

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU032923\  
 Data File : VU053463.D  
 Acq On : 29 Mar 2023 13:53  
 Operator : JC/MD  
 Sample : VSTDICC0.5  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDICC0.5

Quant Time: Mar 30 09:48:39 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U032923DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Thu Mar 30 09:48:36 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc | Units  | Dev(Min) |
|------------------------------|--------|------|----------|------|--------|----------|
| -----                        |        |      |          |      |        |          |
| Internal Standards           |        |      |          |      |        |          |
| 1) Fluorobenzene             | 6.111  | 96   | 43952    | 1.00 | ug/l   | # 0.00   |
| System Monitoring Compounds  |        |      |          |      |        |          |
| 57) 4-Bromofluorobenzene     | 10.632 | 95   | 15146    | 0.95 | ug/l   | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =    | 95.00% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.188 | 152  | 14306    | 0.90 | ug/l   | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =    | 90.00% |          |
| Target Compounds             |        |      |          |      |        |          |
|                              |        |      |          |      |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.382  | 85   | 7843     | 0.49 | ug/l   | 95       |
| 3) Chloromethane             | 1.514  | 50   | 9046     | 0.56 | ug/l   | 97       |
| 4) Vinyl Chloride            | 1.597  | 62   | 9300     | 0.54 | ug/l   | # 81     |
| 5) Bromomethane              | 1.851  | 94   | 10446    | 0.51 | ug/l   | 97       |
| 6) Chloroethane              | 1.925  | 64   | 5840     | 0.53 | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 2.128  | 101  | 13425    | 0.52 | ug/l   | 88       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.568  | 101  | 7826     | 0.62 | ug/l   | 90       |
| 9) 1,1-Dichloroethene        | 2.568  | 96   | 7713     | 0.66 | ug/l   | 79       |
| 10) Iodomethane              | 2.710  | 142  | 5248     | 0.96 | ug/l   | 94       |
| 11) Allyl Chloride           | 2.909  | 41   | 6212     | 0.47 | ug/l   | 87       |
| 12) Acrylonitrile            | 3.327  | 53   | 1447     | 0.66 | ug/l   | # 60     |
| 13) Acetone                  | 2.636  | 43   | 14151    | 3.20 | ug/l   | 93       |
| 14) Carbon Disulfide         | 2.777  | 76   | 21287    | 0.60 | ug/l   | 97       |
| 15) Methylene Chloride       | 3.034  | 84   | 27858    | 0.41 | ug/l   | 95       |
| 16) trans-1,2-Dichloroethene | 3.340  | 96   | 6079     | 0.51 | ug/l   | 95       |
| 17) 1,1-Dichloroethane       | 3.858  | 63   | 10735    | 0.49 | ug/l   | # 94     |
| 18) 2-Butanone               | 4.726  | 43   | 10894    | 2.42 | ug/l   | 94       |
| 19) Cyclohexane              | 5.378  | 56   | 8926     | 0.50 | ug/l   | # 93     |
| 20) Methylcyclohexane        | 6.758  | 83   | 10402    | 0.46 | ug/l   | 92       |
| 21) 2,2-Dichloropropane      | 4.655  | 77   | 8577     | 0.46 | ug/l   | # 79     |
| 22) cis-1,2-Dichloroethene   | 4.658  | 96   | 6734     | 0.52 | ug/l   | 98       |
| 23) Diethyl Ether            | 2.372  | 59   | 5259     | 0.57 | ug/l   | 97       |
| 24) tert-Butyl Alcohol       | 3.234  | 59   | 2967     | 4.59 | ug/l   | # 1      |
| 25) Methyl tert-Butyl Ether  | 3.369  | 73   | 12074    | 0.47 | ug/l   | # 91     |
| 26) Bromochloromethane       | 4.967  | 128  | 2592     | 0.49 | ug/l   | 93       |
| 27) Chloroform               | 5.083  | 83   | 10646    | 0.47 | ug/l   | 98       |
| 28) 1,1,1-Trichloroethane    | 5.304  | 97   | 8864     | 0.45 | ug/l   | 96       |
| 29) 1,1-Dichloropropene      | 5.523  | 75   | 8293     | 0.49 | ug/l   | 99       |
| 30) Carbon Tetrachloride     | 5.510  | 117  | 6894     | 0.44 | ug/l   | 87       |
| 31) Isopropyl Ether          | 3.989  | 45   | 14587    | 0.48 | ug/l   | 99       |
| 32) Ethyl-t-butyl ether      | 4.504  | 59   | 14062    | 0.45 | ug/l   | # 73     |
| 33) Tert-Amyl methyl ether   | 5.944  | 73   | 11888    | 0.43 | ug/l   | 92       |
| 34) Propionitrile            | 4.800  | 54   | 717      | 1.93 | ug/l   | # 34     |
| 35) Benzene                  | 5.764  | 78   | 24041    | 0.48 | ug/l   | 99       |
| 36) 1,2-Dichloroethane       | 5.790  | 62   | 7282     | 0.51 | ug/l   | # 90     |
| 37) Trichloroethene          | 6.536  | 130  | 5756     | 0.46 | ug/l   | 88       |
| 38) 1,2-Dichloropropane      | 6.790  | 63   | 5791     | 0.46 | ug/l   | # 82     |
| 40) Methyl acrylate          | 4.874  | 55   | 2190     | 0.41 | ug/l   | # 74     |
| 41) Tetrahydrofuran          | 5.073  | 42   | 1469     | 0.91 | ug/l   | # 79     |
| 42) 1-Chlorobutane           | 5.456  | 56   | 11295    | 0.50 | ug/l   | 98       |
| 43) Dibromomethane           | 6.915  | 93   | 2649     | 0.44 | ug/l   | 86       |
| 44) Bromodichloromethane     | 7.102  | 83   | 6684     | 0.44 | ug/l   | # 92     |
| 45) 4-Methyl-2-Pentanone     | 7.793  | 43   | 13550    | 2.16 | ug/l   | 94       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU032923\  
 Data File : VU053463.D  
 Acq On : 29 Mar 2023 13:53  
 Operator : JC/MD  
 Sample : VSTDICC0.5  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDICC0.5

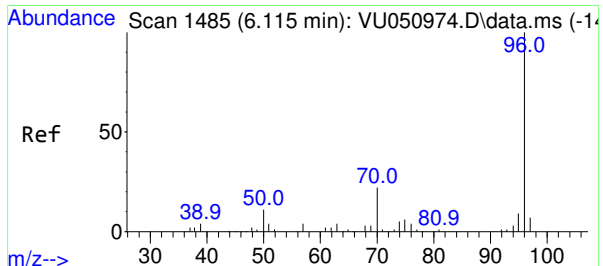
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U032923DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Thu Mar 30 09:48:36 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|------|--------|----------|
| 46) t-1,4-Dichloro-2-butene   | 10.819 | 75   | 5570     | 1.63 | ug/l # | 44       |
| 47) Methyl methacrylate       | 6.964  | 69   | 5230     | 0.94 | ug/l   | 95       |
| 48) Ethyl methacrylate        | 8.333  | 69   | 4433     | 0.41 | ug/l   | 91       |
| 49) Toluene                   | 7.967  | 92   | 14230    | 0.47 | ug/l   | 98       |
| 50) t-1,3-Dichloropropene     | 8.211  | 75   | 5786     | 0.41 | ug/l # | 85       |
| 51) cis-1,3-Dichloropropene   | 7.607  | 75   | 7714     | 0.44 | ug/l   | 96       |
| 52) 1,1,2-Trichloroethane     | 8.398  | 97   | 4253     | 0.48 | ug/l # | 90       |
| 53) 1,3-Dichloropropane       | 8.571  | 76   | 6979     | 0.46 | ug/l   | 95       |
| 54) 2-Hexanone                | 8.687  | 43   | 15661    | 2.38 | ug/l   | 97       |
| 55) Dibromochloromethane      | 8.809  | 129  | 3852     | 0.43 | ug/l   | 99       |
| 56) 1,2-Dibromoethane         | 8.925  | 107  | 3637     | 0.45 | ug/l   | 100      |
| 58) Tetrachloroethene         | 8.545  | 164  | 5192     | 0.45 | ug/l # | 91       |
| 59) Chlorobenzene             | 9.449  | 112  | 15300    | 0.46 | ug/l   | 95       |
| 60) 1,1,1,2-Tetrachloroethane | 9.533  | 131  | 4061     | 0.40 | ug/l   | 91       |
| 61) Pentachloroethane         | 11.426 | 117  | 3409     | 0.48 | ug/l   | 87       |
| 62) Hexachloroethane          | 12.471 | 117  | 3302     | 0.70 | ug/l # | 65       |
| 63) Ethyl Benzene             | 9.568  | 91   | 27429    | 0.47 | ug/l   | 98       |
| 64) m/p-Xylenes               | 9.693  | 106  | 20403    | 0.91 | ug/l   | 97       |
| 65) o-Xylene                  | 10.098 | 106  | 9779     | 0.45 | ug/l   | 91       |
| 66) Styrene                   | 10.115 | 104  | 13694    | 0.41 | ug/l # | 91       |
| 67) Bromoform                 | 10.291 | 173  | 1843     | 0.71 | ug/l # | 86       |
| 69) Isopropylbenzene          | 10.481 | 105  | 26213    | 0.46 | ug/l   | 96       |
| 70) 1,1,2,2-Tetrachloroethane | 10.780 | 83   | 4698     | 0.44 | ug/l # | 91       |
| 71) 1,2,3-Trichloropropane    | 10.819 | 75   | 5570     | 0.66 | ug/l # | 49       |
| 72) Bromobenzene              | 10.780 | 156  | 5178     | 0.43 | ug/l   | 77       |
| 73) n-propylbenzene           | 10.906 | 120  | 6391     | 0.42 | ug/l   | 81       |
| 74) 2-Chlorotoluene           | 10.986 | 126  | 6261     | 0.48 | ug/l   | 100      |
| 75) 1,3,5-Trimethylbenzene    | 11.086 | 105  | 20896    | 0.43 | ug/l   | 95       |
| 76) 4-Chlorotoluene           | 11.095 | 126  | 5951     | 0.44 | ug/l   | 95       |
| 77) tert-Butylbenzene         | 11.417 | 119  | 18887    | 0.42 | ug/l   | 90       |
| 78) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 21500    | 0.44 | ug/l   | 97       |
| 79) sec-Butylbenzene          | 11.642 | 105  | 27876    | 0.43 | ug/l   | 98       |
| 80) Nitrobenzene              | 13.214 | 77   | 226      | 0.85 | ug/l # | 40       |
| 81) p-Isopropyltoluene        | 11.793 | 119  | 20870    | 0.41 | ug/l   | 99       |
| 82) 1,3-Dichlorobenzene       | 11.745 | 146  | 11548    | 0.45 | ug/l   | 92       |
| 83) 1,4-Dichlorobenzene       | 11.835 | 146  | 12594    | 0.48 | ug/l   | 98       |
| 84) n-Butylbenzene            | 12.204 | 91   | 19739    | 0.39 | ug/l   | 98       |
| 85) 1,2-Dichlorobenzene       | 12.211 | 146  | 11600    | 0.48 | ug/l   | 98       |
| 86) 1,2-Dibromo-3-Chloropr... | 12.995 | 75   | 815      | 0.51 | ug/l # | 44       |
| 87) 1,2,4-Trichlorobenzene    | 13.841 | 180  | 6743     | 0.48 | ug/l   | 98       |
| 88) Hexachlorobutadiene       | 14.018 | 225  | 2659     | 0.39 | ug/l # | 89       |
| 89) Naphthalene               | 14.089 | 128  | 13344    | 0.47 | ug/l   | 96       |
| 90) 1,2,3-Trichlorobenzene    | 14.327 | 180  | 4891     | 0.40 | ug/l # | 86       |

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U032923DW.M  
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
QLast Update : Thu Mar 30 09:48:36 2023  
Response via : Initial Calibration

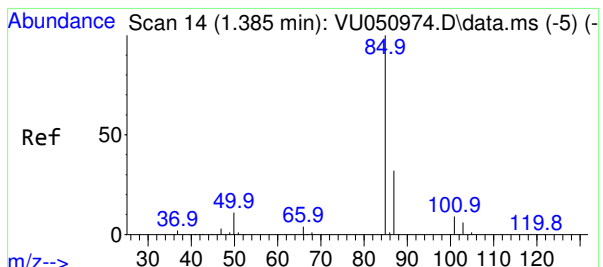
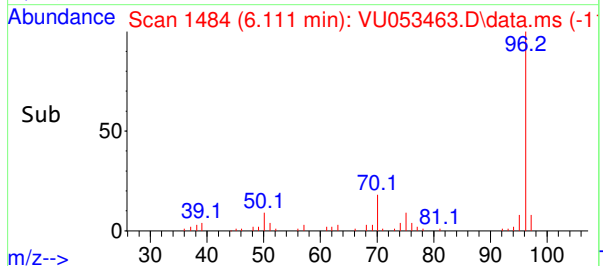
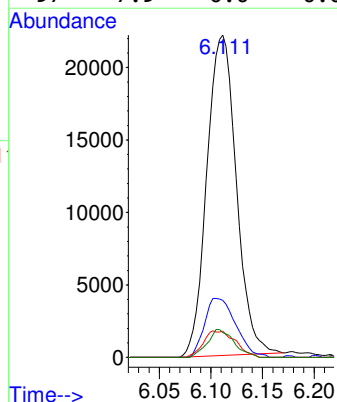
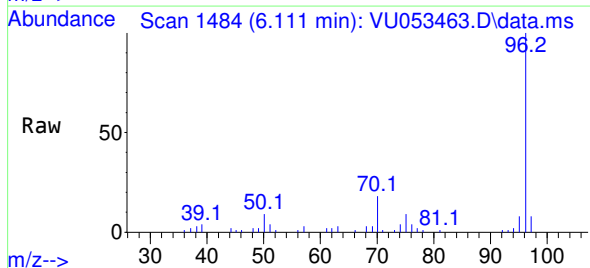




#1  
Fluorobenzene  
Concen: 1.00 ug/l  
RT: 6.111 min Scan# 1  
Delta R.T. -0.004 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

