  
Delta R.T. 0.000 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

Tgt Ion: 91 Resp: 1267252  
Ion Ratio Lower Upper  
91 100  
106 28.5 25.7 38.5

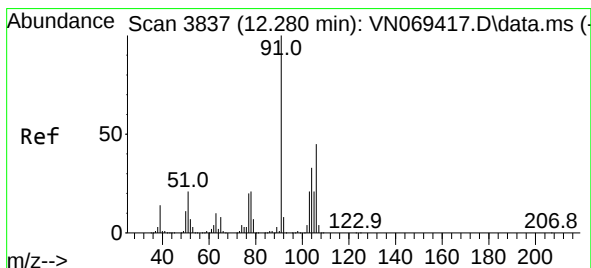
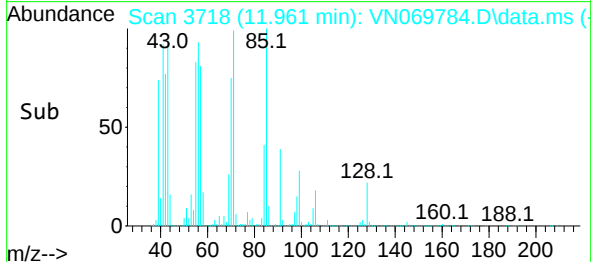
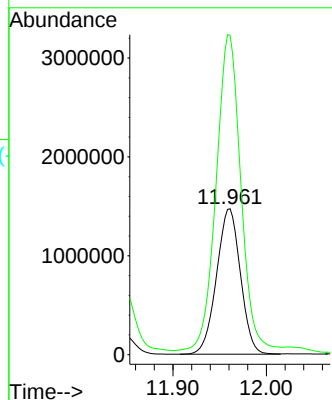
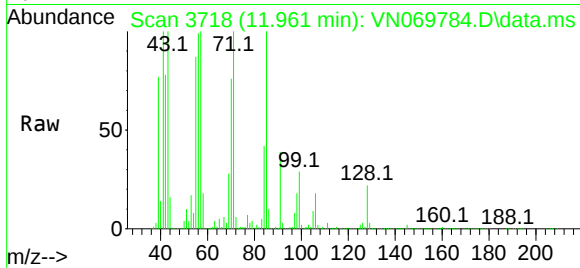




#68  
m/p-Xylenes  
Concen: 67.010 ug/l  
RT: 11.961 min Scan# 31  
Delta R.T. 0.008 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

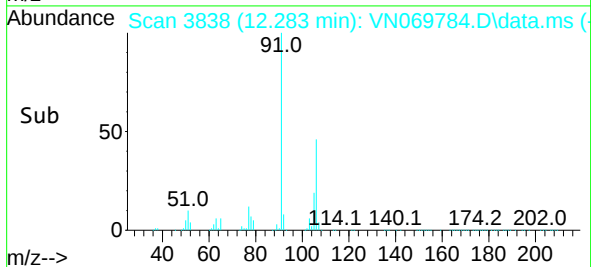
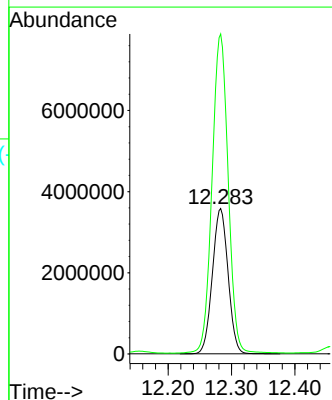
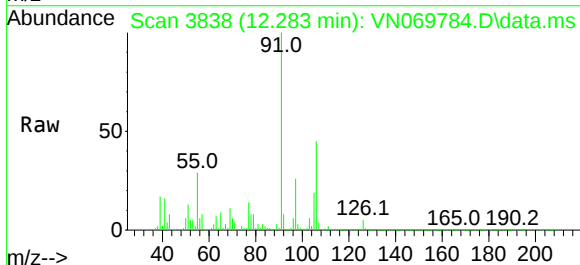
Instrument :  
MSVOA\_N  
ClientSampleId :  
DRUM1-2

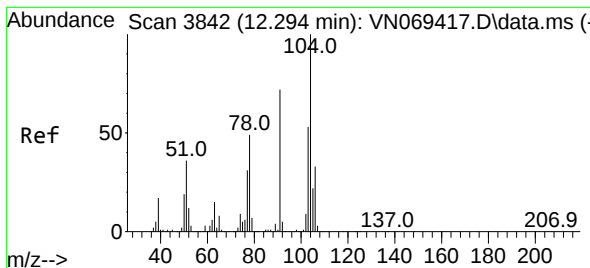
Tgt Ion:106 Resp: 2611879  
Ion Ratio Lower Upper  
106 100  
91 223.0 160.6 240.8



#69  
o-Xylene  
Concen: 156.560 ug/l  
RT: 12.283 min Scan# 3838  
Delta R.T. 0.000 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

Tgt Ion:106 Resp: 6146700  
Ion Ratio Lower Upper  
106 100  
91 225.6 105.8 317.3





#70

Styrene

Concen: 5.406 ug/l

RT: 12.283 min Scan# 3838

Delta R.T. -0.011 min

Lab File: VN069784.D

Acq: 6 Dec 2021 15:27

Instrument :

MSVOA\_N

ClientSampleId :

DRUM1-2

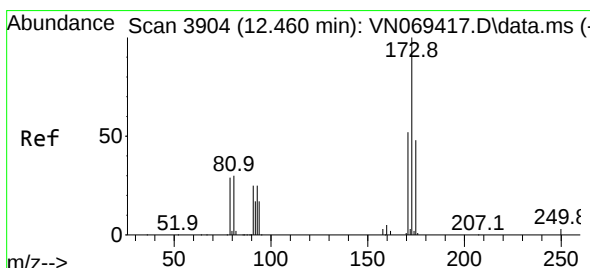
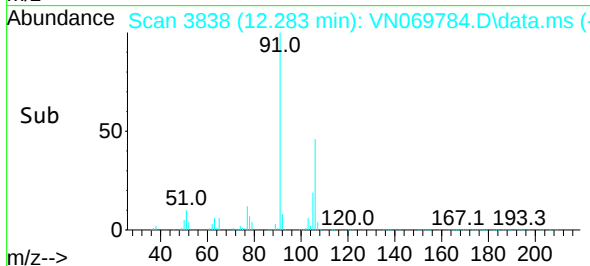
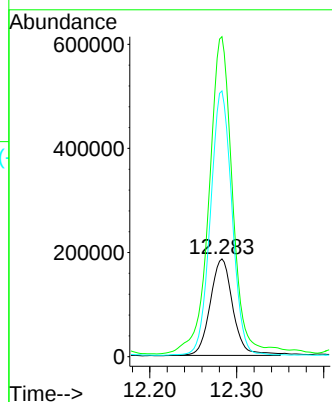
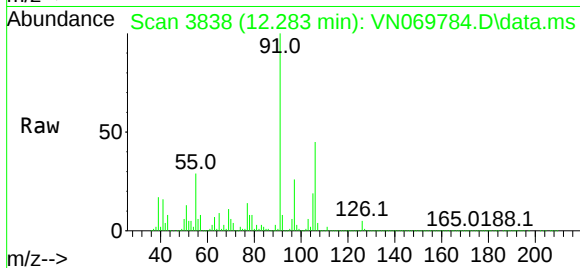
Tgt Ion:104 Resp: 336570

