

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU020923\  
 Data File : VU053022.D  
 Acq On : 09 Feb 2023 17:21  
 Operator : JC/MD  
 Sample : VU0209WBSD01  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0209WBSD01

Quant Time: Feb 10 01:22:31 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U012323DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Tue Jan 24 05:16:59 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc   | Units    | Dev(Min) |
|------------------------------|--------|------|----------|--------|----------|----------|
| -----                        |        |      |          |        |          |          |
| Internal Standards           |        |      |          |        |          |          |
| 1) Fluorobenzene             | 6.109  | 96   | 31042    | 1.000  | ug/l     | # 0.00   |
| System Monitoring Compounds  |        |      |          |        |          |          |
| 57) 4-Bromofluorobenzene     | 10.630 | 95   | 11817    | 1.144  | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 114.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.189 | 152  | 9715     | 0.915  | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 91.000%  |          |
| Target Compounds             |        |      |          |        |          |          |
|                              |        |      |          |        |          | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.383  | 85   | 16939    | 1.612  | ug/l     | 99       |
| 3) Chloromethane             | 1.518  | 50   | 17164    | 1.722  | ug/l     | 97       |
| 4) Vinyl Chloride            | 1.604  | 62   | 19805    | 2.057  | ug/l     | 99       |
| 5) Bromomethane              | 1.858  | 94   | 11466    | 2.292  | ug/l     | 97       |
| 6) Chloroethane              | 1.936  | 64   | 11958    | 2.065  | ug/l     | 98       |
| 7) Trichlorofluoromethane    | 2.138  | 101  | 30306    | 2.161  | ug/l     | 100      |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.575  | 101  | 17382    | 2.267  | ug/l     | 91       |
| 9) 1,1-Dichloroethene        | 2.575  | 96   | 16398    | 2.264  | ug/l     | 92       |
| 10) Iodomethane              | 2.717  | 142  | 18931    | 2.361  | ug/l     | 98       |
| 11) Allyl Chloride           | 2.916  | 41   | 21878    | 2.528  | ug/l     | 97       |
| 12) Acrylonitrile            | 3.328  | 53   | 7616     | 4.959  | ug/l     | # 87     |
| 13) Acetone                  | 2.665  | 43   | 29640    | 13.608 | ug/l     | 92       |
| 14) Carbon Disulfide         | 2.788  | 76   | 46735    | 1.926  | ug/l     | 100      |
| 15) Methylene Chloride       | 3.038  | 84   | 19371    | 2.214  | ug/l     | 94       |
| 16) trans-1,2-Dichloroethene | 3.344  | 96   | 17225    | 2.137  | ug/l     | 94       |
| 17) 1,1-Dichloroethane       | 3.862  | 63   | 34640    | 2.546  | ug/l     | 98       |
| 18) 2-Butanone               | 4.736  | 43   | 35482    | 14.021 | ug/l     | 99       |
| 19) Cyclohexane              | 5.376  | 56   | 26762    | 2.236  | ug/l     | 98       |
| 20) Methylcyclohexane        | 6.755  | 83   | 28544    | 2.138  | ug/l     | 95       |
| 21) 2,2-Dichloropropane      | 4.659  | 77   | 32015    | 2.533  | ug/l     | 99       |
| 22) cis-1,2-Dichloroethene   | 4.659  | 96   | 19298    | 2.291  | ug/l     | 89       |
| 23) Diethyl Ether            | 2.373  | 59   | 13405    | 2.618  | ug/l     | 99       |
| 24) tert-Butyl Alcohol       | 3.289  | 59   | 151      | 0.245  | ug/l     | # 22     |
| 25) Methyl tert-Butyl Ether  | 3.363  | 73   | 44717    | 2.691  | ug/l     | 99       |
| 26) Bromochloromethane       | 4.968  | 128  | 8260     | 2.100  | ug/l     | 87       |
| 27) Chloroform               | 5.083  | 83   | 34863    | 2.390  | ug/l     | 99       |
| 28) 1,1,1-Trichloroethane    | 5.312  | 97   | 30732    | 2.281  | ug/l     | 98       |
| 29) 1,1-Dichloropropene      | 5.517  | 75   | 22888    | 2.015  | ug/l     | 94       |
| 30) Carbon Tetrachloride     | 5.517  | 117  | 21997    | 1.800  | ug/l     | 97       |
| 31) Isopropyl Ether          | 3.993  | 45   | 50280    | 2.570  | ug/l     | 99       |
| 32) Ethyl-t-butyl ether      | 4.505  | 59   | 52663    | 2.884  | ug/l     | 96       |
| 33) Tert-Amyl methyl ether   | 5.945  | 73   | 40223    | 2.490  | ug/l     | 97       |
| 34) Propionitrile            | 4.826  | 54   | 5092     | 8.788  | ug/l     | # 1      |
| 35) Benzene                  | 5.768  | 78   | 62226    | 1.888  | ug/l     | 99       |
| 36) 1,2-Dichloroethane       | 5.794  | 62   | 18600    | 1.879  | ug/l     | 100      |
| 37) Trichloroethene          | 6.540  | 130  | 15332    | 1.707  | ug/l     | 92       |
| 38) 1,2-Dichloropropane      | 6.787  | 63   | 17088    | 2.044  | ug/l     | 99       |
| 39) Methacrylonitrile        | 4.980  | 41   | 6516     | 2.816  | ug/l     | 96       |
| 40) Methyl acrylate          | 4.852  | 55   | 10792    | 2.631  | ug/l     | # 97     |
| 41) Tetrahydrofuran          | 5.083  | 42   | 5337     | 4.636  | ug/l     | 86       |
| 42) 1-Chlorobutane           | 5.450  | 56   | 30081    | 2.072  | ug/l     | 96       |
| 43) Dibromomethane           | 6.919  | 93   | 8520     | 2.013  | ug/l     | # 85     |
| 44) Bromodichloromethane     | 7.103  | 83   | 22966    | 2.001  | ug/l     | # 99     |

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 Sample : VU0209WBSD01  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 12 Sample Multiplier: 1

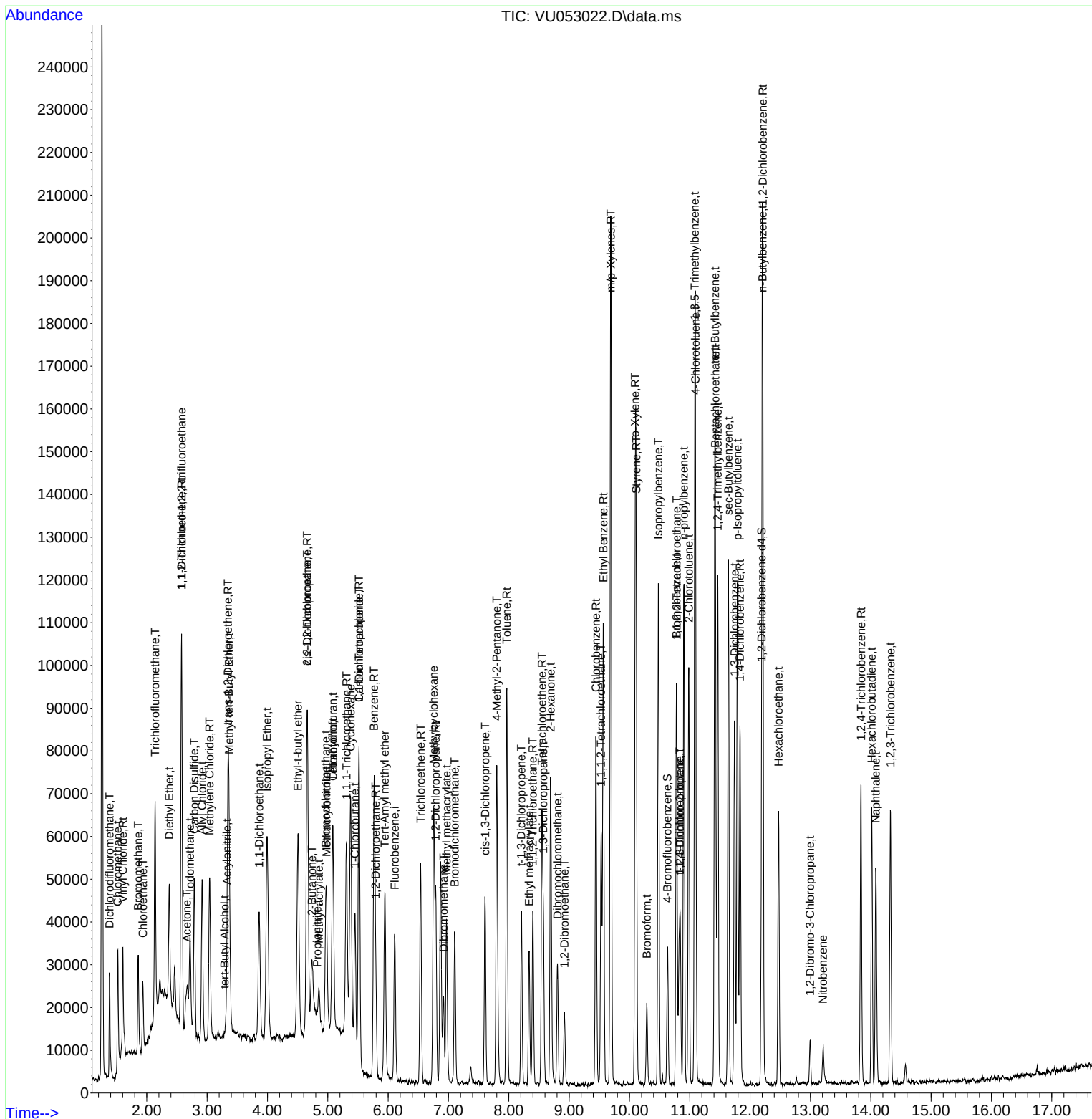
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0209WBSD01

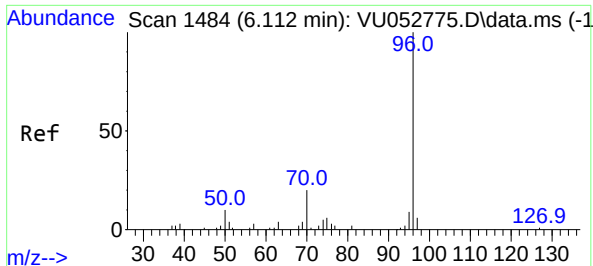
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U012323DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Tue Jan 24 05:16:59 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.800  | 43   | 49861    | 11.212 | ug/l   | 95       |
| 46) t-1,4-Dichloro-2-butene   | 10.832 | 75   | 21922    | 9.402  | ug/l # | 58       |
| 47) Methyl methacrylate       | 6.968  | 69   | 17255    | 4.587  | ug/l   | 94       |
| 48) Ethyl methacrylate        | 8.337  | 69   | 17285    | 2.535  | ug/l   | 96       |
| 49) Toluene                   | 7.967  | 92   | 38562    | 1.927  | ug/l   | 93       |
| 50) t-1,3-Dichloropropene     | 8.209  | 75   | 22720    | 2.269  | ug/l   | 97       |
| 51) cis-1,3-Dichloropropene   | 7.607  | 75   | 26801    | 2.275  | ug/l   | 97       |
| 52) 1,1,2-Trichloroethane     | 8.398  | 97   | 12324    | 2.048  | ug/l   | 96       |
| 53) 1,3-Dichloropropane       | 8.572  | 76   | 21127    | 2.031  | ug/l   | 98       |
| 54) 2-Hexanone                | 8.694  | 43   | 47715    | 12.265 | ug/l   | 96       |
| 55) Dibromochloromethane      | 8.807  | 129  | 13867    | 1.762  | ug/l   | 99       |
| 56) 1,2-Dibromoethane         | 8.922  | 107  | 10902    | 1.903  | ug/l   | 99       |
| 58) Tetrachloroethene         | 8.549  | 164  | 11916    | 1.470  | ug/l   | 92       |
| 59) Chlorobenzene             | 9.443  | 112  | 42022    | 1.930  | ug/l   | 99       |
| 60) 1,1,1,2-Tetrachloroethane | 9.530  | 131  | 14661    | 1.740  | ug/l   | 95       |
| 61) Pentachloroethane         | 11.424 | 117  | 13007    | 1.884  | ug/l   | 91       |
| 62) Hexachloroethane          | 12.472 | 117  | 13971    | 2.003  | ug/l # | 78       |
| 63) Ethyl Benzene             | 9.569  | 91   | 77916    | 2.209  | ug/l   | 98       |
| 64) m/p-Xylenes               | 9.691  | 106  | 57485    | 4.088  | ug/l   | 92       |
| 65) o-Xylene                  | 10.096 | 106  | 28005    | 2.064  | ug/l   | 89       |
| 66) Styrene                   | 10.112 | 104  | 45565    | 2.089  | ug/l   | 96       |
| 67) Bromoform                 | 10.289 | 173  | 7364     | 1.585  | ug/l   | 98       |
| 69) Isopropylbenzene          | 10.479 | 105  | 75158    | 2.177  | ug/l   | 98       |
| 70) 1,1,2,2-Tetrachloroethane | 10.781 | 83   | 17086    | 2.278  | ug/l # | 97       |
| 71) 1,2,3-Trichloropropane    | 10.832 | 75   | 21922    | 3.376  | ug/l   | 62       |
| 72) Bromobenzene              | 10.778 | 156  | 15643    | 1.784  | ug/l   | 84       |
| 73) n-propylbenzene           | 10.903 | 120  | 19447    | 2.036  | ug/l   | 86       |
| 74) 2-Chlorotoluene           | 10.983 | 126  | 17147    | 1.966  | ug/l   | 89       |
| 75) 1,3,5-Trimethylbenzene    | 11.083 | 105  | 62827    | 2.117  | ug/l   | 94       |
| 76) 4-Chlorotoluene           | 11.096 | 126  | 17158    | 1.917  | ug/l   | 89       |
| 77) tert-Butylbenzene         | 11.418 | 119  | 62206    | 2.072  | ug/l   | 95       |
| 78) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 63326    | 2.120  | ug/l   | 95       |
| 79) sec-Butylbenzene          | 11.639 | 105  | 82463    | 2.124  | ug/l   | 96       |
| 80) Nitrobenzene              | 13.208 | 77   | 5451     | 11.740 | ug/l # | 92       |
| 81) p-Isopropyltoluene        | 11.790 | 119  | 64198    | 1.996  | ug/l # | 94       |
| 82) 1,3-Dichlorobenzene       | 11.742 | 146  | 31402    | 1.754  | ug/l   | 96       |
| 83) 1,4-Dichlorobenzene       | 11.832 | 146  | 31070    | 1.728  | ug/l # | 95       |
| 84) n-Butylbenzene            | 12.205 | 91   | 64488    | 2.269  | ug/l   | 96       |
| 85) 1,2-Dichlorobenzene       | 12.208 | 146  | 31004    | 1.835  | ug/l   | 96       |
| 86) 1,2-Dibromo-3-Chloropr... | 12.993 | 75   | 2799     | 2.014  | ug/l   | 85       |
| 87) 1,2,4-Trichlorobenzene    | 13.839 | 180  | 19837    | 1.957  | ug/l   | 98       |
| 88) Hexachlorobutadiene       | 14.015 | 225  | 9784     | 1.377  | ug/l   | 99       |
| 89) Naphthalene               | 14.083 | 128  | 41355    | 2.105  | ug/l   | 98       |
| 90) 1,2,3-Trichlorobenzene    | 14.327 | 180  | 18049    | 1.876  | ug/l   | 96       |

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

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
QLast Update : Tue Jan 24 05:16:59 2023  
Response via : Initial Calibration



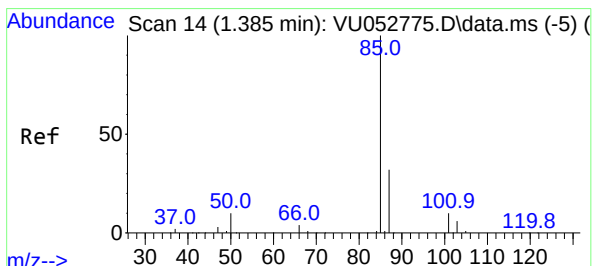
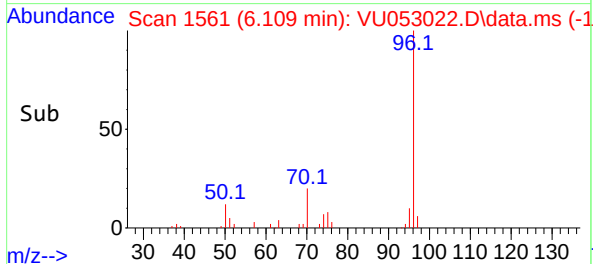
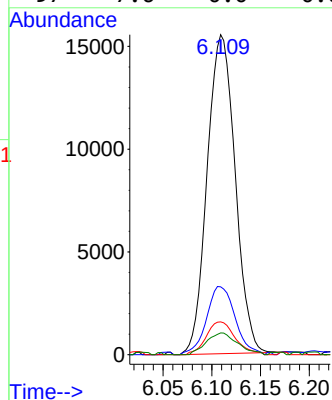
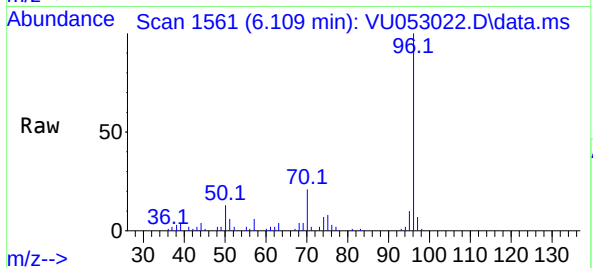


#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.109 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0209WBSD01

Tgt Ion: 96 Resp: 31042

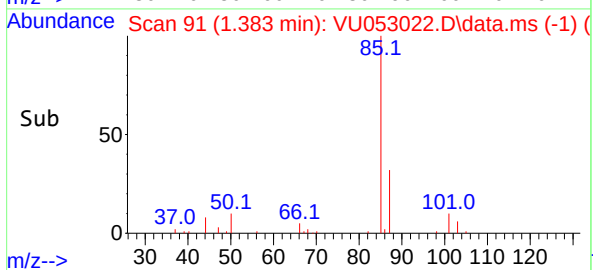
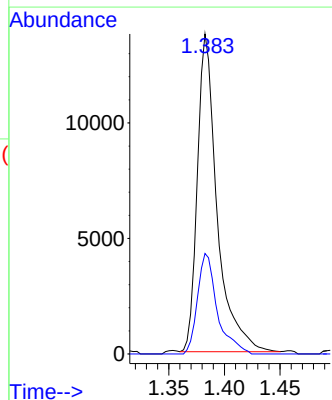
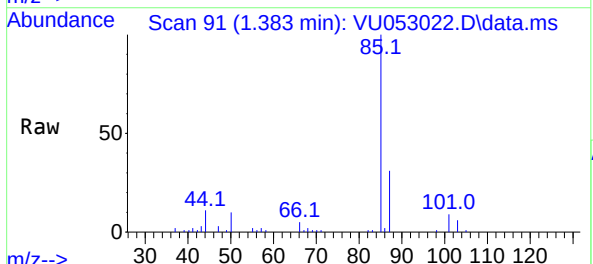
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 70  | 21.8  | 16.2  | 24.4  |
| 95  | 10.7  | 7.4   | 11.0  |
| 97  | 7.6   | 0.0   | 0.0   |

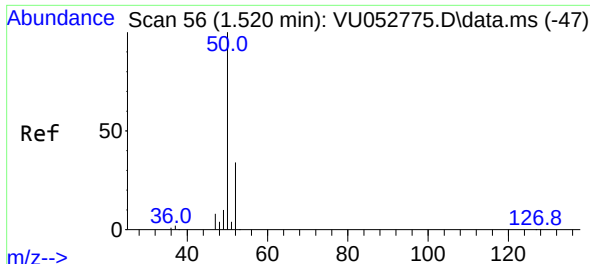


#2  
Dichlorodifluoromethane  
Concen: 1.612 ug/l  
RT: 1.383 min Scan# 91  
Delta R.T. -0.003 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

Tgt Ion: 85 Resp: 16939

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 85  | 100   |       |       |
| 87  | 31.6  | 16.1  | 48.2  |

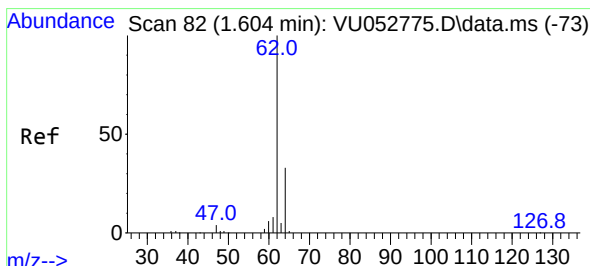
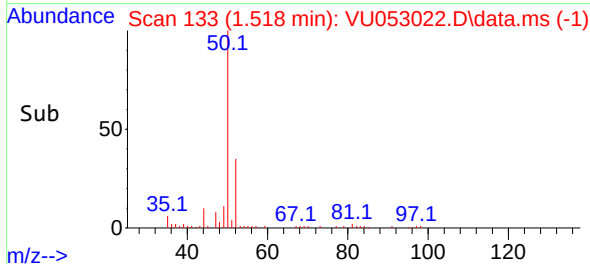
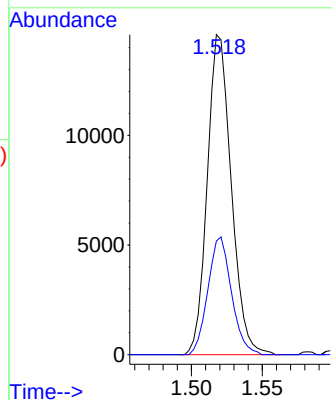
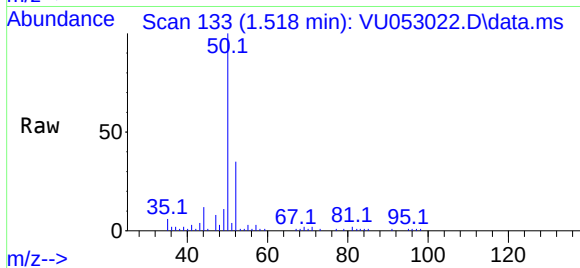




#3  
Chloromethane  
Concen: 1.722 ug/l  
RT: 1.518 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

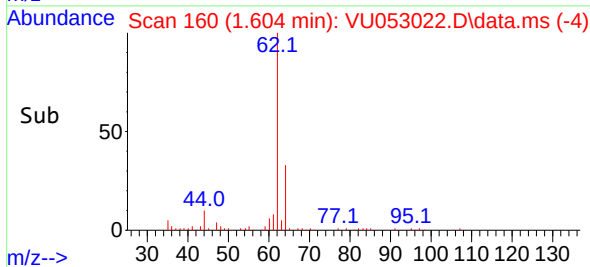
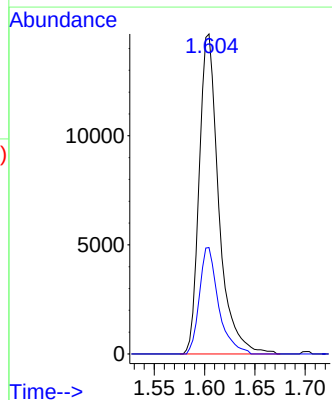
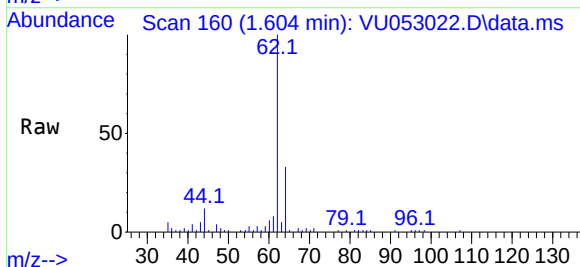
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0209WBSD01

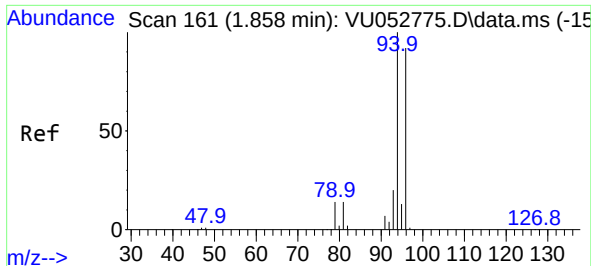
Tgt Ion: 50 Resp: 17164  
Ion Ratio Lower Upper  
50 100  
52 35.5 26.8 40.2



#4  
Vinyl Chloride  
Concen: 2.057 ug/l  
RT: 1.604 min Scan# 160  
Delta R.T. 0.001 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

Tgt Ion: 62 Resp: 19805  
Ion Ratio Lower Upper  
62 100  
64 33.2 26.0 39.0

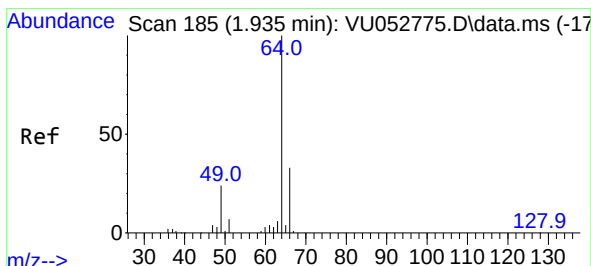
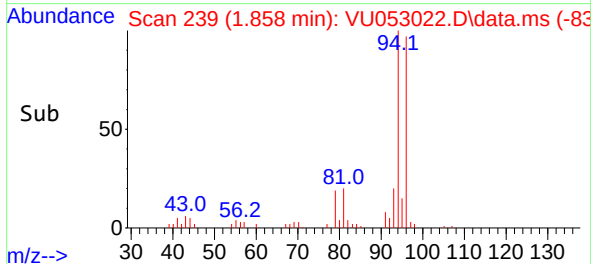
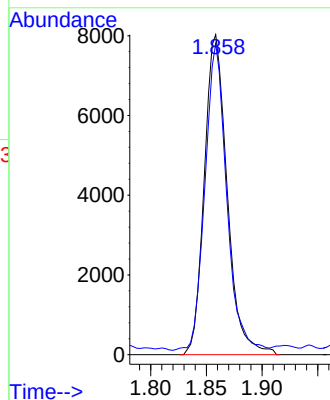
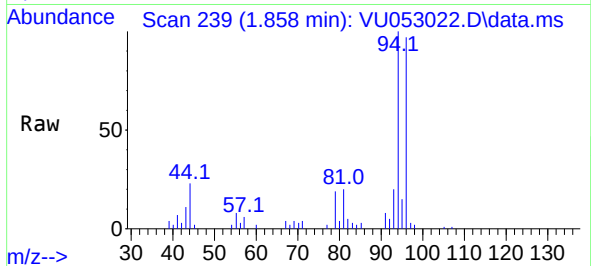




#5  
Bromomethane  
Concen: 2.292 ug/l  
RT: 1.858 min Scan# 21  
Delta R.T. 0.001 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

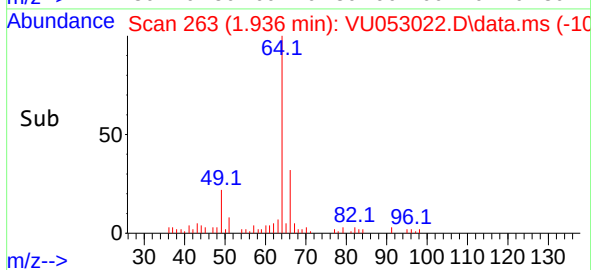
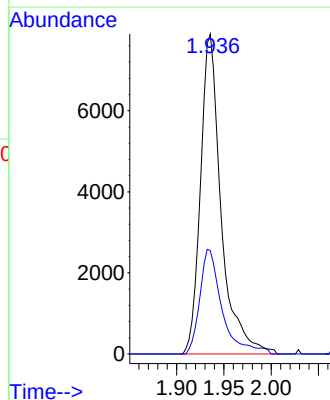
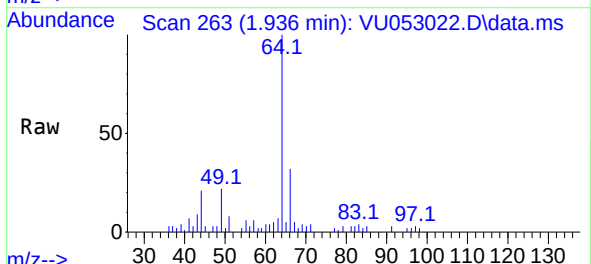
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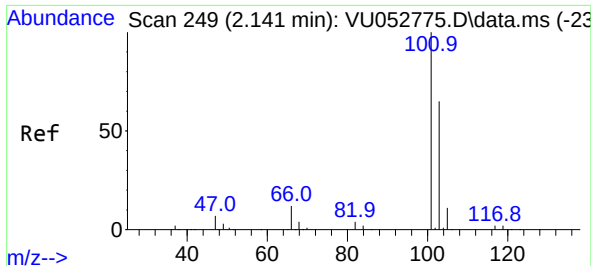
Tgt Ion: 94 Resp: 11466  
Ion Ratio Lower Upper  
94 100  
96 95.2 73.8 110.6