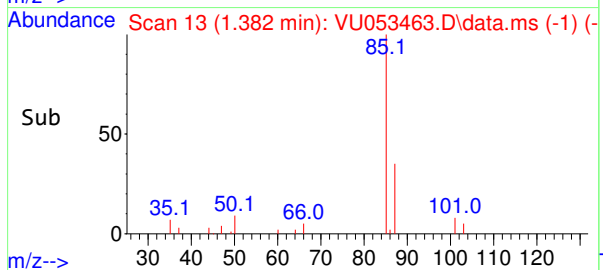
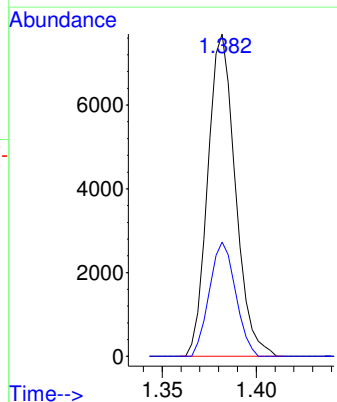
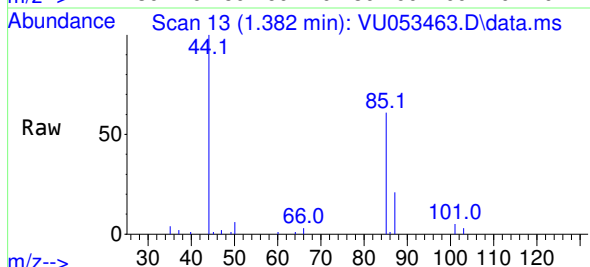
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

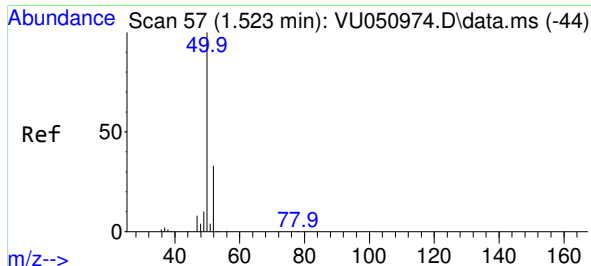
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 43952 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 70       | 19.5  | 16.5  | 24.7  |
| 95       | 9.0   | 7.4   | 11.0  |
| 97       | 7.9   | 0.0   | 0.0#  |



#2  
Dichlorodifluoromethane  
Concen: 0.49 ug/l  
RT: 1.382 min Scan# 13  
Delta R.T. -0.003 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 85    | Resp: | 7843  |
| Ion      | Ratio | Lower | Upper |
| 85       | 100   |       |       |
| 87       | 35.4  | 16.2  | 48.6  |

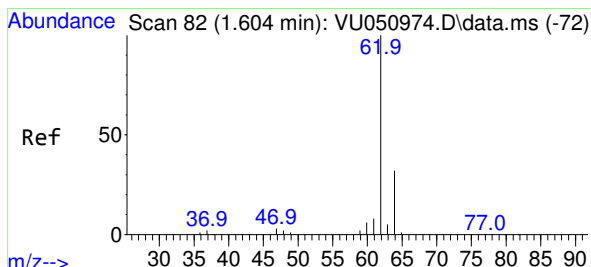
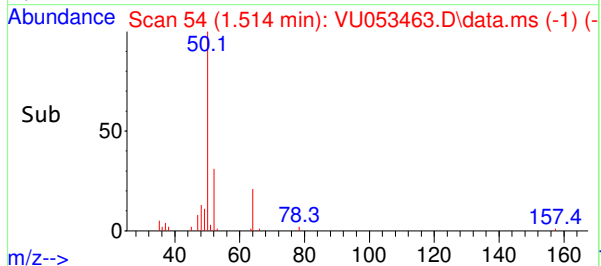
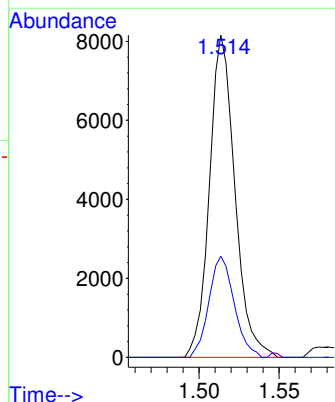
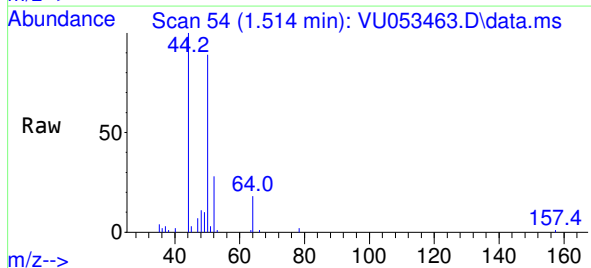




#3  
Chloromethane  
Concen: 0.56 ug/l  
RT: 1.514 min Scan# 5  
Delta R.T. -0.010 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

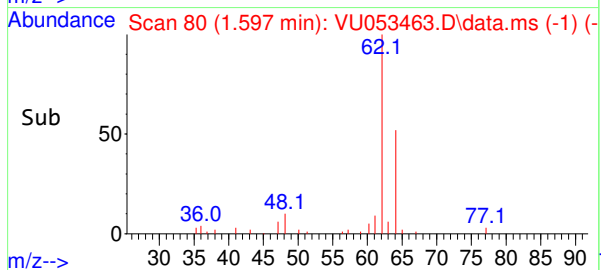
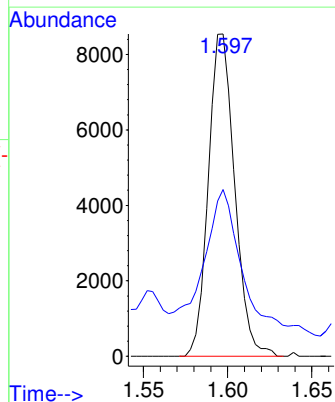
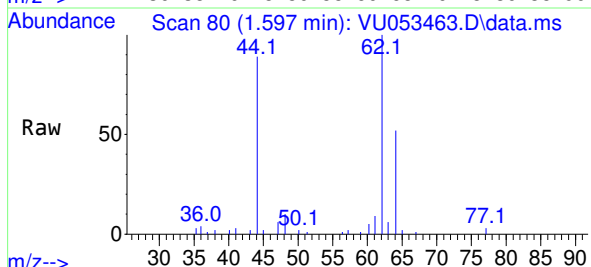
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC0.5

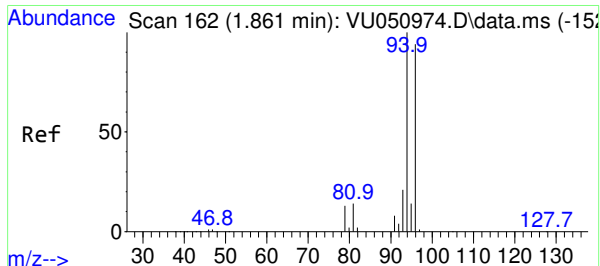
Tgt Ion: 50 Resp: 9046  
Ion Ratio Lower Upper  
50 100  
52 31.4 26.6 40.0



#4  
Vinyl Chloride  
Concen: 0.54 ug/l  
RT: 1.597 min Scan# 80  
Delta R.T. -0.007 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

Tgt Ion: 62 Resp: 9300  
Ion Ratio Lower Upper  
62 100  
64 42.1 25.4 38.2#

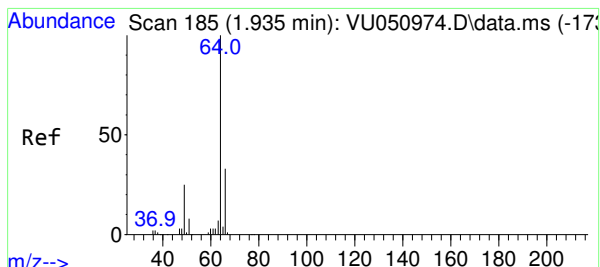
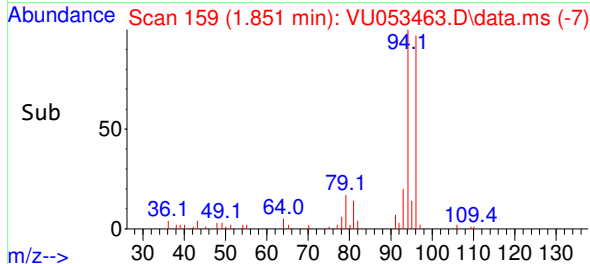
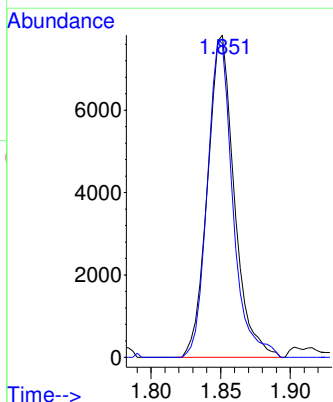
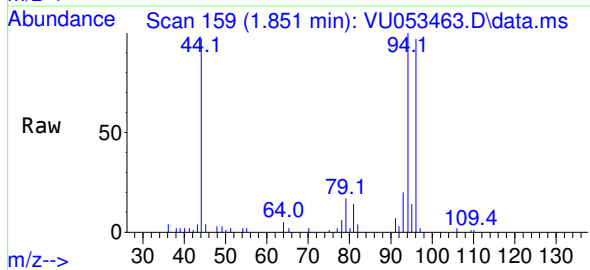




#5  
Bromomethane  
Concen: 0.51 ug/l  
RT: 1.851 min Scan# 1  
Delta R.T. -0.010 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

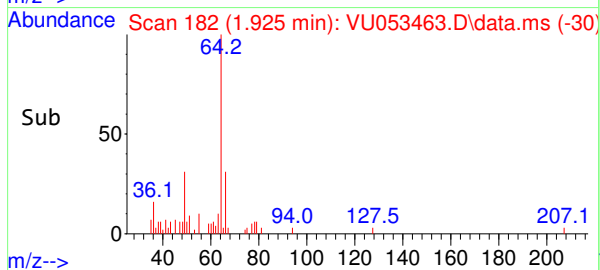
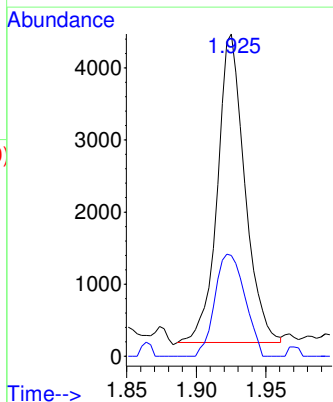
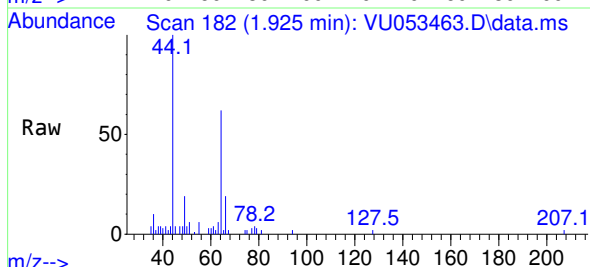
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC0.5

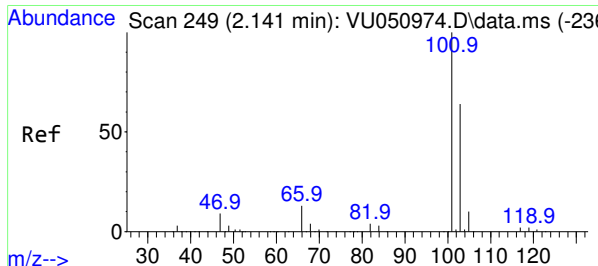
Tgt Ion: 94 Resp: 10446  
Ion Ratio Lower Upper  
94 100  
96 97.3 75.4 113.2



#6  
Chloroethane  
Concen: 0.53 ug/l  
RT: 1.925 min Scan# 182  
Delta R.T. -0.010 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

Tgt Ion: 64 Resp: 5840  
Ion Ratio Lower Upper  
64 100  
66 32.7 26.0 39.0

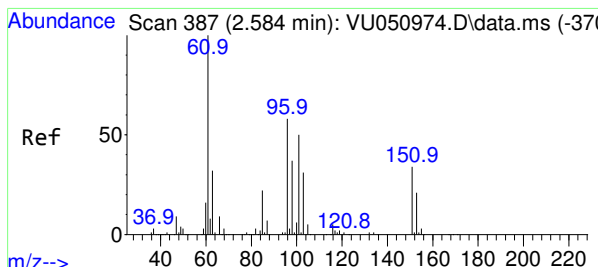
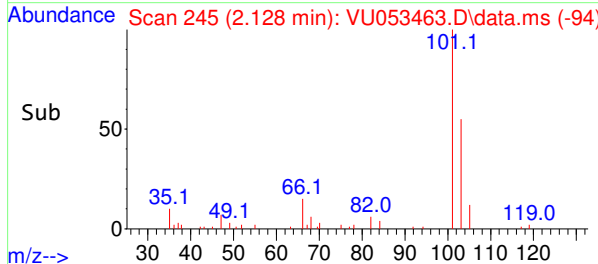
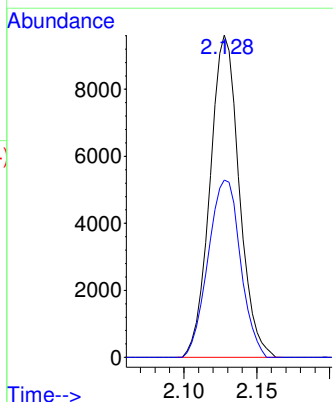
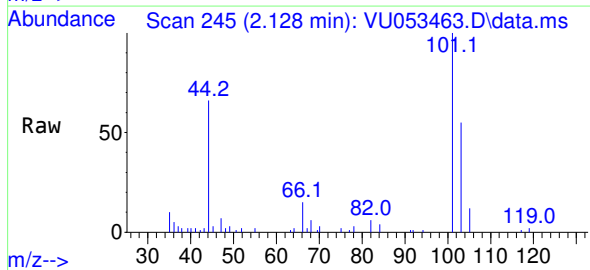




#7  
 Trichlorofluoromethane  
 Concen: 0.52 ug/l  
 RT: 2.128 min Scan# 21  
 Delta R.T. -0.013 min  
 Lab File: VU053463.D  
 Acq: 29 Mar 2023 13:53

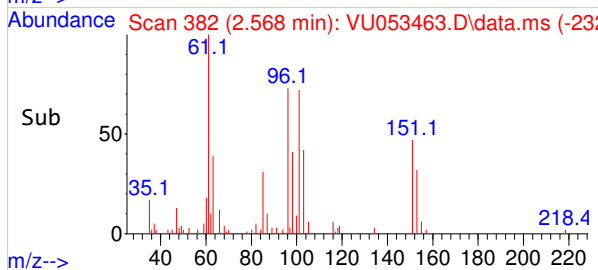
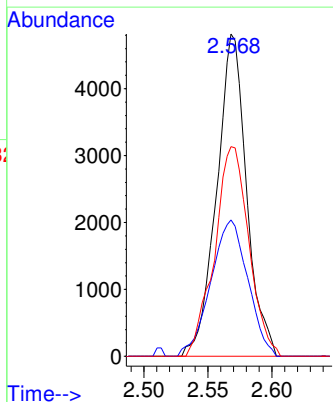
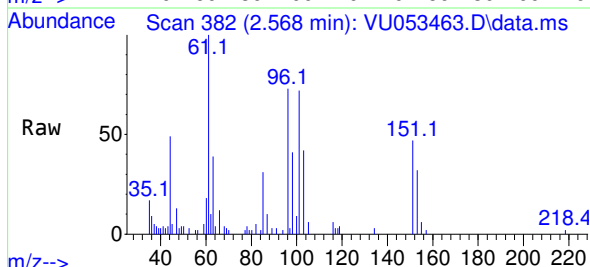
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC0.5