Ion Ratio Lower Upper

104 100

78 335.4 38.7 58.1#

103 260.2 45.0 67.6#



#71

Bromoform

Concen: 2.946 ug/l

RT: 12.449 min Scan# 3900

Delta R.T. -0.011 min

Lab File: VN069784.D

Acq: 6 Dec 2021 15:27

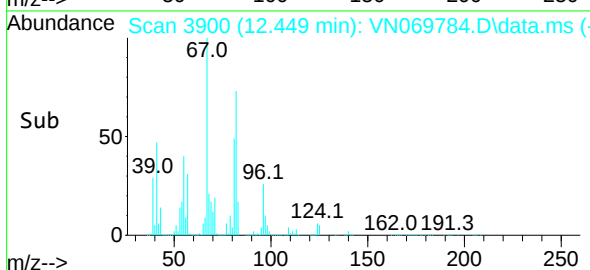
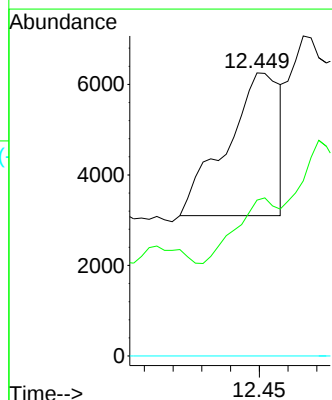
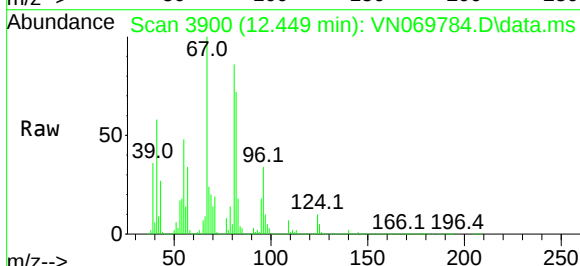
Tgt Ion:173 Resp: 4045

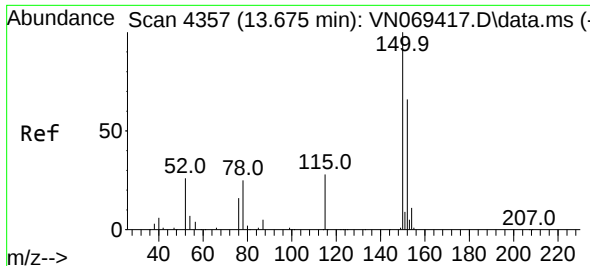
Ion Ratio Lower Upper

173 100

175 0.0 24.2 72.6#

254 0.0 0.0 0.0

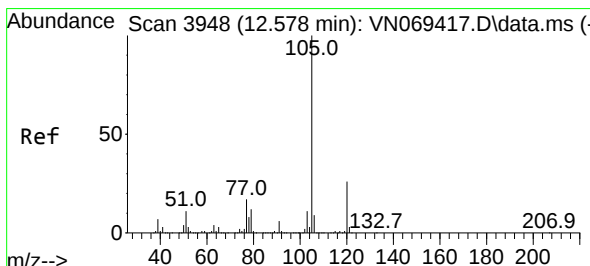
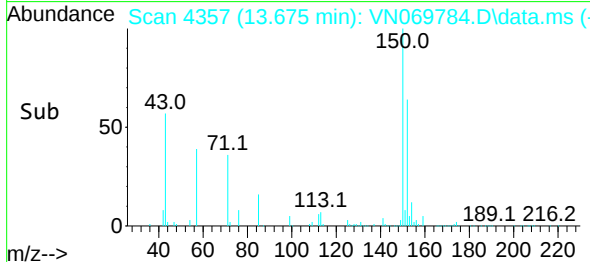
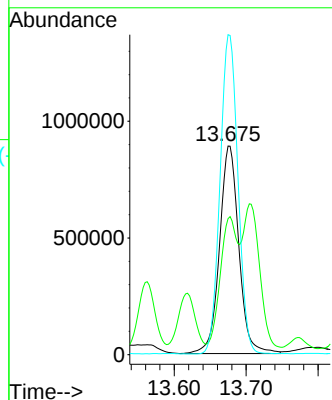
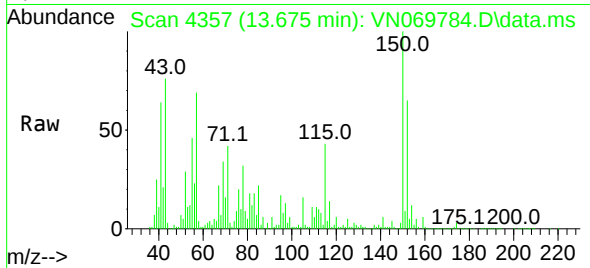




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.675 min Scan# 41  
Delta R.T. -0.003 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

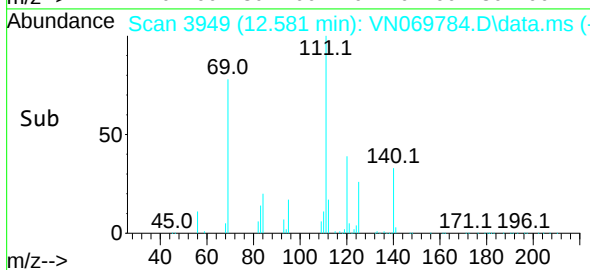
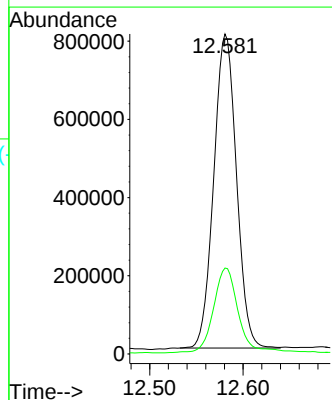
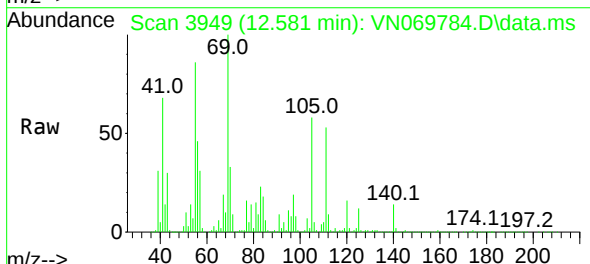
Instrument :  
MSVOA\_N  
ClientSampleId :  
DRUM1-2

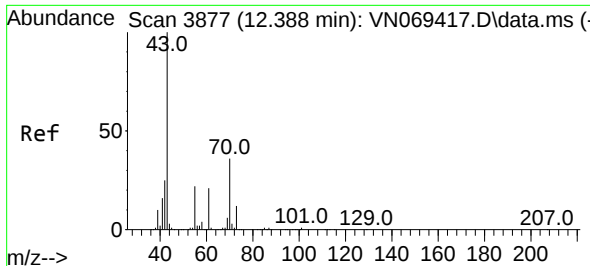
Tgt Ion:152 Resp: 1655415  
Ion Ratio Lower Upper  
152 100  
115 58.5 27.5 82.5  
150 142.1 0.0 344.4



#73  
Isopropylbenzene  
Concen: 9.219 ug/l  
RT: 12.581 min Scan# 3949  
Delta R.T. 0.000 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