#6  
Chloroethane  
Concen: 2.065 ug/l  
RT: 1.936 min Scan# 263  
Delta R.T. 0.001 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

Tgt Ion: 64 Resp: 11958  
Ion Ratio Lower Upper  
64 100  
66 32.3 26.6 40.0

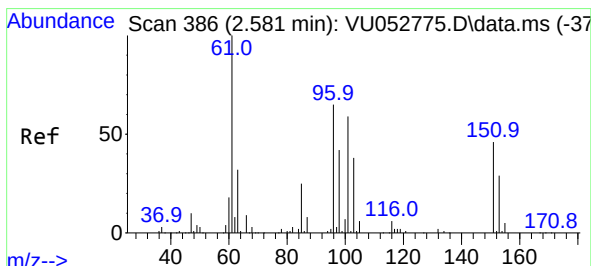
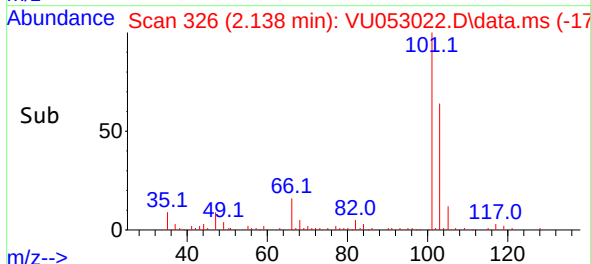
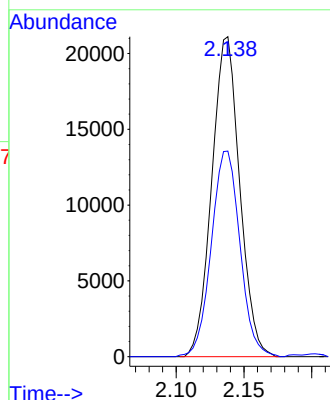
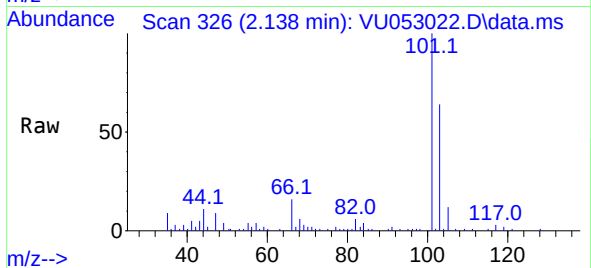




#7  
Trichlorofluoromethane  
Concen: 2.161 ug/l  
RT: 2.138 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

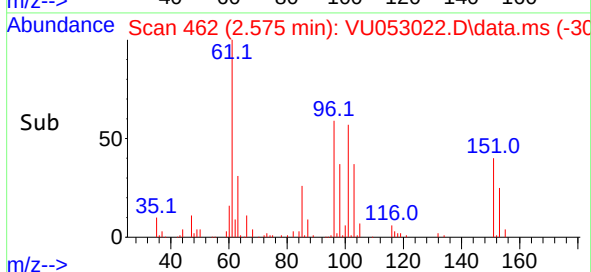
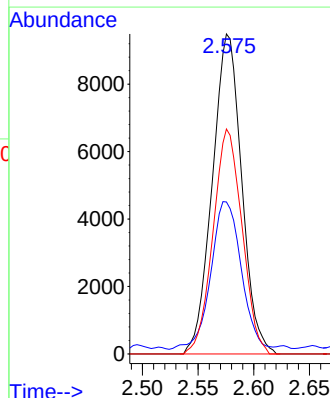
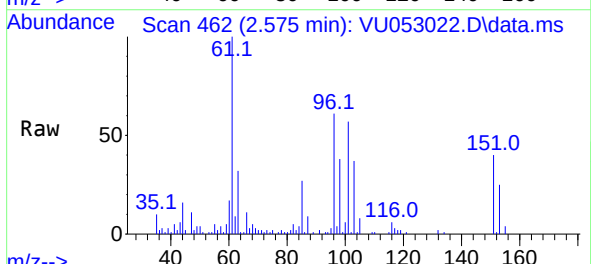
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0209WBSD01

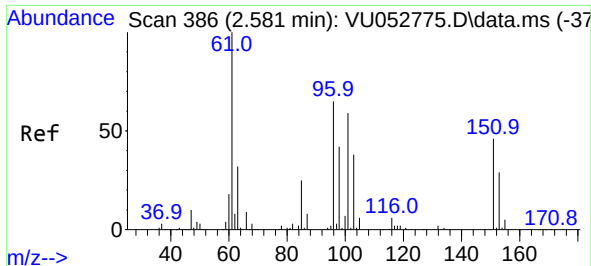
Tgt Ion:101 Resp: 30306  
Ion Ratio Lower Upper  
101 100  
103 64.3 51.6 77.4



#8  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 2.267 ug/l  
RT: 2.575 min Scan# 462  
Delta R.T. -0.006 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

Tgt Ion:101 Resp: 17382  
Ion Ratio Lower Upper  
101 100  
85 46.5 34.1 51.1  
151 69.4 63.0 94.4

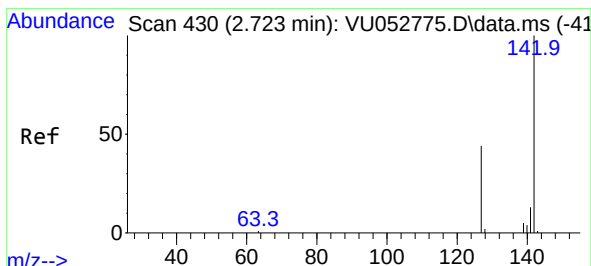
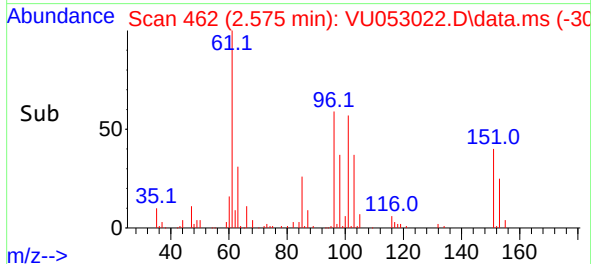
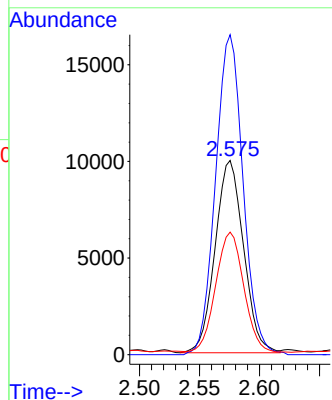
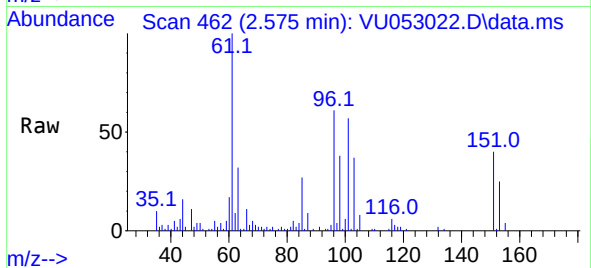




#9  
1,1-Dichloroethene  
Concen: 2.264 ug/l  
RT: 2.575 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

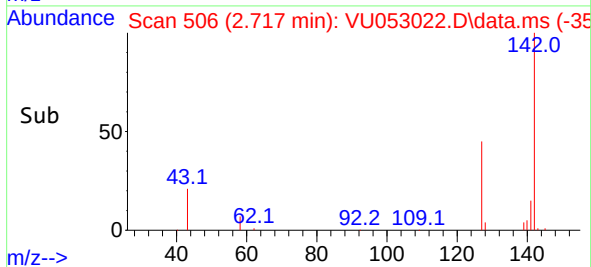
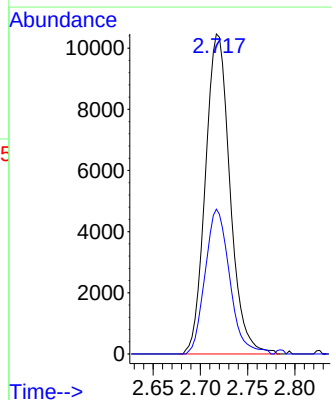
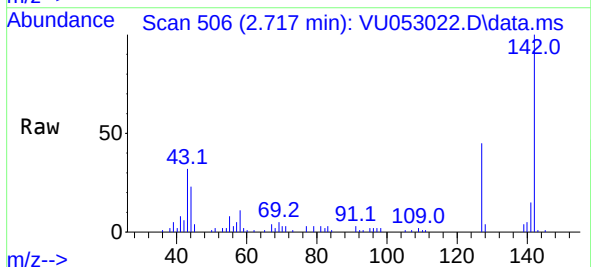
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0209WBSD01

Tgt Ion: 96 Resp: 16398  
Ion Ratio Lower Upper  
96 100  
61 166.5 0.0 460.5  
98 62.4 0.0 128.0

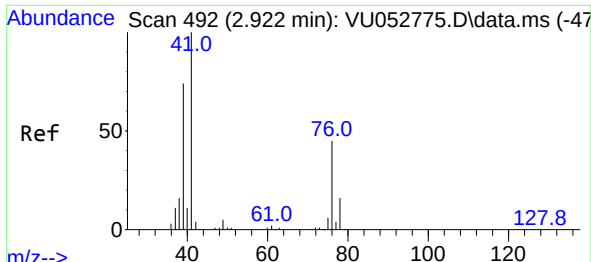


#10  
Iodomethane  
Concen: 2.361 ug/l  
RT: 2.717 min Scan# 506  
Delta R.T. -0.006 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

Tgt Ion:142 Resp: 18931  
Ion Ratio Lower Upper  
142 100  
127 45.2 35.4 53.0



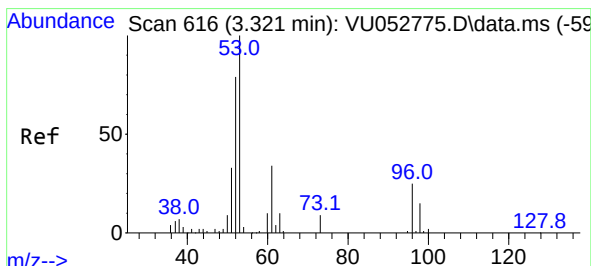
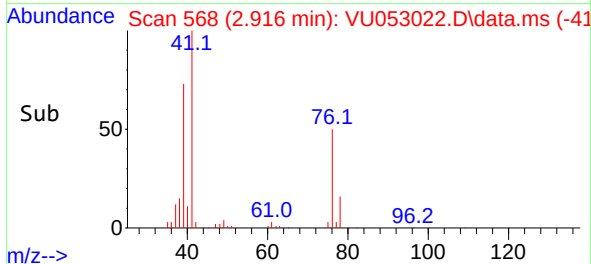
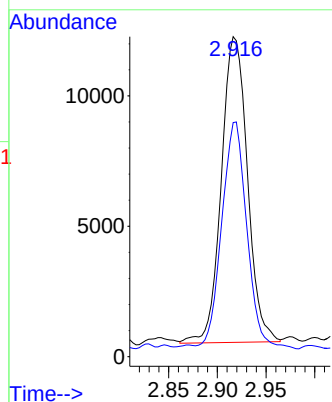
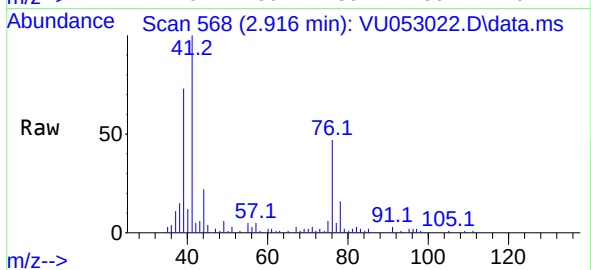




#11  
 Allyl Chloride  
 Concen: 2.528 ug/l  
 RT: 2.916 min Scan# 50  
 Delta R.T. -0.006 min  
 Lab File: VU053022.D  
 Acq: 09 Feb 2023 17:21

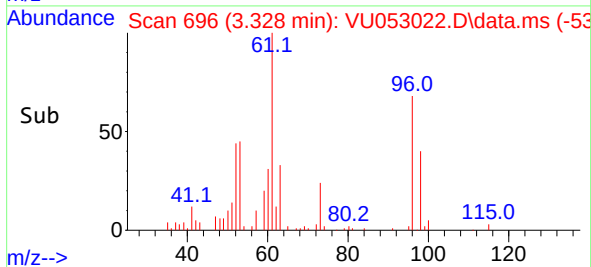
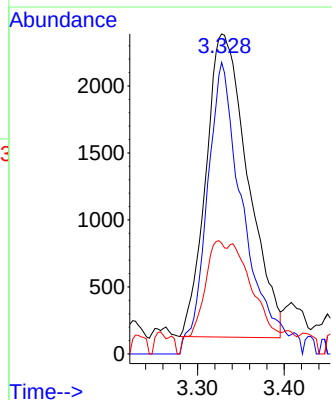
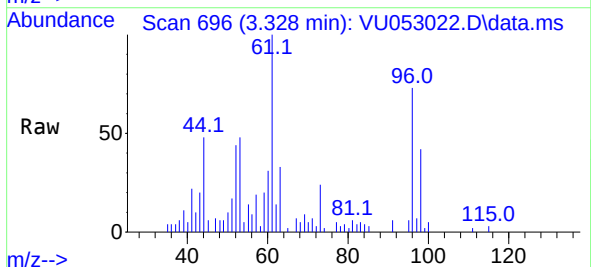
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0209WBSD01

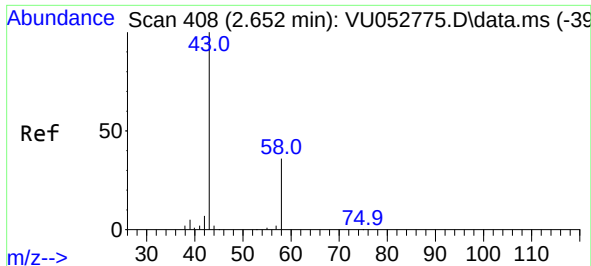
Tgt Ion: 41 Resp: 21878  
 Ion Ratio Lower Upper  
 41 100  
 39 71.5 59.3 88.9



#12  
 Acrylonitrile  
 Concen: 4.959 ug/l  
 RT: 3.328 min Scan# 696  
 Delta R.T. 0.007 min  
 Lab File: VU053022.D  
 Acq: 09 Feb 2023 17:21

Tgt Ion: 53 Resp: 7616  
 Ion Ratio Lower Upper  
 53 100  
 52 83.0 63.0 94.4  
 51 21.4 31.3 46.9#





#13

Acetone

Concen: 13.608 ug/l

RT: 2.665 min Scan# 490

Delta R.T. 0.013 min

Lab File: VU053022.D

Acq: 09 Feb 2023 17:21

Instrument :

MSVOA\_U

ClientSampleId :

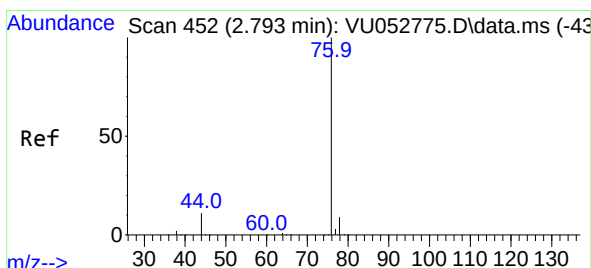
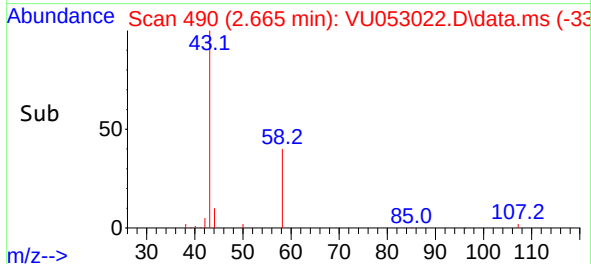
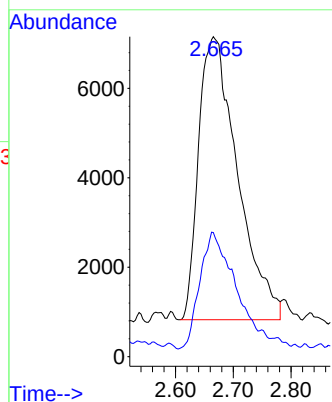
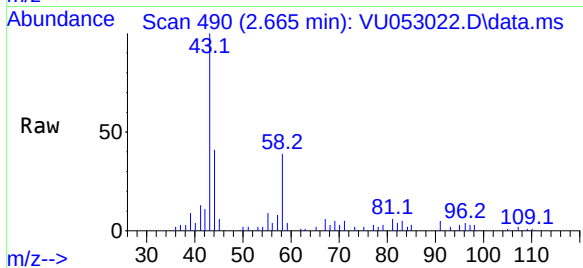
VU0209WBSD01

Tgt Ion: 43 Resp: 29640

Ion Ratio Lower Upper

43 100

58 40.9 29.0 43.4



#14

Carbon Disulfide

Concen: 1.926 ug/l

RT: 2.788 min Scan# 528

Delta R.T. -0.006 min

Lab File: VU053022.D

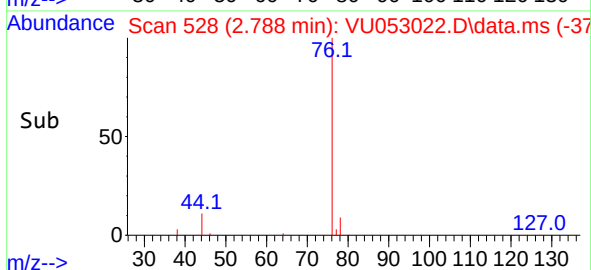
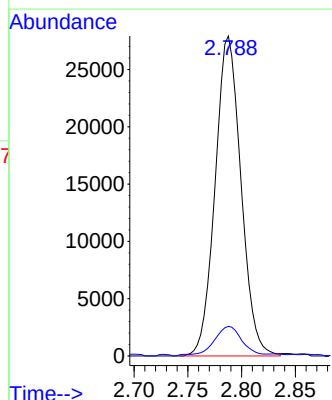
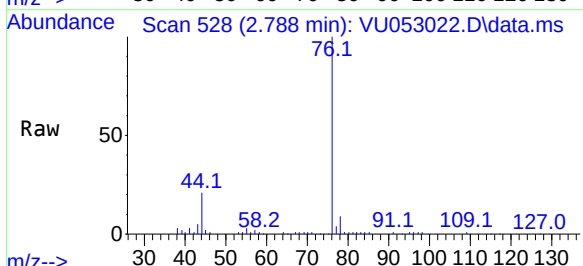
Acq: 09 Feb 2023 17:21

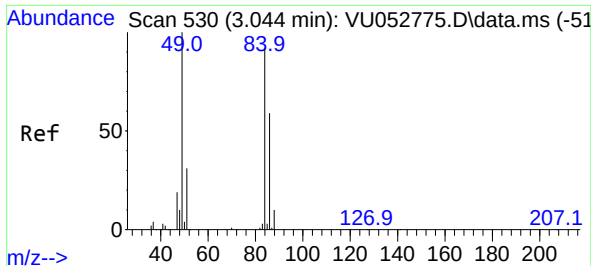
Tgt Ion: 76 Resp: 46735

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7



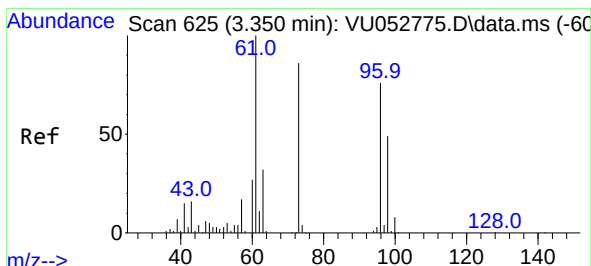
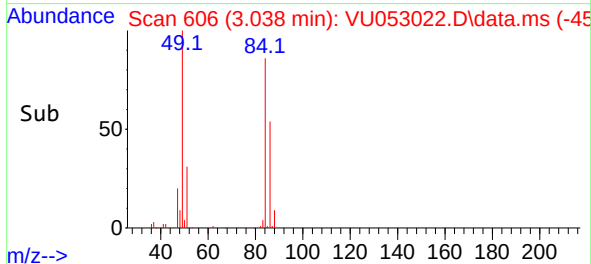
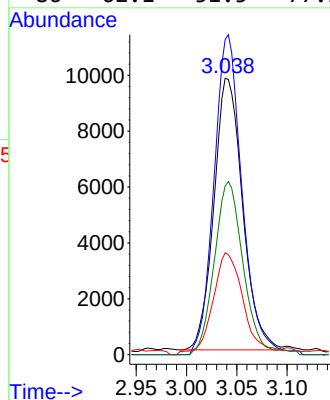
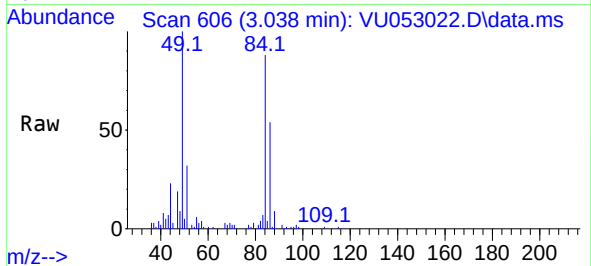


#15  
Methylene Chloride  
Concen: 2.214 ug/l  
RT: 3.038 min Scan# 60  
Delta R.T. -0.006 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0209WBSD01

Tgt Ion: 84 Resp: 19371

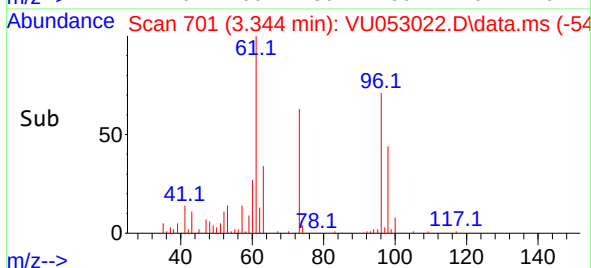
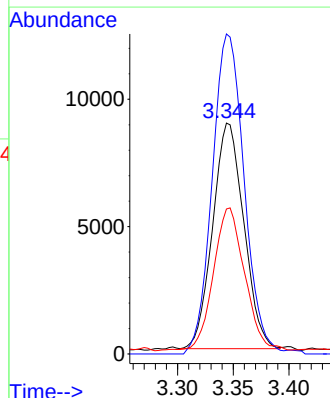
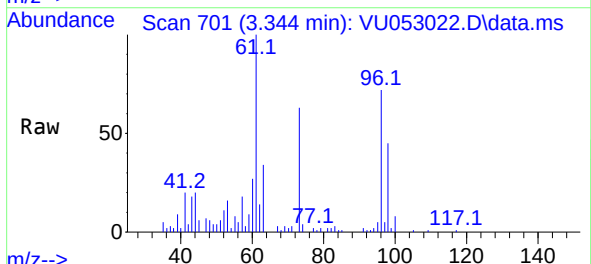
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 115.9 | 86.7  | 130.1 |
| 51  | 36.3  | 0.0   | 66.8  |
| 86  | 62.1  | 51.5  | 77.3  |

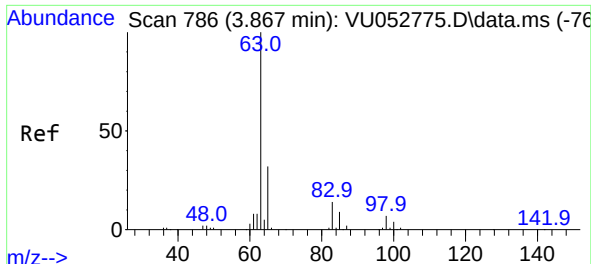


#16  
trans-1,2-Dichloroethene  
Concen: 2.137 ug/l  
RT: 3.344 min Scan# 701  
Delta R.T. -0.006 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

Tgt Ion: 96 Resp: 17225

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 141.8 | 105.7 | 158.5 |
| 98  | 62.2  | 51.4  | 77.2  |

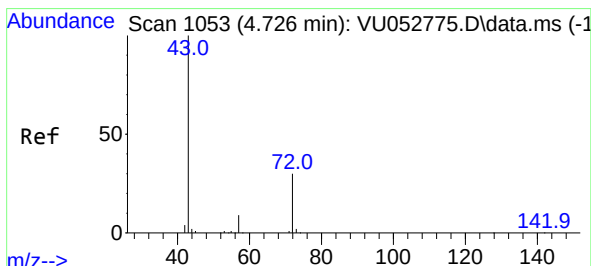
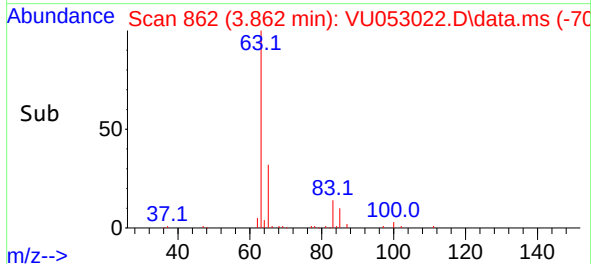
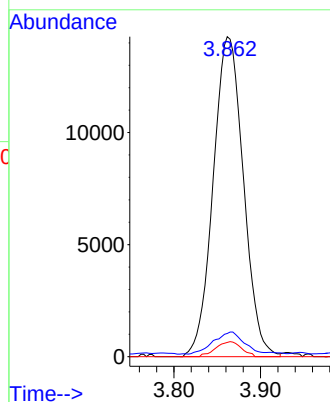
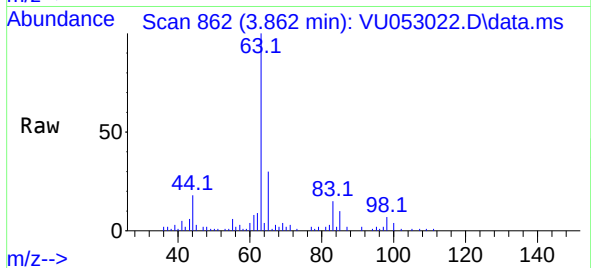




#17  
1,1-Dichloroethane  
Concen: 2.546 ug/l  
RT: 3.862 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

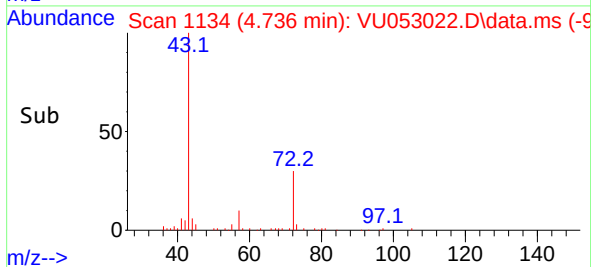
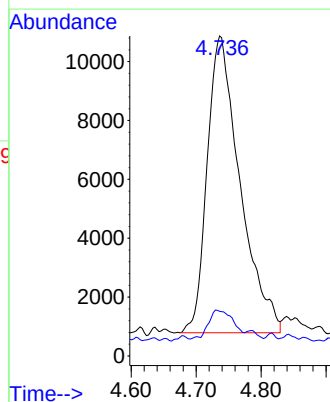
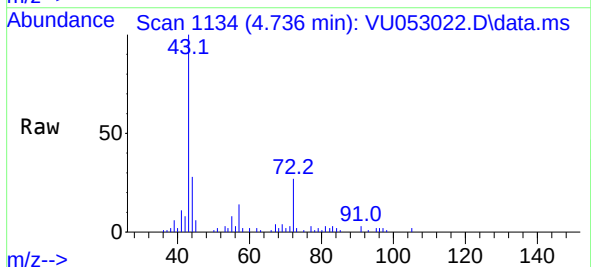
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0209WBSD01