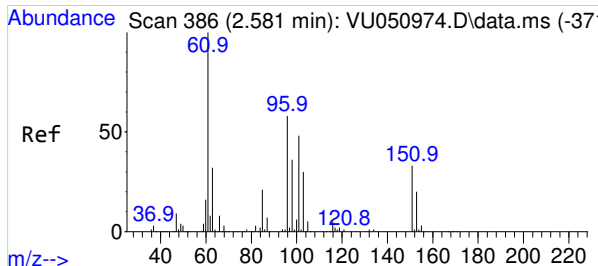
Tgt Ion:101 Resp: 13425  
 Ion Ratio Lower Upper  
 101 100  
 103 55.0 51.4 77.0



#8  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.62 ug/l  
 RT: 2.568 min Scan# 382  
 Delta R.T. -0.016 min  
 Lab File: VU053463.D  
 Acq: 29 Mar 2023 13:53

Tgt Ion:101 Resp: 7826  
 Ion Ratio Lower Upper  
 101 100  
 85 52.3 35.4 53.0  
 151 74.6 54.0 81.0

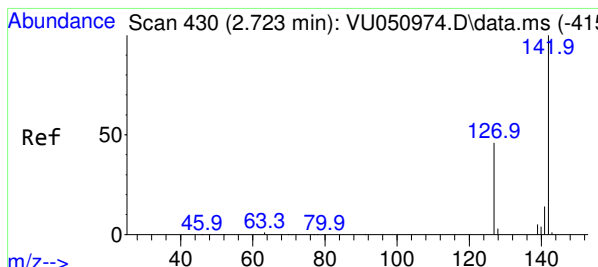
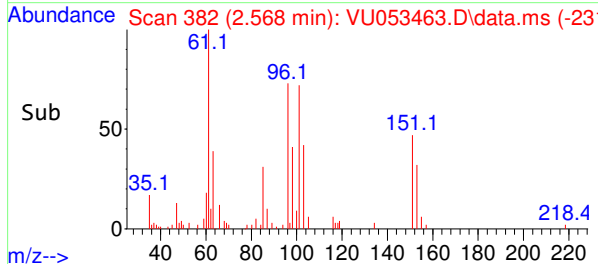
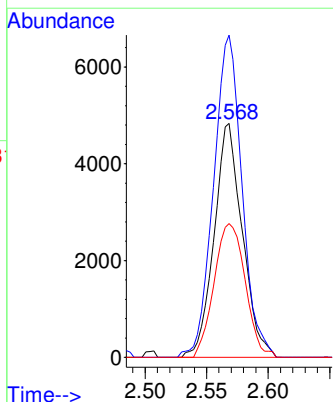
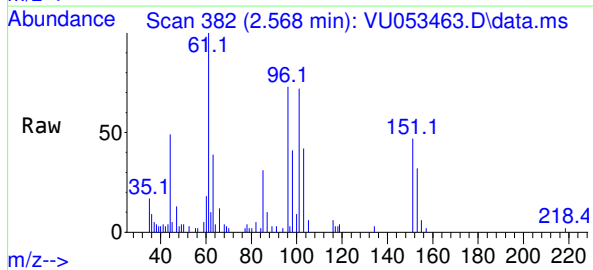




#9  
1,1-Dichloroethene  
Concen: 0.66 ug/l  
RT: 2.568 min Scan# 3  
Delta R.T. -0.013 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

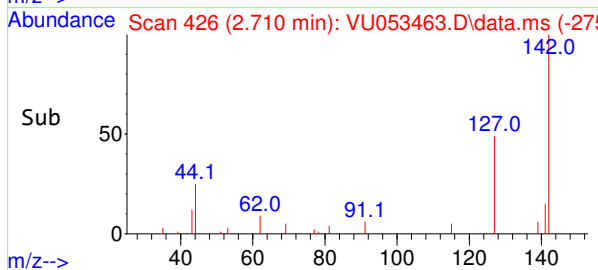
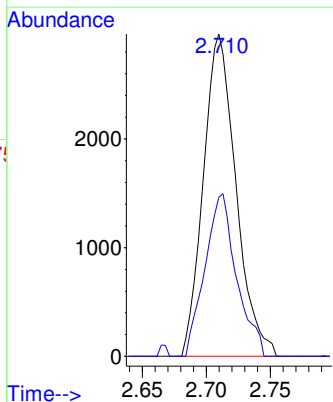
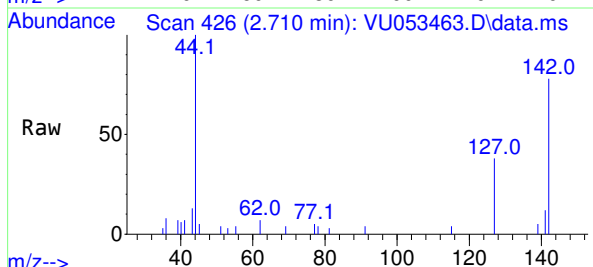
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC0.5

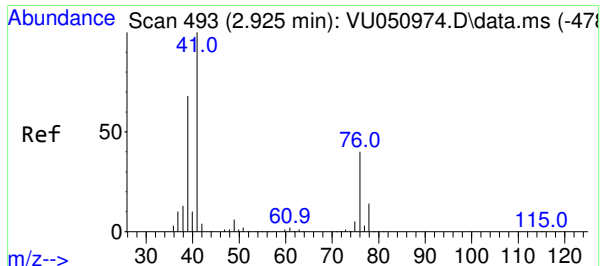
Tgt Ion: 96 Resp: 7713  
Ion Ratio Lower Upper  
96 100  
61 137.9 0.0 521.4  
98 57.2 0.0 125.8



#10  
Iodomethane  
Concen: 0.96 ug/l  
RT: 2.710 min Scan# 426  
Delta R.T. -0.013 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

Tgt Ion:142 Resp: 5248  
Ion Ratio Lower Upper  
142 100  
127 48.7 35.9 53.9

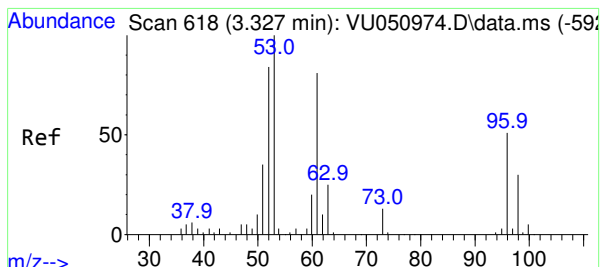
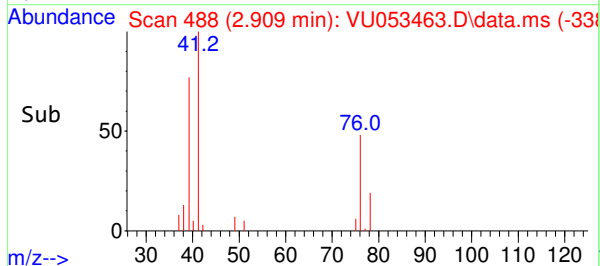
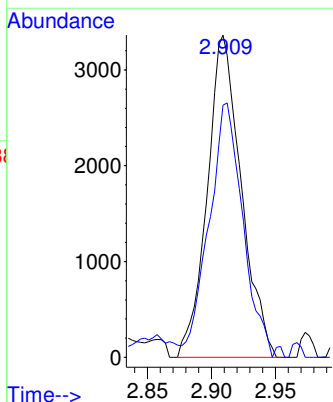
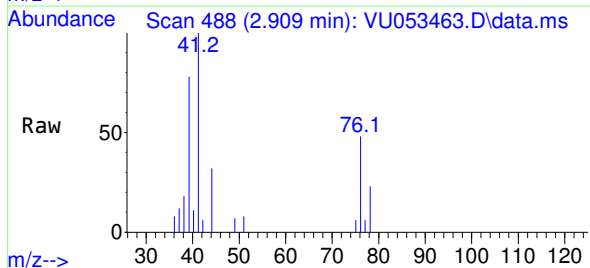




#11  
 Allyl Chloride  
 Concen: 0.47 ug/l  
 RT: 2.909 min Scan# 412  
 Delta R.T. -0.016 min  
 Lab File: VU053463.D  
 Acq: 29 Mar 2023 13:53

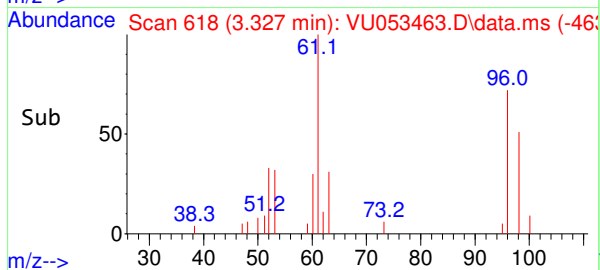
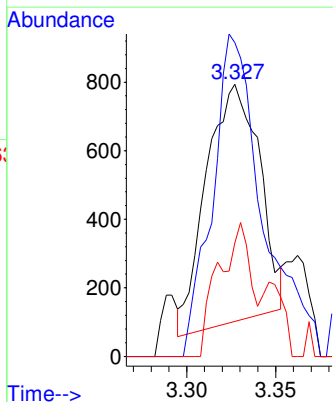
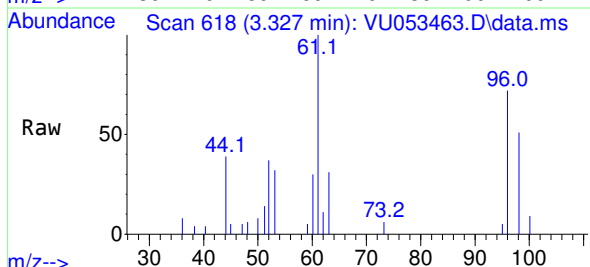
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC0.5

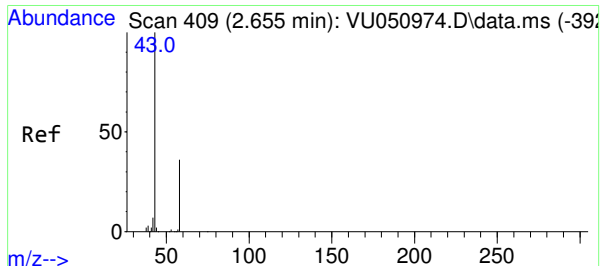
Tgt Ion: 41 Resp: 6212  
 Ion Ratio Lower Upper  
 41 100  
 39 78.5 54.2 81.2



#12  
 Acrylonitrile  
 Concen: 0.66 ug/l  
 RT: 3.327 min Scan# 618  
 Delta R.T. -0.000 min  
 Lab File: VU053463.D  
 Acq: 29 Mar 2023 13:53

Tgt Ion: 53 Resp: 1447  
 Ion Ratio Lower Upper  
 53 100  
 52 128.0 62.9 94.3#  
 51 34.1 27.8 41.6

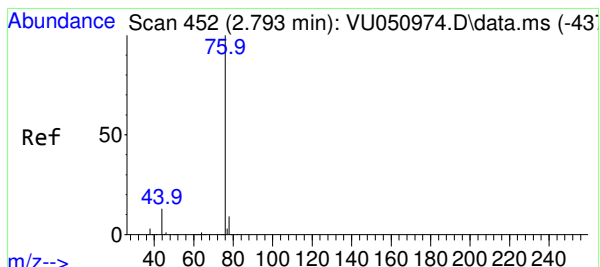
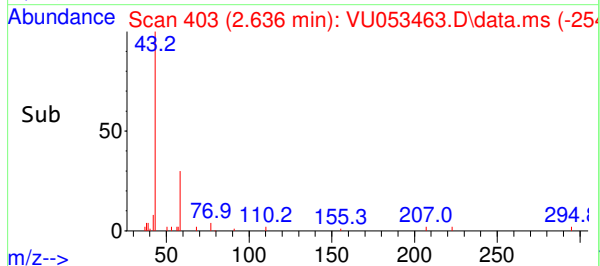
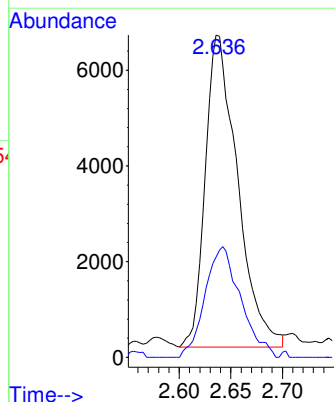
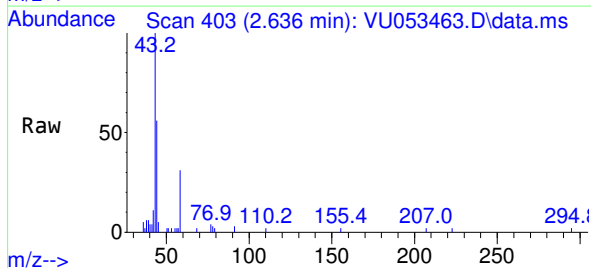




#13  
Acetone  
Concen: 3.20 ug/l  
RT: 2.636 min Scan# 413  
Delta R.T. -0.019 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

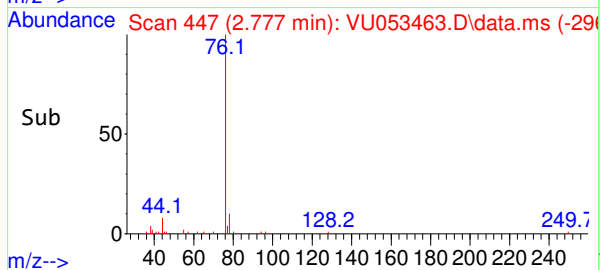
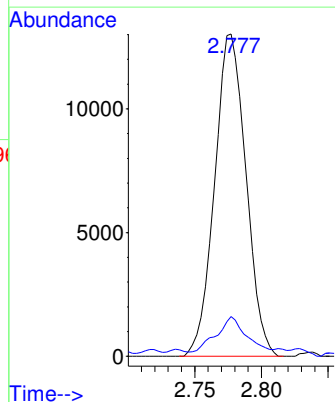
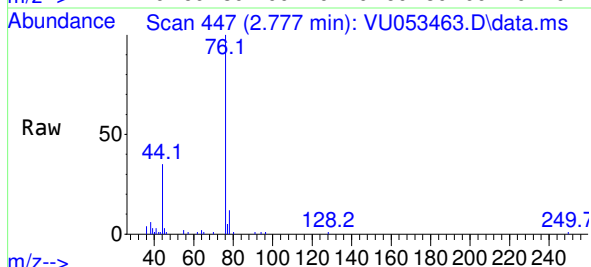
Instrument : MSVOA\_U  
ClientSampleId : VSTDIC0.5