Tgt Ion:105 Resp: 1357888  
Ion Ratio Lower Upper  
105 100  
120 30.1 13.4 40.1



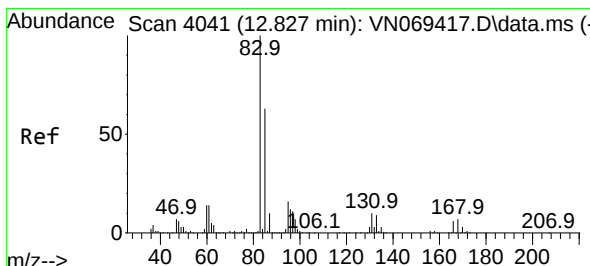
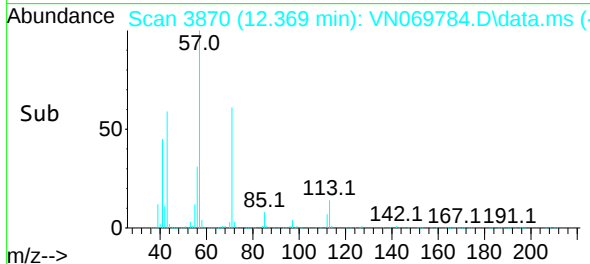
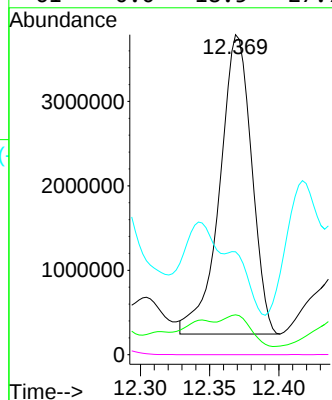
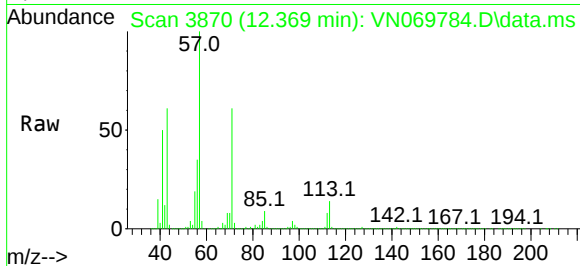


#74  
N-amy1 acetate  
Concen: 87.354 ug/l  
RT: 12.369 min Scan# 31  
Delta R.T. -0.019 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
DRUM1-2

Tgt Ion: 43 Resp: 5689836

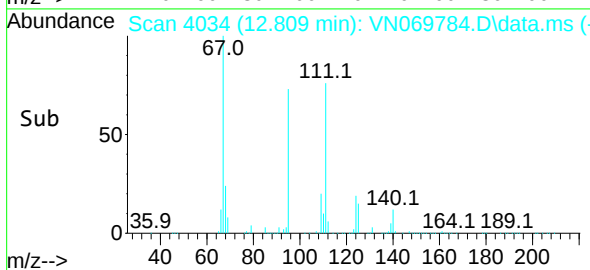
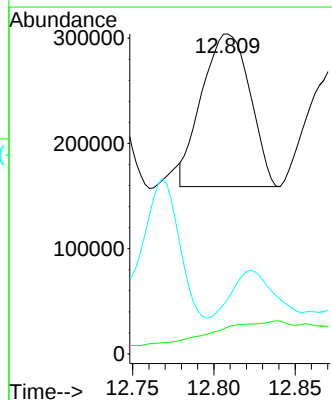
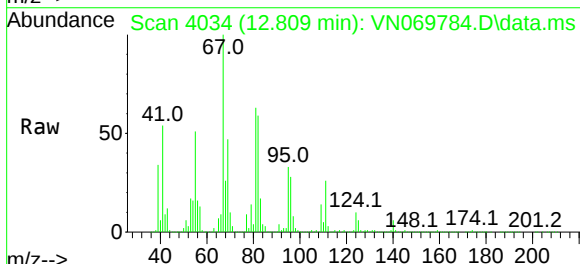
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 70  | 0.0   | 33.4  | 50.0# |
| 55  | 0.0   | 19.3  | 28.9# |
| 61  | 0.0   | 18.5  | 27.7# |

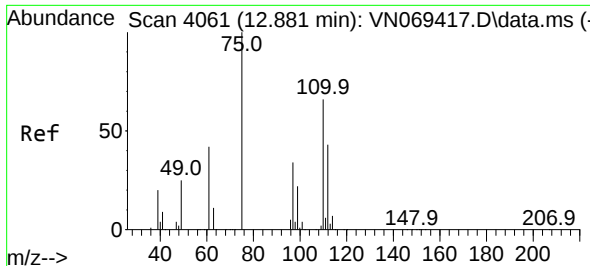


#75  
1,1,2,2-Tetrachloroethane  
Concen: 5.865 ug/l  
RT: 12.809 min Scan# 4034  
Delta R.T. -0.019 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

Tgt Ion: 83 Resp: 298716

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 131 | 0.0   | 5.5   | 16.5# |
| 85  | 0.0   | 32.4  | 97.2# |

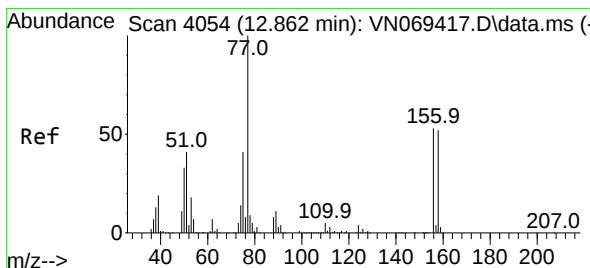
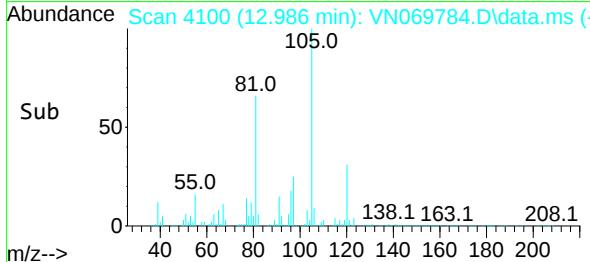
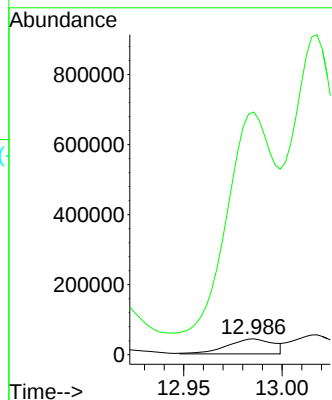
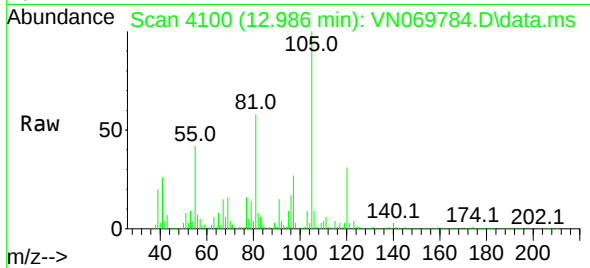




#76  
1,2,3-Trichloropropane  
Concen: 1.489 ug/l  
RT: 12.986 min Scan# 4100  
Delta R.T. 0.105 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

