

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN051622\  
 Data File : VN072496.D  
 Acq On : 16 May 2022 12:40  
 Operator : JC\MD  
 Sample : VSTDICCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC020

Quant Time: May 16 13:20:23 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N051622W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon May 16 13:19:02 2022  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units       | Dev(Min) |
|------------------------------|--------|-------|----------|----------|-------------|----------|
| -----                        |        |       |          |          |             |          |
| Internal Standards           |        |       |          |          |             |          |
| 1) Bromochloromethane        | 7.651  | 128   | 24423    | 30.000   | ug/l        | 0.00     |
| 28) 1,4-Difluorobenzene      | 8.963  | 114   | 137069   | 30.000   | ug/l        | 0.00     |
| 57) Chlorobenzene-d5         | 11.739 | 117   | 128425   | 30.000   | ug/l        | 0.00     |
| System Monitoring Compounds  |        |       |          |          |             |          |
| 27) 1,2-Dichloroethane-d4    | 8.433  | 65    | 89578    | 40.406   | ug/l        | 0.00     |
| Spiked Amount                | 30.000 | Range | 91 - 110 | Recovery | = 134.700%# |          |
| 60) 4-Bromofluorobenzene     | 12.727 | 95    | 73599    | 34.674   | ug/l        | 0.00     |
| Spiked Amount                | 30.000 | Range | 63 - 112 | Recovery | = 115.567%# |          |
| 63) Toluene-d8               | 10.439 | 98    | 215053   | 34.107   | ug/l        | 0.00     |
| Spiked Amount                | 30.000 | Range | 91 - 112 | Recovery | = 113.700%# |          |
| Target Compounds             |        |       |          |          |             | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.075  | 85    | 43232    | 28.943   | ug/l        | 95       |
| 3) Chloromethane             | 2.299  | 50    | 38720    | 23.998   | ug/l        | 93       |
| 4) Vinyl Chloride            | 2.446  | 62    | 32723    | 19.380   | ug/l        | 97       |
| 5) Bromomethane              | 2.828  | 94    | 22936    | 22.809   | ug/l        | 98       |
| 6) Chloroethane              | 2.999  | 64    | 20926    | 19.502   | ug/l        | 90       |
| 7) Trichlorofluoromethane    | 3.369  | 101   | 78812    | 30.986   | ug/l        | 96       |
| 8) Diethyl Ether             | 3.822  | 74    | 22965    | 24.760   | ug/l        | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 4.210  | 101   | 37185    | 27.000   | ug/l #      | 66       |
| 10) 1,1-Dichloroethene       | 4.187  | 96    | 32048    | 24.616   | ug/l #      | 79       |
| 11) Methyl Iodide            | 4.416  | 142   | 47961    | 25.091   | ug/l        | 96       |
| 12) Methyl Acetate           | 4.857  | 43    | 54069    | 27.461   | ug/l #      | 87       |
| 13) Acrolein                 | 4.040  | 56    | 40863    | 167.927  | ug/l        | 98       |
| 14) Acrylonitrile            | 5.551  | 53    | 108442   | 127.764  | ug/l        | 60       |
| 15) Acetone                  | 4.281  | 58    | 28814    | 122.256  | ug/l        | 77       |
| 16) Carbon Disulfide         | 4.522  | 76    | 84330    | 24.684   | ug/l        | 98       |
| 17) Allyl chloride           | 4.834  | 41    | 57737    | 26.311   | ug/l        | 95       |
| 18) Methylene Chloride       | 5.093  | 84    | 39052    | 24.796   | ug/l        | 96       |
| 19) trans-1,2-Dichloroethene | 5.598  | 96    | 35702    | 25.258   | ug/l        | 94       |
| 20) Diisopropyl ether        | 6.487  | 45    | 121613   | 26.563   | ug/l        | 98       |
| 21) 1,1-Dichloroethane       | 6.387  | 63    | 72688    | 26.216   | ug/l        | 98       |
| 22) cis-1,2-Dichloroethene   | 7.322  | 96    | 41383    | 24.471   | ug/l        | 92       |
| 23) tert-Butyl Alcohol       | 5.357  | 59    | 18527    | 56.437   | ug/l #      | 100      |
| 24) Methyl tert-Butyl Ether  | 5.610  | 73    | 133284   | 26.977   | ug/l        | 100      |
| 25) Chloroform               | 7.810  | 83    | 79409    | 27.725   | ug/l        | 96       |
| 26) Cyclohexane              | 8.098  | 56    | 59280    | 25.392   | ug/l #      | 100      |
| 29) 1,1-Dichloropropene      | 8.222  | 75    | 53514    | 25.544   | ug/l        | 98       |
| 30) 2-Butanone               | 7.328  | 43    | 159522   | 133.260  | ug/l        | 96       |
| 31) 2,2-Dichloropropane      | 7.322  | 77    | 65190    | 26.597   | ug/l        | 96       |
| 32) 1,1,1-Trichloroethane    | 8.010  | 97    | 76869    | 29.043   | ug/l        | 100      |
| 33) Carbon Tetrachloride     | 8.204  | 117   | 71092    | 30.611   | ug/l        | 95       |
| 34) Benzene                  | 8.457  | 78    | 156326   | 24.525   | ug/l        | 93       |
| 35) Methacrylonitrile        | 7.634  | 41    | 32110    | 27.501   | ug/l        | 93       |
| 36) 1,2-Dichloroethane       | 8.522  | 62    | 73662    | 29.461   | ug/l #      | 90       |
| 37) Trichloroethene          | 9.210  | 130   | 42019    | 25.060   | ug/l        | 90       |
| 38) Methylcyclohexane        | 9.457  | 83    | 62463    | 24.334   | ug/l        | 94       |
| 39) 1,2-Dichloropropane      | 9.486  | 63    | 40055    | 24.890   | ug/l        | 95       |
| 40) Dibromomethane           | 9.575  | 93    | 30662    | 26.917   | ug/l        | 90       |
| 41) Bromodichloromethane     | 9.757  | 83    | 62801    | 27.248   | ug/l        | 97       |
| 42) Vinyl Acetate            | 6.428  | 43    | 538097   | 131.832  | ug/l        | 100      |

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 Sample : VSTDICCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC020

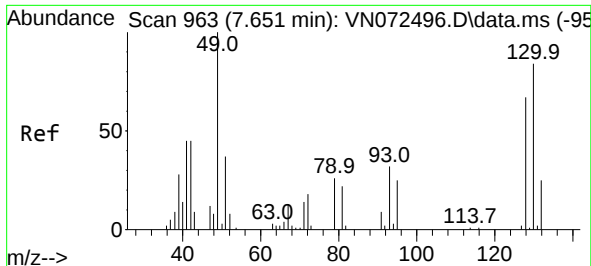
Quant Time: May 16 13:20:23 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N051622W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon May 16 13:19:02 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 43) Ethyl Acetate             | 7.410  | 43   | 59571    | 26.103  | ug/l   | 98       |
| 44) Isopropyl Acetate         | 8.557  | 43   | 97869    | 26.085  | ug/l   | 99       |
| 45) 1,4-Dioxane               | 9.569  | 88   | 19185    | 520.771 | ug/l   | 94       |
| 46) Methyl methacrylate       | 9.551  | 41   | 42870    | 26.084  | ug/l   | 86       |
| 47) n-amyl Acetate            | 12.386 | 43   | 61164    | 25.025  | ug/l   | 97       |
| 48) t-1,3-Dichloropropene     | 10.716 | 75   | 64251    | 26.052  | ug/l   | 98       |
| 49) cis-1,3-Dichloropropene   | 10.186 | 75   | 66835    | 25.357  | ug/l   | 98       |
| 50) 1,1,2-Trichloroethane     | 10.892 | 97   | 40997    | 25.076  | ug/l   | 96       |
| 51) Ethyl methacrylate        | 10.757 | 69   | 62241    | 24.575  | ug/l   | 95       |
| 52) 1,3-Dichloropropane       | 11.039 | 76   | 71363    | 25.377  | ug/l   | 100      |
| 53) Dibromochloromethane      | 11.233 | 129  | 50643    | 27.928  | ug/l   | 96       |
| 54) 1,2-Dibromoethane         | 11.339 | 107  | 42635    | 25.153  | ug/l   | 98       |
| 55) 2-Chloroethyl vinyl ether | 10.039 | 63   | 72605    | 113.361 | ug/l   | 99       |
| 56) Bromoform                 | 12.451 | 173  | 35536    | 26.203  | ug/l # | 99       |
| 58) 4-Methyl-2-Pentanone      | 10.327 | 43   | 308743   | 132.641 | ug/l   | 98       |
| 59) 2-Hexanone                | 11.080 | 43   | 225922   | 132.489 | ug/l   | 98       |
| 61) Tetrachloroethene         | 10.974 | 164  | 39730    | 26.516  | ug/l   | 85       |
| 62) Toluene                   | 10.504 | 91   | 175406   | 24.590  | ug/l   | 96       |
| 64) Chlorobenzene             | 11.763 | 112  | 106083   | 24.078  | ug/l   | 100      |
| 65) 1,1,1,2-Tetrachloroethane | 11.839 | 131  | 46111    | 26.951  | ug/l   | 97       |
| 66) Ethyl Benzene             | 11.839 | 91   | 195440   | 24.867  | ug/l   | 99       |
| 67) m/p-Xylenes               | 11.951 | 106  | 147903   | 48.993  | ug/l   | 94       |
| 68) o-Xylene                  | 12.280 | 106  | 73117    | 24.293  | ug/l   | 95       |
| 69) Styrene                   | 12.292 | 104  | 114150   | 24.093  | ug/l   | 96       |
| 70) Isopropylbenzene          | 12.574 | 105  | 193306   | 25.253  | ug/l   | 100      |
| 71) 1,1,2,2-Tetrachloroethane | 12.821 | 83   | 61133    | 24.923  | ug/l   | 98       |
| 72) 1,2,3-Trichloropropane    | 12.874 | 75   | 77581    | 35.686  | ug/l   | 54       |
| 73) Bromobenzene              | 12.857 | 156  | 45650    | 24.492  | ug/l   | 99       |
| 74) n-propylbenzene           | 12.916 | 91   | 204085   | 24.623  | ug/l   | 98       |
| 75) 2-Chlorotoluene           | 13.004 | 91   | 137873   | 25.880  | ug/l   | 93       |
| 76) 1,3,5-Trimethylbenzene    | 13.057 | 105  | 164304   | 26.254  | ug/l   | 100      |
| 77) t-1,4-Dichloro-2-butene   | 12.621 | 75   | 16338    | 22.541  | ug/l   | 88       |
| 78) 4-Chlorotoluene           | 13.104 | 91   | 124319   | 25.221  | ug/l   | 95       |
| 79) tert-butylbenzene         | 13.321 | 119  | 143672   | 25.682  | ug/l   | 99       |
| 80) 1,2,4-Trimethylbenzene    | 13.498 | 105  | 186744   | 30.665  | ug/l   | 100      |
| 81) sec-Butylbenzene          | 13.498 | 105  | 186744   | 25.051  | ug/l   | 98       |
| 82) p-Isopropyltoluene        | 13.610 | 119  | 154746   | 25.365  | ug/l   | 97       |
| 83) 1,3-Dichlorobenzene       | 13.610 | 146  | 76092    | 24.788  | ug/l   | 98       |
| 84) 1,4-Dichlorobenzene       | 13.692 | 146  | 73879    | 25.053  | ug/l   | 99       |
| 85) n-Butylbenzene            | 13.939 | 91   | 105272   | 23.666  | ug/l   | 99       |
| 86) Hexachloroethane          | 14.204 | 117  | 27199    | 24.364  | ug/l   | 83       |
| 87) 1,2-Dichlorobenzene       | 13.986 | 146  | 76971    | 25.816  | ug/l   | 99       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.598 | 75   | 13651    | 28.408  | ug/l   | 98       |
| 89) 1,2,4-Trichlorobenzene    | 15.262 | 180  | 30477    | 22.868  | ug/l   | 99       |
| 90) Hexachlorobutadiene       | 15.362 | 225  | 22047    | 26.587  | ug/l   | 99       |
| 91) Naphthalene               | 15.504 | 128  | 86525    | 23.094  | ug/l   | 98       |
| 92) 1,2,3-Trichlorobenzene    | 15.698 | 180  | 32158    | 24.130  | ug/l   | 97       |

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

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QLast Update : Mon May 16 13:19:02 2022  
Response via : Initial Calibration

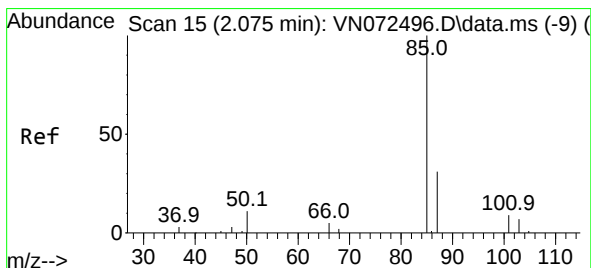
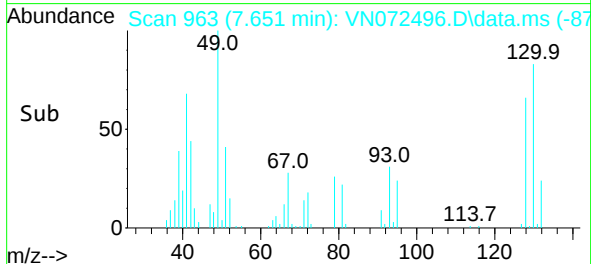
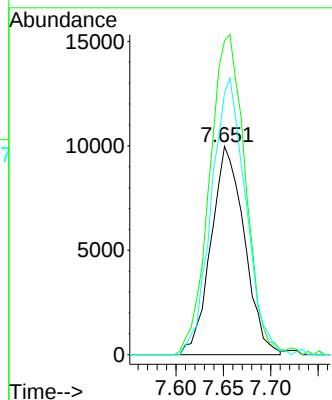
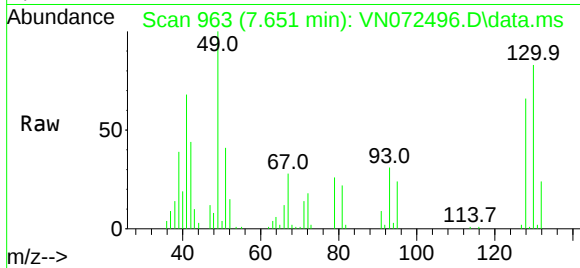




#1  
 Bromochloromethane  
 Concen: 30.000 ug/l  
 RT: 7.651 min Scan# 963  
 Delta R.T. 0.000 min  
 Lab File: VN072496.D  
 Acq: 16 May 2022 12:40

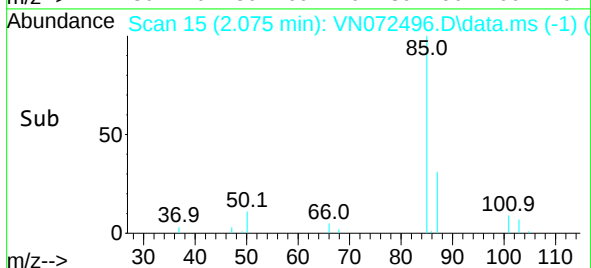
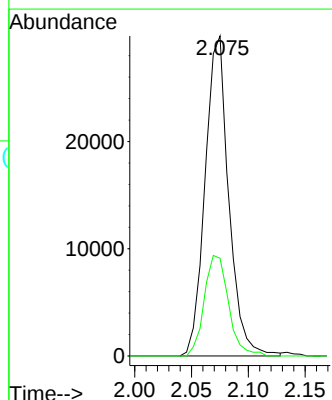
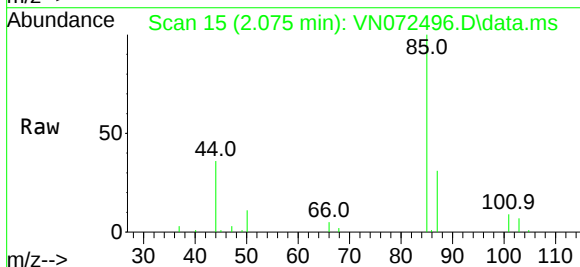
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC020

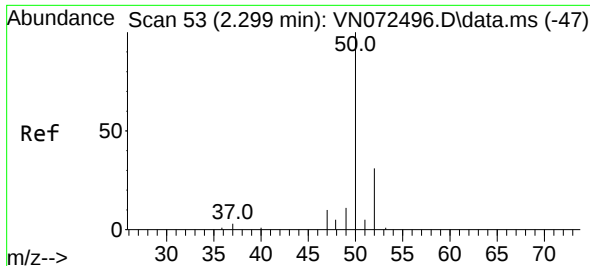
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|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 24423 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 49       | 164.8 | 0.0   | 392.3 |
| 130      | 136.4 | 0.0   | 320.2 |



#2  
 Dichlorodifluoromethane  
 Concen: 28.943 ug/l  
 RT: 2.075 min Scan# 15  
 Delta R.T. 0.000 min  
 Lab File: VN072496.D  
 Acq: 16 May 2022 12:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 85    | Resp: | 43232 |
| Ion      | Ratio | Lower | Upper |
| 85       | 100   |       |       |
| 87       | 30.5  | 16.6  | 49.7  |

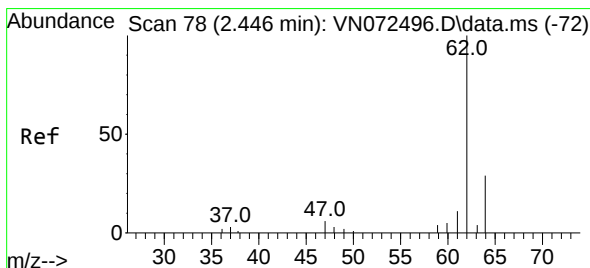
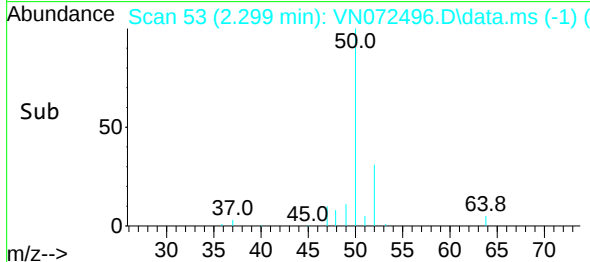
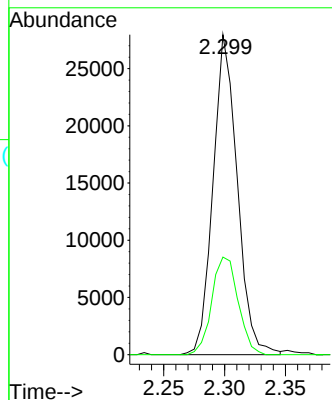
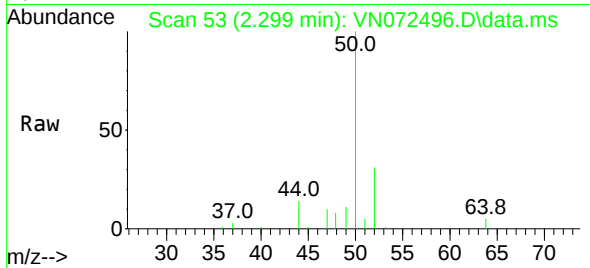




#3  
Chloromethane  
Concen: 23.998 ug/l  
RT: 2.299 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

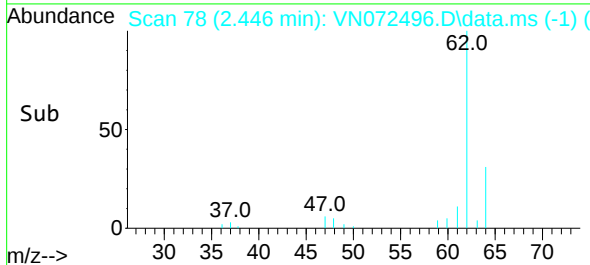
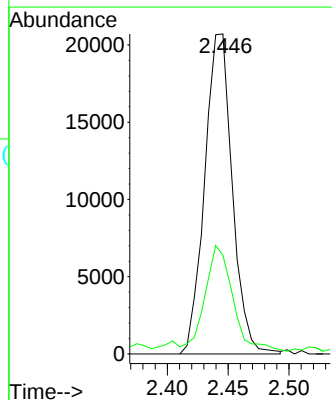
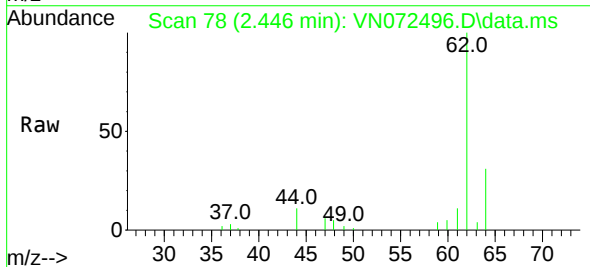
Instrument :  
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VSTDICCC020

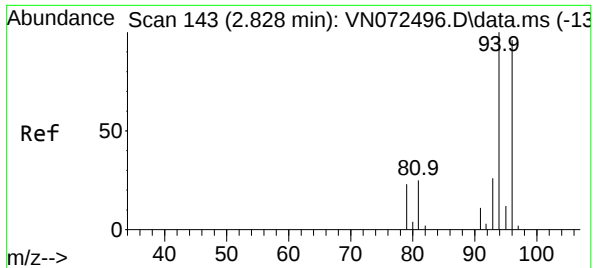
Tgt Ion: 50 Resp: 38720  
Ion Ratio Lower Upper  
50 100  
52 30.5 27.8 41.6



#4  
Vinyl Chloride  
Concen: 19.380 ug/l  
RT: 2.446 min Scan# 78  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

Tgt Ion: 62 Resp: 32723  
Ion Ratio Lower Upper  
62 100  
64 29.5 25.1 37.7

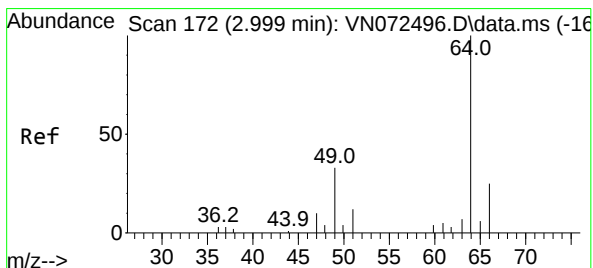
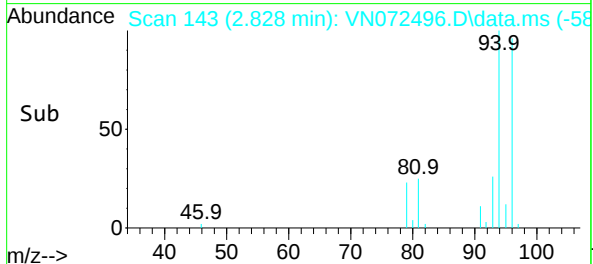
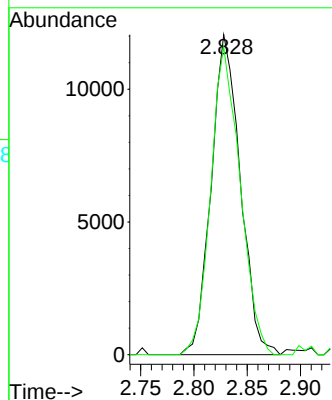
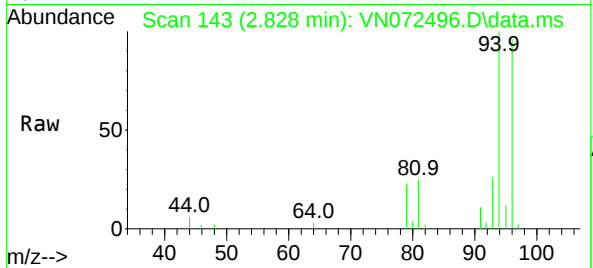




#5  
Bromomethane  
Concen: 22.809 ug/l  
RT: 2.828 min Scan# 143  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

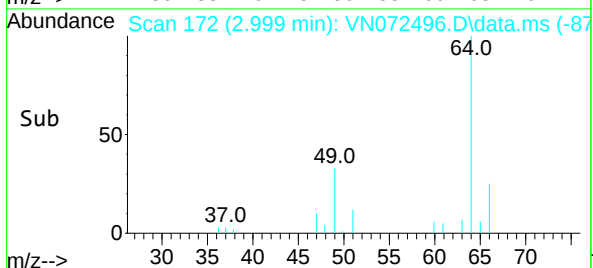
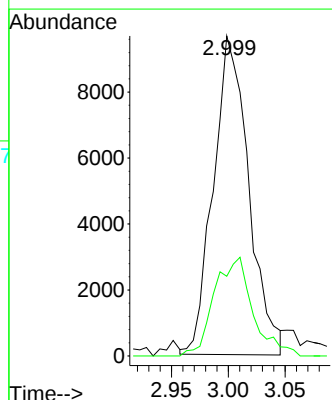
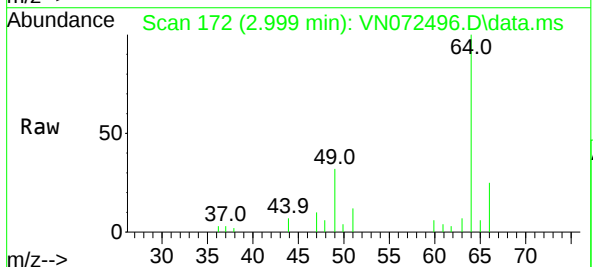
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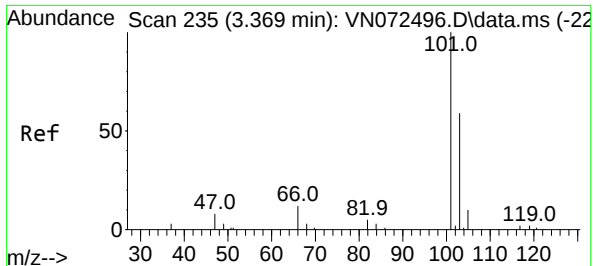
Tgt Ion: 94 Resp: 22936  
Ion Ratio Lower Upper  
94 100  
96 96.1 75.2 112.8



#6  
Chloroethane  
Concen: 19.502 ug/l  
RT: 2.999 min Scan# 172  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

Tgt Ion: 64 Resp: 20926  
Ion Ratio Lower Upper  
64 100  
66 25.4 24.6 36.8

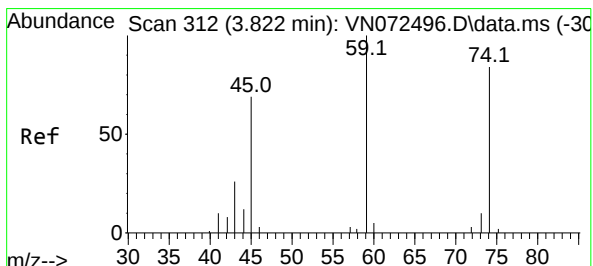
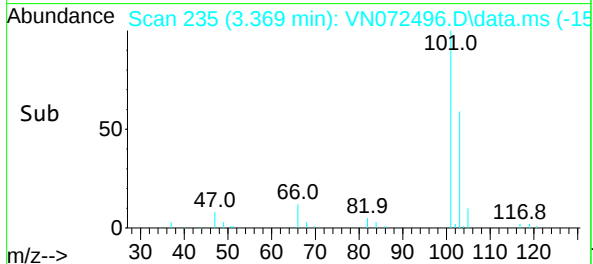
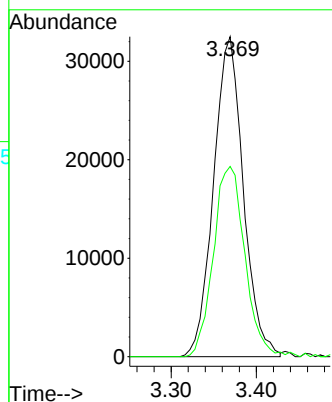
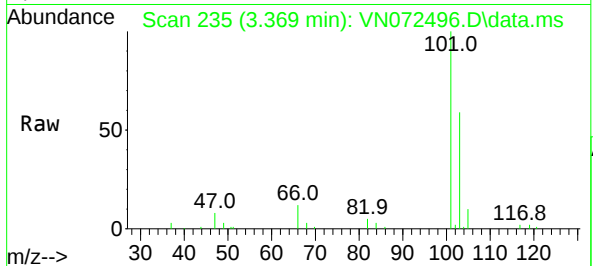