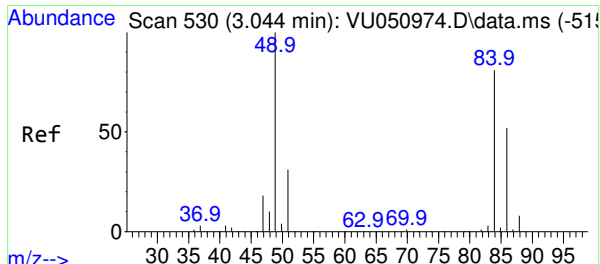
Tgt Ion: 43 Resp: 14151  
Ion Ratio Lower Upper  
43 100  
58 32.2 29.0 43.4



#14  
Carbon Disulfide  
Concen: 0.60 ug/l  
RT: 2.777 min Scan# 447  
Delta R.T. -0.016 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

Tgt Ion: 76 Resp: 21287  
Ion Ratio Lower Upper  
76 100  
78 10.3 7.4 11.0



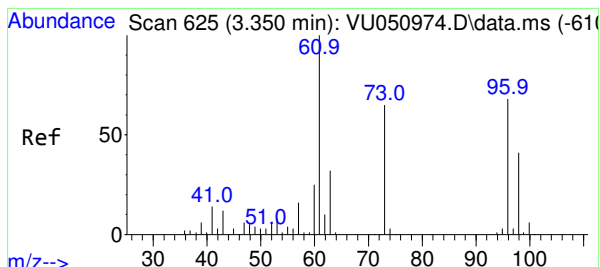
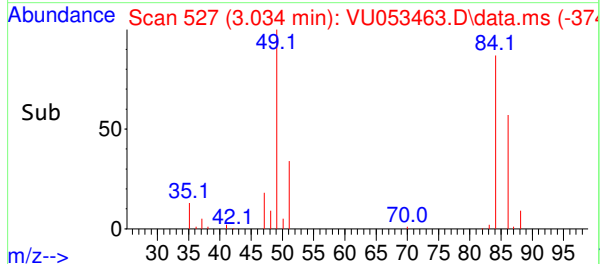
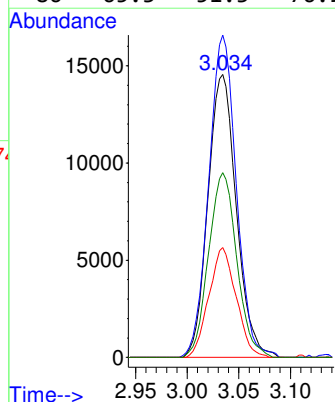
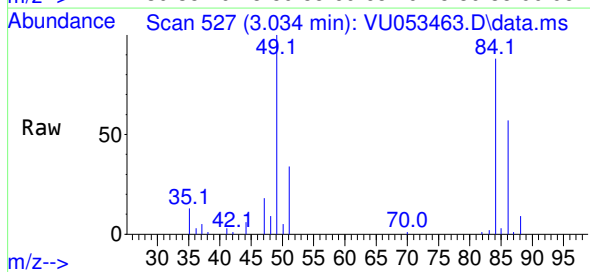


#15  
Methylene Chloride  
Concen: 0.41 ug/l  
RT: 3.034 min Scan# 51  
Delta R.T. -0.010 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

Tgt Ion: 84 Resp: 27858

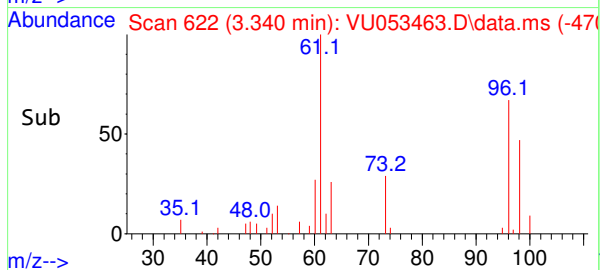
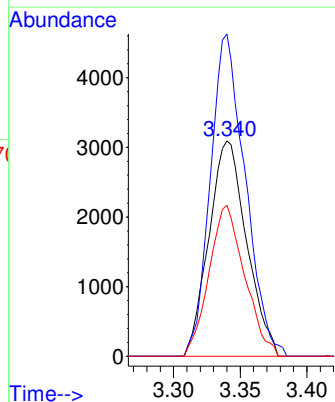
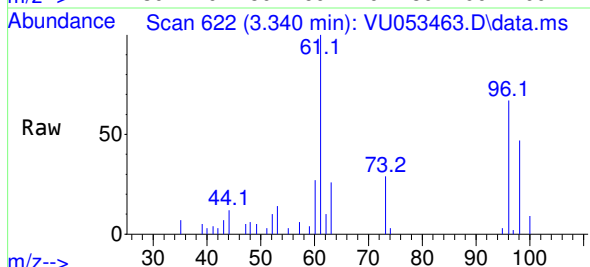
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 114.0 | 98.9  | 148.3 |
| 51  | 38.8  | 0.0   | 75.4  |
| 86  | 65.3  | 51.3  | 76.9  |

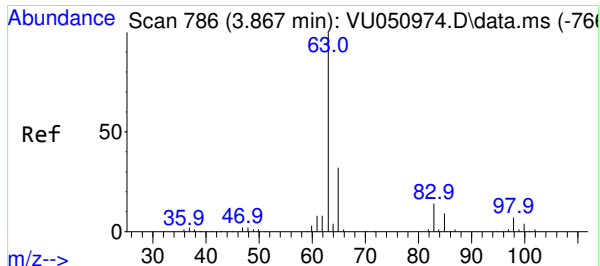


#16  
trans-1,2-Dichloroethene  
Concen: 0.51 ug/l  
RT: 3.340 min Scan# 622  
Delta R.T. -0.010 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

Tgt Ion: 96 Resp: 6079

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 149.7 | 117.5 | 176.3 |
| 98  | 70.2  | 48.3  | 72.5  |

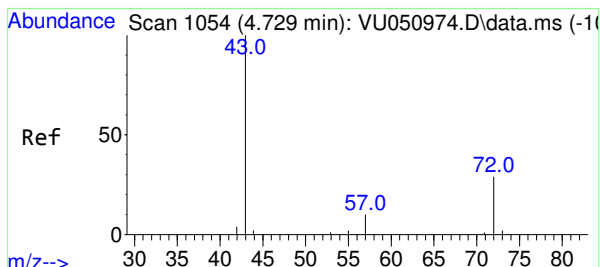
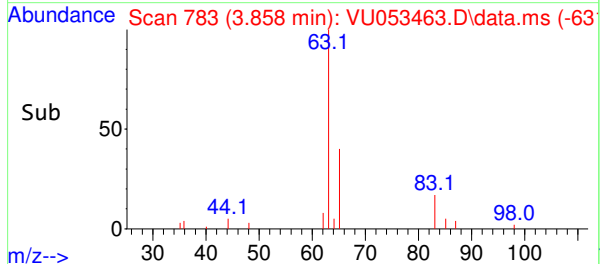
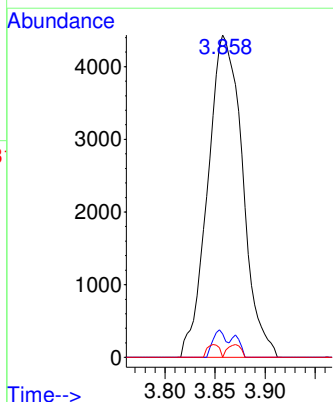
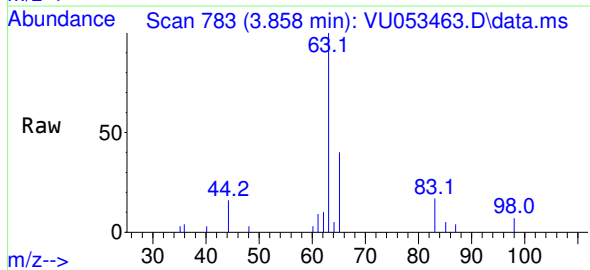




#17  
1,1-Dichloroethane  
Concen: 0.49 ug/l  
RT: 3.858 min Scan# 71  
Delta R.T. -0.010 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

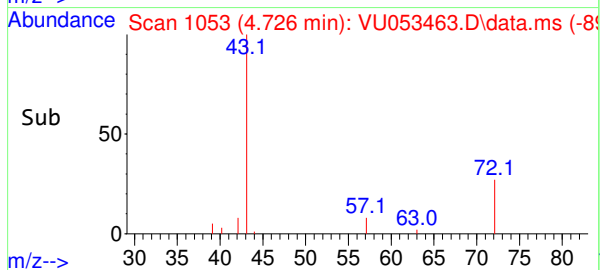
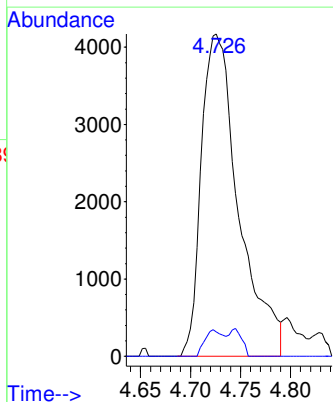
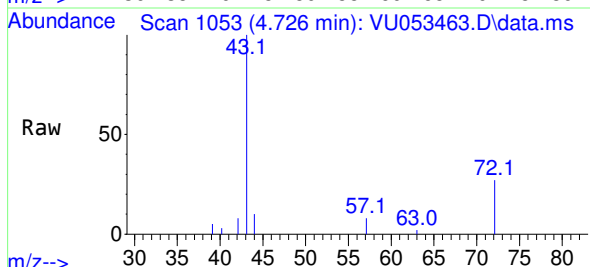
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

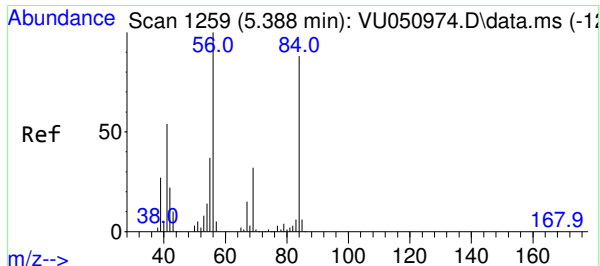
Tgt Ion: 63 Resp: 10735  
Ion Ratio Lower Upper  
63 100  
98 7.3 3.4 10.1  
100 0.0 2.2 6.6#



#18  
2-Butanone  
Concen: 2.42 ug/l  
RT: 4.726 min Scan# 1053  
Delta R.T. -0.003 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

Tgt Ion: 43 Resp: 10894  
Ion Ratio Lower Upper  
43 100  
57 7.6 0.0 19.6

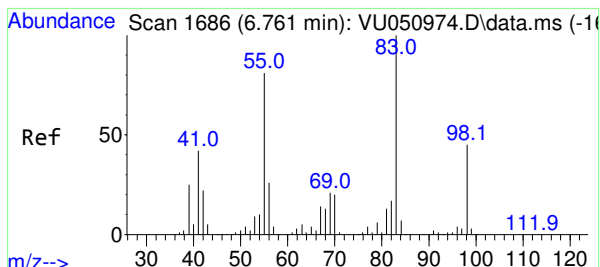
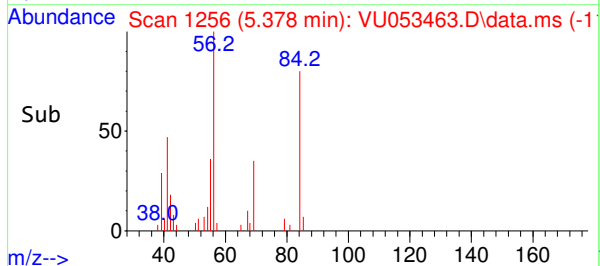
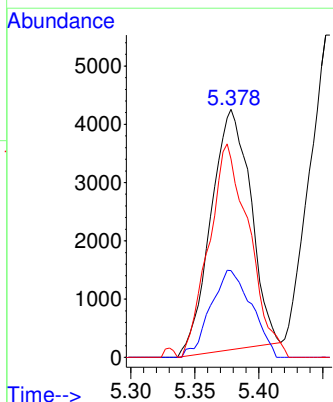
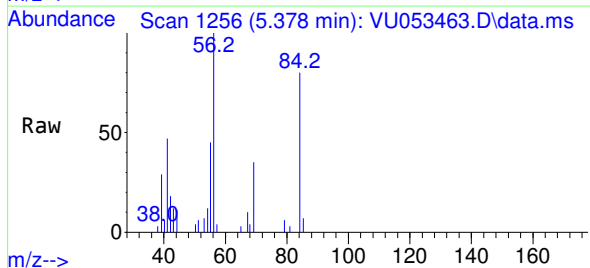




#19  
Cyclohexane  
Concen: 0.50 ug/l  
RT: 5.378 min Scan# 1  
Delta R.T. -0.010 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

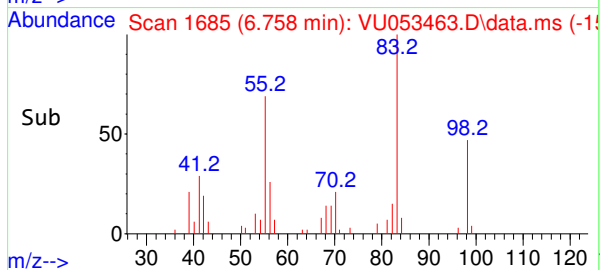
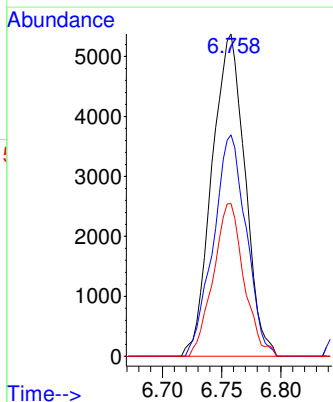
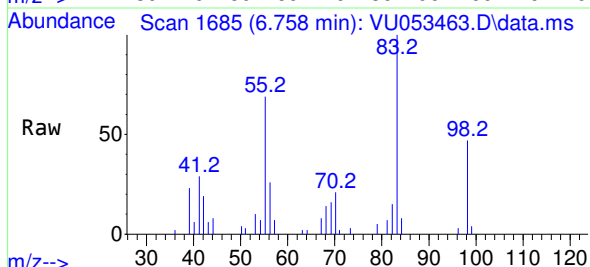
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC0.5

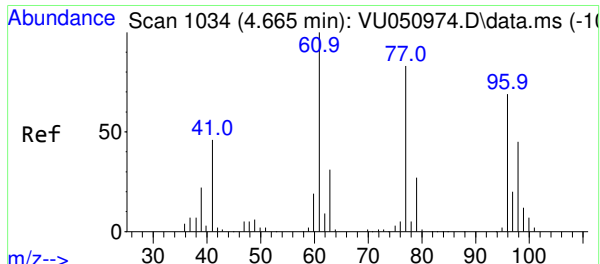
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 8926  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 37.3  | 24.6  | 37.0# |
| 84       | 89.9  | 68.4  | 102.6 |