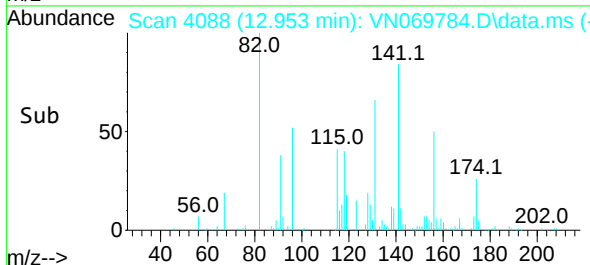
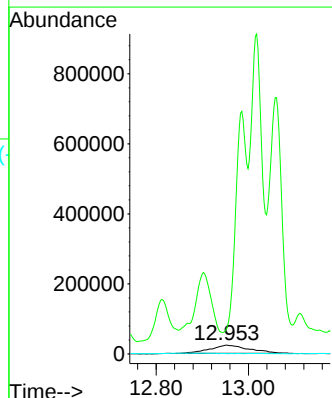
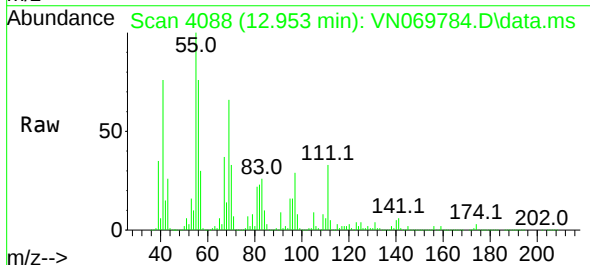
Instrument :  
MSVOA\_N  
ClientSampleId :  
DRUM1-2

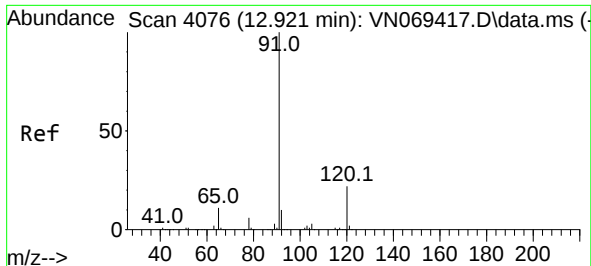
Tgt Ion: 75 Resp: 70678  
Ion Ratio Lower Upper  
75 100  
77 1484.9 82.6 247.8#



#77  
Bromobenzene  
Concen: 4.001 ug/l  
RT: 12.953 min Scan# 4088  
Delta R.T. 0.091 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

Tgt Ion: 156 Resp: 138408  
Ion Ratio Lower Upper  
156 100  
77 0.0 90.6 271.8#  
158 0.2 48.9 146.7#

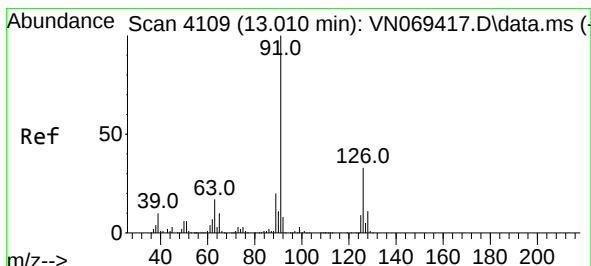
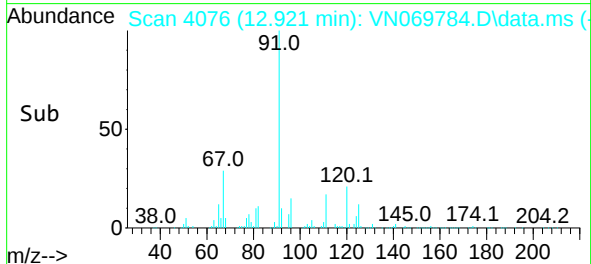
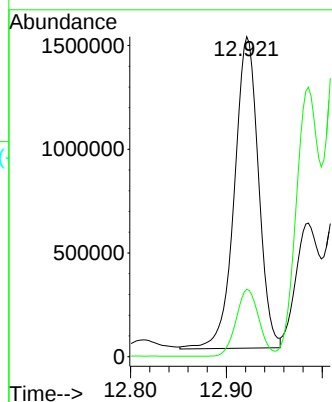
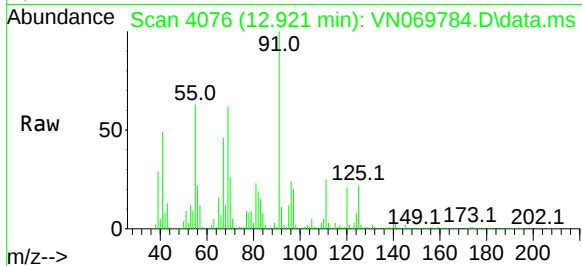




#78  
n-propylbenzene  
Concen: 16.036 ug/l  
RT: 12.921 min Scan# 4076  
Delta R.T. 0.000 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

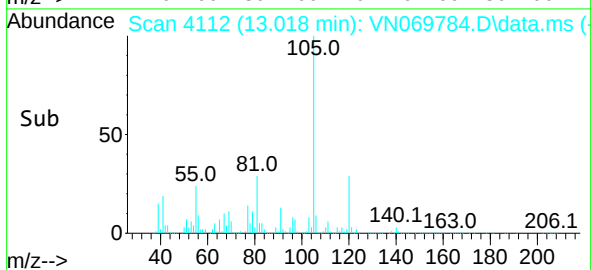
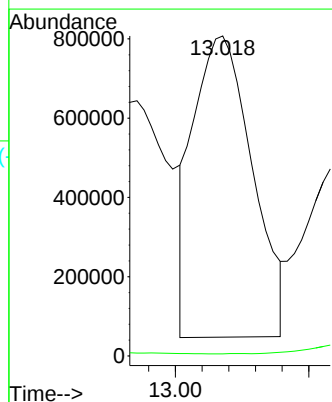
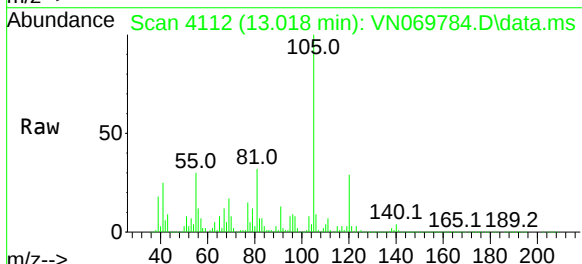
Instrument :  
MSVOA\_N  
ClientSampleId :  
DRUM1-2

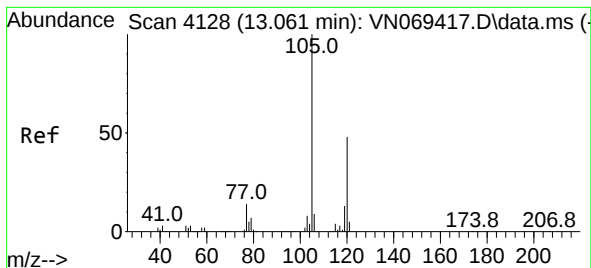
Tgt Ion: 91 Resp: 2628281  
Ion Ratio Lower Upper  
91 100  
120 20.4 11.9 35.9



#79  
2-Chlorotoluene  
Concen: 11.257 ug/l  
RT: 13.018 min Scan# 4112  
Delta R.T. 0.008 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

Tgt Ion: 91 Resp: 1165778  
Ion Ratio Lower Upper  
91 100  
126 0.0 18.3 54.8#





#80

1,3,5-Trimethylbenzene

Concen: 44.698 ug/l

RT: 13.061 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN069784.D

Acq: 6 Dec 2021 15:27

Instrument :

MSVOA\_N

ClientSampleId :