#7  
 Trichlorofluoromethane  
 Concen: 30.986 ug/l  
 RT: 3.369 min Scan# 211  
 Delta R.T. 0.000 min  
 Lab File: VN072496.D  
 Acq: 16 May 2022 12:40

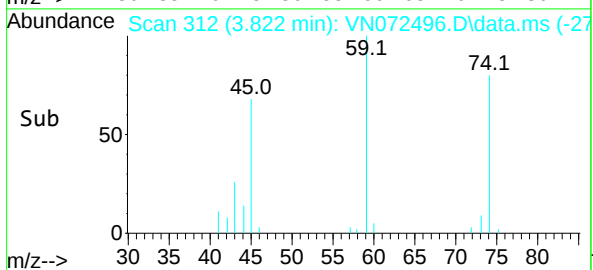
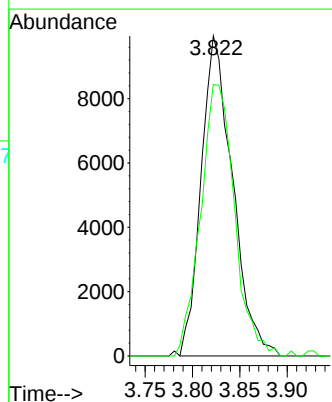
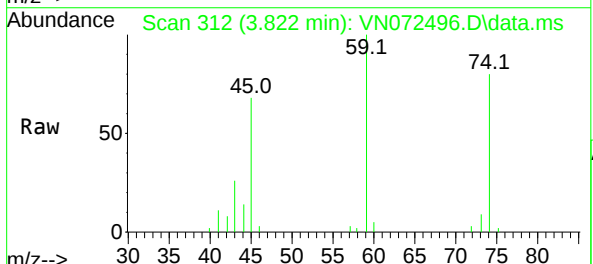
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC020

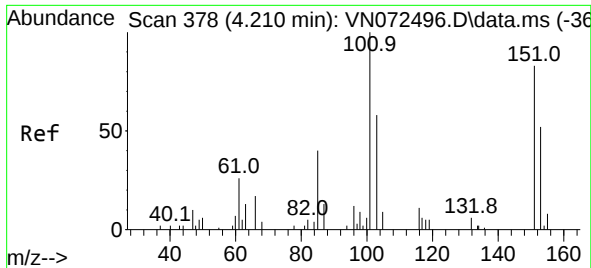
Tgt Ion:101 Resp: 78812  
 Ion Ratio Lower Upper  
 101 100  
 103 59.4 50.1 75.1



#8  
 Diethyl Ether  
 Concen: 24.760 ug/l  
 RT: 3.822 min Scan# 312  
 Delta R.T. 0.000 min  
 Lab File: VN072496.D  
 Acq: 16 May 2022 12:40

Tgt Ion: 74 Resp: 22965  
 Ion Ratio Lower Upper  
 74 100  
 45 91.5 17.6 158.8

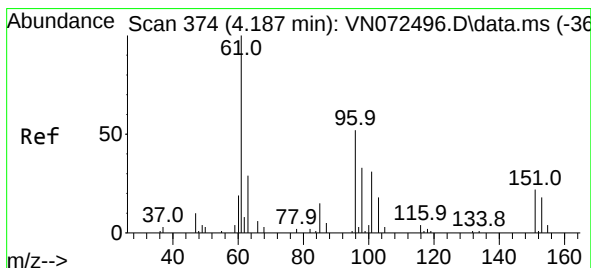
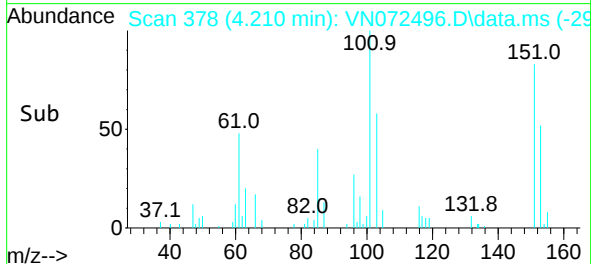
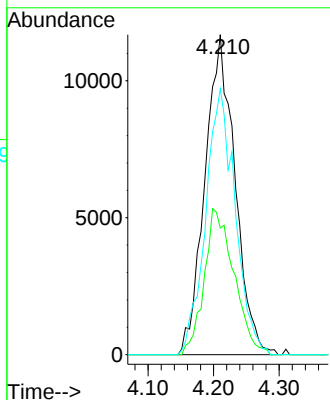
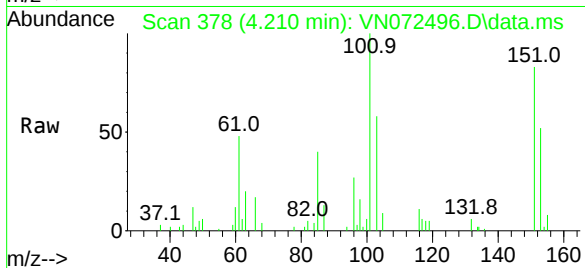




#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 27.000 ug/l  
 RT: 4.210 min Scan# 378  
 Delta R.T. 0.000 min  
 Lab File: VN072496.D  
 Acq: 16 May 2022 12:40

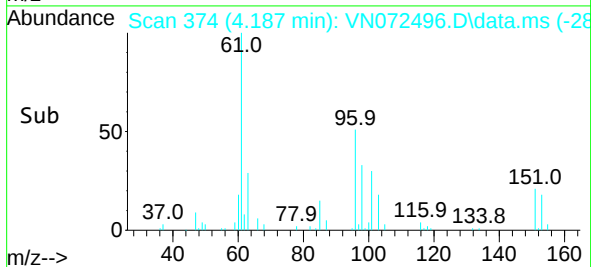
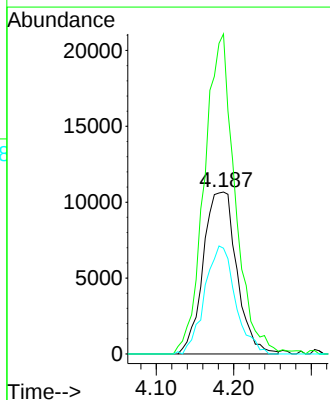
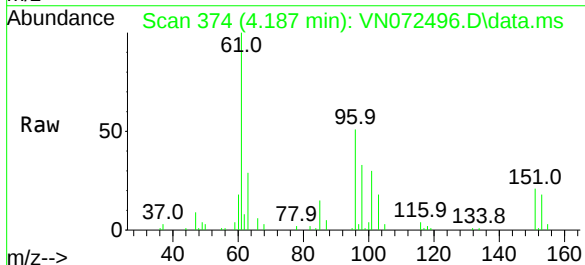
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC020

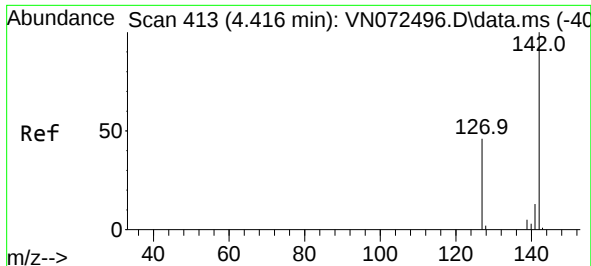
Tgt Ion:101 Resp: 37185  
 Ion Ratio Lower Upper  
 101 100  
 85 45.2 0.0 94.0  
 151 81.8 0.0 74.6#



#10  
 1,1-Dichloroethene  
 Concen: 24.616 ug/l  
 RT: 4.187 min Scan# 374  
 Delta R.T. 0.000 min  
 Lab File: VN072496.D  
 Acq: 16 May 2022 12:40

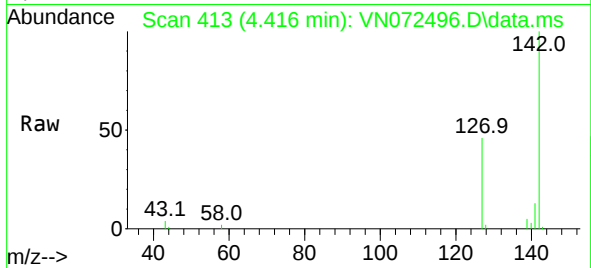
Tgt Ion: 96 Resp: 32048  
 Ion Ratio Lower Upper  
 96 100  
 61 196.0 126.2 189.4#  
 98 65.4 50.9 76.3



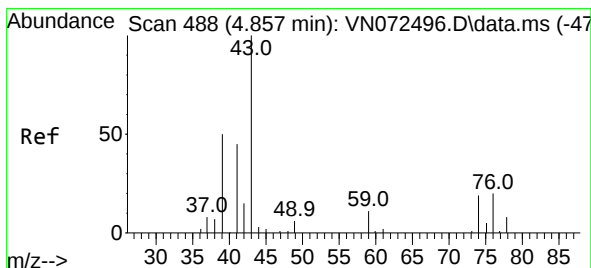
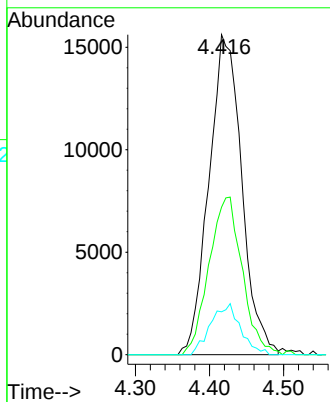
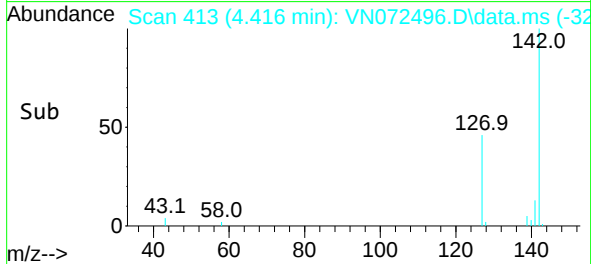


#11  
Methyl Iodide  
Concen: 25.091 ug/l  
RT: 4.416 min Scan# 413  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

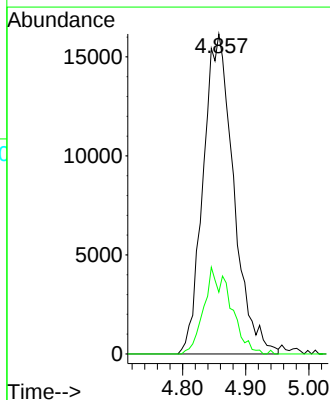
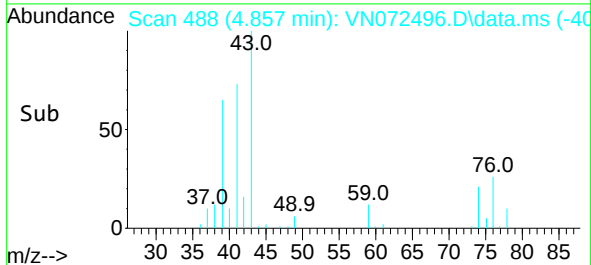
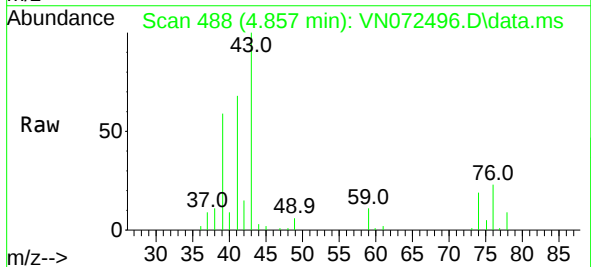


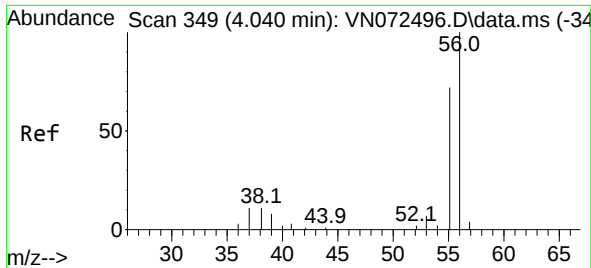
Tgt Ion:142 Resp: 47961  
Ion Ratio Lower Upper  
142 100  
127 45.8 24.0 72.0  
141 13.5 8.4 25.2



#12  
Methyl Acetate  
Concen: 27.461 ug/l  
RT: 4.857 min Scan# 488  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

Tgt Ion: 43 Resp: 54069  
Ion Ratio Lower Upper  
43 100  
74 19.5 20.8 31.2#

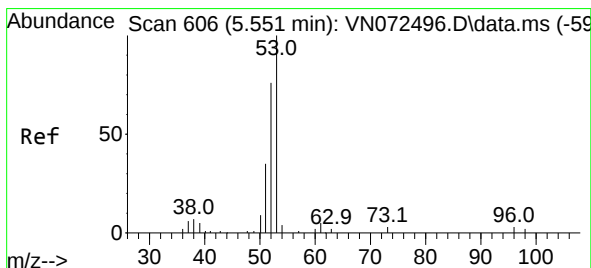
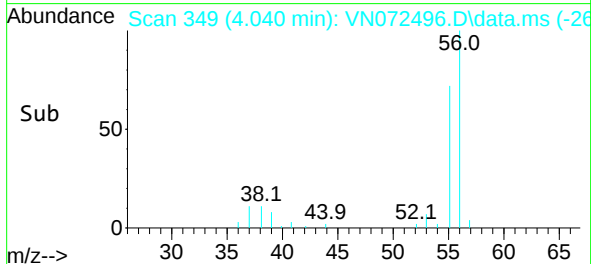
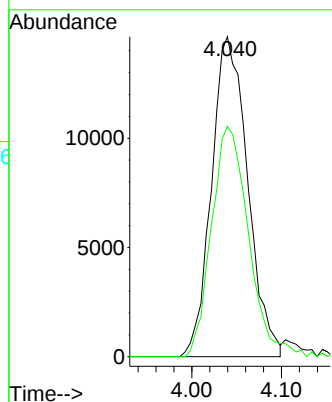
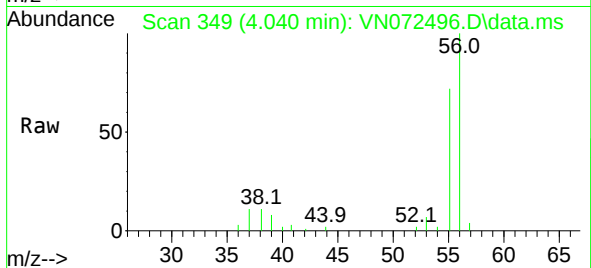




#13  
Acrolein  
Concen: 167.927 ug/l  
RT: 4.040 min Scan# 349  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

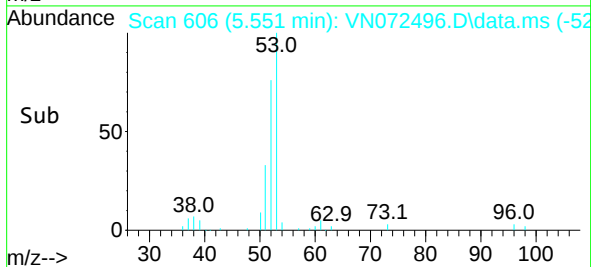
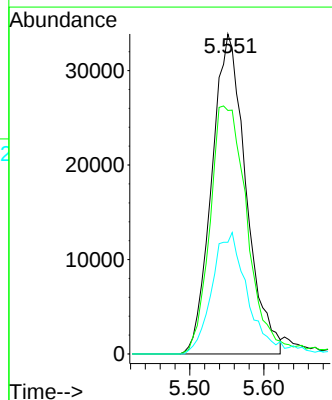
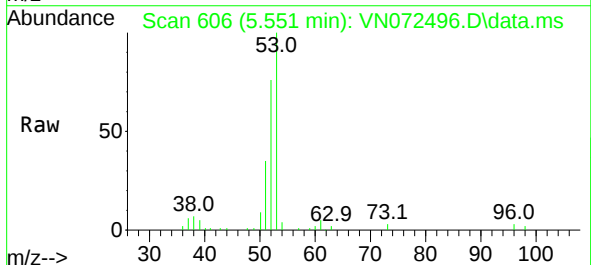
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

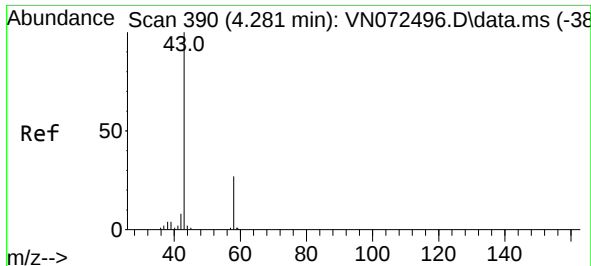
Tgt Ion: 56 Resp: 40863  
Ion Ratio Lower Upper  
56 100  
55 73.8 57.6 86.4



#14  
Acrylonitrile  
Concen: 127.764 ug/l  
RT: 5.551 min Scan# 606  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

Tgt Ion: 53 Resp: 108442  
Ion Ratio Lower Upper  
53 100  
52 43.6 41.8 125.4  
51 19.4 19.0 57.0





#15

Acetone

Concen: 122.256 ug/l

RT: 4.281 min Scan# 390

Delta R.T. 0.000 min

Lab File: VN072496.D

Acq: 16 May 2022 12:40

Instrument :

MSVOA\_N

ClientSampleId :

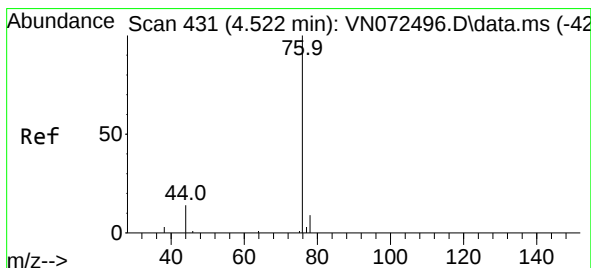
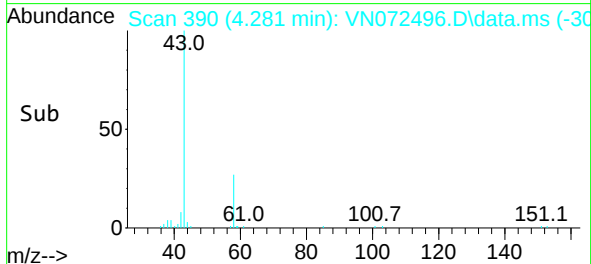
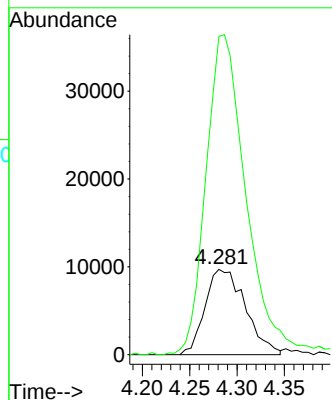
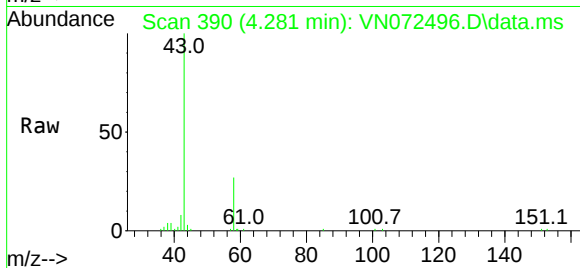
VSTDICCC020

Tgt Ion: 58 Resp: 28814

Ion Ratio Lower Upper

58 100

43 367.0 256.6 384.8



#16

Carbon Disulfide

Concen: 24.684 ug/l

RT: 4.522 min Scan# 431

Delta R.T. 0.000 min

Lab File: VN072496.D

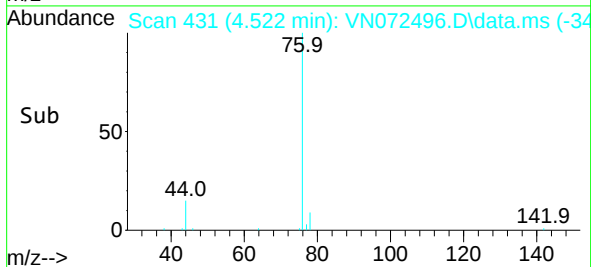
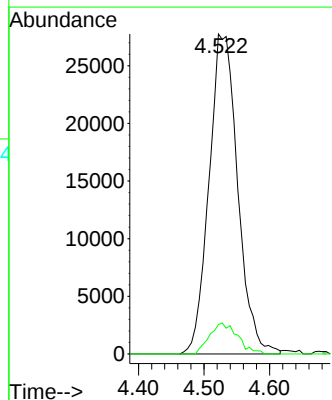
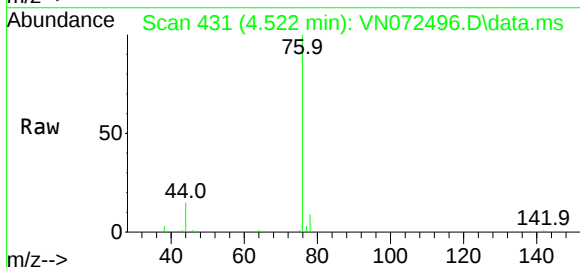
Acq: 16 May 2022 12:40

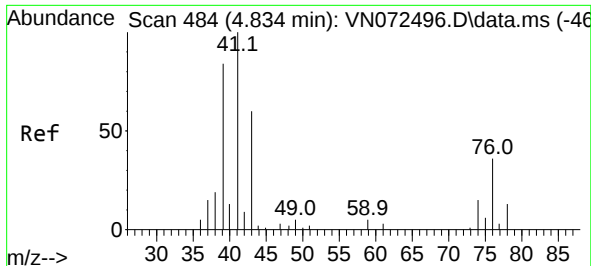
Tgt Ion: 76 Resp: 84330

Ion Ratio Lower Upper

76 100

78 9.2 7.8 11.8





#17

Allyl chloride

Concen: 26.311 ug/l

RT: 4.834 min Scan# 484

Delta R.T. 0.000 min

Lab File: VN072496.D

Acq: 16 May 2022 12:40

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC020

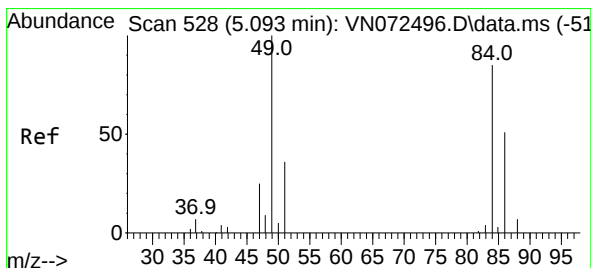
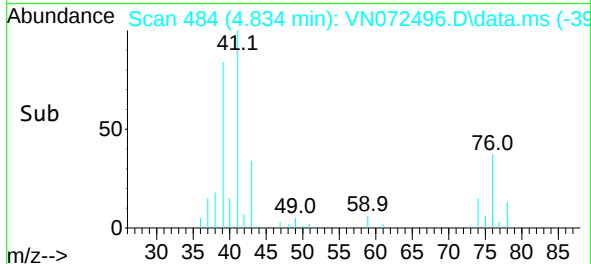
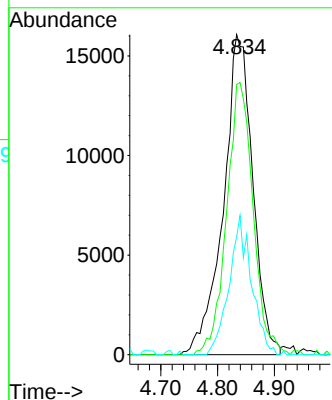
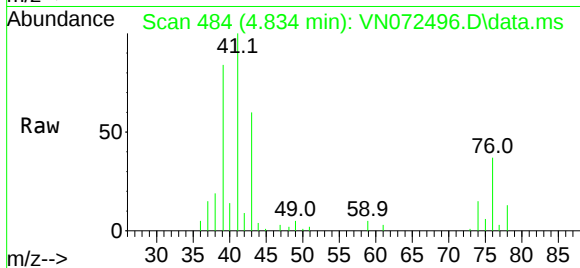
Tgt Ion: 41 Resp: 57737

Ion Ratio Lower Upper

41 100

39 84.5 44.6 134.0

76 36.9 19.6 58.7



#18

Methylene Chloride

Concen: 24.796 ug/l

RT: 5.093 min Scan# 528

Delta R.T. 0.000 min

Lab File: VN072496.D

Acq: 16 May 2022 12:40

Tgt Ion: 84 Resp: 39052

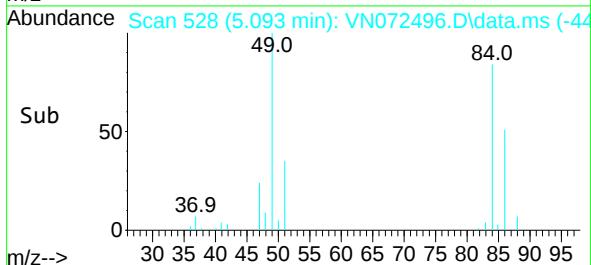
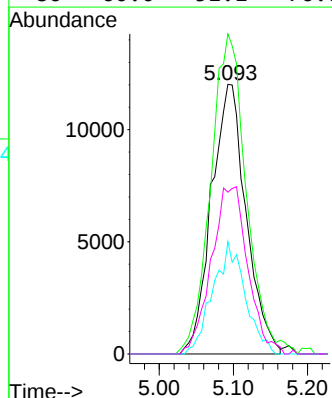
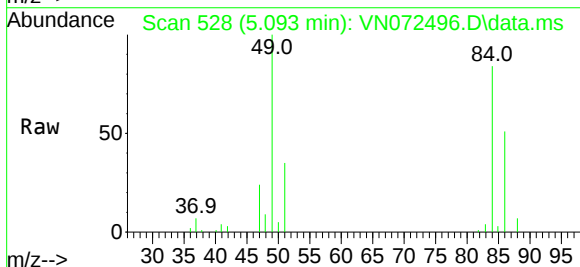
Ion Ratio Lower Upper

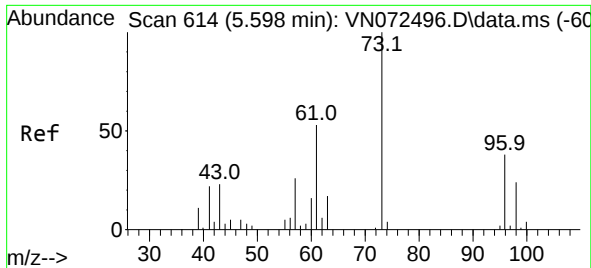
84 100

49 117.1 91.4 137.0

51 41.7 29.4 44.0

86 60.0 51.1 76.7

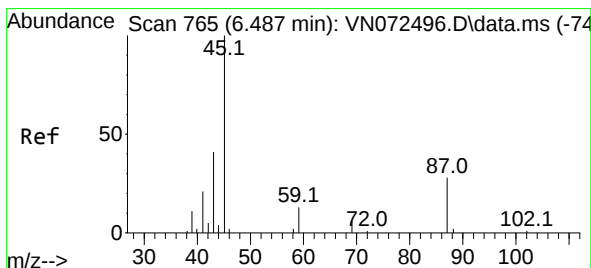
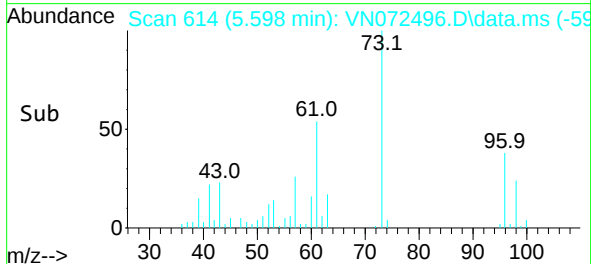
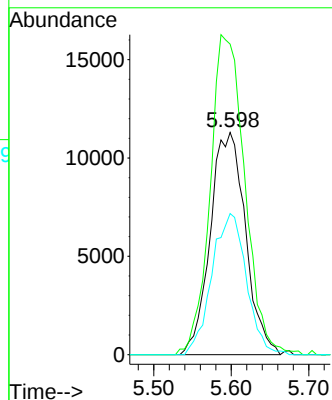
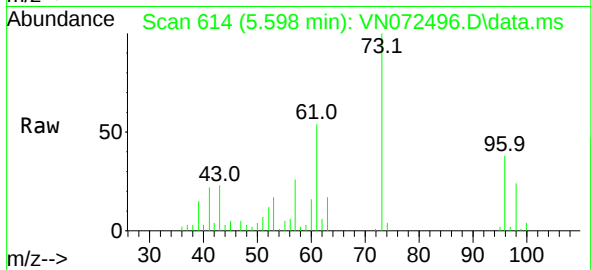