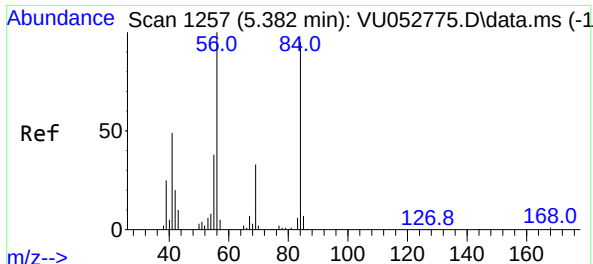
Tgt Ion: 63 Resp: 34640  
Ion Ratio Lower Upper  
63 100  
98 6.5 3.8 11.2  
100 4.4 2.2 6.6



#18  
2-Butanone  
Concen: 14.021 ug/l  
RT: 4.736 min Scan# 1134  
Delta R.T. 0.010 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

Tgt Ion: 43 Resp: 35482  
Ion Ratio Lower Upper  
43 100  
57 9.1 0.0 17.4



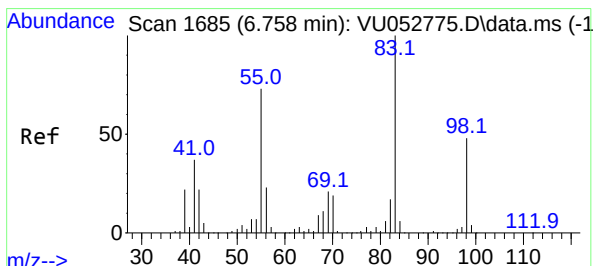
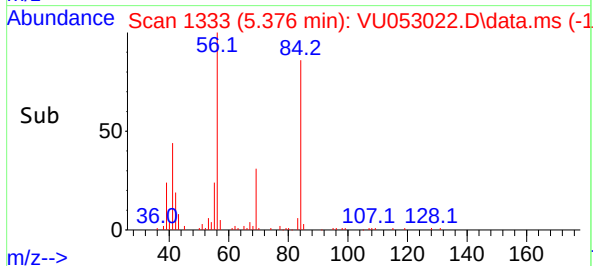
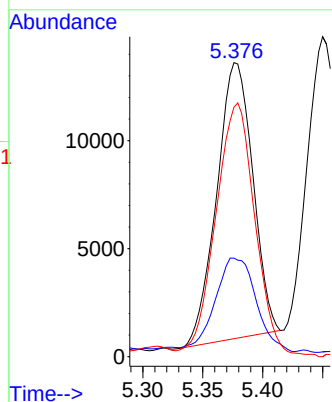
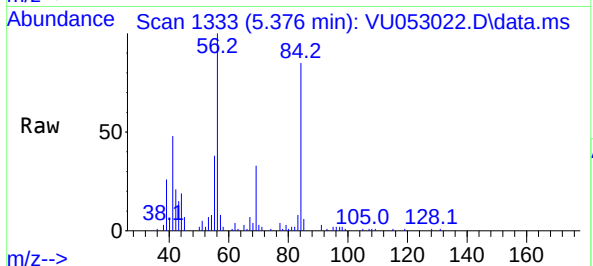


#19  
Cyclohexane  
Concen: 2.236 ug/l  
RT: 5.376 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0209WBSD01

Tgt Ion: 56 Resp: 26762

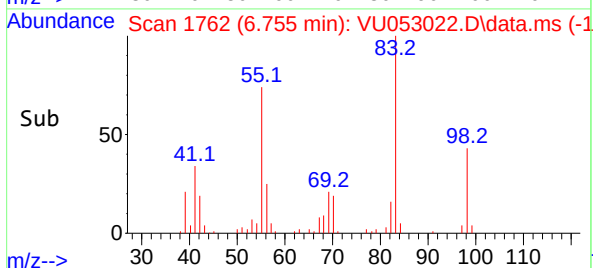
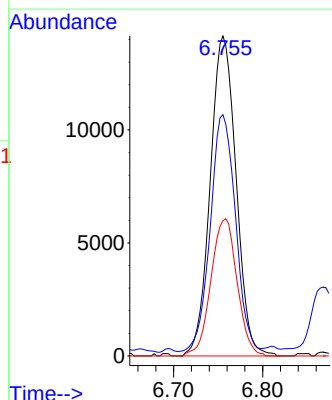
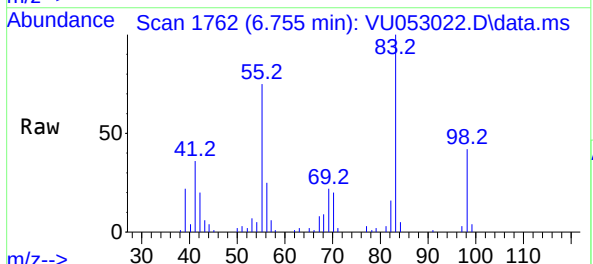
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 36.6  | 26.8  | 40.2  |
| 84  | 96.9  | 77.0  | 115.6 |

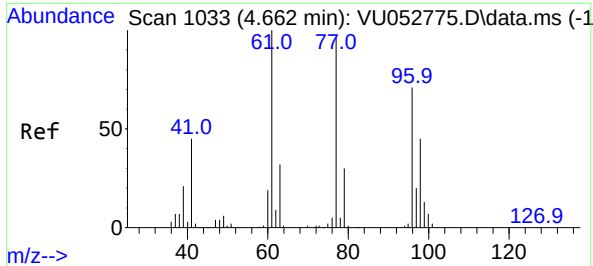


#20  
Methylcyclohexane  
Concen: 2.138 ug/l  
RT: 6.755 min Scan# 1762  
Delta R.T. -0.003 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

Tgt Ion: 83 Resp: 28544

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 70.8  | 58.7  | 88.1  |
| 98  | 43.4  | 39.4  | 59.2  |

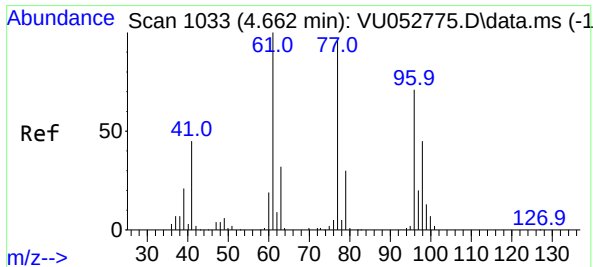
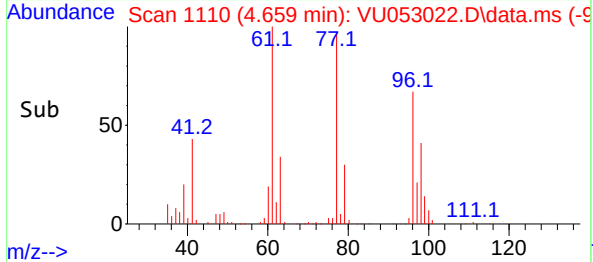
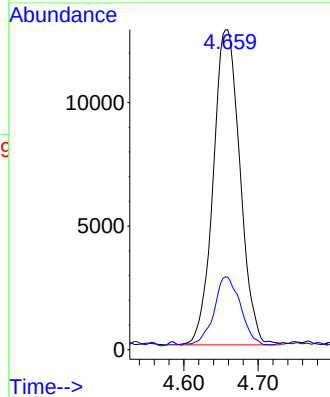
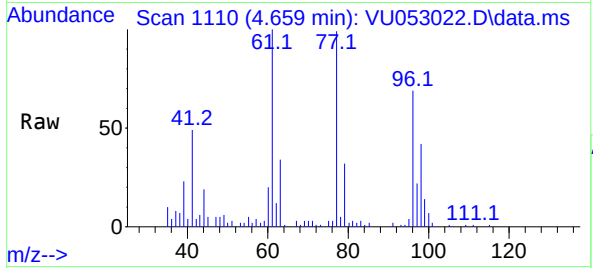




#21  
2,2-Dichloropropane  
Concen: 2.533 ug/l  
RT: 4.659 min Scan# 1110  
Delta R.T. -0.003 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

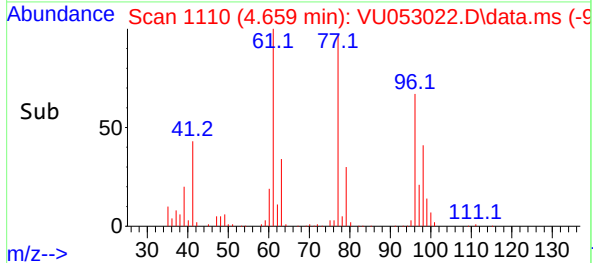
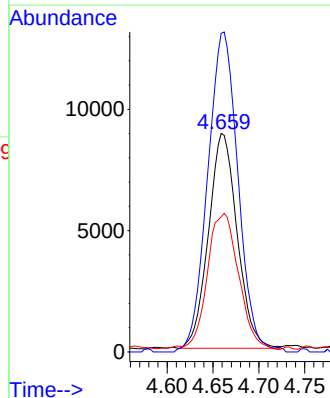
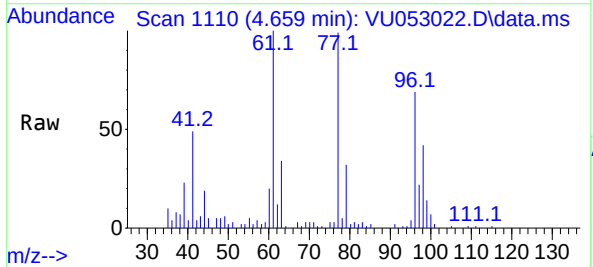
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0209WBSD01

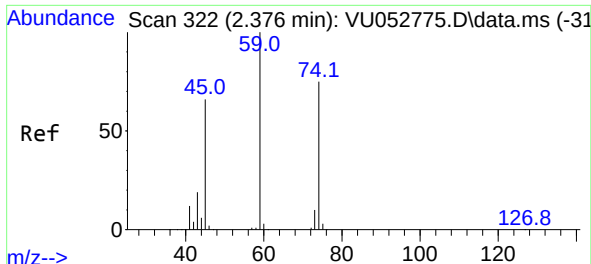
Tgt Ion: 77 Resp: 32015  
Ion Ratio Lower Upper  
77 100  
97 21.3 16.8 25.2



#22  
cis-1,2-Dichloroethene  
Concen: 2.291 ug/l  
RT: 4.659 min Scan# 1110  
Delta R.T. -0.003 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

Tgt Ion: 96 Resp: 19298  
Ion Ratio Lower Upper  
96 100  
61 157.1 0.0 353.3  
98 69.2 32.6 97.7

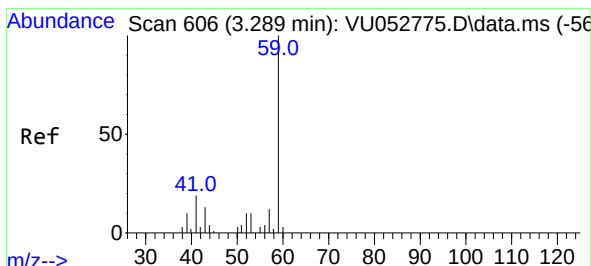
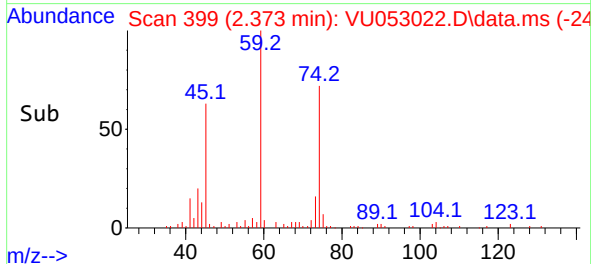
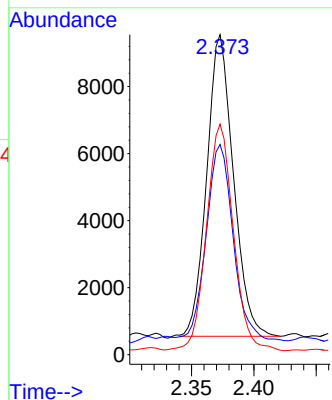
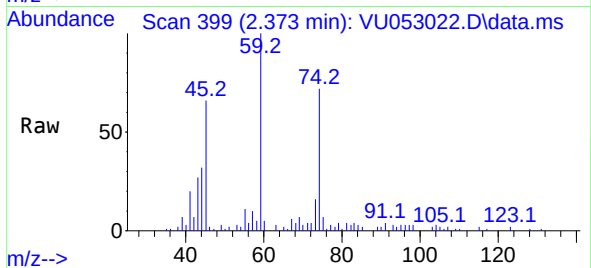




#23  
Diethyl Ether  
Concen: 2.618 ug/l  
RT: 2.373 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

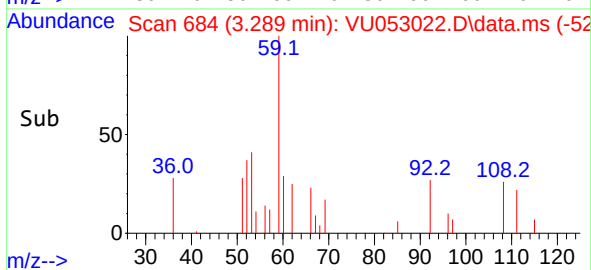
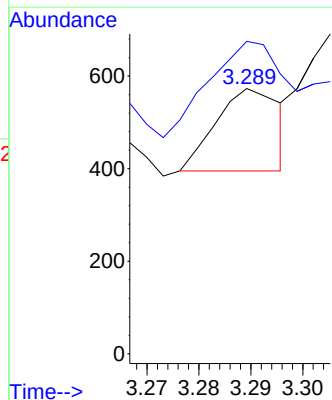
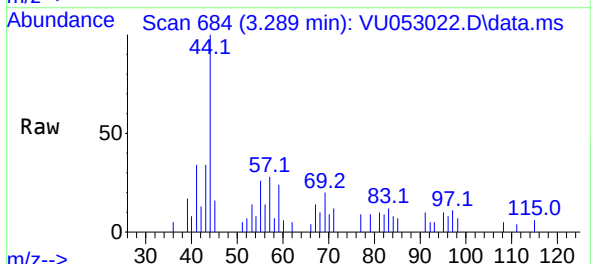
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0209WBSD01

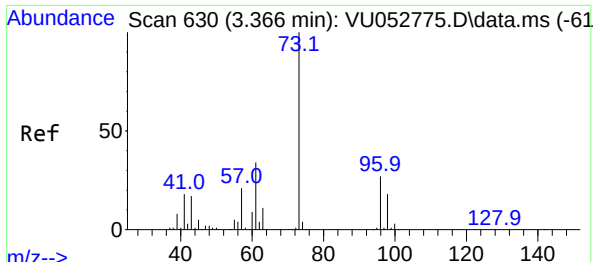
Tgt Ion: 59 Resp: 13405  
Ion Ratio Lower Upper  
59 100  
45 65.8 52.1 78.1  
74 75.9 61.6 92.4



#24  
tert-Butyl Alcohol  
Concen: 0.245 ug/l  
RT: 3.289 min Scan# 684  
Delta R.T. 0.001 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

Tgt Ion: 59 Resp: 151  
Ion Ratio Lower Upper  
59 100  
57 0.0 45.8 68.8#

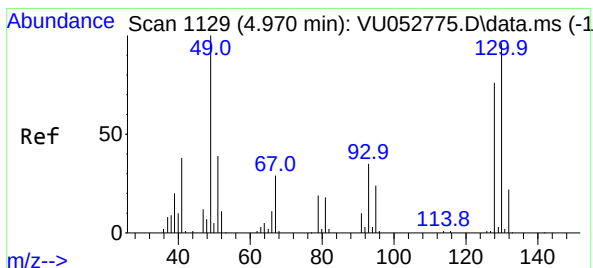
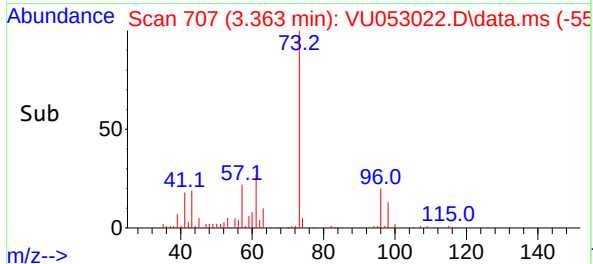
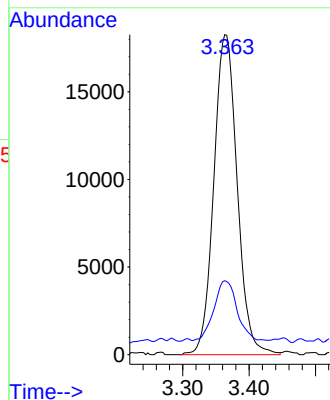
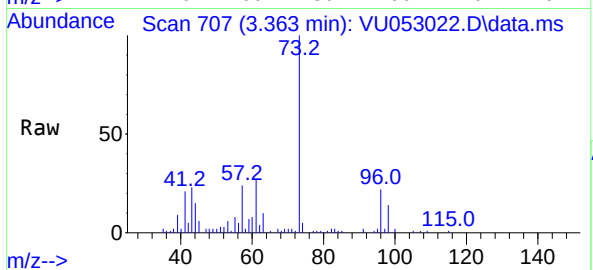




#25  
Methyl tert-Butyl Ether  
Concen: 2.691 ug/l  
RT: 3.363 min Scan# 70  
Delta R.T. -0.003 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

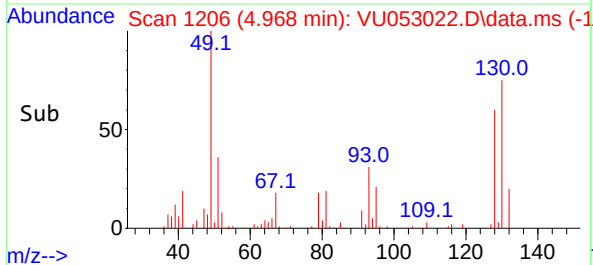
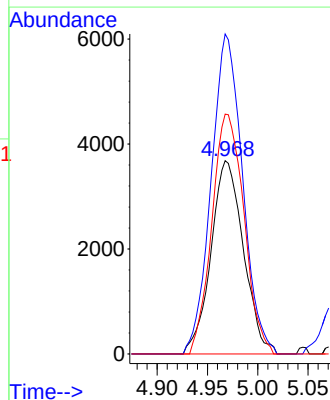
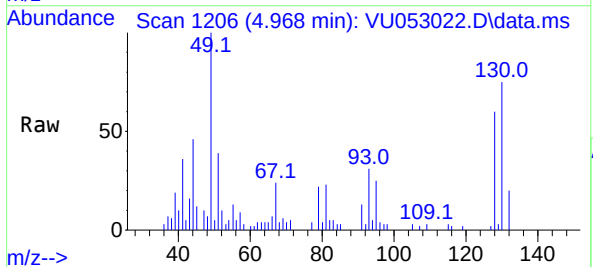
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0209WBSD01

Tgt Ion: 73 Resp: 44717  
Ion Ratio Lower Upper  
73 100  
43 18.4 15.3 22.9

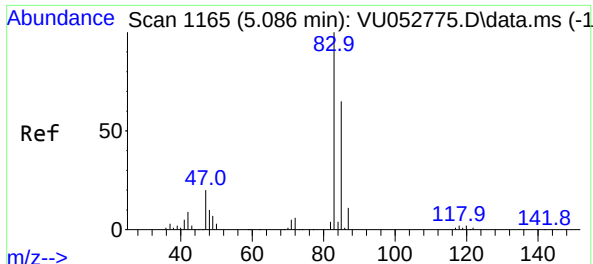


#26  
Bromochloromethane  
Concen: 2.100 ug/l  
RT: 4.968 min Scan# 1206  
Delta R.T. -0.003 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

Tgt Ion: 128 Resp: 8260  
Ion Ratio Lower Upper  
128 100  
49 160.0 0.0 265.0  
130 122.8 100.7 151.1



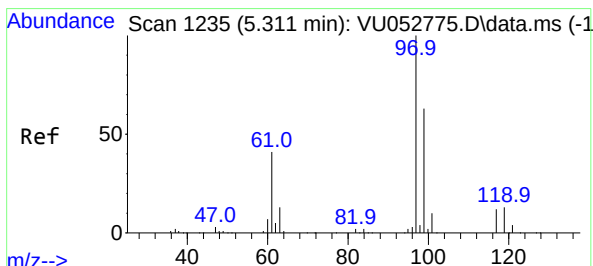
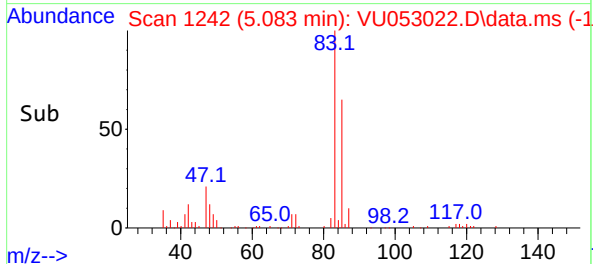
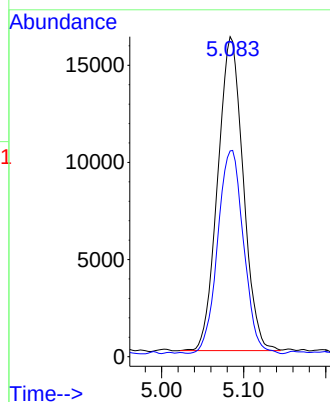
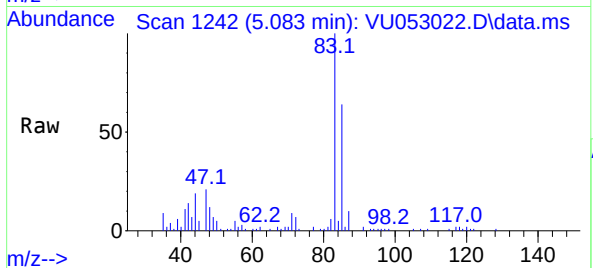




#27  
Chloroform  
Concen: 2.390 ug/l  
RT: 5.083 min Scan# 1165  
Delta R.T. -0.003 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

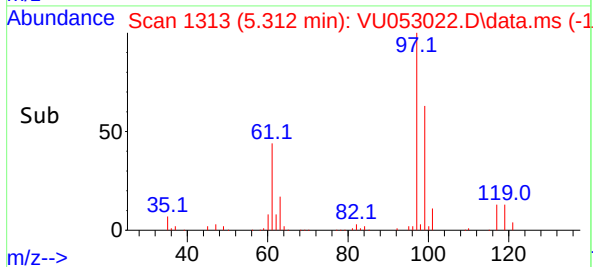
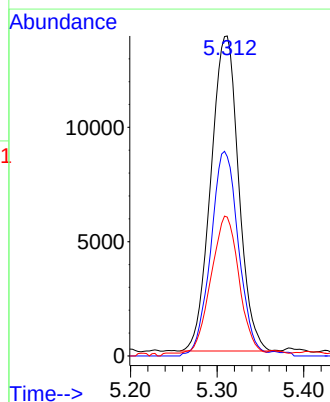
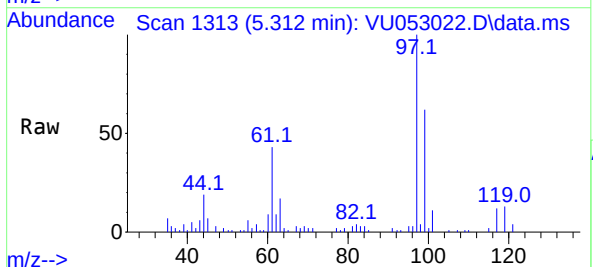
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0209WBSD01

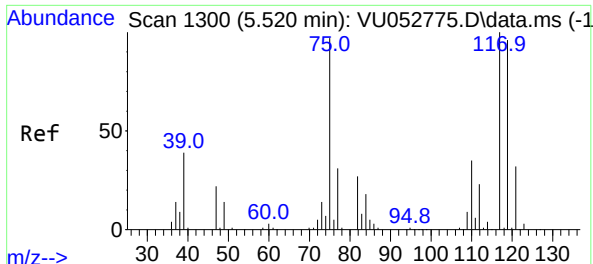
Tgt Ion: 83 Resp: 34863  
Ion Ratio Lower Upper  
83 100  
85 64.5 0.0 130.6



#28  
1,1,1-Trichloroethane  
Concen: 2.281 ug/l  
RT: 5.312 min Scan# 1313  
Delta R.T. 0.001 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

Tgt Ion: 97 Resp: 30732  
Ion Ratio Lower Upper  
97 100  
99 65.1 31.9 95.5  
61 43.4 20.8 62.2



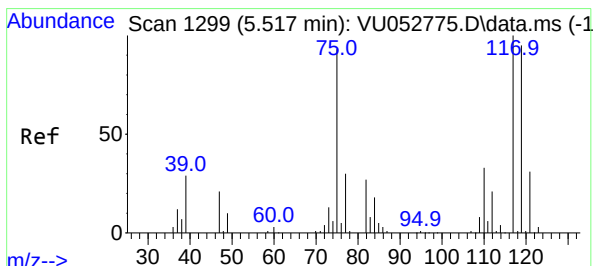
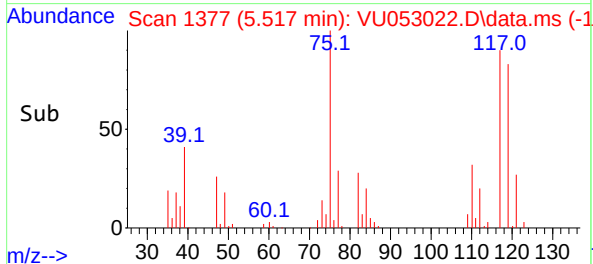
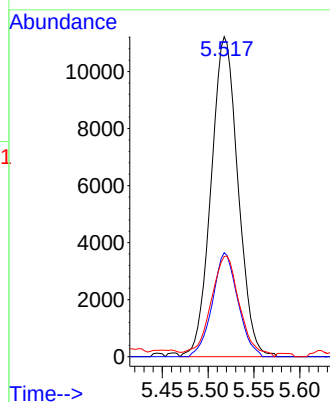
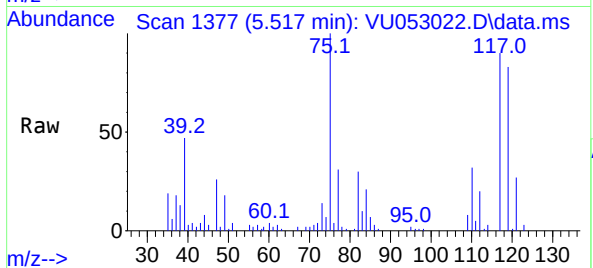


#29  
1,1-Dichloropropene  
Concen: 2.015 ug/l  
RT: 5.517 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0209WBSD01

Tgt Ion: 75 Resp: 22888

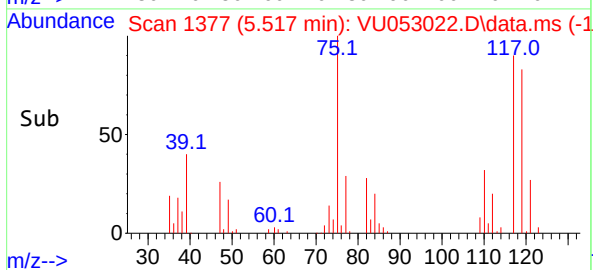
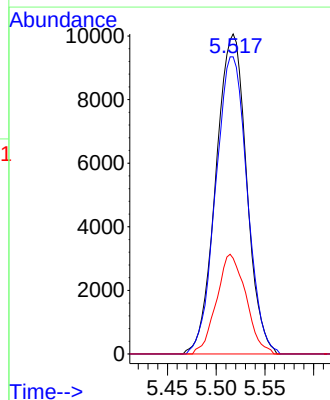
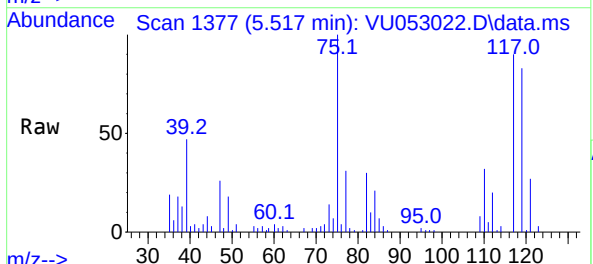
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 110 | 30.7  | 17.4  | 52.2  |
| 77  | 33.7  | 24.8  | 37.2  |

