

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082322\  
 Data File : VN074079.D  
 Acq On : 23 Aug 2022 19:43  
 Operator : JC\MD  
 Sample : NN0823WBSD02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0823WBSD02

Quant Time: Aug 24 01:22:07 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072722W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Jul 27 18:07:26 2022  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Bromochloromethane        | 7.587  | 128   | 68578    | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 8.904  | 114   | 371619   | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 11.686 | 117   | 334879   | 30.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 27) 1,2-Dichloroethane-d4    | 8.369  | 65    | 168902   | 28.486   | ug/l   | 0.00     |
| Spiked Amount                | 30.000 | Range | 91 - 110 | Recovery | =      | 94.967%  |
| 60) 4-Bromofluorobenzene     | 12.669 | 95    | 182403   | 30.762   | ug/l   | 0.00     |
| Spiked Amount                | 30.000 | Range | 63 - 112 | Recovery | =      | 102.533% |
| 63) Toluene-d8               | 10.380 | 98    | 562004   | 29.804   | ug/l   | 0.00     |
| Spiked Amount                | 30.000 | Range | 91 - 112 | Recovery | =      | 99.333%  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.046  | 85    | 87927    | 18.863   | ug/l   | 98       |
| 3) Chloromethane             | 2.269  | 50    | 111605   | 18.109   | ug/l   | 95       |
| 4) Vinyl Chloride            | 2.404  | 62    | 121321   | 16.039   | ug/l   | 100      |
| 5) Bromomethane              | 2.804  | 94    | 63164    | 16.437   | ug/l   | 95       |
| 6) Chloroethane              | 2.969  | 64    | 77175    | 15.059   | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.316  | 101   | 164782   | 22.148   | ug/l   | 98       |
| 8) Diethyl Ether             | 3.763  | 74    | 59109    | 19.744   | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 4.146  | 101   | 83927    | 18.711   | ug/l # | 62       |
| 10) 1,1-Dichloroethene       | 4.110  | 96    | 83270    | 19.395   | ug/l   | 93       |
| 11) Methyl Iodide            | 4.351  | 142   | 93894    | 18.959   | ug/l   | 91       |
| 12) Methyl Acetate           | 4.775  | 43    | 167705   | 22.984   | ug/l   | 98       |
| 13) Acrolein                 | 3.981  | 56    | 84748    | 66.069   | ug/l   | 97       |
| 14) Acrylonitrile            | 5.475  | 53    | 352821   | 104.768  | ug/l   | 97       |
| 15) Acetone                  | 4.222  | 58    | 101175   | 108.068  | ug/l   | 86       |
| 16) Carbon Disulfide         | 4.463  | 76    | 210470   | 17.939   | ug/l   | 97       |
| 17) Allyl chloride           | 4.757  | 41    | 132405   | 18.489   | ug/l   | 83       |
| 18) Methylene Chloride       | 5.010  | 84    | 105565   | 19.405   | ug/l   | 94       |
| 19) trans-1,2-Dichloroethene | 5.510  | 96    | 91756    | 19.276   | ug/l   | 96       |
| 20) Diisopropyl ether        | 6.416  | 45    | 302810   | 19.437   | ug/l   | 91       |
| 21) 1,1-Dichloroethane       | 6.304  | 63    | 176381   | 19.186   | ug/l   | 98       |
| 22) cis-1,2-Dichloroethene   | 7.245  | 96    | 111242   | 19.426   | ug/l   | 93       |
| 23) tert-Butyl Alcohol       | 5.293  | 59    | 127138   | 106.827  | ug/l # | 100      |
| 25) Chloroform               | 7.745  | 83    | 186612   | 19.666   | ug/l   | 98       |
| 26) Cyclohexane              | 8.028  | 56    | 140883   | 17.767   | ug/l # | 98       |
| 29) 1,1-Dichloropropene      | 8.151  | 75    | 127288   | 18.331   | ug/l   | 98       |
| 30) 2-Butanone               | 7.263  | 43    | 475532   | 99.068   | ug/l   | 98       |
| 31) 2,2-Dichloropropane      | 7.251  | 77    | 89726    | 12.384   | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 7.945  | 97    | 153540   | 19.104   | ug/l   | 98       |
| 33) Carbon Tetrachloride     | 8.134  | 117   | 132848   | 19.277   | ug/l   | 98       |
| 34) Benzene                  | 8.386  | 78    | 418078   | 18.606   | ug/l # | 95       |
| 35) Methacrylonitrile        | 7.569  | 41    | 79993    | 20.530   | ug/l   | 92       |
| 36) 1,2-Dichloroethane       | 8.463  | 62    | 140675   | 18.986   | ug/l # | 95       |
| 37) Trichloroethene          | 9.151  | 130   | 102277   | 18.502   | ug/l   | 99       |
| 38) Methylcyclohexane        | 9.398  | 83    | 143821   | 16.685   | ug/l   | 95       |
| 39) 1,2-Dichloropropane      | 9.428  | 63    | 106909   | 18.860   | ug/l   | 98       |
| 40) Dibromomethane           | 9.516  | 93    | 74560    | 19.384   | ug/l   | 85       |
| 41) Bromodichloromethane     | 9.698  | 83    | 141230   | 18.757   | ug/l   | 97       |
| 42) Vinyl Acetate            | 6.351  | 43    | 1239492  | 89.613   | ug/l   | 95       |
| 43) Ethyl Acetate            | 7.339  | 43    | 177976   | 19.531   | ug/l   | 100      |

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 ALS Vial : 24 Sample Multiplier: 1

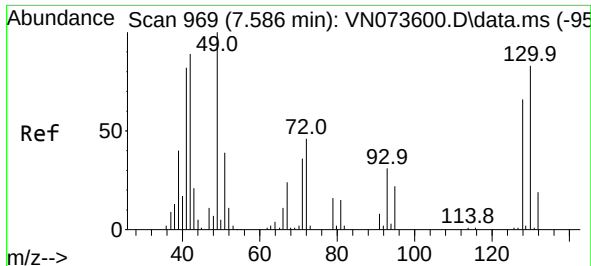
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0823WBSD02

Quant Time: Aug 24 01:22:07 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072722W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Jul 27 18:07:26 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 44) Isopropyl Acetate         | 8.498  | 43   | 237275   | 18.724  | ug/l   | 95       |
| 45) 1,4-Dioxane               | 9.510  | 88   | 63737    | 421.823 | ug/l   | 94       |
| 46) Methyl methacrylate       | 9.498  | 41   | 112095   | 19.781  | ug/l   | 79       |
| 47) n-amyl Acetate            | 12.327 | 43   | 180270   | 17.844  | ug/l   | 92       |
| 48) t-1,3-Dichloropropene     | 10.663 | 75   | 130779   | 16.871  | ug/l   | 98       |
| 49) cis-1,3-Dichloropropene   | 10.128 | 75   | 149000   | 17.311  | ug/l # | 81       |
| 50) 1,1,2-Trichloroethane     | 10.839 | 97   | 110656   | 19.175  | ug/l   | 97       |
| 51) Ethyl methacrylate        | 10.704 | 69   | 163605   | 18.858  | ug/l   | 81       |
| 52) 1,3-Dichloropropane       | 10.986 | 76   | 181965   | 18.708  | ug/l   | 99       |
| 53) Dibromochloromethane      | 11.180 | 129  | 114830   | 19.635  | ug/l   | 99       |
| 54) 1,2-Dibromoethane         | 11.286 | 107  | 112097   | 19.061  | ug/l   | 96       |
| 55) 2-Chloroethyl vinyl ether | 9.980  | 63   | 420848   | 108.154 | ug/l   | 98       |
| 56) Bromoform                 | 12.398 | 173  | 91132    | 19.830  | ug/l # | 99       |
| 58) 4-Methyl-2-Pentanone      | 10.269 | 43   | 884155   | 102.108 | ug/l   | 93       |
| 59) 2-Hexanone                | 11.027 | 43   | 686725   | 102.965 | ug/l   | 91       |
| 61) Tetrachloroethene         | 10.916 | 164  | 89887    | 17.523  | ug/l   | 91       |
| 62) Toluene                   | 10.445 | 91   | 449894   | 19.319  | ug/l   | 97       |
| 64) Chlorobenzene             | 11.710 | 112  | 276757   | 19.891  | ug/l   | 98       |
| 65) 1,1,1,2-Tetrachloroethane | 11.780 | 131  | 107763   | 20.865  | ug/l   | 99       |
| 66) Ethyl Benzene             | 11.786 | 91   | 475265   | 19.090  | ug/l   | 99       |
| 67) m/p-Xylenes               | 11.892 | 106  | 371454   | 39.036  | ug/l   | 98       |
| 68) o-Xylene                  | 12.222 | 106  | 185139   | 19.588  | ug/l   | 98       |
| 69) Styrene                   | 12.233 | 104  | 301408   | 19.348  | ug/l   | 96       |
| 70) Isopropylbenzene          | 12.521 | 105  | 472613   | 19.558  | ug/l   | 98       |
| 71) 1,1,2,2-Tetrachloroethane | 12.769 | 83   | 182493   | 21.478  | ug/l   | 97       |
| 72) 1,2,3-Trichloropropane    | 12.821 | 75   | 207938   | 29.303  | ug/l   | 50       |
| 73) Bromobenzene              | 12.804 | 156  | 121872   | 20.304  | ug/l   | 95       |
| 74) n-propylbenzene           | 12.863 | 91   | 519262   | 18.465  | ug/l   | 98       |
| 75) 2-Chlorotoluene           | 12.945 | 91   | 331603   | 19.671  | ug/l   | 100      |
| 76) 1,3,5-Trimethylbenzene    | 12.998 | 105  | 396600   | 19.595  | ug/l   | 94       |
| 77) t-1,4-Dichloro-2-butene   | 12.569 | 75   | 42872    | 16.578  | ug/l   | 93       |
| 78) 4-Chlorotoluene           | 13.045 | 91   | 310210   | 19.156  | ug/l   | 100      |
| 79) tert-butylbenzene         | 13.263 | 119  | 351544   | 20.090  | ug/l   | 93       |
| 80) 1,2,4-Trimethylbenzene    | 13.439 | 105  | 471269   | 23.507  | ug/l   | 100      |
| 81) sec-Butylbenzene          | 13.439 | 105  | 471269   | 18.757  | ug/l   | 97       |
| 82) p-Isopropyltoluene        | 13.557 | 119  | 387609   | 18.791  | ug/l   | 96       |
| 83) 1,3-Dichlorobenzene       | 13.557 | 146  | 214943   | 19.562  | ug/l   | 98       |
| 84) 1,4-Dichlorobenzene       | 13.633 | 146  | 207345   | 19.563  | ug/l   | 98       |
| 85) n-Butylbenzene            | 13.880 | 91   | 283067   | 16.929  | ug/l   | 95       |
| 86) Hexachloroethane          | 14.151 | 117  | 73067    | 19.314  | ug/l   | 76       |
| 87) 1,2-Dichlorobenzene       | 13.927 | 146  | 226229   | 20.365  | ug/l   | 97       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.545 | 75   | 39768    | 21.429  | ug/l # | 79       |
| 89) 1,2,4-Trichlorobenzene    | 15.198 | 180  | 120887   | 19.772  | ug/l   | 97       |
| 90) Hexachlorobutadiene       | 15.298 | 225  | 64877    | 20.951  | ug/l   | 98       |
| 91) Naphthalene               | 15.433 | 128  | 436157   | 21.726  | ug/l   | 98       |
| 92) 1,2,3-Trichlorobenzene    | 15.627 | 180  | 131276   | 20.902  | ug/l   | 97       |

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

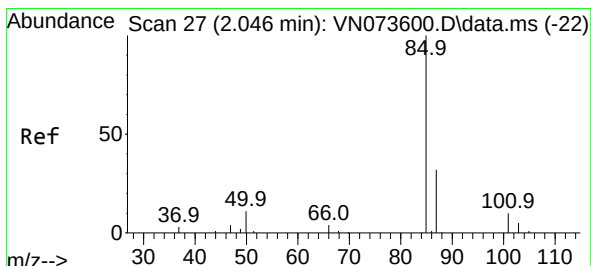
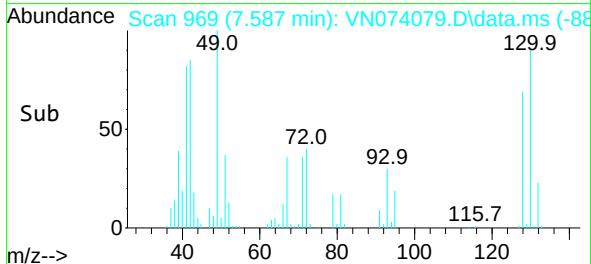
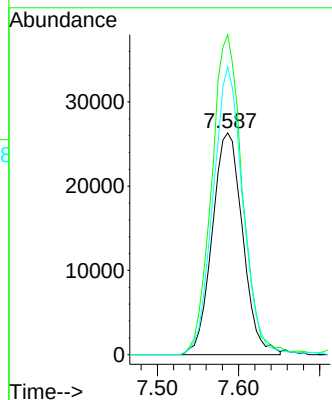
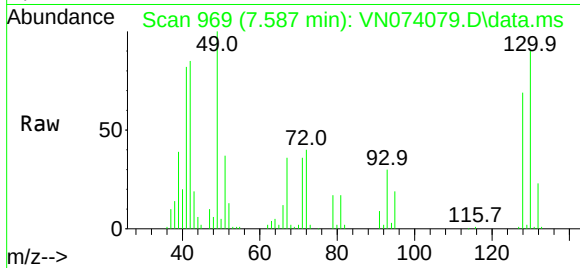




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.587 min Scan# 969  
Delta R.T. 0.000 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

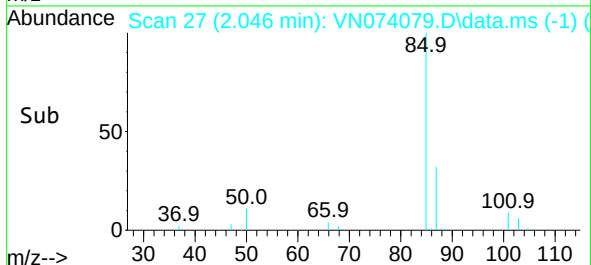
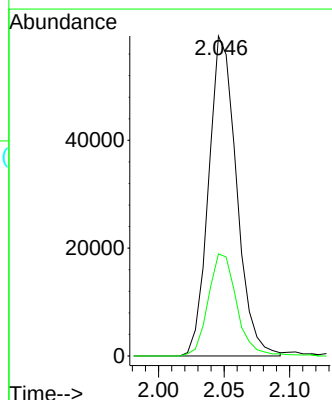
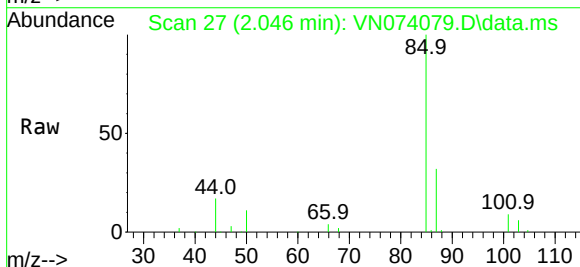
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0823WBSD02

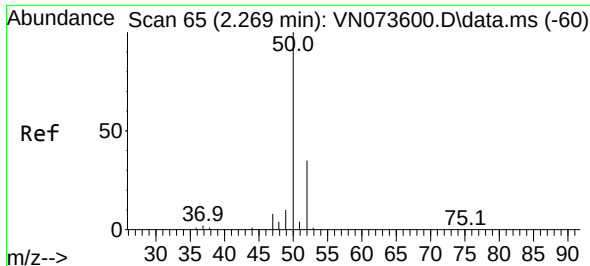
Tgt Ion:128 Resp: 68578  
Ion Ratio Lower Upper  
128 100  
49 145.1 0.0 392.3  
130 127.2 0.0 320.2



#2  
Dichlorodifluoromethane  
Concen: 18.863 ug/l  
RT: 2.046 min Scan# 27  
Delta R.T. 0.000 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

Tgt Ion: 85 Resp: 87927  
Ion Ratio Lower Upper  
85 100  
87 31.9 16.6 49.7

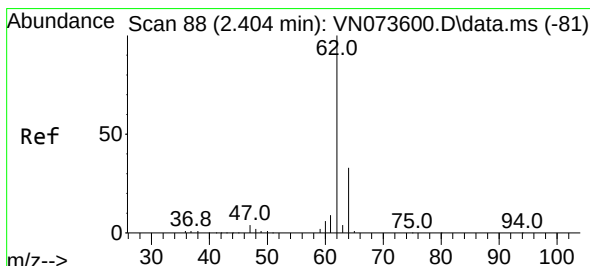
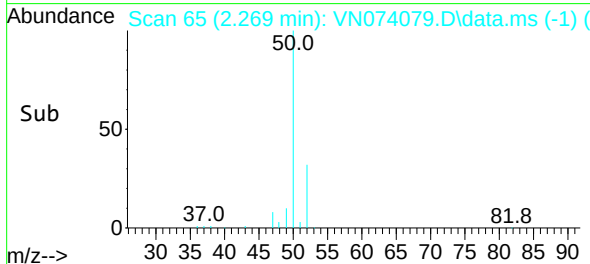
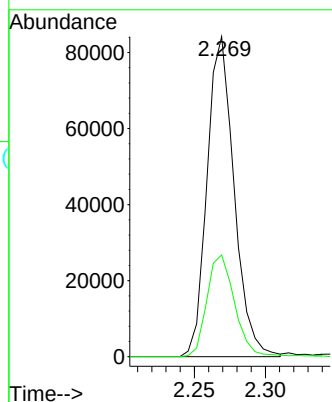
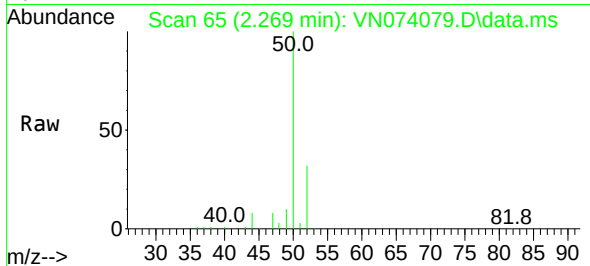




#3  
Chloromethane  
Concen: 18.109 ug/l  
RT: 2.269 min Scan# 65  
Delta R.T. 0.000 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

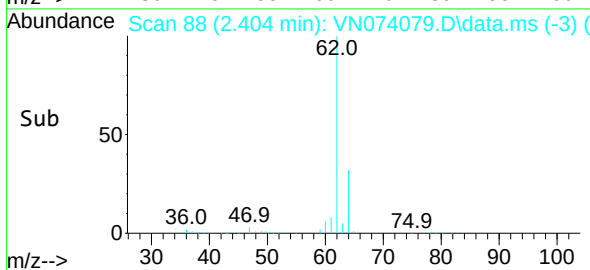
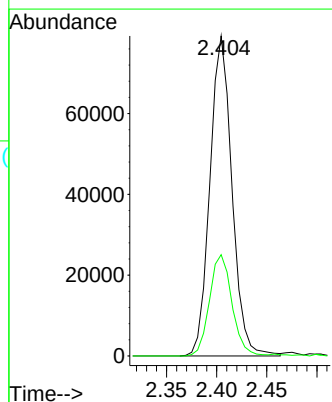
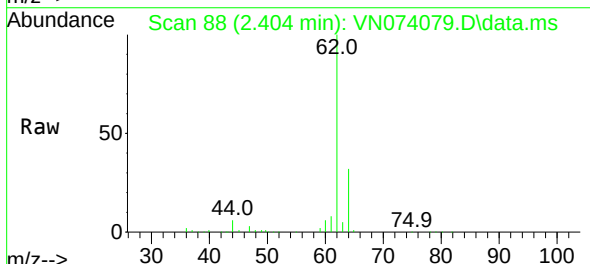
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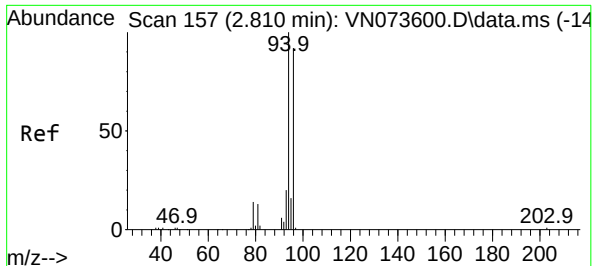
Tgt Ion: 50 Resp: 111605  
Ion Ratio Lower Upper  
50 100  
52 31.8 27.8 41.6



#4  
Vinyl Chloride  
Concen: 16.039 ug/l  
RT: 2.404 min Scan# 88  
Delta R.T. 0.000 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

Tgt Ion: 62 Resp: 121321  
Ion Ratio Lower Upper  
62 100  
64 31.7 25.1 37.7

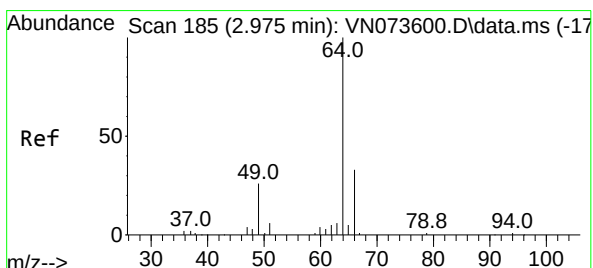
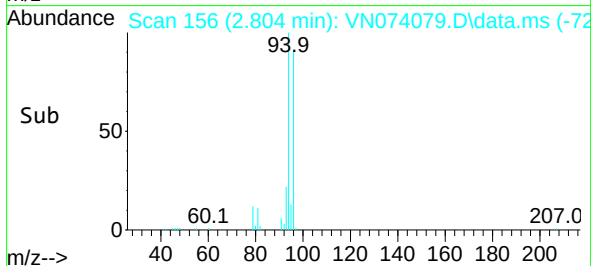
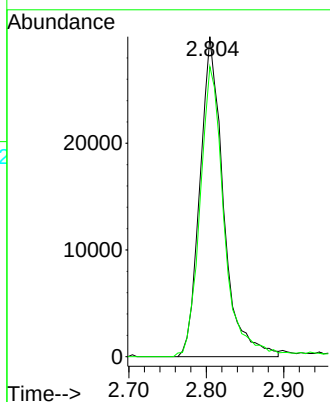
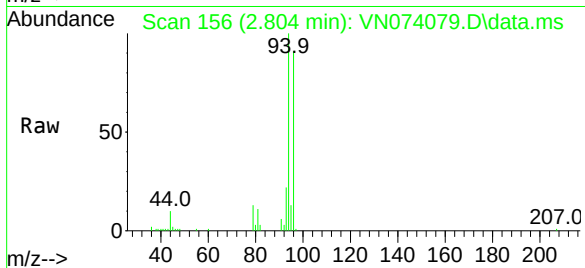




#5  
Bromomethane  
Concen: 16.437 ug/l  
RT: 2.804 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

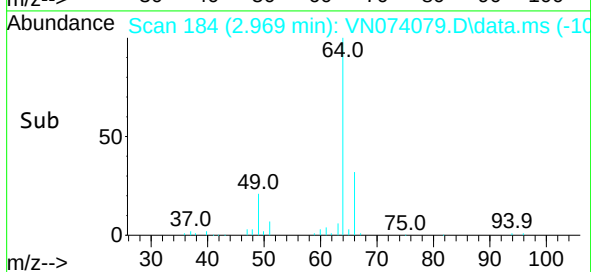
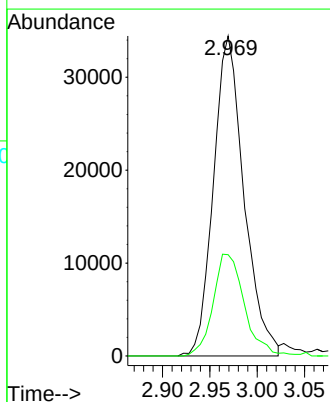
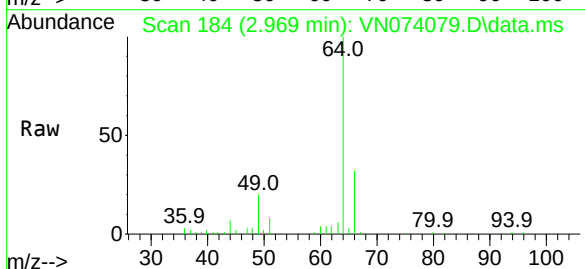
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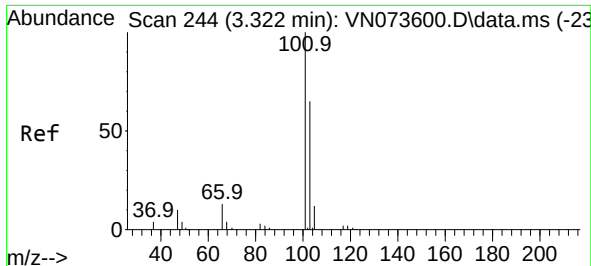
Tgt Ion: 94 Resp: 63164  
Ion Ratio Lower Upper  
94 100  
96 89.5 75.2 112.8



#6  
Chloroethane  
Concen: 15.059 ug/l  
RT: 2.969 min Scan# 184  
Delta R.T. -0.006 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

Tgt Ion: 64 Resp: 77175  
Ion Ratio Lower Upper  
64 100  
66 31.6 24.6 36.8

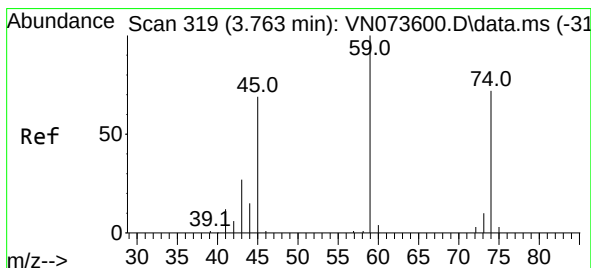
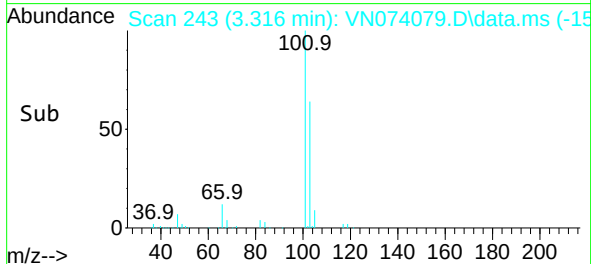
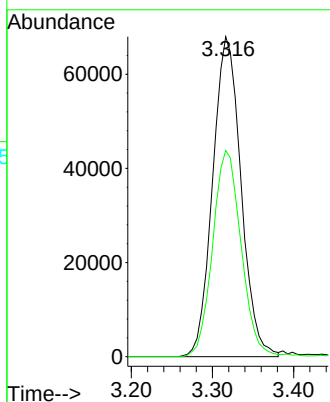
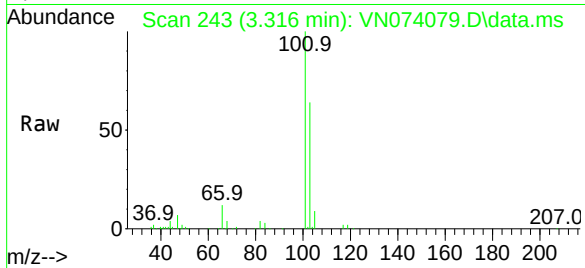




#7  
 Trichlorofluoromethane  
 Concen: 22.148 ug/l  
 RT: 3.316 min Scan# 244  
 Delta R.T. -0.006 min  
 Lab File: VN074079.D  
 Acq: 23 Aug 2022 19:43