#19  
trans-1,2-Dichloroethene  
Concen: 25.258 ug/l  
RT: 5.598 min Scan# 614  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

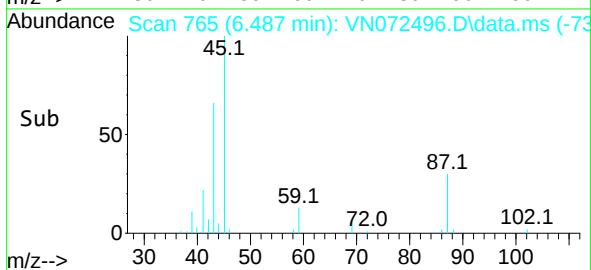
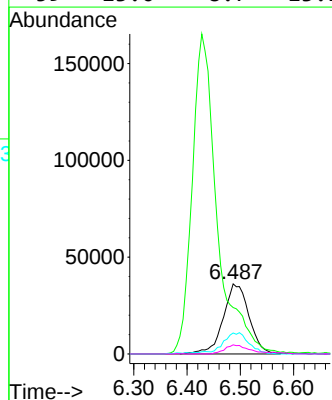
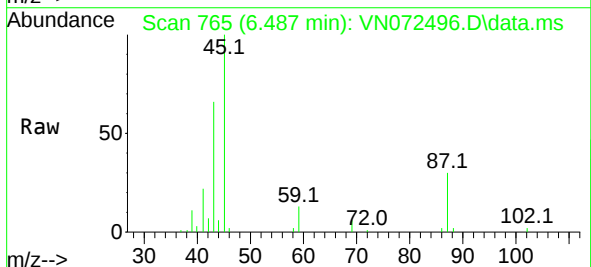
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

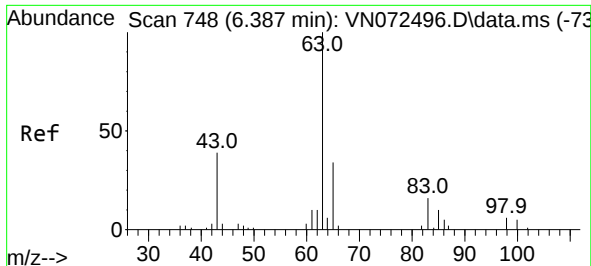
Tgt Ion: 96 Resp: 35702  
Ion Ratio Lower Upper  
96 100  
61 137.2 102.8 154.2  
98 63.5 49.3 73.9



#20  
Diisopropyl ether  
Concen: 26.563 ug/l  
RT: 6.487 min Scan# 765  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

Tgt Ion: 45 Resp: 121613  
Ion Ratio Lower Upper  
45 100  
43 63.5 51.0 76.4  
87 29.8 25.0 37.4  
59 13.0 8.7 13.1





#21

1,1-Dichloroethane

Concen: 26.216 ug/l

RT: 6.387 min Scan# 748

Delta R.T. 0.000 min

Lab File: VN072496.D

Acq: 16 May 2022 12:40

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC020

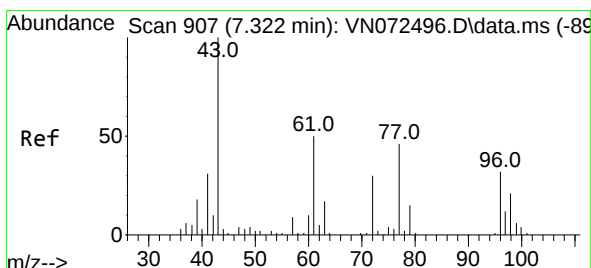
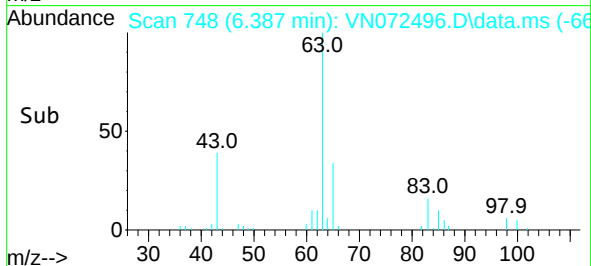
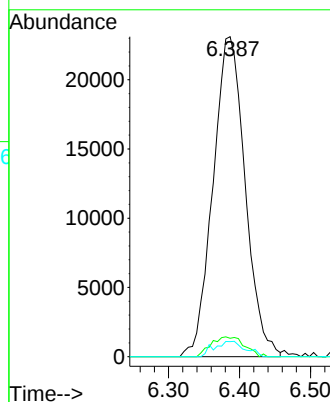
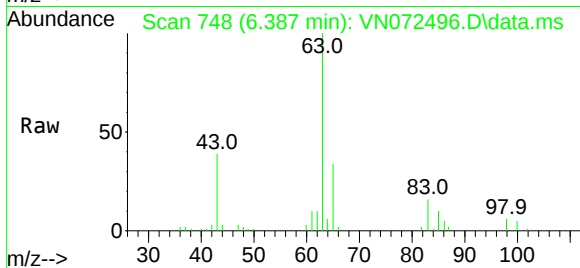
Tgt Ion: 63 Resp: 72688

Ion Ratio Lower Upper

63 100

98 5.7 3.2 9.6

100 4.7 2.1 6.2



#22

cis-1,2-Dichloroethene

Concen: 24.471 ug/l

RT: 7.322 min Scan# 907

Delta R.T. 0.000 min

Lab File: VN072496.D

Acq: 16 May 2022 12:40

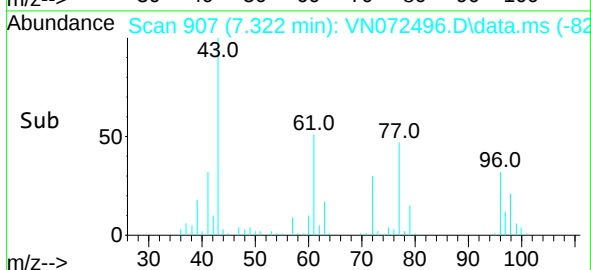
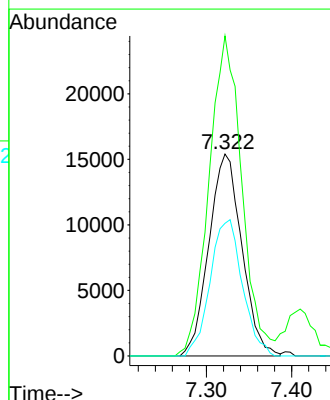
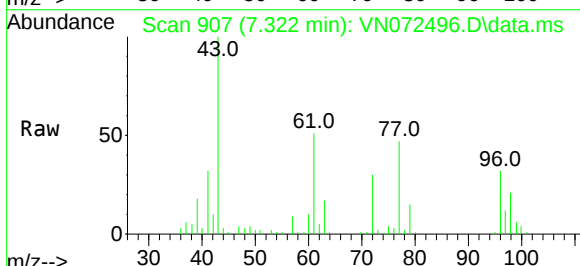
Tgt Ion: 96 Resp: 41383

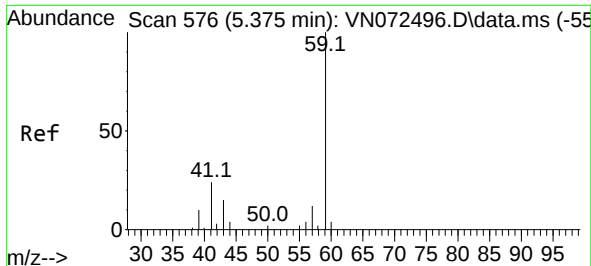
Ion Ratio Lower Upper

96 100

61 158.0 115.7 173.5

98 66.1 51.6 77.4

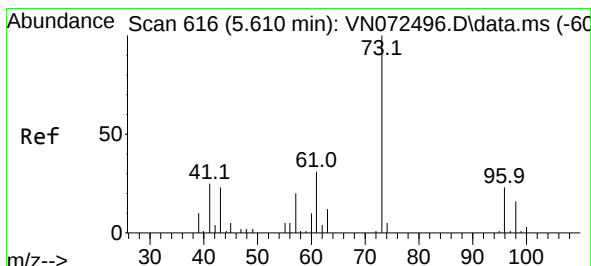
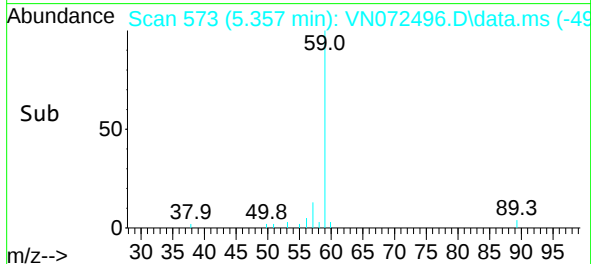
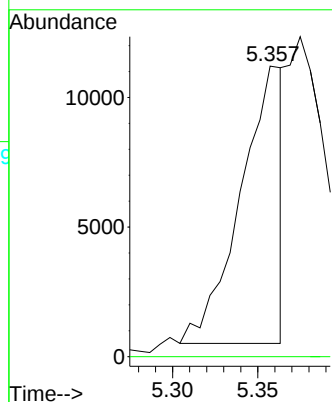
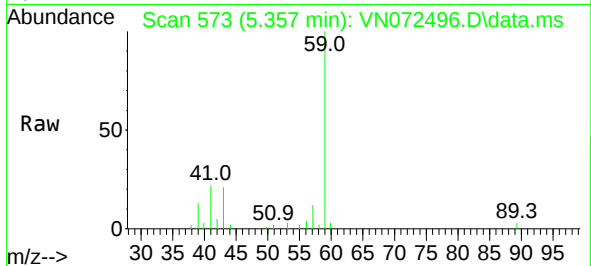




#23  
tert-Butyl Alcohol  
Concen: 56.437 ug/l  
RT: 5.357 min Scan# 51  
Delta R.T. -0.018 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

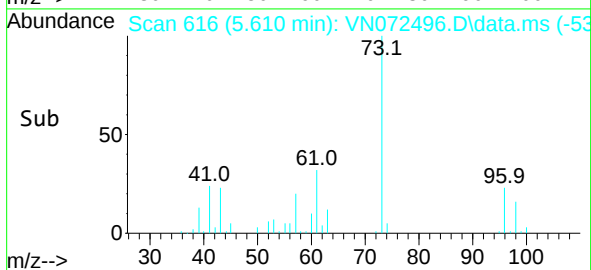
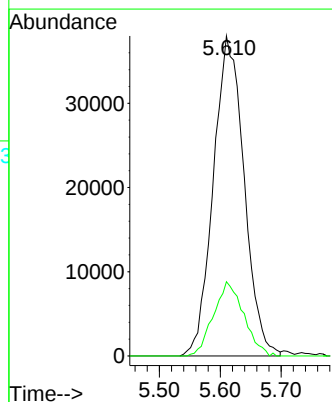
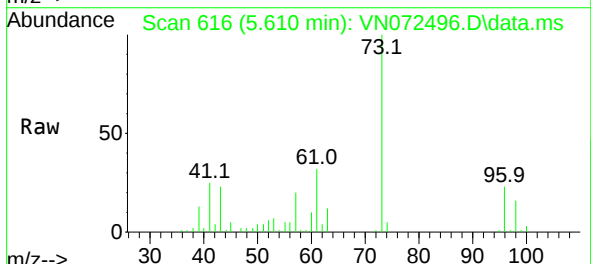
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

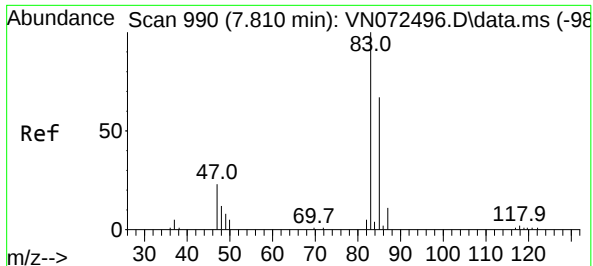
Tgt Ion: 59 Resp: 18527  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.0 0.0



#24  
Methyl tert-Butyl Ether  
Concen: 26.977 ug/l  
RT: 5.610 min Scan# 616  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

Tgt Ion: 73 Resp: 133284  
Ion Ratio Lower Upper  
73 100  
43 22.7 18.1 27.1





#25

Chloroform

Concen: 27.725 ug/l

RT: 7.810 min Scan# 990

Delta R.T. 0.000 min

Lab File: VN072496.D

Acq: 16 May 2022 12:40

Instrument :

MSVOA\_N

ClientSampleId :

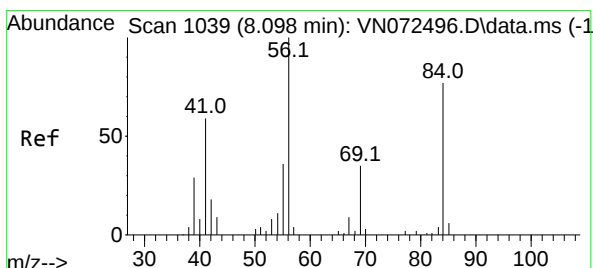
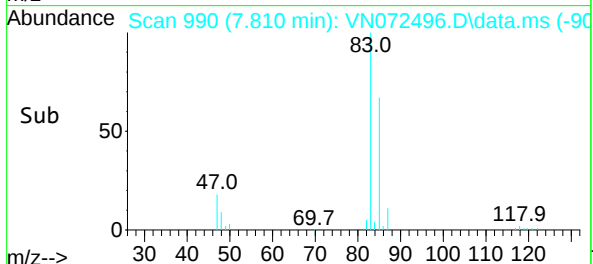
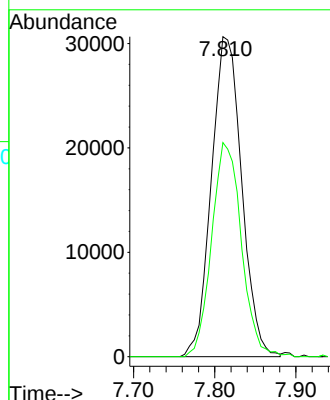
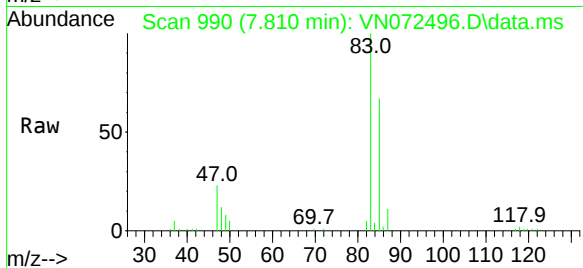
VSTDICCC020

Tgt Ion: 83 Resp: 79409

Ion Ratio Lower Upper

83 100

85 66.9 51.3 76.9



#26

Cyclohexane

Concen: 25.392 ug/l

RT: 8.098 min Scan# 1039

Delta R.T. 0.000 min

Lab File: VN072496.D

Acq: 16 May 2022 12:40

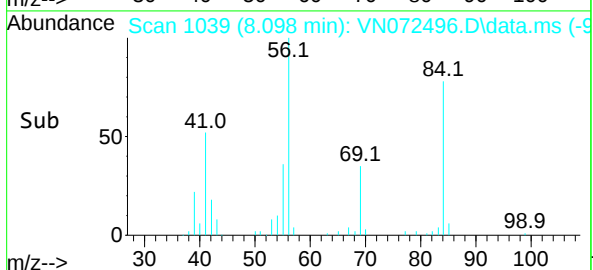
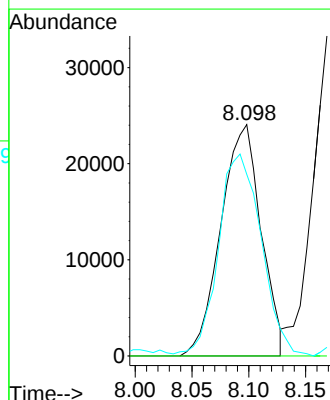
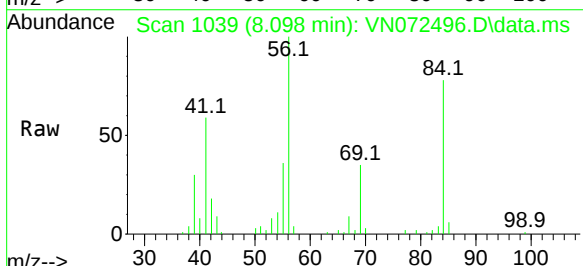
Tgt Ion: 56 Resp: 59280

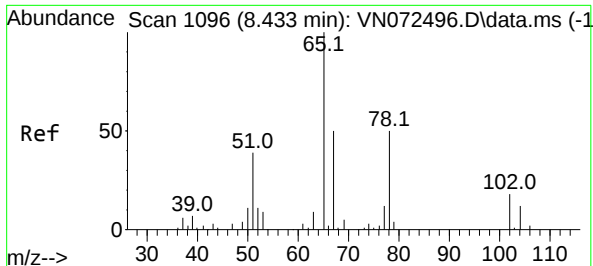
Ion Ratio Lower Upper

56 100

89 0.0 0.1 0.1#

84 93.2 74.6 111.8

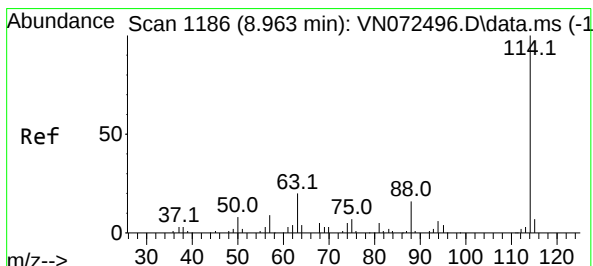
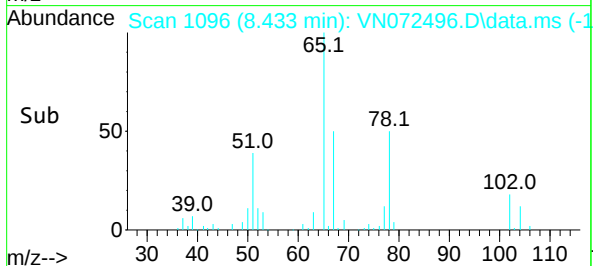
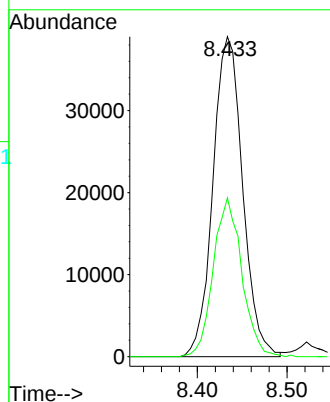
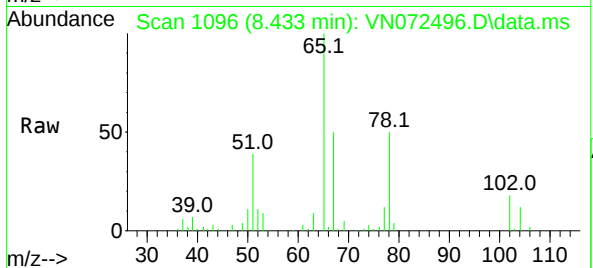




#27  
1,2-Dichloroethane-d4  
Concen: 40.406 ug/l  
RT: 8.433 min Scan# 1096  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

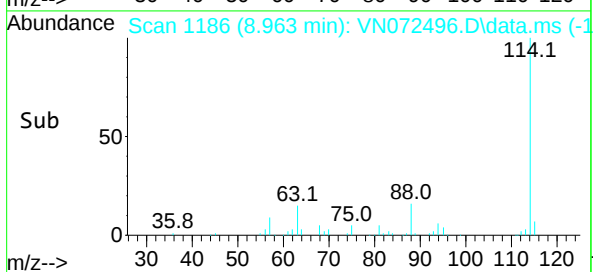
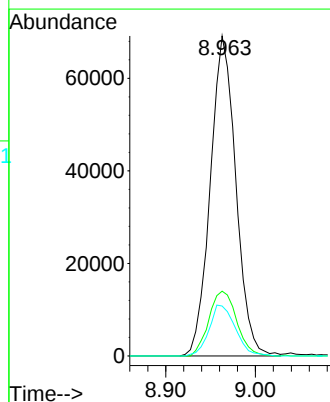
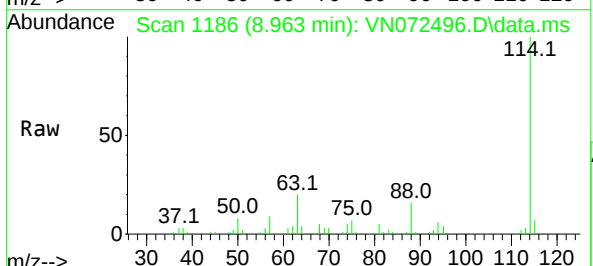
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

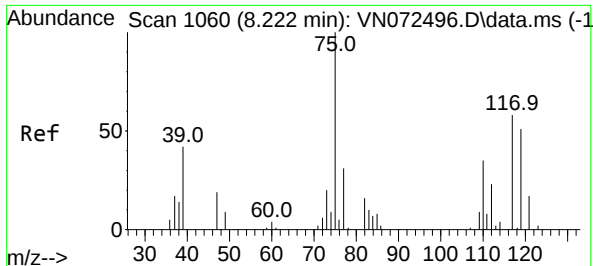
Tgt Ion: 65 Resp: 89578  
Ion Ratio Lower Upper  
65 100  
67 47.6 40.2 60.2



#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 8.963 min Scan# 1186  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

Tgt Ion: 114 Resp: 137069  
Ion Ratio Lower Upper  
114 100  
63 22.0 15.8 23.6  
88 16.3 11.6 17.4

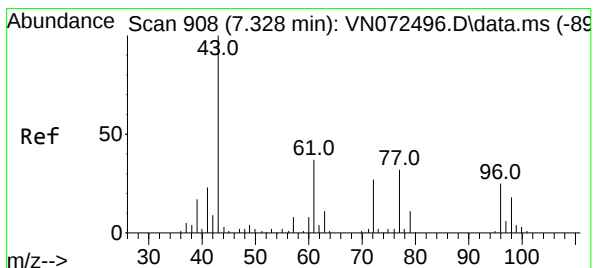
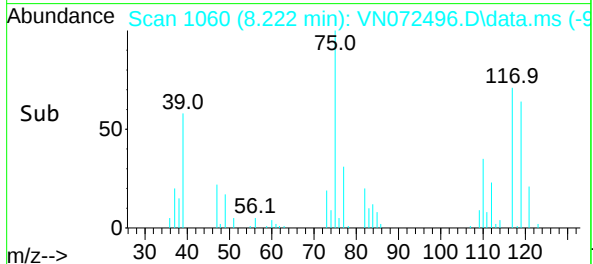
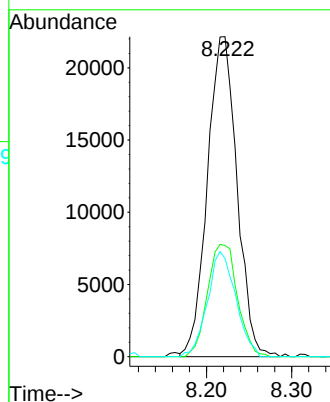
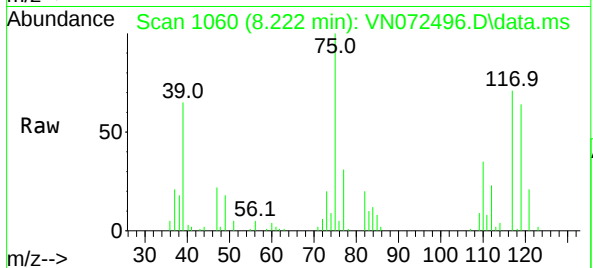




#29  
1,1-Dichloropropene  
Concen: 25.544 ug/l  
RT: 8.222 min Scan# 1060  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

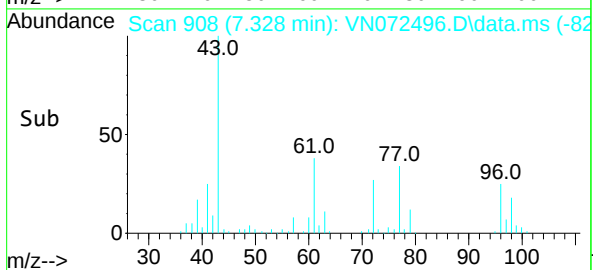
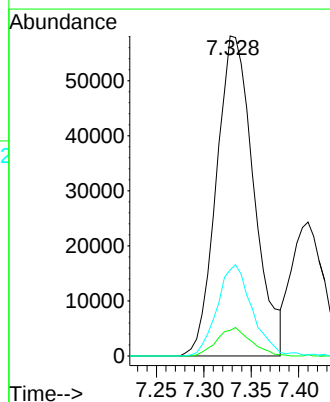
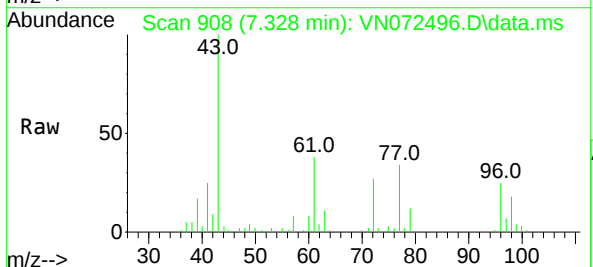
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

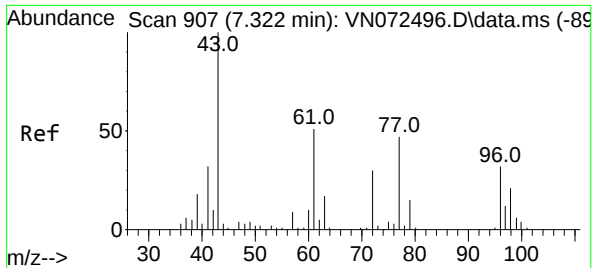
Tgt Ion: 75 Resp: 53514  
Ion Ratio Lower Upper  
75 100  
110 35.5 0.0 74.2  
77 31.5 0.0 63.2



#30  
2-Butanone  
Concen: 133.260 ug/l  
RT: 7.328 min Scan# 908  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

Tgt Ion: 43 Resp: 159522  
Ion Ratio Lower Upper  
43 100  
57 8.1 6.7 10.1  
72 26.3 23.2 34.8

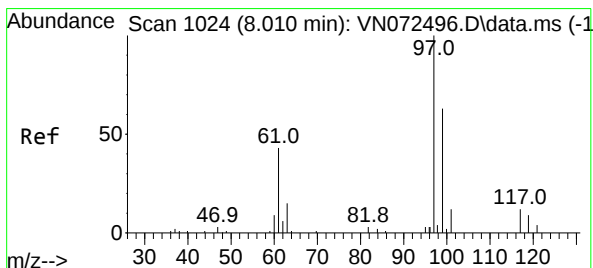
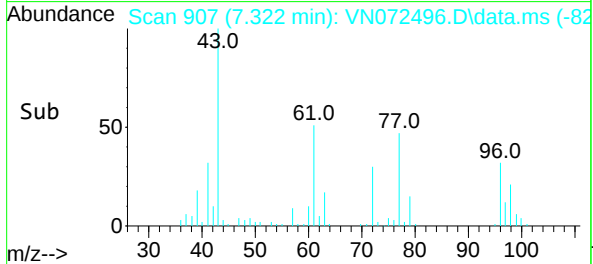
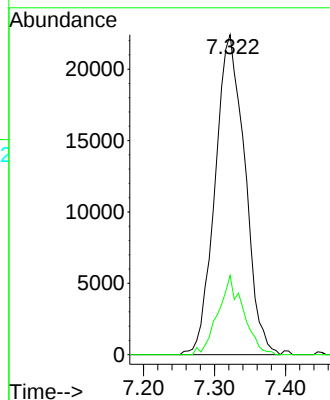
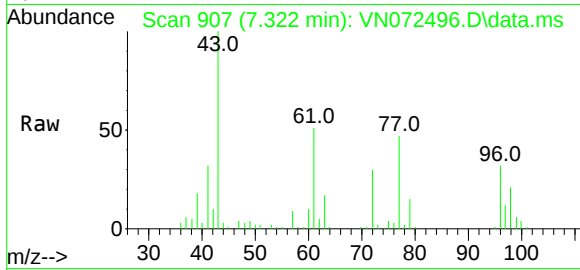