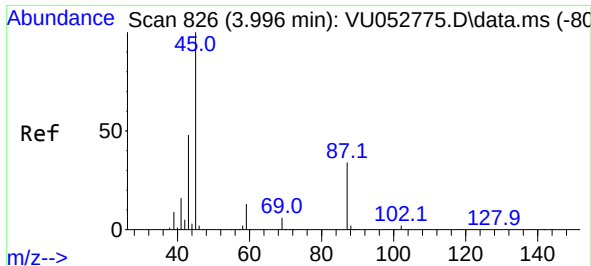


#30  
Carbon Tetrachloride  
Concen: 1.800 ug/l  
RT: 5.517 min Scan# 1377  
Delta R.T. 0.001 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

Tgt Ion: 117 Resp: 21997

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 92.9  | 76.4  | 114.6 |
| 121 | 29.9  | 25.0  | 37.6  |

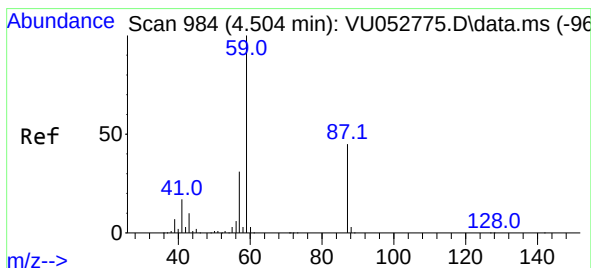
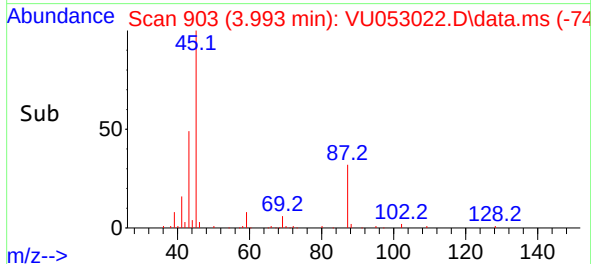
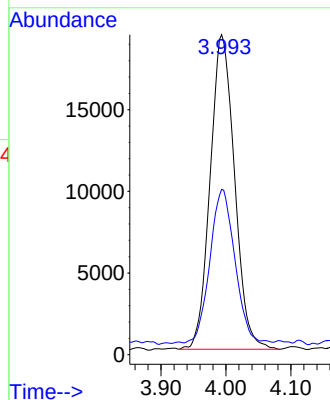
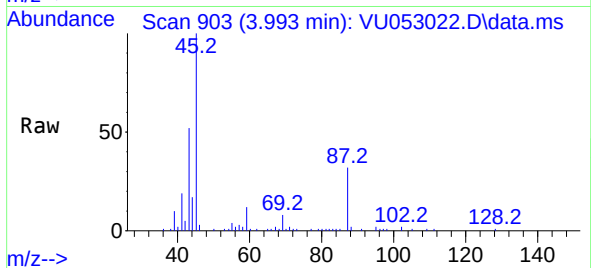




#31  
Isopropyl Ether  
Concen: 2.570 ug/l  
RT: 3.993 min Scan# 90  
Delta R.T. -0.003 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

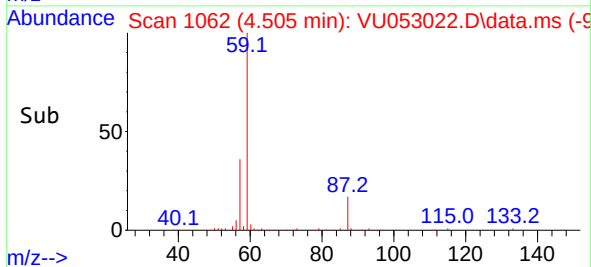
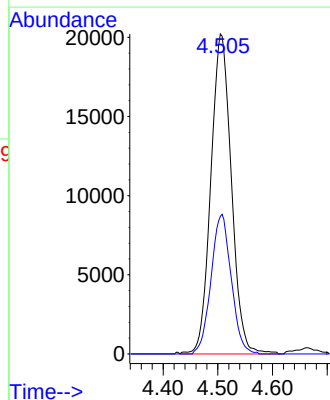
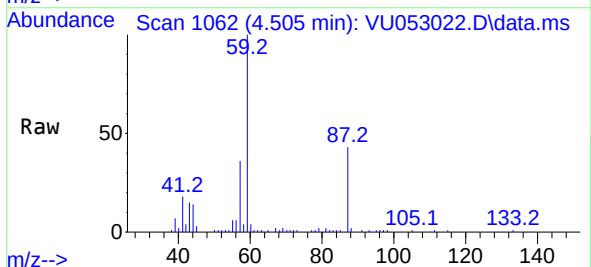
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0209WBSD01

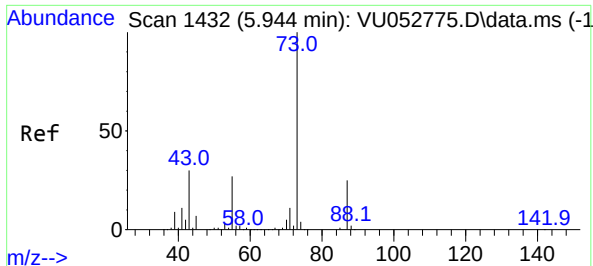
Tgt Ion: 45 Resp: 50280  
Ion Ratio Lower Upper  
45 100  
43 49.5 24.5 73.5



#32  
Ethyl-t-butyl ether  
Concen: 2.884 ug/l  
RT: 4.505 min Scan# 1062  
Delta R.T. 0.001 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

Tgt Ion: 59 Resp: 52663  
Ion Ratio Lower Upper  
59 100  
87 42.9 36.2 54.2



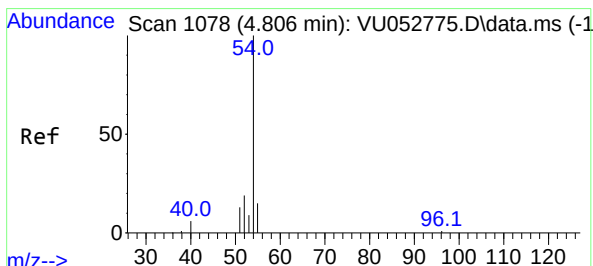
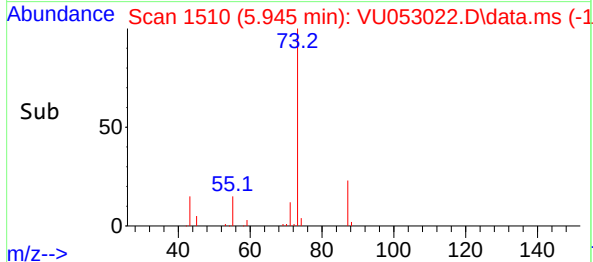
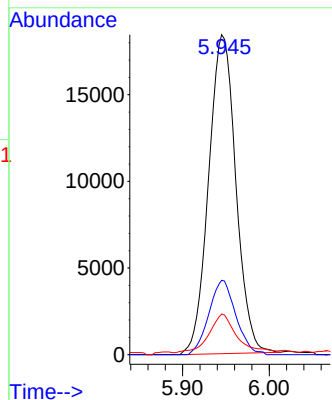
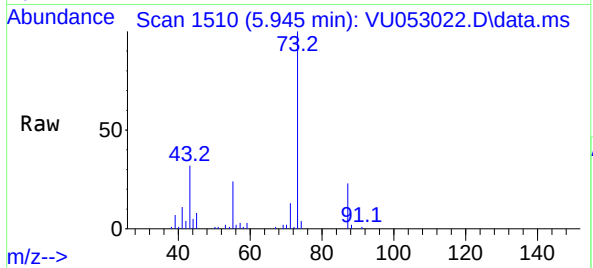


#33  
Tert-Amyl methyl ether  
Concen: 2.490 ug/l  
RT: 5.945 min Scan# 1162  
Delta R.T. 0.001 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0209WBSD01

Tgt Ion: 73 Resp: 40223

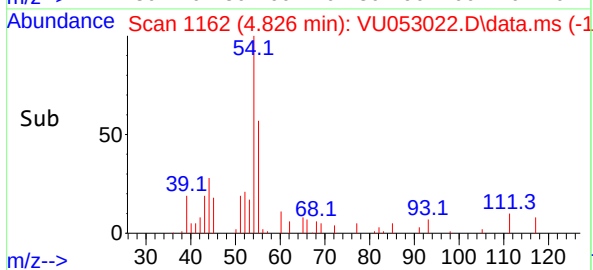
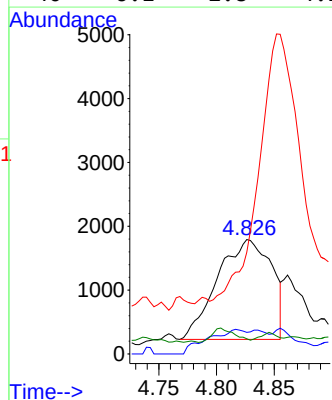
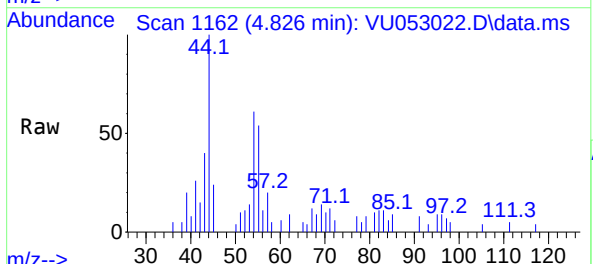
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 87  | 23.1  | 20.1  | 30.1  |
| 71  | 11.3  | 9.2   | 13.8  |

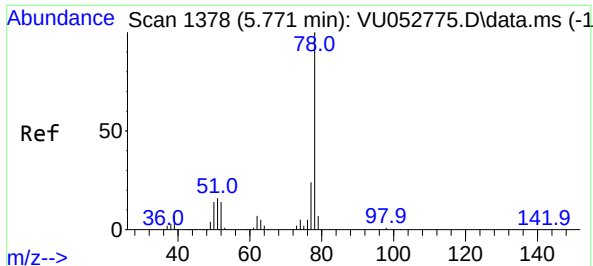


#34  
Propionitrile  
Concen: 8.788 ug/l  
RT: 4.826 min Scan# 1162  
Delta R.T. 0.020 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

Tgt Ion: 54 Resp: 5092

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 54  | 100   |       |        |
| 52  | 17.4  | 16.9  | 25.3   |
| 55  | 0.0   | 118.6 | 178.0# |
| 40  | 6.1   | 2.8   | 4.2#   |

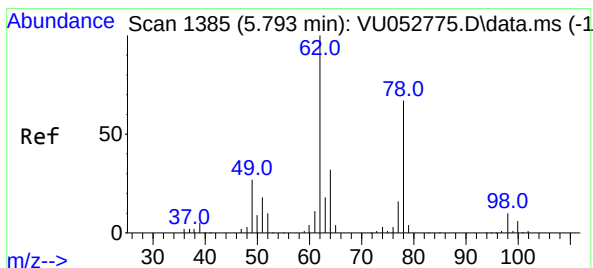
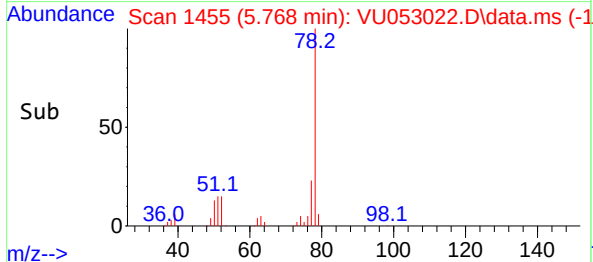
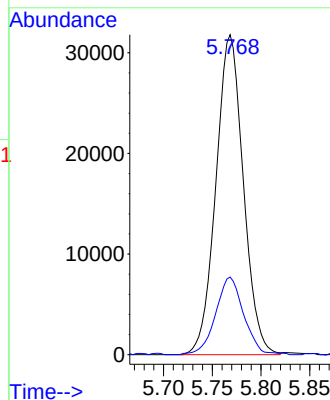
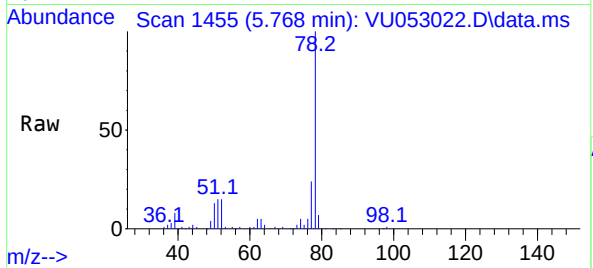




#35  
Benzene  
Concen: 1.888 ug/l  
RT: 5.768 min Scan# 14  
Delta R.T. -0.003 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

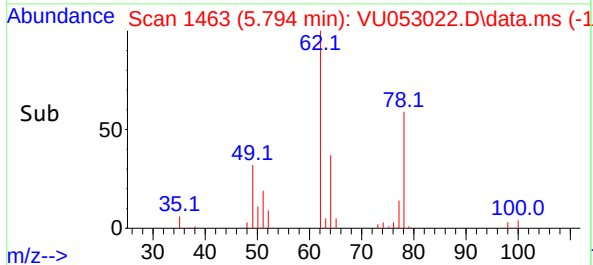
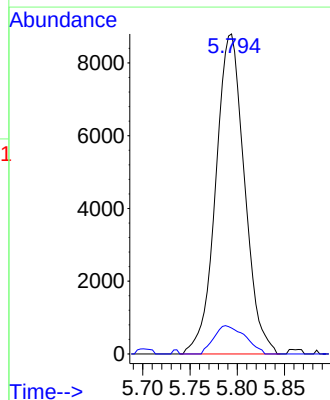
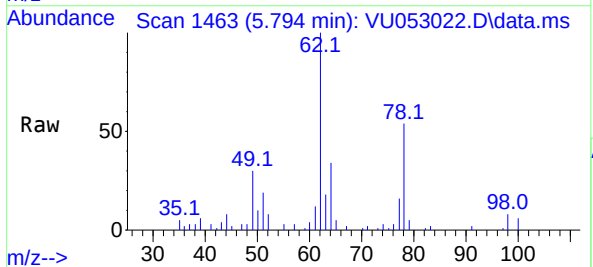
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0209WBSD01

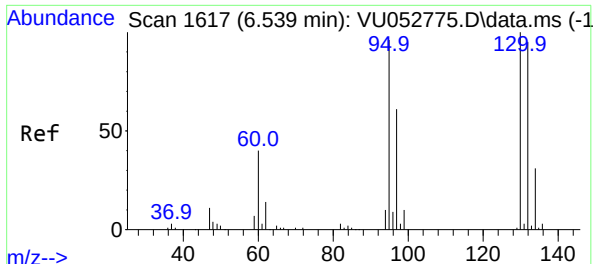
Tgt Ion: 78 Resp: 62226  
Ion Ratio Lower Upper  
78 100  
77 24.2 19.0 28.4



#36  
1,2-Dichloroethane  
Concen: 1.879 ug/l  
RT: 5.794 min Scan# 1463  
Delta R.T. 0.001 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

Tgt Ion: 62 Resp: 18600  
Ion Ratio Lower Upper  
62 100  
98 9.6 7.5 11.3

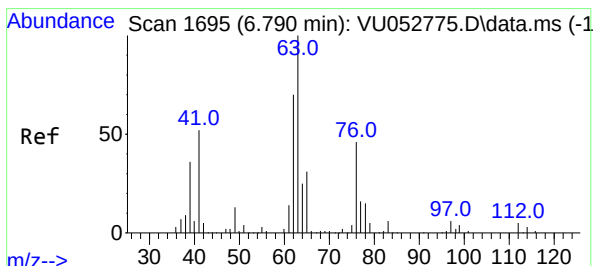
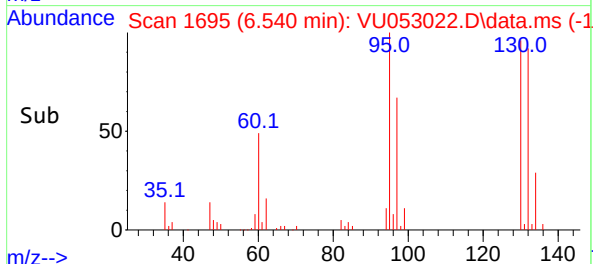
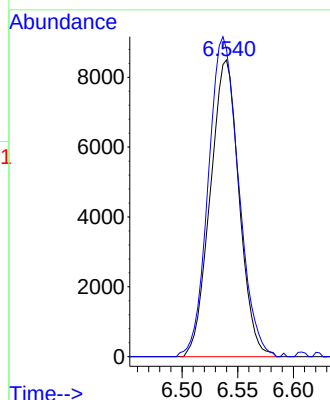
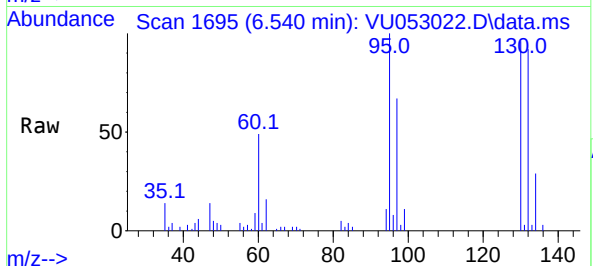




#37  
Trichloroethene  
Concen: 1.707 ug/l  
RT: 6.540 min Scan# 1  
Delta R.T. 0.001 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

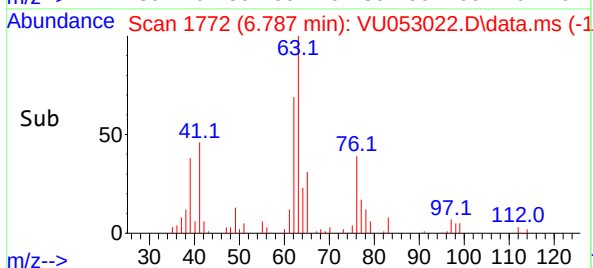
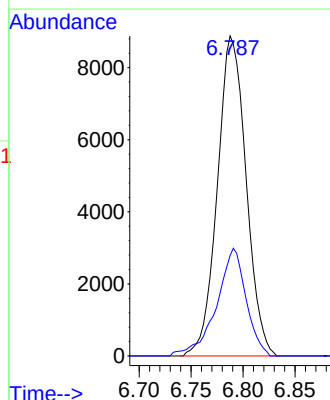
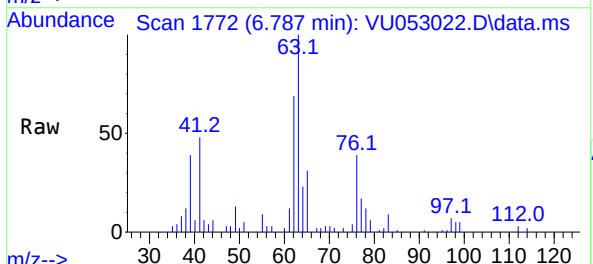
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0209WBSD01

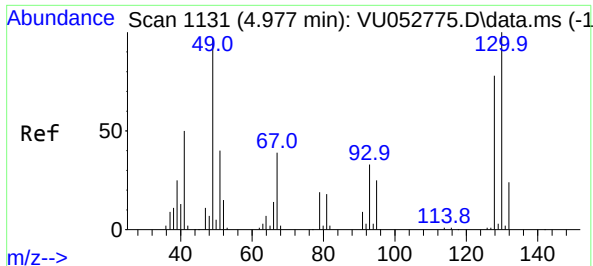
Tgt Ion:130 Resp: 15332  
Ion Ratio Lower Upper  
130 100  
95 103.7 76.6 114.8



#38  
1,2-Dichloropropane  
Concen: 2.044 ug/l  
RT: 6.787 min Scan# 1772  
Delta R.T. -0.003 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

Tgt Ion: 63 Resp: 17088  
Ion Ratio Lower Upper  
63 100  
65 31.4 24.6 36.8



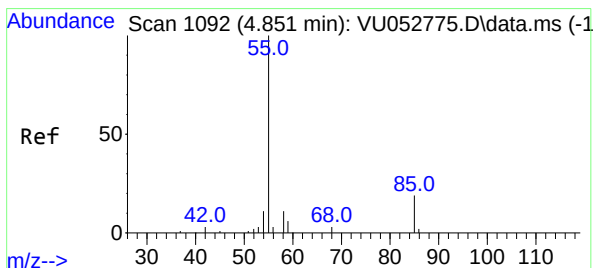
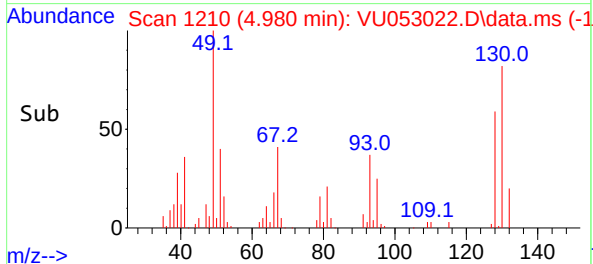
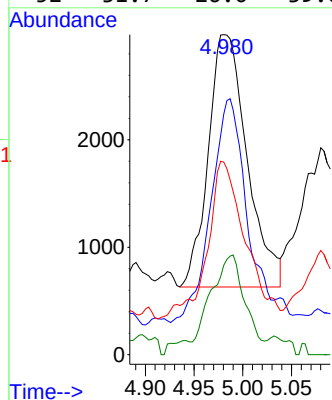
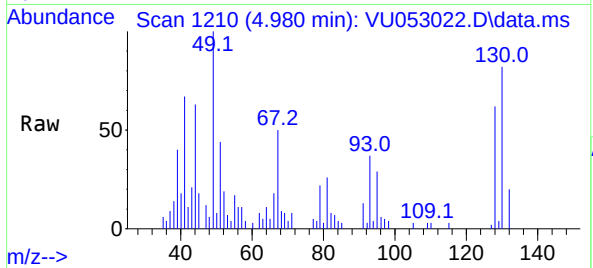


#39  
Methacrylonitrile  
Concen: 2.816 ug/l  
RT: 4.980 min Scan# 1131  
Delta R.T. 0.004 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0209WBSD01

Tgt Ion: 41 Resp: 6516

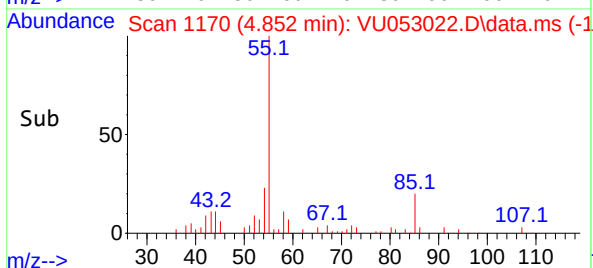
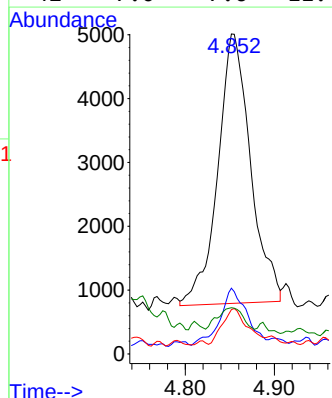
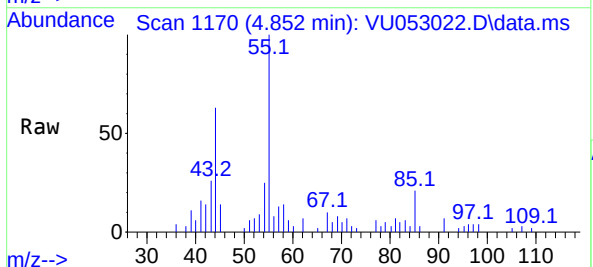
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 67  | 81.7  | 64.9  | 97.3  |
| 39  | 60.2  | 41.7  | 62.5  |
| 52  | 31.7  | 26.0  | 39.0  |

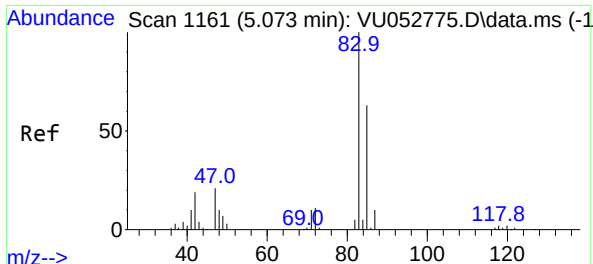


#40  
Methyl acrylate  
Concen: 2.631 ug/l  
RT: 4.852 min Scan# 1170  
Delta R.T. 0.001 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

Tgt Ion: 55 Resp: 10792

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 55  | 100   |       |       |
| 85  | 17.4  | 14.4  | 21.6  |
| 58  | 10.1  | 7.3   | 10.9  |
| 42  | 7.0   | 7.6   | 11.4  |





#41

Tetrahydrofuran

Concen: 4.636 ug/l

RT: 5.083 min Scan# 1161

Delta R.T. 0.010 min

Lab File: VU053022.D

Acq: 09 Feb 2023 17:21

Instrument :

MSVOA\_U

ClientSampleId :

VU0209WBSD01

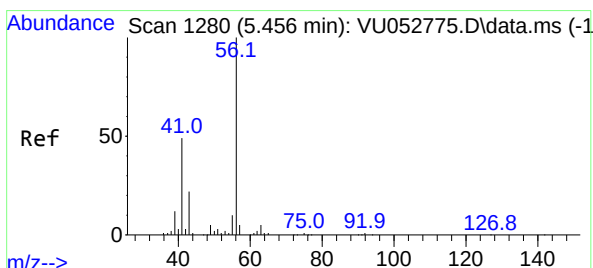
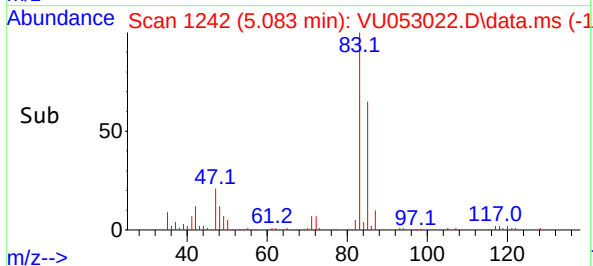
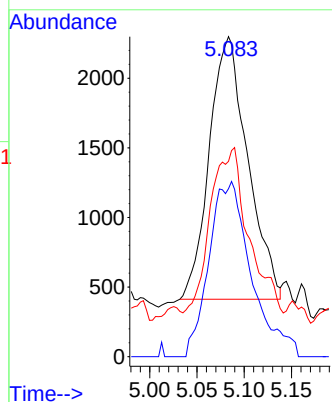
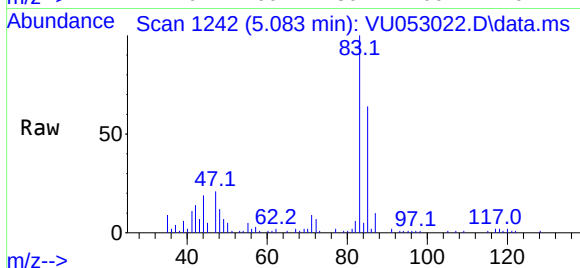
Tgt Ion: 42 Resp: 5337

Ion Ratio Lower Upper

42 100

72 72.9 49.1 73.7

71 64.3 43.8 65.6



#42

1-Chlorobutane

Concen: 2.072 ug/l

RT: 5.450 min Scan# 1356

Delta R.T. -0.006 min

Lab File: VU053022.D

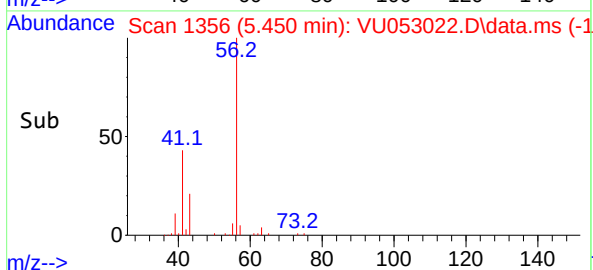
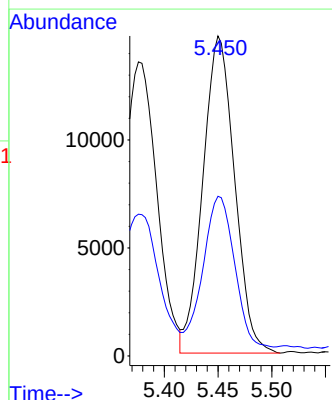
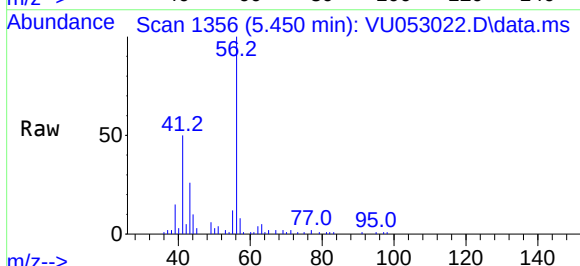
Acq: 09 Feb 2023 17:21