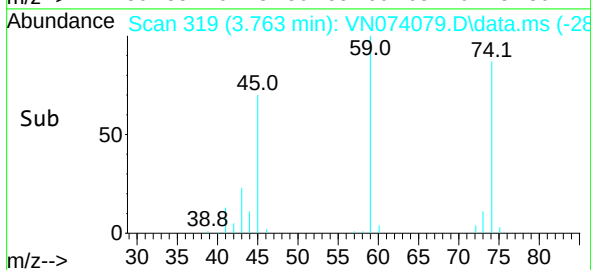
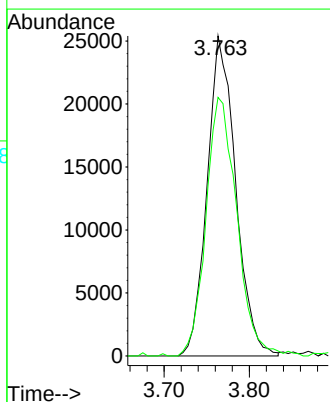
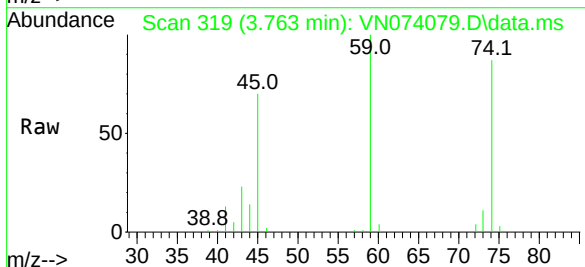
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0823WBSD02

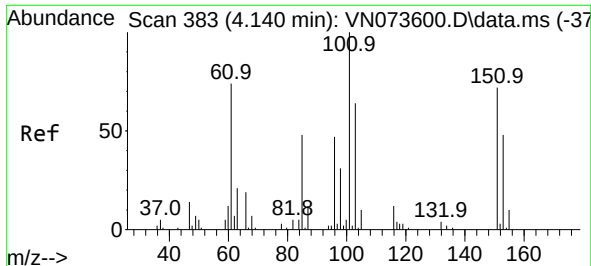
Tgt Ion:101 Resp: 164782  
 Ion Ratio Lower Upper  
 101 100  
 103 64.5 50.1 75.1



#8  
 Diethyl Ether  
 Concen: 19.744 ug/l  
 RT: 3.763 min Scan# 319  
 Delta R.T. 0.000 min  
 Lab File: VN074079.D  
 Acq: 23 Aug 2022 19:43

Tgt Ion: 74 Resp: 59109  
 Ion Ratio Lower Upper  
 74 100  
 45 87.1 17.6 158.8

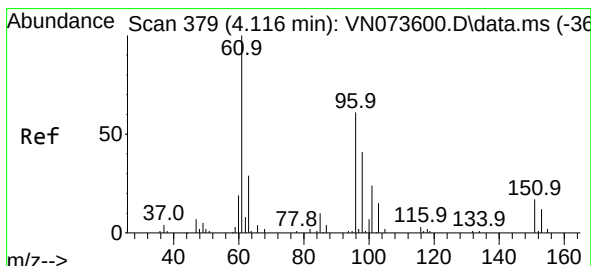
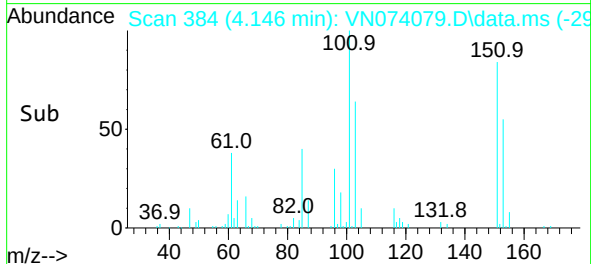
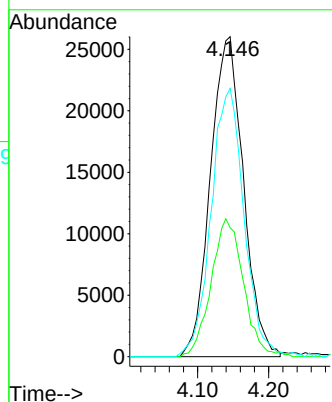
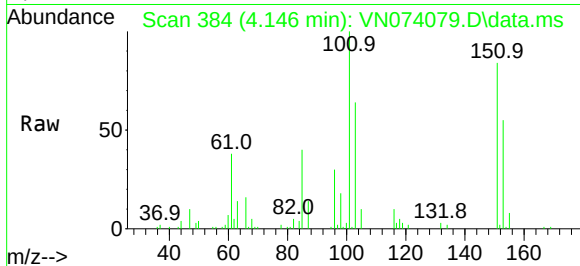




#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 18.711 ug/l  
 RT: 4.146 min Scan# 384  
 Delta R.T. 0.006 min  
 Lab File: VN074079.D  
 Acq: 23 Aug 2022 19:43

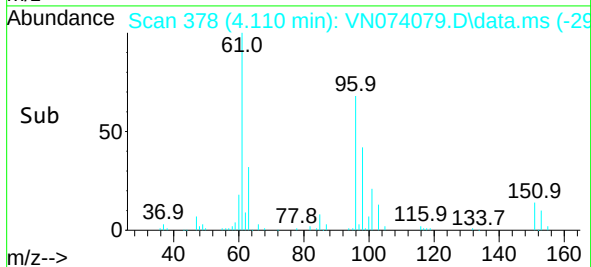
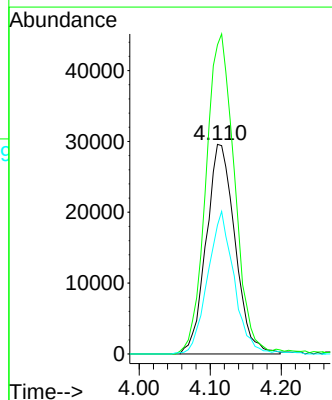
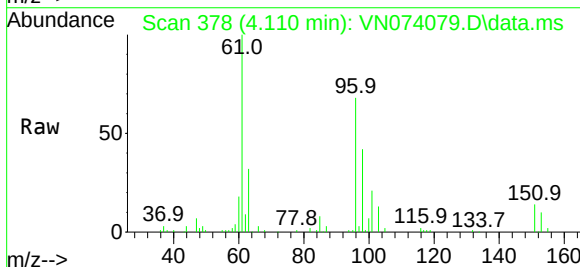
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0823WBSD02

Tgt Ion:101 Resp: 83927  
 Ion Ratio Lower Upper  
 101 100  
 85 41.8 0.0 94.0  
 151 83.4 0.0 74.6#

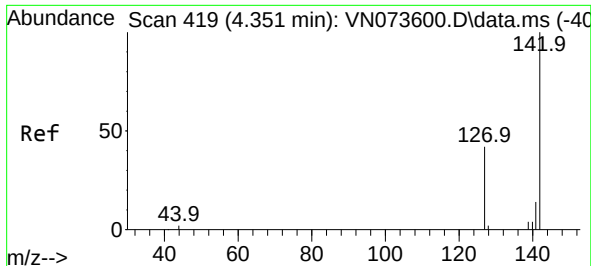


#10  
 1,1-Dichloroethene  
 Concen: 19.395 ug/l  
 RT: 4.110 min Scan# 378  
 Delta R.T. -0.006 min  
 Lab File: VN074079.D  
 Acq: 23 Aug 2022 19:43

Tgt Ion: 96 Resp: 83270  
 Ion Ratio Lower Upper  
 96 100  
 61 146.2 126.2 189.4  
 98 61.0 50.9 76.3

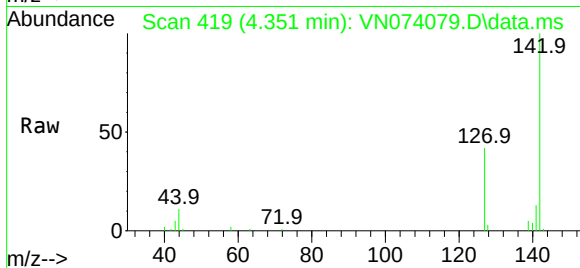




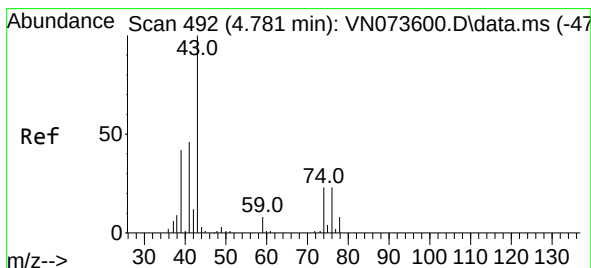
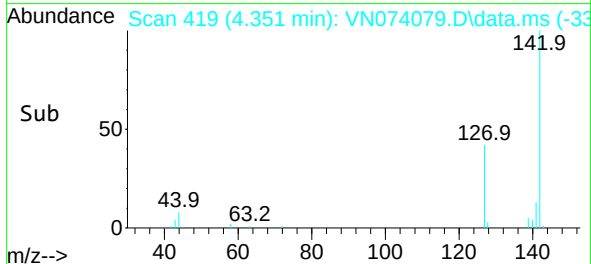
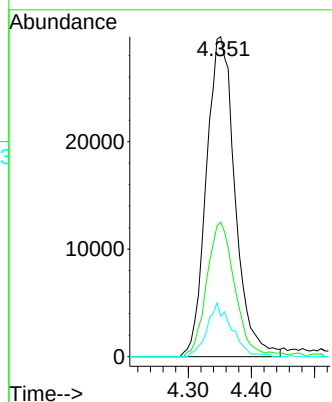


#11  
Methyl Iodide  
Concen: 18.959 ug/l  
RT: 4.351 min Scan# 419  
Delta R.T. 0.000 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0823WBSD02

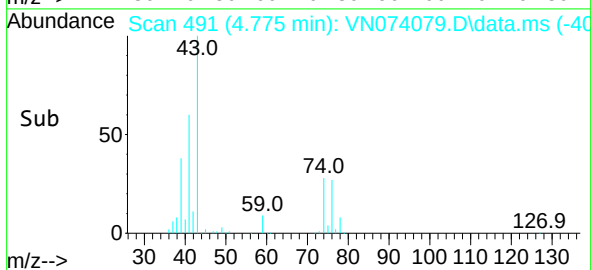
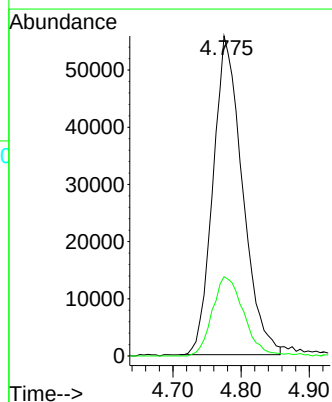
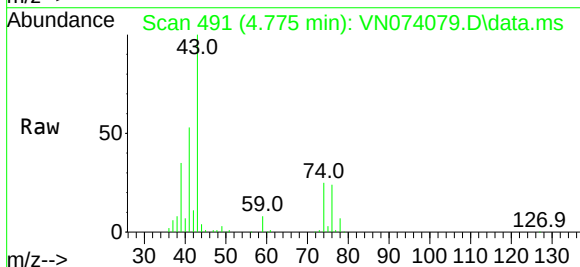


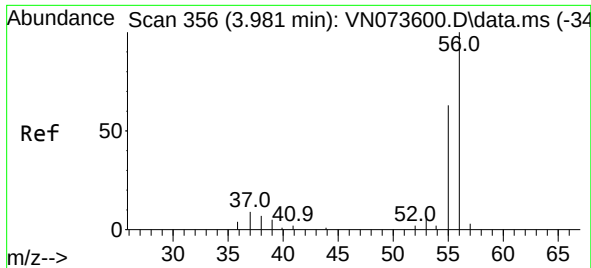
Tgt Ion:142 Resp: 93894  
Ion Ratio Lower Upper  
142 100  
127 41.9 24.0 72.0  
141 12.8 8.4 25.2



#12  
Methyl Acetate  
Concen: 22.984 ug/l  
RT: 4.775 min Scan# 491  
Delta R.T. -0.006 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

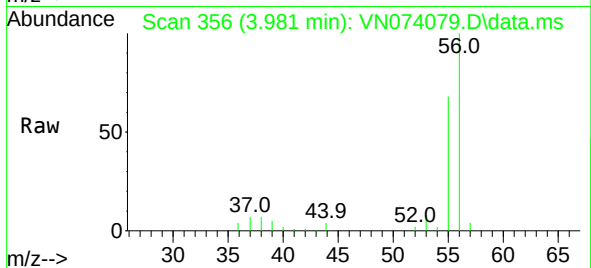
Tgt Ion: 43 Resp: 167705  
Ion Ratio Lower Upper  
43 100  
74 24.8 20.8 31.2



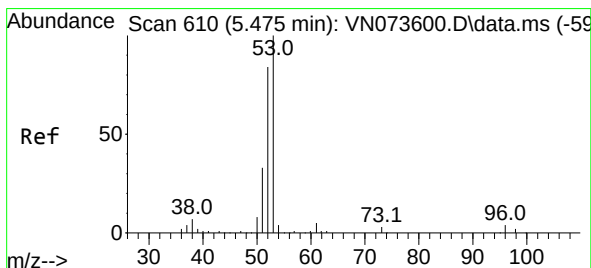
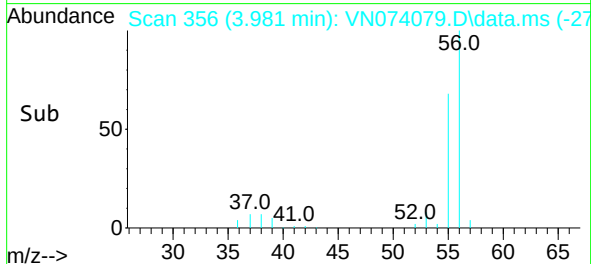
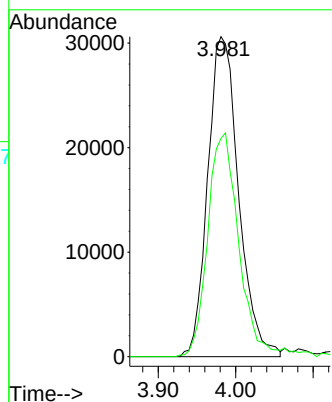


#13  
Acrolein  
Concen: 66.069 ug/l  
RT: 3.981 min Scan# 356  
Delta R.T. 0.000 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0823WBSD02

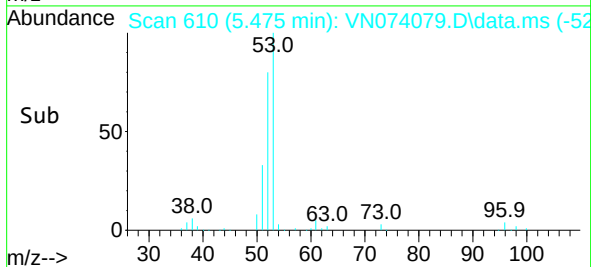
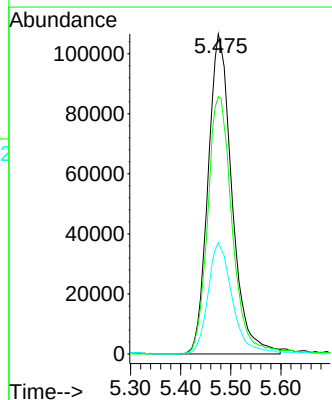
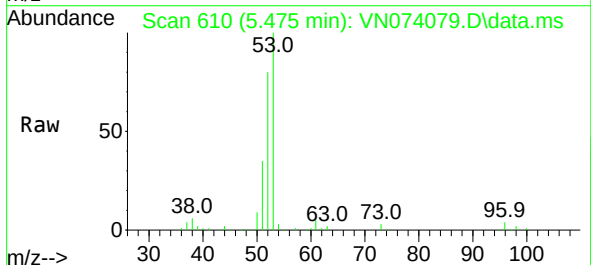


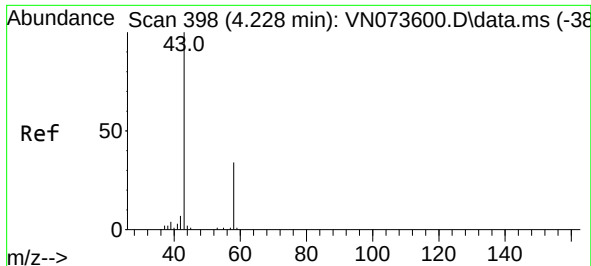
Tgt Ion: 56 Resp: 84748  
Ion Ratio Lower Upper  
56 100  
55 69.5 57.6 86.4



#14  
Acrylonitrile  
Concen: 104.768 ug/l  
RT: 5.475 min Scan# 610  
Delta R.T. 0.000 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

Tgt Ion: 53 Resp: 352821  
Ion Ratio Lower Upper  
53 100  
52 81.7 41.8 125.4  
51 35.1 19.0 57.0





#15

Acetone

Concen: 108.068 ug/l

RT: 4.222 min Scan# 398

Delta R.T. -0.006 min

Lab File: VN074079.D

Acq: 23 Aug 2022 19:43

Instrument :

MSVOA\_N

ClientSampleId :

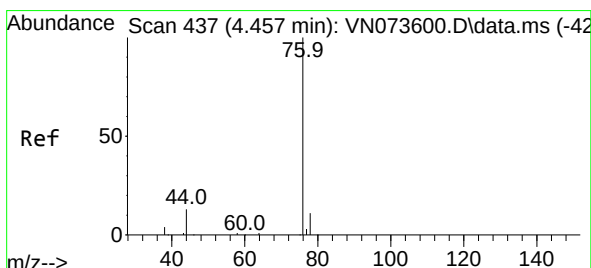
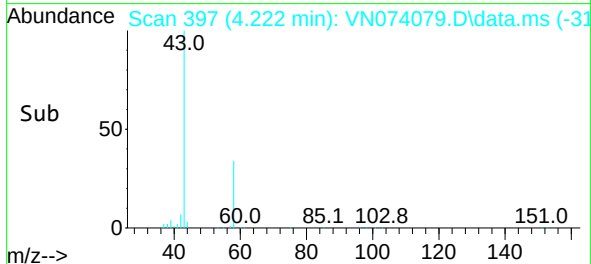
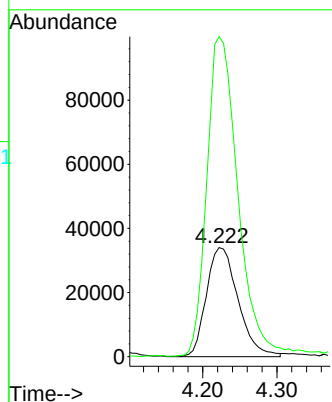
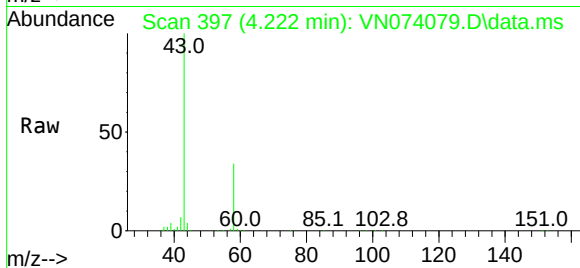
VN0823WBSD02

Tgt Ion: 58 Resp: 101175

Ion Ratio Lower Upper

58 100

43 292.3 256.6 384.8



#16

Carbon Disulfide

Concen: 17.939 ug/l

RT: 4.463 min Scan# 438

Delta R.T. 0.006 min

Lab File: VN074079.D

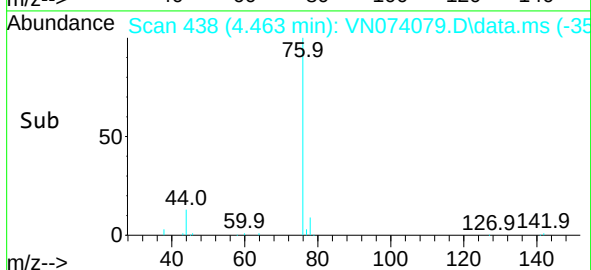
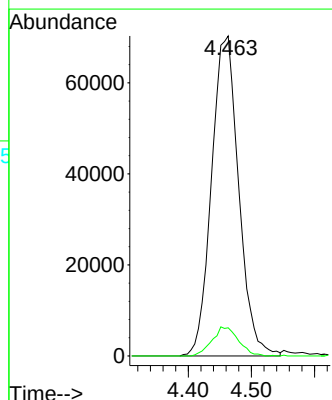
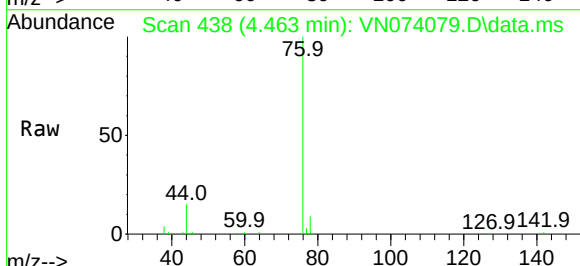
Acq: 23 Aug 2022 19:43

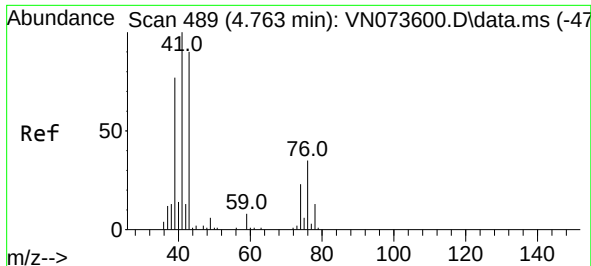
Tgt Ion: 76 Resp: 210470

Ion Ratio Lower Upper

76 100

78 8.8 7.8 11.8





#17

Allyl chloride

Concen: 18.489 ug/l

RT: 4.757 min Scan# 41

Delta R.T. -0.006 min

Lab File: VN074079.D

Acq: 23 Aug 2022 19:43

Instrument :

MSVOA\_N

ClientSampleId :

VN0823WBSD02

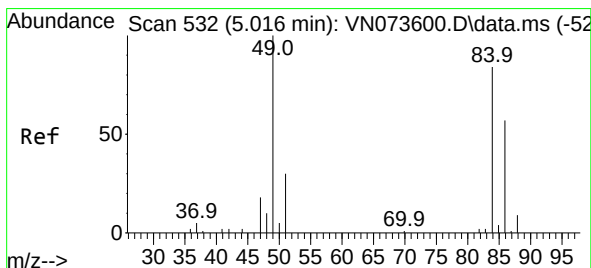
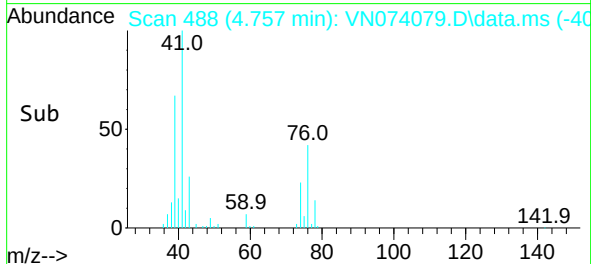
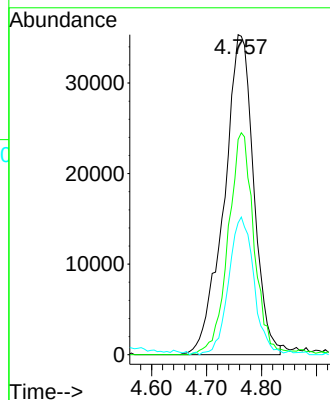
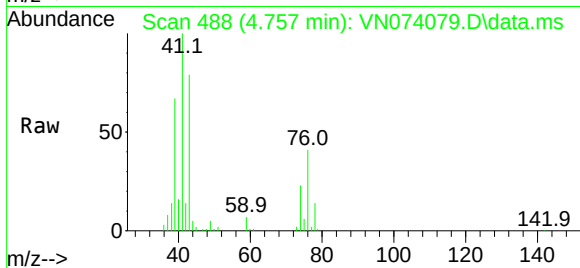
Tgt Ion: 41 Resp: 132405

Ion Ratio Lower Upper

41 100

39 67.2 44.6 134.0

76 40.4 19.6 58.7



#18

Methylene Chloride

Concen: 19.405 ug/l

RT: 5.010 min Scan# 531

Delta R.T. -0.006 min

Lab File: VN074079.D

Acq: 23 Aug 2022 19:43

Tgt Ion: 84 Resp: 105565

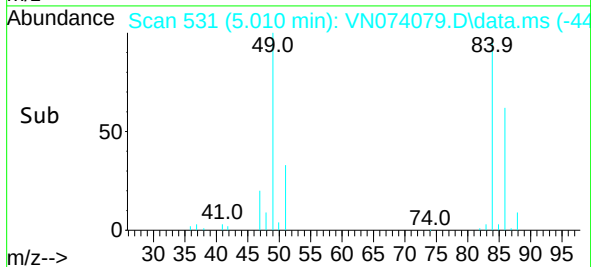
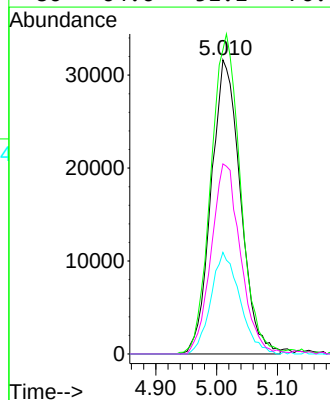
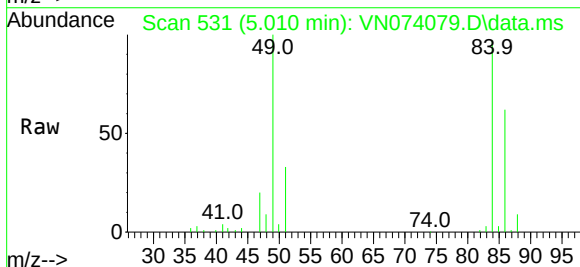
Ion Ratio Lower Upper

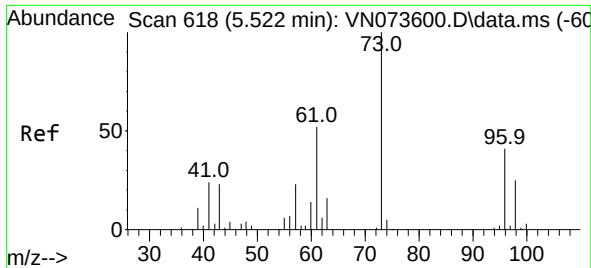
84 100

49 102.9 91.4 137.0

51 34.5 29.4 44.0

86 64.6 51.1 76.7

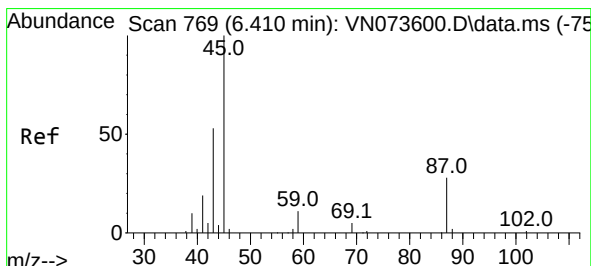
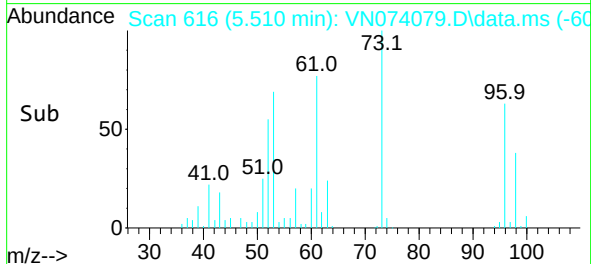
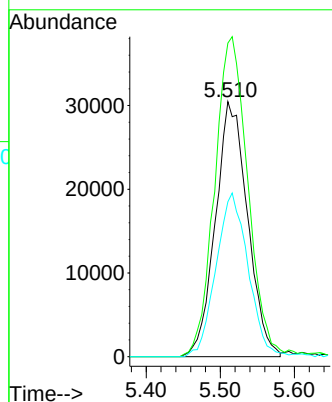
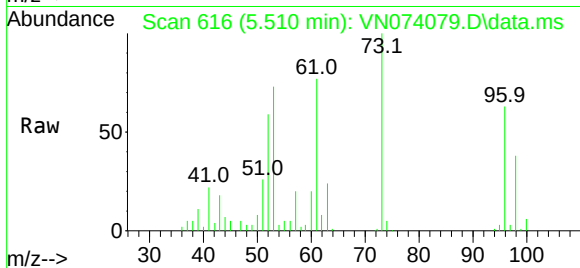




#19  
trans-1,2-Dichloroethene  
Concen: 19.276 ug/l  
RT: 5.510 min Scan# 618  
Delta R.T. -0.012 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