#31  
2,2-Dichloropropane  
Concen: 26.597 ug/l  
RT: 7.322 min Scan# 907  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

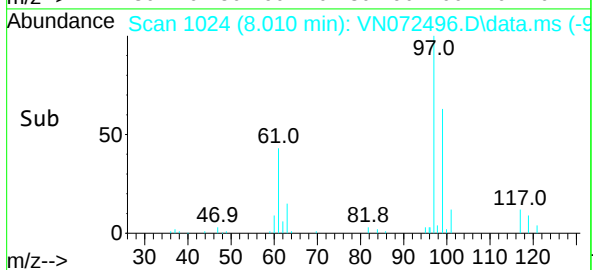
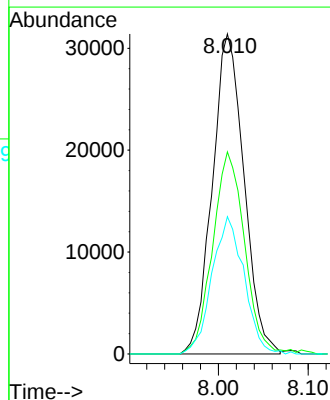
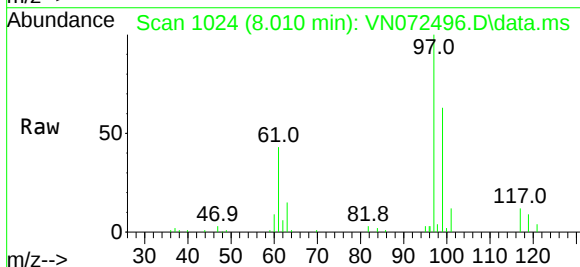
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

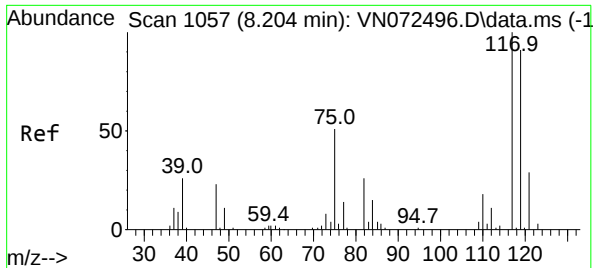
Tgt Ion: 77 Resp: 65190  
Ion Ratio Lower Upper  
77 100  
97 21.2 18.3 27.5



#32  
1,1,1-Trichloroethane  
Concen: 29.043 ug/l  
RT: 8.010 min Scan# 1024  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

Tgt Ion: 97 Resp: 76869  
Ion Ratio Lower Upper  
97 100  
99 63.5 50.4 75.6  
61 43.3 34.6 51.8

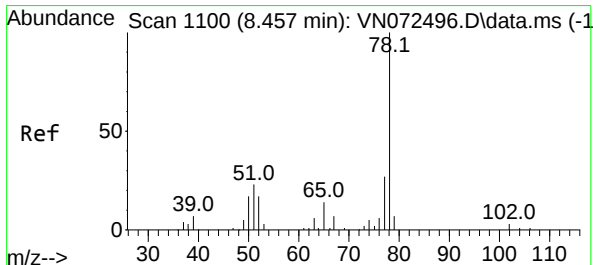
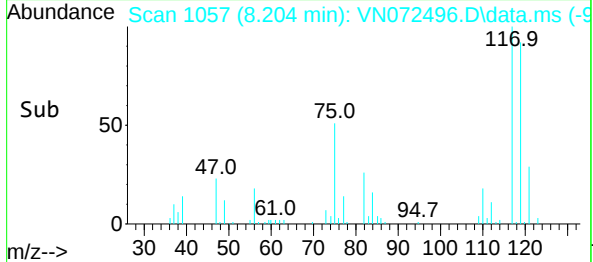
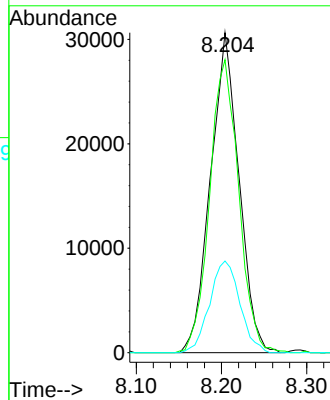
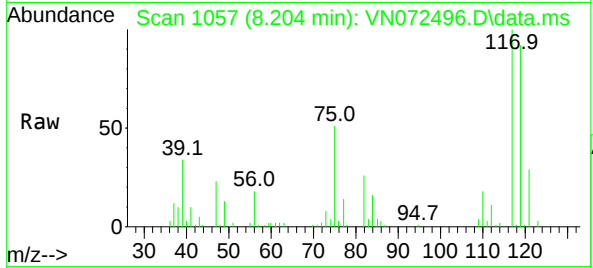




#33  
Carbon Tetrachloride  
Concen: 30.611 ug/l  
RT: 8.204 min Scan# 11092  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

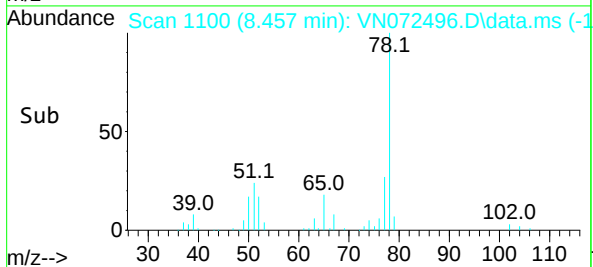
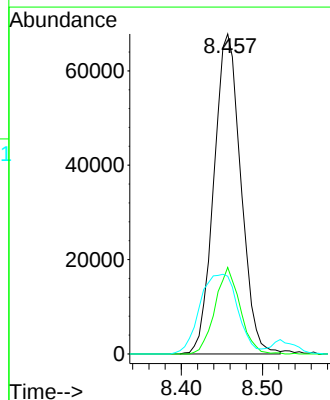
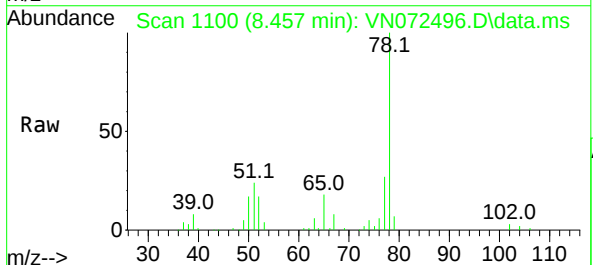
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

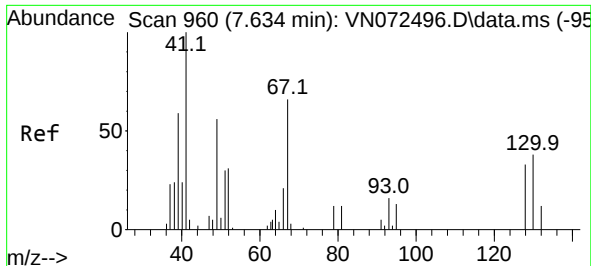
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 71092 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 91.0  | 77.5  | 116.3 |
| 121      | 28.7  | 23.5  | 35.3  |



#34  
Benzene  
Concen: 24.525 ug/l  
RT: 8.457 min Scan# 1100  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 78    | Resp: | 156326 |
| Ion      | Ratio | Lower | Upper  |
| 78       | 100   |       |        |
| 77       | 27.0  | 19.1  | 28.7   |
| 51       | 23.3  | 16.0  | 24.0   |

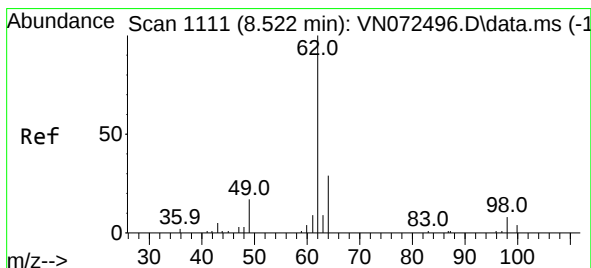
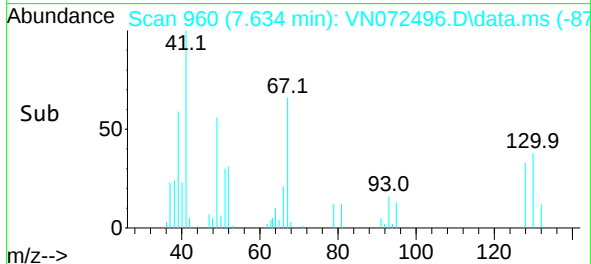
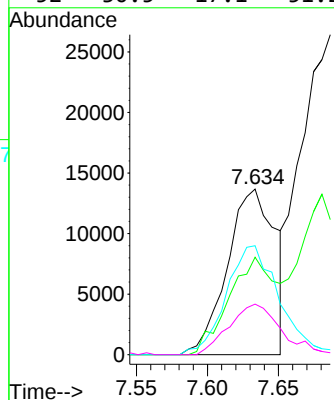
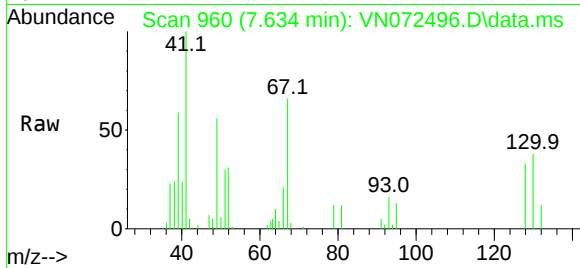




#35  
Methacrylonitrile  
Concen: 27.501 ug/l  
RT: 7.634 min Scan# 960  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

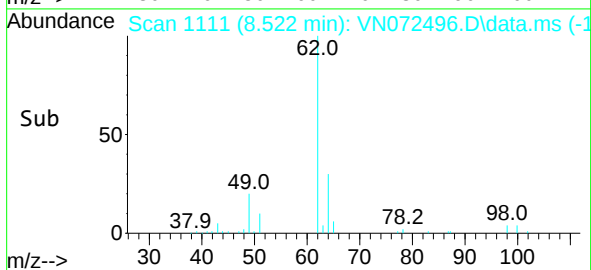
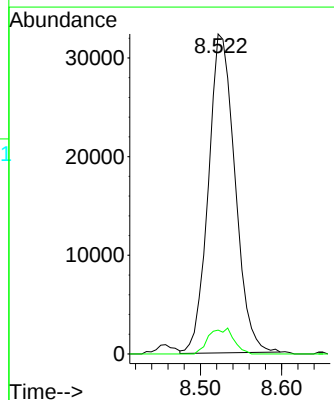
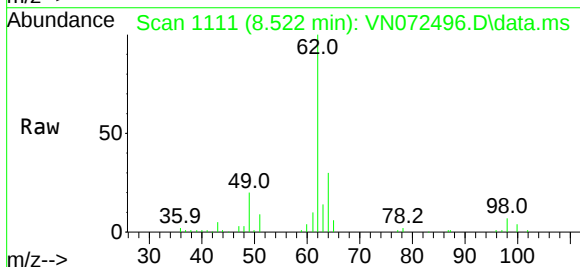
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

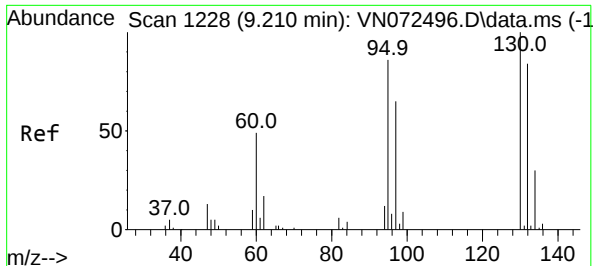
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 32110 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 57.3  | 28.0  | 83.9  |
| 67       | 65.8  | 37.7  | 113.1 |
| 52       | 30.5  | 17.1  | 51.2  |



#36  
1,2-Dichloroethane  
Concen: 29.461 ug/l  
RT: 8.522 min Scan# 1111  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 73662 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 4.8   | 6.6   | 10.0# |





#37

Trichloroethene

Concen: 25.060 ug/l

RT: 9.210 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN072496.D

Acq: 16 May 2022 12:40

Instrument :

MSVOA\_N

ClientSampleId :

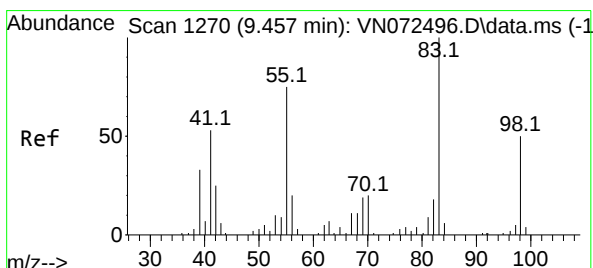
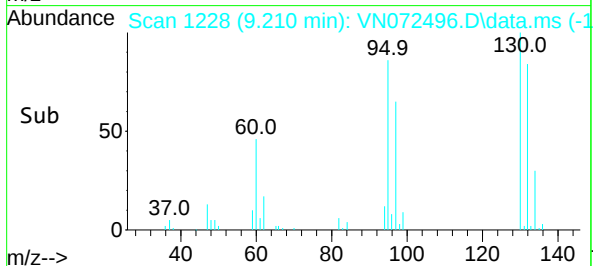
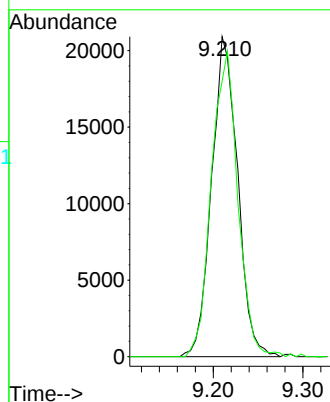
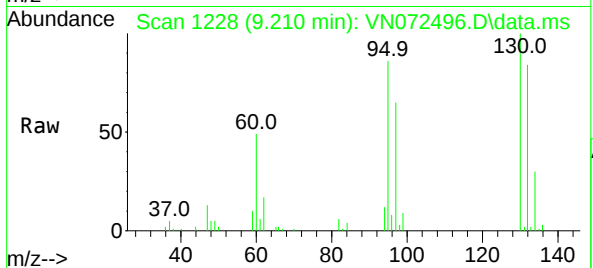
VSTDICCC020

Tgt Ion:130 Resp: 42019

Ion Ratio Lower Upper

130 100

95 86.0 76.6 115.0



#38

Methylcyclohexane

Concen: 24.334 ug/l

RT: 9.457 min Scan# 1270

Delta R.T. 0.000 min

Lab File: VN072496.D

Acq: 16 May 2022 12:40

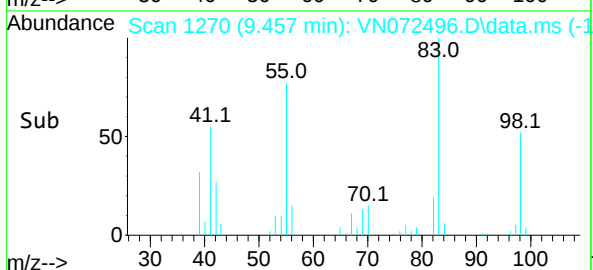
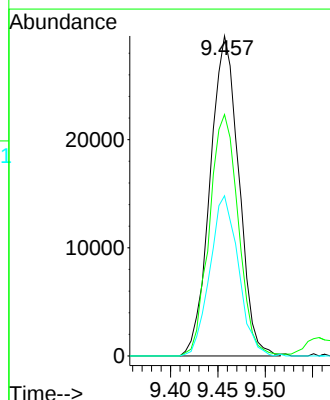
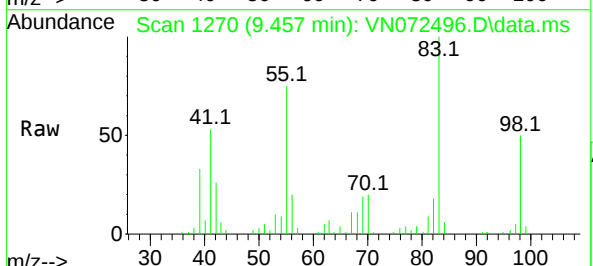
Tgt Ion: 83 Resp: 62463

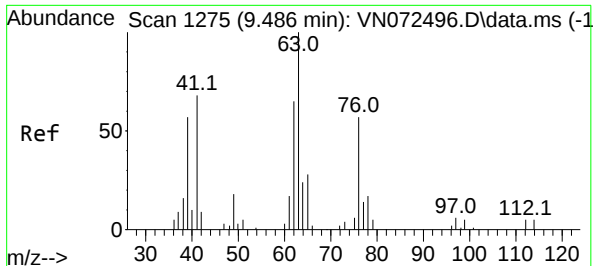
Ion Ratio Lower Upper

83 100

55 76.2 35.1 105.3

98 49.6 23.4 70.2





#39

1,2-Dichloropropane

Concen: 24.890 ug/l

RT: 9.486 min Scan# 1275

Delta R.T. 0.000 min

Lab File: VN072496.D

Acq: 16 May 2022 12:40

Instrument :

MSVOA\_N

ClientSampleId :

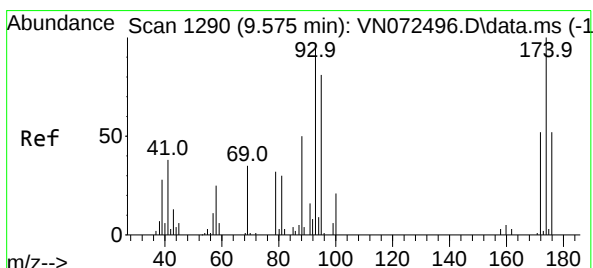
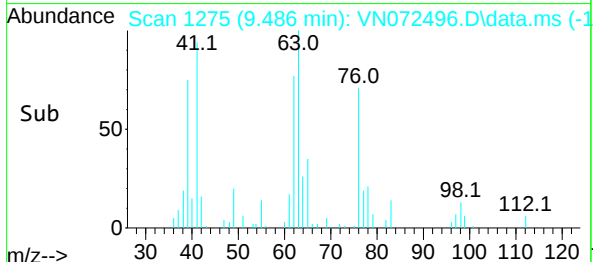
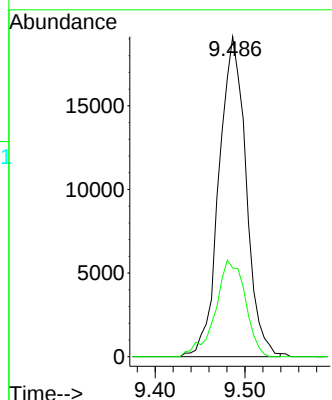
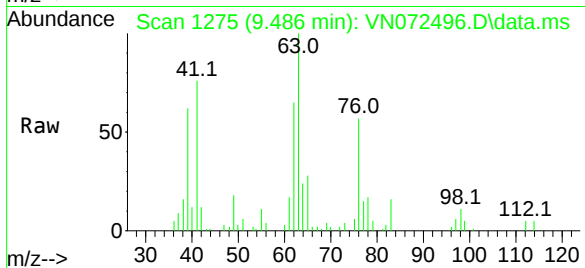
VSTDICCC020

Tgt Ion: 63 Resp: 40055

Ion Ratio Lower Upper

63 100

65 27.8 24.2 36.4



#40

Dibromomethane

Concen: 26.917 ug/l

RT: 9.575 min Scan# 1290

Delta R.T. 0.000 min

Lab File: VN072496.D

Acq: 16 May 2022 12:40

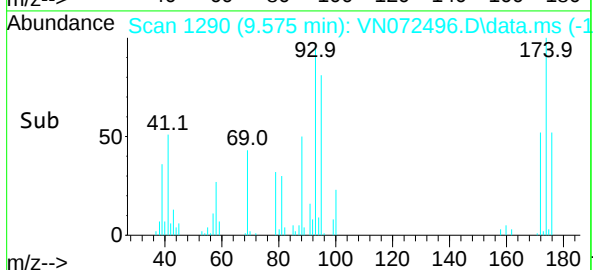
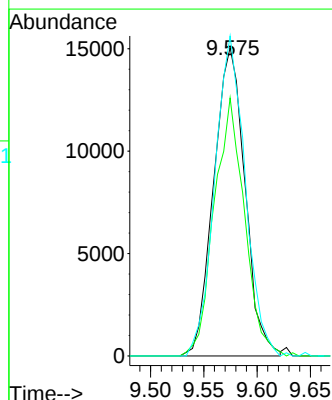
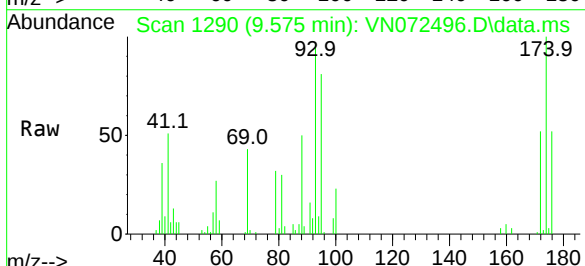
Tgt Ion: 93 Resp: 30662

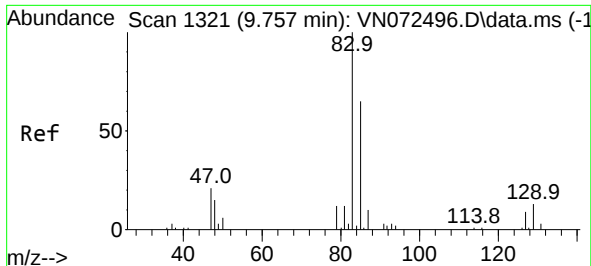
Ion Ratio Lower Upper

93 100

95 81.0 0.0 168.8

174 100.9 0.0 173.6

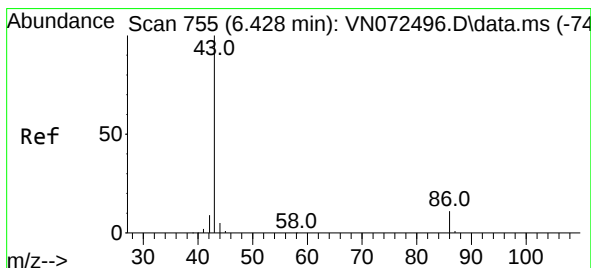
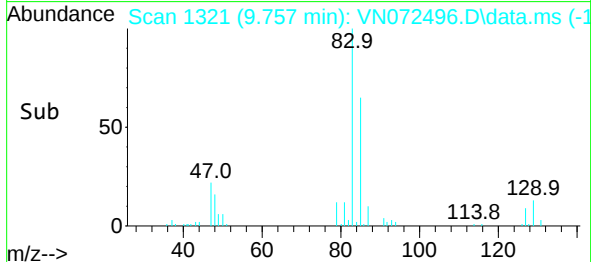
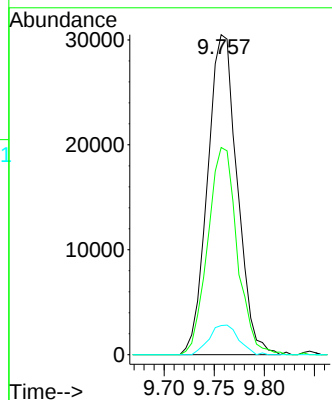
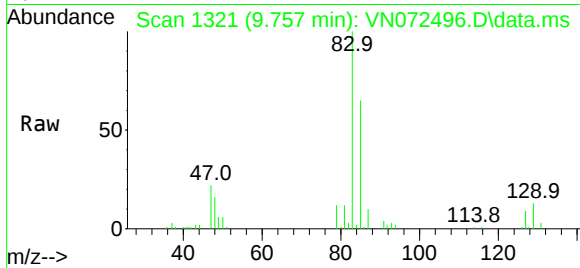




#41  
Bromodichloromethane  
Concen: 27.248 ug/l  
RT: 9.757 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

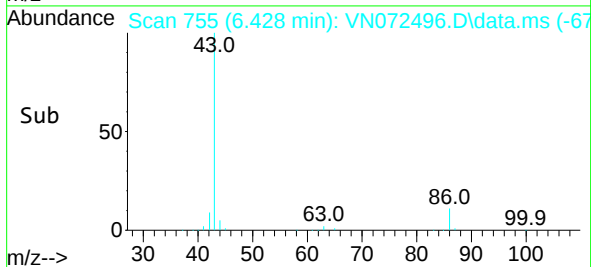
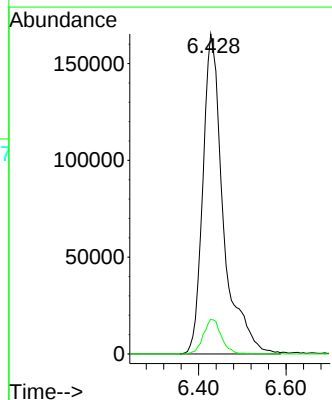
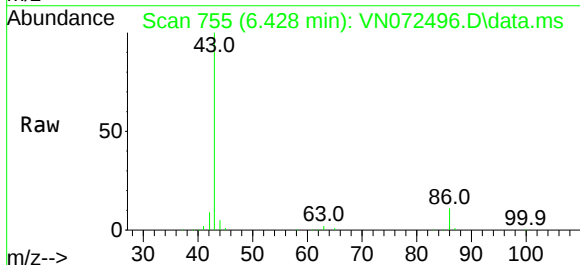
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

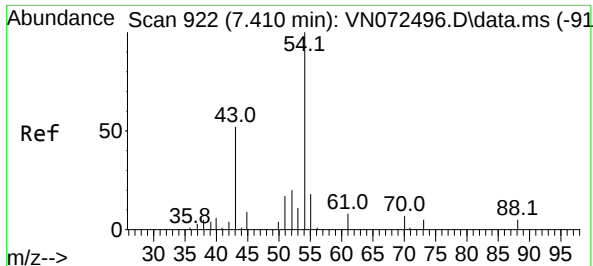
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 62801 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 64.8  | 54.1  | 81.1  |
| 127      | 10.3  | 7.6   | 11.4  |



#42  
Vinyl Acetate  
Concen: 131.832 ug/l  
RT: 6.428 min Scan# 755  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 538097 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 86       | 9.5   | 7.5   | 11.3   |





#43

Ethyl Acetate

Concen: 26.103 ug/l

RT: 7.410 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN072496.D

Acq: 16 May 2022 12:40

Instrument :

MSVOA\_N

ClientSampleId :

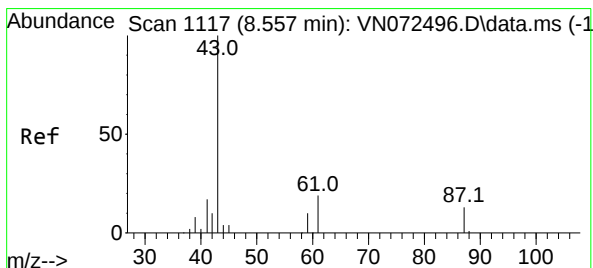
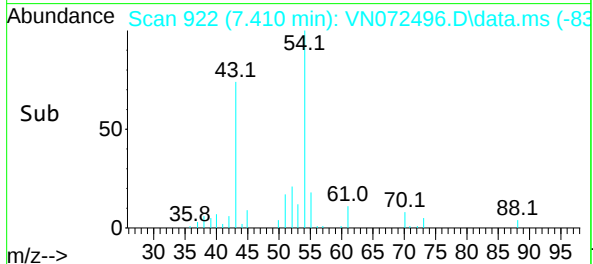
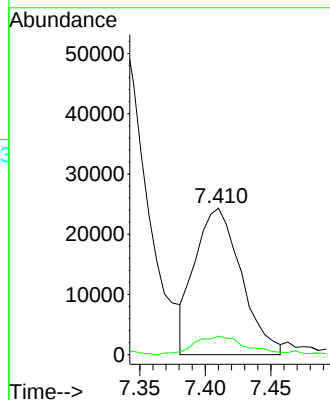
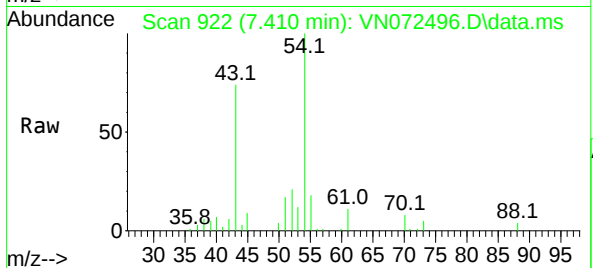
VSTDICCC020