#20  
Methylcyclohexane  
Concen: 0.46 ug/l  
RT: 6.758 min Scan# 1685  
Delta R.T. -0.003 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 10402 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 68.6  | 63.5  | 95.3  |
| 98       | 44.0  | 36.0  | 54.0  |

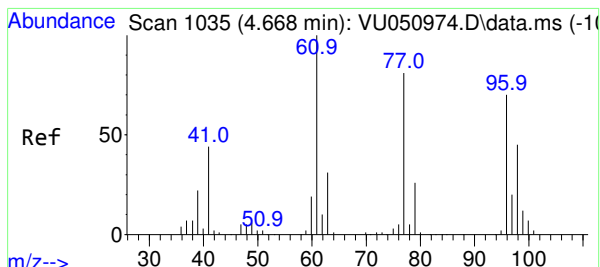
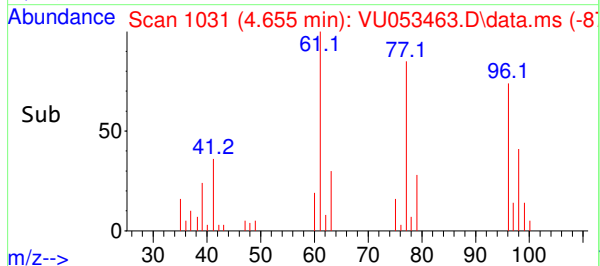
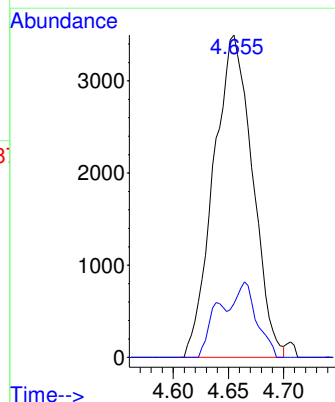
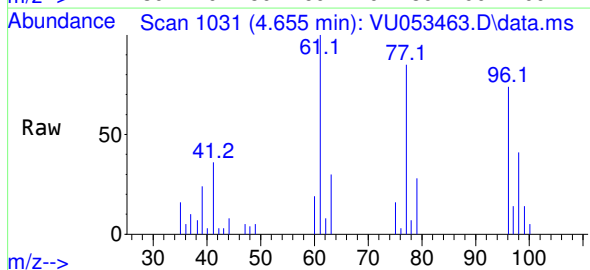




#21  
2,2-Dichloropropane  
Concen: 0.46 ug/l  
RT: 4.655 min Scan# 1  
Delta R.T. -0.010 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

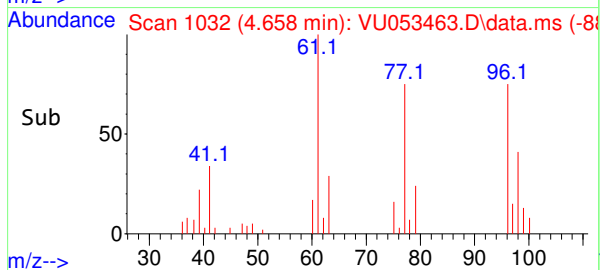
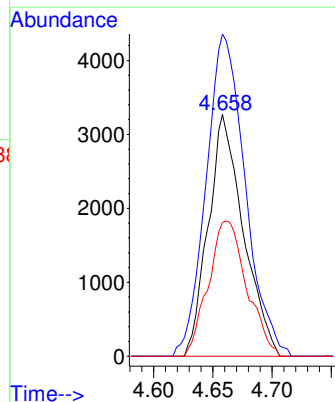
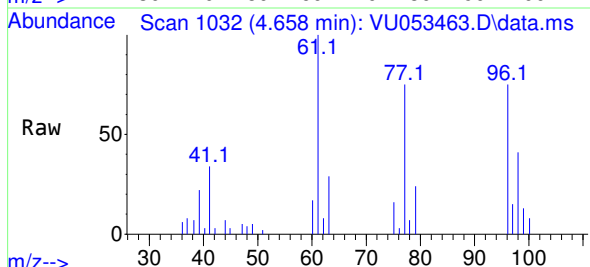
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

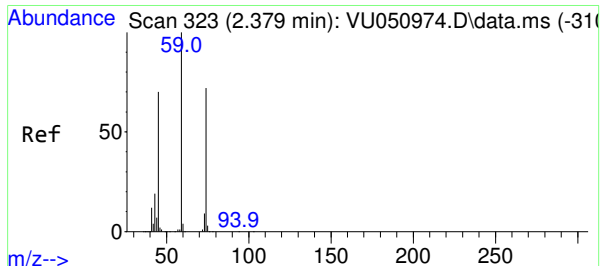
Tgt Ion: 77 Resp: 8577  
Ion Ratio Lower Upper  
77 100  
97 13.0 18.4 27.6#



#22  
cis-1,2-Dichloroethene  
Concen: 0.52 ug/l  
RT: 4.658 min Scan# 1032  
Delta R.T. -0.010 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

Tgt Ion: 96 Resp: 6734  
Ion Ratio Lower Upper  
96 100  
61 148.6 0.0 365.8  
98 61.1 32.0 96.0

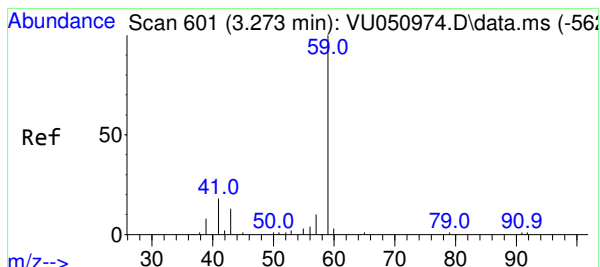
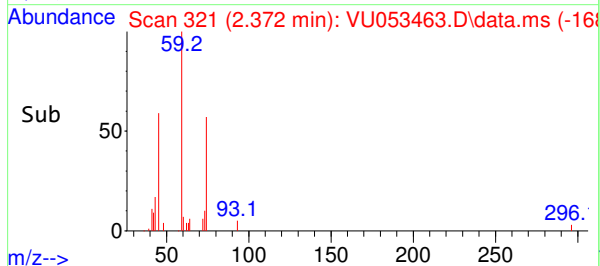
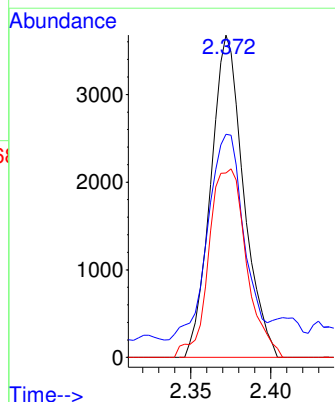
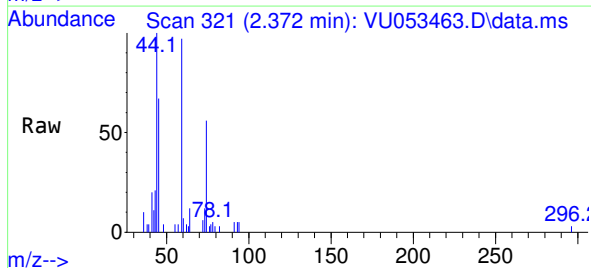




#23  
Diethyl Ether  
Concen: 0.57 ug/l  
RT: 2.372 min Scan# 5259  
Delta R.T. -0.007 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

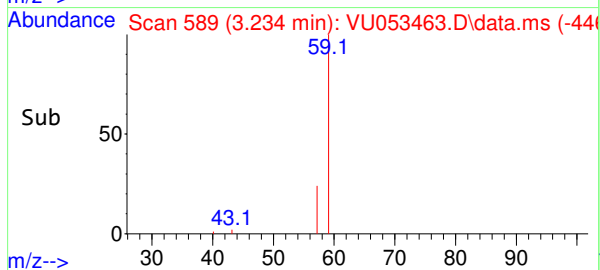
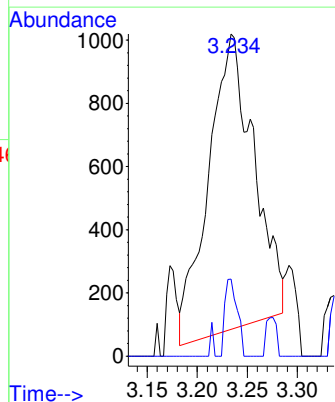
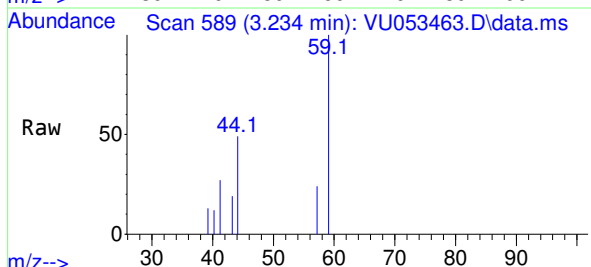
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC0.5

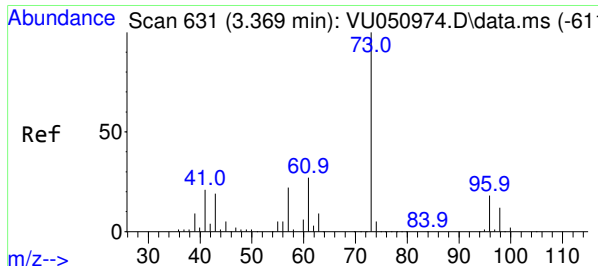
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 59    | Resp: | 5259  |
| Ion      | Ratio | Lower | Upper |
| 59       | 100   |       |       |
| 45       | 69.5  | 56.1  | 84.1  |
| 74       | 67.1  | 57.4  | 86.2  |



#24  
tert-Butyl Alcohol  
Concen: 4.59 ug/l  
RT: 3.234 min Scan# 589  
Delta R.T. -0.039 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 59    | Resp: | 2967   |
| Ion      | Ratio | Lower | Upper  |
| 59       | 100   |       |        |
| 57       | 7.1   | 105.6 | 158.4# |

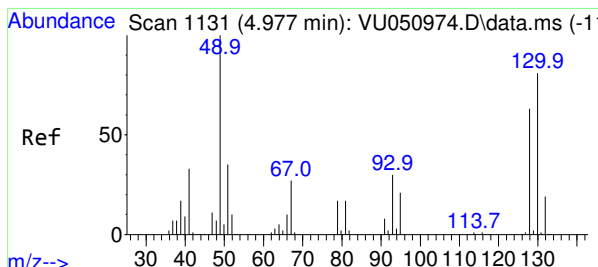
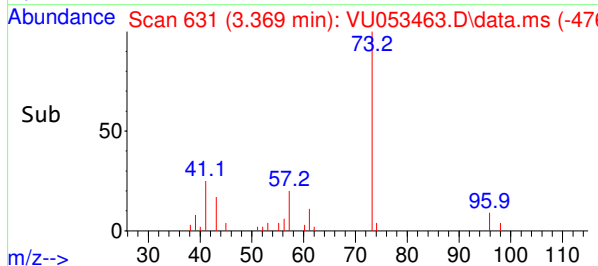
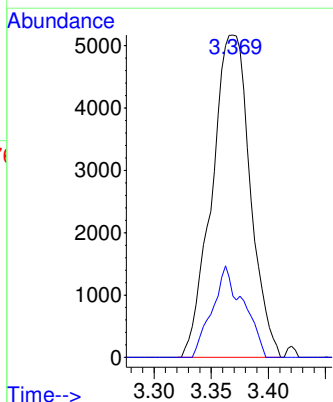
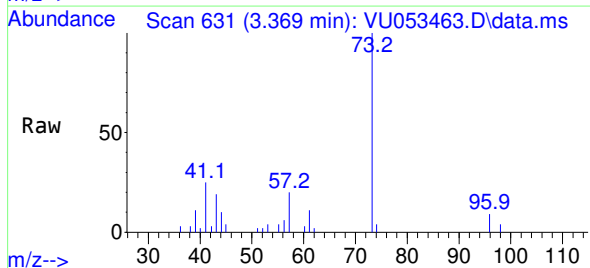




#25  
Methyl tert-Butyl Ether  
Concen: 0.47 ug/l  
RT: 3.369 min Scan# 631  
Delta R.T. -0.000 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

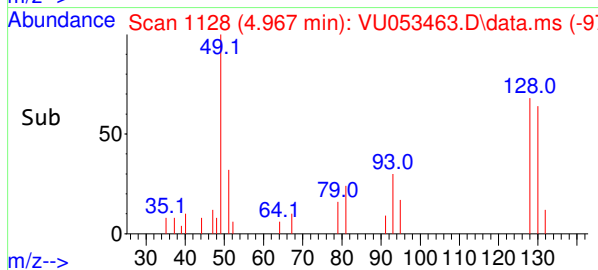
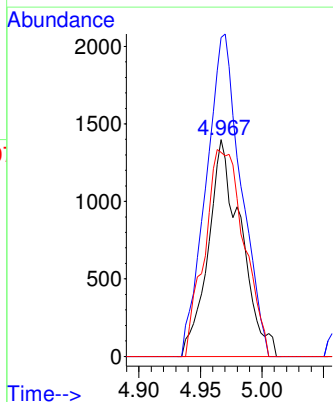
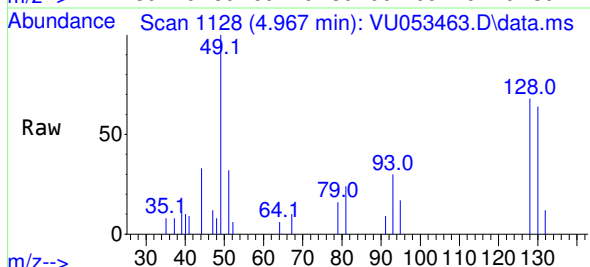
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC0.5

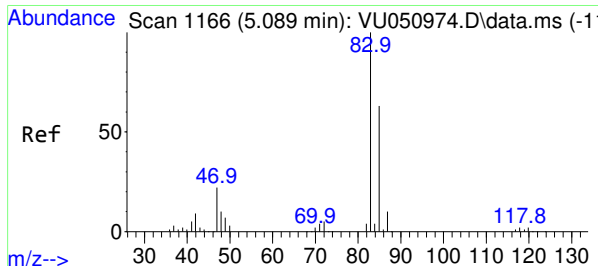
Tgt Ion: 73 Resp: 12074  
Ion Ratio Lower Upper  
73 100  
43 23.1 15.0 22.6#



#26  
Bromochloromethane  
Concen: 0.49 ug/l  
RT: 4.967 min Scan# 1128  
Delta R.T. -0.010 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

Tgt Ion:128 Resp: 2592  
Ion Ratio Lower Upper  
128 100  
49 158.7 0.0 324.6  
130 114.1 103.0 154.4