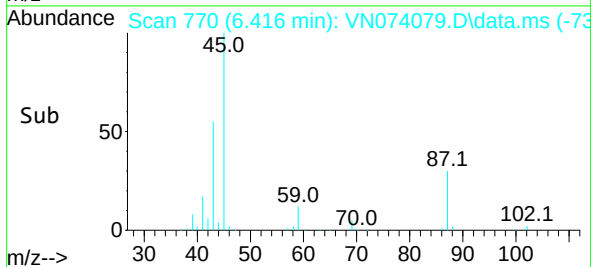
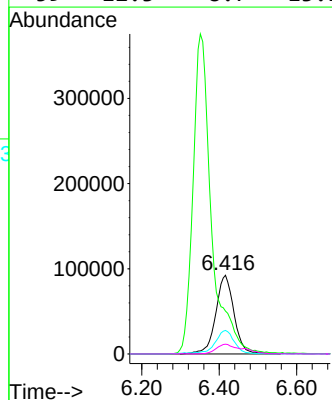
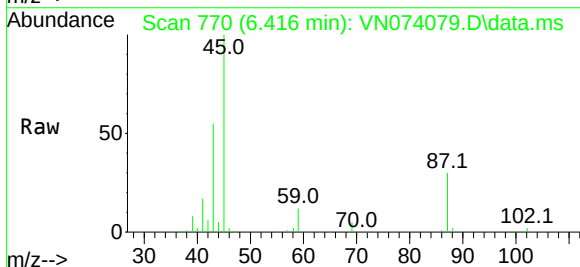
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0823WBSD02

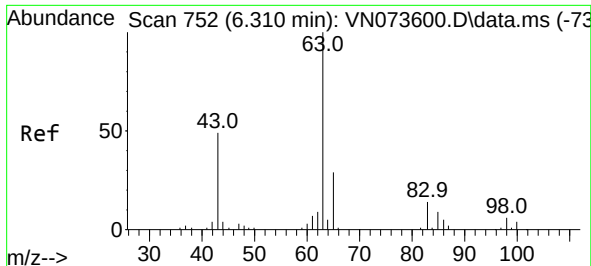
Tgt Ion: 96 Resp: 91756  
Ion Ratio Lower Upper  
96 100  
61 122.9 102.8 154.2  
98 60.7 49.3 73.9



#20  
Diisopropyl ether  
Concen: 19.437 ug/l  
RT: 6.416 min Scan# 770  
Delta R.T. 0.006 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

Tgt Ion: 45 Resp: 302810  
Ion Ratio Lower Upper  
45 100  
43 53.4 51.0 76.4  
87 29.6 25.0 37.4  
59 12.3 8.7 13.1

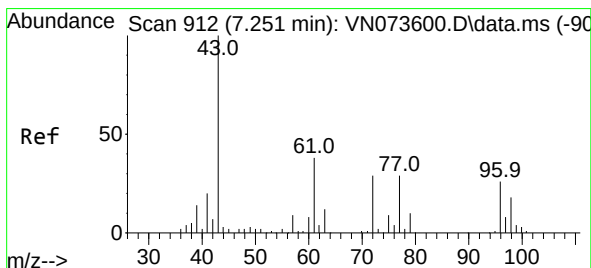
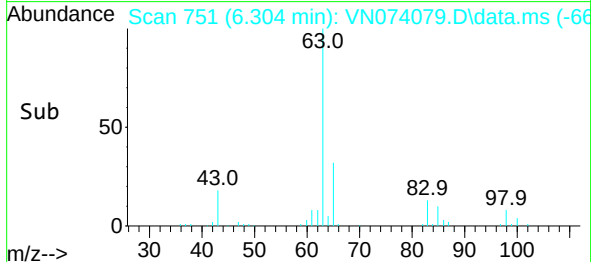
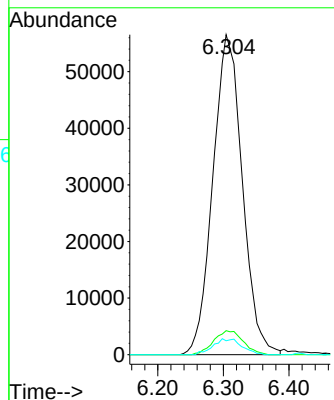
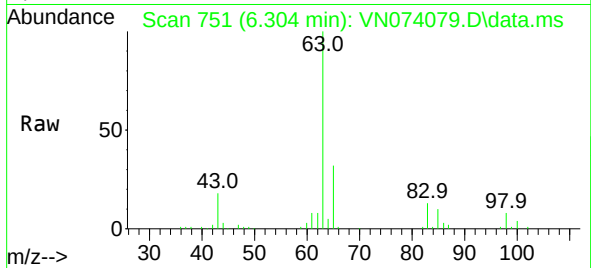




#21  
1,1-Dichloroethane  
Concen: 19.186 ug/l  
RT: 6.304 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

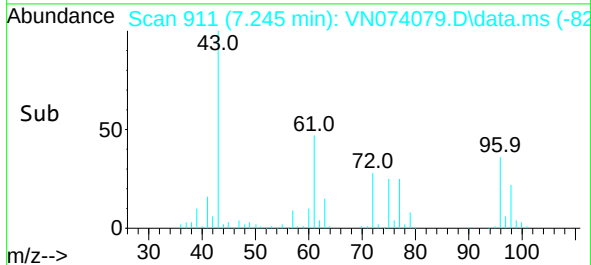
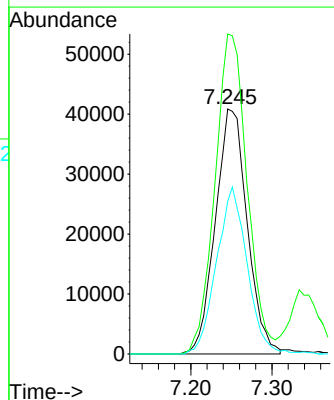
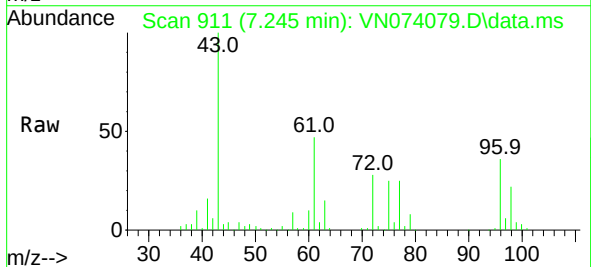
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0823WBSD02

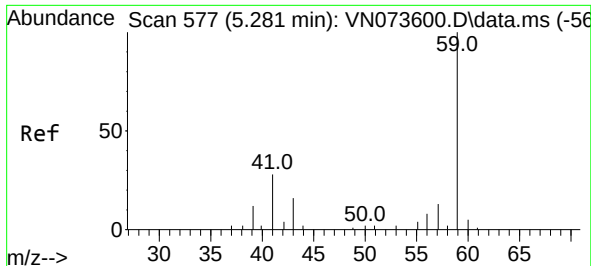
Tgt Ion: 63 Resp: 176381  
Ion Ratio Lower Upper  
63 100  
98 7.5 3.2 9.6  
100 4.3 2.1 6.2



#22  
cis-1,2-Dichloroethene  
Concen: 19.426 ug/l  
RT: 7.245 min Scan# 911  
Delta R.T. -0.006 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

Tgt Ion: 96 Resp: 111242  
Ion Ratio Lower Upper  
96 100  
61 132.1 115.7 173.5  
98 65.4 51.6 77.4

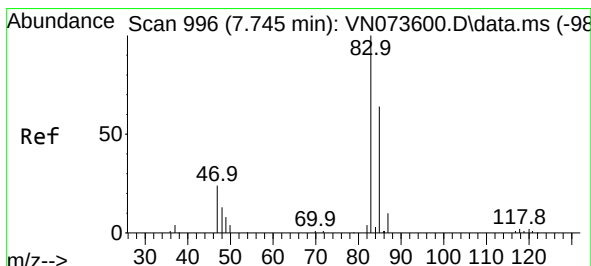
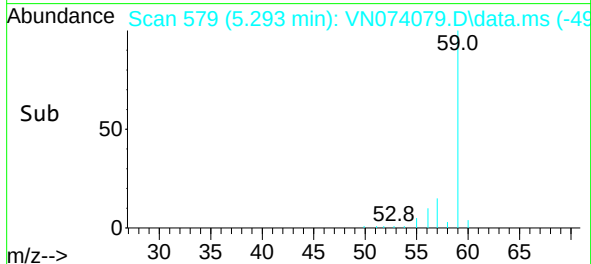
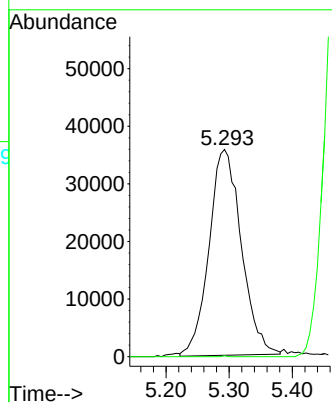
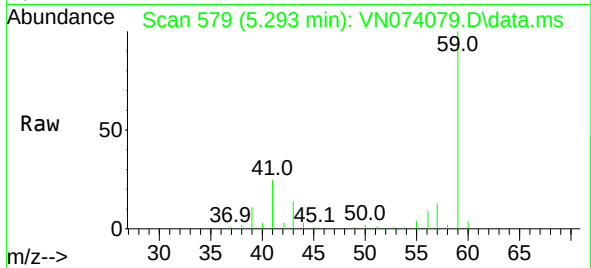




#23  
tert-Butyl Alcohol  
Concen: 106.827 ug/l  
RT: 5.293 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

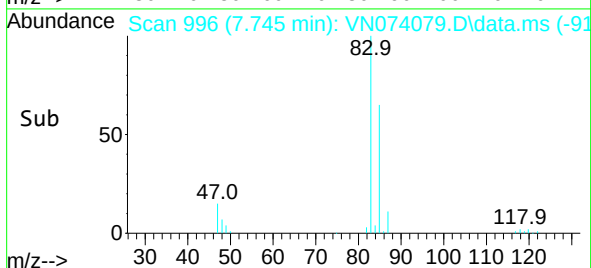
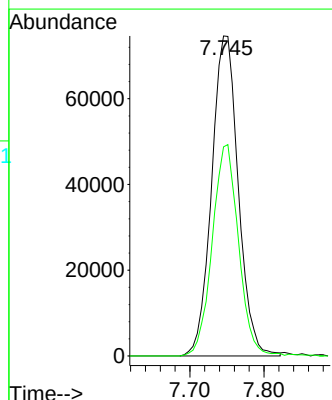
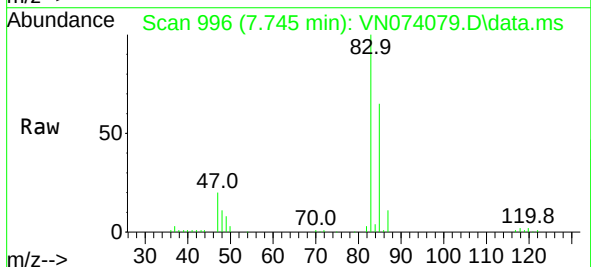
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0823WBSD02

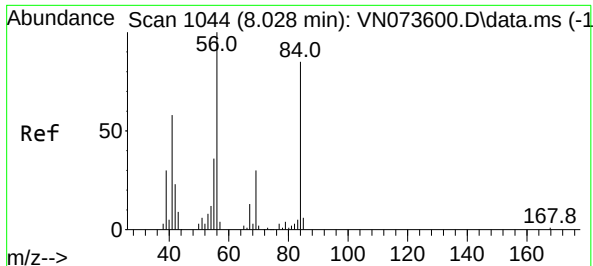
Tgt Ion: 59 Resp: 127138  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.0 0.0



#25  
Chloroform  
Concen: 19.666 ug/l  
RT: 7.745 min Scan# 996  
Delta R.T. 0.000 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

Tgt Ion: 83 Resp: 186612  
Ion Ratio Lower Upper  
83 100  
85 65.4 51.3 76.9

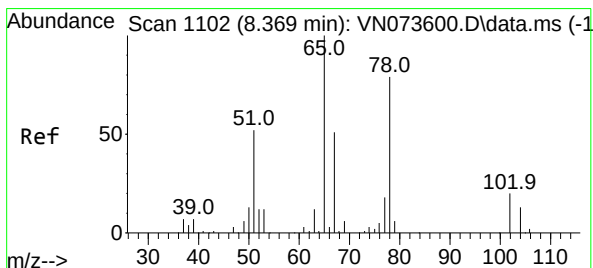
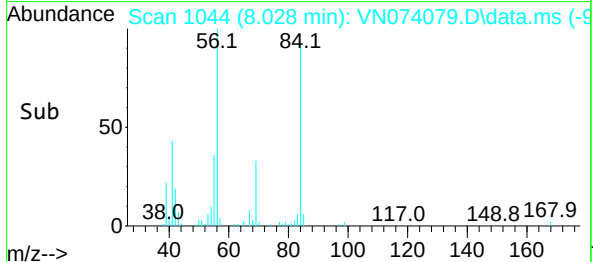
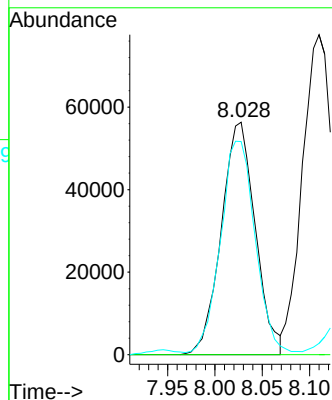
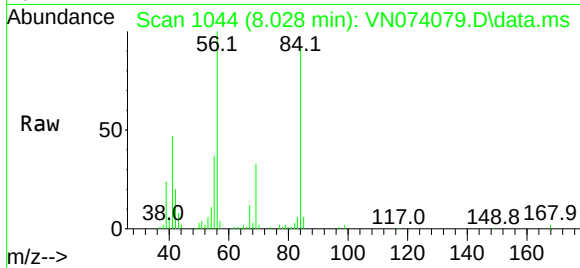




#26  
Cyclohexane  
Concen: 17.767 ug/l  
RT: 8.028 min Scan# 1044  
Delta R.T. 0.000 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

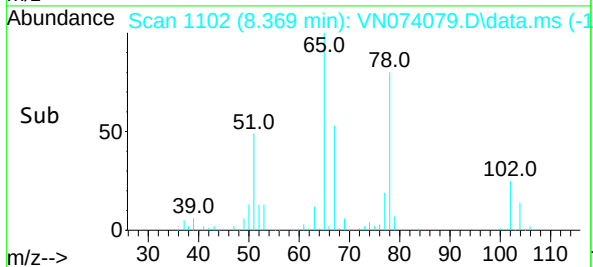
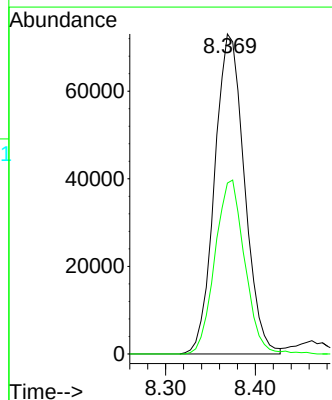
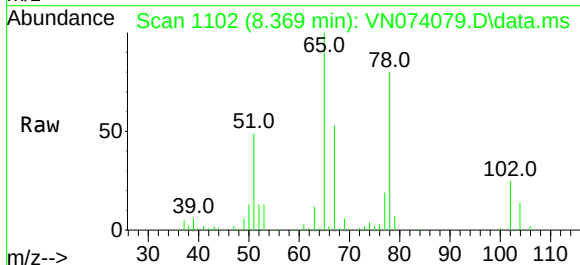
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0823WBSD02

Tgt Ion: 56 Resp: 140883  
Ion Ratio Lower Upper  
56 100  
89 0.0 0.1 0.1#  
84 94.7 74.6 111.8

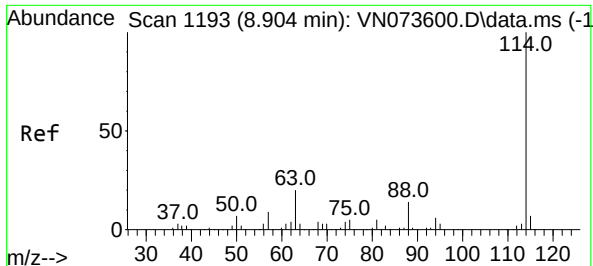


#27  
1,2-Dichloroethane-d4  
Concen: 28.486 ug/l  
RT: 8.369 min Scan# 1102  
Delta R.T. 0.000 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

Tgt Ion: 65 Resp: 168902  
Ion Ratio Lower Upper  
65 100  
67 53.8 40.2 60.2







#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN074079.D

Acq: 23 Aug 2022 19:43

Instrument :

MSVOA\_N

ClientSampleId :

VN0823WBSD02

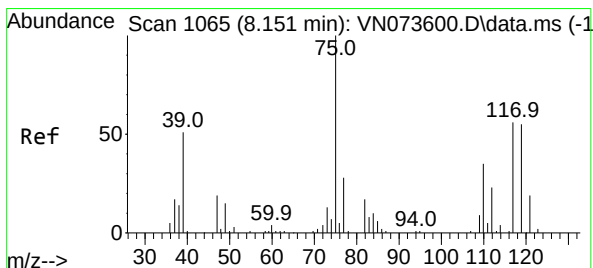
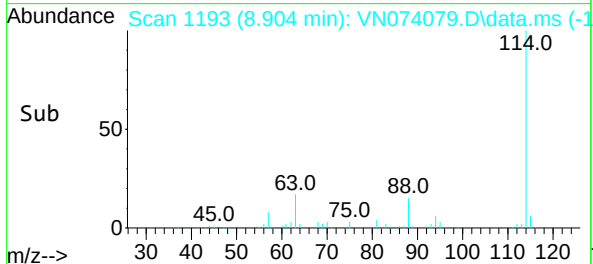
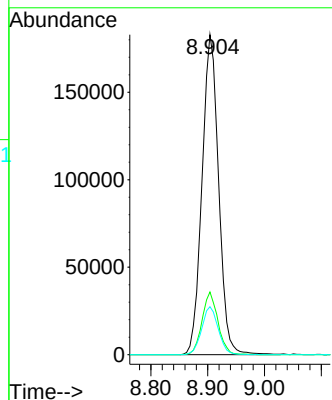
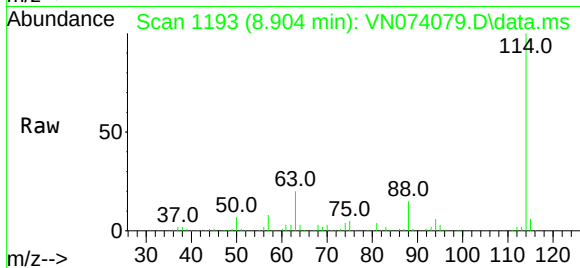
Tgt Ion:114 Resp: 371619

Ion Ratio Lower Upper

114 100

63 18.6 15.8 23.6

88 14.9 11.6 17.4



#29

1,1-Dichloropropene

Concen: 18.331 ug/l

RT: 8.151 min Scan# 1065

Delta R.T. 0.000 min

Lab File: VN074079.D

Acq: 23 Aug 2022 19:43

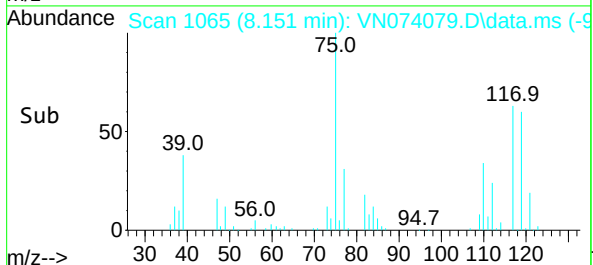
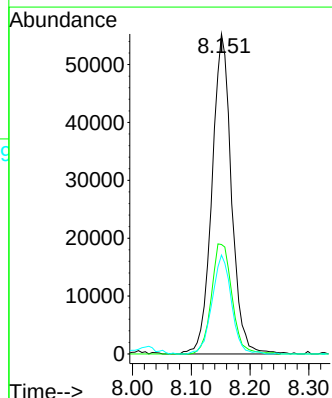
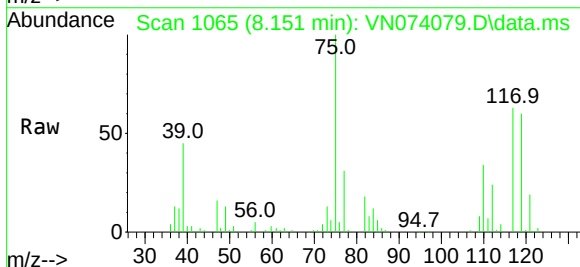
Tgt Ion: 75 Resp: 127288

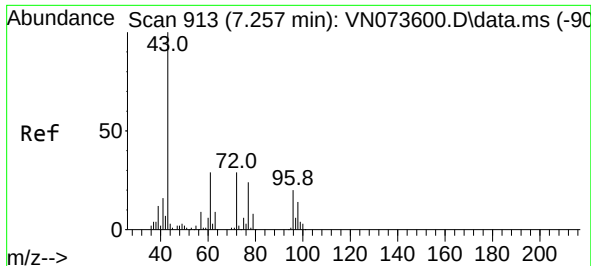
Ion Ratio Lower Upper

75 100

110 36.2 0.0 74.2

77 30.4 0.0 63.2

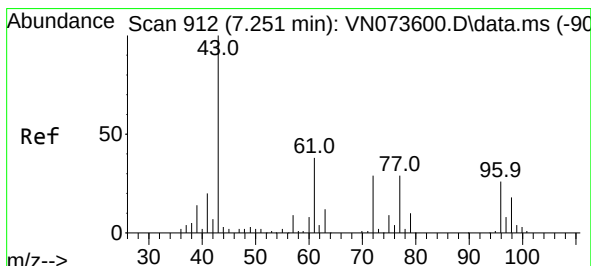
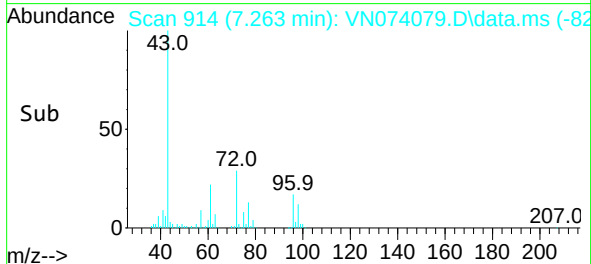
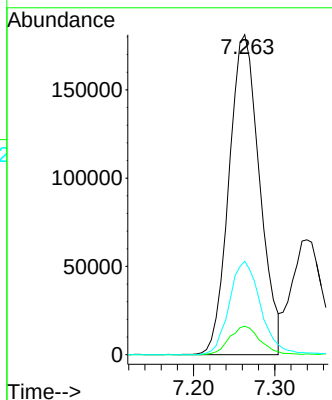
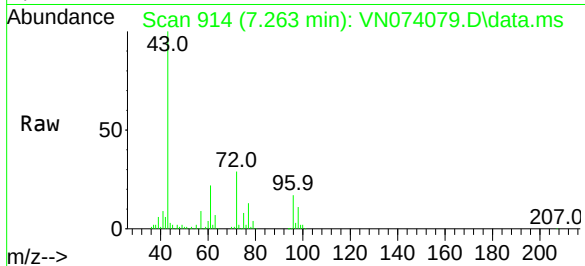




#30  
2-Butanone  
Concen: 99.068 ug/l  
RT: 7.263 min Scan# 913  
Delta R.T. 0.006 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

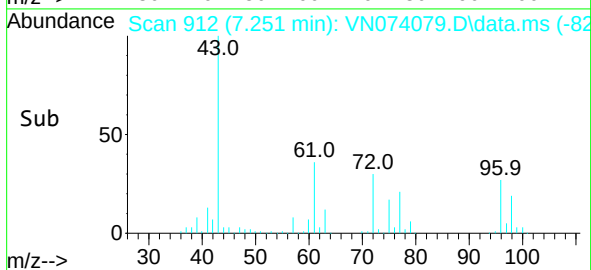
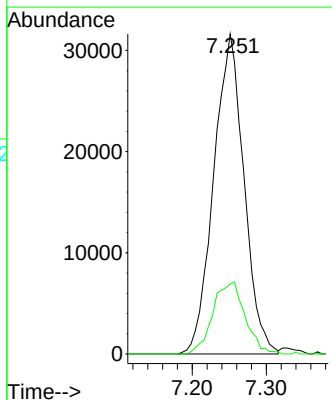
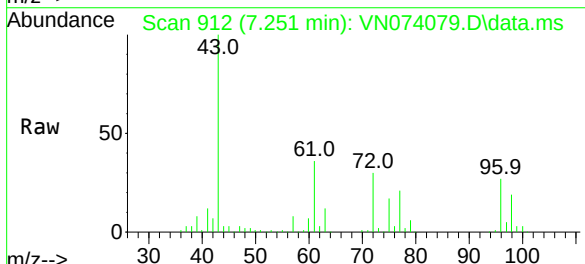
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0823WBSD02

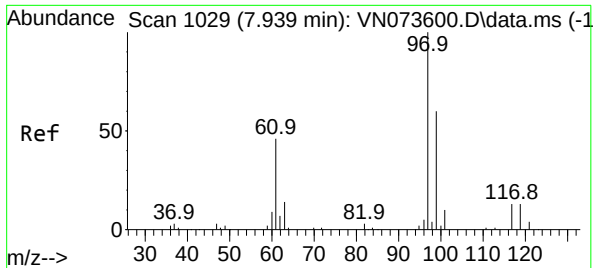
Tgt Ion: 43 Resp: 475532  
Ion Ratio Lower Upper  
43 100  
57 8.8 6.7 10.1  
72 30.2 23.2 34.8



#31  
2,2-Dichloropropane  
Concen: 12.384 ug/l  
RT: 7.251 min Scan# 912  
Delta R.T. 0.000 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

Tgt Ion: 77 Resp: 89726  
Ion Ratio Lower Upper  
77 100  
97 23.8 18.3 27.5





#32

1,1,1-Trichloroethane

Concen: 19.104 ug/l

RT: 7.945 min Scan# 1030

Delta R.T. 0.006 min

Lab File: VN074079.D

Acq: 23 Aug 2022 19:43

Instrument :

MSVOA\_N

ClientSampleId :

VN0823WBSD02

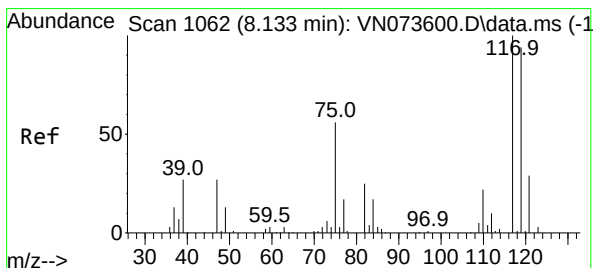
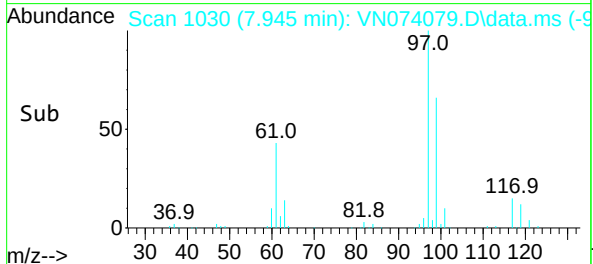
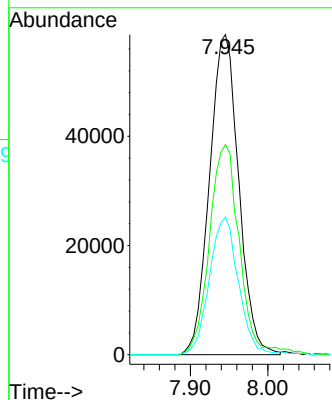
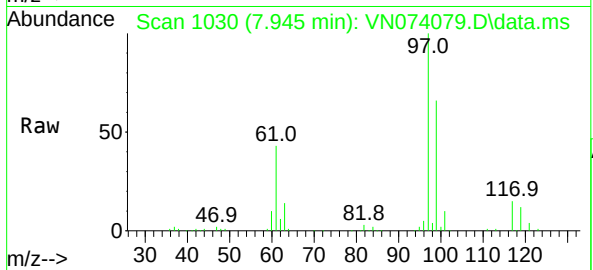
Tgt Ion: 97 Resp: 153540