Tgt Ion: 56 Resp: 30081

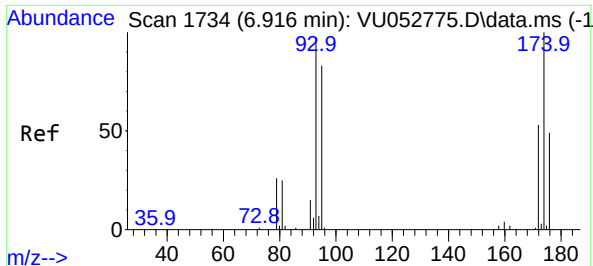
Ion Ratio Lower Upper

56 100

41 46.4 24.5 73.5







#43

Dibromomethane

Concen: 2.013 ug/l

RT: 6.919 min Scan# 1813

Delta R.T. 0.004 min

Lab File: VU053022.D

Acq: 09 Feb 2023 17:21

Instrument :

MSVOA\_U

ClientSampleId :

VU0209WBSD01

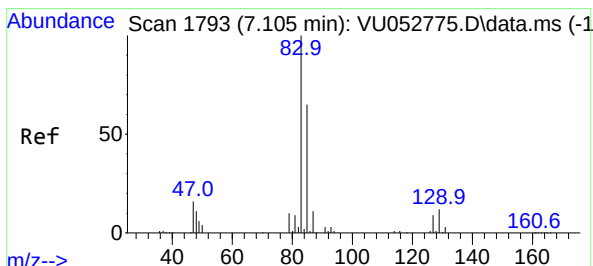
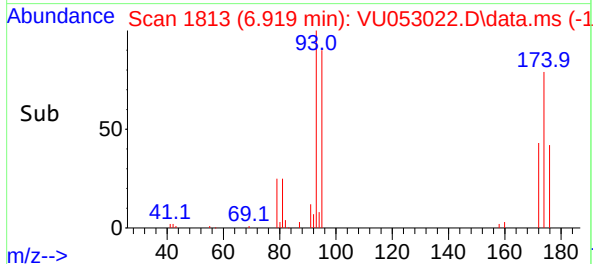
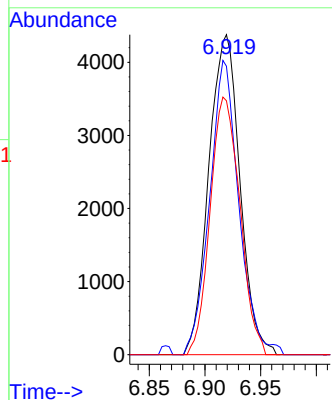
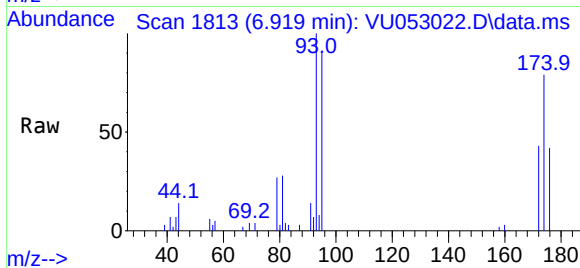
Tgt Ion: 93 Resp: 8520

Ion Ratio Lower Upper

93 100

95 86.5 67.0 100.6

174 76.9 82.2 123.4#



#44

Bromodichloromethane

Concen: 2.001 ug/l

RT: 7.103 min Scan# 1870

Delta R.T. -0.003 min

Lab File: VU053022.D

Acq: 09 Feb 2023 17:21

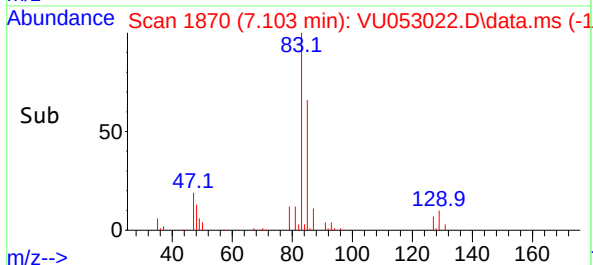
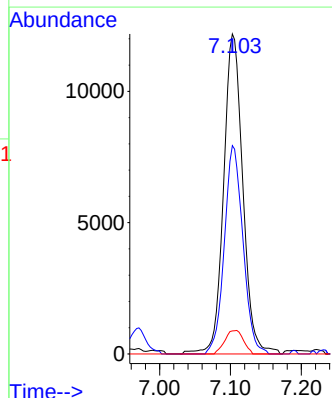
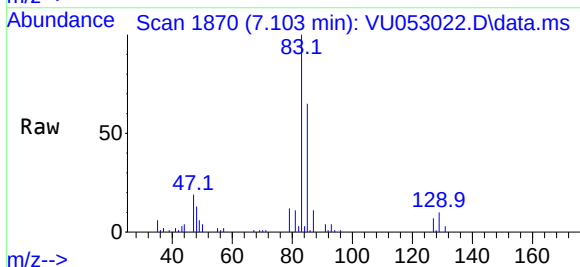
Tgt Ion: 83 Resp: 22966

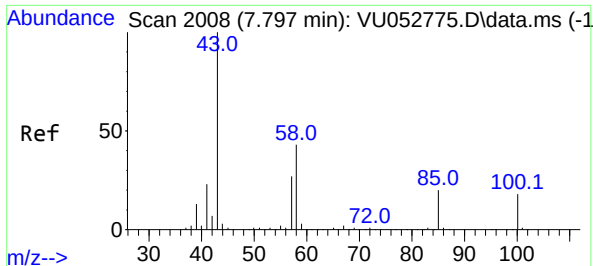
Ion Ratio Lower Upper

83 100

85 65.1 52.1 78.1

127 7.2 7.2 10.8#





#45

4-Methyl-2-Pentanone

Concen: 11.212 ug/l

RT: 7.800 min Scan# 20

Delta R.T. 0.004 min

Lab File: VU053022.D

Acq: 09 Feb 2023 17:21

Instrument :

MSVOA\_U

ClientSampleId :

VU0209WBSD01

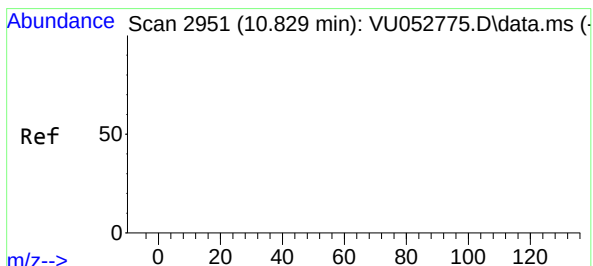
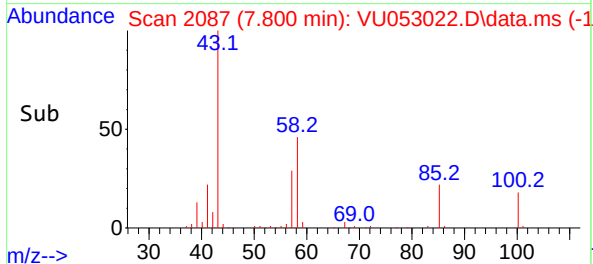
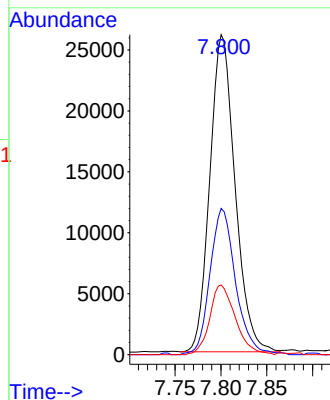
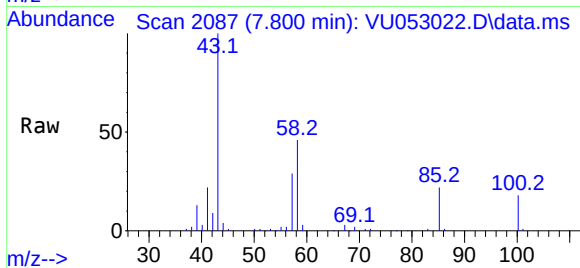
Tgt Ion: 43 Resp: 49861

Ion Ratio Lower Upper

43 100

58 46.8 21.7 65.1

85 22.3 16.2 24.4



#46

t-1,4-Dichloro-2-butene

Concen: 9.402 ug/l

RT: 10.832 min Scan# 3030

Delta R.T. 0.004 min

Lab File: VU053022.D

Acq: 09 Feb 2023 17:21

Tgt Ion: 75 Resp: 21922

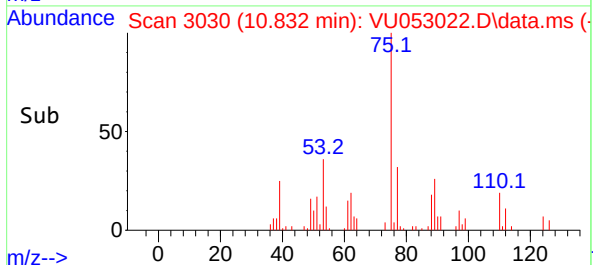
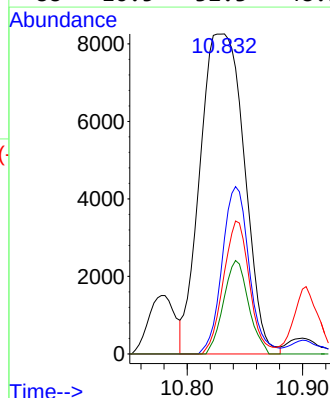
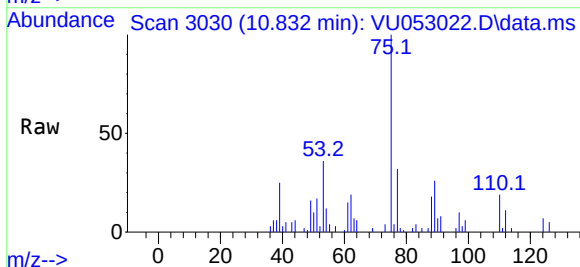
Ion Ratio Lower Upper

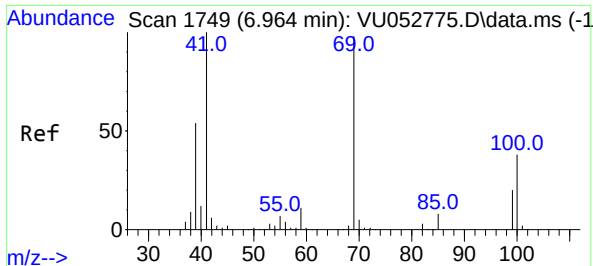
75 100

53 32.2 57.0 85.4#

89 24.7 41.1 61.7#

88 16.5 32.3 48.5#





#47

Methyl methacrylate

Concen: 4.587 ug/l

RT: 6.968 min Scan# 11

Delta R.T. 0.004 min

Lab File: VU053022.D

Acq: 09 Feb 2023 17:21

Instrument :

MSVOA\_U

ClientSampleId :

VU0209WBSD01

Tgt Ion: 69 Resp: 17255

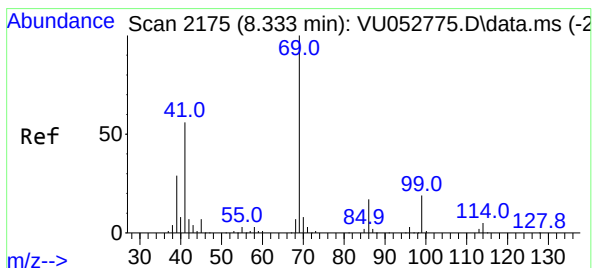
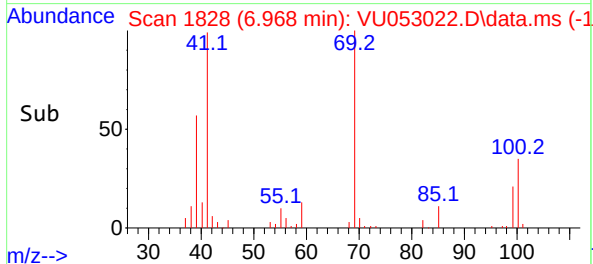
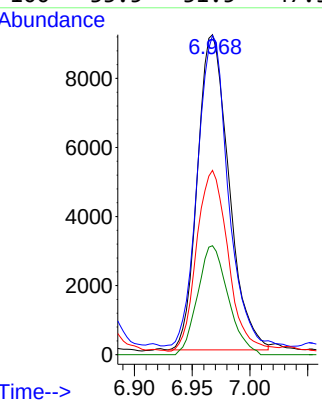
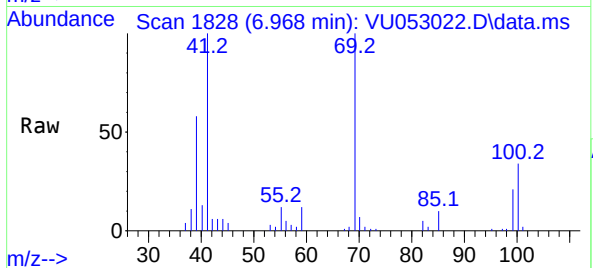
Ion Ratio Lower Upper

69 100

41 95.9 0.0 201.8

39 57.7 44.0 66.0

100 33.5 31.5 47.3



#48

Ethyl methacrylate

Concen: 2.535 ug/l

RT: 8.337 min Scan# 2254

Delta R.T. 0.004 min

Lab File: VU053022.D

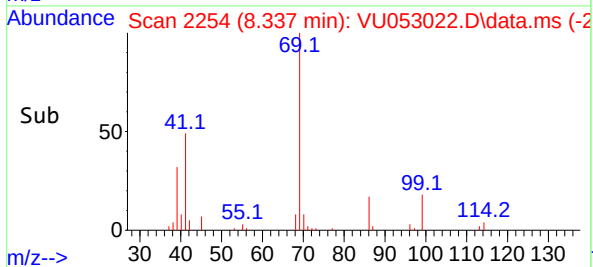
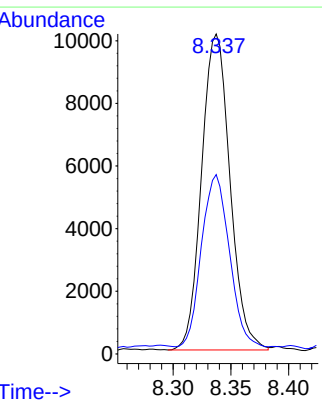
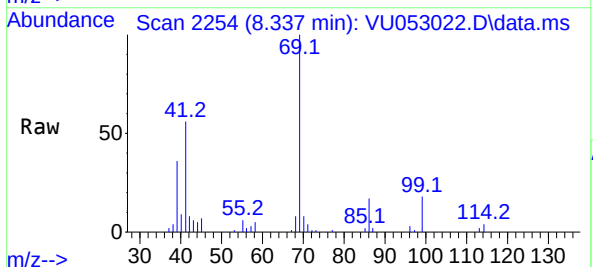
Acq: 09 Feb 2023 17:21

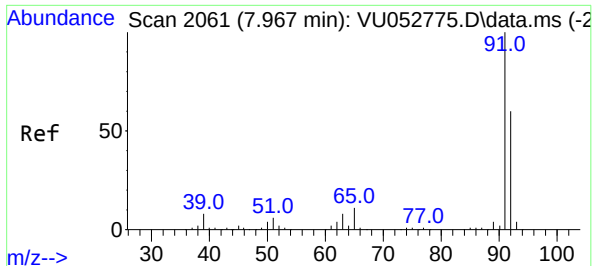
Tgt Ion: 69 Resp: 17285

Ion Ratio Lower Upper

69 100

41 53.2 28.1 84.4





#49

Toluene

Concen: 1.927 ug/l

RT: 7.967 min Scan# 2114

Delta R.T. 0.001 min

Lab File: VU053022.D

Acq: 09 Feb 2023 17:21

Instrument :

MSVOA\_U

ClientSampleId :

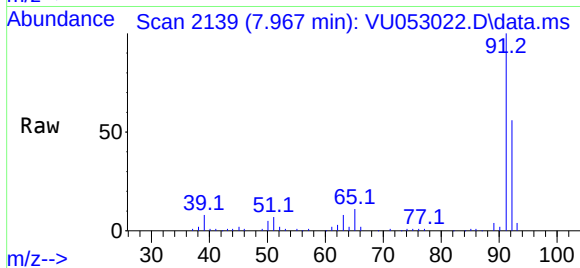
VU0209WBSD01

Tgt Ion: 92 Resp: 38562

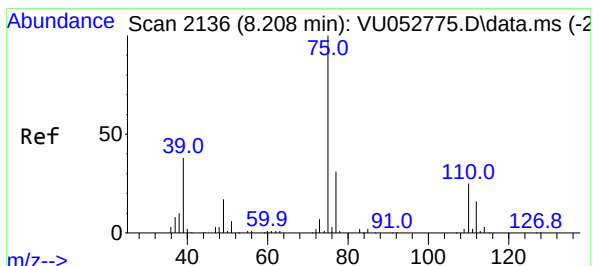
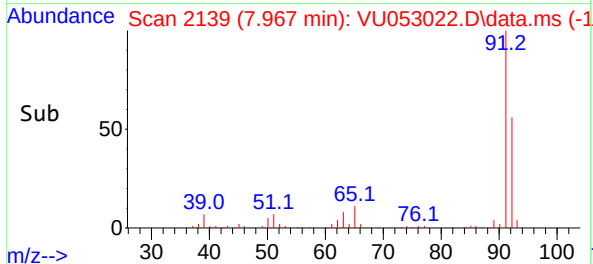
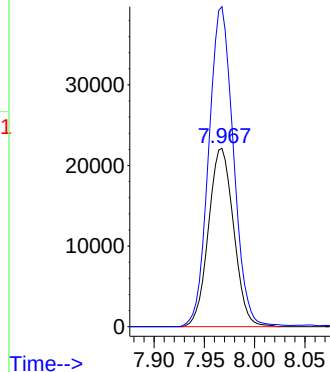
Ion Ratio Lower Upper

92 100

91 176.8 133.8 200.8



Abundance



#50

t-1,3-Dichloropropene

Concen: 2.269 ug/l

RT: 8.209 min Scan# 2214

Delta R.T. 0.001 min

Lab File: VU053022.D

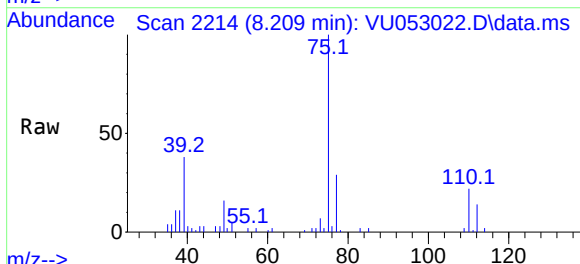
Acq: 09 Feb 2023 17:21

Tgt Ion: 75 Resp: 22720

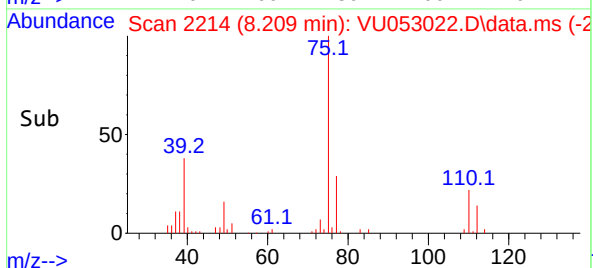
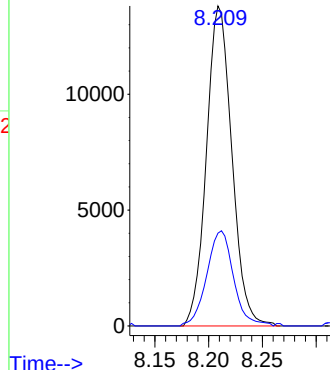
Ion Ratio Lower Upper

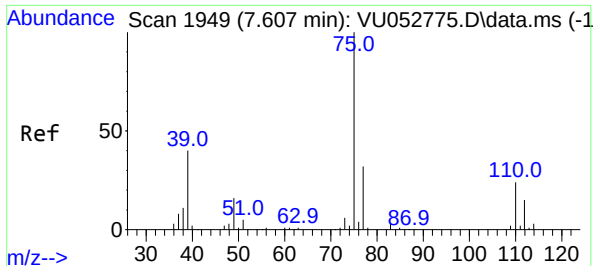
75 100

77 29.0 24.4 36.6



Abundance

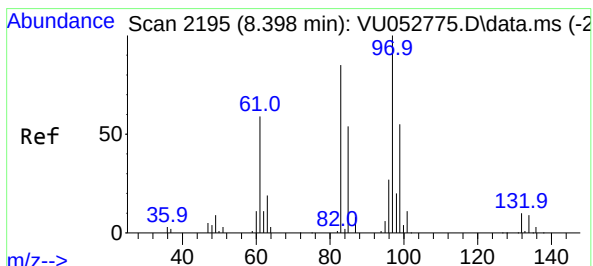
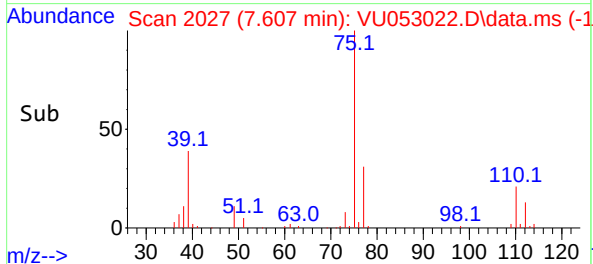
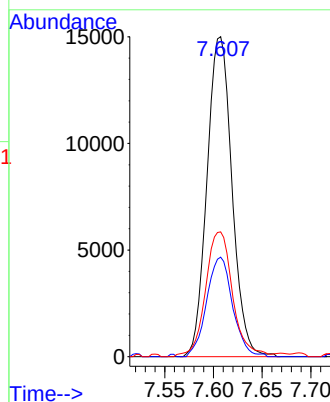
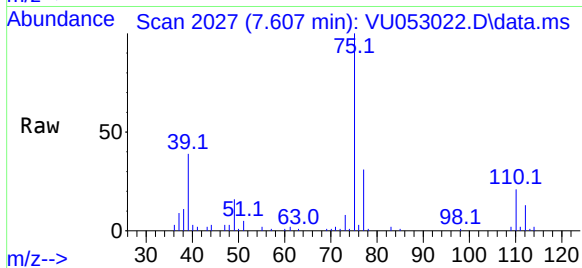




#51  
 cis-1,3-Dichloropropene  
 Concen: 2.275 ug/l  
 RT: 7.607 min Scan# 20  
 Delta R.T. 0.001 min  
 Lab File: VU053022.D  
 Acq: 09 Feb 2023 17:21

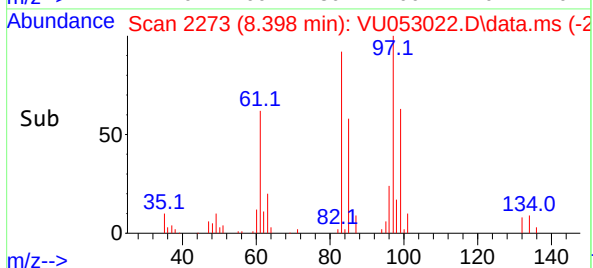
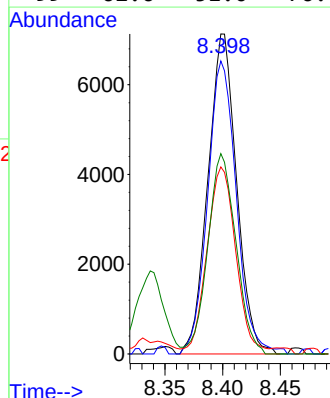
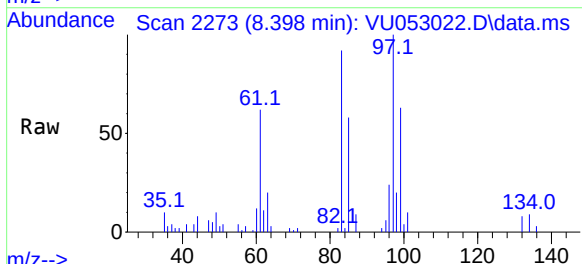
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0209WBSD01

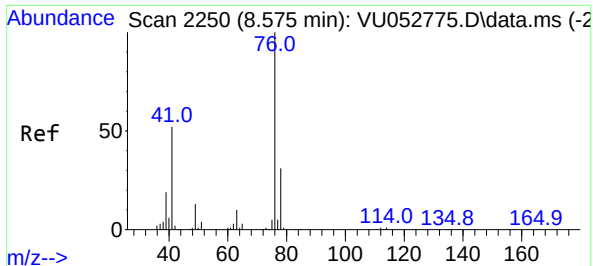
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 26801 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 31.1  | 25.5  | 38.3  |
| 39       | 38.1  | 32.3  | 48.5  |



#52  
 1,1,2-Trichloroethane  
 Concen: 2.048 ug/l  
 RT: 8.398 min Scan# 2273  
 Delta R.T. 0.001 min  
 Lab File: VU053022.D  
 Acq: 09 Feb 2023 17:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 12324 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 91.6  | 68.2  | 102.2 |
| 85       | 56.9  | 44.5  | 66.7  |
| 99       | 62.6  | 51.0  | 76.4  |

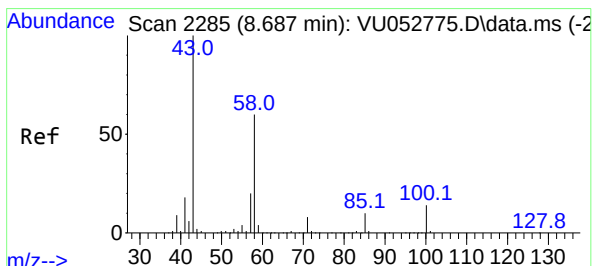
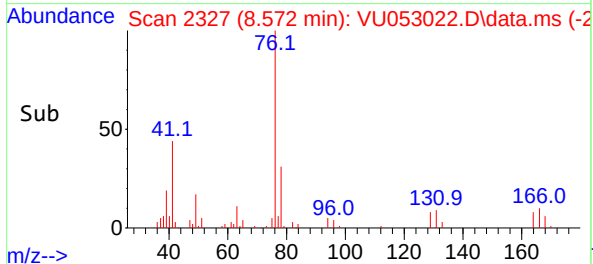
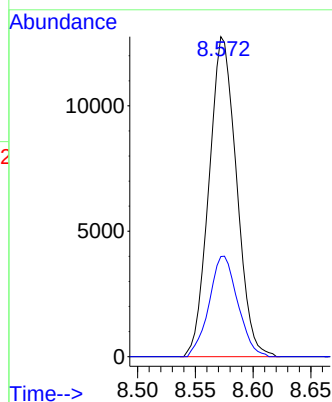
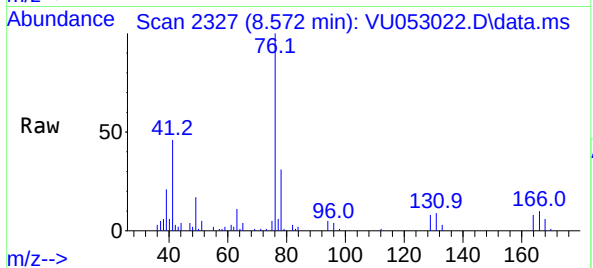




#53  
1,3-Dichloropropane  
Concen: 2.031 ug/l  
RT: 8.572 min Scan# 21127  
Delta R.T. -0.003 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

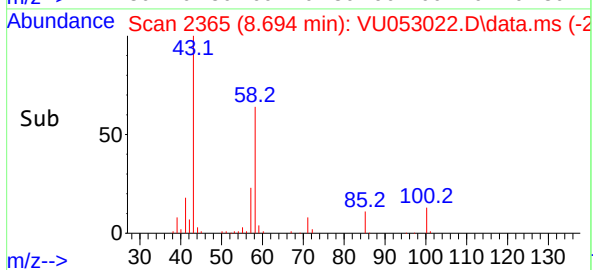
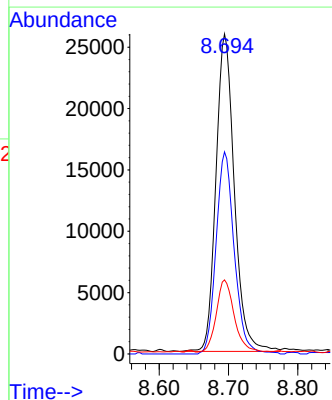
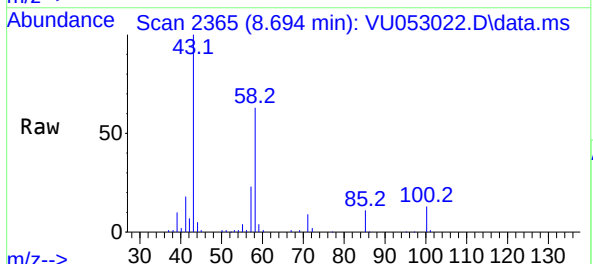
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0209WBSD01