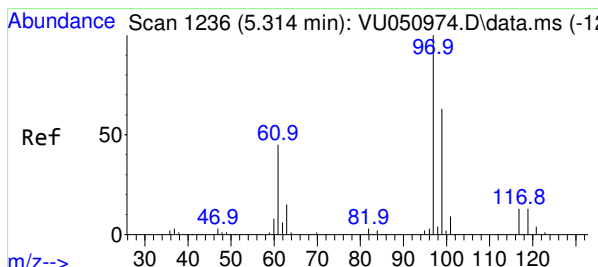
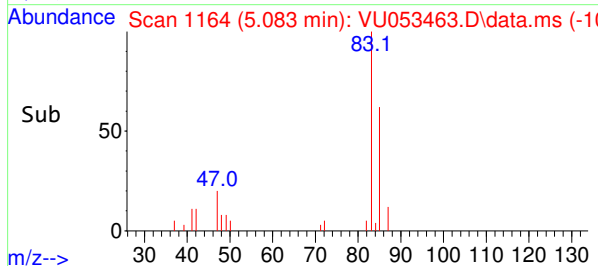
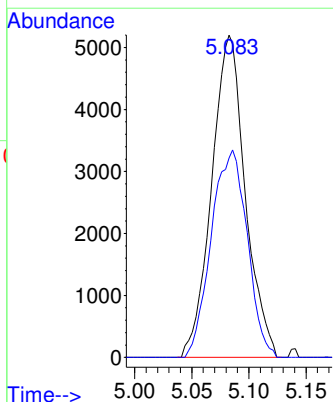
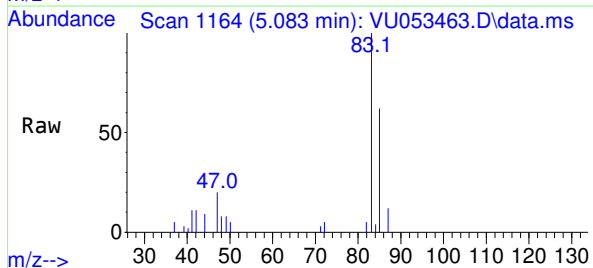




#27  
Chloroform  
Concen: 0.47 ug/l  
RT: 5.083 min Scan# 1  
Delta R.T. -0.007 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

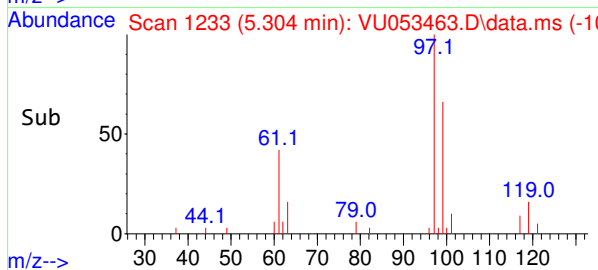
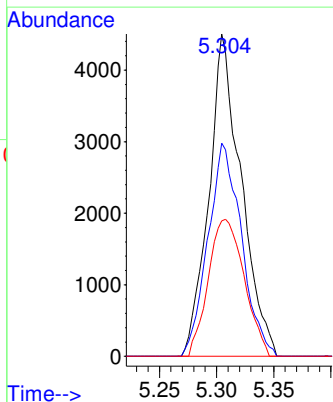
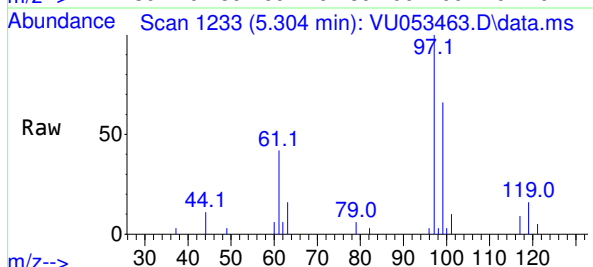
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC0.5

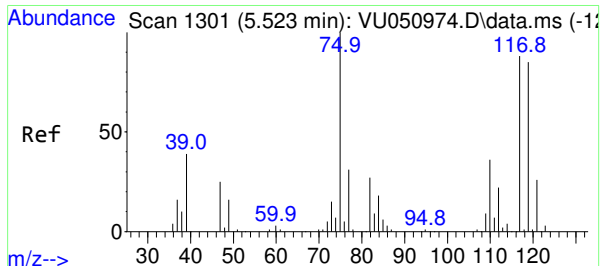
Tgt Ion: 83 Resp: 10646  
Ion Ratio Lower Upper  
83 100  
85 61.9 0.0 126.4



#28  
1,1,1-Trichloroethane  
Concen: 0.45 ug/l  
RT: 5.304 min Scan# 1233  
Delta R.T. -0.010 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

Tgt Ion: 97 Resp: 8864  
Ion Ratio Lower Upper  
97 100  
99 68.8 32.0 96.2  
61 47.3 22.9 68.5

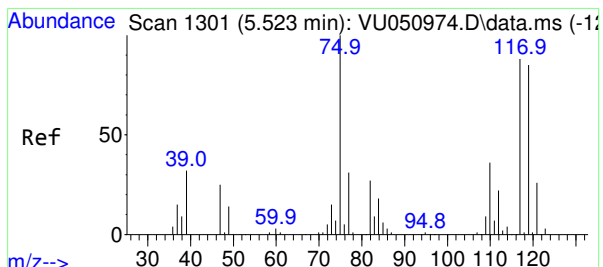
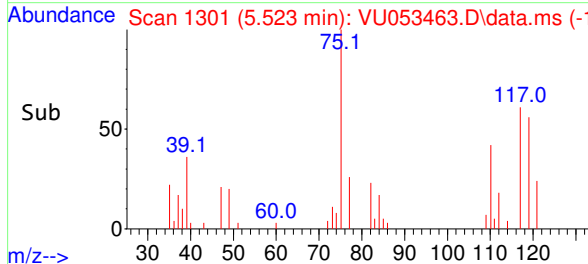
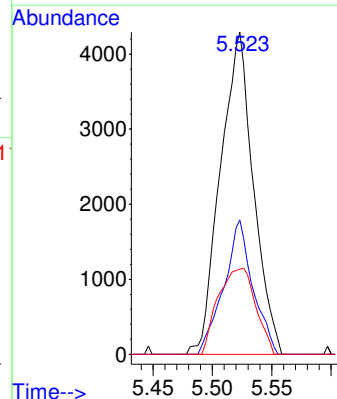
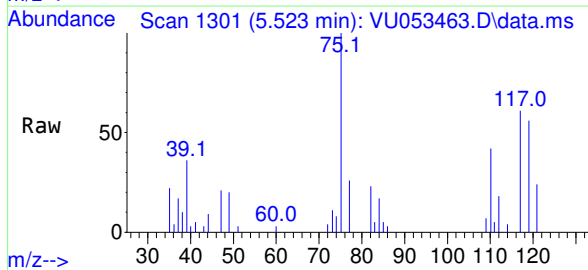




#29  
1,1-Dichloropropene  
Concen: 0.49 ug/l  
RT: 5.523 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

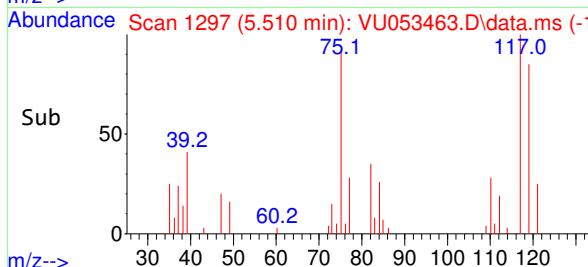
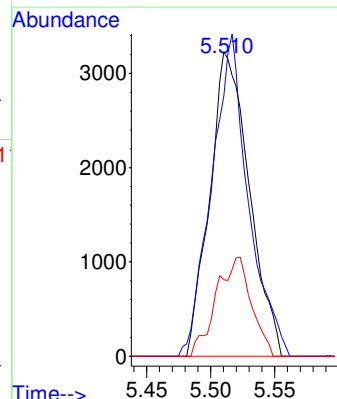
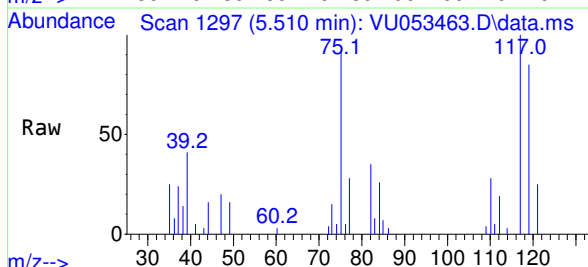
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

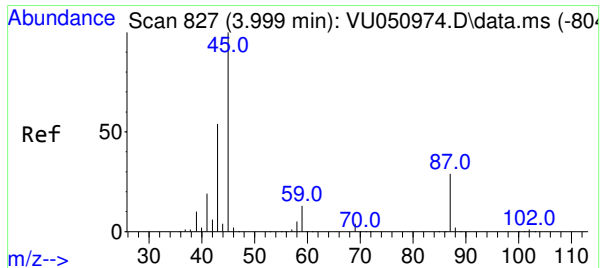
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 8293  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 36.8  | 18.0  | 54.0  |
| 77       | 30.4  | 24.7  | 37.1  |



#30  
Carbon Tetrachloride  
Concen: 0.44 ug/l  
RT: 5.510 min Scan# 1297  
Delta R.T. -0.013 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 6894  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 82.1  | 77.4  | 116.0 |
| 121      | 25.1  | 24.0  | 36.0  |

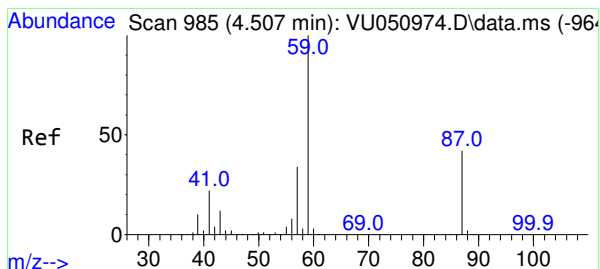
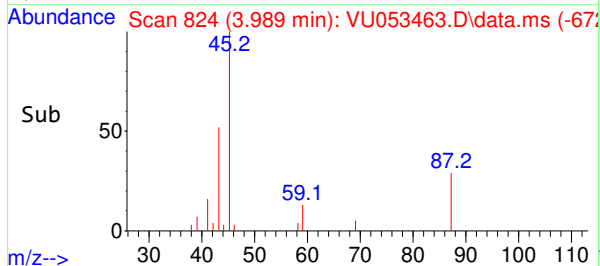
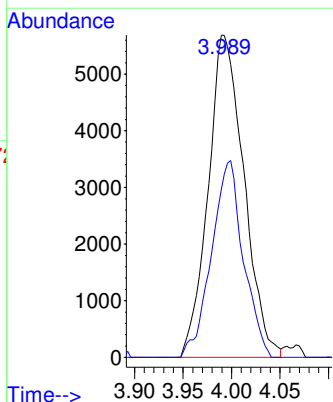
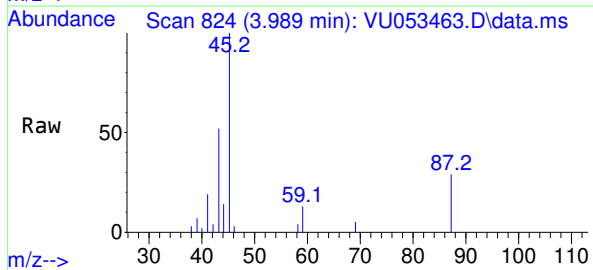




#31  
Isopropyl Ether  
Concen: 0.48 ug/l  
RT: 3.989 min Scan# 827  
Delta R.T. -0.010 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

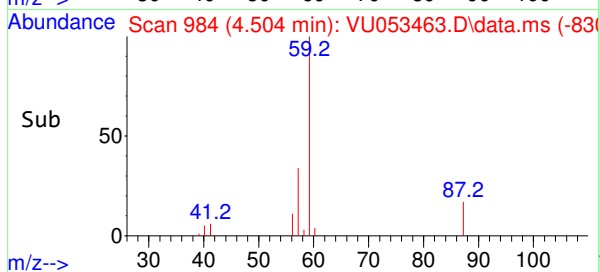
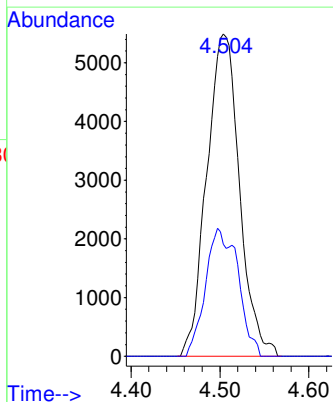
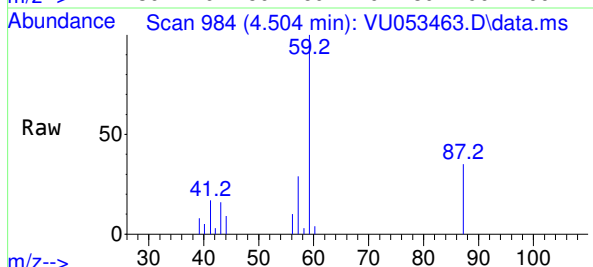
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

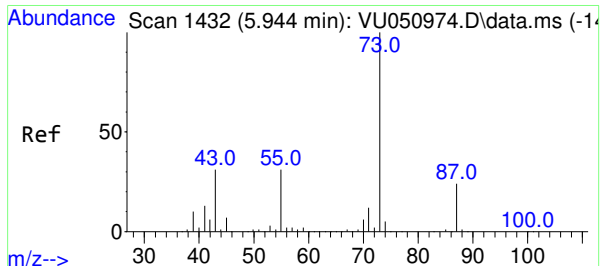
Tgt Ion: 45 Resp: 14587  
Ion Ratio Lower Upper  
45 100  
43 54.2 27.5 82.5



#32  
Ethyl-t-butyl ether  
Concen: 0.45 ug/l  
RT: 4.504 min Scan# 984  
Delta R.T. -0.003 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