Ion Ratio Lower Upper

97 100

99 65.3 50.4 75.6

61 42.6 34.6 51.8



#33

Carbon Tetrachloride

Concen: 19.277 ug/l

RT: 8.134 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VN074079.D

Acq: 23 Aug 2022 19:43

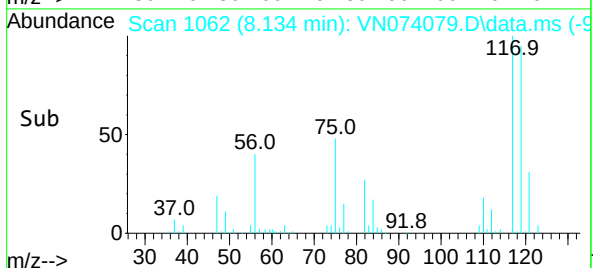
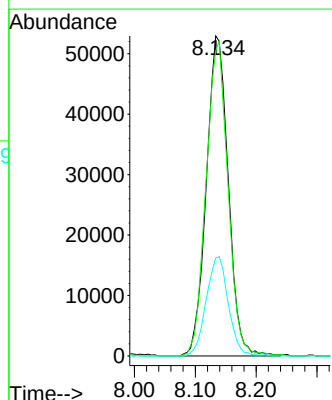
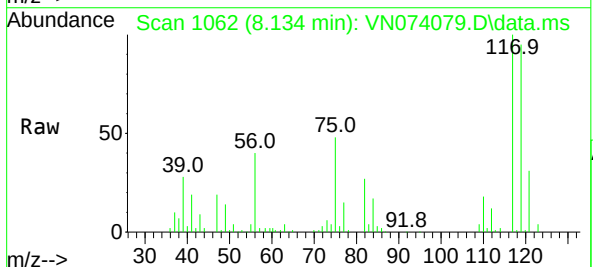
Tgt Ion: 117 Resp: 132848

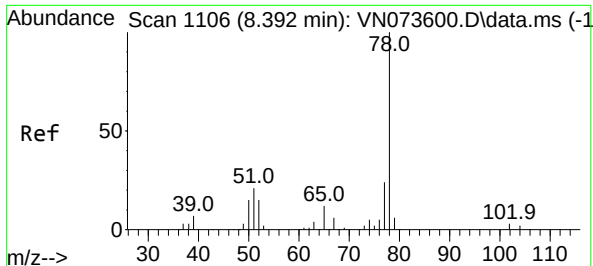
Ion Ratio Lower Upper

117 100

119 95.4 77.5 116.3

121 30.7 23.5 35.3

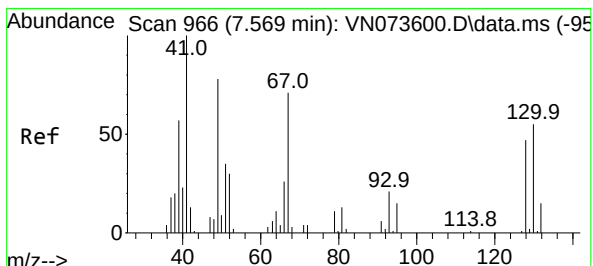
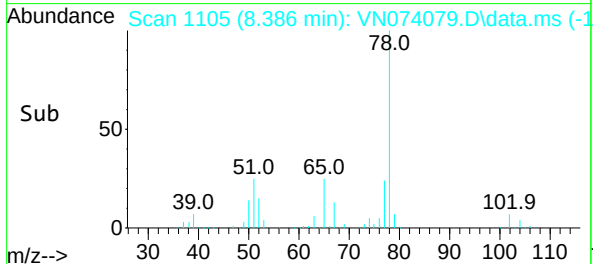
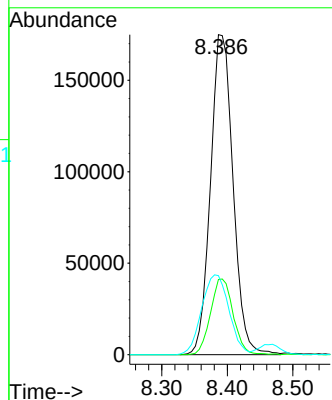
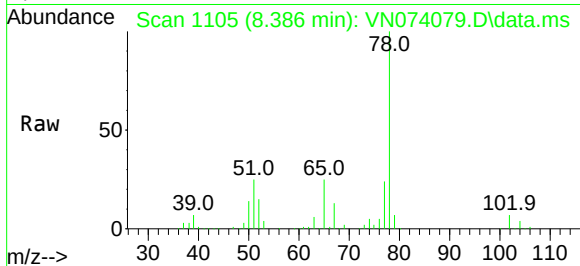




#34  
Benzene  
Concen: 18.606 ug/l  
RT: 8.386 min Scan# 1105  
Delta R.T. -0.006 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

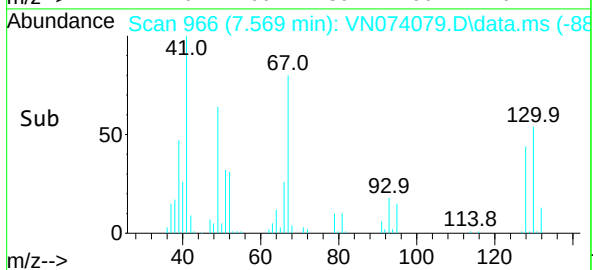
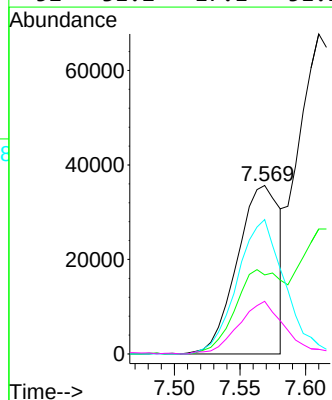
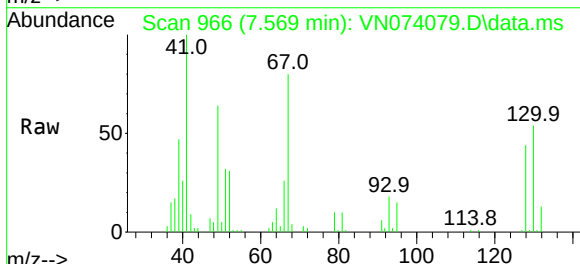
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0823WBSD02

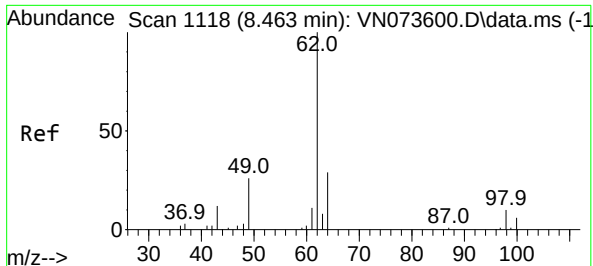
Tgt Ion: 78 Resp: 418078  
Ion Ratio Lower Upper  
78 100  
77 23.5 19.1 28.7  
51 24.5 16.0 24.0#



#35  
Methacrylonitrile  
Concen: 20.530 ug/l  
RT: 7.569 min Scan# 966  
Delta R.T. 0.000 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

Tgt Ion: 41 Resp: 79993  
Ion Ratio Lower Upper  
41 100  
39 46.9 28.0 83.9  
67 79.7 37.7 113.1  
52 31.2 17.1 51.2





#36

1,2-Dichloroethane

Concen: 18.986 ug/l

RT: 8.463 min Scan# 1118

Delta R.T. 0.000 min

Lab File: VN074079.D

Acq: 23 Aug 2022 19:43

Instrument :

MSVOA\_N

ClientSampleId :

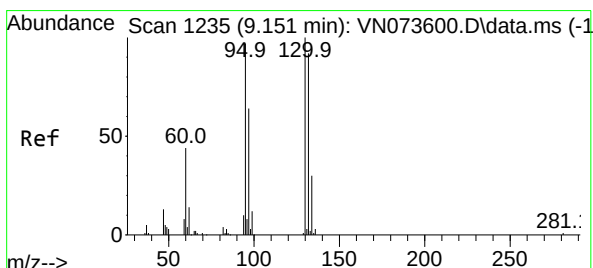
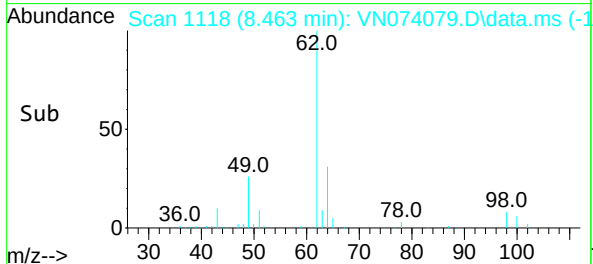
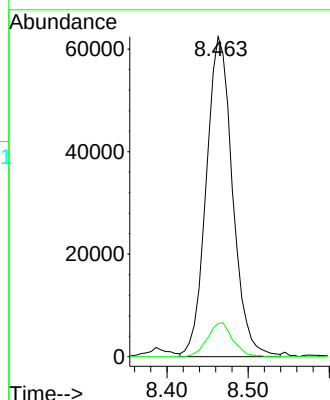
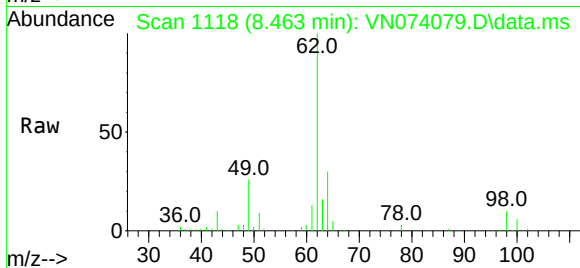
VN0823WBSD02

Tgt Ion: 62 Resp: 140675

Ion Ratio Lower Upper

62 100

98 10.2 6.6 10.0#



#37

Trichloroethene

Concen: 18.502 ug/l

RT: 9.151 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VN074079.D

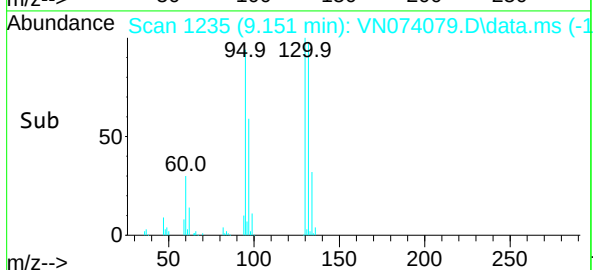
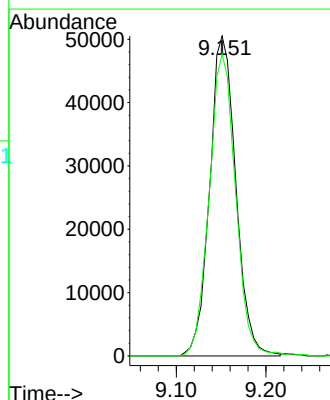
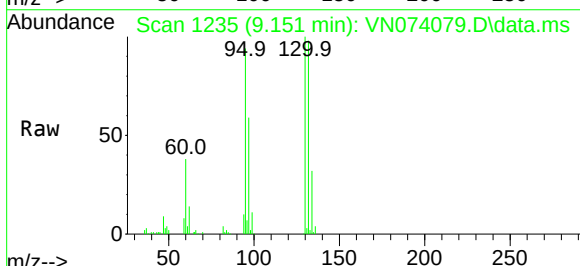
Acq: 23 Aug 2022 19:43

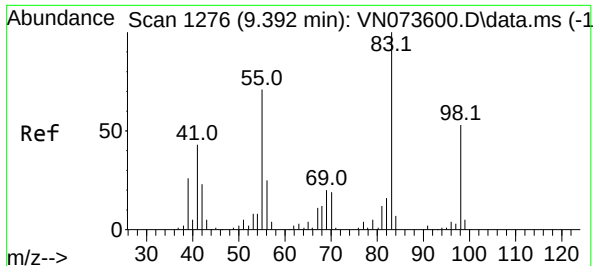
Tgt Ion:130 Resp: 102277

Ion Ratio Lower Upper

130 100

95 94.4 76.6 115.0





#38

Methylcyclohexane

Concen: 16.685 ug/l

RT: 9.398 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN074079.D

Acq: 23 Aug 2022 19:43

Instrument :

MSVOA\_N

ClientSampleId :

VN0823WBSD02

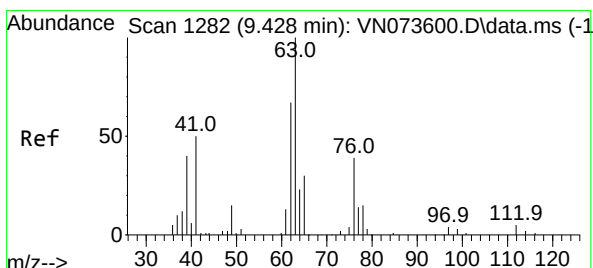
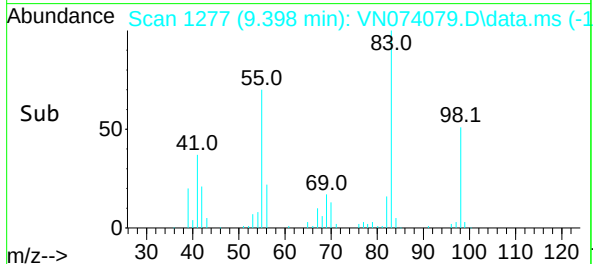
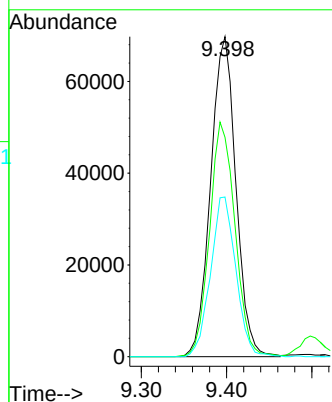
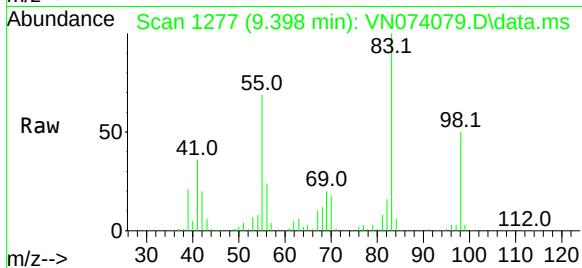
Tgt Ion: 83 Resp: 143821

Ion Ratio Lower Upper

83 100

55 73.8 35.1 105.3

98 50.0 23.4 70.2



#39

1,2-Dichloropropane

Concen: 18.860 ug/l

RT: 9.428 min Scan# 1282

Delta R.T. 0.000 min

Lab File: VN074079.D

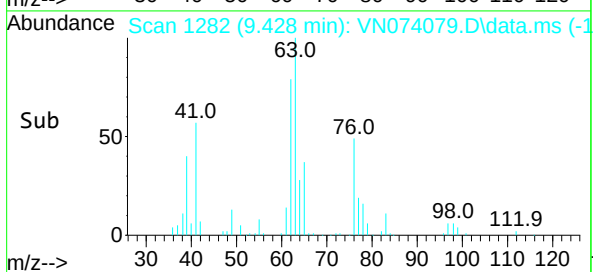
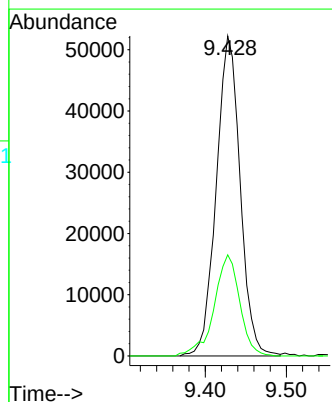
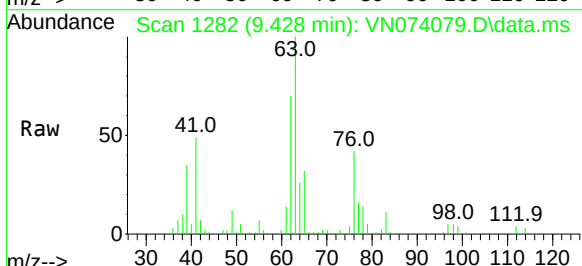
Acq: 23 Aug 2022 19:43

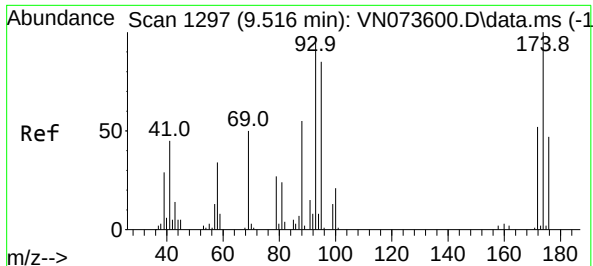
Tgt Ion: 63 Resp: 106909

Ion Ratio Lower Upper

63 100

65 31.6 24.2 36.4





#40

Dibromomethane

Concen: 19.384 ug/l

RT: 9.516 min Scan# 1297

Delta R.T. 0.000 min

Lab File: VN074079.D

Acq: 23 Aug 2022 19:43

Instrument :

MSVOA\_N

ClientSampleId :

VN0823WBSD02

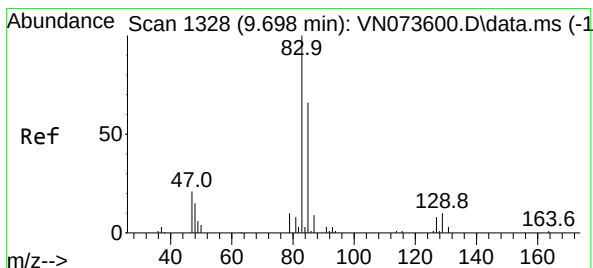
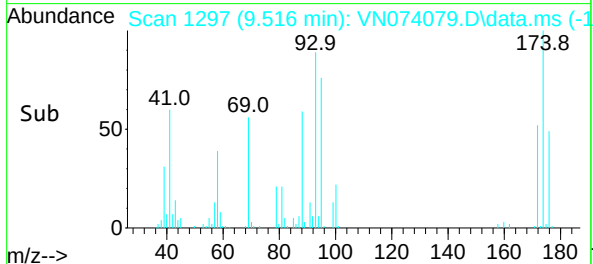
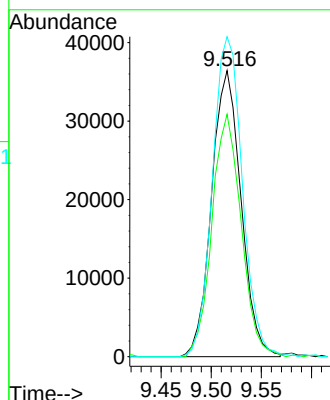
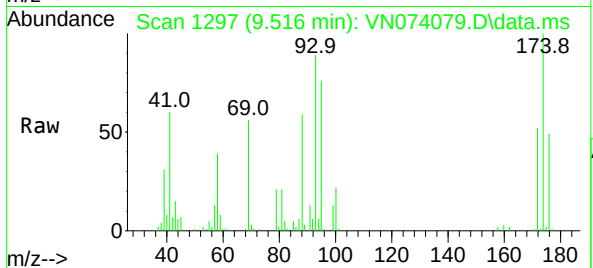
Tgt Ion: 93 Resp: 74560

Ion Ratio Lower Upper

93 100

95 83.7 0.0 168.8

174 113.3 0.0 173.6



#41

Bromodichloromethane

Concen: 18.757 ug/l

RT: 9.698 min Scan# 1328

Delta R.T. 0.000 min

Lab File: VN074079.D

Acq: 23 Aug 2022 19:43

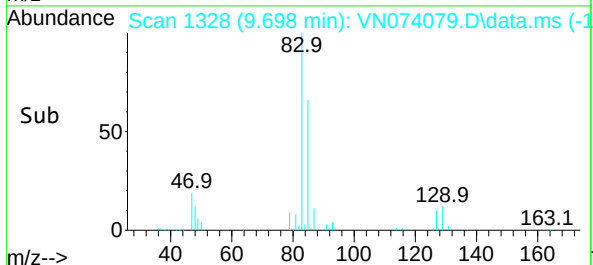
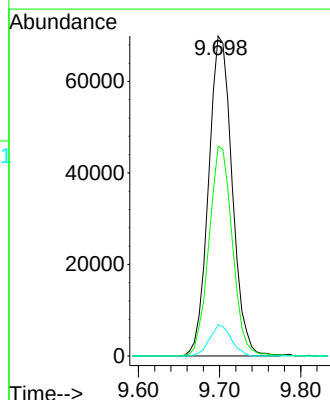
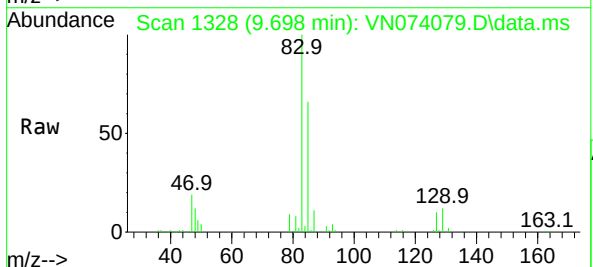
Tgt Ion: 83 Resp: 141230

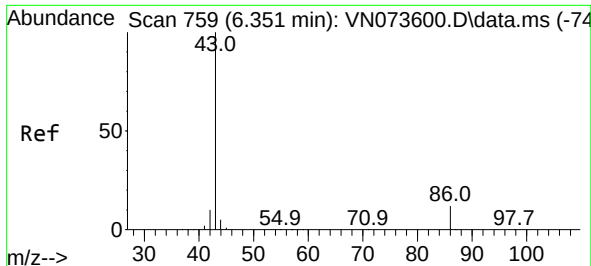
Ion Ratio Lower Upper

83 100

85 65.5 54.1 81.1

127 10.6 7.6 11.4

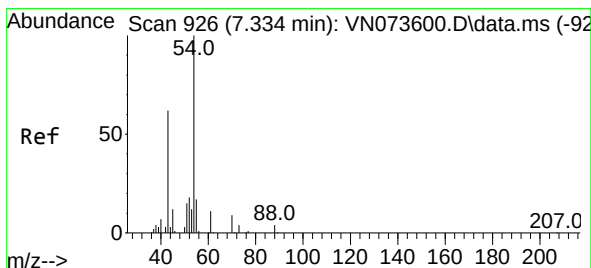
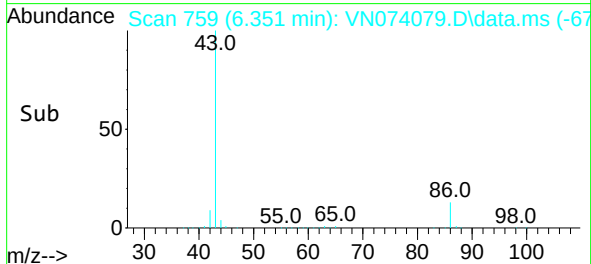
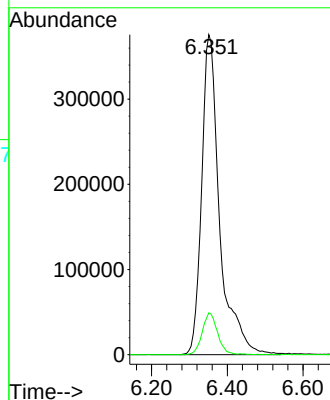
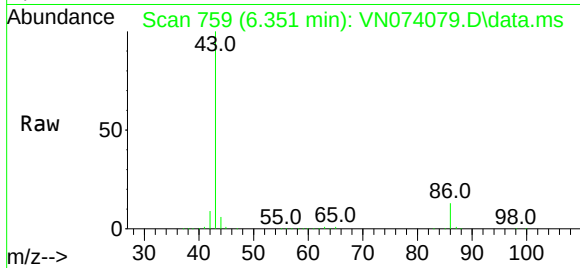




#42  
 Vinyl Acetate  
 Concen: 89.613 ug/l  
 RT: 6.351 min Scan# 71  
 Delta R.T. 0.000 min  
 Lab File: VN074079.D  
 Acq: 23 Aug 2022 19:43

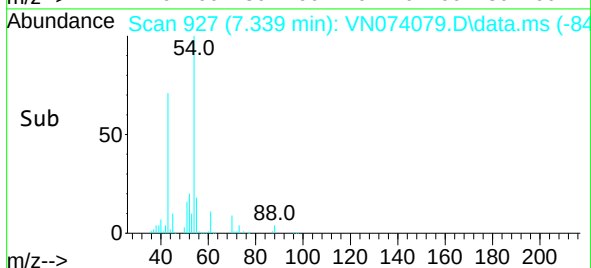
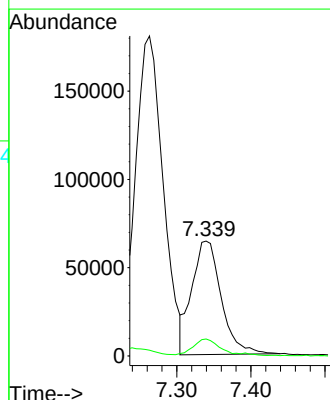
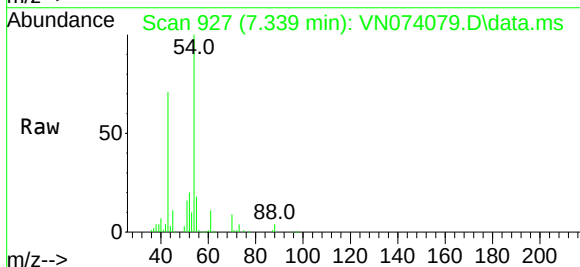
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0823WBSD02

Tgt Ion: 43 Resp: 1239492  
 Ion Ratio Lower Upper  
 43 100  
 86 11.1 7.5 11.3

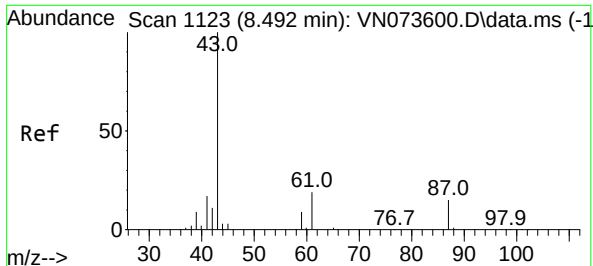


#43  
 Ethyl Acetate  
 Concen: 19.531 ug/l  
 RT: 7.339 min Scan# 927  
 Delta R.T. 0.006 min  
 Lab File: VN074079.D  
 Acq: 23 Aug 2022 19:43

Tgt Ion: 43 Resp: 177976  
 Ion Ratio Lower Upper  
 43 100  
 45 13.3 10.6 16.0



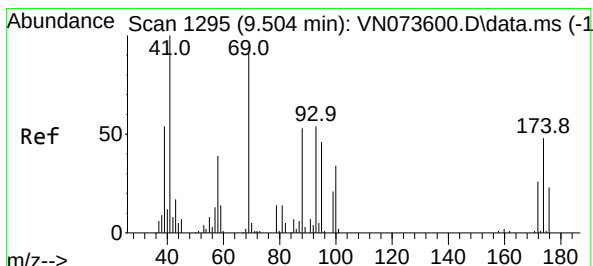
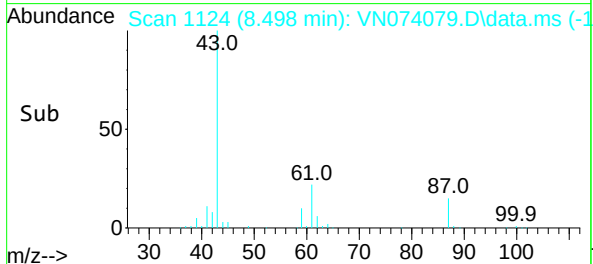
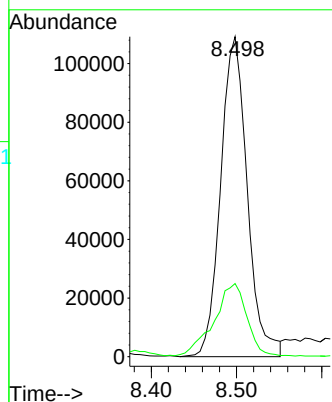
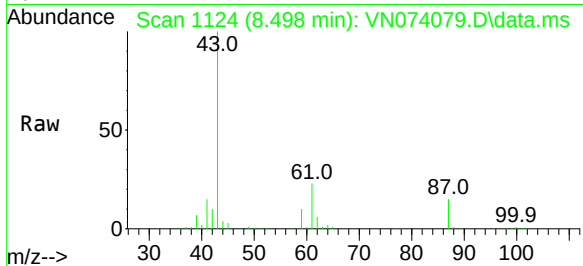