Tgt Ion: 43 Resp: 59571

Ion Ratio Lower Upper

43 100

45 14.1 10.6 16.0



#44

Isopropyl Acetate

Concen: 26.085 ug/l

RT: 8.557 min Scan# 1117

Delta R.T. 0.000 min

Lab File: VN072496.D

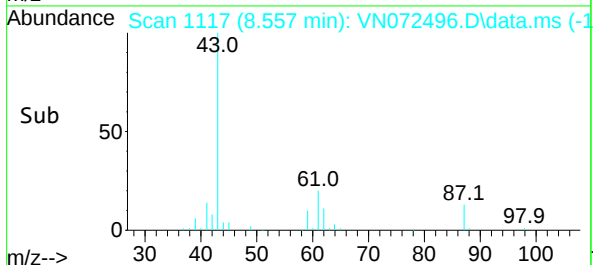
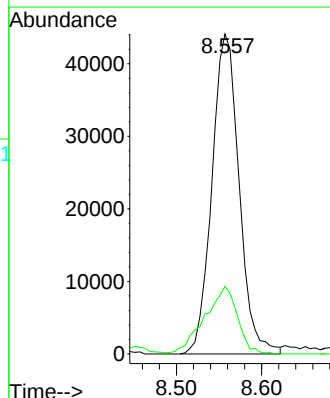
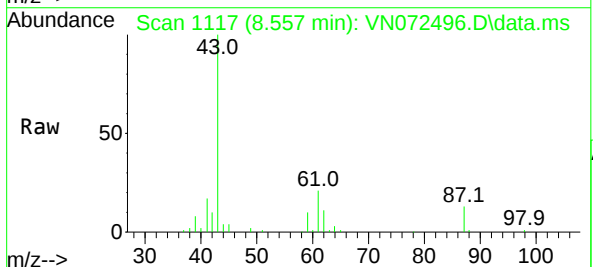
Acq: 16 May 2022 12:40

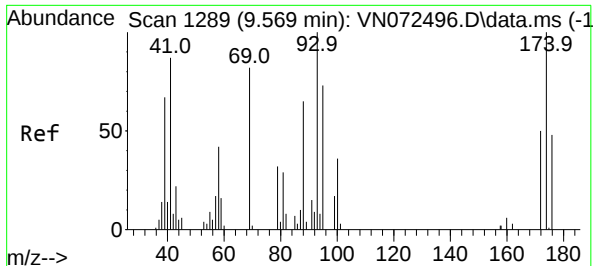
Tgt Ion: 43 Resp: 97869

Ion Ratio Lower Upper

43 100

61 25.5 20.1 30.1





#45

1,4-Dioxane

Concen: 520.771 ug/l

RT: 9.569 min Scan# 1289

Delta R.T. 0.000 min

Lab File: VN072496.D

Acq: 16 May 2022 12:40

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC020

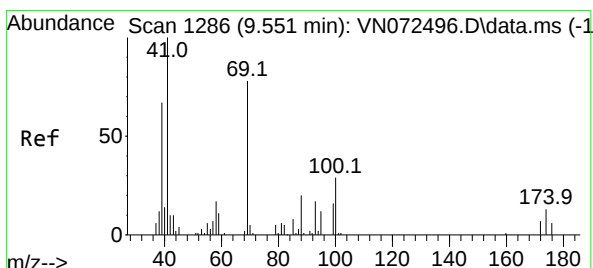
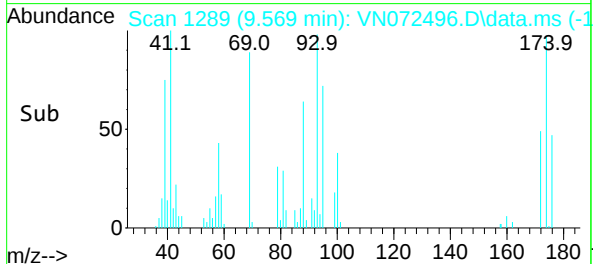
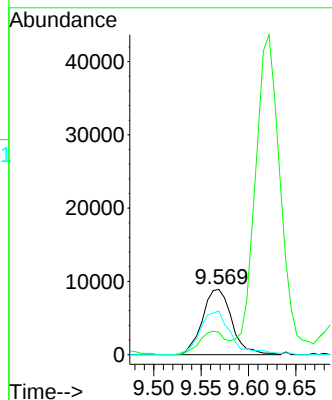
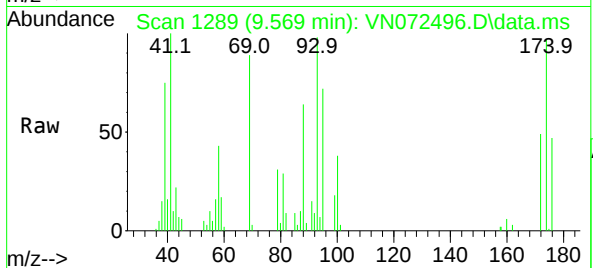
Tgt Ion: 88 Resp: 19185

Ion Ratio Lower Upper

88 100

43 32.8 25.0 37.6

58 67.9 49.4 74.2



#46

Methyl methacrylate

Concen: 26.084 ug/l

RT: 9.551 min Scan# 1286

Delta R.T. 0.000 min

Lab File: VN072496.D

Acq: 16 May 2022 12:40

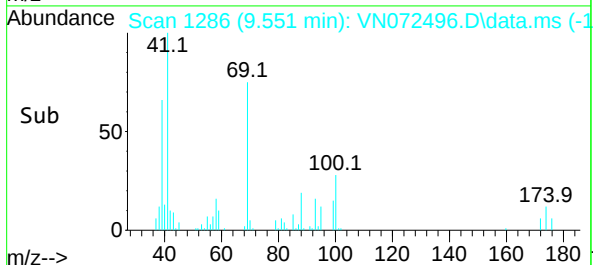
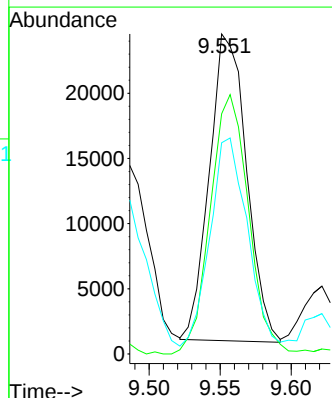
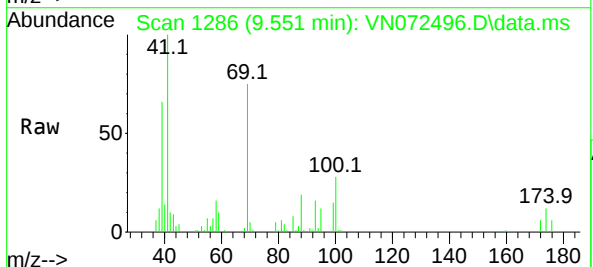
Tgt Ion: 41 Resp: 42870

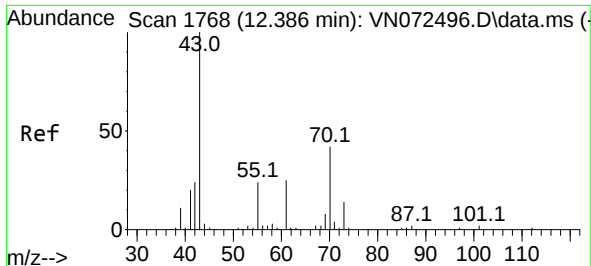
Ion Ratio Lower Upper

41 100

69 77.3 44.4 133.2

39 66.6 39.9 119.6





#47

n-amyl acetate

Concen: 25.025 ug/l

RT: 12.386 min Scan# 1768

Delta R.T. 0.000 min

Lab File: VN072496.D

Acq: 16 May 2022 12:40

Instrument :

MSVOA\_N

ClientSampleId :

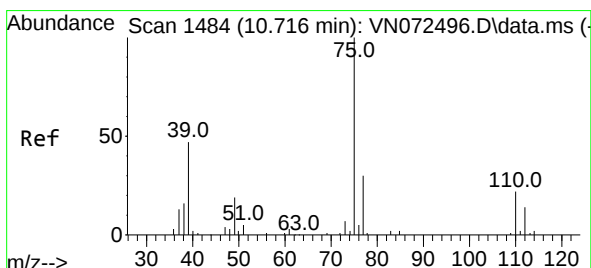
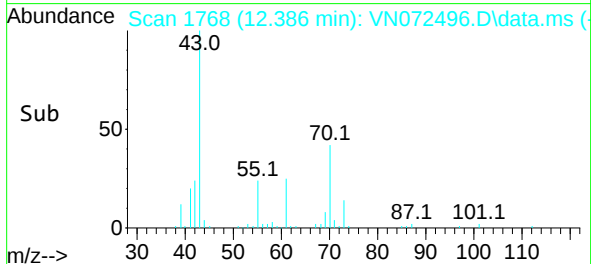
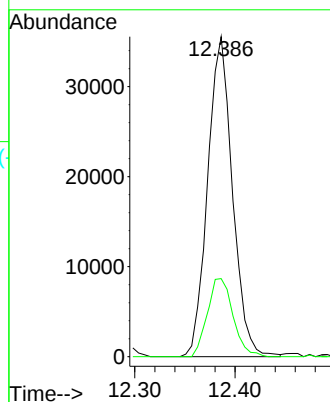
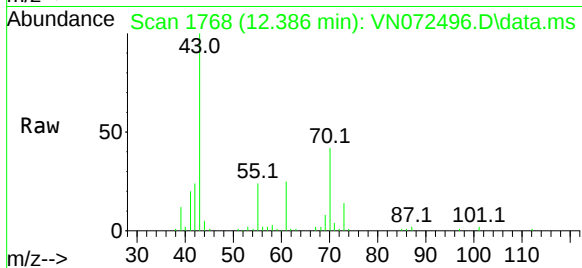
VSTDICCC020

Tgt Ion: 43 Resp: 61164

Ion Ratio Lower Upper

43 100

55 25.2 19.0 28.6



#48

t-1,3-Dichloropropene

Concen: 26.052 ug/l

RT: 10.716 min Scan# 1484

Delta R.T. 0.000 min

Lab File: VN072496.D

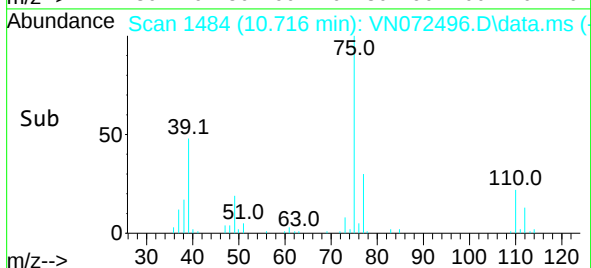
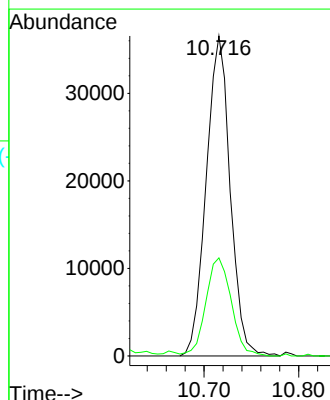
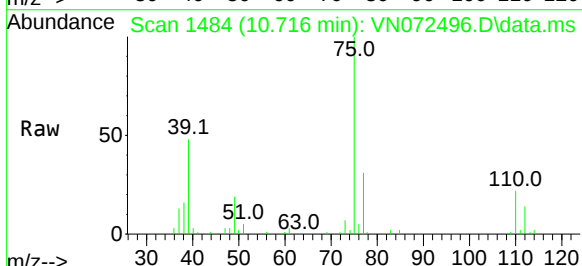
Acq: 16 May 2022 12:40

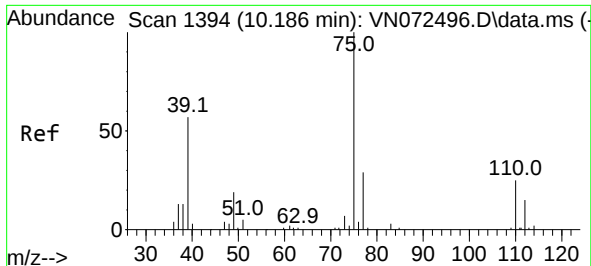
Tgt Ion: 75 Resp: 64251

Ion Ratio Lower Upper

75 100

77 30.7 25.3 37.9





#49

cis-1,3-Dichloropropene

Concen: 25.357 ug/l

RT: 10.186 min Scan# 1394

Delta R.T. 0.000 min

Lab File: VN072496.D

Acq: 16 May 2022 12:40

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC020

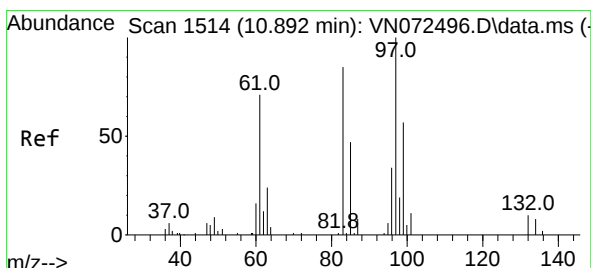
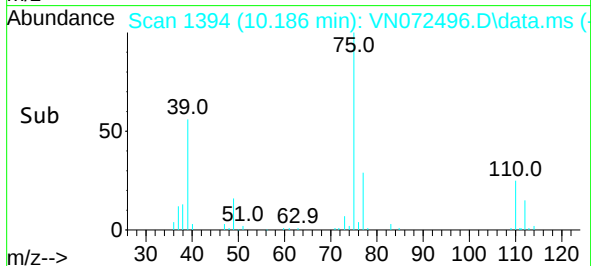
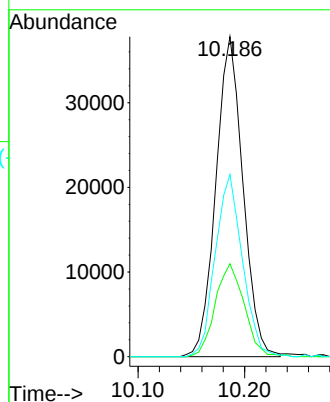
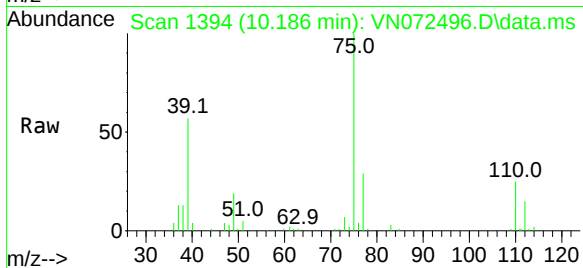
Tgt Ion: 75 Resp: 66835

Ion Ratio Lower Upper

75 100

77 29.0 25.3 37.9

39 56.9 46.2 69.4



#50

1,1,2-Trichloroethane

Concen: 25.076 ug/l

RT: 10.892 min Scan# 1514

Delta R.T. 0.000 min

Lab File: VN072496.D

Acq: 16 May 2022 12:40

Tgt Ion: 97 Resp: 40997

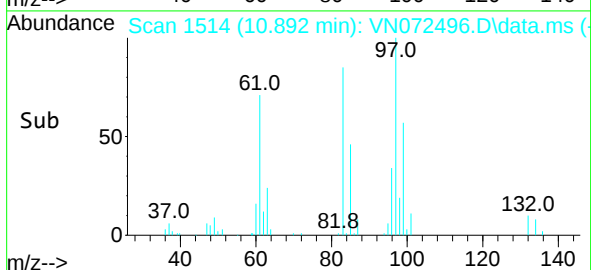
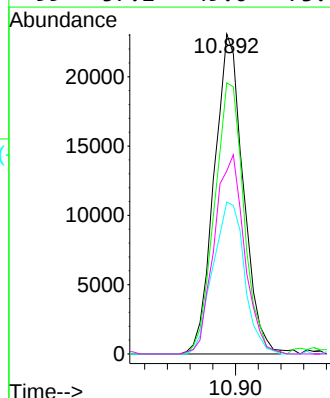
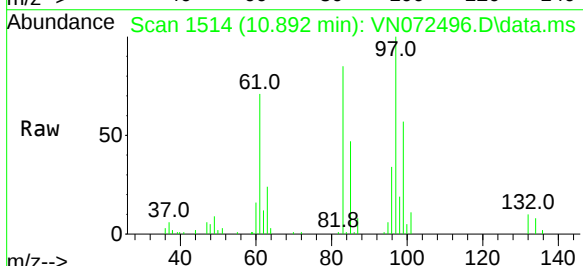
Ion Ratio Lower Upper

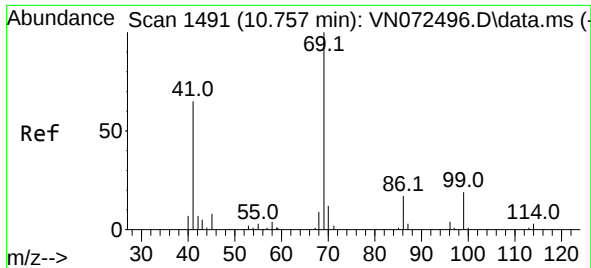
97 100

83 84.8 67.2 100.8

85 47.5 43.0 64.4

99 57.2 49.0 73.4

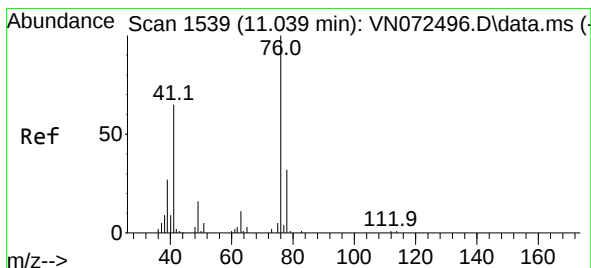
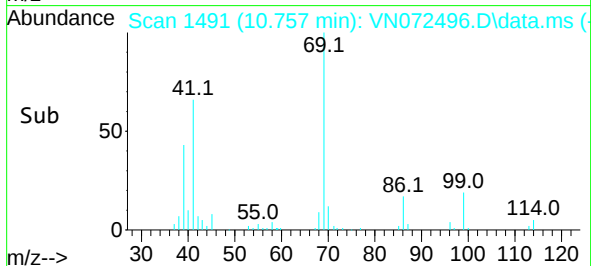
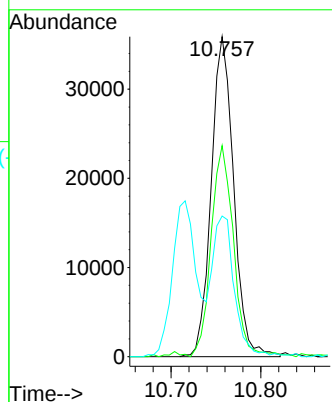
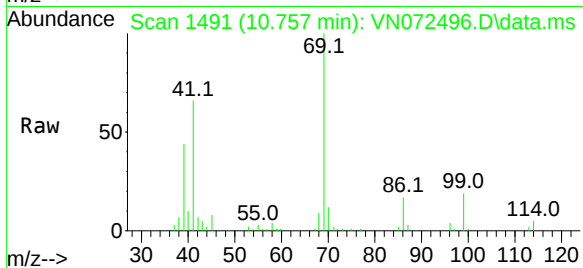




#51  
Ethyl methacrylate  
Concen: 24.575 ug/l  
RT: 10.757 min Scan# 1491  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

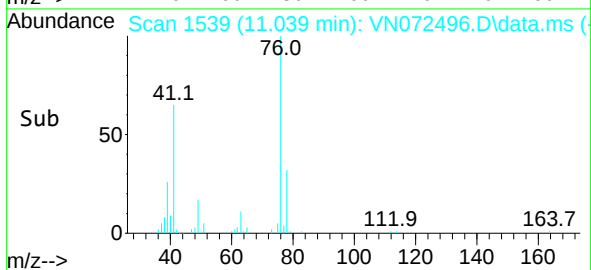
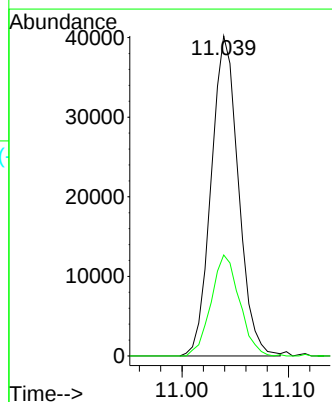
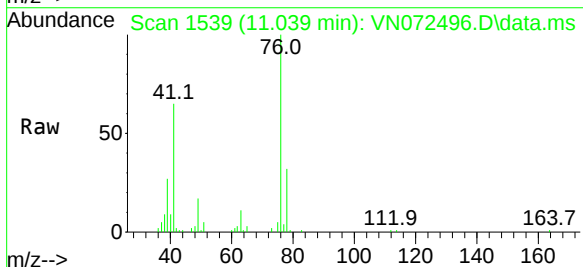
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

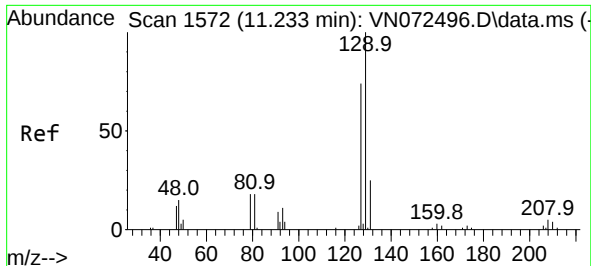
Tgt Ion: 69 Resp: 62241  
Ion Ratio Lower Upper  
69 100  
41 65.4 33.0 98.9  
39 43.4 25.4 76.4



#52  
1,3-Dichloropropane  
Concen: 25.377 ug/l  
RT: 11.039 min Scan# 1539  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

Tgt Ion: 76 Resp: 71363  
Ion Ratio Lower Upper  
76 100  
78 32.9 0.0 65.4

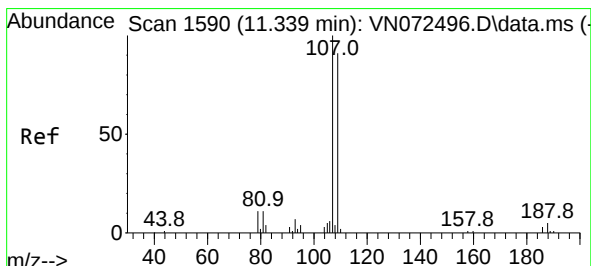
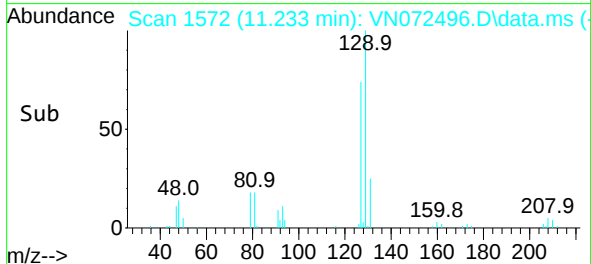
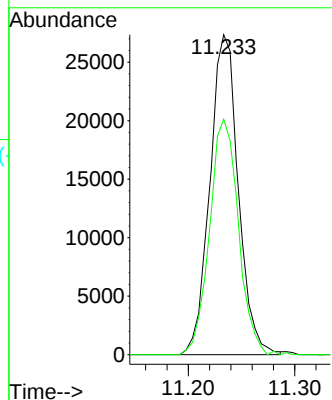
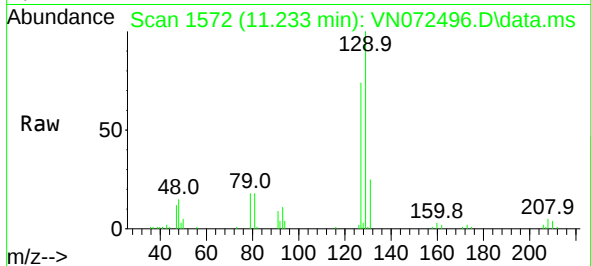




#53  
Dibromochloromethane  
Concen: 27.928 ug/l  
RT: 11.233 min Scan# 1572  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

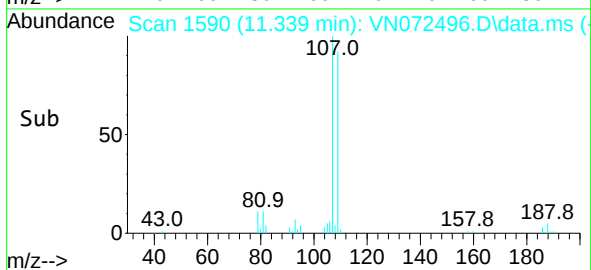
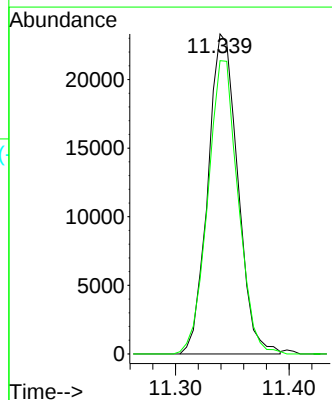
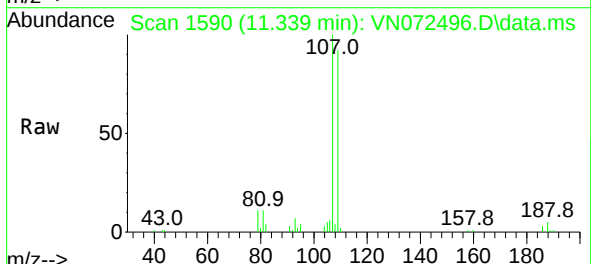
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

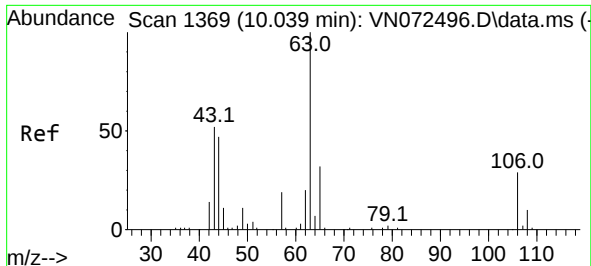
Tgt Ion:129 Resp: 50643  
Ion Ratio Lower Upper  
129 100  
127 74.4 39.0 117.0



#54  
1,2-Dibromoethane  
Concen: 25.153 ug/l  
RT: 11.339 min Scan# 1590  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

Tgt Ion:107 Resp: 42635  
Ion Ratio Lower Upper  
107 100  
109 92.8 72.8 109.2





#55

2-Chloroethyl vinyl ether

Concen: 113.361 ug/l

RT: 10.039 min Scan# 1369

Delta R.T. 0.000 min

Lab File: VN072496.D

Acq: 16 May 2022 12:40

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC020

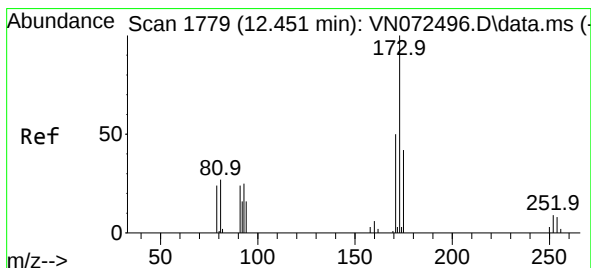
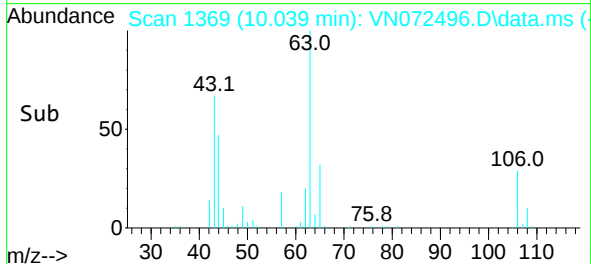
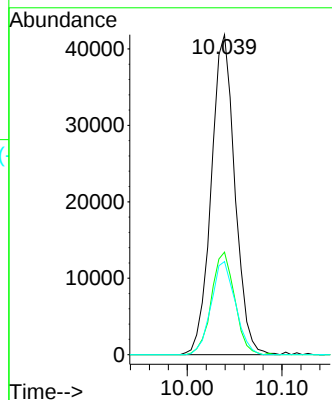
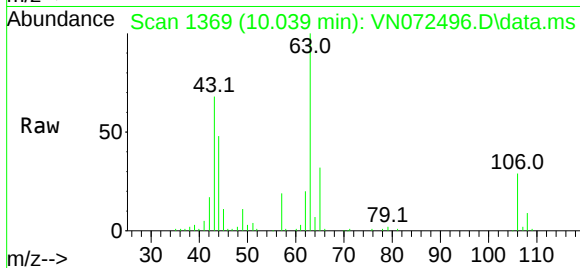
Tgt Ion: 63 Resp: 72605