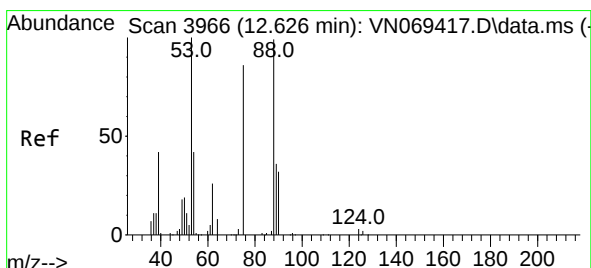
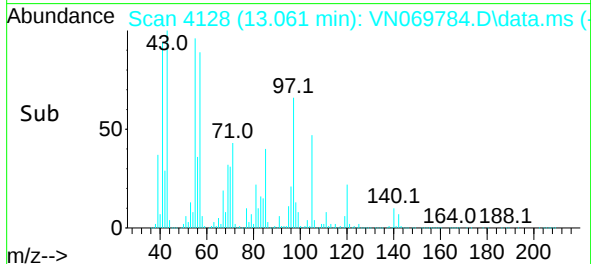
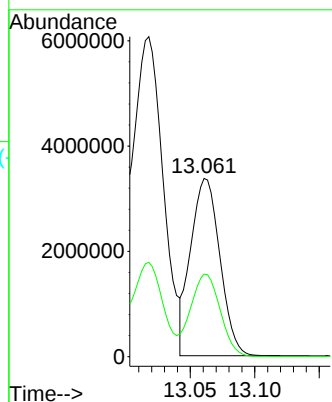
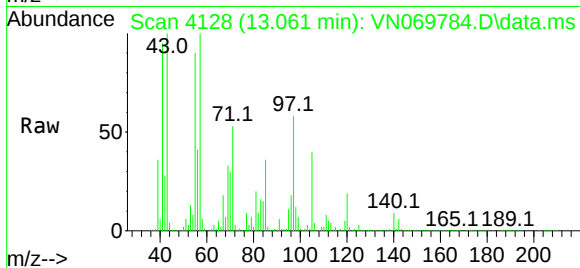
DRUM1-2

Tgt Ion:105 Resp: 5298863

Ion Ratio Lower Upper

105 100

120 47.7 24.6 73.6



#81

trans-1,4-Dichloro-2-butene

Concen: 57.958 ug/l

RT: 12.733 min Scan# 4006

Delta R.T. 0.107 min

Lab File: VN069784.D

Acq: 6 Dec 2021 15:27

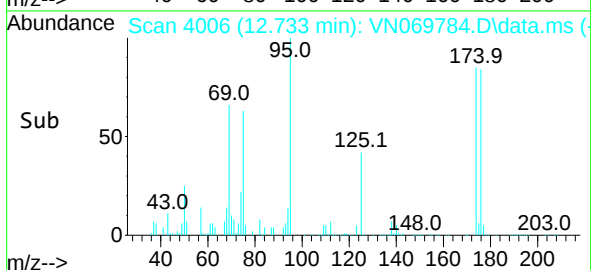
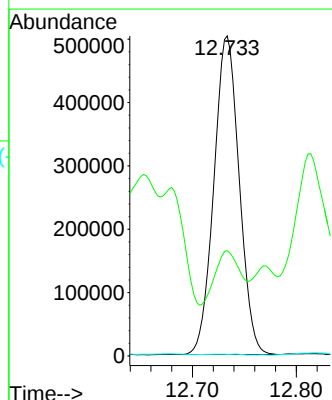
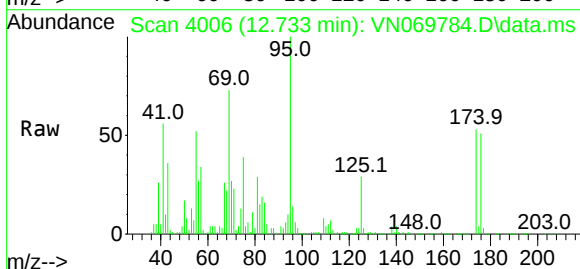
Tgt Ion: 75 Resp: 850899

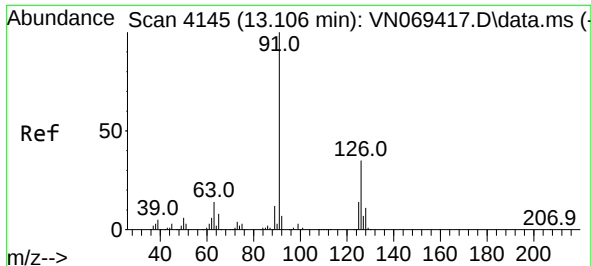
Ion Ratio Lower Upper

75 100

53 16.5 90.5 135.7#

89 0.0 38.2 57.4#

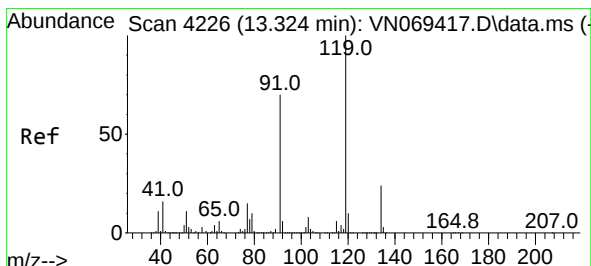
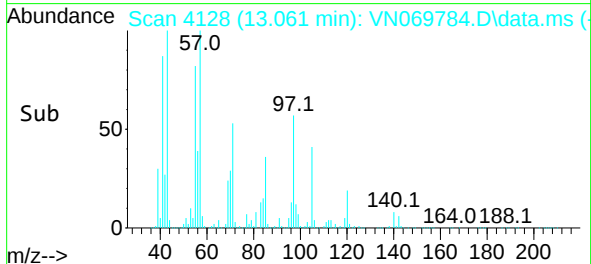
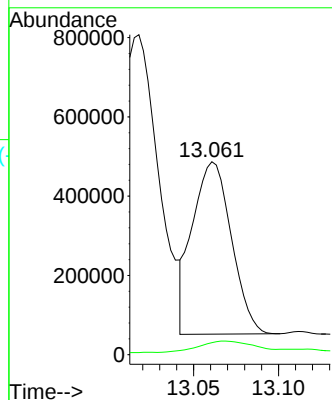
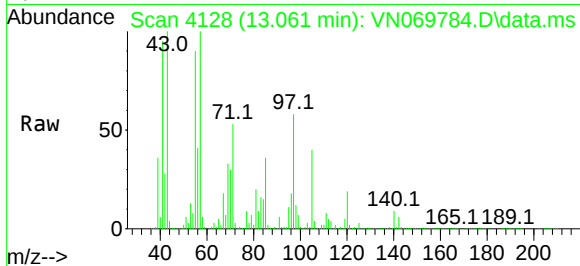




#82  
4-Chlorotoluene  
Concen: 7.090 ug/l  
RT: 13.061 min Scan# 4145  
Delta R.T. -0.045 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