Tgt Ion: 59 Resp: 14062  
Ion Ratio Lower Upper  
59 100  
87 24.6 33.5 50.3

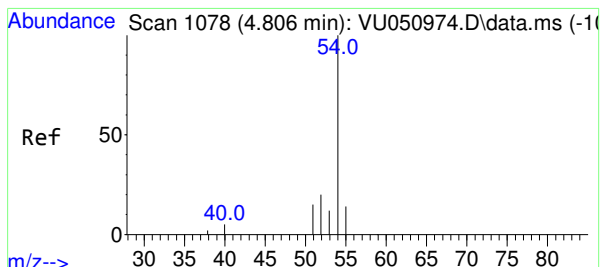
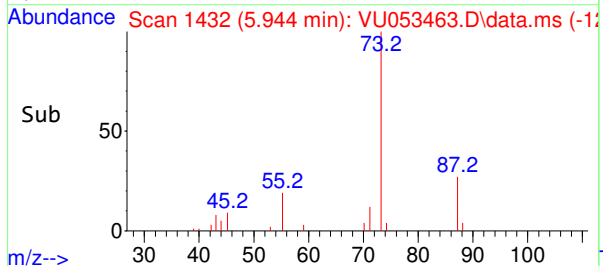
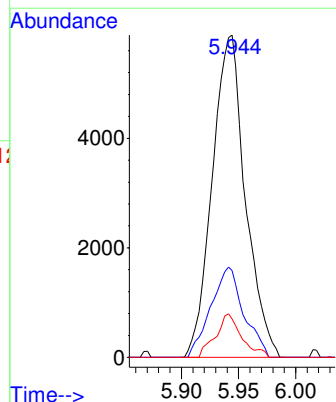
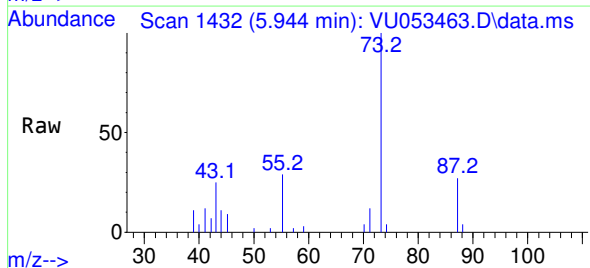




#33  
Tert-Amyl methyl ether  
Concen: 0.43 ug/l  
RT: 5.944 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

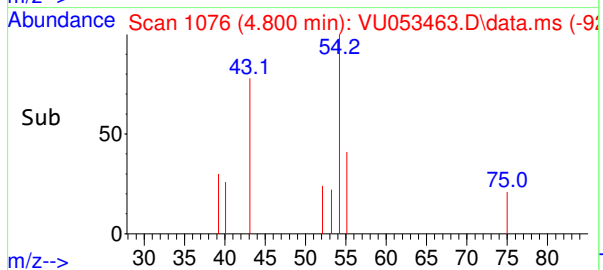
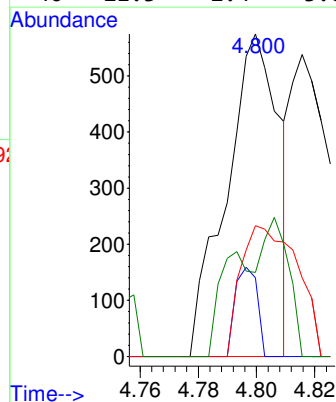
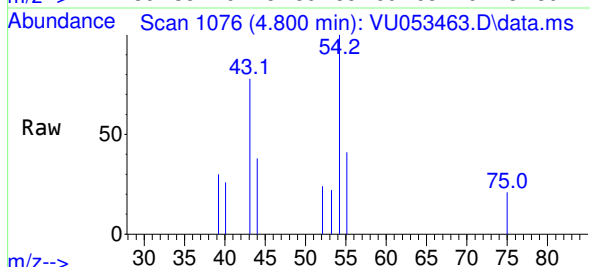
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC0.5

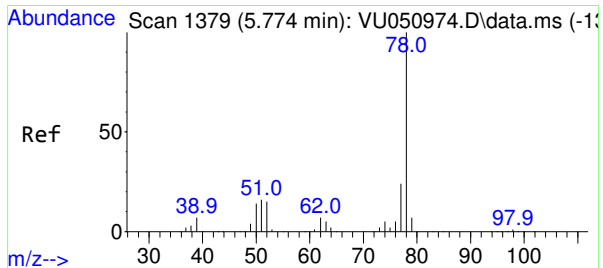
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 73    | Resp: | 11888 |
| Ion      | Ratio | Lower | Upper |
| 73       | 100   |       |       |
| 87       | 27.9  | 18.6  | 28.0  |
| 71       | 10.6  | 9.9   | 14.9  |



#34  
Propionitrile  
Concen: 1.93 ug/l  
RT: 4.800 min Scan# 1076  
Delta R.T. -0.006 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 54    | Resp: | 717    |
| Ion      | Ratio | Lower | Upper  |
| 54       | 100   |       |        |
| 52       | 11.6  | 17.4  | 26.0#  |
| 55       | 43.8  | 104.1 | 156.1# |
| 40       | 21.3  | 2.4   | 3.6#   |

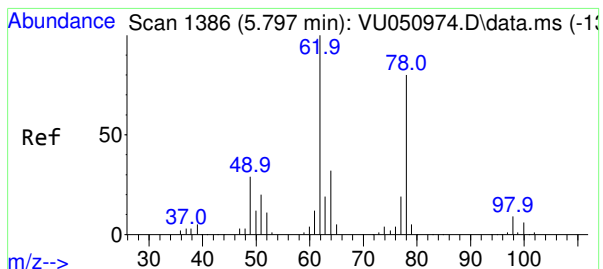
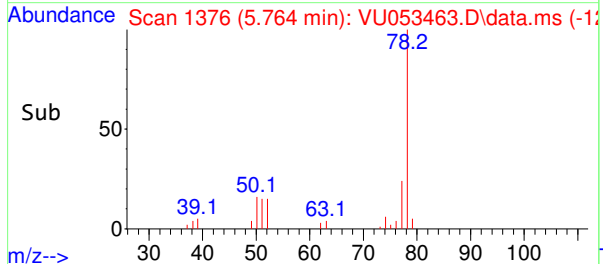
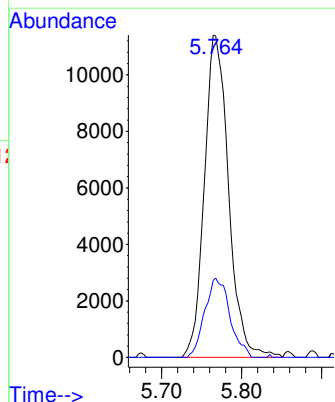
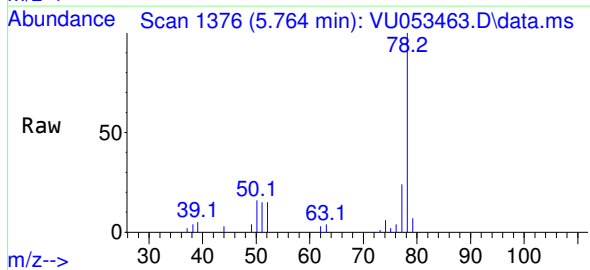




#35  
Benzene  
Concen: 0.48 ug/l  
RT: 5.764 min Scan# 1  
Delta R.T. -0.010 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

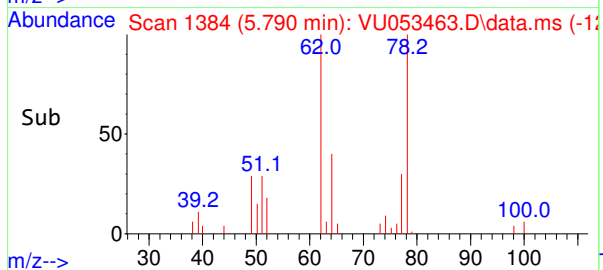
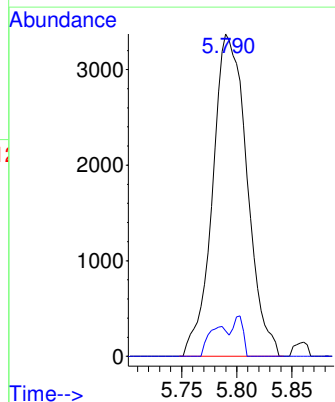
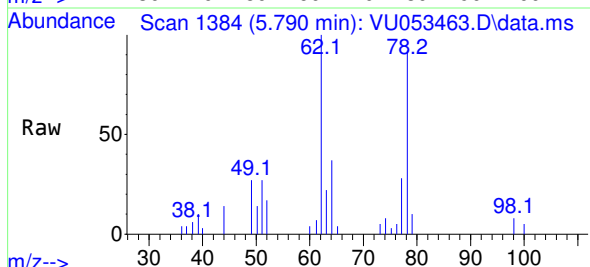
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC0.5

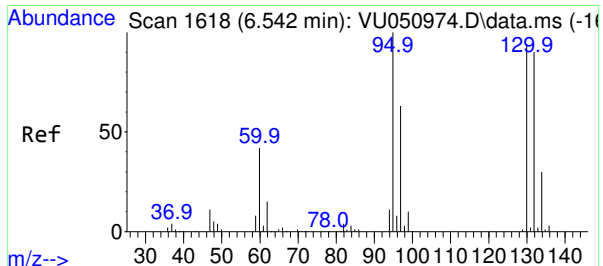
Tgt Ion: 78 Resp: 24041  
Ion Ratio Lower Upper  
78 100  
77 23.9 18.9 28.3



#36  
1,2-Dichloroethane  
Concen: 0.51 ug/l  
RT: 5.790 min Scan# 1384  
Delta R.T. -0.007 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

Tgt Ion: 62 Resp: 7282  
Ion Ratio Lower Upper  
62 100  
98 5.4 7.3 10.9#

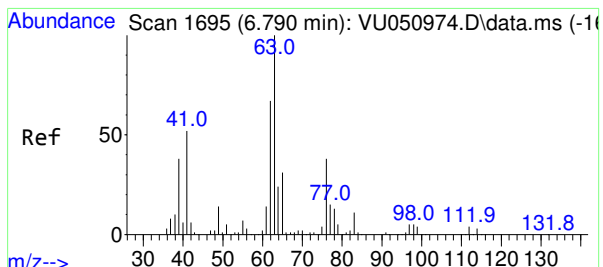
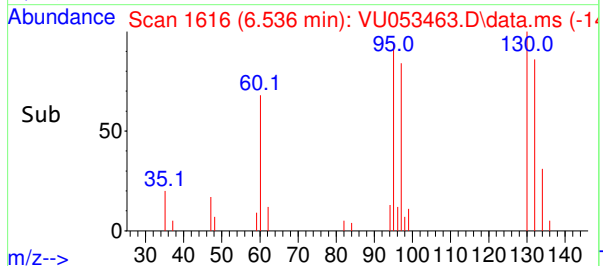
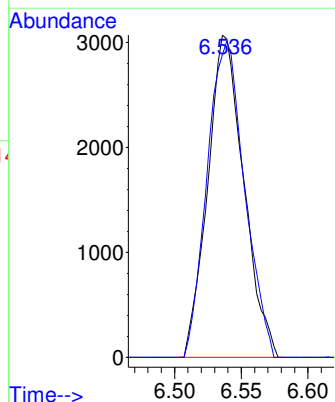
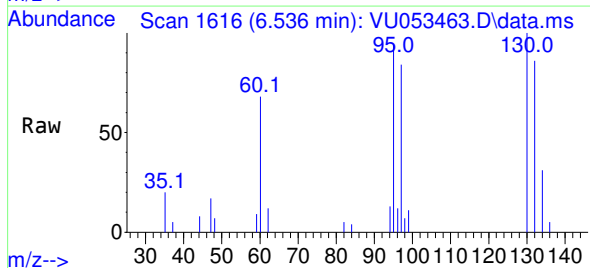




#37  
Trichloroethene  
Concen: 0.46 ug/l  
RT: 6.536 min Scan# 1  
Delta R.T. -0.007 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

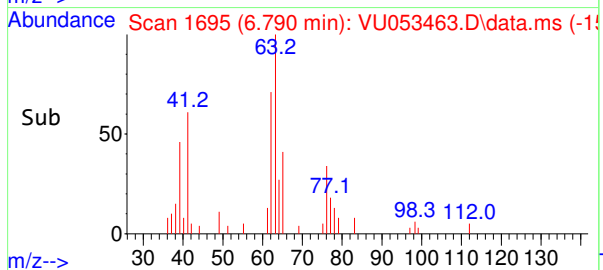
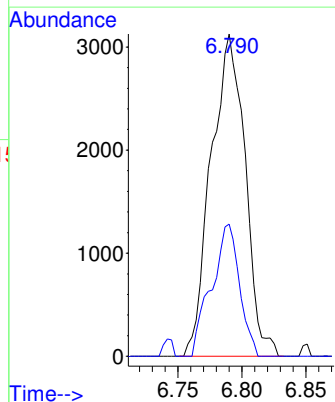
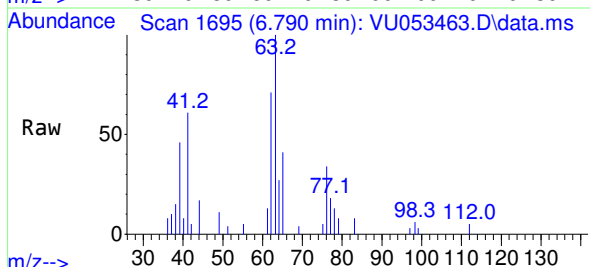
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

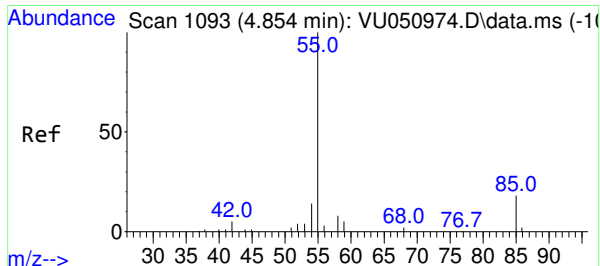
Tgt Ion:130 Resp: 5756  
Ion Ratio Lower Upper  
130 100  
95 93.9 85.0 127.6



#38  
1,2-Dichloropropane  
Concen: 0.46 ug/l  
RT: 6.790 min Scan# 1695  
Delta R.T. -0.000 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

Tgt Ion: 63 Resp: 5791  
Ion Ratio Lower Upper  
63 100  
65 41.0 24.9 37.3#

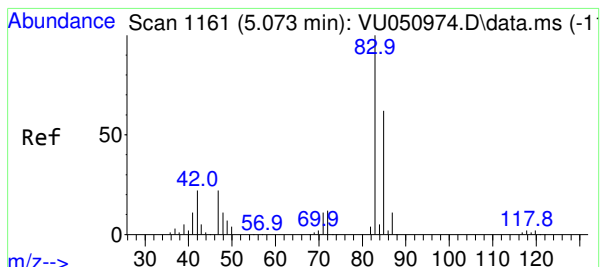
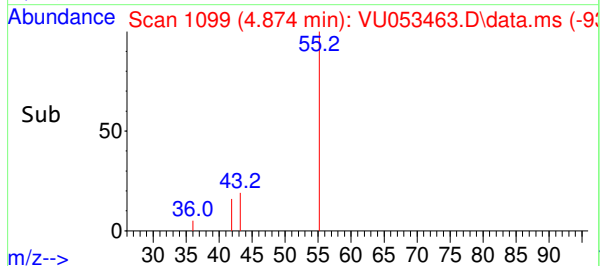
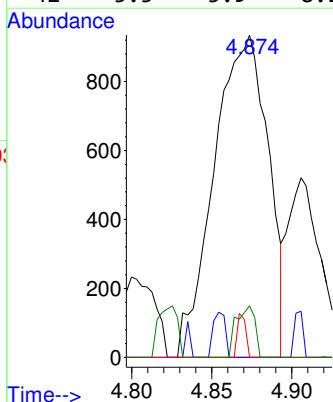
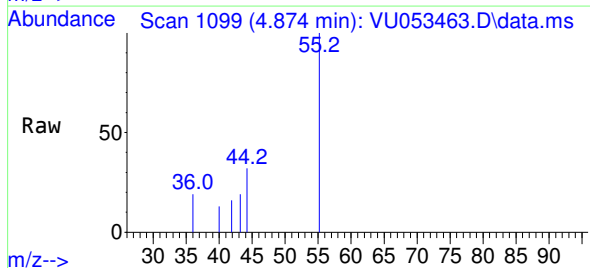