Ion Ratio Lower Upper

63 100

65 31.4 25.4 38.0

106 29.8 23.2 34.8



#56

Bromoform

Concen: 26.203 ug/l

RT: 12.451 min Scan# 1779

Delta R.T. 0.000 min

Lab File: VN072496.D

Acq: 16 May 2022 12:40

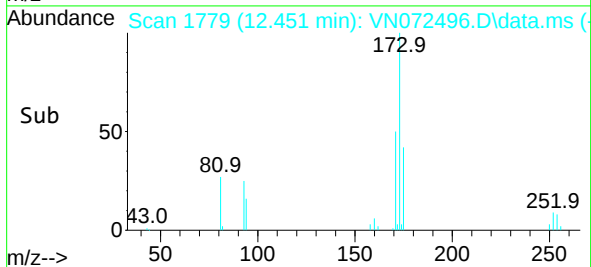
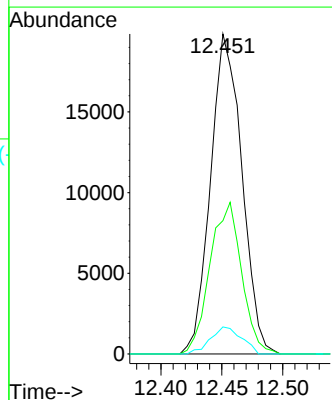
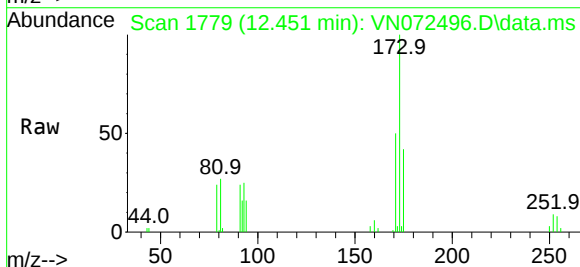
Tgt Ion: 173 Resp: 35536

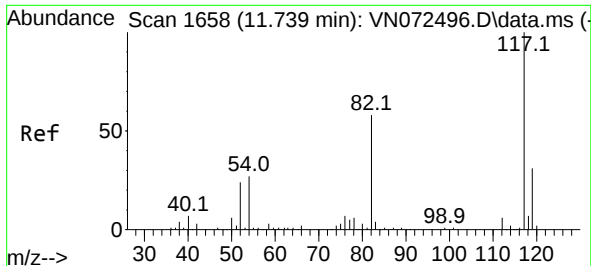
Ion Ratio Lower Upper

173 100

175 47.8 38.6 58.0

254 8.4 0.0 0.0#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.739 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN072496.D

Acq: 16 May 2022 12:40

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC020

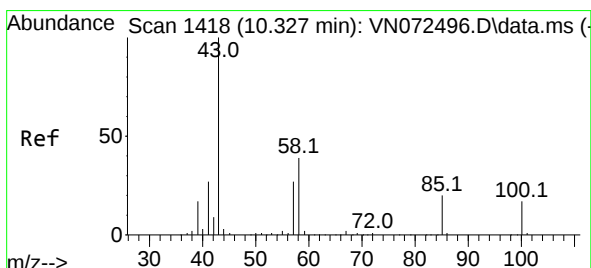
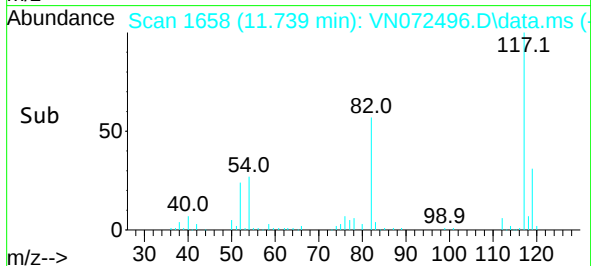
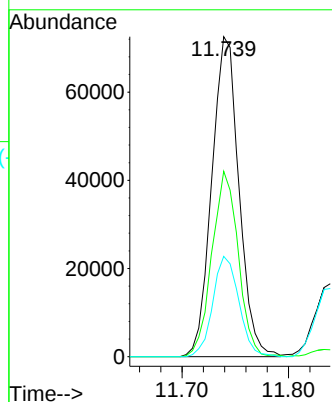
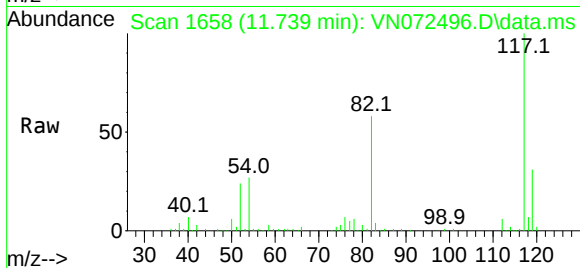
Tgt Ion:117 Resp: 128425

Ion Ratio Lower Upper

117 100

82 55.9 43.6 65.4

119 30.2 25.8 38.6



#58

4-Methyl-2-Pentanone

Concen: 132.641 ug/l

RT: 10.327 min Scan# 1418

Delta R.T. 0.000 min

Lab File: VN072496.D

Acq: 16 May 2022 12:40

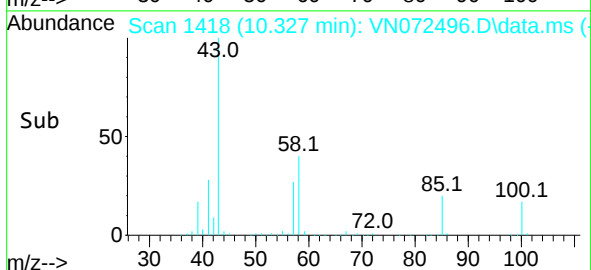
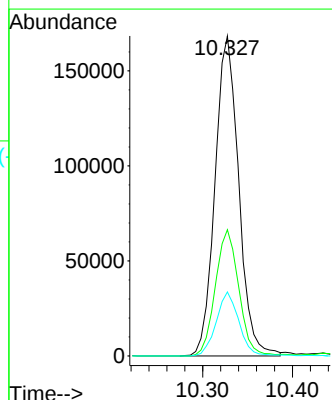
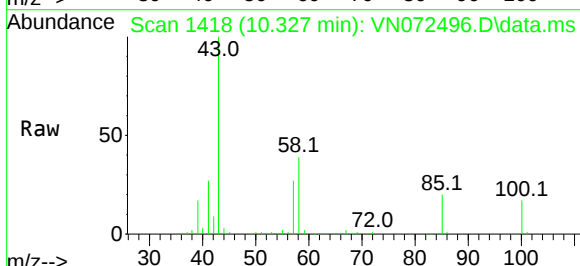
Tgt Ion: 43 Resp: 308743

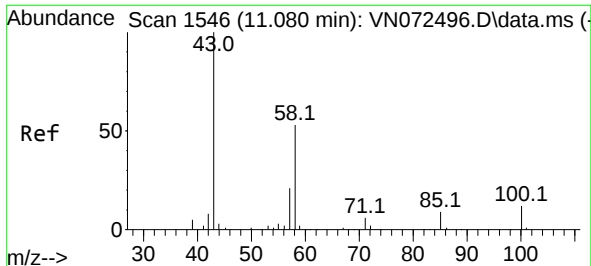
Ion Ratio Lower Upper

43 100

58 38.8 30.0 45.0

85 19.3 15.0 22.6





#59

2-Hexanone

Concen: 132.489 ug/l

RT: 11.080 min Scan# 1546

Delta R.T. 0.000 min

Lab File: VN072496.D

Acq: 16 May 2022 12:40

Instrument :

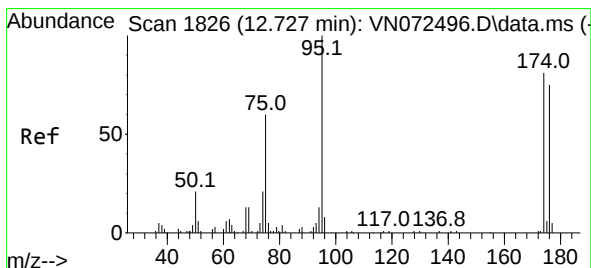
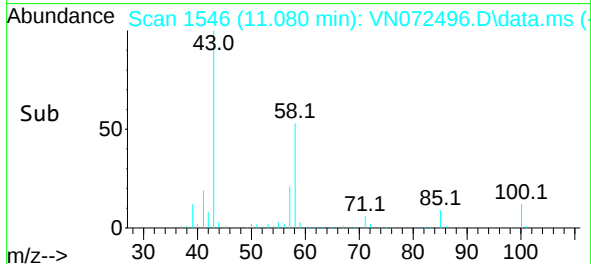
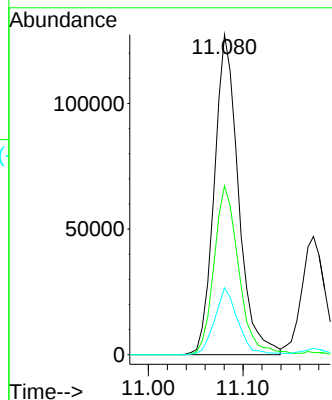
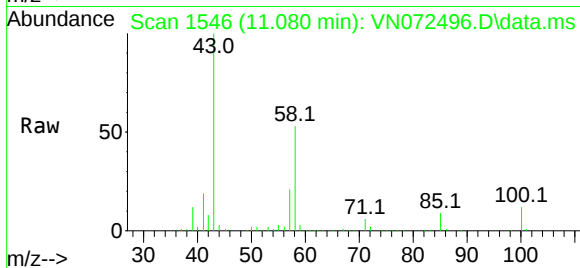
MSVOA\_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 43 Resp: 225922

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 53.8  | 42.2  | 63.2  |
| 57  | 20.2  | 15.0  | 22.4  |



#60

4-Bromofluorobenzene

Concen: 34.674 ug/l

RT: 12.727 min Scan# 1826

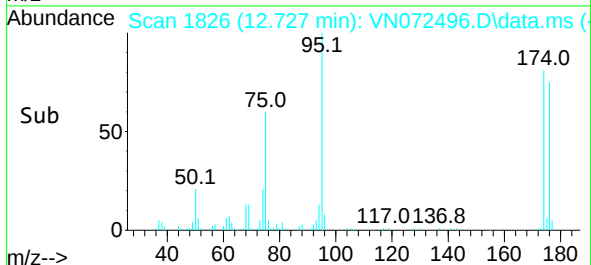
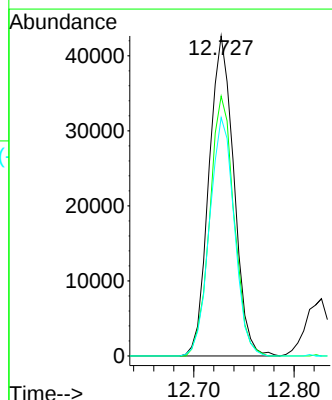
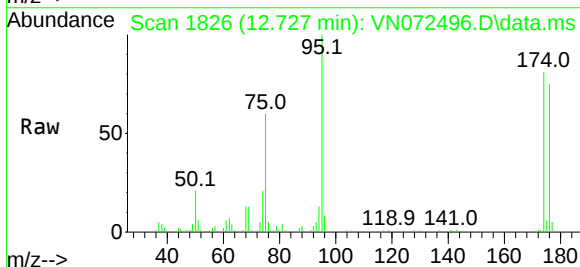
Delta R.T. 0.000 min

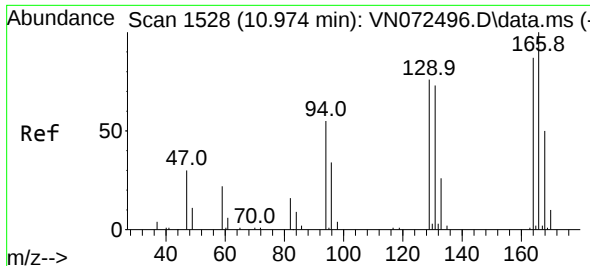
Lab File: VN072496.D

Acq: 16 May 2022 12:40

Tgt Ion: 95 Resp: 73599

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 174 | 79.3  | 62.9  | 94.3  |
| 176 | 73.9  | 61.0  | 91.4  |

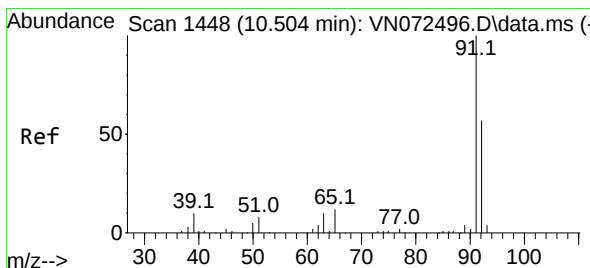
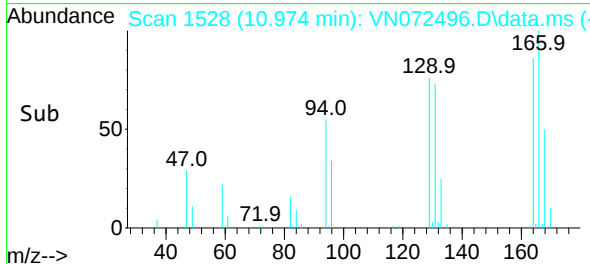
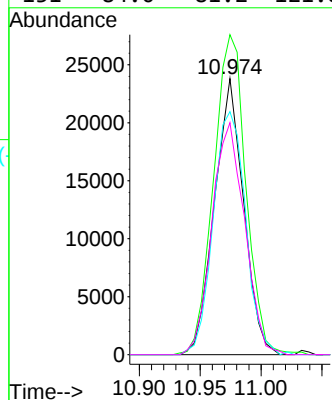
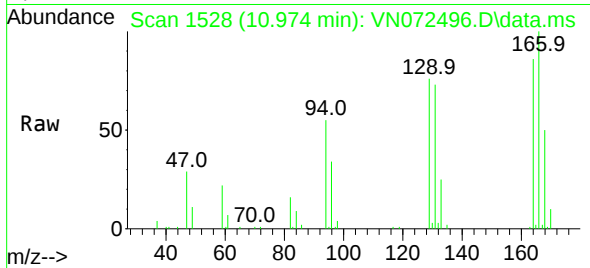




#61  
Tetrachloroethene  
Concen: 26.516 ug/l  
RT: 10.974 min Scan# 1528  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

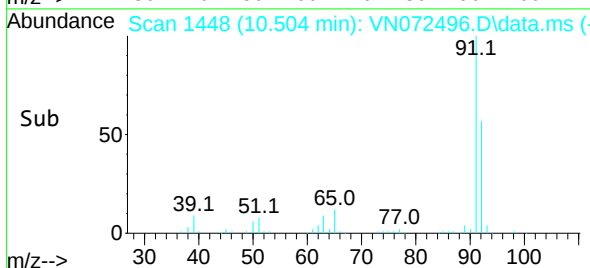
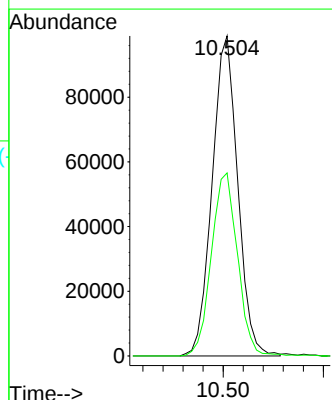
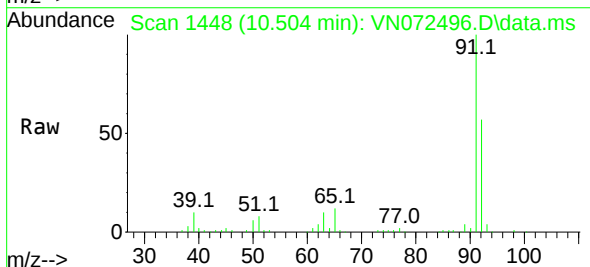
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

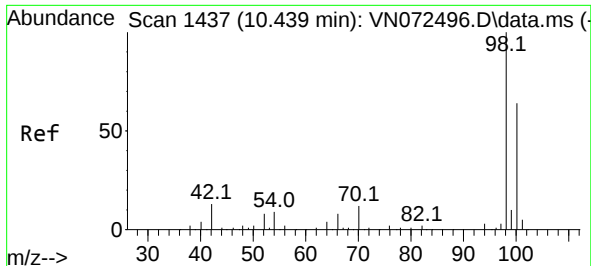
Tgt Ion:164 Resp: 39730  
Ion Ratio Lower Upper  
164 100  
166 115.2 105.8 158.8  
129 88.0 82.5 123.7  
131 84.0 81.2 121.8



#62  
Toluene  
Concen: 24.590 ug/l  
RT: 10.504 min Scan# 1448  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

Tgt Ion: 91 Resp: 175406  
Ion Ratio Lower Upper  
91 100  
92 58.4 44.6 67.0

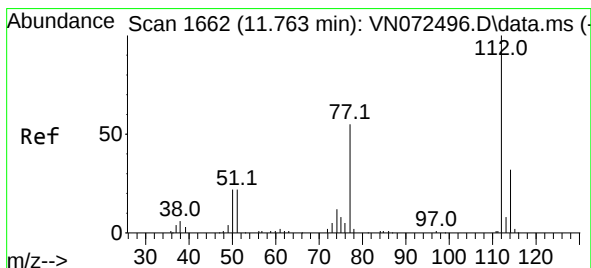
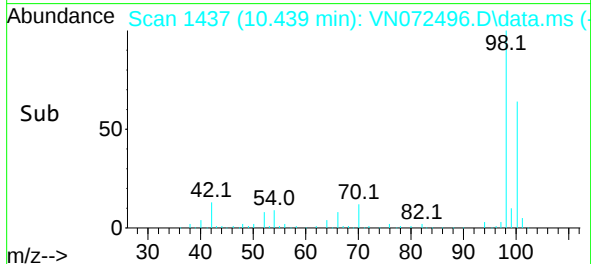
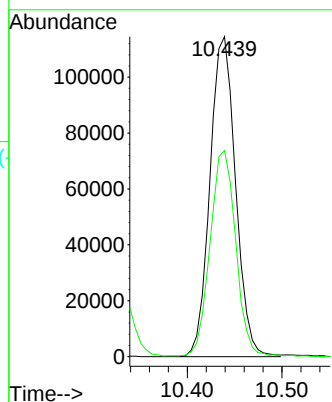
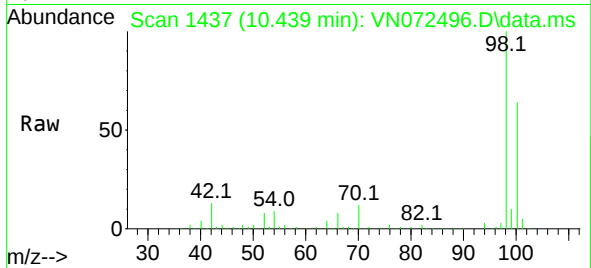




#63  
Toluene-d8  
Concen: 34.107 ug/l  
RT: 10.439 min Scan# 1437  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

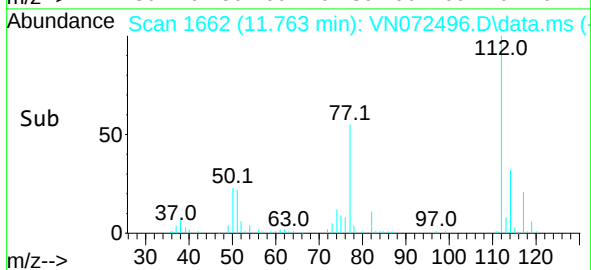
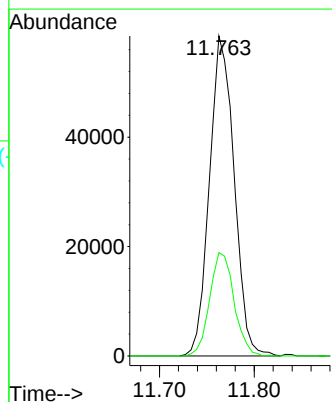
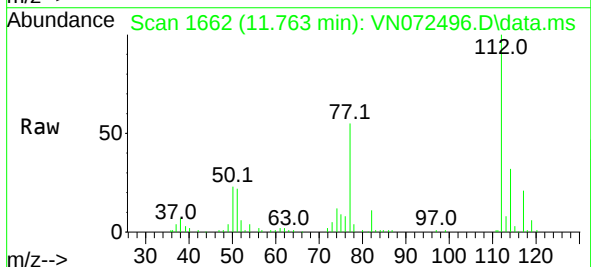
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

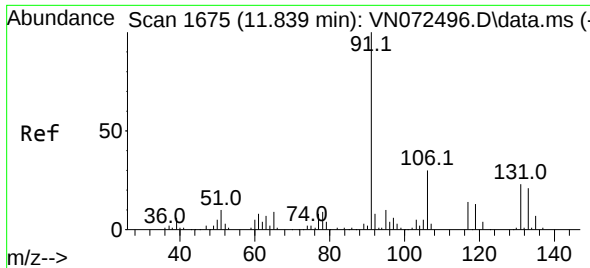
Tgt Ion: 98 Resp: 215053  
Ion Ratio Lower Upper  
98 100  
100 64.7 50.6 76.0



#64  
Chlorobenzene  
Concen: 24.078 ug/l  
RT: 11.763 min Scan# 1662  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

Tgt Ion: 112 Resp: 106083  
Ion Ratio Lower Upper  
112 100  
114 32.3 25.8 38.6

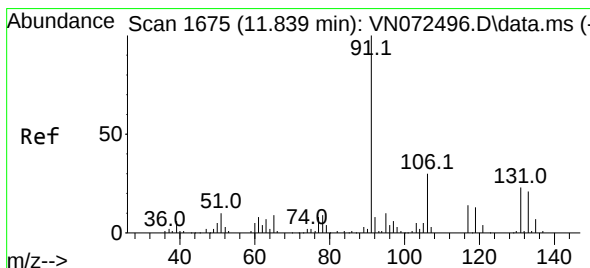
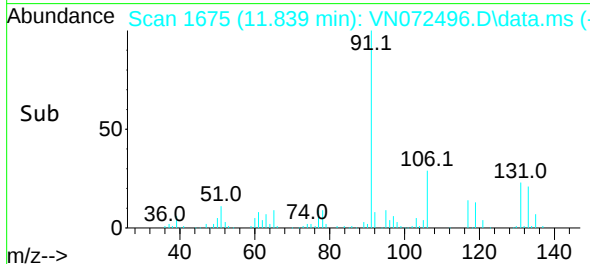
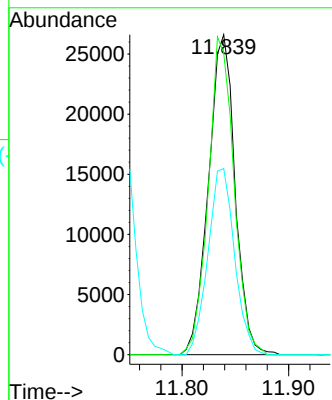
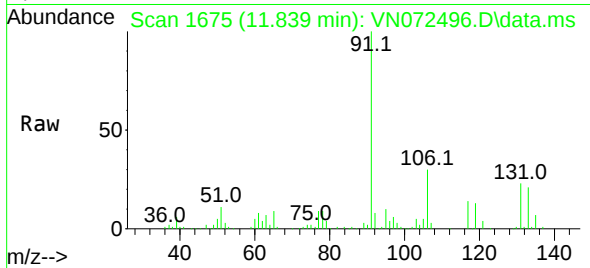




#65  
1,1,1,2-Tetrachloroethane  
Concen: 26.951 ug/l  
RT: 11.839 min Scan# 1675  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

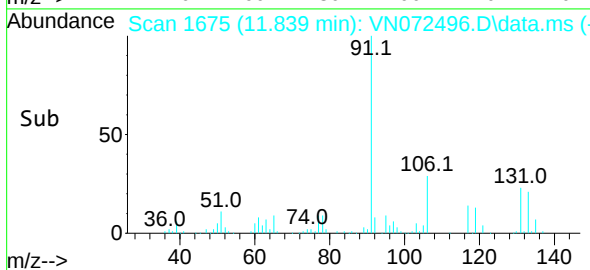
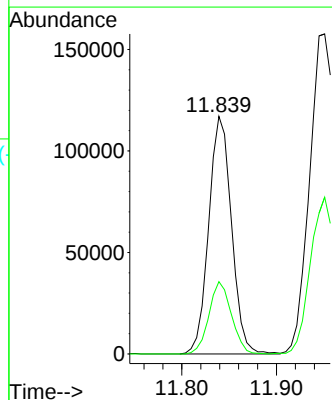
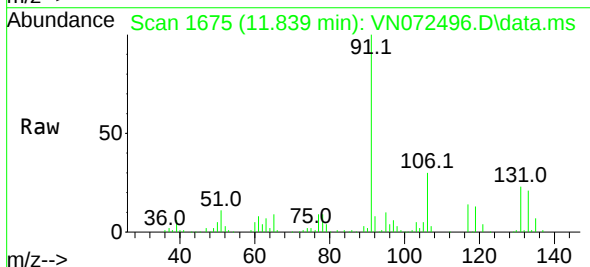
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

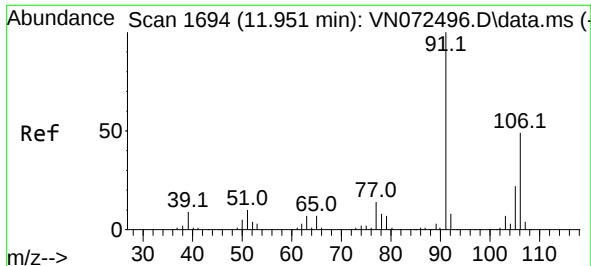
Tgt Ion:131 Resp: 46111  
Ion Ratio Lower Upper  
131 100  
133 95.9 0.0 191.2  
119 58.3 0.0 128.8



#66  
Ethyl Benzene  
Concen: 24.867 ug/l  
RT: 11.839 min Scan# 1675  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

Tgt Ion: 91 Resp: 195440  
Ion Ratio Lower Upper  
91 100  
106 30.4 24.0 36.0

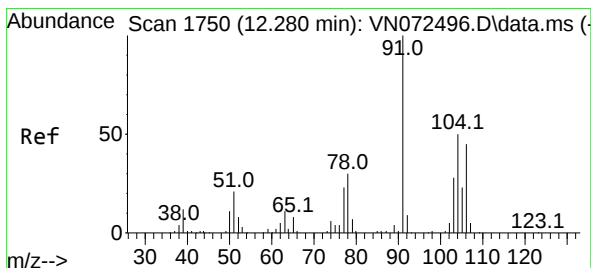
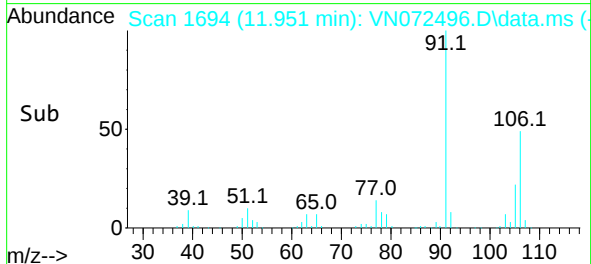
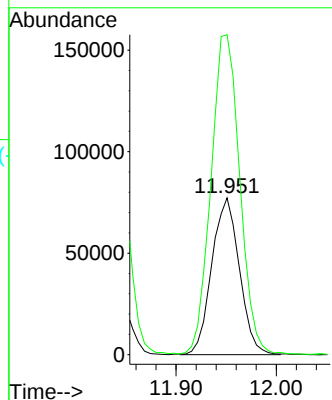
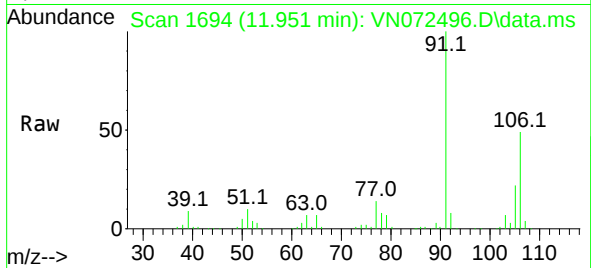




#67  
m/p-Xylenes  
Concen: 48.993 ug/l  
RT: 11.951 min Scan# 1694  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