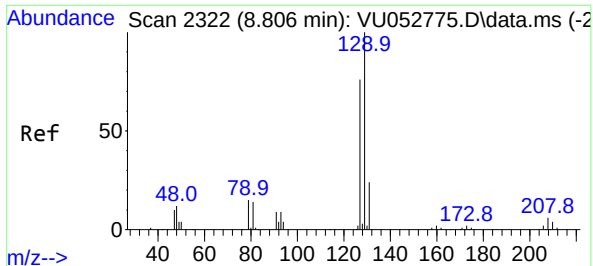
Tgt Ion: 76 Resp: 21127  
Ion Ratio Lower Upper  
76 100  
78 32.7 25.2 37.8



#54  
2-Hexanone  
Concen: 12.265 ug/l  
RT: 8.694 min Scan# 2365  
Delta R.T. 0.007 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

Tgt Ion: 43 Resp: 47715  
Ion Ratio Lower Upper  
43 100  
58 62.9 40.0 80.0  
57 22.2 0.6 40.6

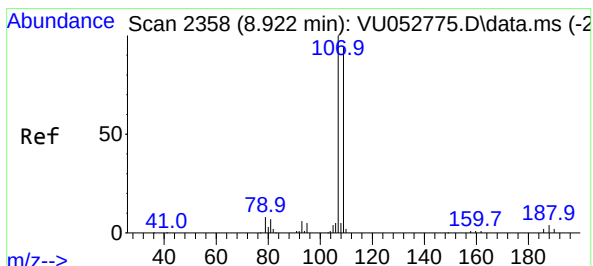
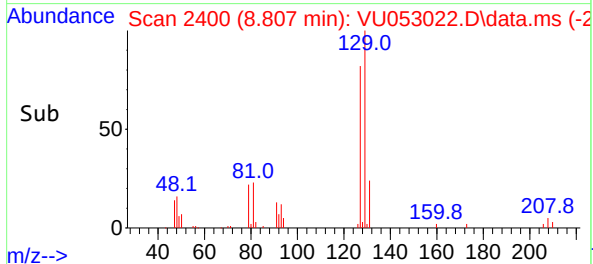
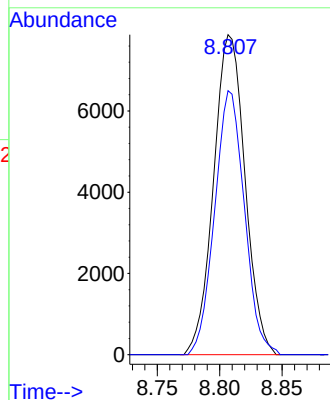
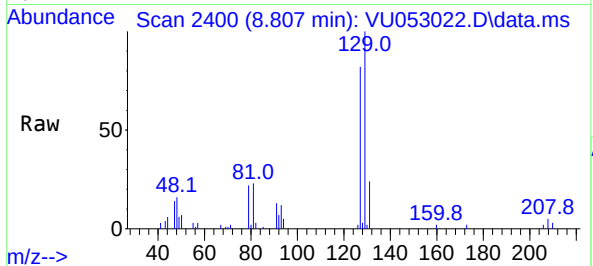




#55  
Dibromochloromethane  
Concen: 1.762 ug/l  
RT: 8.807 min Scan# 2436  
Delta R.T. 0.001 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

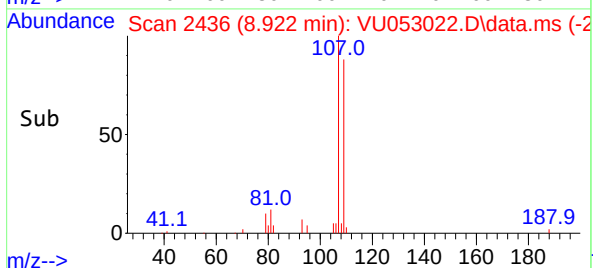
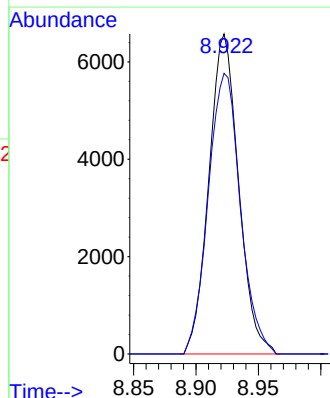
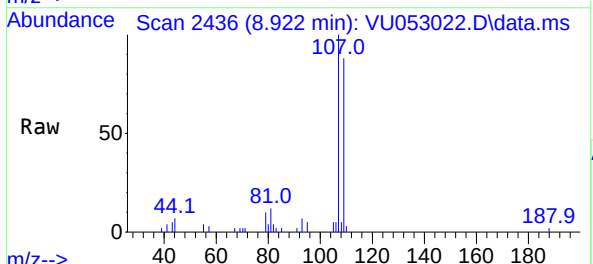
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0209WBSD01

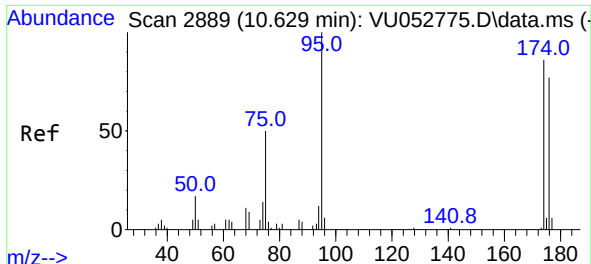
Tgt Ion:129 Resp: 13867  
Ion Ratio Lower Upper  
129 100  
127 78.0 61.5 92.3



#56  
1,2-Dibromoethane  
Concen: 1.903 ug/l  
RT: 8.922 min Scan# 2436  
Delta R.T. 0.001 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

Tgt Ion:107 Resp: 10902  
Ion Ratio Lower Upper  
107 100  
109 94.7 0.0 190.4

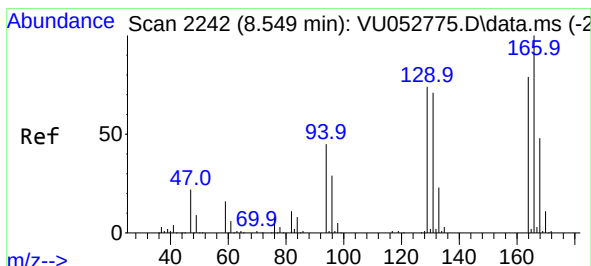
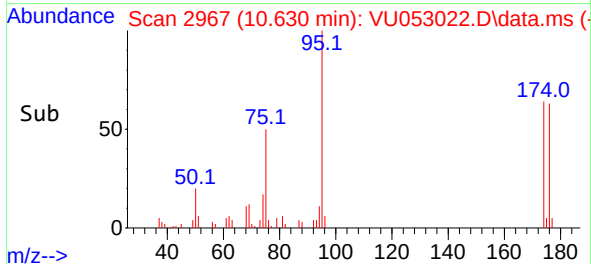
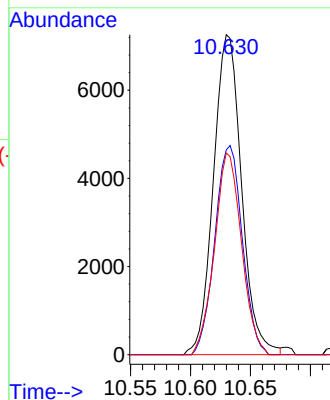
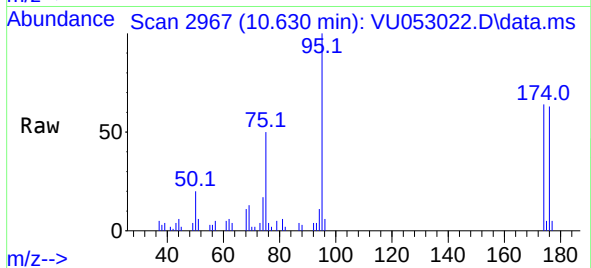




#57  
4-Bromofluorobenzene  
Concen: 1.144 ug/l  
RT: 10.630 min Scan# 2967  
Delta R.T. 0.001 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

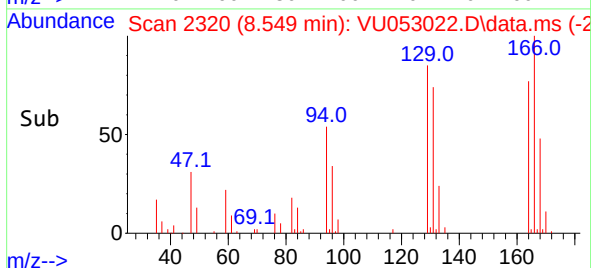
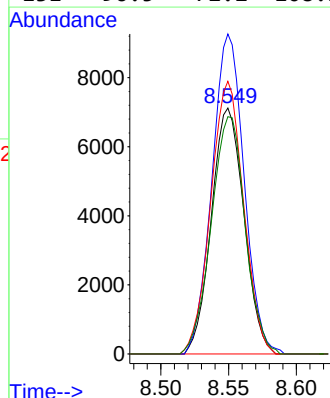
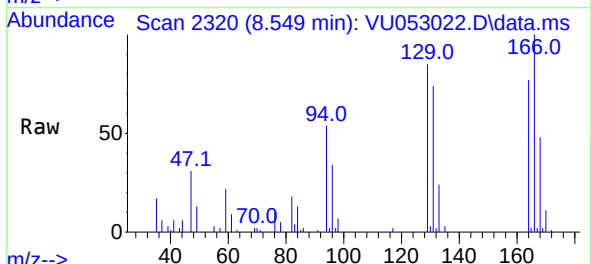
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0209WBSD01

Tgt Ion: 95 Resp: 11817  
Ion Ratio Lower Upper  
95 100  
174 64.0 66.9 100.3#  
176 60.6 61.9 92.9#

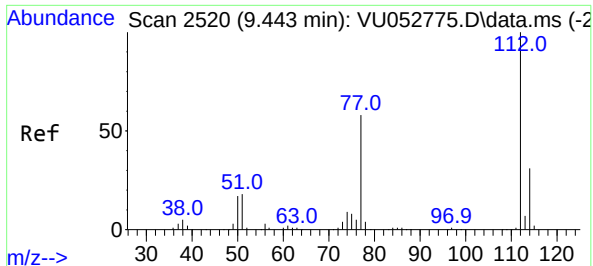


#58  
Tetrachloroethene  
Concen: 1.470 ug/l  
RT: 8.549 min Scan# 2320  
Delta R.T. 0.001 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

Tgt Ion: 164 Resp: 11916  
Ion Ratio Lower Upper  
164 100  
166 130.1 101.5 152.3  
129 110.9 75.2 112.8  
131 96.5 72.2 108.2



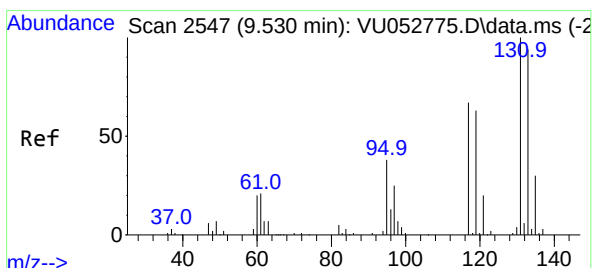
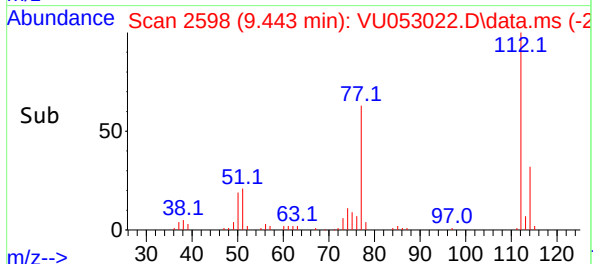
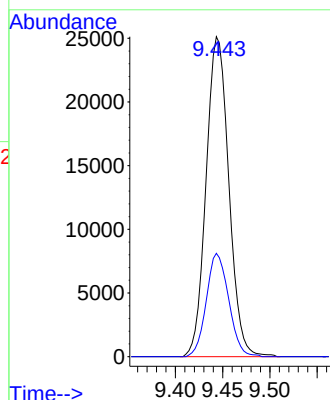
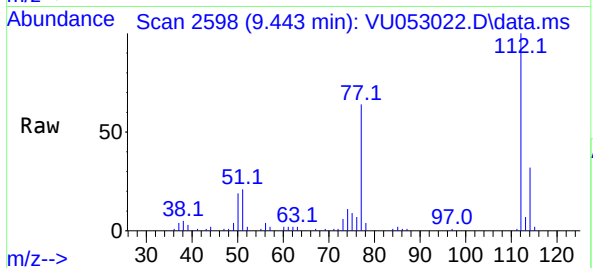




#59  
Chlorobenzene  
Concen: 1.930 ug/l  
RT: 9.443 min Scan# 21  
Delta R.T. 0.001 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

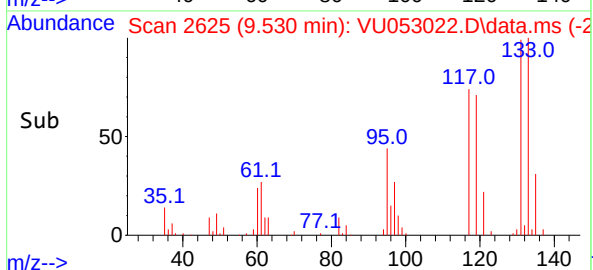
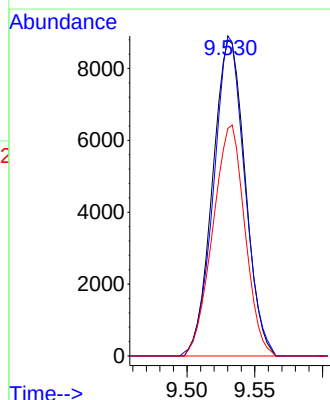
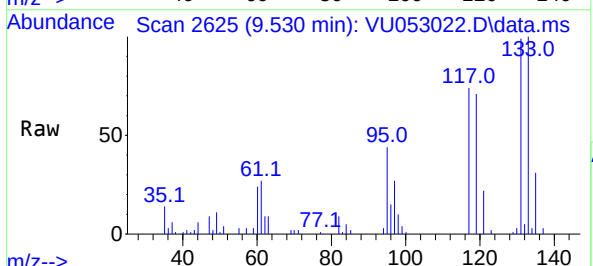
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0209WBSD01

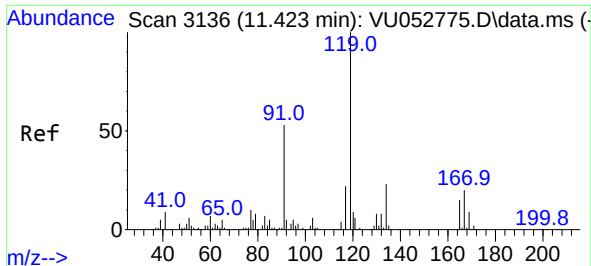
Tgt Ion:112 Resp: 42022  
Ion Ratio Lower Upper  
112 100  
114 32.3 25.2 37.8



#60  
1,1,1,2-Tetrachloroethane  
Concen: 1.740 ug/l  
RT: 9.530 min Scan# 2625  
Delta R.T. 0.001 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

Tgt Ion:131 Resp: 14661  
Ion Ratio Lower Upper  
131 100  
133 96.9 77.2 115.8  
119 72.2 50.8 76.2

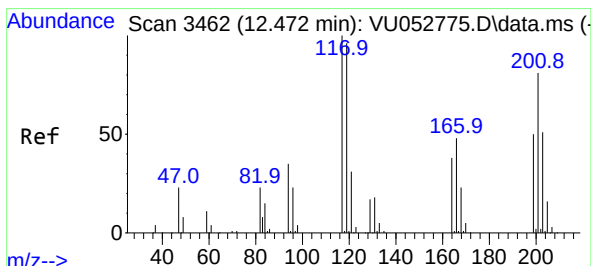
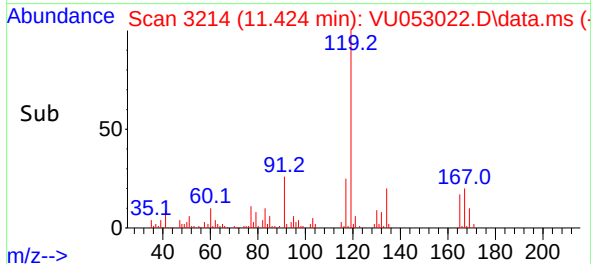
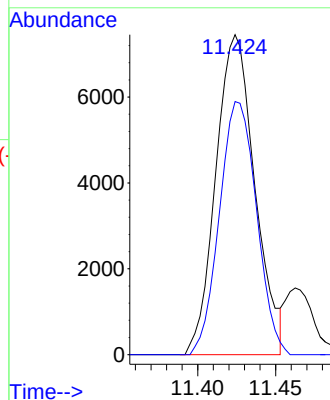
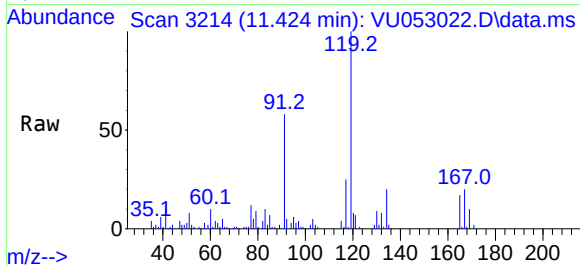




#61  
 Pentachloroethane  
 Concen: 1.884 ug/l  
 RT: 11.424 min Scan# 3136  
 Delta R.T. 0.001 min  
 Lab File: VU053022.D  
 Acq: 09 Feb 2023 17:21

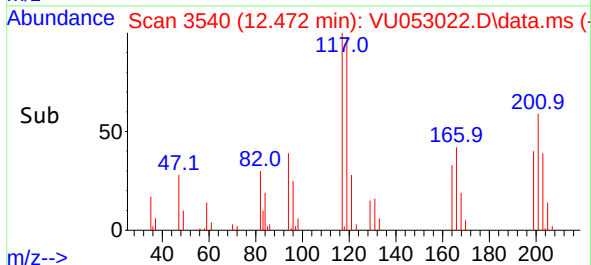
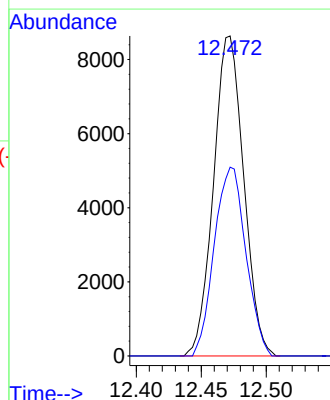
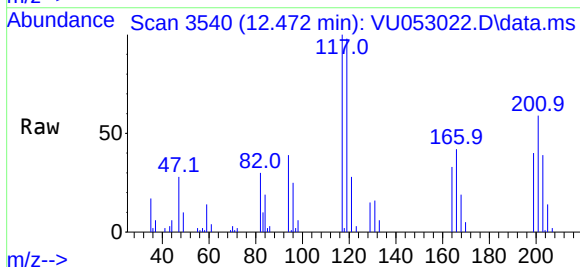
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0209WBSD01

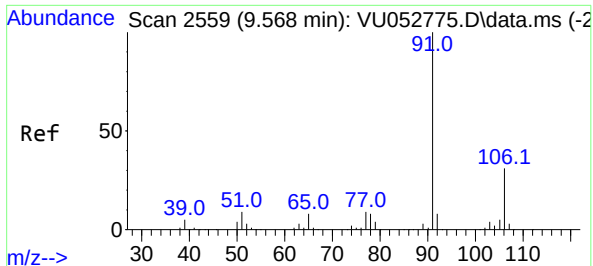
Tgt Ion:117 Resp: 13007  
 Ion Ratio Lower Upper  
 117 100  
 167 75.1 66.8 100.2



#62  
 Hexachloroethane  
 Concen: 2.003 ug/l  
 RT: 12.472 min Scan# 3540  
 Delta R.T. 0.001 min  
 Lab File: VU053022.D  
 Acq: 09 Feb 2023 17:21

Tgt Ion:117 Resp: 13971  
 Ion Ratio Lower Upper  
 117 100  
 201 61.5 64.6 97.0#





#63

Ethyl Benzene

Concen: 2.209 ug/l

RT: 9.569 min Scan# 2

Delta R.T. 0.001 min

Lab File: VU053022.D

Acq: 09 Feb 2023 17:21

Instrument :

MSVOA\_U

ClientSampleId :

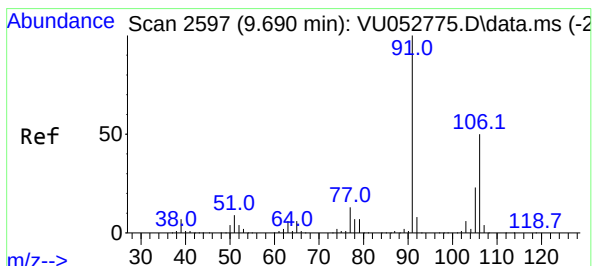
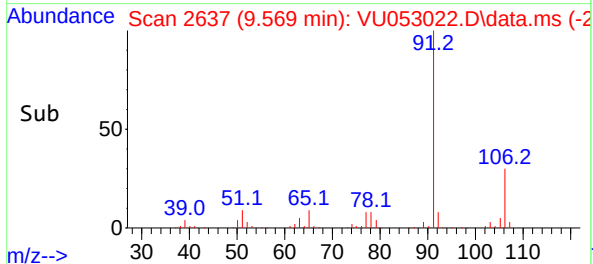
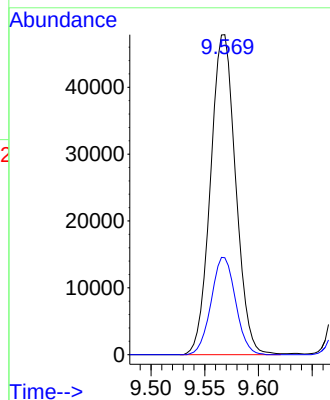
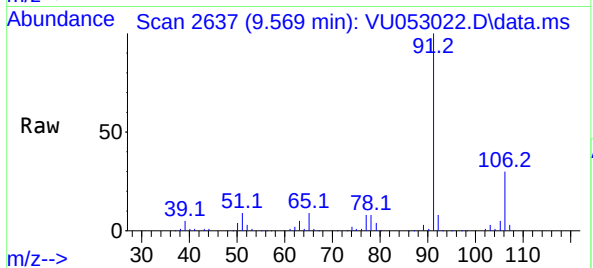
VU0209WBSD01

Tgt Ion: 91 Resp: 77916

Ion Ratio Lower Upper

91 100

106 30.3 25.1 37.7



#64

m/p-Xylenes

Concen: 4.088 ug/l

RT: 9.691 min Scan# 2675

Delta R.T. 0.001 min

Lab File: VU053022.D

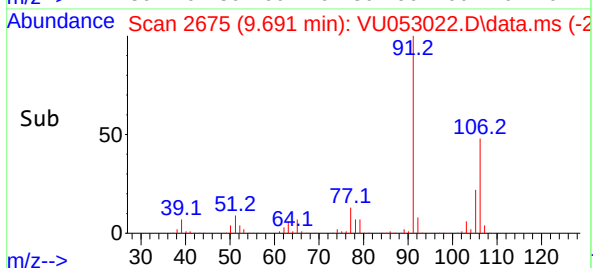
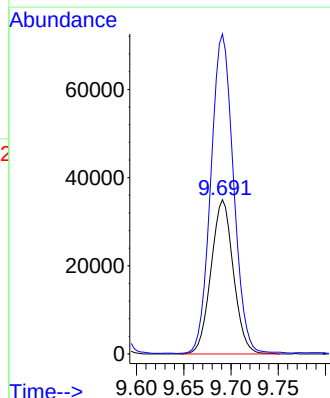
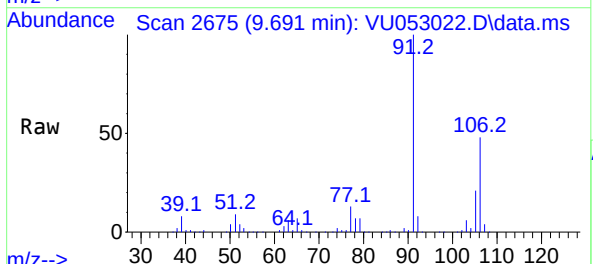
Acq: 09 Feb 2023 17:21

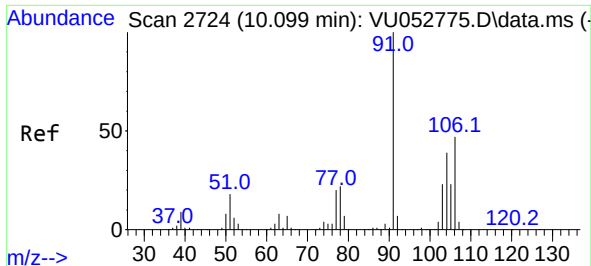
Tgt Ion: 106 Resp: 57485

Ion Ratio Lower Upper

106 100

91 210.0 158.7 238.1

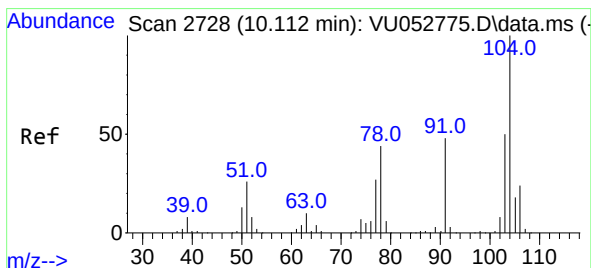
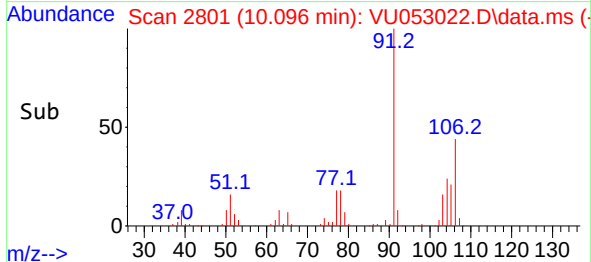
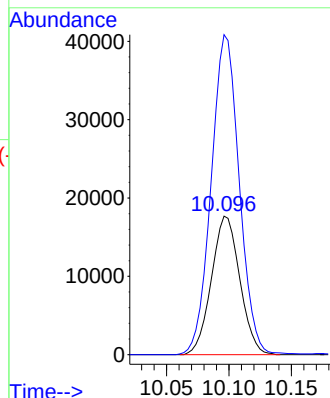
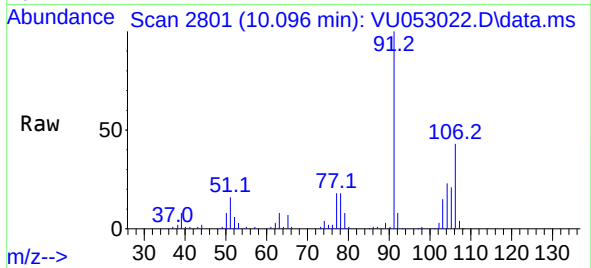




#65  
o-Xylene  
Concen: 2.064 ug/l  
RT: 10.096 min Scan# 2805  
Delta R.T. -0.003 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

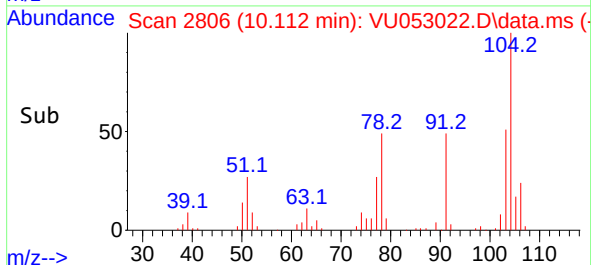
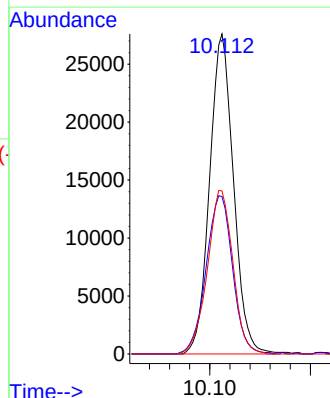
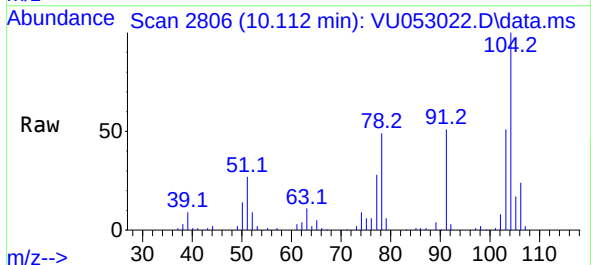
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0209WBSD01