#44  
Isopropyl Acetate  
Concen: 18.724 ug/l  
RT: 8.498 min Scan# 1124  
Delta R.T. 0.006 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

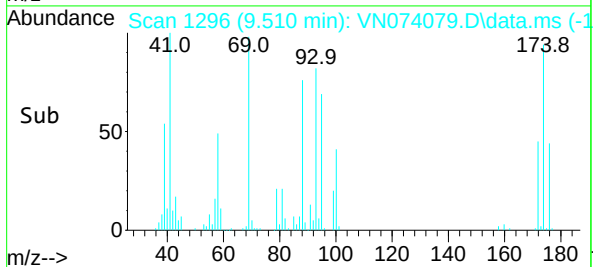
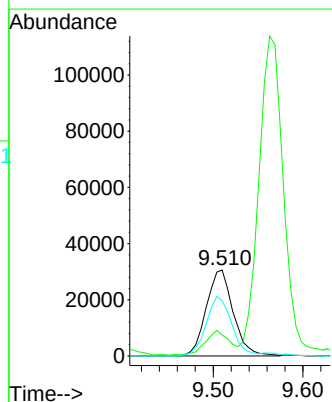
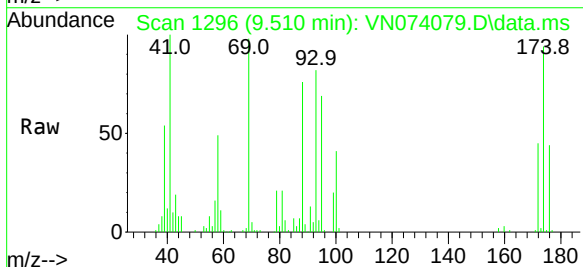
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0823WBSD02

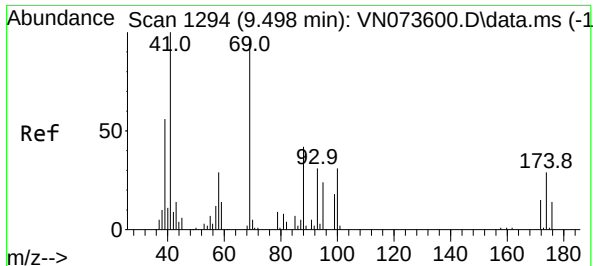
Tgt Ion: 43 Resp: 237275  
Ion Ratio Lower Upper  
43 100  
61 27.6 20.1 30.1



#45  
1,4-Dioxane  
Concen: 421.823 ug/l  
RT: 9.510 min Scan# 1296  
Delta R.T. 0.006 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

Tgt Ion: 88 Resp: 63737  
Ion Ratio Lower Upper  
88 100  
43 25.8 25.0 37.6  
58 65.4 49.4 74.2

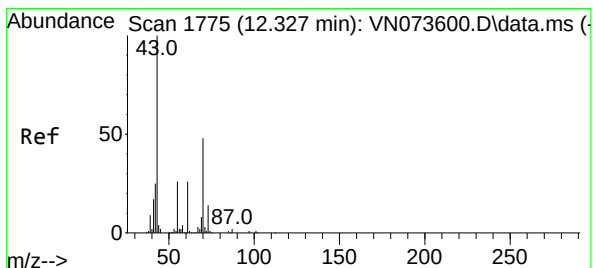
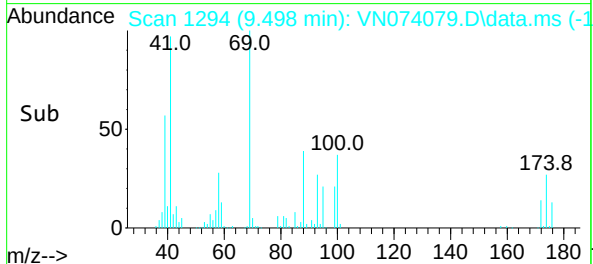
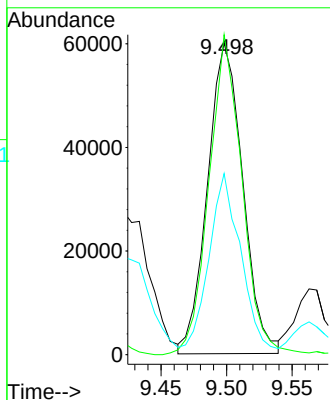
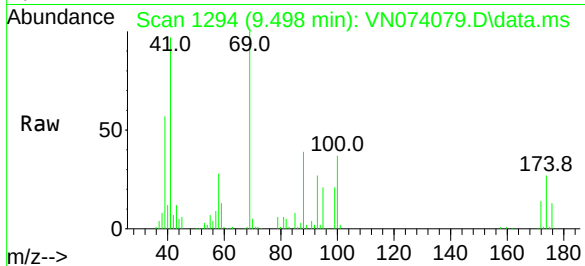




#46  
Methyl methacrylate  
Concen: 19.781 ug/l  
RT: 9.498 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

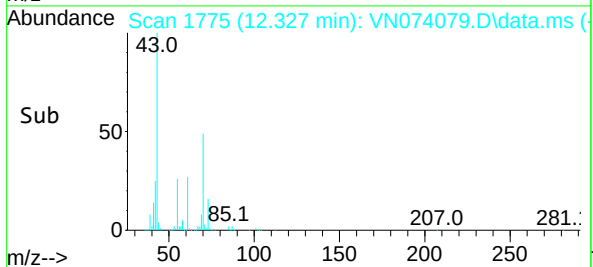
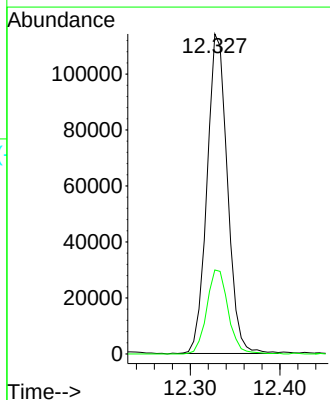
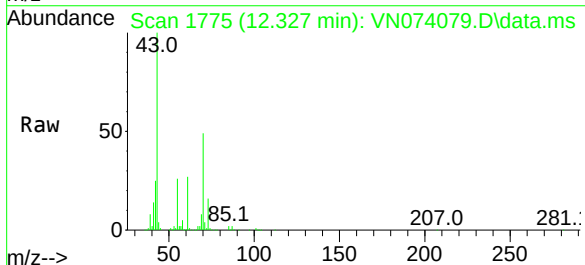
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ClientSampleId :  
VN0823WBSD02

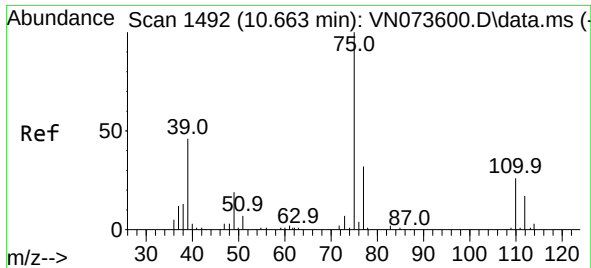
Tgt Ion: 41 Resp: 112095  
Ion Ratio Lower Upper  
41 100  
69 104.7 44.4 133.2  
39 58.1 39.9 119.6



#47  
n-amy1 Acetate  
Concen: 17.844 ug/l  
RT: 12.327 min Scan# 1775  
Delta R.T. 0.000 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

Tgt Ion: 43 Resp: 180270  
Ion Ratio Lower Upper  
43 100  
55 27.5 19.0 28.6

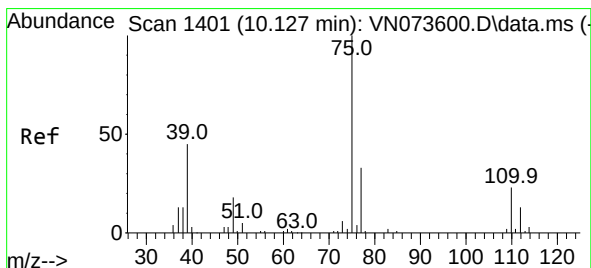
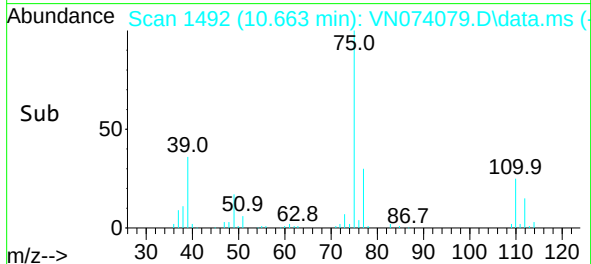
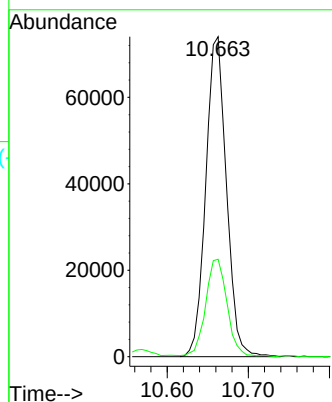
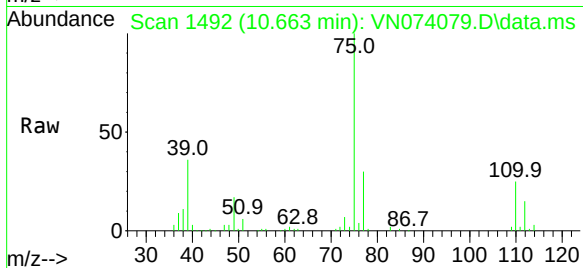




#48  
 t-1,3-Dichloropropene  
 Concen: 16.871 ug/l  
 RT: 10.663 min Scan# 1492  
 Delta R.T. 0.000 min  
 Lab File: VN074079.D  
 Acq: 23 Aug 2022 19:43

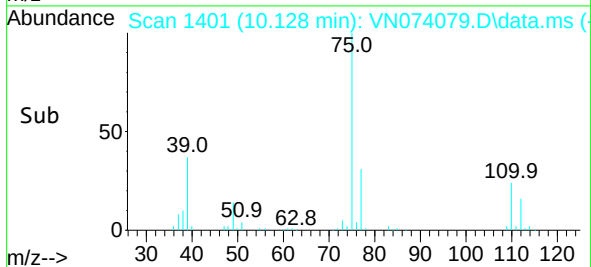
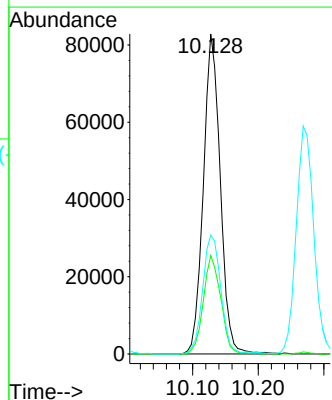
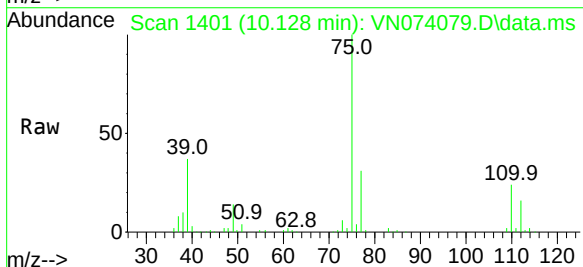
Instrument :  
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 ClientSampleId :  
 VN0823WBSD02

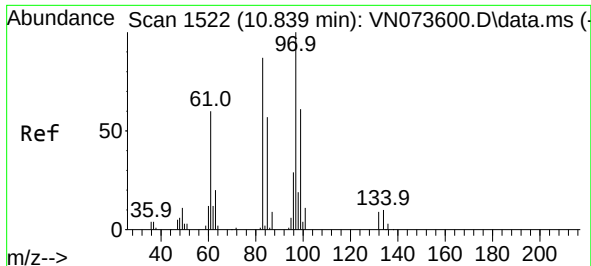
Tgt Ion: 75 Resp: 130779  
 Ion Ratio Lower Upper  
 75 100  
 77 30.2 25.3 37.9



#49  
 cis-1,3-Dichloropropene  
 Concen: 17.311 ug/l  
 RT: 10.128 min Scan# 1401  
 Delta R.T. 0.000 min  
 Lab File: VN074079.D  
 Acq: 23 Aug 2022 19:43

Tgt Ion: 75 Resp: 149000  
 Ion Ratio Lower Upper  
 75 100  
 77 30.8 25.3 37.9  
 39 37.2 46.2 69.4#

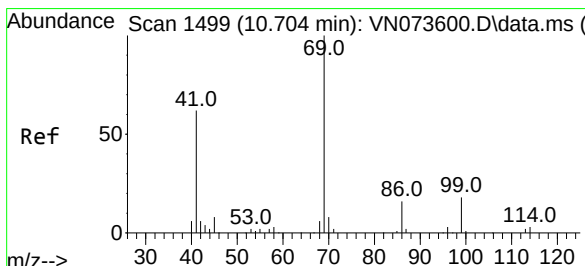
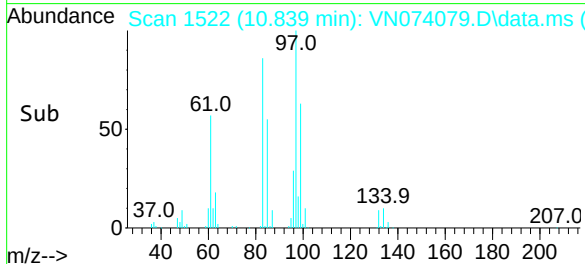
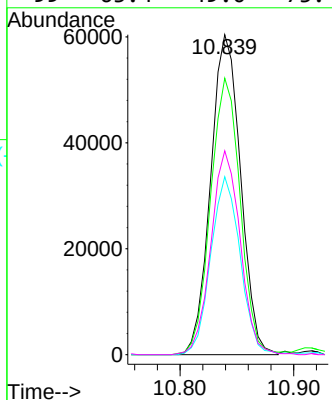
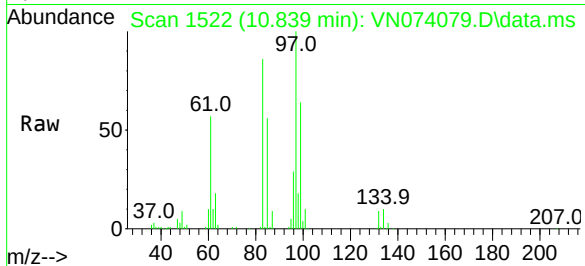




#50  
1,1,2-Trichloroethane  
Concen: 19.175 ug/l  
RT: 10.839 min Scan# 1522  
Delta R.T. 0.000 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

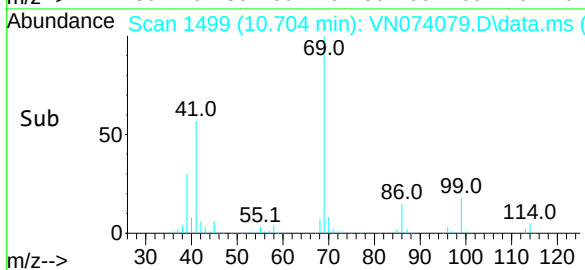
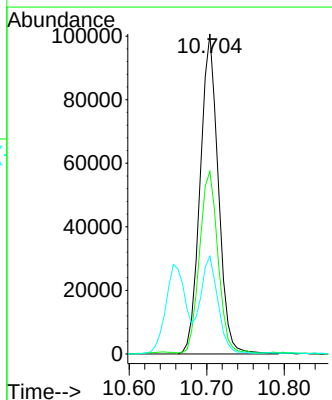
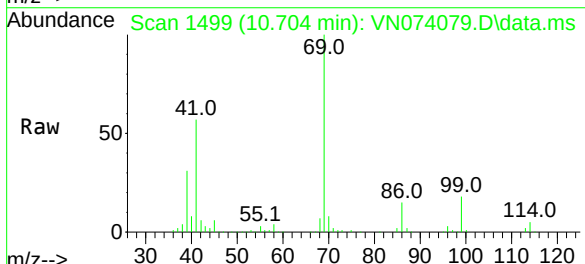
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0823WBSD02

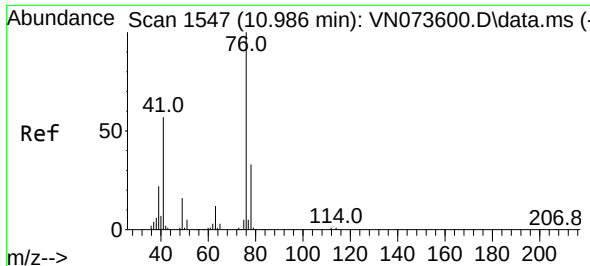
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 110656 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 86.0  | 67.2  | 100.8  |
| 85       | 55.6  | 43.0  | 64.4   |
| 99       | 63.4  | 49.0  | 73.4   |



#51  
Ethyl methacrylate  
Concen: 18.858 ug/l  
RT: 10.704 min Scan# 1499  
Delta R.T. 0.000 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 163605 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 56.7  | 33.0  | 98.9   |
| 39       | 30.2  | 25.4  | 76.4   |

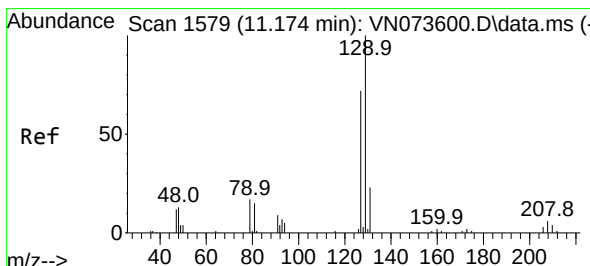
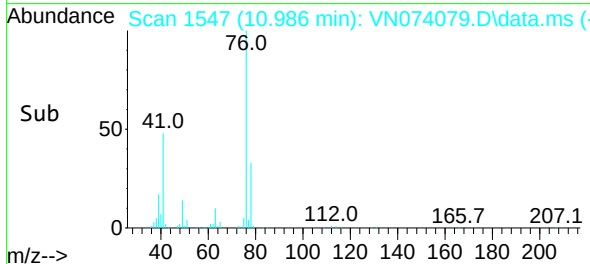
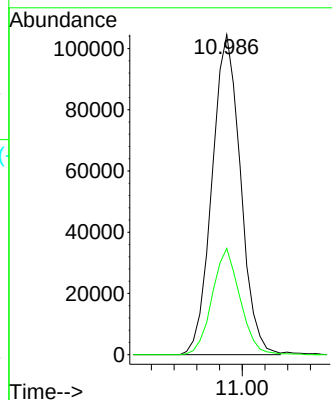
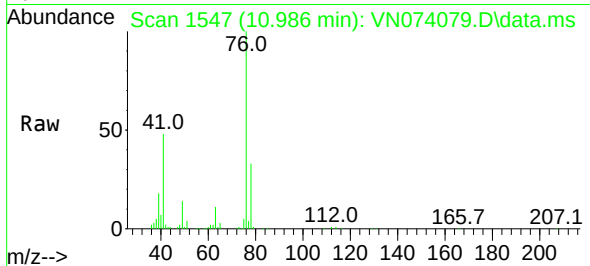




#52  
1,3-Dichloropropane  
Concen: 18.708 ug/l  
RT: 10.986 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

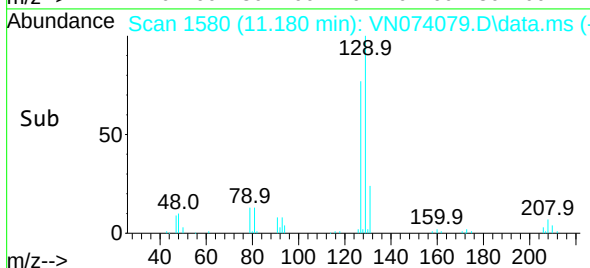
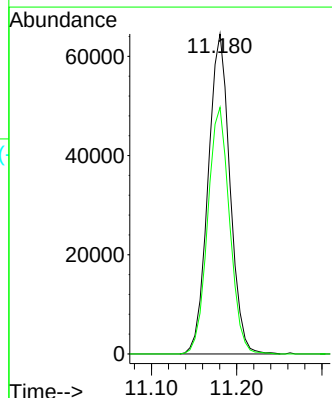
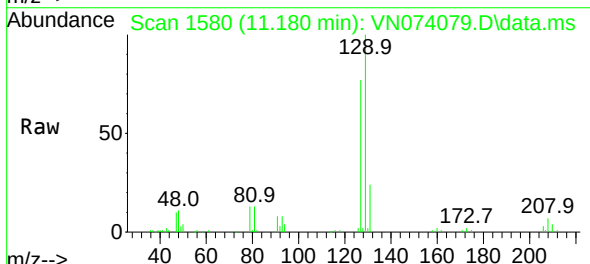
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0823WBSD02

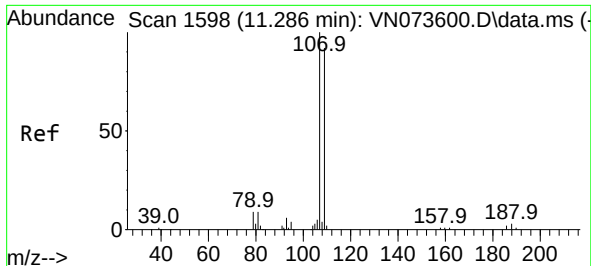
Tgt Ion: 76 Resp: 181965  
Ion Ratio Lower Upper  
76 100  
78 32.4 0.0 65.4



#53  
Dibromochloromethane  
Concen: 19.635 ug/l  
RT: 11.180 min Scan# 1580  
Delta R.T. 0.006 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

Tgt Ion: 129 Resp: 114830  
Ion Ratio Lower Upper  
129 100  
127 77.2 39.0 117.0

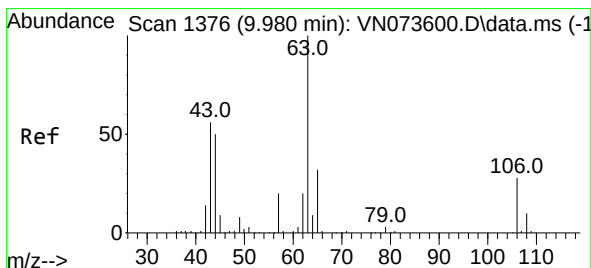
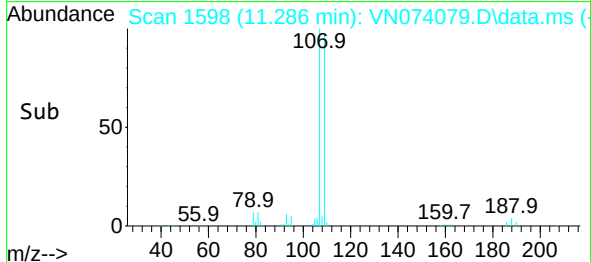
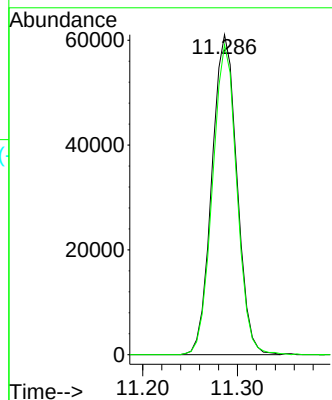
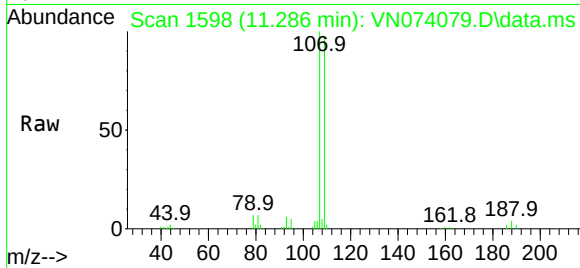




#54  
1,2-Dibromoethane  
Concen: 19.061 ug/l  
RT: 11.286 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

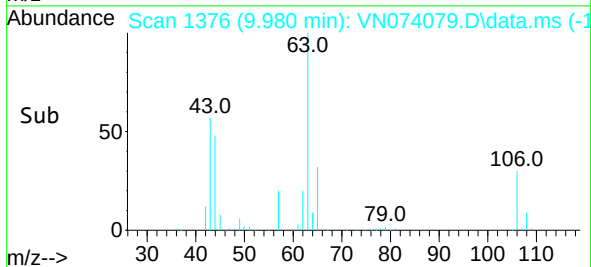
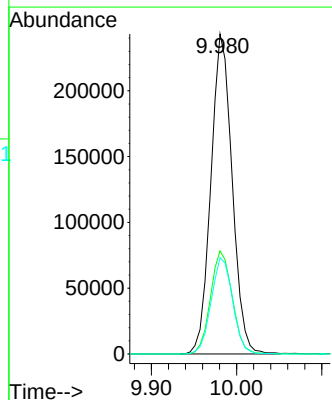
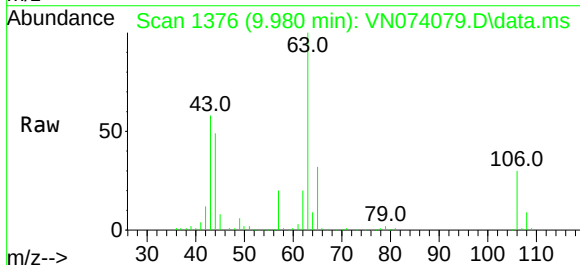
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0823WBSD02

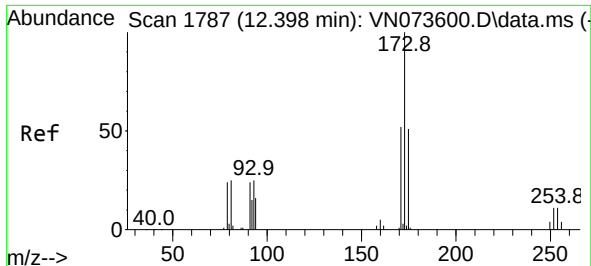
Tgt Ion:107 Resp: 112097  
Ion Ratio Lower Upper  
107 100  
109 94.4 72.8 109.2



#55  
2-Chloroethyl vinyl ether  
Concen: 108.154 ug/l  
RT: 9.980 min Scan# 1376  
Delta R.T. 0.000 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

Tgt Ion: 63 Resp: 420848  
Ion Ratio Lower Upper  
63 100  
65 32.8 25.4 38.0  
106 30.4 23.2 34.8

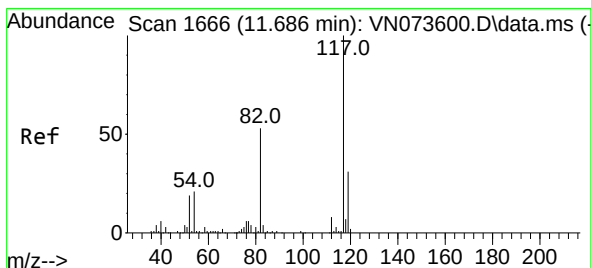
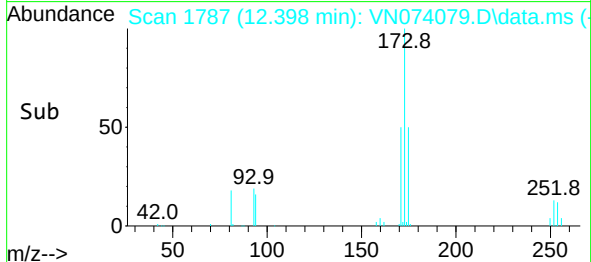
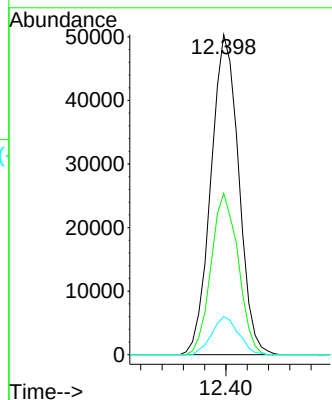
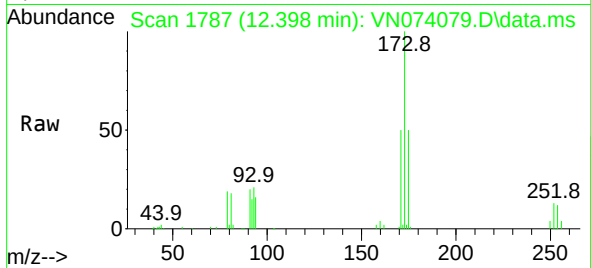