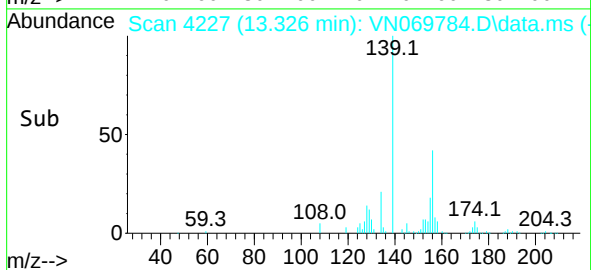
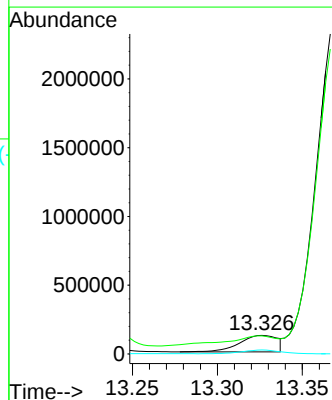
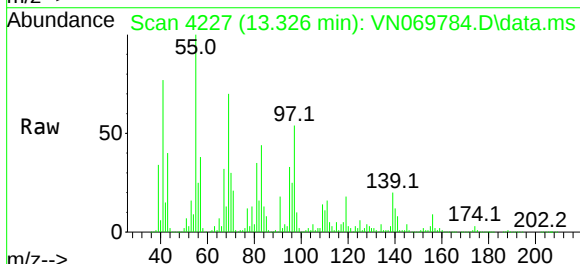
Instrument :  
MSVOA\_N  
ClientSampleId :  
DRUM1-2

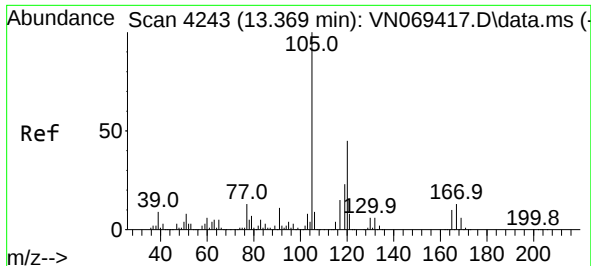
Tgt Ion: 91 Resp: 690541  
Ion Ratio Lower Upper  
91 100  
126 9.2 18.2 54.6#



#83  
tert-Butylbenzene  
Concen: 1.776 ug/l  
RT: 13.326 min Scan# 4227  
Delta R.T. 0.003 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

Tgt Ion: 119 Resp: 186392  
Ion Ratio Lower Upper  
119 100  
91 88.7 31.5 94.5  
134 0.0 12.4 37.4#

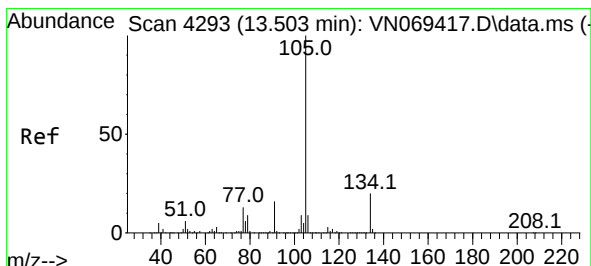
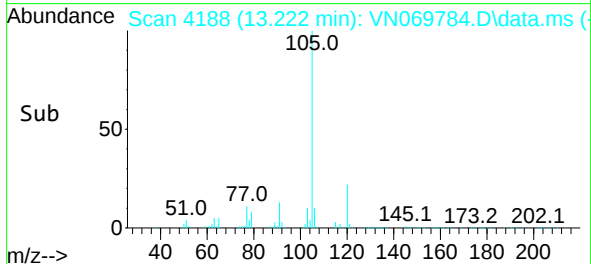
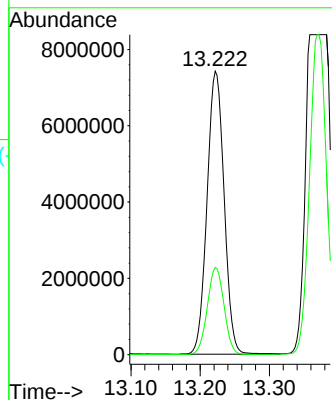
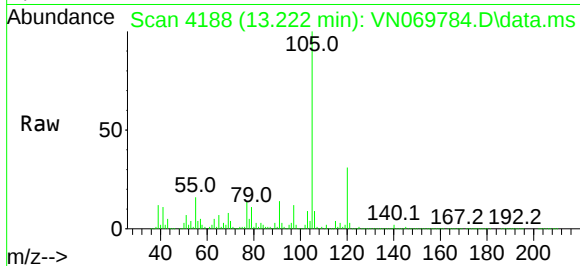




#84  
1,2,4-Trimethylbenzene  
Concen: 112.458 ug/l  
RT: 13.222 min Scan# 4188  
Delta R.T. -0.147 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

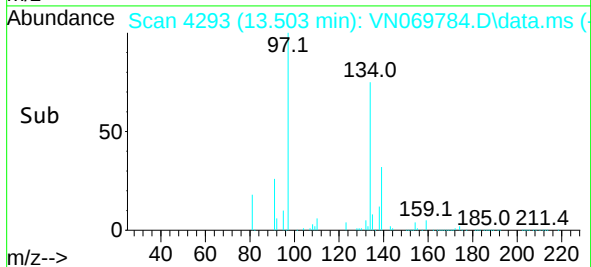
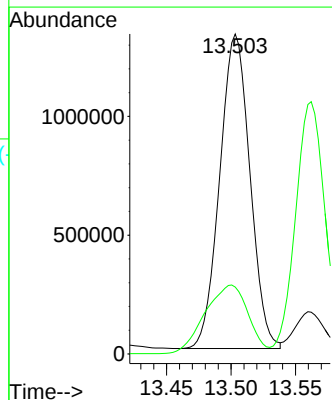
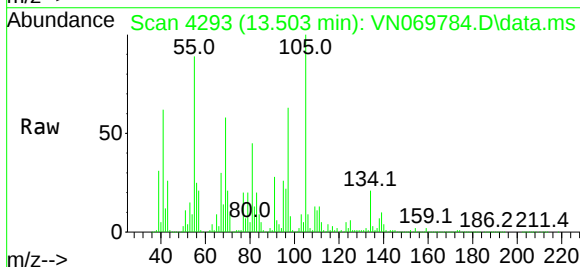
Instrument :  
MSVOA\_N  
ClientSampleId :  
DRUM1-2

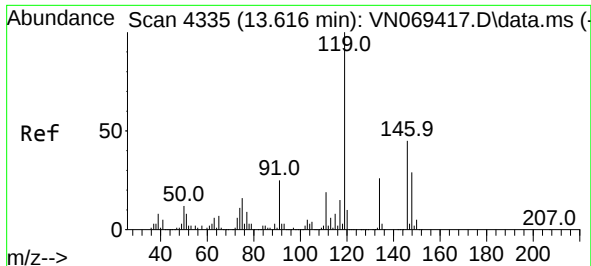
Tgt Ion:105 Resp:12696511  
Ion Ratio Lower Upper  
105 100  
120 30.2 22.8 68.4



#85  
sec-Butylbenzene  
Concen: 15.158 ug/l  
RT: 13.503 min Scan# 4293  
Delta R.T. 0.000 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

Tgt Ion:105 Resp: 2158190  
Ion Ratio Lower Upper  
105 100  
134 31.1 10.4 31.1#