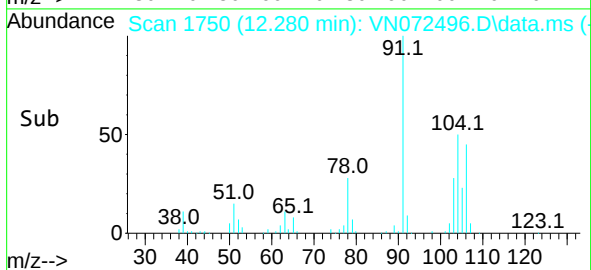
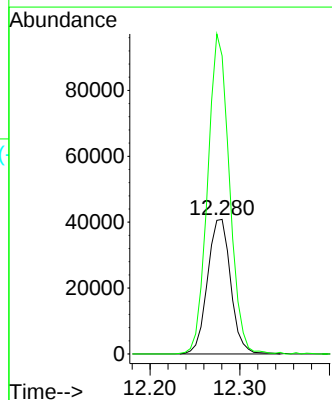
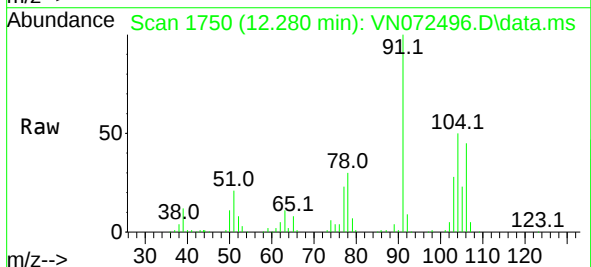
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

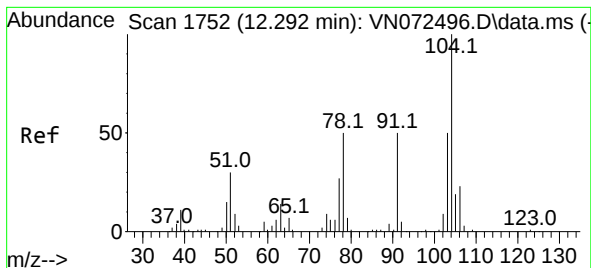
Tgt Ion:106 Resp: 147903  
Ion Ratio Lower Upper  
106 100  
91 213.5 162.9 244.3



#68  
o-Xylene  
Concen: 24.293 ug/l  
RT: 12.280 min Scan# 1750  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

Tgt Ion:106 Resp: 73117  
Ion Ratio Lower Upper  
106 100  
91 222.9 107.7 323.1





#69

Styrene

Concen: 24.093 ug/l

RT: 12.292 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN072496.D

Acq: 16 May 2022 12:40

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC020

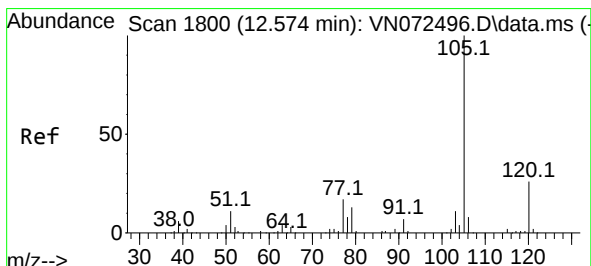
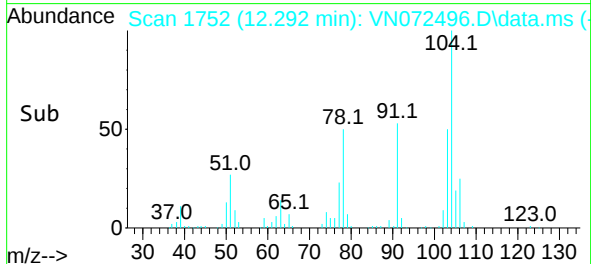
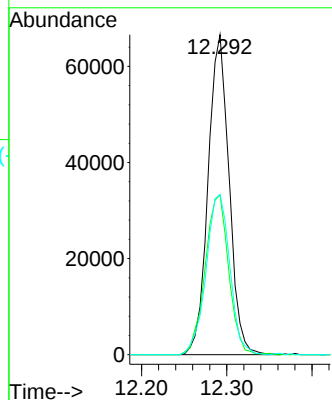
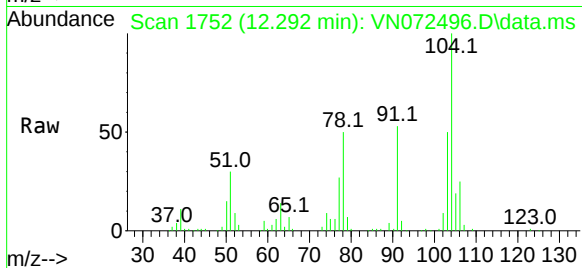
Tgt Ion:104 Resp: 114150

Ion Ratio Lower Upper

104 100

78 55.6 40.7 61.1

103 56.6 45.8 68.8



#70

Isopropylbenzene

Concen: 25.253 ug/l

RT: 12.574 min Scan# 1800

Delta R.T. 0.000 min

Lab File: VN072496.D

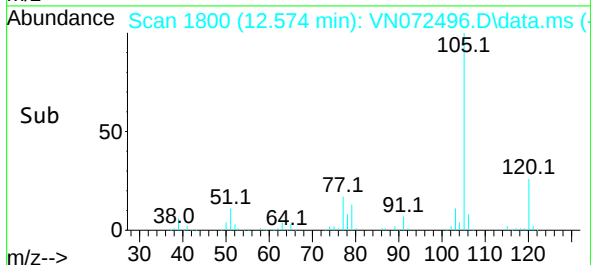
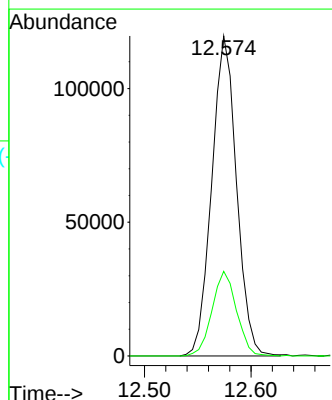
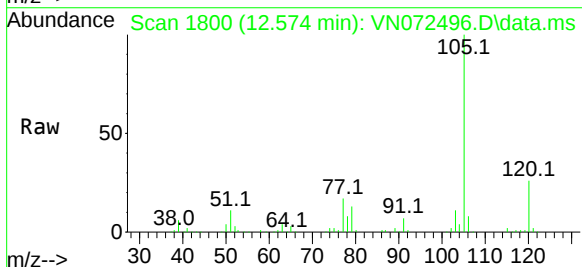
Acq: 16 May 2022 12:40

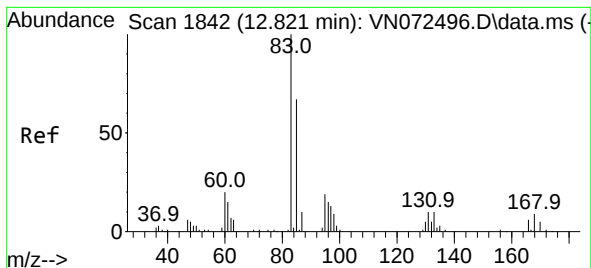
Tgt Ion:105 Resp: 193306

Ion Ratio Lower Upper

105 100

120 26.1 18.3 34.1





#71

1,1,2,2-Tetrachloroethane

Concen: 24.923 ug/l

RT: 12.821 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VN072496.D

Acq: 16 May 2022 12:40

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC020

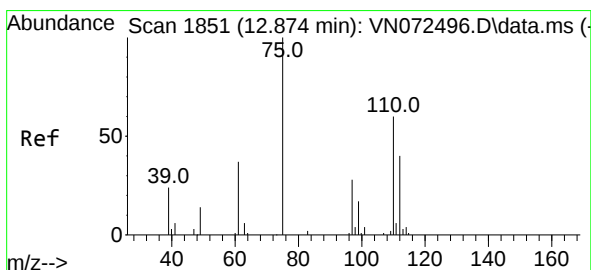
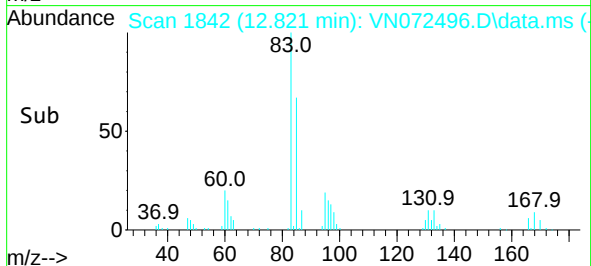
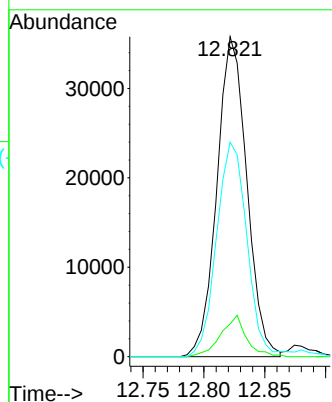
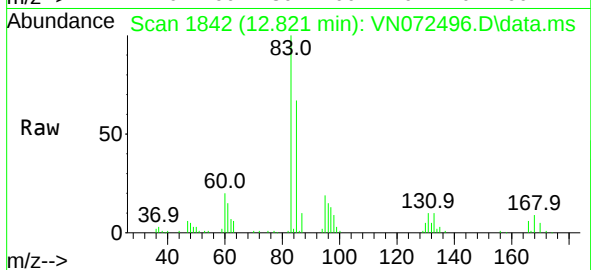
Tgt Ion: 83 Resp: 61133

Ion Ratio Lower Upper

83 100

131 11.2 5.1 15.3

85 67.3 33.1 99.2



#72

1,2,3-Trichloropropane

Concen: 35.686 ug/l

RT: 12.874 min Scan# 1851

Delta R.T. 0.000 min

Lab File: VN072496.D

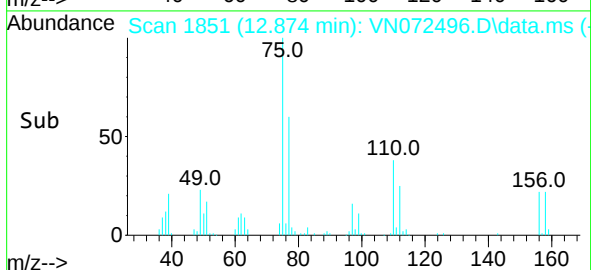
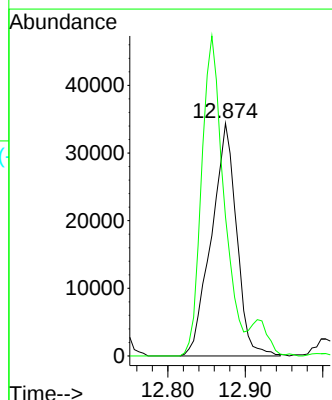
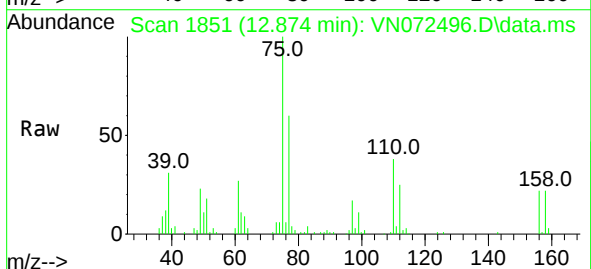
Acq: 16 May 2022 12:40

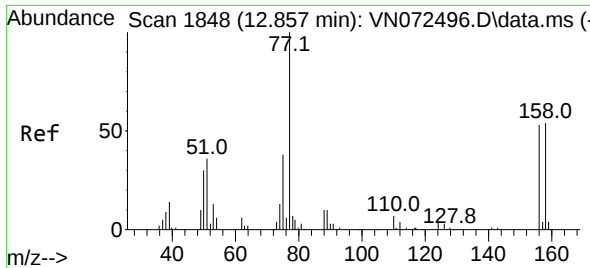
Tgt Ion: 75 Resp: 77581

Ion Ratio Lower Upper

75 100

77 121.2 0.0 378.0

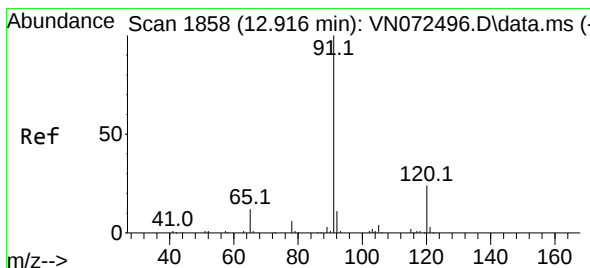
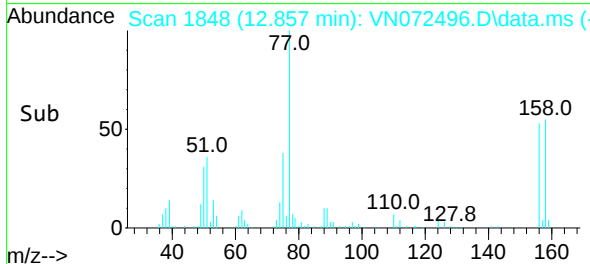
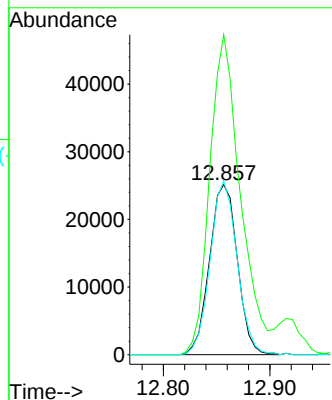
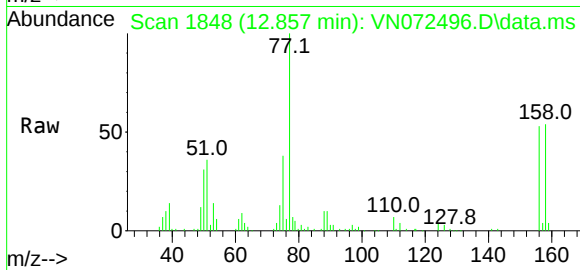




#73  
Bromobenzene  
Concen: 24.492 ug/l  
RT: 12.857 min Scan# 1848  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

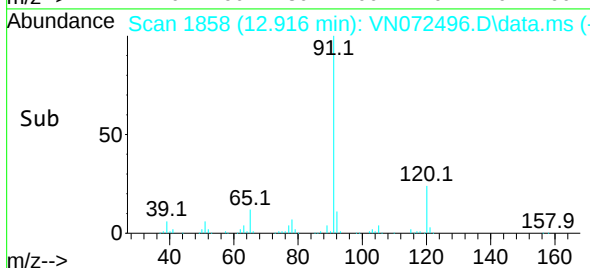
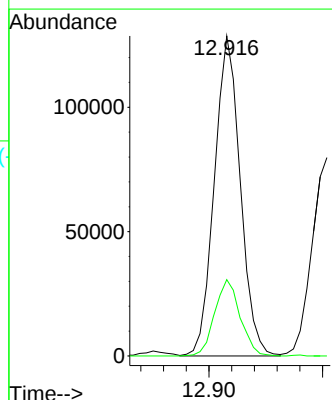
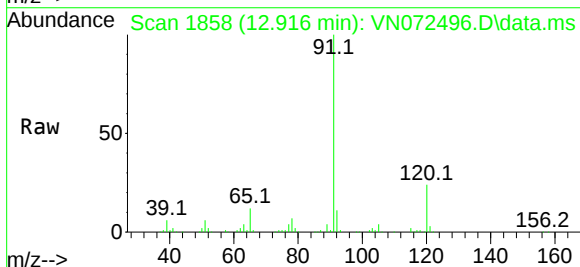
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

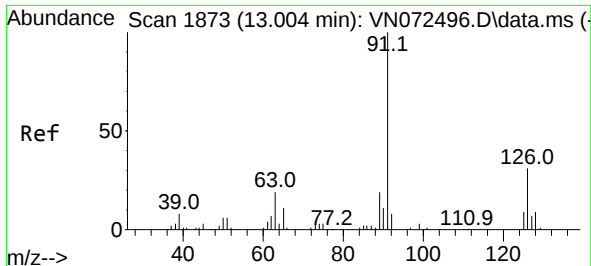
Tgt Ion:156 Resp: 45650  
Ion Ratio Lower Upper  
156 100  
77 205.9 0.0 416.0  
158 98.7 0.0 195.4



#74  
n-propylbenzene  
Concen: 24.623 ug/l  
RT: 12.916 min Scan# 1858  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

Tgt Ion: 91 Resp: 204085  
Ion Ratio Lower Upper  
91 100  
120 23.3 0.0 45.0

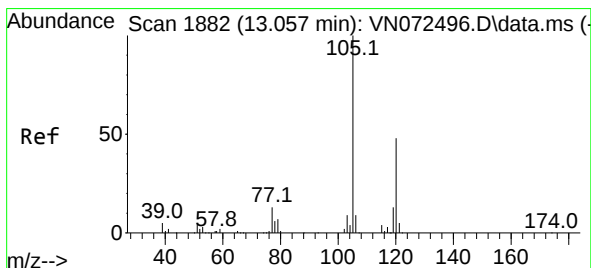
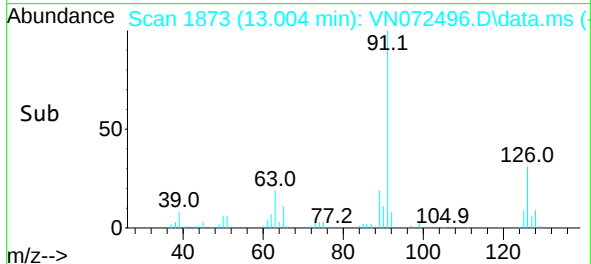
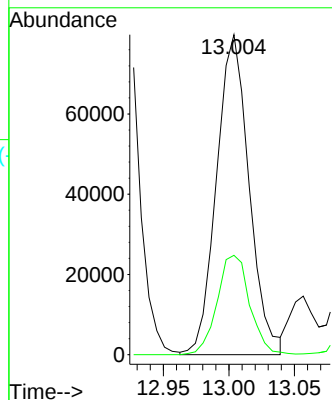
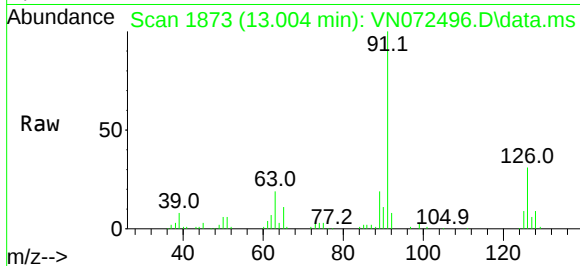




#75  
2-Chlorotoluene  
Concen: 25.880 ug/l  
RT: 13.004 min Scan# 1873  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

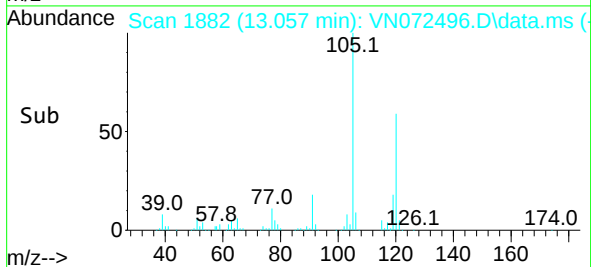
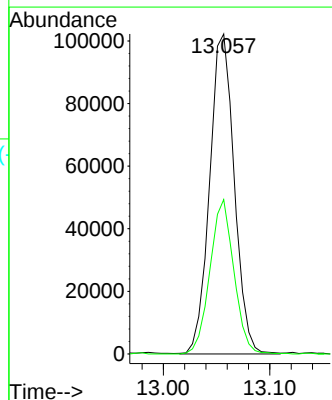
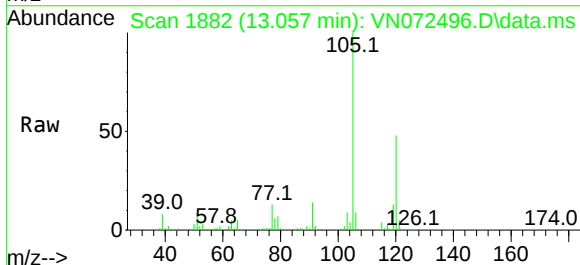
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ClientSampleId :  
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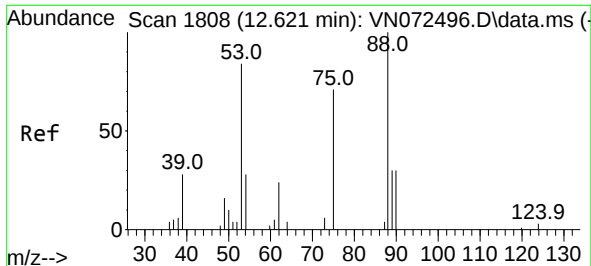
Tgt Ion: 91 Resp: 137873  
Ion Ratio Lower Upper  
91 100  
126 31.1 0.0 69.8



#76  
1,3,5-Trimethylbenzene  
Concen: 26.254 ug/l  
RT: 13.057 min Scan# 1882  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

Tgt Ion: 105 Resp: 164304  
Ion Ratio Lower Upper  
105 100  
120 46.8 0.0 93.8

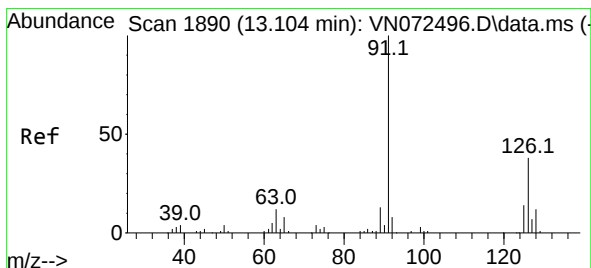
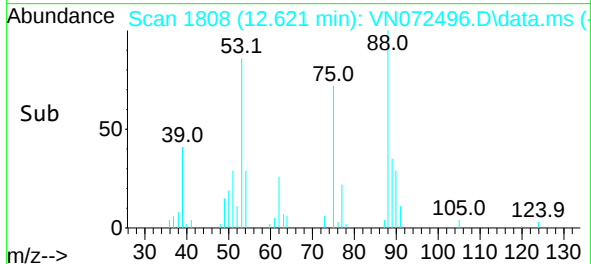
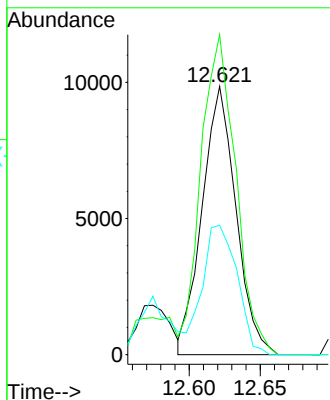
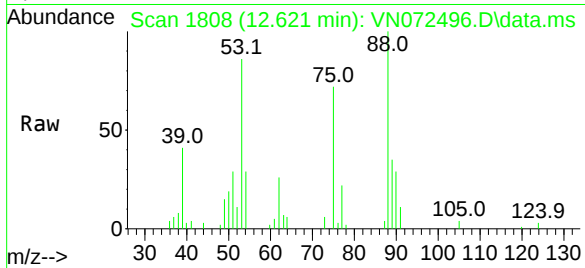




#77  
t-1,4-Dichloro-2-butene  
Concen: 22.541 ug/l  
RT: 12.621 min Scan# 1808  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

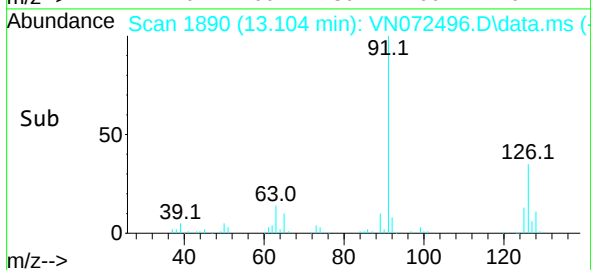
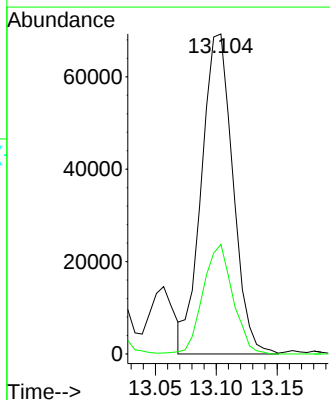
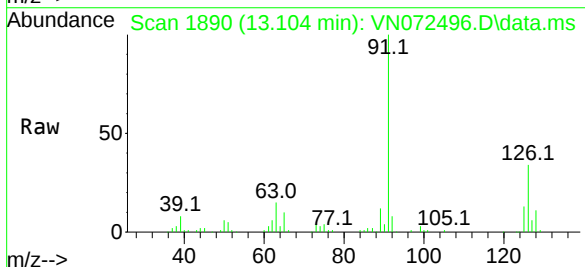
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ClientSampleId :  
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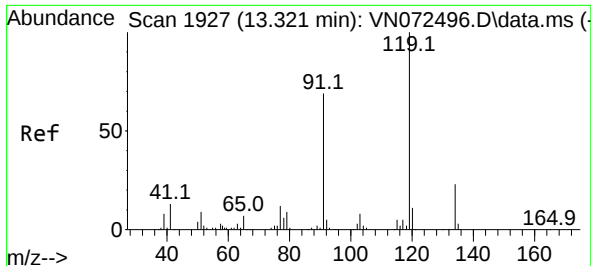
Tgt Ion: 75 Resp: 16338  
Ion Ratio Lower Upper  
75 100  
53 119.3 51.8 155.5  
89 48.2 22.9 68.7



#78  
4-Chlorotoluene  
Concen: 25.221 ug/l  
RT: 13.104 min Scan# 1890  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

Tgt Ion: 91 Resp: 124319  
Ion Ratio Lower Upper  
91 100  
126 32.6 0.0 70.6

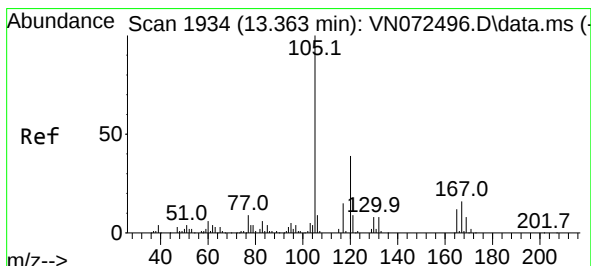
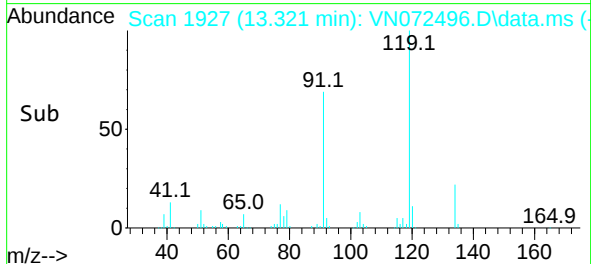
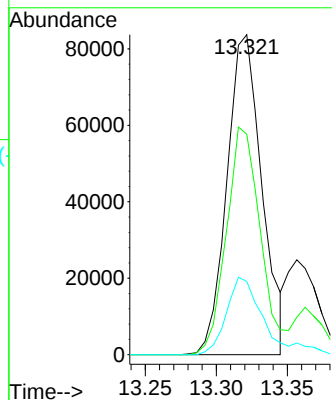
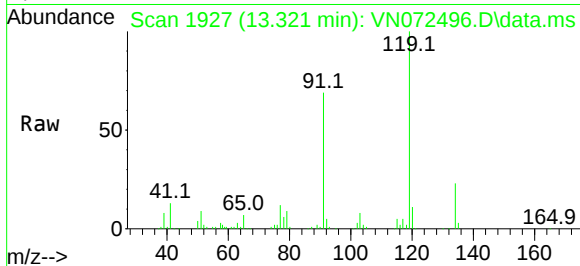




#79  
tert-butylbenzene  
Concen: 25.682 ug/l  
RT: 13.321 min Scan# 1927  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

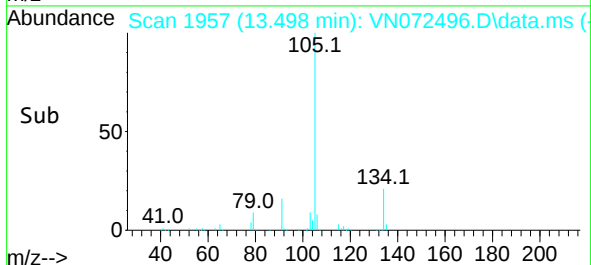
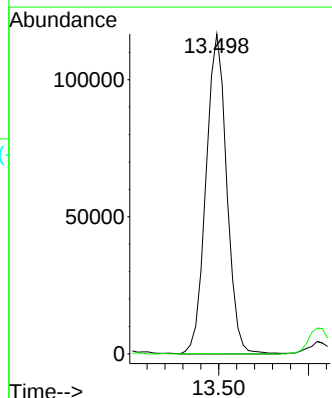
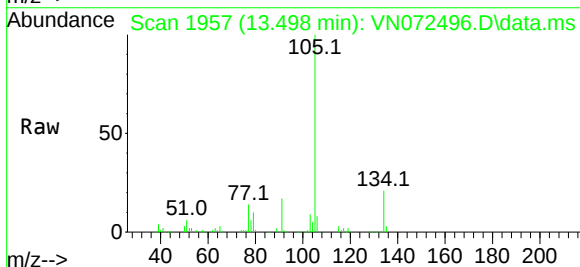
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