#56  
Bromoform  
Concen: 19.830 ug/l  
RT: 12.398 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

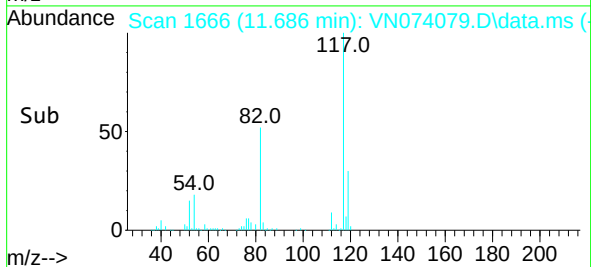
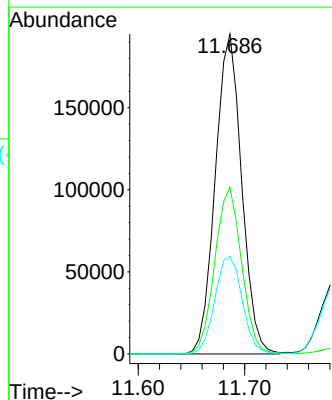
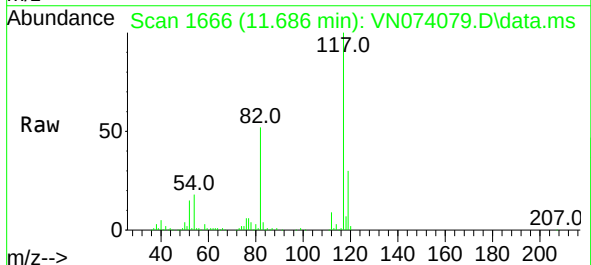
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MSVOA\_N  
ClientSampleId :  
VN0823WBSD02

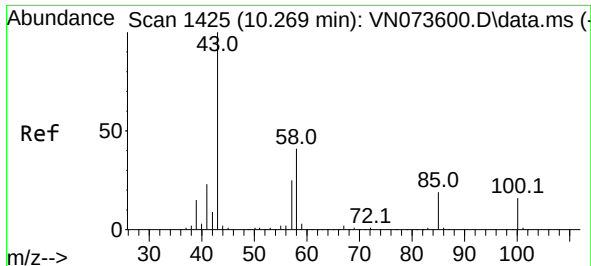
Tgt Ion:173 Resp: 91132  
Ion Ratio Lower Upper  
173 100  
175 49.2 38.6 58.0  
254 11.5 0.0 0.0#



#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.686 min Scan# 1666  
Delta R.T. 0.000 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

Tgt Ion:117 Resp: 334879  
Ion Ratio Lower Upper  
117 100  
82 52.8 43.6 65.4  
119 31.7 25.8 38.6

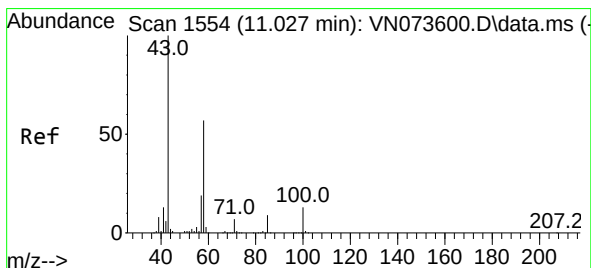
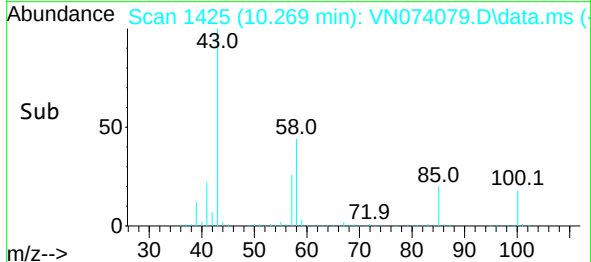
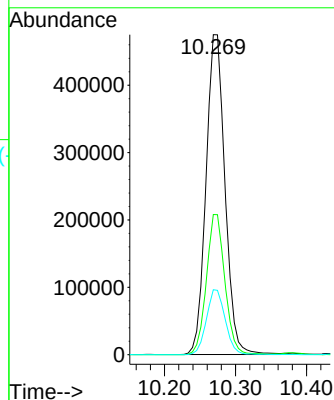
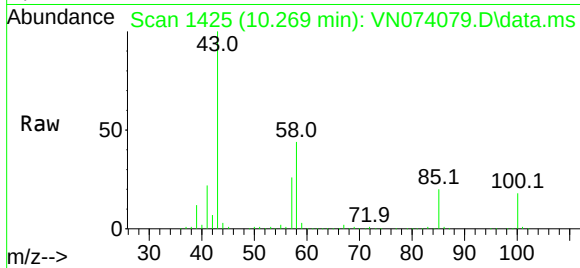




#58  
4-Methyl-2-Pentanone  
Concen: 102.108 ug/l  
RT: 10.269 min Scan# 1425  
Delta R.T. 0.000 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

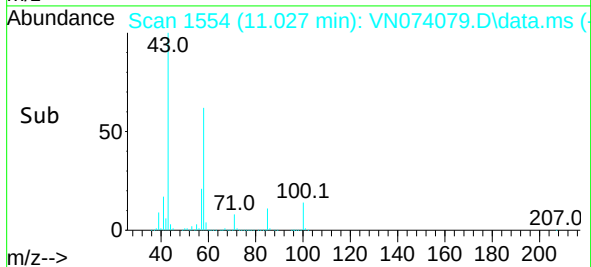
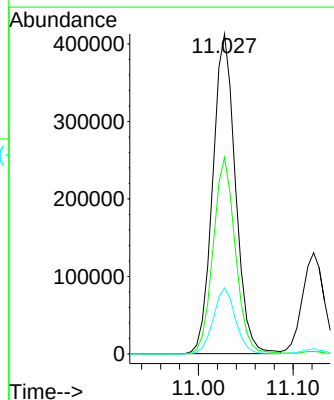
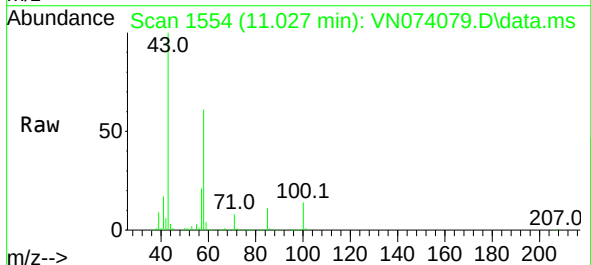
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0823WBSD02

Tgt Ion: 43 Resp: 884155  
Ion Ratio Lower Upper  
43 100  
58 42.7 30.0 45.0  
85 20.0 15.0 22.6

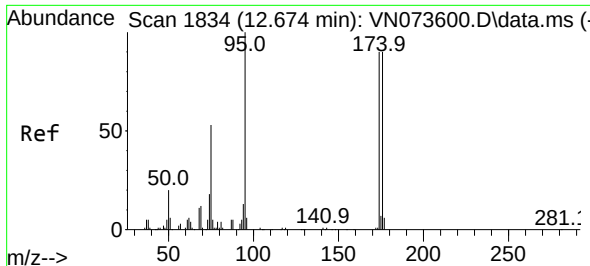


#59  
2-Hexanone  
Concen: 102.965 ug/l  
RT: 11.027 min Scan# 1554  
Delta R.T. 0.000 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

Tgt Ion: 43 Resp: 686725  
Ion Ratio Lower Upper  
43 100  
58 60.2 42.2 63.2  
57 20.3 15.0 22.4



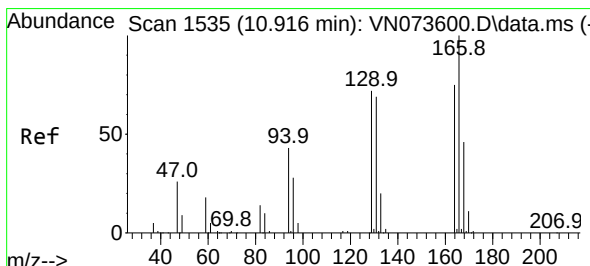
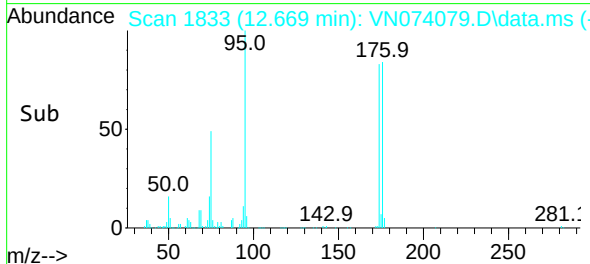
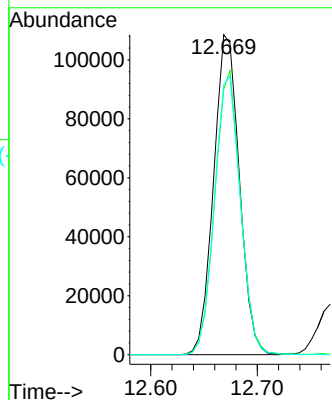
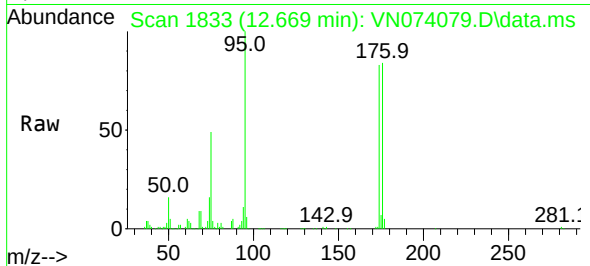




#60  
4-Bromofluorobenzene  
Concen: 30.762 ug/l  
RT: 12.669 min Scan# 1833  
Delta R.T. -0.006 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

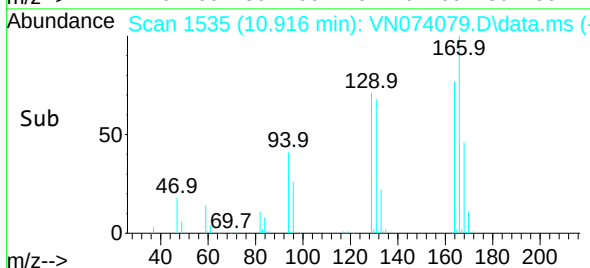
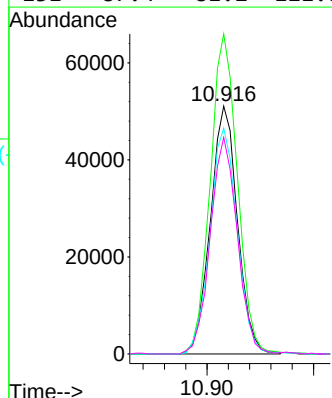
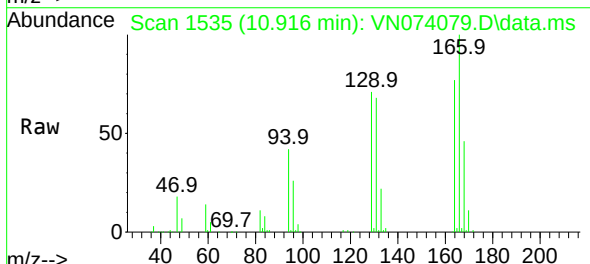
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0823WBSD02

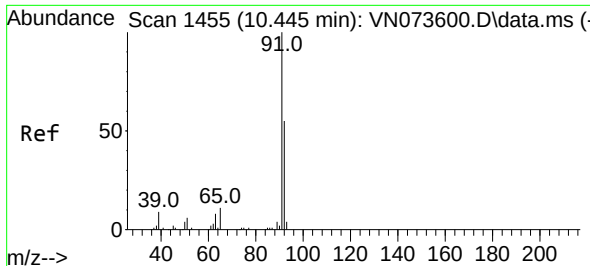
Tgt Ion: 95 Resp: 182403  
Ion Ratio Lower Upper  
95 100  
174 88.3 62.9 94.3  
176 87.2 61.0 91.4



#61  
Tetrachloroethene  
Concen: 17.523 ug/l  
RT: 10.916 min Scan# 1535  
Delta R.T. 0.000 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

Tgt Ion:164 Resp: 89887  
Ion Ratio Lower Upper  
164 100  
166 129.2 105.8 158.8  
129 91.1 82.5 123.7  
131 87.4 81.2 121.8

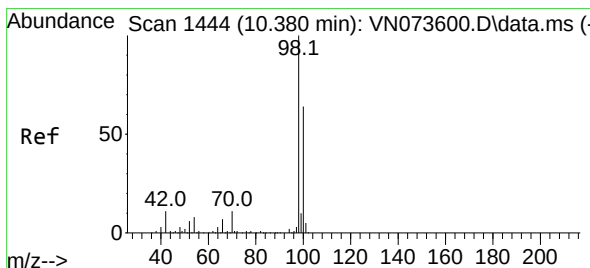
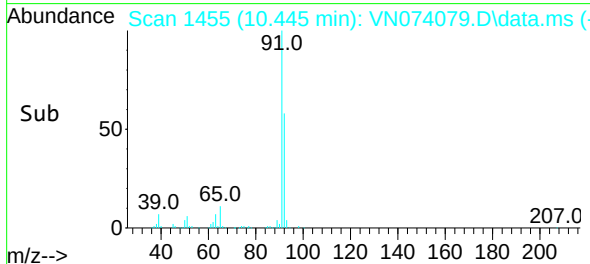
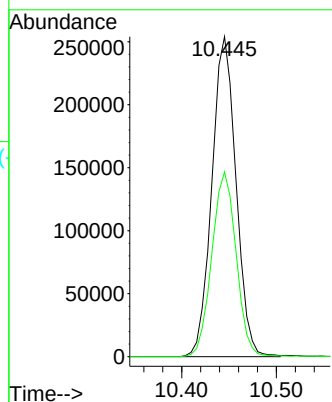
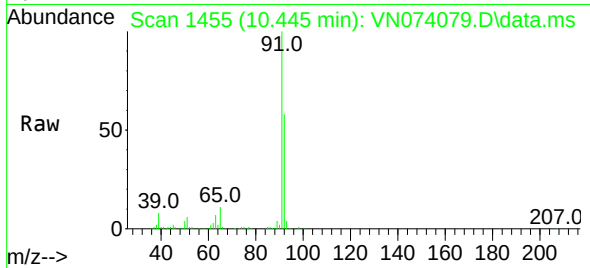




#62  
Toluene  
Concen: 19.319 ug/l  
RT: 10.445 min Scan# 1455  
Delta R.T. 0.000 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

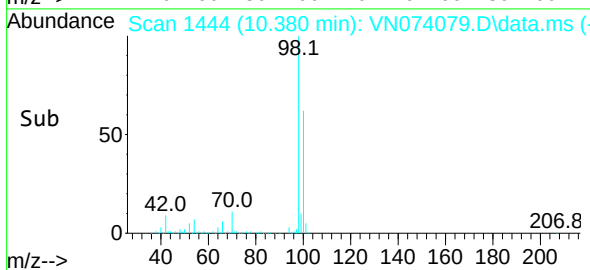
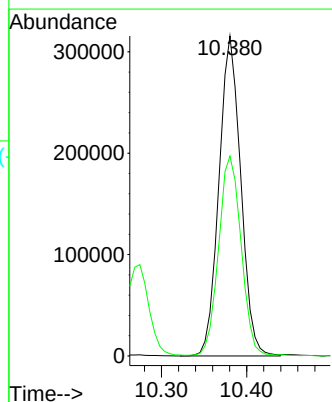
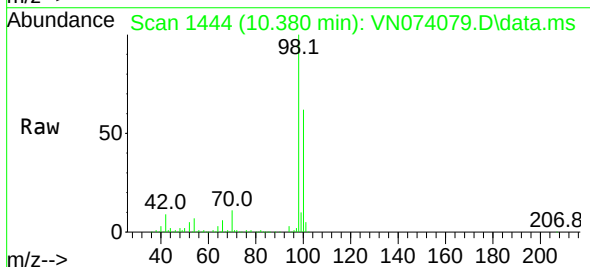
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0823WBSD02

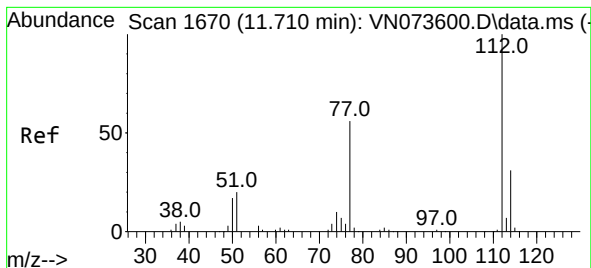
Tgt Ion: 91 Resp: 449894  
Ion Ratio Lower Upper  
91 100  
92 58.2 44.6 67.0



#63  
Toluene-d8  
Concen: 29.804 ug/l  
RT: 10.380 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

Tgt Ion: 98 Resp: 562004  
Ion Ratio Lower Upper  
98 100  
100 64.4 50.6 76.0





#64

Chlorobenzene

Concen: 19.891 ug/l

RT: 11.710 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN074079.D

Acq: 23 Aug 2022 19:43

Instrument :

MSVOA\_N

ClientSampleId :

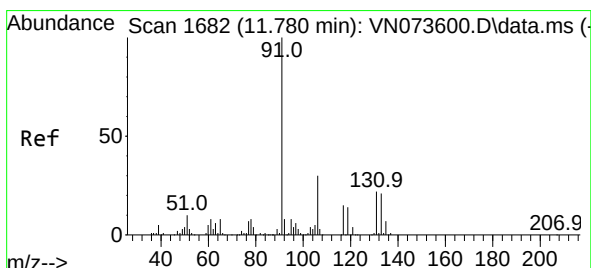
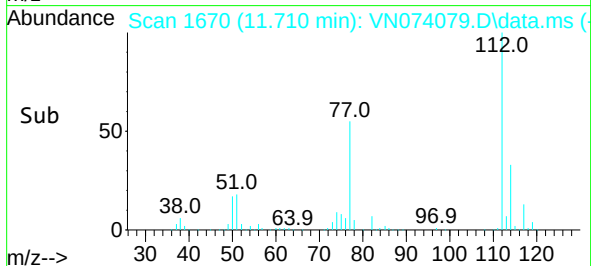
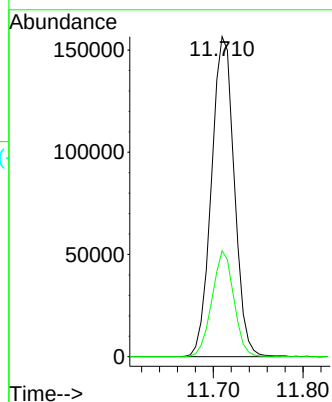
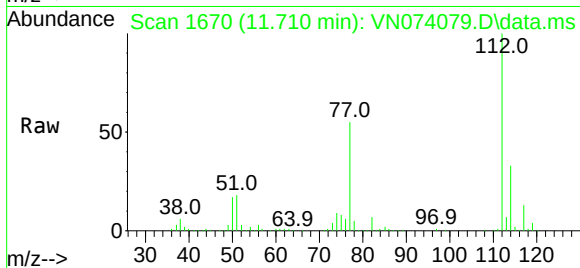
VN0823WBSD02

Tgt Ion:112 Resp: 276757

Ion Ratio Lower Upper

112 100

114 33.1 25.8 38.6



#65

1,1,1,2-Tetrachloroethane

Concen: 20.865 ug/l

RT: 11.780 min Scan# 1682

Delta R.T. 0.000 min

Lab File: VN074079.D

Acq: 23 Aug 2022 19:43

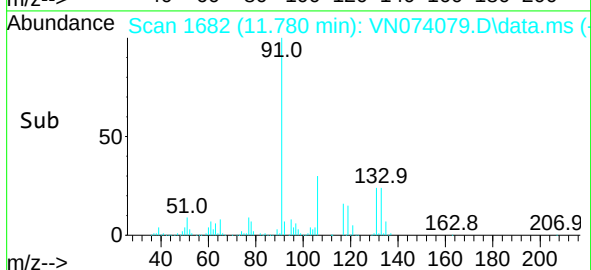
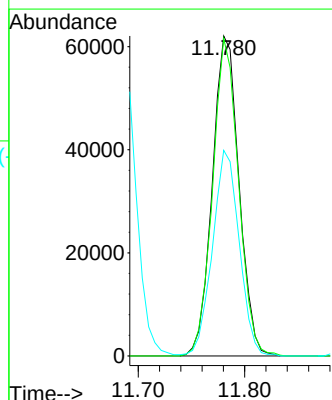
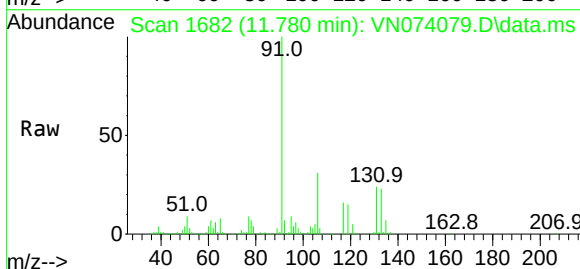
Tgt Ion:131 Resp: 107763

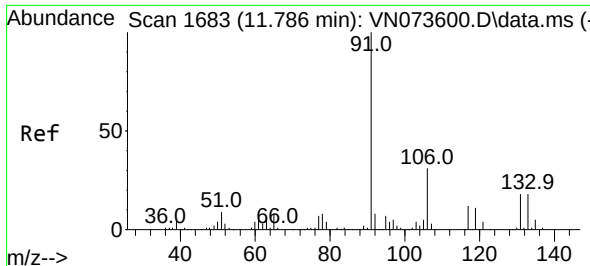
Ion Ratio Lower Upper

131 100

133 96.7 0.0 191.2

119 63.4 0.0 128.8

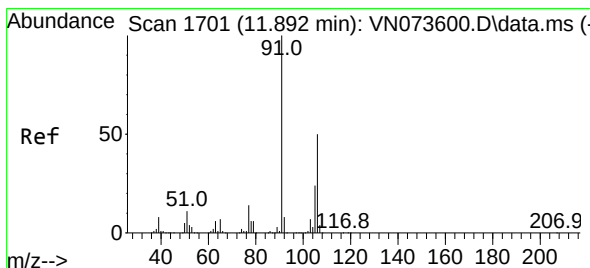
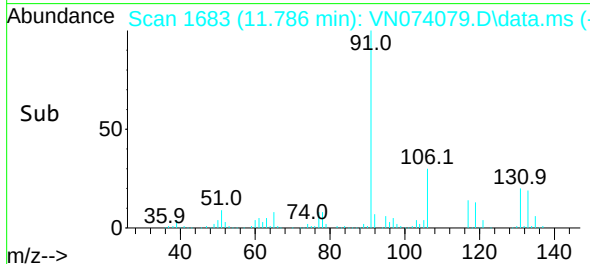
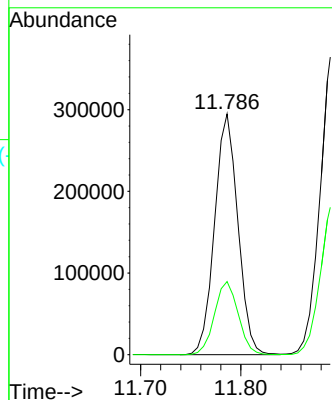
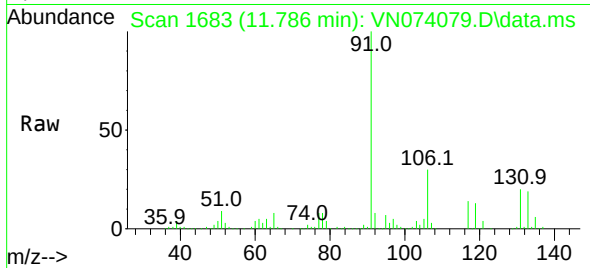




#66  
Ethyl Benzene  
Concen: 19.090 ug/l  
RT: 11.786 min Scan# 1683  
Delta R.T. 0.000 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

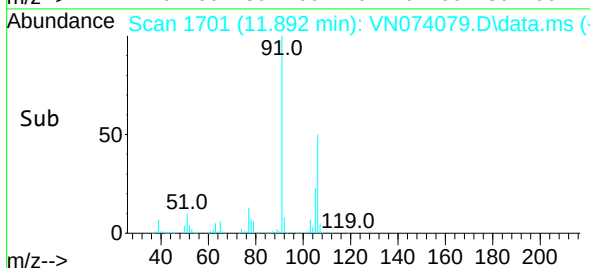
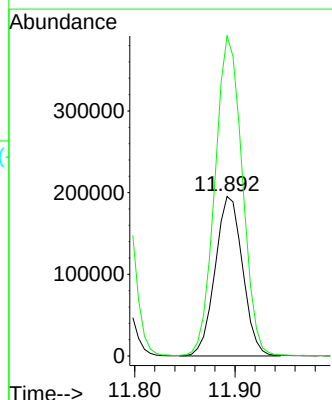
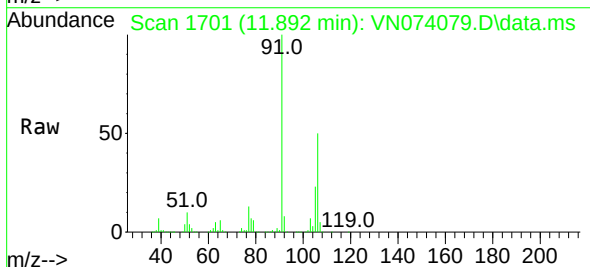
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0823WBSD02

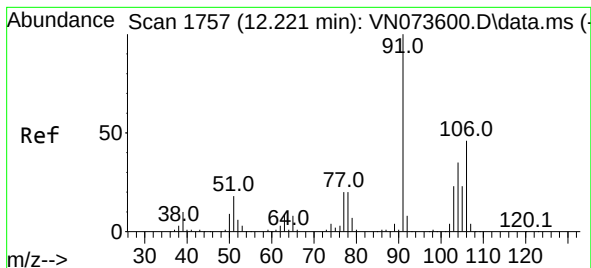
Tgt Ion: 91 Resp: 475265  
Ion Ratio Lower Upper  
91 100  
106 30.4 24.0 36.0



#67  
m/p-Xylenes  
Concen: 39.036 ug/l  
RT: 11.892 min Scan# 1701  
Delta R.T. 0.000 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

Tgt Ion: 106 Resp: 371454  
Ion Ratio Lower Upper  
106 100  
91 200.0 162.9 244.3

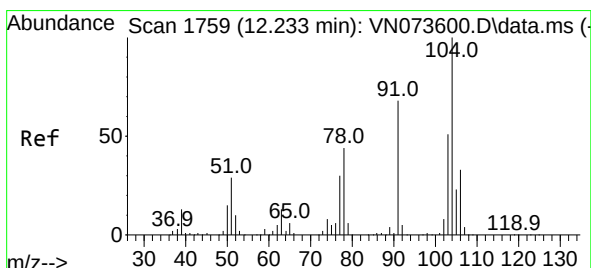
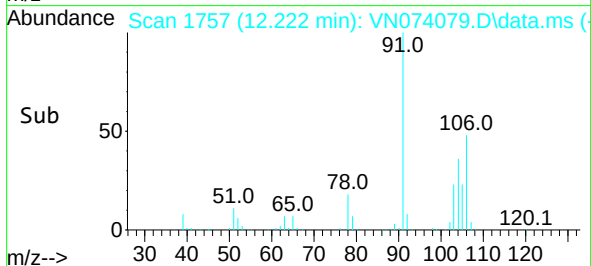
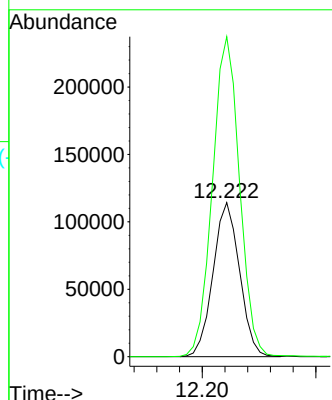
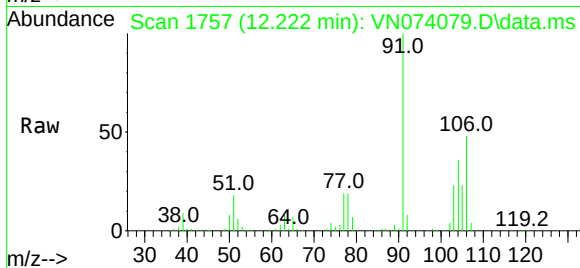