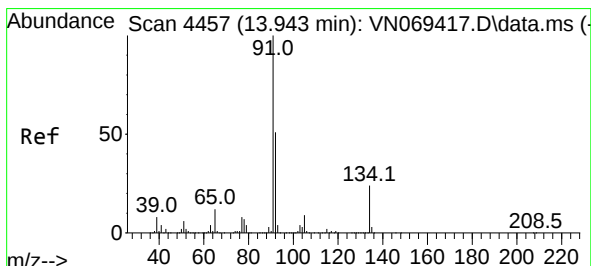
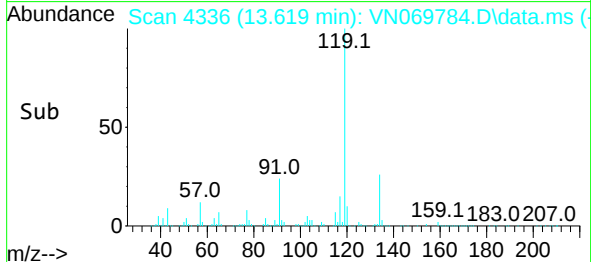
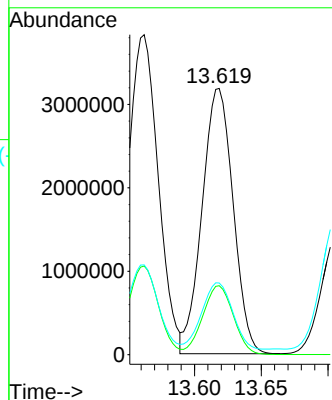
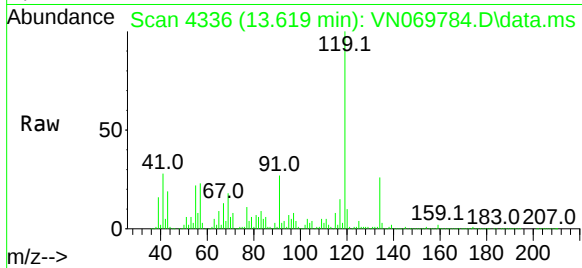




#86  
p-Isopropyltoluene  
Concen: 46.175 ug/l  
RT: 13.619 min Scan# 41  
Delta R.T. 0.003 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

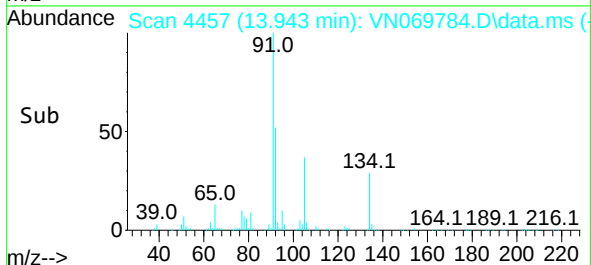
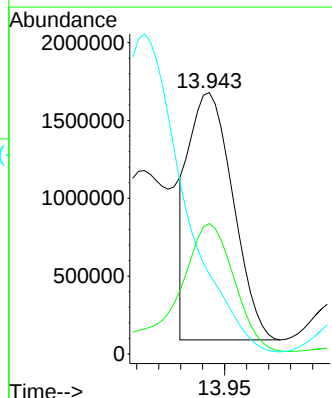
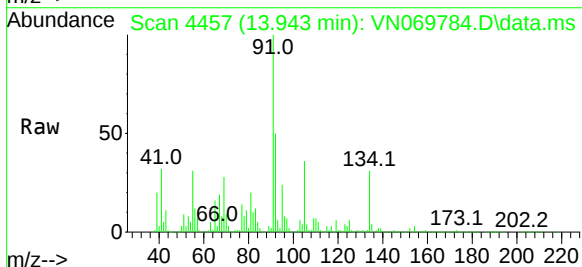
Instrument :  
MSVOA\_N  
ClientSampleId :  
DRUM1-2

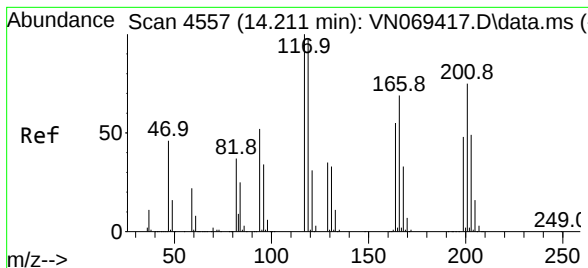
Tgt Ion:119 Resp: 5139054  
Ion Ratio Lower Upper  
119 100  
134 25.5 13.6 40.7  
91 24.6 11.4 34.1



#89  
n-Butylbenzene  
Concen: 24.614 ug/l  
RT: 13.943 min Scan# 4457  
Delta R.T. 0.000 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

Tgt Ion: 91 Resp: 2222196  
Ion Ratio Lower Upper  
91 100  
92 66.6 25.4 76.0  
134 0.0 13.6 40.8#





#90

Hexachloroethane

Concen: 52.204 ug/l

RT: 14.217 min Scan# 41

Delta R.T. 0.005 min

Lab File: VN069784.D

Acq: 6 Dec 2021 15:27

Instrument :

MSVOA\_N

ClientSampleId :

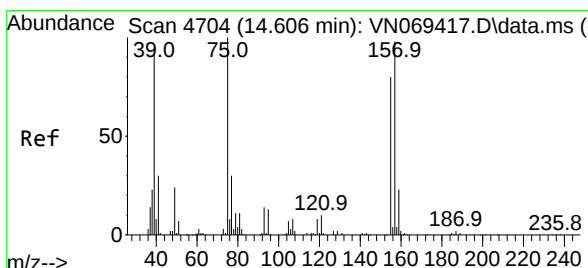
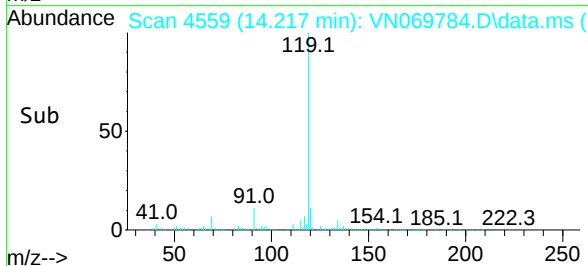
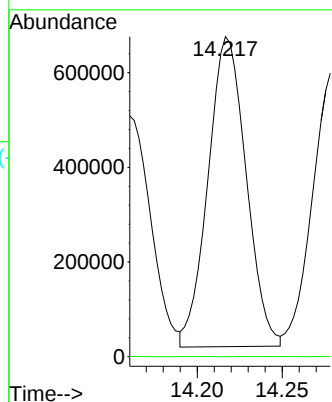
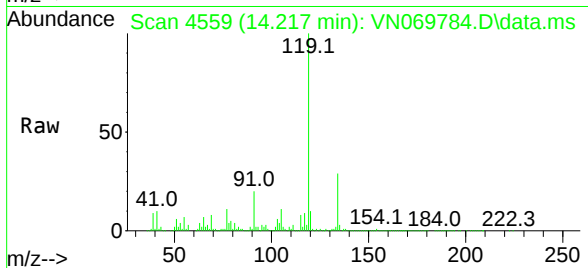
DRUM1-2

Tgt Ion:117 Resp: 1020063

Ion Ratio Lower Upper

117 100

201 0.0 43.9 131.6#



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.179 ug/l

RT: 14.579 min Scan# 4694

Delta R.T. -0.024 min

Lab File: VN069784.D

Acq: 6 Dec 2021 15:27

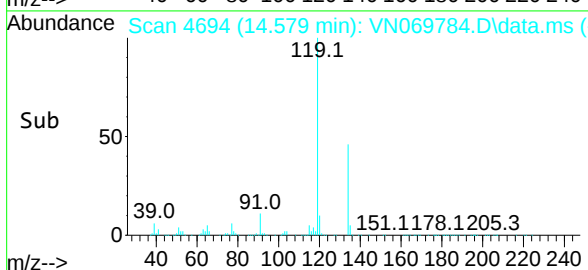
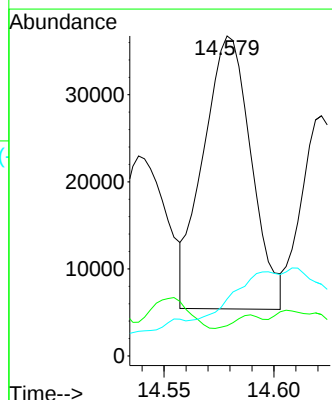
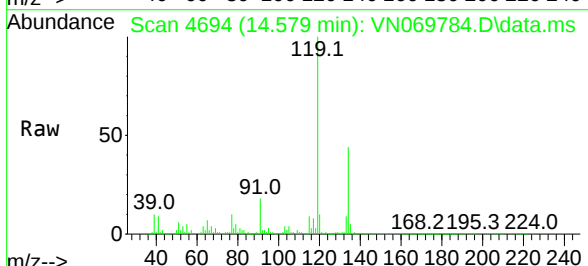
Tgt Ion: 75 Resp: 47668