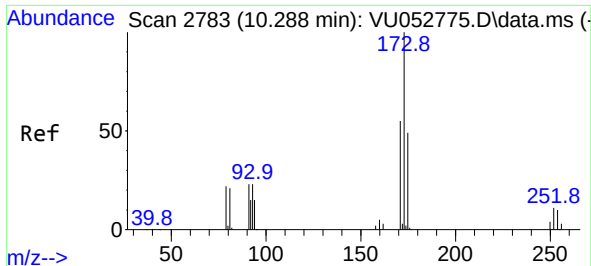
Tgt Ion:106 Resp: 28005  
Ion Ratio Lower Upper  
106 100  
91 229.0 105.6 316.8



#66  
Styrene  
Concen: 2.089 ug/l  
RT: 10.112 min Scan# 2806  
Delta R.T. 0.000 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

Tgt Ion:104 Resp: 45565  
Ion Ratio Lower Upper  
104 100  
78 54.8 39.6 59.4  
103 54.4 42.9 64.3

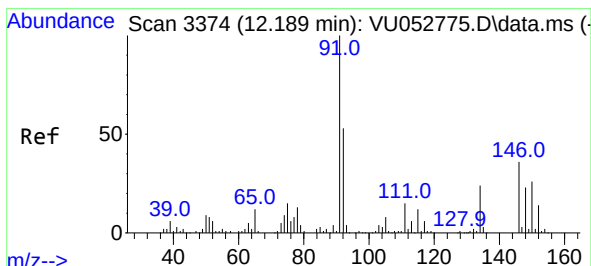
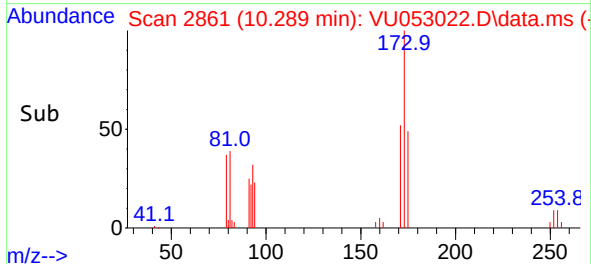
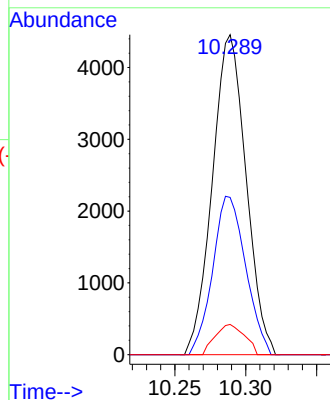
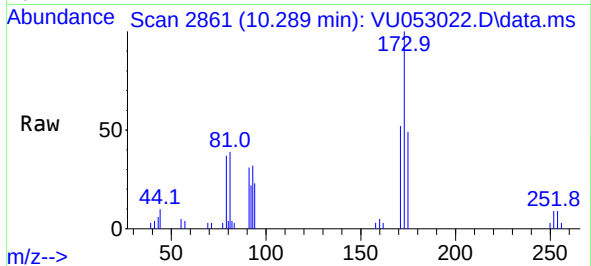




#67  
Bromoform  
Concen: 1.585 ug/l  
RT: 10.289 min Scan# 21  
Delta R.T. 0.001 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

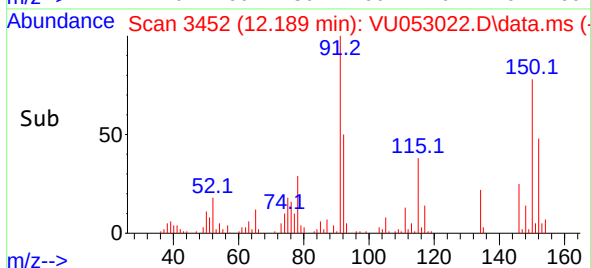
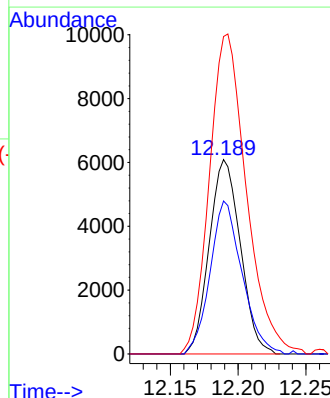
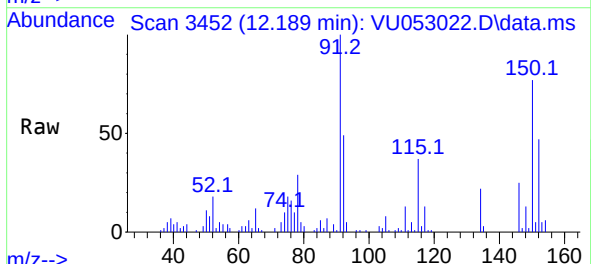
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0209WBSD01

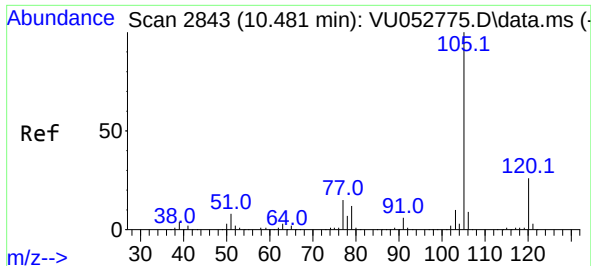
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 7364  |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 48.4  | 39.5  | 59.3  |
| 254      | 8.2   | 8.0   | 12.0  |



#68  
1,2-Dichlorobenzene-d4  
Concen: 0.915 ug/l  
RT: 12.189 min Scan# 3452  
Delta R.T. 0.001 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 9715  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 80.7  | 0.0   | 262.6 |
| 150      | 195.5 | 0.0   | 638.0 |

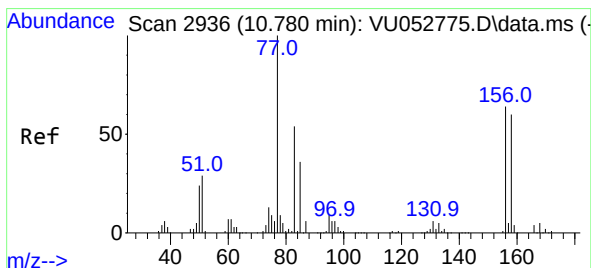
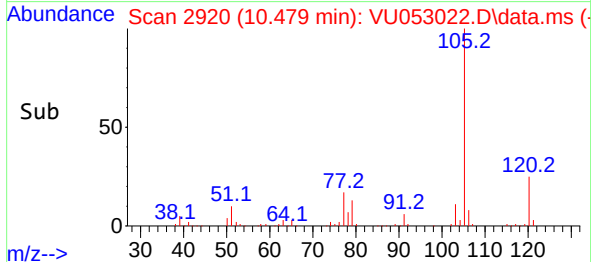
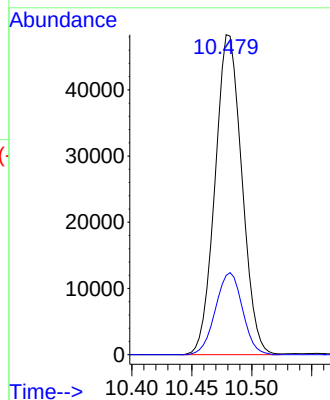
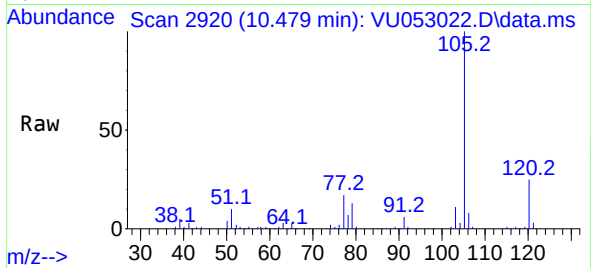




#69  
Isopropylbenzene  
Concen: 2.177 ug/l  
RT: 10.479 min Scan# 2920  
Delta R.T. -0.002 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

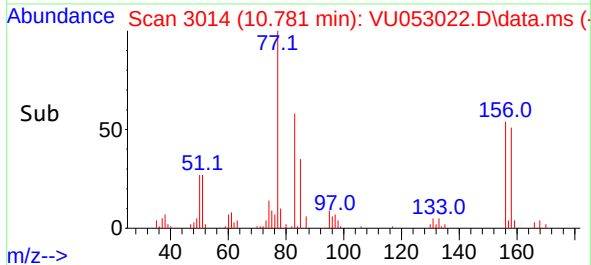
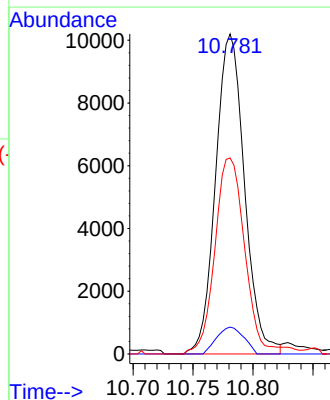
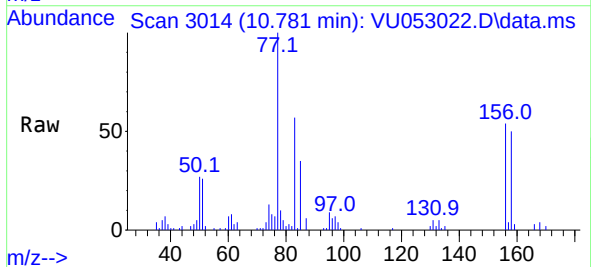
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0209WBSD01

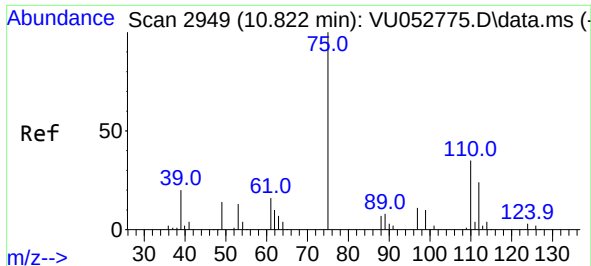
Tgt Ion:105 Resp: 75158  
Ion Ratio Lower Upper  
105 100  
120 25.7 13.3 39.9



#70  
1,1,2,2-Tetrachloroethane  
Concen: 2.278 ug/l  
RT: 10.781 min Scan# 3014  
Delta R.T. 0.001 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

Tgt Ion: 83 Resp: 17086  
Ion Ratio Lower Upper  
83 100  
131 7.9 8.6 13.0#  
85 63.8 52.6 78.8

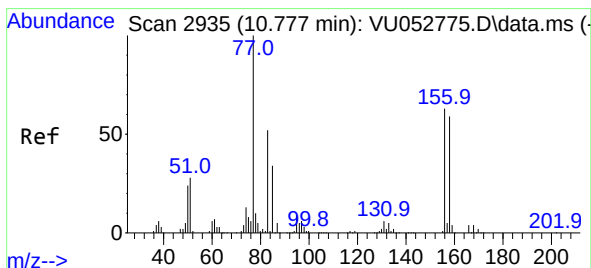
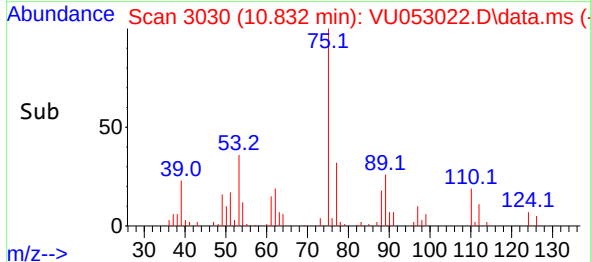
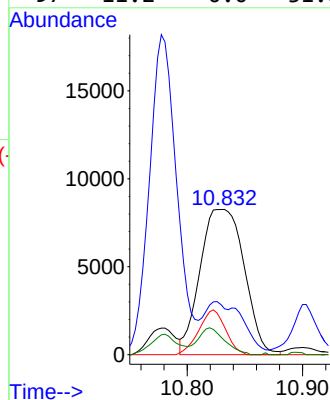
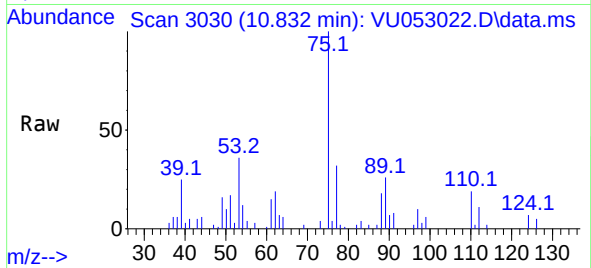




#71  
1,2,3-Trichloropropane  
Concen: 3.376 ug/l  
RT: 10.832 min Scan# 3013  
Delta R.T. 0.010 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

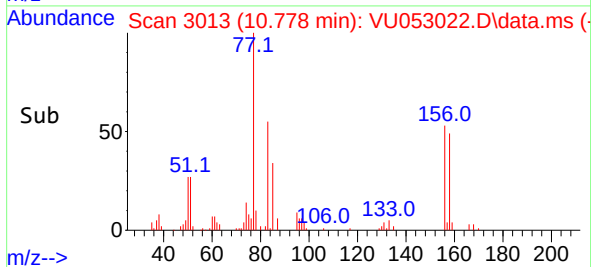
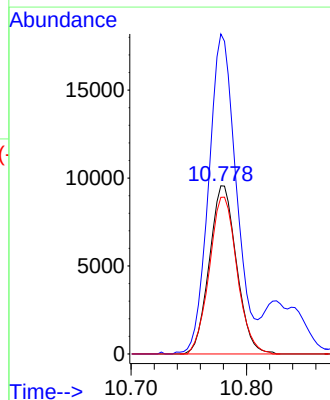
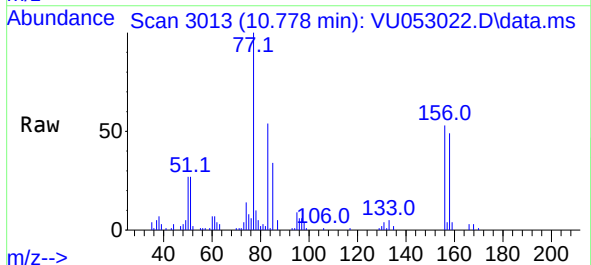
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0209WBSD01

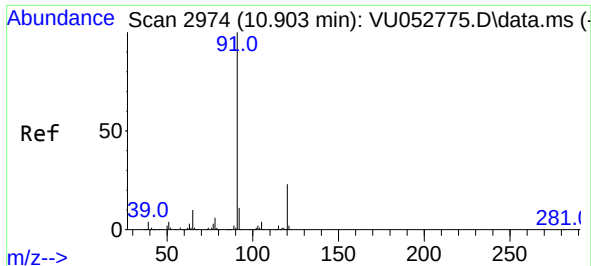
|             |             |
|-------------|-------------|
| Tgt Ion: 75 | Resp: 21922 |
| Ion Ratio   | Lower Upper |
| 75 100      |             |
| 77 5.3      | 0.0 86.0    |
| 110 18.6    | 0.0 63.8    |
| 97 11.2     | 0.0 31.8    |



#72  
Bromobenzene  
Concen: 1.784 ug/l  
RT: 10.778 min Scan# 3013  
Delta R.T. 0.001 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:156 | Resp: | 15643 |       |
| Ion         | Ratio | Lower | Upper |
| 156         | 100   |       |       |
| 77          | 193.7 | 0.0   | 321.2 |
| 158         | 94.8  | 0.0   | 192.0 |

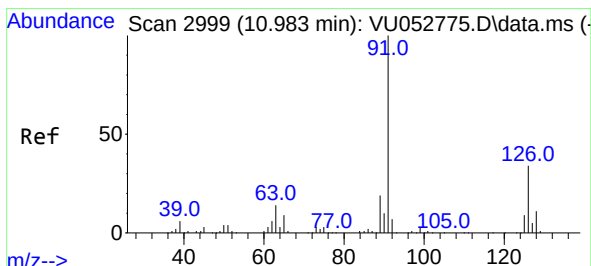
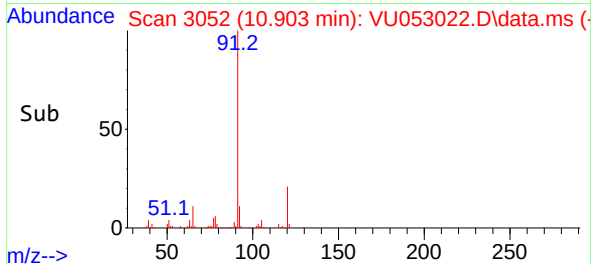
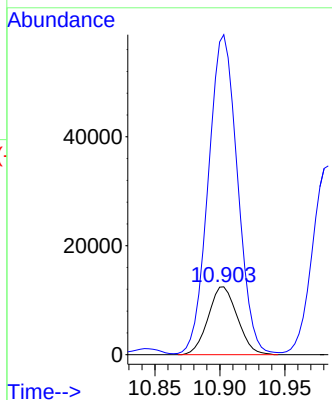
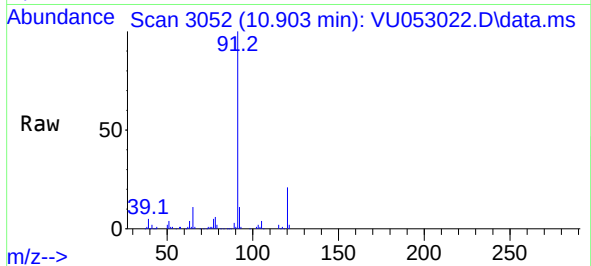




#73  
n-propylbenzene  
Concen: 2.036 ug/l  
RT: 10.903 min Scan# 3077  
Delta R.T. 0.000 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

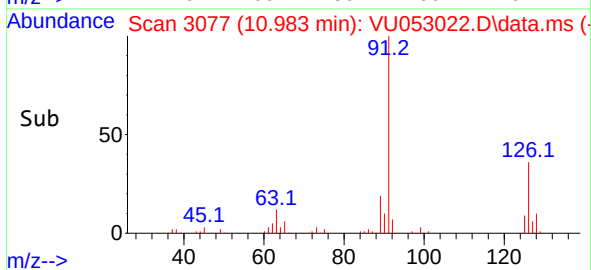
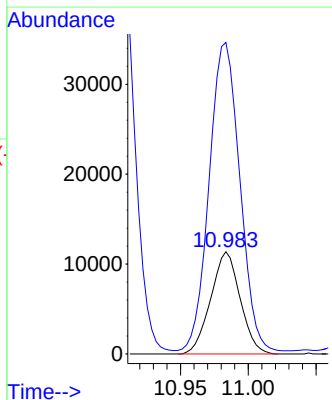
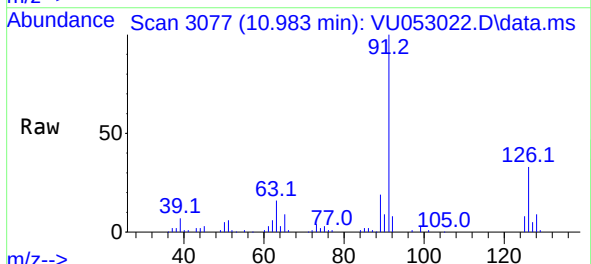
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0209WBSD01

Tgt Ion:120 Resp: 19447  
Ion Ratio Lower Upper  
120 100  
91 469.5 348.0 522.0

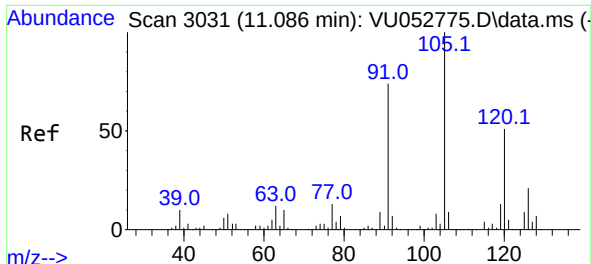


#74  
2-Chlorotoluene  
Concen: 1.966 ug/l  
RT: 10.983 min Scan# 3077  
Delta R.T. 0.000 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

Tgt Ion:126 Resp: 17147  
Ion Ratio Lower Upper  
126 100  
91 314.7 0.0 588.6



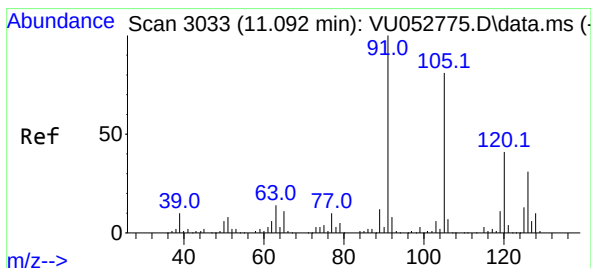
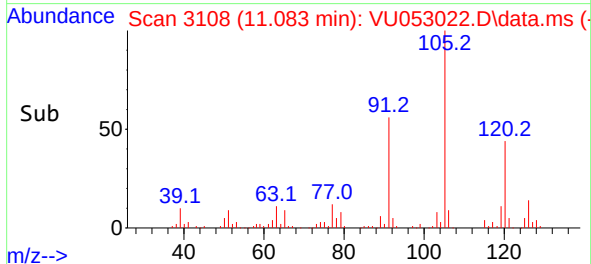
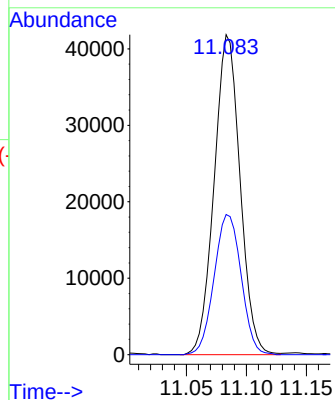
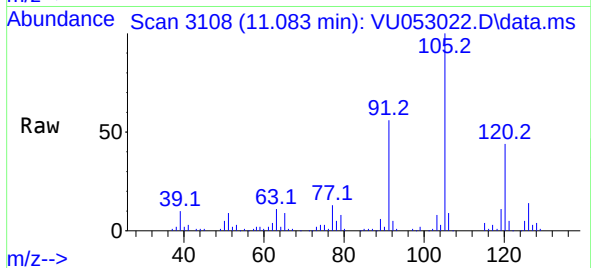




#75  
1,3,5-Trimethylbenzene  
Concen: 2.117 ug/l  
RT: 11.083 min Scan# 3112  
Delta R.T. -0.003 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

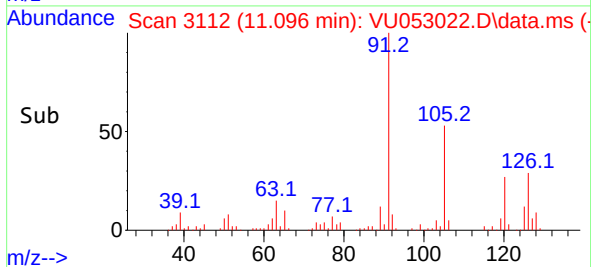
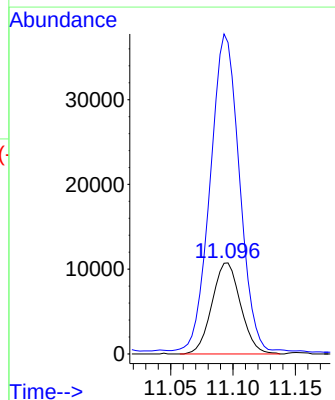
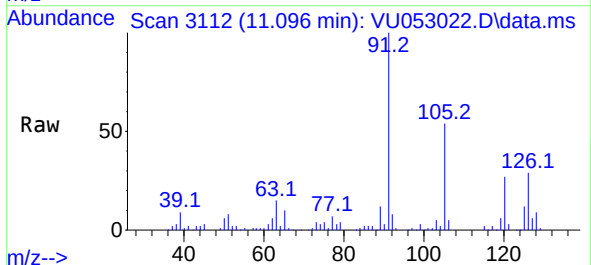
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0209WBSD01

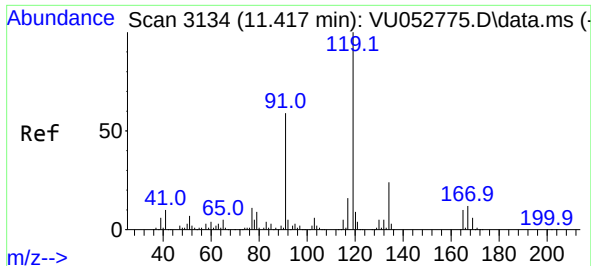
Tgt Ion:105 Resp: 62827  
Ion Ratio Lower Upper  
105 100  
120 45.6 39.9 59.9



#76  
4-Chlorotoluene  
Concen: 1.917 ug/l  
RT: 11.096 min Scan# 3112  
Delta R.T. 0.004 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

Tgt Ion:126 Resp: 17158  
Ion Ratio Lower Upper  
126 100  
91 353.0 0.0 661.8

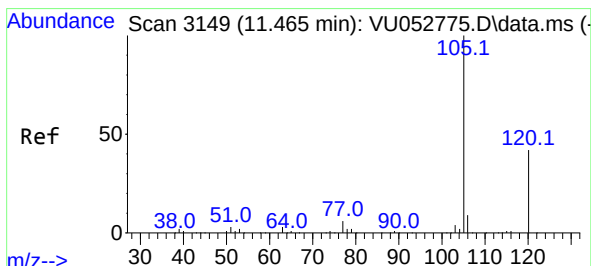
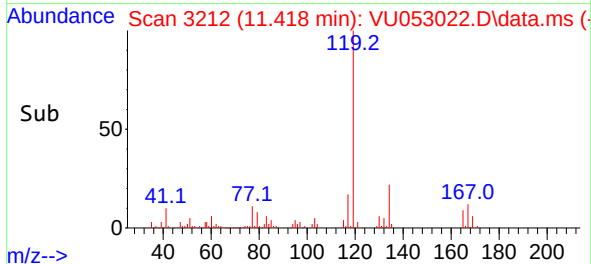
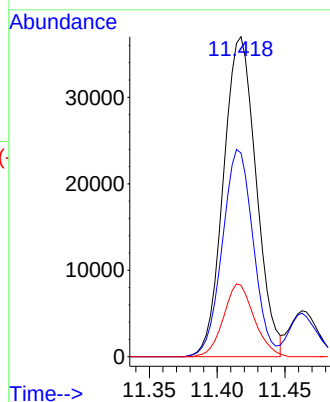
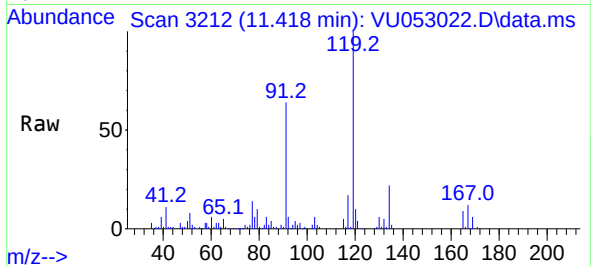




#77  
tert-Butylbenzene  
Concen: 2.072 ug/l  
RT: 11.418 min Scan# 3134  
Delta R.T. 0.001 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