#68  
o-Xylene  
Concen: 19.588 ug/l  
RT: 12.222 min Scan# 1757  
Delta R.T. 0.000 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

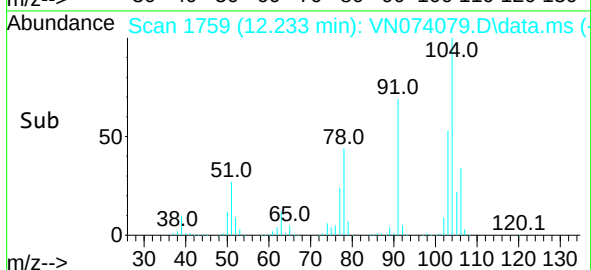
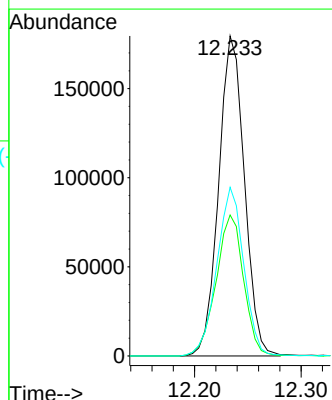
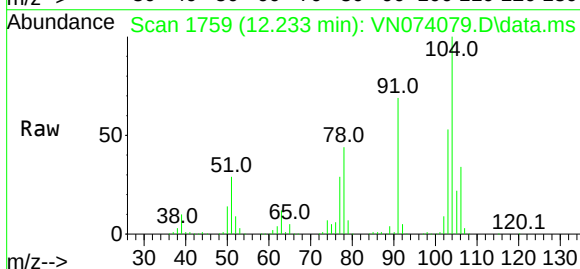
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0823WBSD02

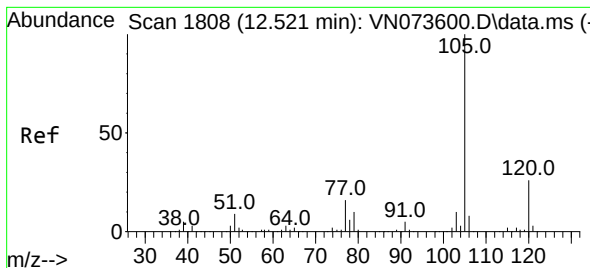
Tgt Ion:106 Resp: 185139  
Ion Ratio Lower Upper  
106 100  
91 212.4 107.7 323.1



#69  
Styrene  
Concen: 19.348 ug/l  
RT: 12.233 min Scan# 1759  
Delta R.T. 0.000 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

Tgt Ion:104 Resp: 301408  
Ion Ratio Lower Upper  
104 100  
78 47.1 40.7 61.1  
103 55.1 45.8 68.8





#70

Isopropylbenzene

Concen: 19.558 ug/l

RT: 12.521 min Scan# 1808

Delta R.T. 0.000 min

Lab File: VN074079.D

Acq: 23 Aug 2022 19:43

Instrument :

MSVOA\_N

ClientSampleId :

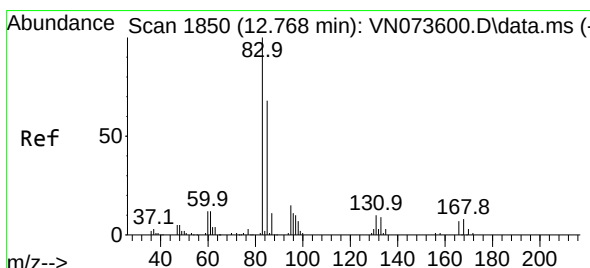
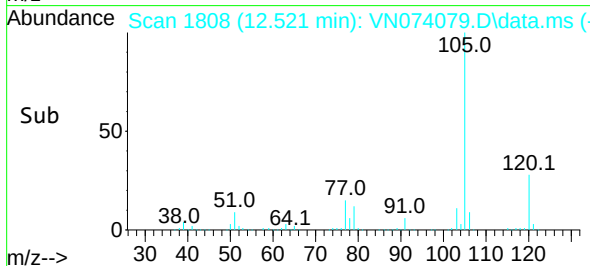
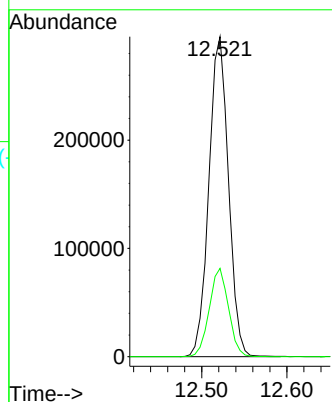
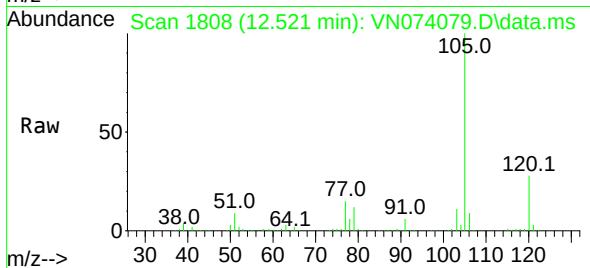
VN0823WBSD02

Tgt Ion:105 Resp: 472613

Ion Ratio Lower Upper

105 100

120 27.1 18.3 34.1



#71

1,1,2,2-Tetrachloroethane

Concen: 21.478 ug/l

RT: 12.769 min Scan# 1850

Delta R.T. 0.000 min

Lab File: VN074079.D

Acq: 23 Aug 2022 19:43

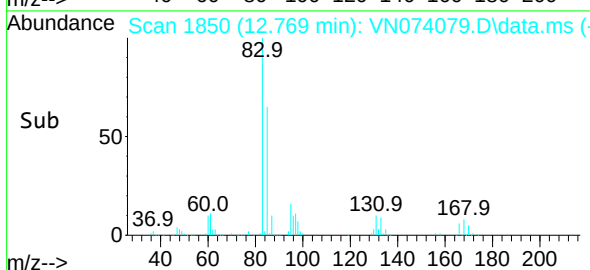
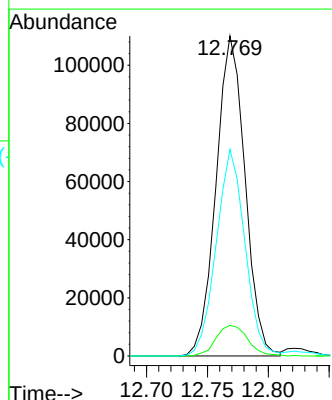
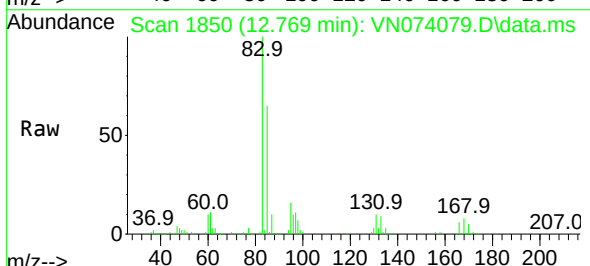
Tgt Ion: 83 Resp: 182493

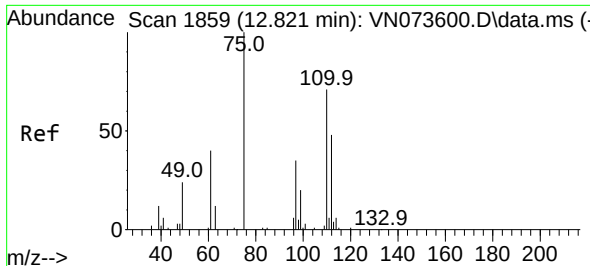
Ion Ratio Lower Upper

83 100

131 10.4 5.1 15.3

85 63.7 33.1 99.2

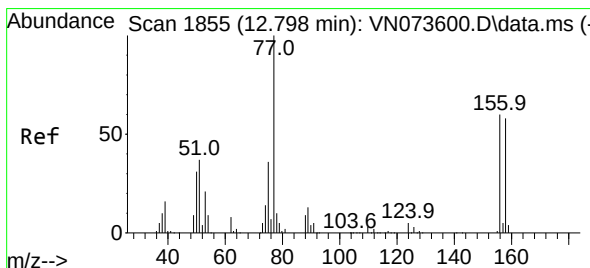
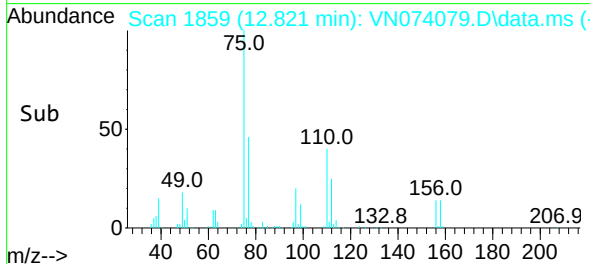
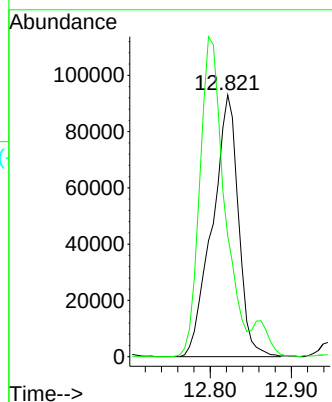
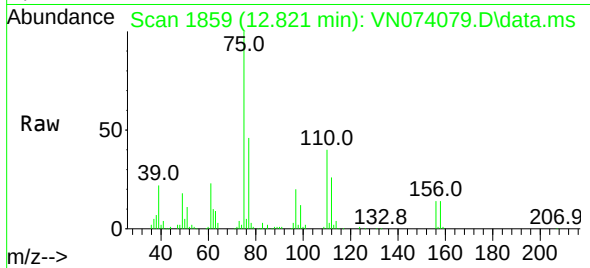




#72  
1,2,3-Trichloropropane  
Concen: 29.303 ug/l  
RT: 12.821 min Scan# 1859  
Delta R.T. 0.000 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

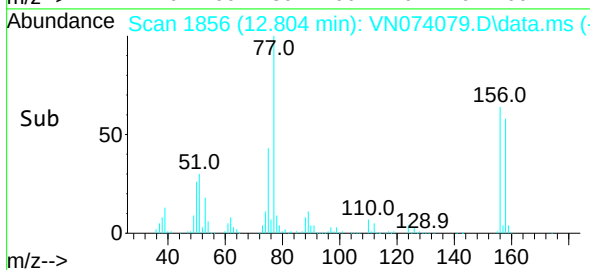
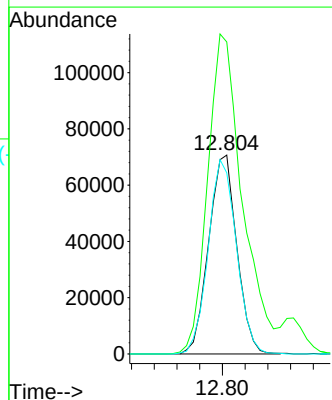
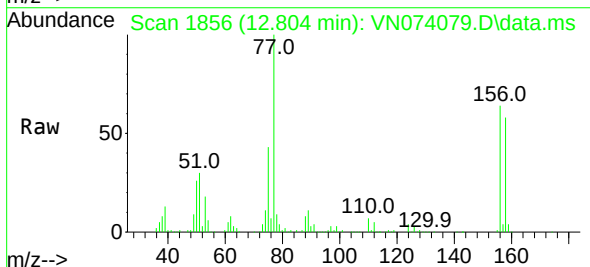
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0823WBSD02

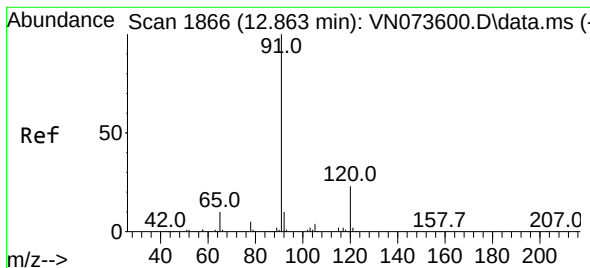
Tgt Ion: 75 Resp: 207938  
Ion Ratio Lower Upper  
75 100  
77 115.5 0.0 378.0



#73  
Bromobenzene  
Concen: 20.304 ug/l  
RT: 12.804 min Scan# 1856  
Delta R.T. 0.006 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

Tgt Ion: 156 Resp: 121872  
Ion Ratio Lower Upper  
156 100  
77 197.1 0.0 416.0  
158 97.9 0.0 195.4





#74

n-propylbenzene

Concen: 18.465 ug/l

RT: 12.863 min Scan# 1866

Delta R.T. 0.000 min

Lab File: VN074079.D

Acq: 23 Aug 2022 19:43

Instrument :

MSVOA\_N

ClientSampleId :

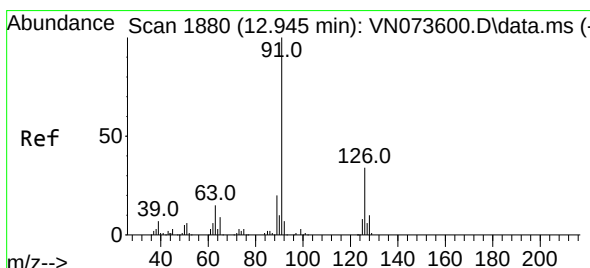
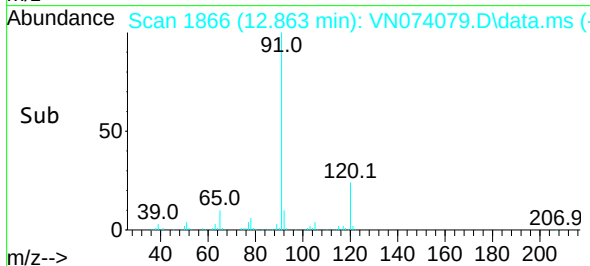
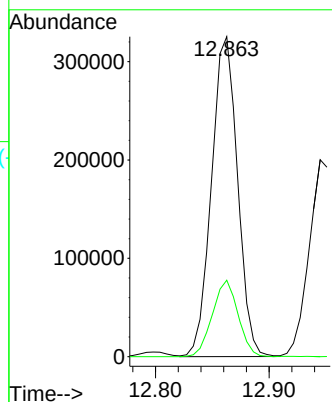
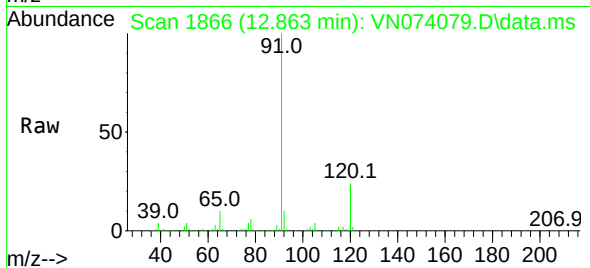
VN0823WBSD02

Tgt Ion: 91 Resp: 519262

Ion Ratio Lower Upper

91 100

120 23.5 0.0 45.0



#75

2-Chlorotoluene

Concen: 19.671 ug/l

RT: 12.945 min Scan# 1880

Delta R.T. 0.000 min

Lab File: VN074079.D

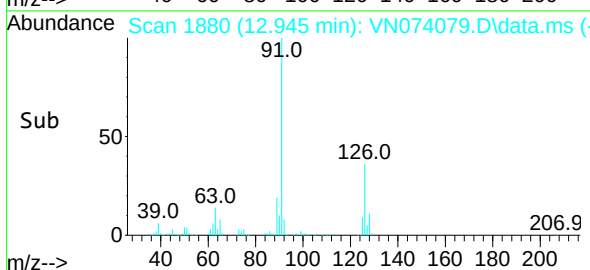
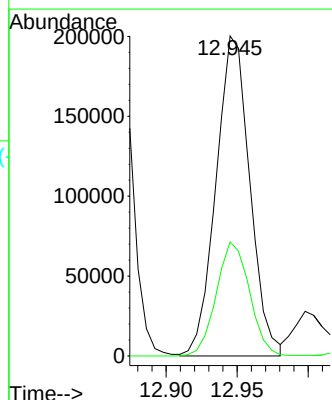
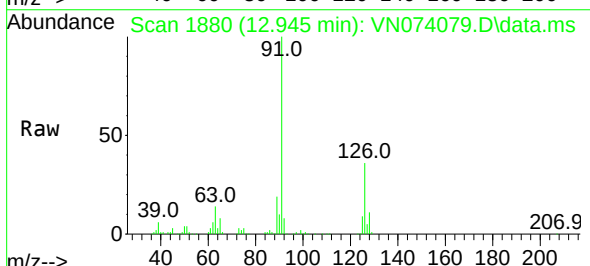
Acq: 23 Aug 2022 19:43

Tgt Ion: 91 Resp: 331603

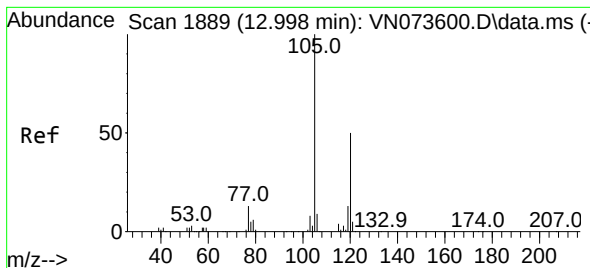
Ion Ratio Lower Upper

91 100

126 35.0 0.0 69.8







#76

1,3,5-Trimethylbenzene

Concen: 19.595 ug/l

RT: 12.998 min Scan# 1889

Delta R.T. 0.000 min

Lab File: VN074079.D

Acq: 23 Aug 2022 19:43

Instrument :

MSVOA\_N

ClientSampleId :

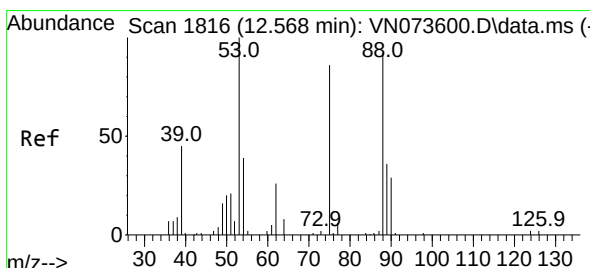
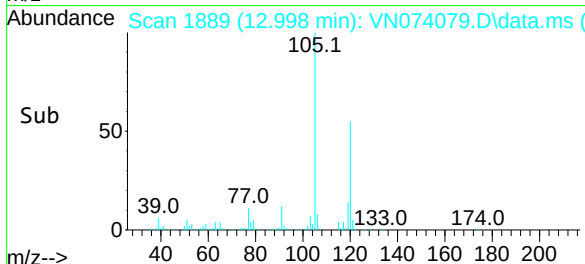
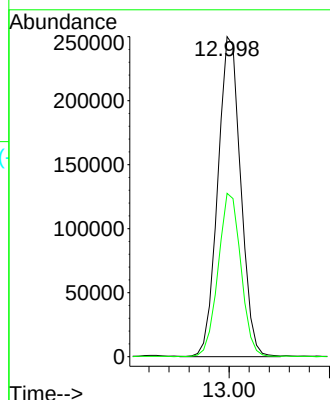
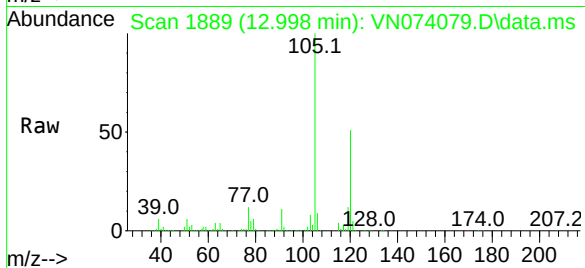
VN0823WBSD02

Tgt Ion:105 Resp: 396600

Ion Ratio Lower Upper

105 100

120 50.7 0.0 93.8



#77

t-1,4-Dichloro-2-butene

Concen: 16.578 ug/l

RT: 12.569 min Scan# 1816

Delta R.T. 0.000 min

Lab File: VN074079.D

Acq: 23 Aug 2022 19:43

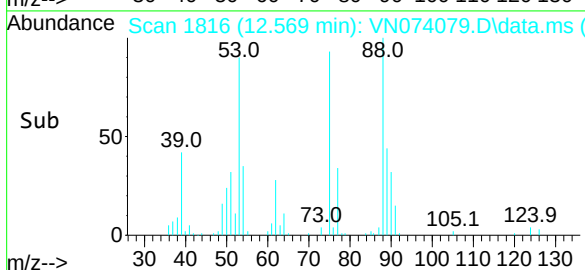
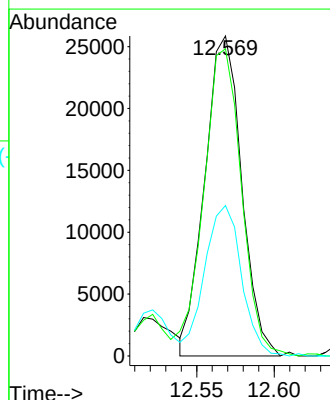
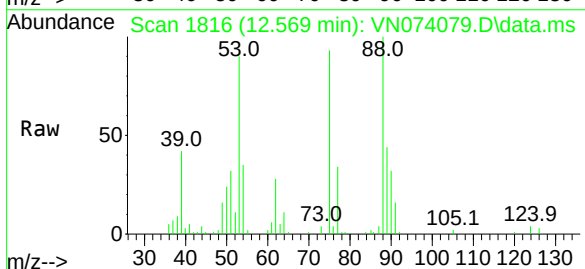
Tgt Ion: 75 Resp: 42872

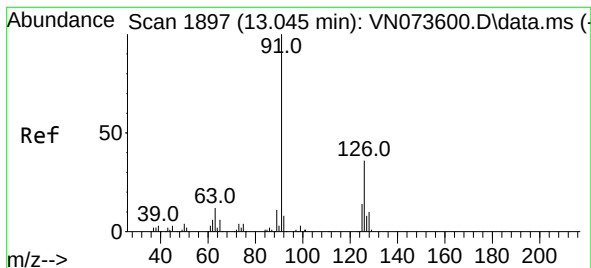
Ion Ratio Lower Upper

75 100

53 94.4 51.8 155.5

89 46.4 22.9 68.7





#78

4-Chlorotoluene

Concen: 19.156 ug/l

RT: 13.045 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VN074079.D

Acq: 23 Aug 2022 19:43

Instrument :

MSVOA\_N

ClientSampleId :

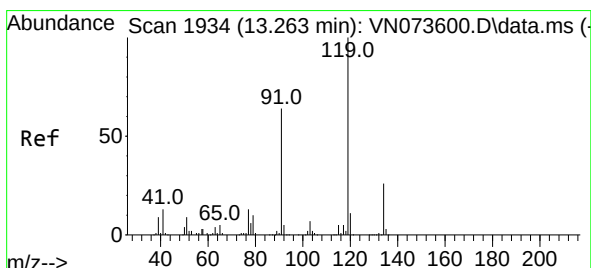
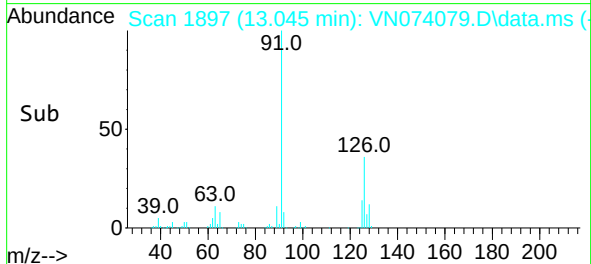
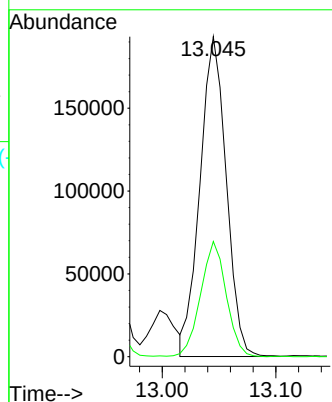
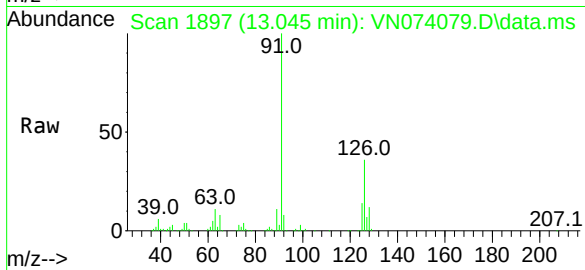
VN0823WBSD02

Tgt Ion: 91 Resp: 310210

Ion Ratio Lower Upper

91 100

126 35.2 0.0 70.6



#79

tert-butylbenzene

Concen: 20.090 ug/l

RT: 13.263 min Scan# 1934

Delta R.T. 0.000 min

Lab File: VN074079.D

Acq: 23 Aug 2022 19:43

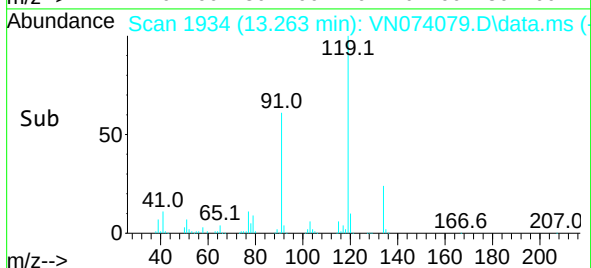
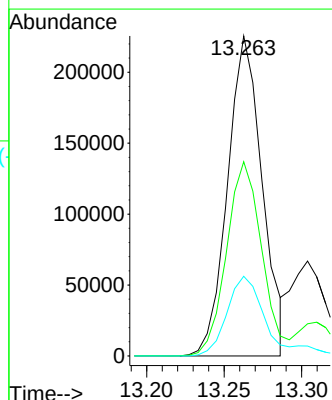
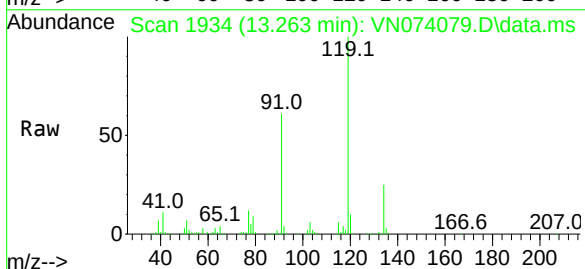
Tgt Ion: 119 Resp: 351544

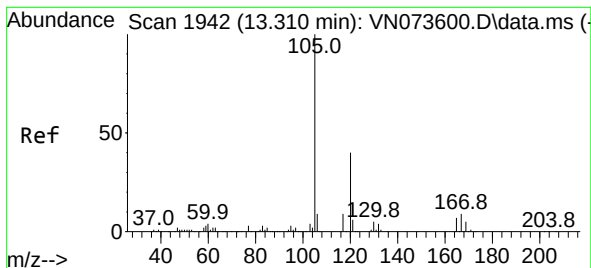
Ion Ratio Lower Upper

119 100

91 61.8 0.0 137.0

134 25.7 0.0 47.6





#80

1,2,4-Trimethylbenzene

Concen: 23.507 ug/l

RT: 13.439 min Scan# 1942

Delta R.T. 0.129 min

Lab File: VN074079.D

Acq: 23 Aug 2022 19:43

Instrument :

MSVOA\_N

ClientSampleId :