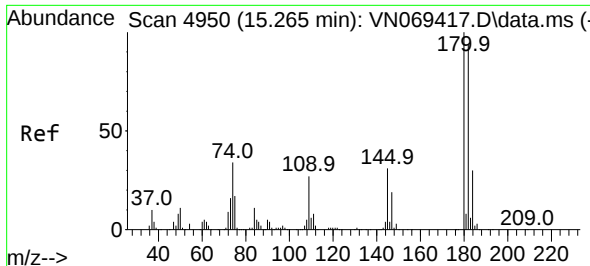
Ion Ratio Lower Upper

75 100

155 7.0 46.9 140.7#

157 0.0 60.6 181.7#

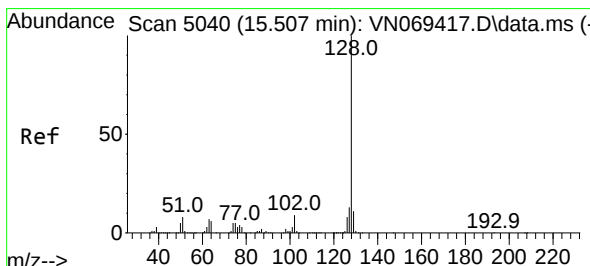
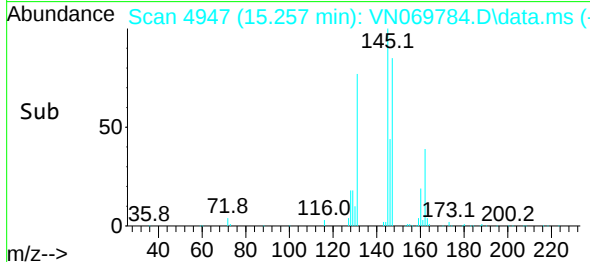
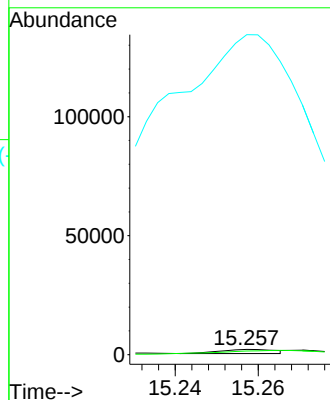
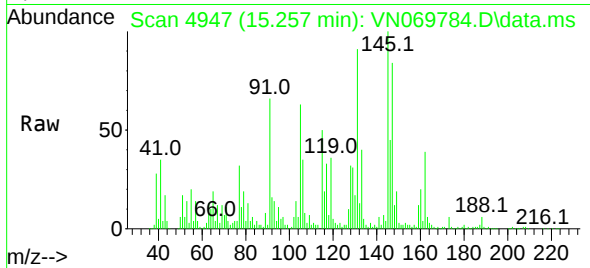




#93  
1,2,4-Trichlorobenzene  
Concen: 2.932 ug/l  
RT: 15.257 min Scan# 4950  
Delta R.T. -0.008 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

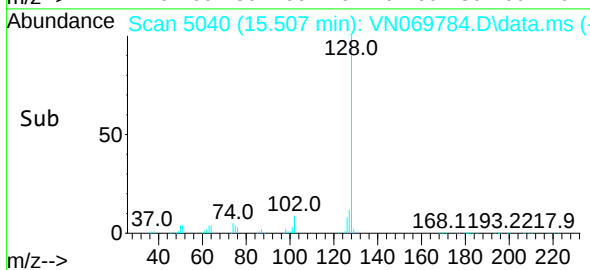
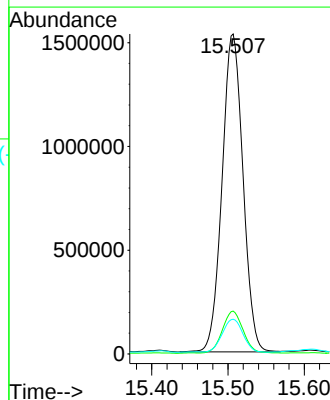
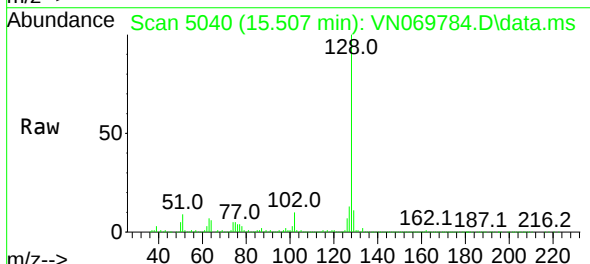
Instrument :  
MSVOA\_N  
ClientSampleId :  
DRUM1-2

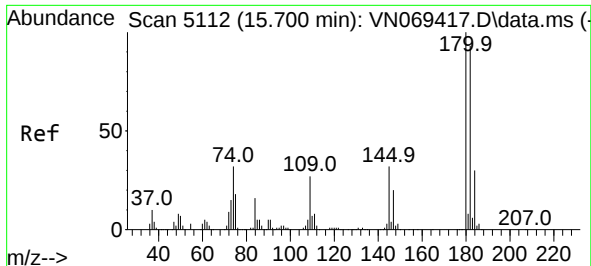
Tgt Ion:180 Resp: 1571  
Ion Ratio Lower Upper  
180 100  
182 209.0 48.3 144.9#  
145 18740.9 14.5 43.5#



#95  
Naphthalene  
Concen: 37.190 ug/l  
RT: 15.507 min Scan# 5040  
Delta R.T. -0.000 min  
Lab File: VN069784.D  
Acq: 6 Dec 2021 15:27

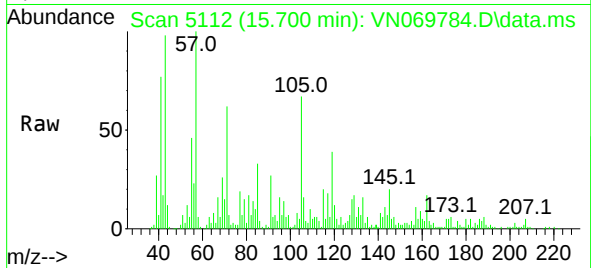
Tgt Ion:128 Resp: 2918909  
Ion Ratio Lower Upper  
128 100  
127 13.0 10.5 15.7  
129 10.2 8.7 13.1





#96  
 1,2,3-Trichlorobenzene  
 Concen: 2.576 ug/l  
 RT: 15.700 min Scan# 51  
 Delta R.T. -0.002 min  
 Lab File: VN069784.D  
 Acq: 6 Dec 2021 15:27

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 DRUM1-2



Tgt Ion:180 Resp: 3895  
 Ion Ratio Lower Upper  
 180 100  
 182 83.4 47.4 142.2  
 145 146.1 15.0 45.1#