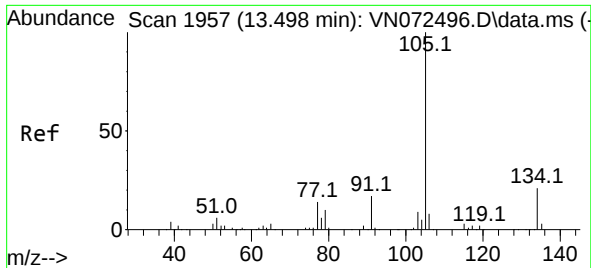
Tgt Ion:119 Resp: 143672  
Ion Ratio Lower Upper  
119 100  
91 69.7 0.0 137.0  
134 23.8 0.0 47.6



#80  
1,2,4-Trimethylbenzene  
Concen: 30.665 ug/l  
RT: 13.498 min Scan# 1957  
Delta R.T. 0.135 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

Tgt Ion:105 Resp: 186744  
Ion Ratio Lower Upper  
105 100  
120 0.0 0.0 0.2

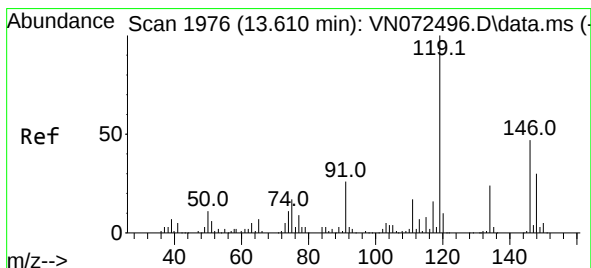
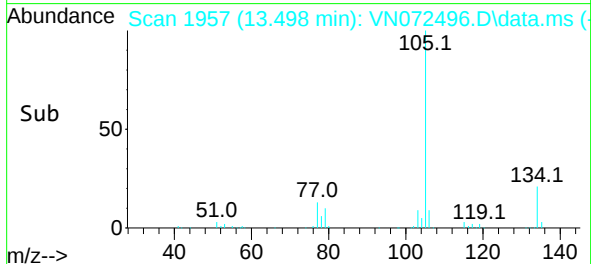
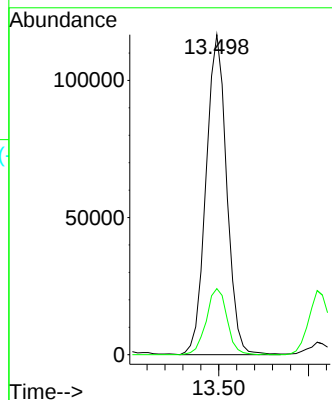
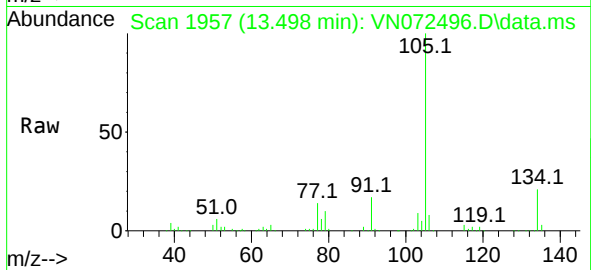




#81  
 sec-Butylbenzene  
 Concen: 25.051 ug/l  
 RT: 13.498 min Scan# 1957  
 Delta R.T. 0.000 min  
 Lab File: VN072496.D  
 Acq: 16 May 2022 12:40

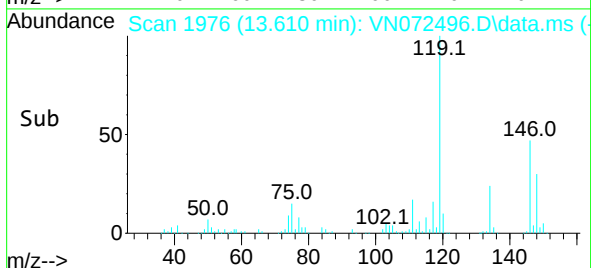
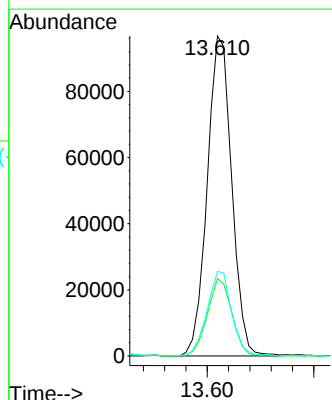
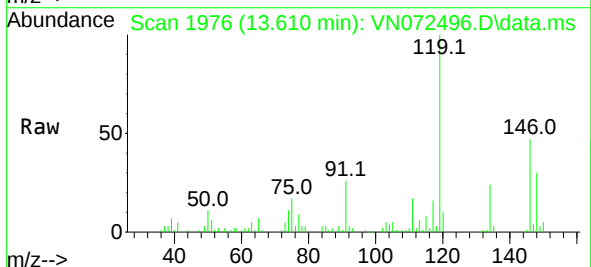
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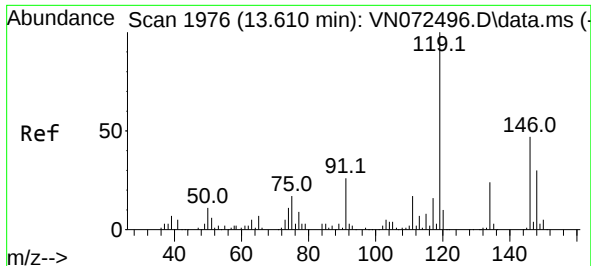
Tgt Ion:105 Resp: 186744  
 Ion Ratio Lower Upper  
 105 100  
 134 20.7 0.0 39.4



#82  
 p-Isopropyltoluene  
 Concen: 25.365 ug/l  
 RT: 13.610 min Scan# 1976  
 Delta R.T. 0.000 min  
 Lab File: VN072496.D  
 Acq: 16 May 2022 12:40

Tgt Ion:119 Resp: 154746  
 Ion Ratio Lower Upper  
 119 100  
 134 24.2 0.0 51.8  
 91 26.6 0.0 50.4

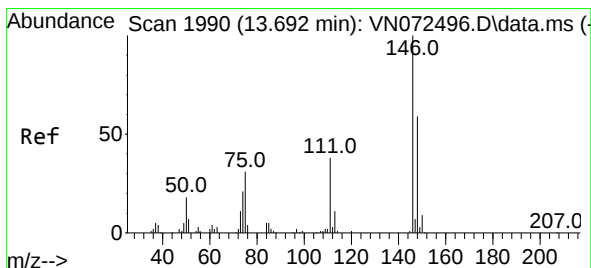
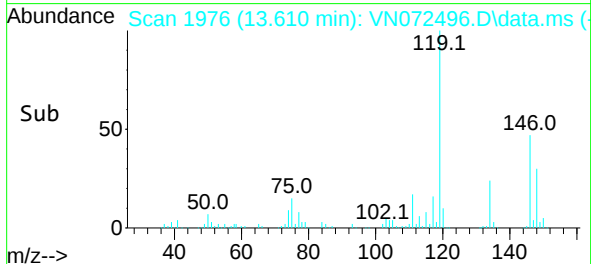
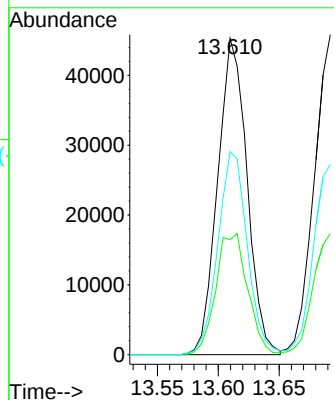
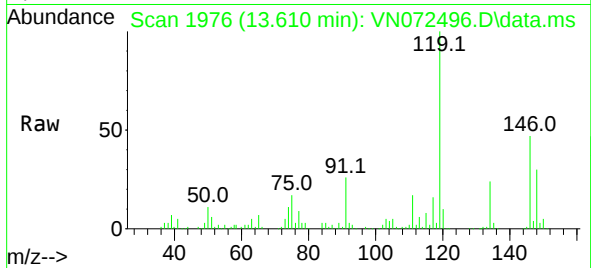




#83  
1,3-Dichlorobenzene  
Concen: 24.788 ug/l  
RT: 13.610 min Scan# 1976  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

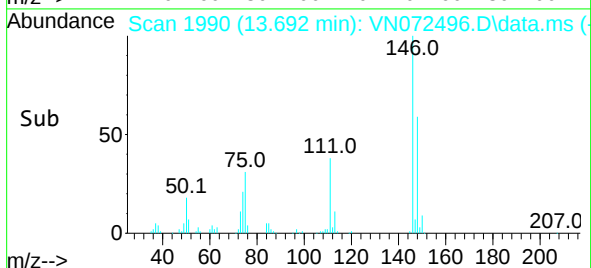
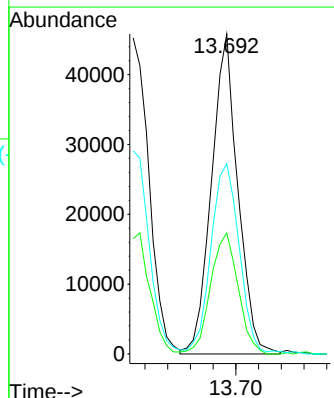
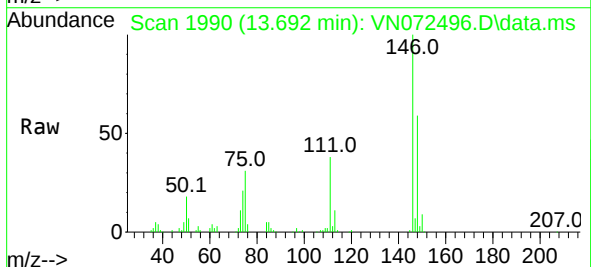
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ClientSampleId :  
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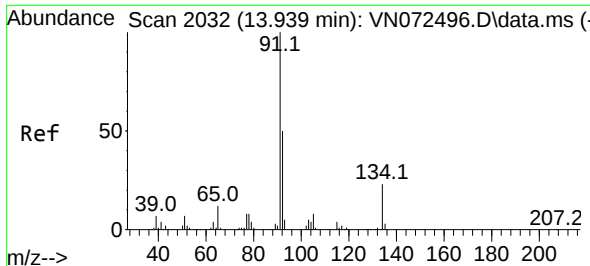
Tgt Ion:146 Resp: 76092  
Ion Ratio Lower Upper  
146 100  
111 41.5 20.8 62.2  
148 64.9 31.4 94.3



#84  
1,4-Dichlorobenzene  
Concen: 25.053 ug/l  
RT: 13.692 min Scan# 1990  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

Tgt Ion:146 Resp: 73879  
Ion Ratio Lower Upper  
146 100  
111 39.4 19.5 58.5  
148 62.7 31.1 93.5

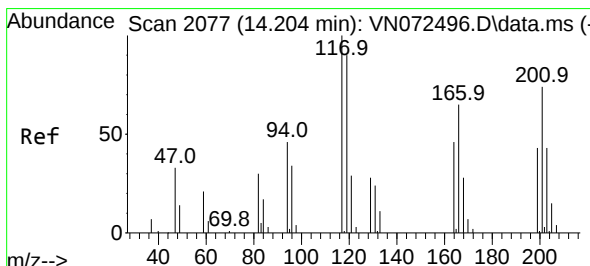
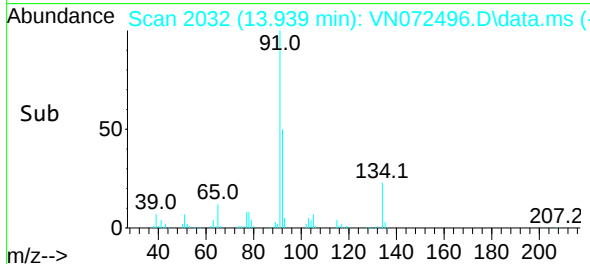
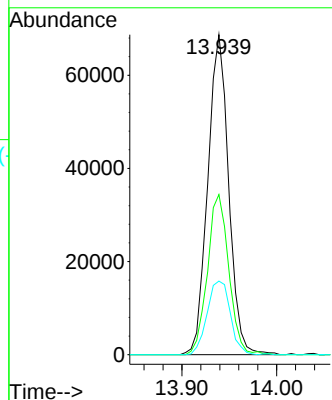
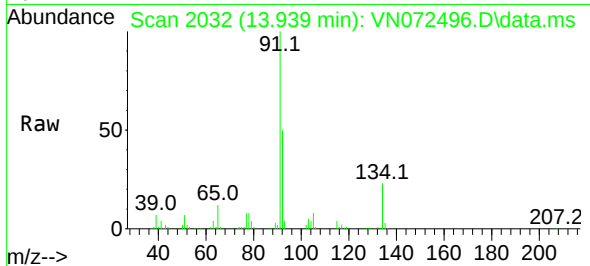




#85  
n-Butylbenzene  
Concen: 23.666 ug/l  
RT: 13.939 min Scan# 2032  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

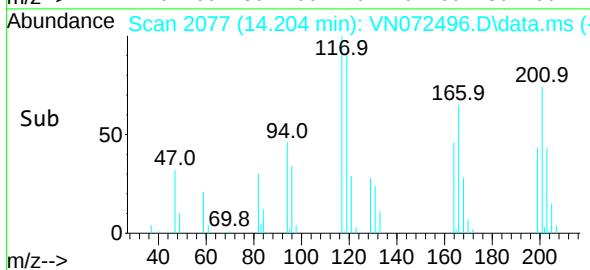
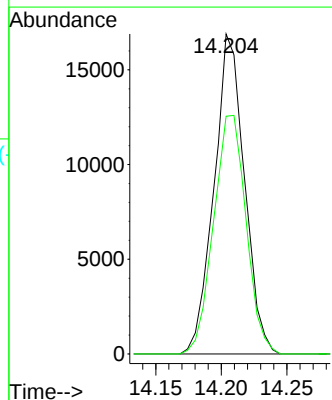
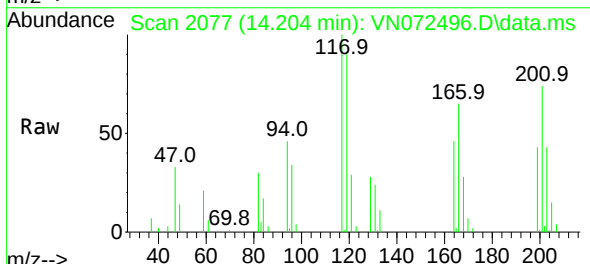
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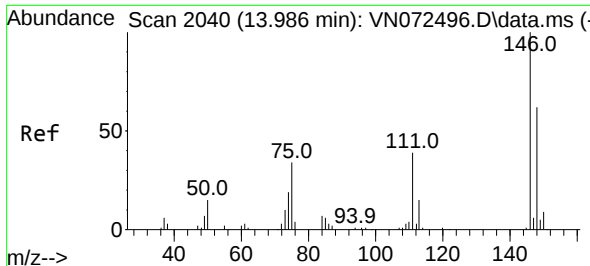
Tgt Ion: 91 Resp: 105272  
Ion Ratio Lower Upper  
91 100  
92 50.7 0.0 100.6  
134 25.5 0.0 50.2



#86  
Hexachloroethane  
Concen: 24.364 ug/l  
RT: 14.204 min Scan# 2077  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

Tgt Ion: 117 Resp: 27199  
Ion Ratio Lower Upper  
117 100  
201 79.8 33.3 99.8

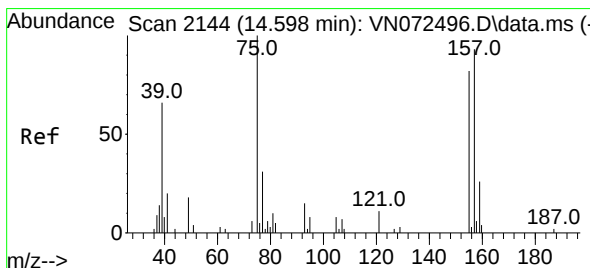
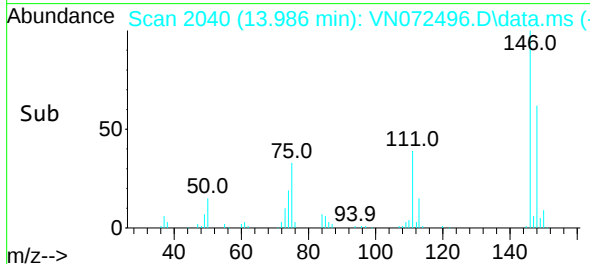
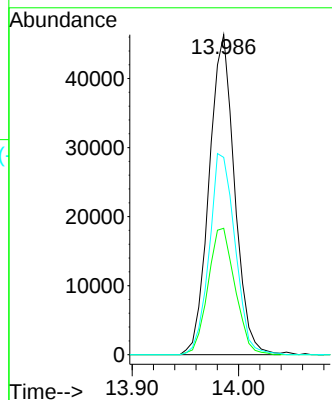
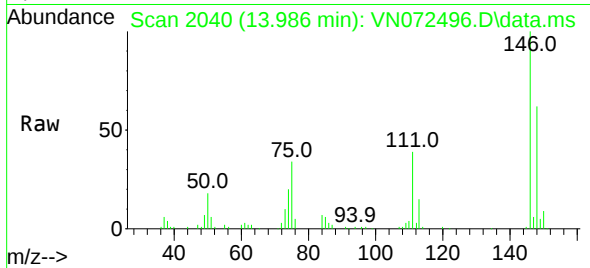




#87  
 1,2-Dichlorobenzene  
 Concen: 25.816 ug/l  
 RT: 13.986 min Scan# 2040  
 Delta R.T. 0.000 min  
 Lab File: VN072496.D  
 Acq: 16 May 2022 12:40

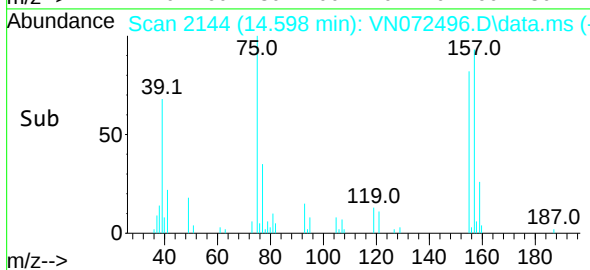
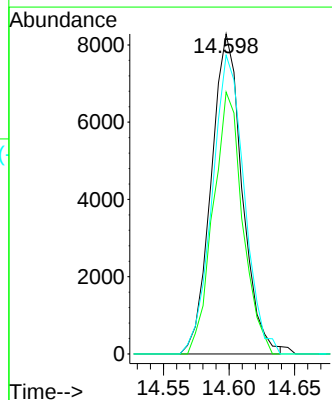
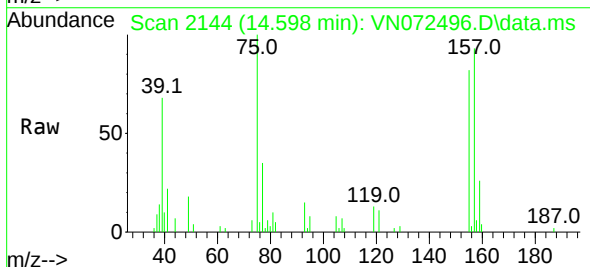
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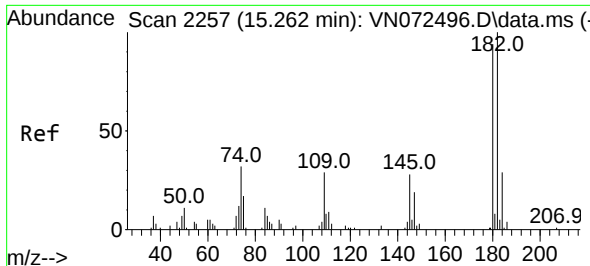
Tgt Ion:146 Resp: 76971  
 Ion Ratio Lower Upper  
 146 100  
 111 41.9 21.4 64.2  
 148 64.0 32.5 97.4



#88  
 1,2-Dibromo-3-Chloropropane  
 Concen: 28.408 ug/l  
 RT: 14.598 min Scan# 2144  
 Delta R.T. 0.000 min  
 Lab File: VN072496.D  
 Acq: 16 May 2022 12:40

Tgt Ion: 75 Resp: 13651  
 Ion Ratio Lower Upper  
 75 100  
 155 77.7 63.8 95.8  
 157 96.3 77.9 116.9

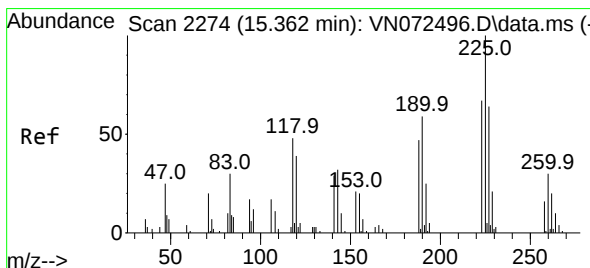
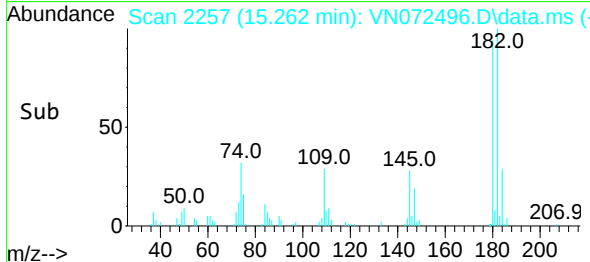
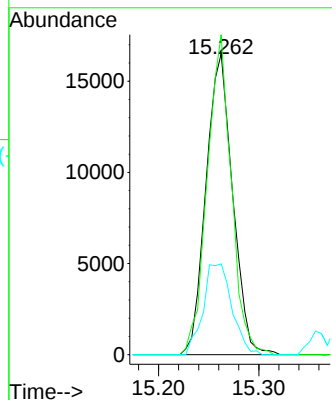
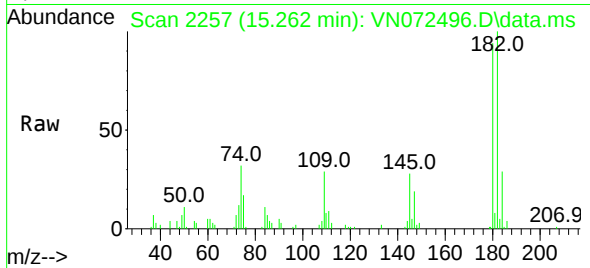




#89  
 1,2,4-Trichlorobenzene  
 Concen: 22.868 ug/l  
 RT: 15.262 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VN072496.D  
 Acq: 16 May 2022 12:40

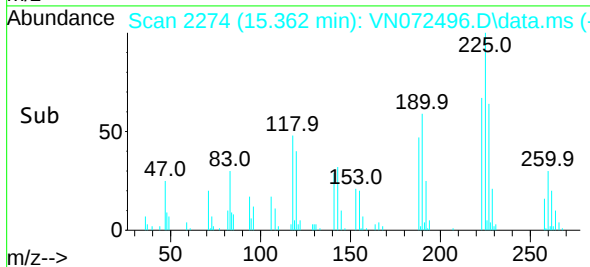
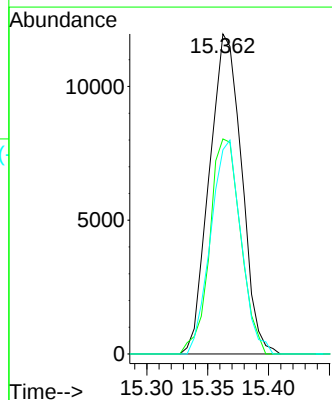
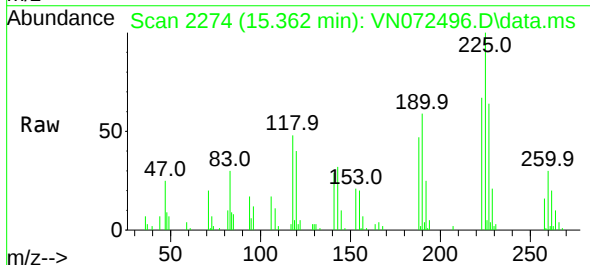
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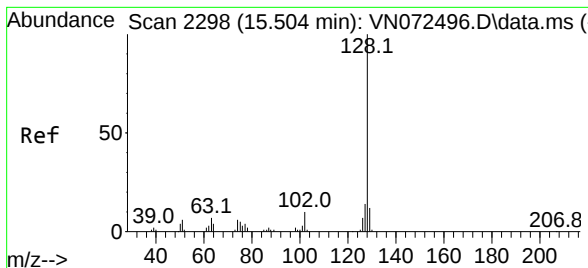
Tgt Ion:180 Resp: 30477  
 Ion Ratio Lower Upper  
 180 100  
 182 96.6 77.7 116.5  
 145 32.6 26.6 39.8



#90  
 Hexachlorobutadiene  
 Concen: 26.587 ug/l  
 RT: 15.362 min Scan# 2274  
 Delta R.T. 0.000 min  
 Lab File: VN072496.D  
 Acq: 16 May 2022 12:40

Tgt Ion:225 Resp: 22047  
 Ion Ratio Lower Upper  
 225 100  
 223 64.3 0.0 126.8  
 227 62.8 0.0 123.0

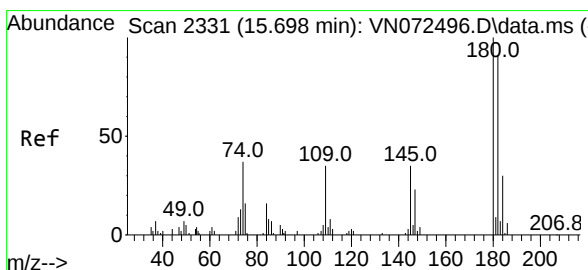
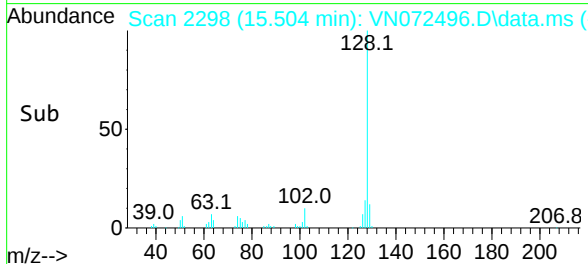
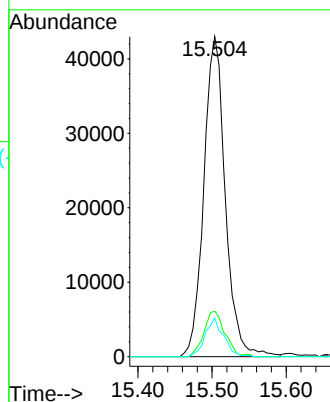
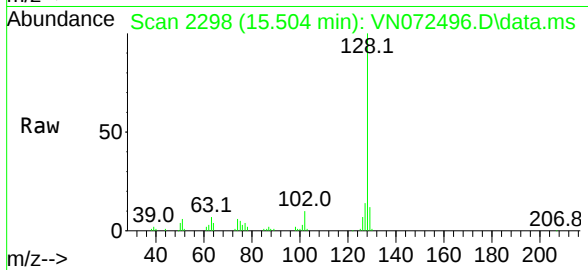




#91  
Naphthalene  
Concen: 23.094 ug/l  
RT: 15.504 min Scan# 2298  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
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|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 86525 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 13.7  | 10.7  | 16.1  |
| 129       | 10.2  | 9.0   | 13.6  |



#92  
1,2,3-Trichlorobenzene  
Concen: 24.130 ug/l  
RT: 15.698 min Scan# 2331  
Delta R.T. 0.000 min  
Lab File: VN072496.D  
Acq: 16 May 2022 12:40

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 32158 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 98.9  | 0.0   | 190.0 |
| 145       | 33.2  | 0.0   | 67.8  |