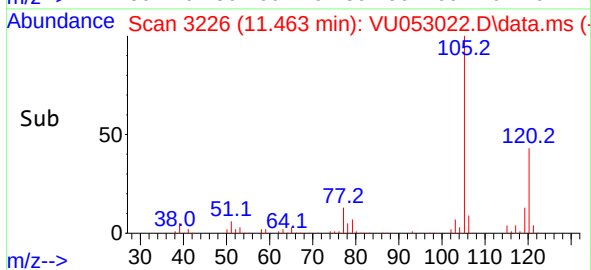
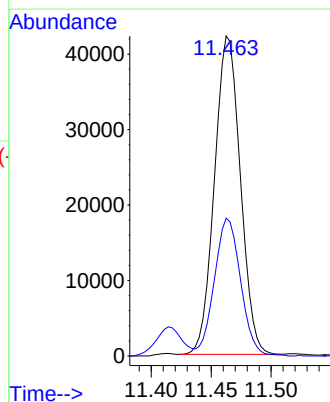
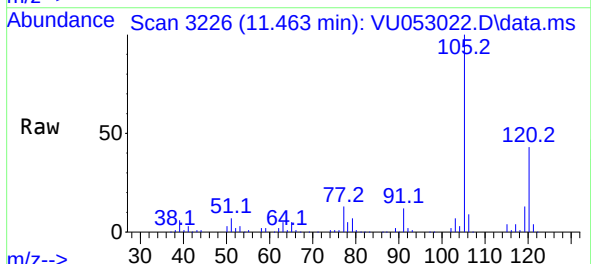
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0209WBSD01

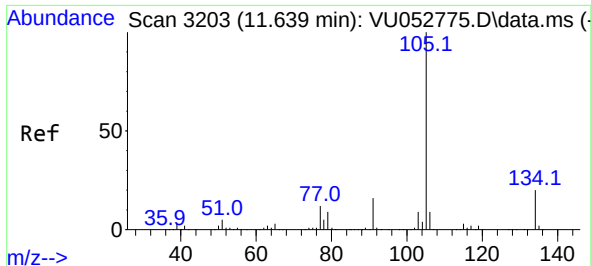
Tgt Ion:119 Resp: 62206  
Ion Ratio Lower Upper  
119 100  
91 61.0 28.4 85.3  
134 21.3 18.6 27.8



#78  
1,2,4-Trimethylbenzene  
Concen: 2.120 ug/l  
RT: 11.463 min Scan# 3226  
Delta R.T. -0.002 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

Tgt Ion:105 Resp: 63326  
Ion Ratio Lower Upper  
105 100  
120 43.7 23.4 70.3

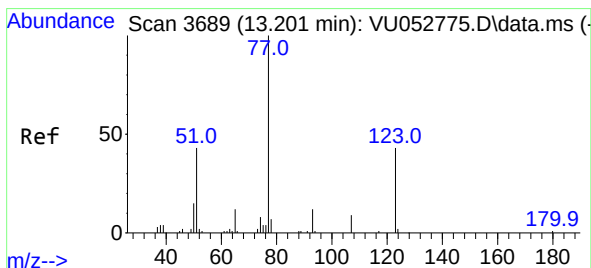
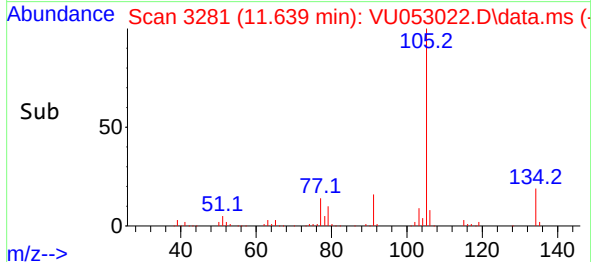
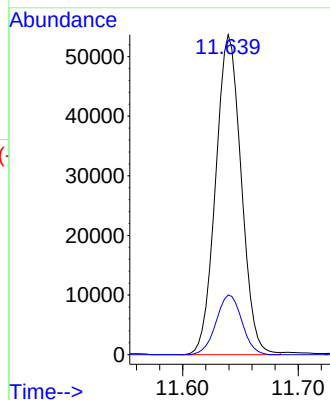
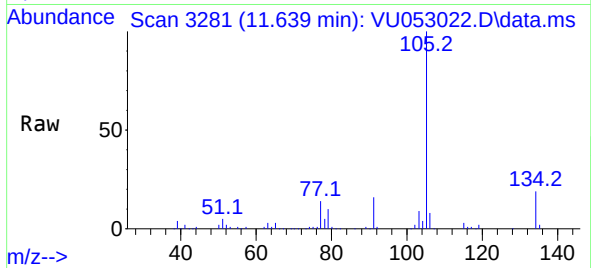




#79  
 sec-Butylbenzene  
 Concen: 2.124 ug/l  
 RT: 11.639 min Scan# 31  
 Delta R.T. 0.000 min  
 Lab File: VU053022.D  
 Acq: 09 Feb 2023 17:21

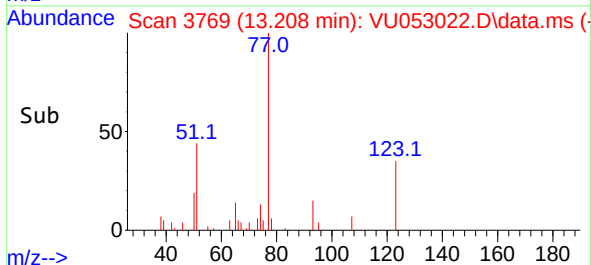
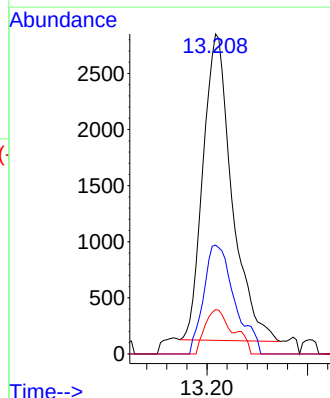
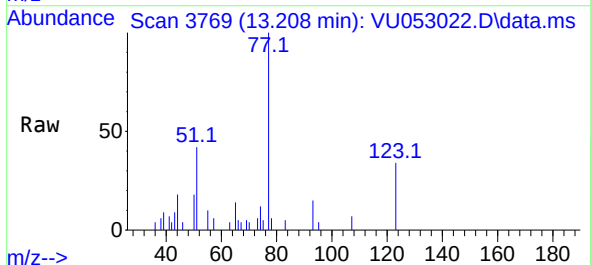
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0209WBSD01

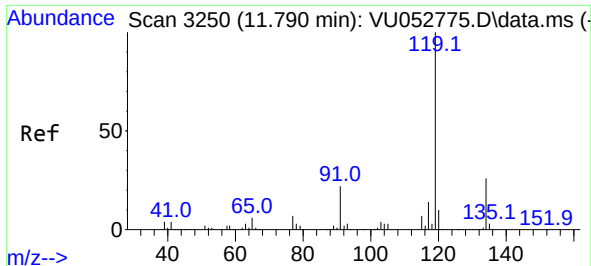
Tgt Ion:105 Resp: 82463  
 Ion Ratio Lower Upper  
 105 100  
 134 18.8 16.5 24.7



#80  
 Nitrobenzene  
 Concen: 11.740 ug/l  
 RT: 13.208 min Scan# 3769  
 Delta R.T. 0.007 min  
 Lab File: VU053022.D  
 Acq: 09 Feb 2023 17:21

Tgt Ion: 77 Resp: 5451  
 Ion Ratio Lower Upper  
 77 100  
 123 37.8 18.8 66.8  
 65 7.7 10.1 12.9#

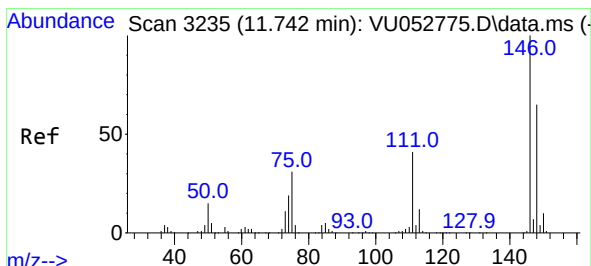
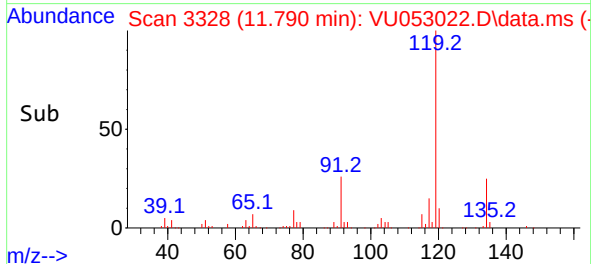
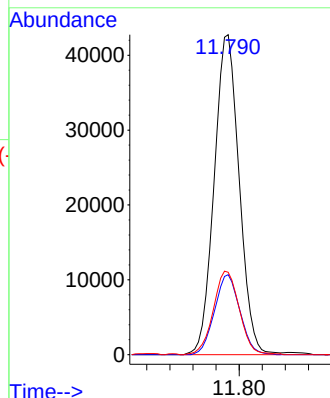
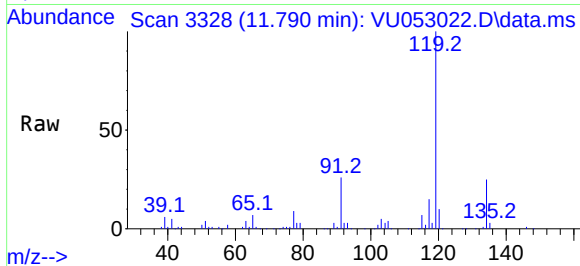




#81  
p-Isopropyltoluene  
Concen: 1.996 ug/l  
RT: 11.790 min Scan# 3113  
Delta R.T. 0.000 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

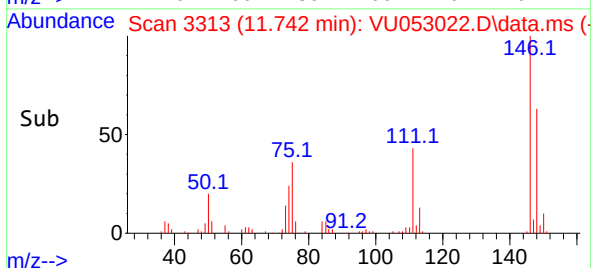
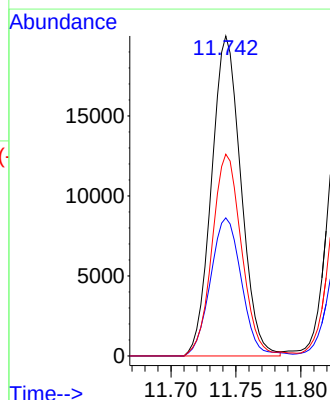
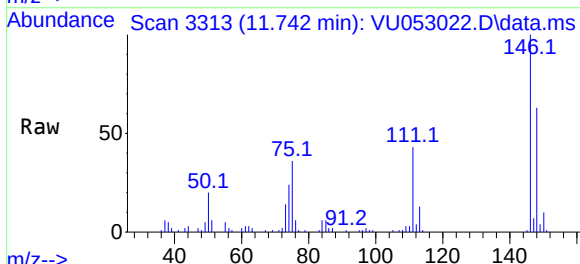
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0209WBSD01

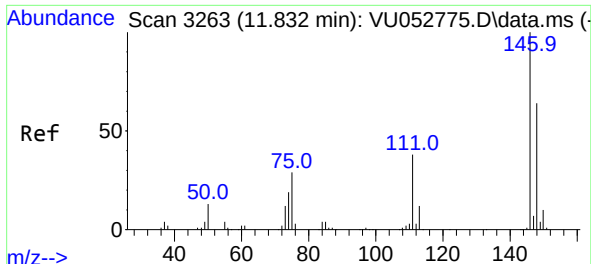
Tgt Ion:119 Resp: 64198  
Ion Ratio Lower Upper  
119 100  
134 25.3 20.7 31.1  
91 27.1 17.6 26.4#



#82  
1,3-Dichlorobenzene  
Concen: 1.754 ug/l  
RT: 11.742 min Scan# 3313  
Delta R.T. 0.001 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

Tgt Ion:146 Resp: 31402  
Ion Ratio Lower Upper  
146 100  
111 45.6 32.6 48.8  
148 63.7 51.9 77.9

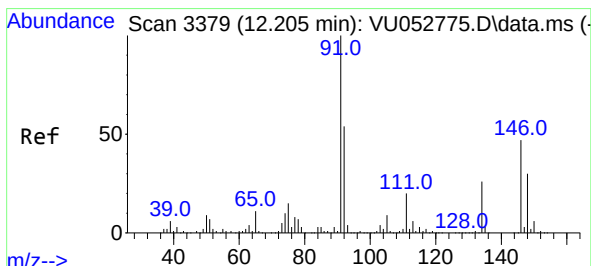
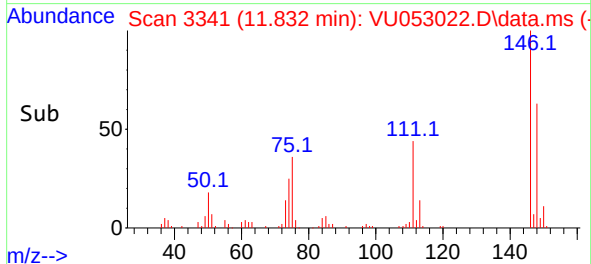
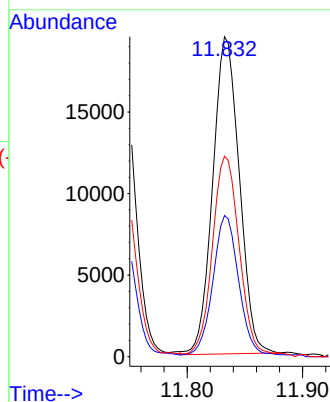
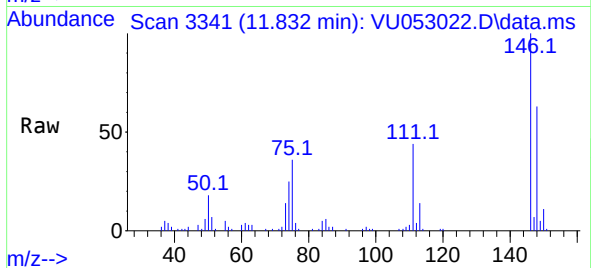




#83  
1,4-Dichlorobenzene  
Concen: 1.728 ug/l  
RT: 11.832 min Scan# 31  
Delta R.T. 0.001 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

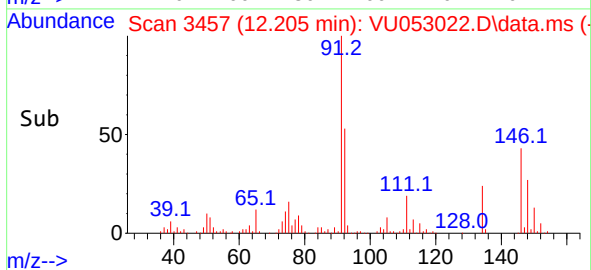
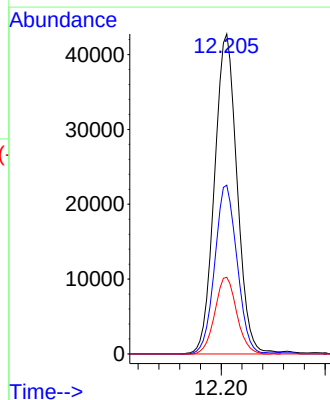
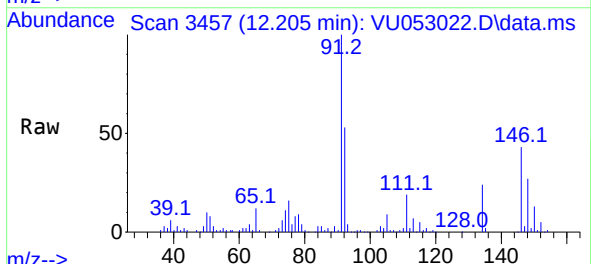
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0209WBSD01

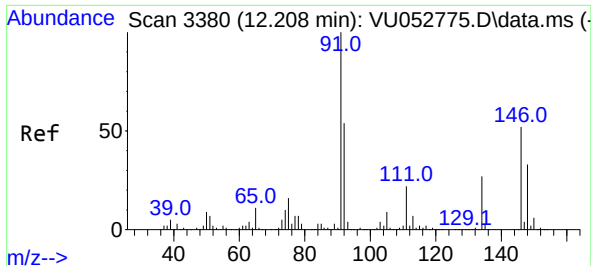
Tgt Ion:146 Resp: 31070  
Ion Ratio Lower Upper  
146 100  
111 44.3 29.5 44.3#  
148 64.8 51.4 77.0



#84  
n-Butylbenzene  
Concen: 2.269 ug/l  
RT: 12.205 min Scan# 3457  
Delta R.T. 0.000 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

Tgt Ion: 91 Resp: 64488  
Ion Ratio Lower Upper  
91 100  
92 52.0 43.4 65.0  
134 23.3 21.2 31.8



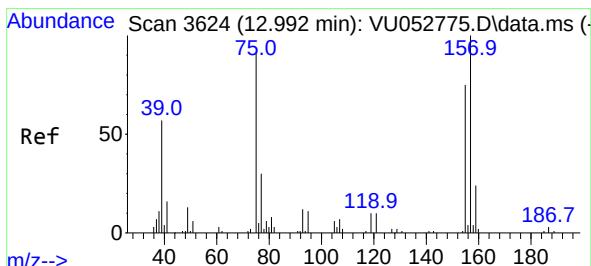
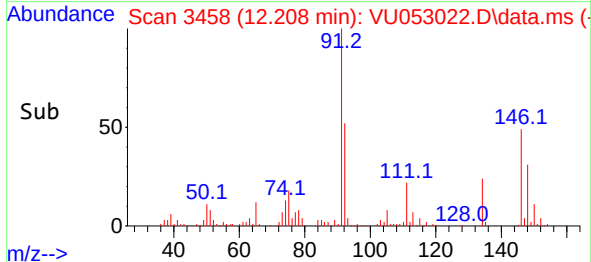
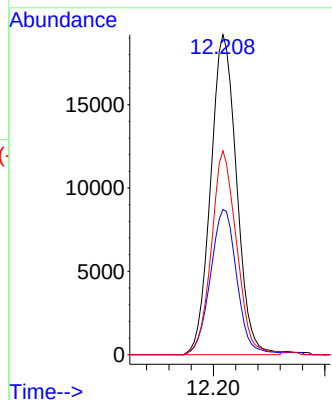
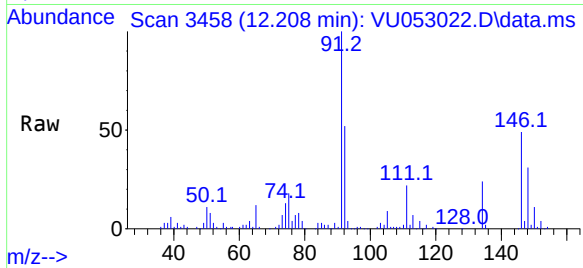


#85  
 1,2-Dichlorobenzene  
 Concen: 1.835 ug/l  
 RT: 12.208 min Scan# 34  
 Delta R.T. 0.001 min  
 Lab File: VU053022.D  
 Acq: 09 Feb 2023 17:21

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0209WBSD01

Tgt Ion: 146 Resp: 31004

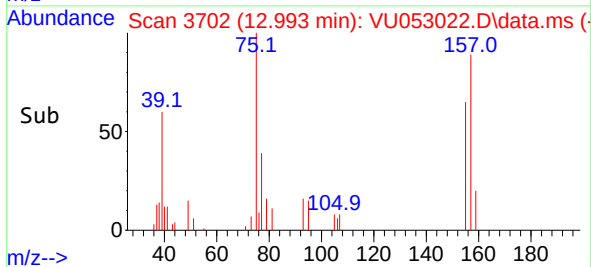
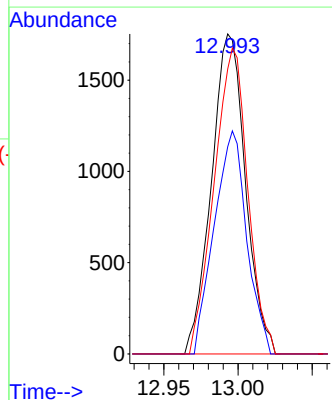
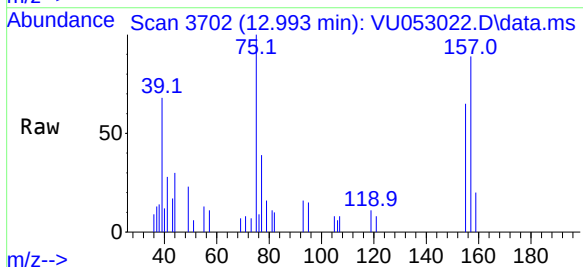
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 46.3  | 20.8  | 62.5  |
| 148 | 61.9  | 31.4  | 94.2  |

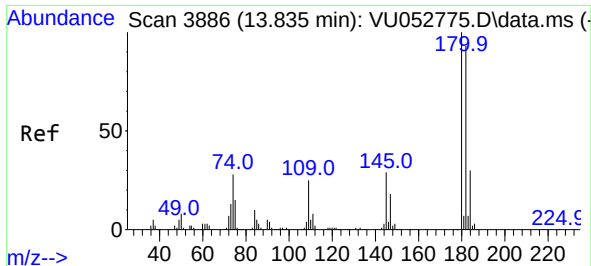


#86  
 1,2-Dibromo-3-Chloropropane  
 Concen: 2.014 ug/l  
 RT: 12.993 min Scan# 3702  
 Delta R.T. 0.001 min  
 Lab File: VU053022.D  
 Acq: 09 Feb 2023 17:21

Tgt Ion: 75 Resp: 2799

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 155 | 66.4  | 66.0  | 99.0  |
| 157 | 94.5  | 85.9  | 128.9 |

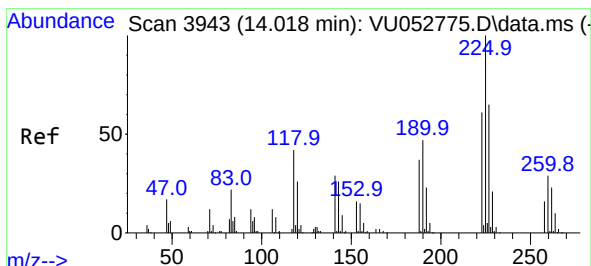
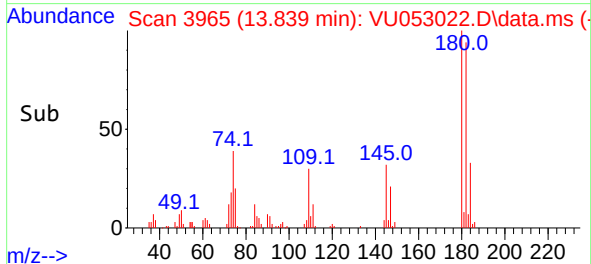
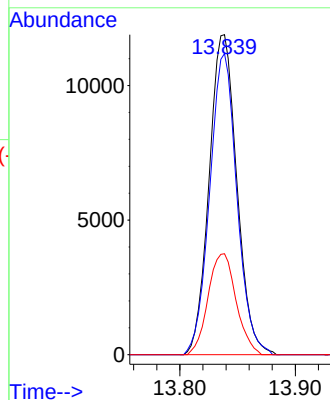
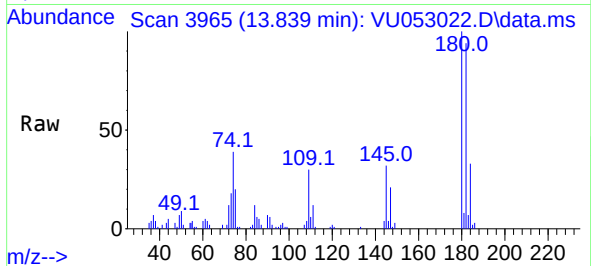




#87  
1,2,4-Trichlorobenzene  
Concen: 1.957 ug/l  
RT: 13.839 min Scan# 3965  
Delta R.T. 0.004 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

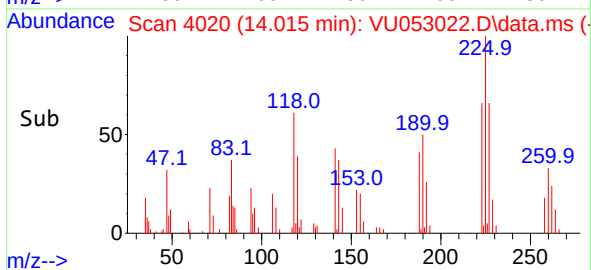
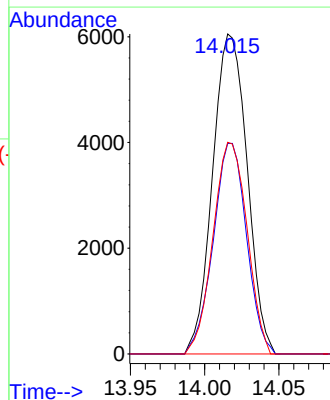
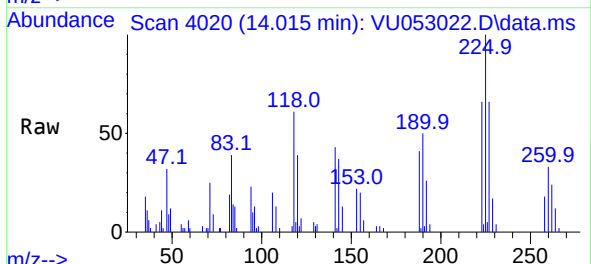
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0209WBSD01

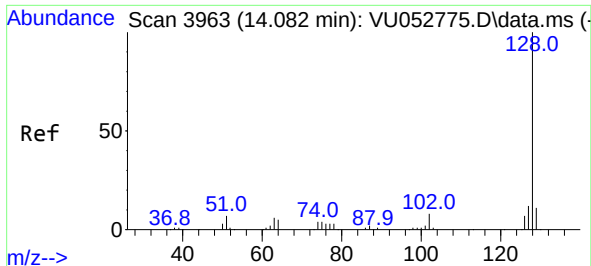
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 19837 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 92.3  | 74.6  | 112.0 |
| 145       | 31.9  | 23.4  | 35.0  |



#88  
Hexachlorobutadiene  
Concen: 1.377 ug/l  
RT: 14.015 min Scan# 4020  
Delta R.T. -0.003 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 9784 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 63.5  | 49.8  | 74.6 |
| 227       | 65.2  | 51.5  | 77.3 |

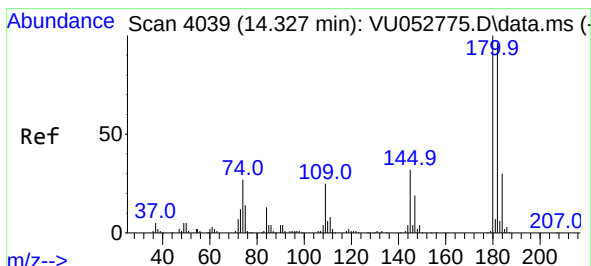
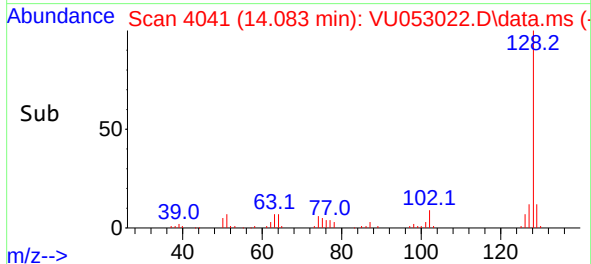
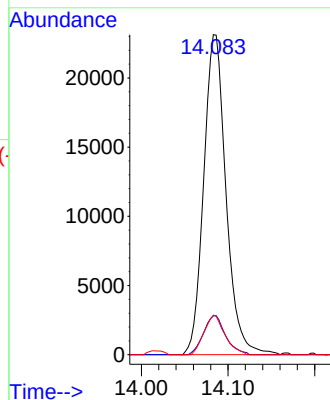
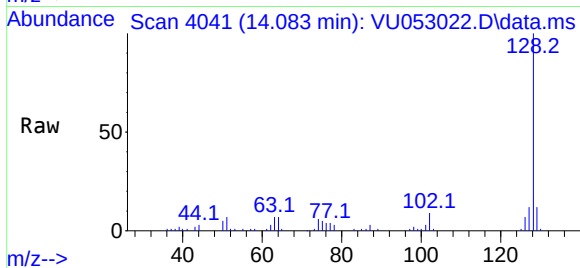




#89  
Naphthalene  
Concen: 2.105 ug/l  
RT: 14.083 min Scan# 4117  
Delta R.T. 0.001 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0209WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 41355 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 12.0  | 10.2  | 15.4  |
| 129      | 11.5  | 8.6   | 12.8  |



#90  
1,2,3-Trichlorobenzene  
Concen: 1.876 ug/l  
RT: 14.327 min Scan# 4117  
Delta R.T. 0.001 min  
Lab File: VU053022.D  
Acq: 09 Feb 2023 17:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 18049 |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 93.5  | 77.8  | 116.6 |
| 145      | 34.6  | 25.2  | 37.8  |