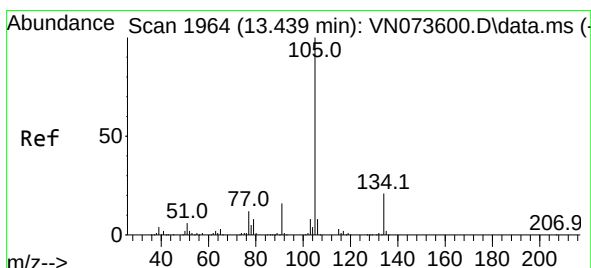
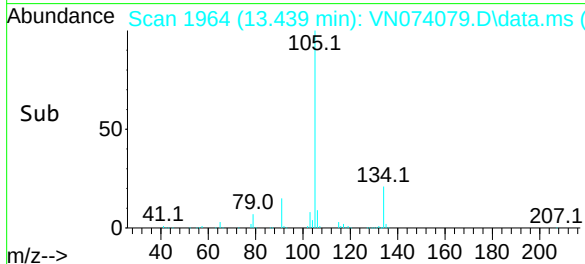
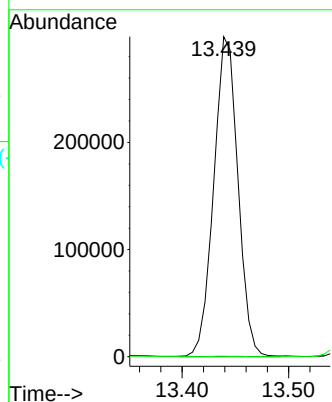
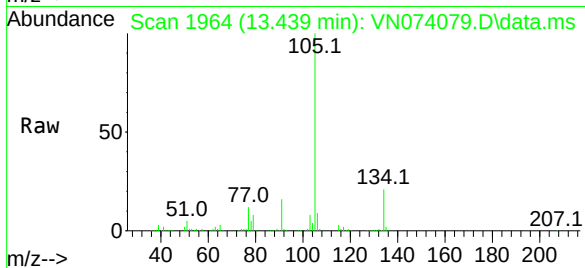
VN0823WBSD02

Tgt Ion:105 Resp: 471269

Ion Ratio Lower Upper

105 100

120 0.2 0.0 0.2



#81

sec-Butylbenzene

Concen: 18.757 ug/l

RT: 13.439 min Scan# 1964

Delta R.T. 0.000 min

Lab File: VN074079.D

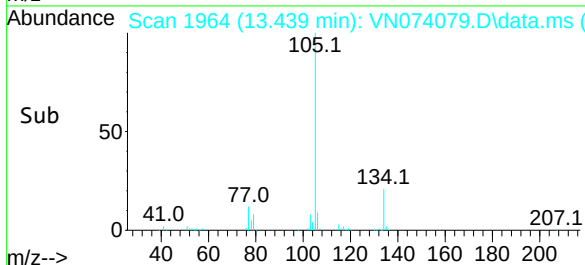
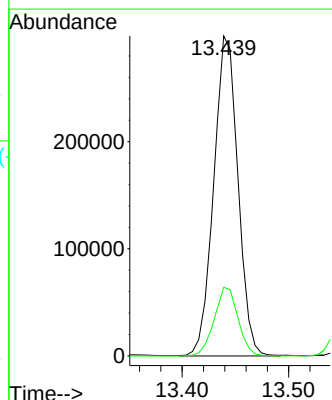
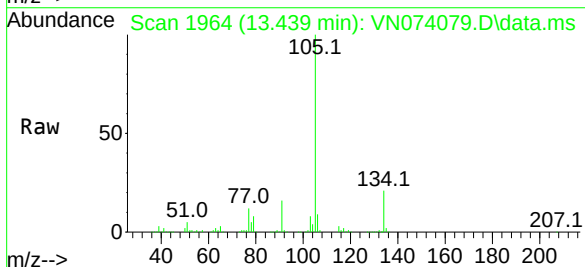
Acq: 23 Aug 2022 19:43

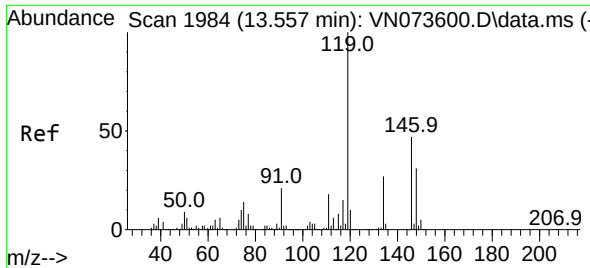
Tgt Ion:105 Resp: 471269

Ion Ratio Lower Upper

105 100

134 21.1 0.0 39.4

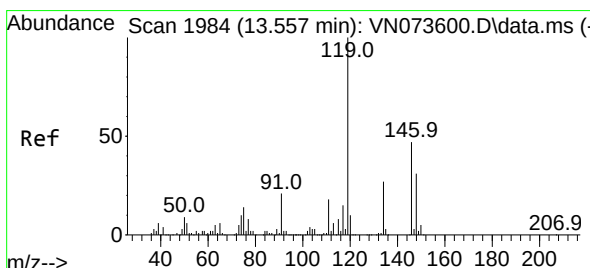
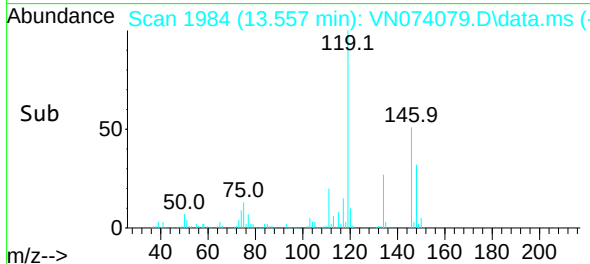
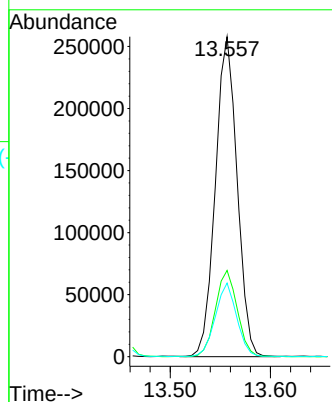
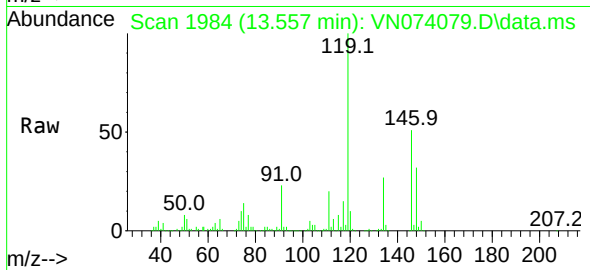




#82  
 p-Isopropyltoluene  
 Concen: 18.791 ug/l  
 RT: 13.557 min Scan# 1984  
 Delta R.T. 0.000 min  
 Lab File: VN074079.D  
 Acq: 23 Aug 2022 19:43

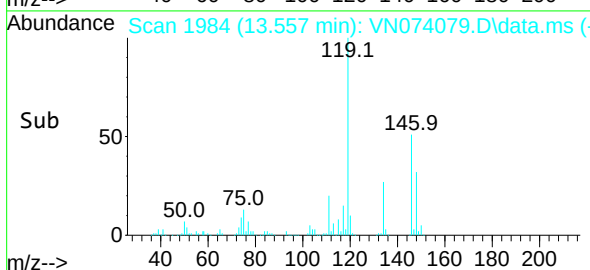
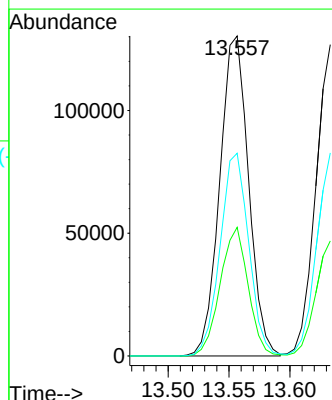
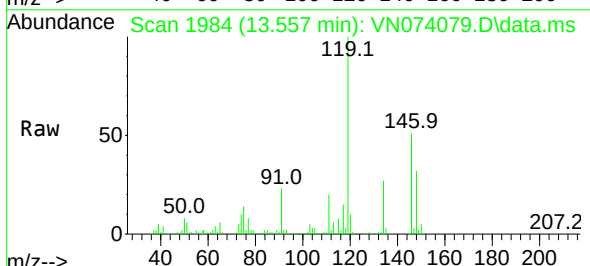
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0823WBSD02

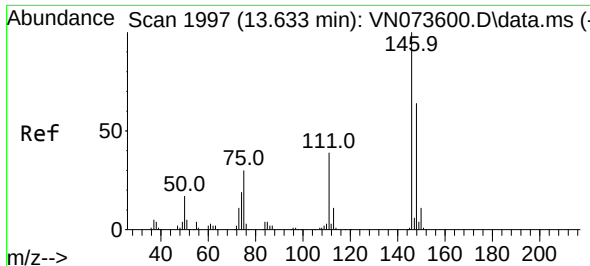
Tgt Ion:119 Resp: 387609  
 Ion Ratio Lower Upper  
 119 100  
 134 27.0 0.0 51.8  
 91 22.6 0.0 50.4



#83  
 1,3-Dichlorobenzene  
 Concen: 19.562 ug/l  
 RT: 13.557 min Scan# 1984  
 Delta R.T. 0.000 min  
 Lab File: VN074079.D  
 Acq: 23 Aug 2022 19:43

Tgt Ion:146 Resp: 214943  
 Ion Ratio Lower Upper  
 146 100  
 111 39.0 20.8 62.2  
 148 62.9 31.4 94.3

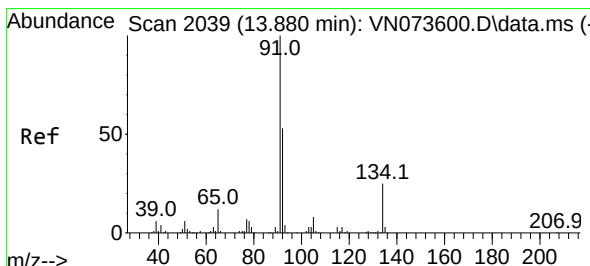
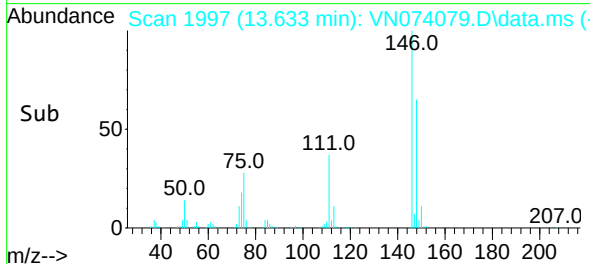
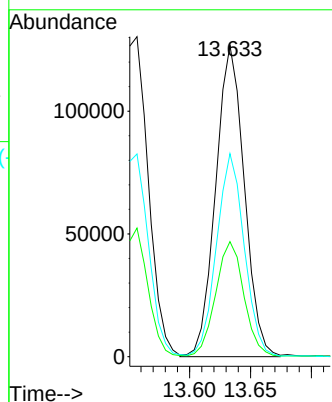
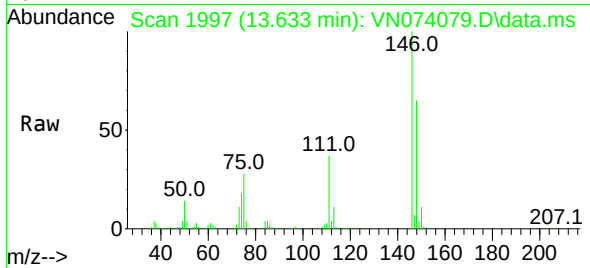




#84  
1,4-Dichlorobenzene  
Concen: 19.563 ug/l  
RT: 13.633 min Scan# 1997  
Delta R.T. 0.000 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

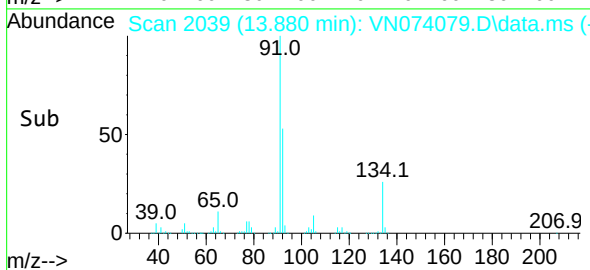
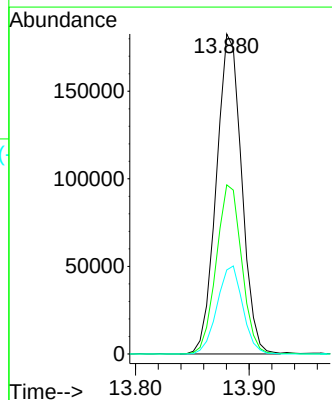
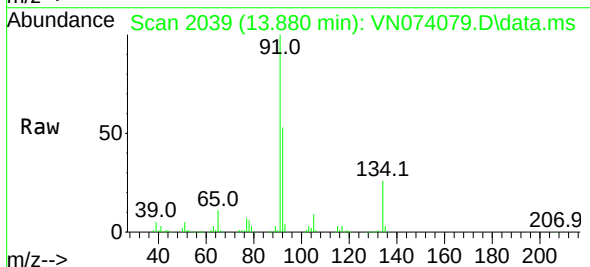
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0823WBSD02

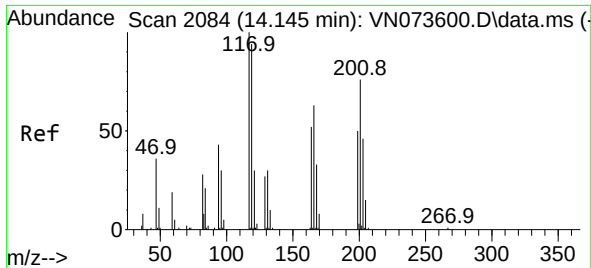
Tgt Ion:146 Resp: 207345  
Ion Ratio Lower Upper  
146 100  
111 36.5 19.5 58.5  
148 62.8 31.1 93.5



#85  
n-Butylbenzene  
Concen: 16.929 ug/l  
RT: 13.880 min Scan# 2039  
Delta R.T. 0.000 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

Tgt Ion: 91 Resp: 283067  
Ion Ratio Lower Upper  
91 100  
92 53.2 0.0 100.6  
134 27.7 0.0 50.2

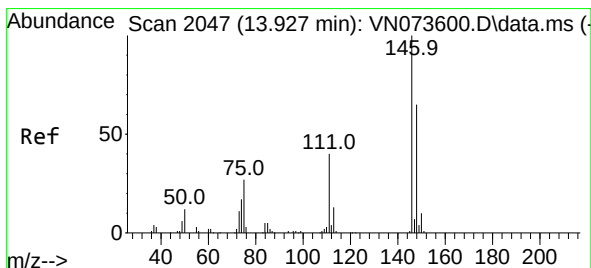
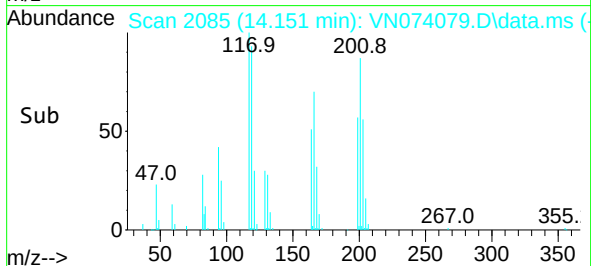
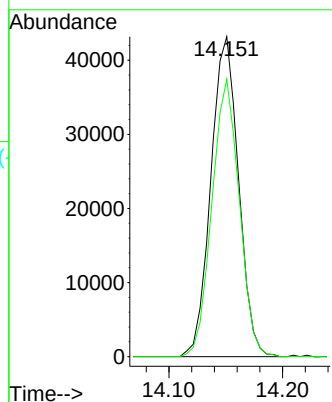
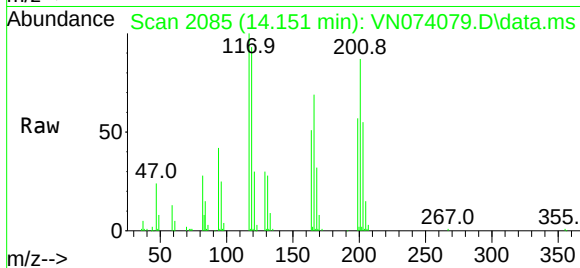




#86  
Hexachloroethane  
Concen: 19.314 ug/l  
RT: 14.151 min Scan# 2085  
Delta R.T. 0.006 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

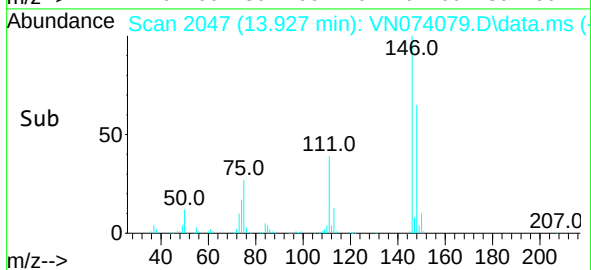
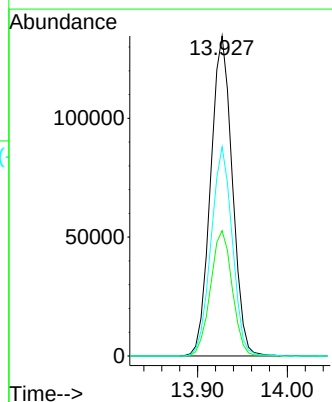
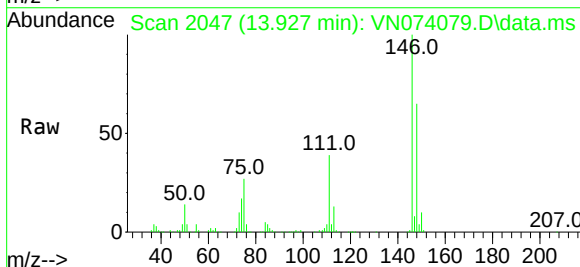
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0823WBSD02

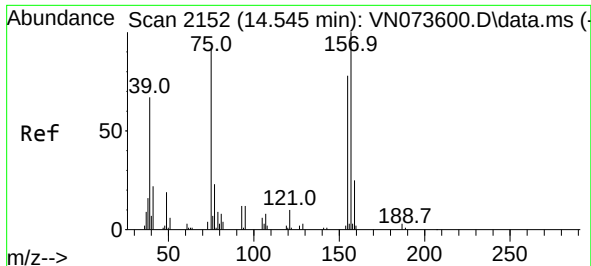
Tgt Ion:117 Resp: 73067  
Ion Ratio Lower Upper  
117 100  
201 85.7 33.3 99.8



#87  
1,2-Dichlorobenzene  
Concen: 20.365 ug/l  
RT: 13.927 min Scan# 2047  
Delta R.T. 0.000 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

Tgt Ion:146 Resp: 226229  
Ion Ratio Lower Upper  
146 100  
111 39.1 21.4 64.2  
148 63.9 32.5 97.4

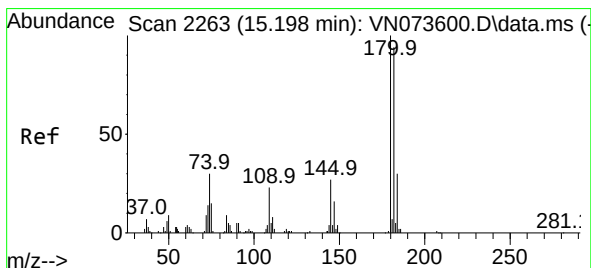
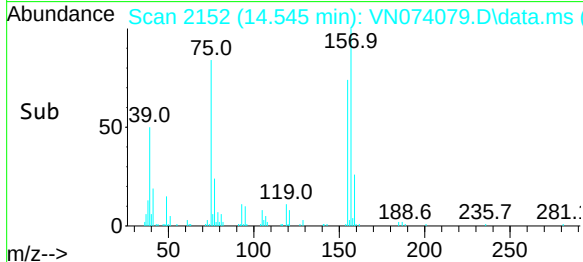
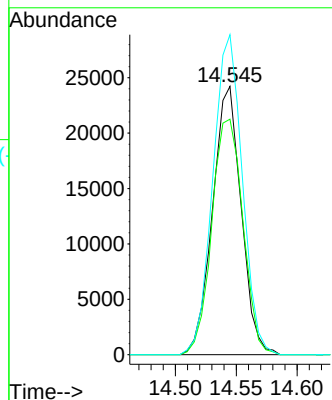
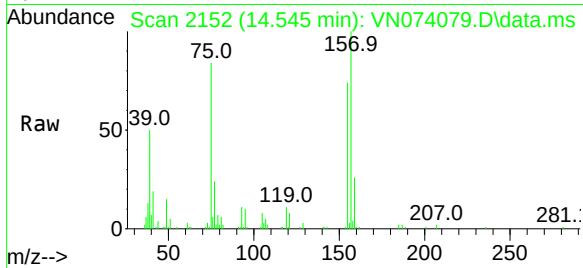




#88  
 1,2-Dibromo-3-Chloropropane  
 Concen: 21.429 ug/l  
 RT: 14.545 min Scan# 2152  
 Delta R.T. 0.000 min  
 Lab File: VN074079.D  
 Acq: 23 Aug 2022 19:43

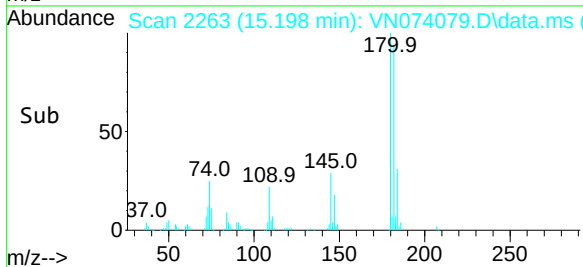
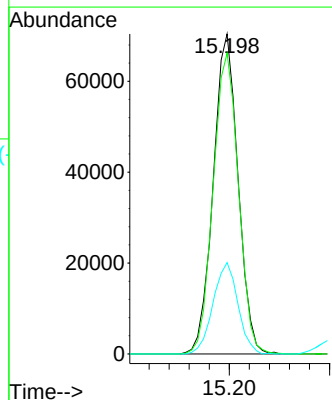
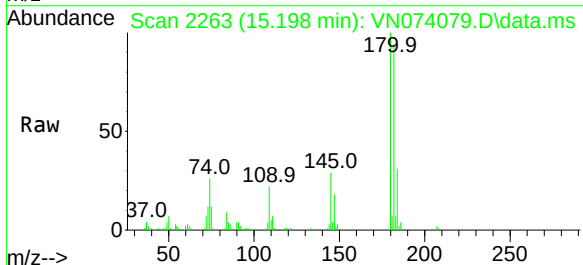
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0823WBSD02

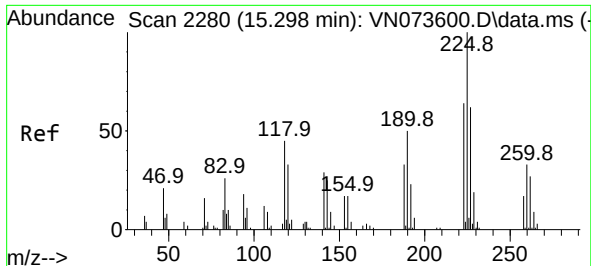
Tgt Ion: 75 Resp: 39768  
 Ion Ratio Lower Upper  
 75 100  
 155 94.9 63.8 95.8  
 157 122.1 77.9 116.9#



#89  
 1,2,4-Trichlorobenzene  
 Concen: 19.772 ug/l  
 RT: 15.198 min Scan# 2263  
 Delta R.T. 0.000 min  
 Lab File: VN074079.D  
 Acq: 23 Aug 2022 19:43

Tgt Ion: 180 Resp: 120887  
 Ion Ratio Lower Upper  
 180 100  
 182 95.8 77.7 116.5  
 145 28.6 26.6 39.8

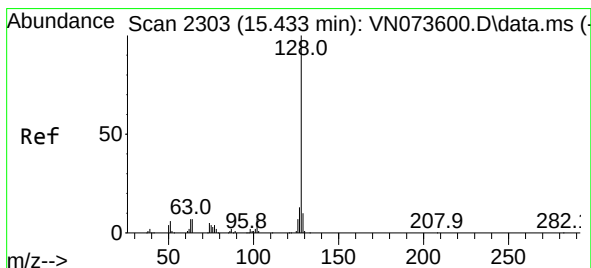
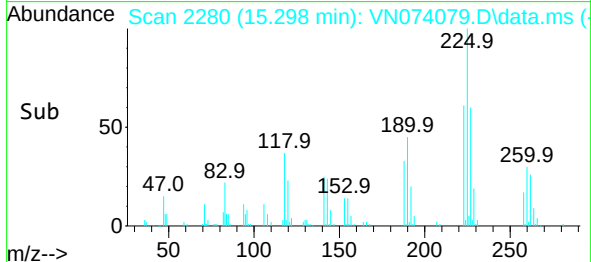
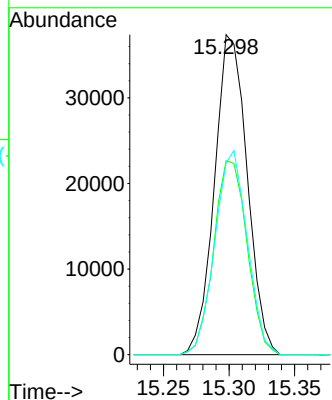
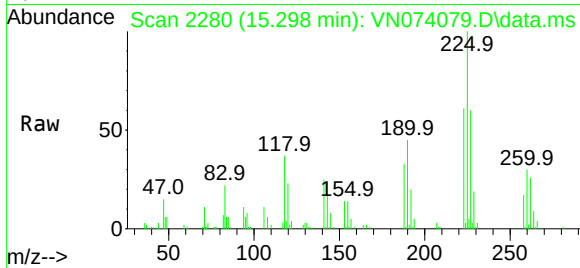




#90  
Hexachlorobutadiene  
Concen: 20.951 ug/l  
RT: 15.298 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

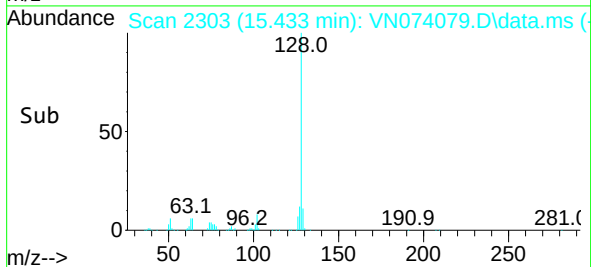
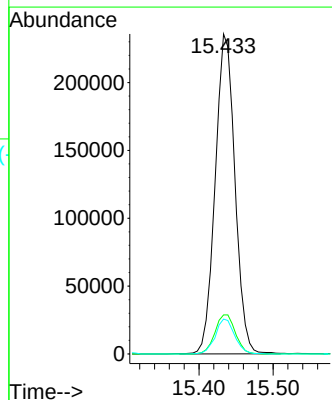
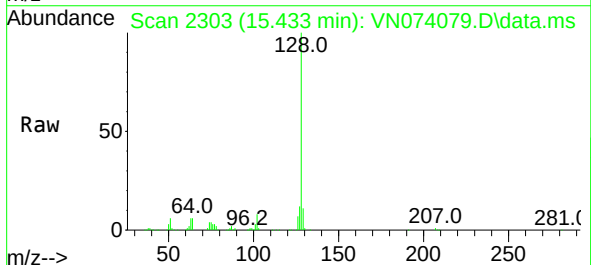
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0823WBSD02

Tgt Ion:225 Resp: 64877  
Ion Ratio Lower Upper  
225 100  
223 61.9 0.0 126.8  
227 63.1 0.0 123.0

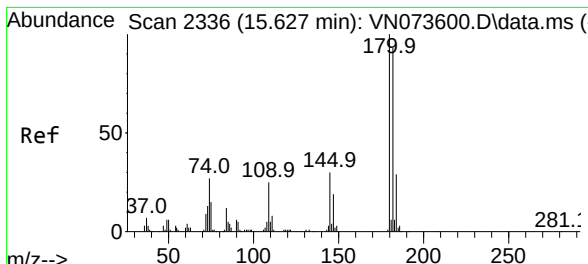


#91  
Naphthalene  
Concen: 21.726 ug/l  
RT: 15.433 min Scan# 2303  
Delta R.T. 0.000 min  
Lab File: VN074079.D  
Acq: 23 Aug 2022 19:43

Tgt Ion:128 Resp: 436157  
Ion Ratio Lower Upper  
128 100  
127 12.7 10.7 16.1  
129 10.8 9.0 13.6







#92  
 1,2,3-Trichlorobenzene  
 Concen: 20.902 ug/l  
 RT: 15.627 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VN074079.D  
 Acq: 23 Aug 2022 19:43

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0823WBSD02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 131276 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 96.9  | 0.0   | 190.0  |
| 145      | 30.7  | 0.0   | 67.8   |