#40  
Methyl acrylate  
Concen: 0.41 ug/l  
RT: 4.874 min Scan# 1  
Delta R.T. 0.019 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

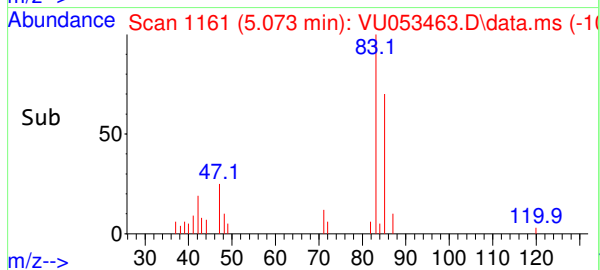
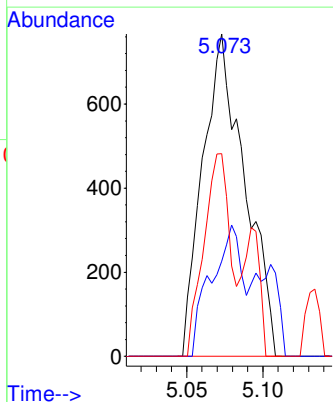
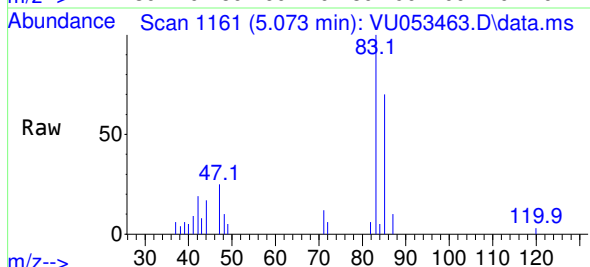
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC0.5

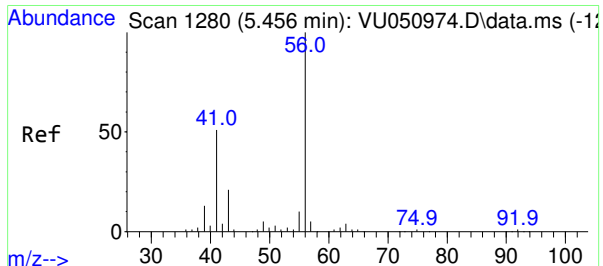
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 55    | Resp: | 2190  |
| Ion      | Ratio | Lower | Upper |
| 55       | 100   |       |       |
| 85       | 0.0   | 13.3  | 19.9# |
| 58       | 2.1   | 6.5   | 9.7#  |
| 42       | 5.5   | 5.9   | 8.9#  |



#41  
Tetrahydrofuran  
Concen: 0.91 ug/l  
RT: 5.073 min Scan# 1161  
Delta R.T. -0.000 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 1469  |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 29.8  | 40.9  | 61.3# |
| 71       | 39.1  | 36.9  | 55.3  |

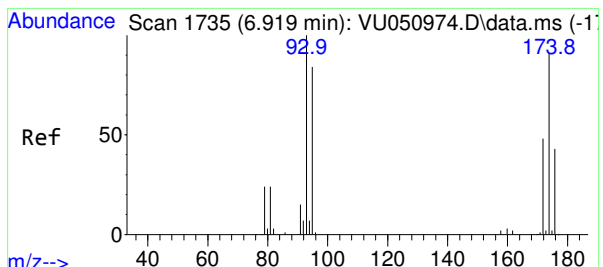
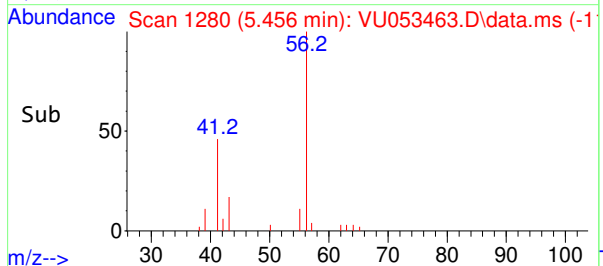
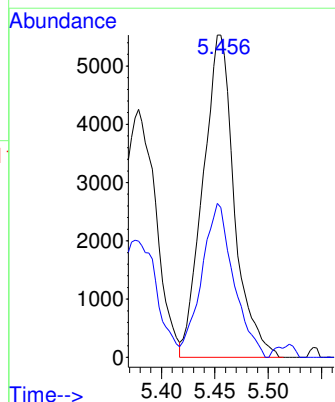
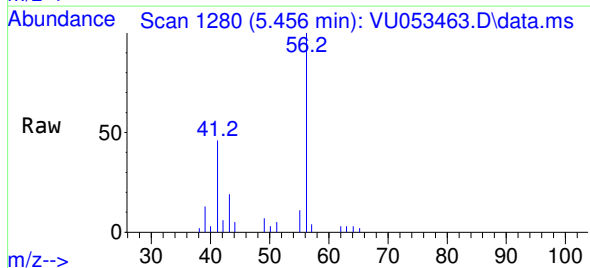




#42  
1-Chlorobutane  
Concen: 0.50 ug/l  
RT: 5.456 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

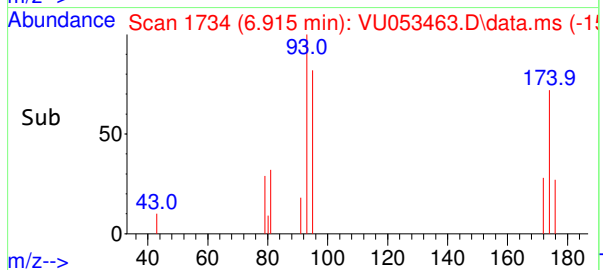
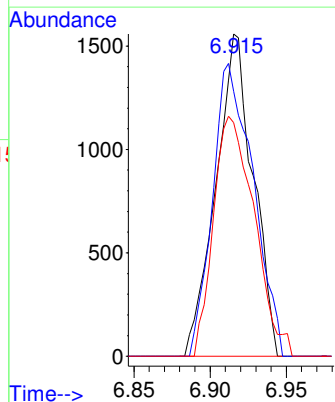
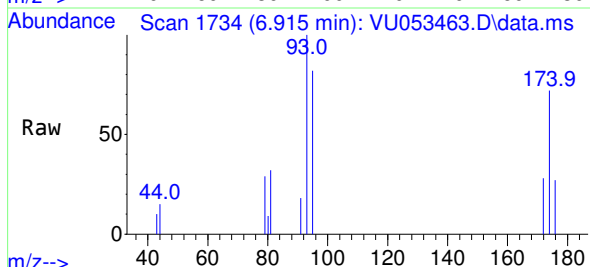
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC0.5

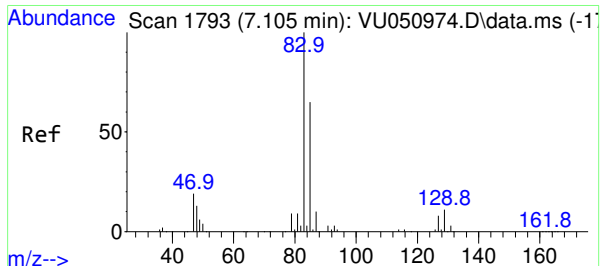
Tgt Ion: 56 Resp: 11295  
Ion Ratio Lower Upper  
56 100  
41 48.7 25.2 75.6



#43  
Dibromomethane  
Concen: 0.44 ug/l  
RT: 6.915 min Scan# 1734  
Delta R.T. -0.003 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

Tgt Ion: 93 Resp: 2649  
Ion Ratio Lower Upper  
93 100  
95 98.9 67.0 100.6  
174 81.5 73.8 110.6

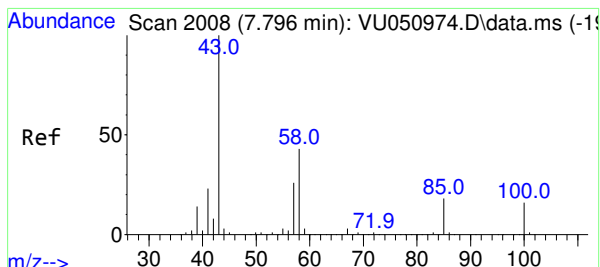
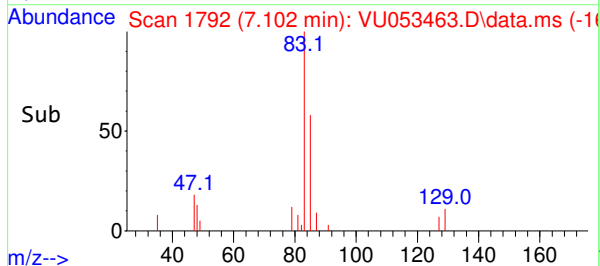
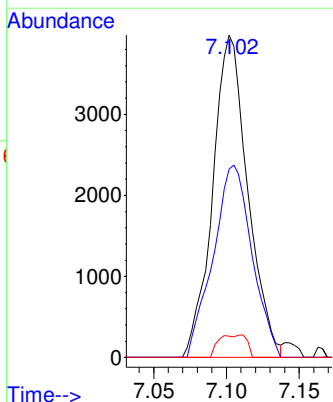
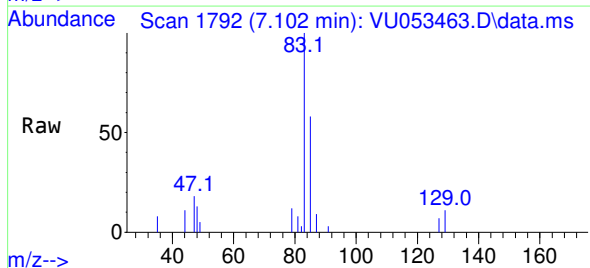




#44  
Bromodichloromethane  
Concen: 0.44 ug/l  
RT: 7.102 min Scan# 1  
Delta R.T. -0.003 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

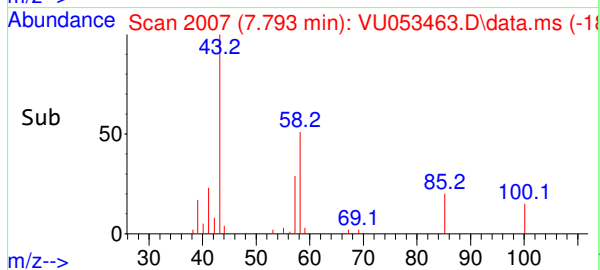
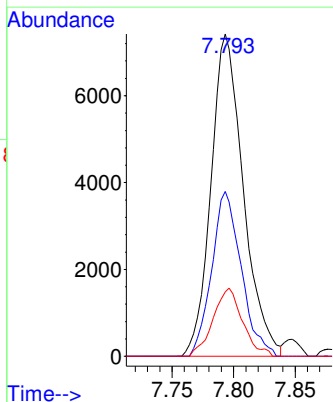
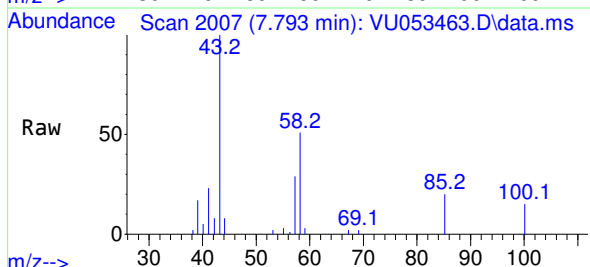
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC0.5

Tgt Ion: 83 Resp: 6684  
Ion Ratio Lower Upper  
83 100  
85 58.3 51.9 77.9  
127 6.6 6.7 10.1#



#45  
4-Methyl-2-Pentanone  
Concen: 2.16 ug/l  
RT: 7.793 min Scan# 2007  
Delta R.T. -0.003 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

Tgt Ion: 43 Resp: 13550  
Ion Ratio Lower Upper  
43 100  
58 46.6 20.9 62.8  
85 19.3 14.6 21.8



Abundance Scan 2953 (10.835 min): VU050974.D\data.ms (-1

#46

t-1,4-Dichloro-2-butene

Concen: 1.63 ug/l

RT: 10.819 min Scan# 2

Delta R.T. -0.016 min

Lab File: VU053463.D

Acq: 29 Mar 2023 13:53

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC0.5

Tgt Ion: 75 Resp: 5570

Ion Ratio Lower Upper

75 100

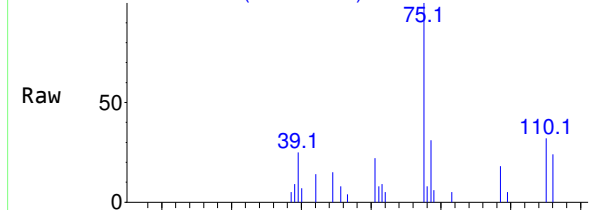
53 35.4 73.3 109.9#

89 19.1 48.2 72.4#

88 9.9 36.4 54.6#

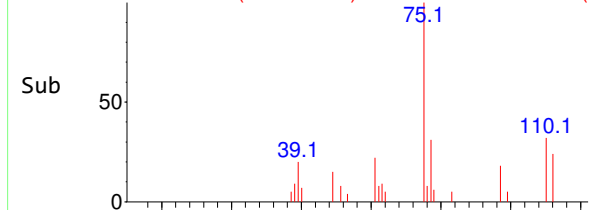
m/z-->

Abundance Scan 2948 (10.819 min): VU053463.D\data.ms (-1



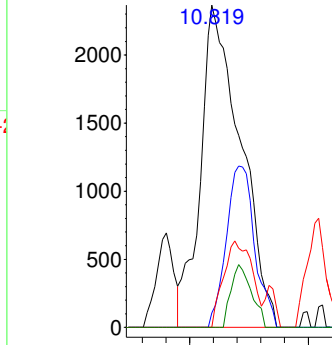
m/z-->

Abundance Scan 2948 (10.819 min): VU053463.D\data.ms (-1



m/z-->

Abundance



Time-->

Abundance Scan 1749 (6.964 min): VU050974.D\data.ms (-1

#47

Methyl methacrylate

Concen: 0.94 ug/l

RT: 6.964 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VU053463.D

Acq: 29 Mar 2023 13:53

Tgt Ion: 69 Resp: 5230

Ion Ratio Lower Upper

69 100

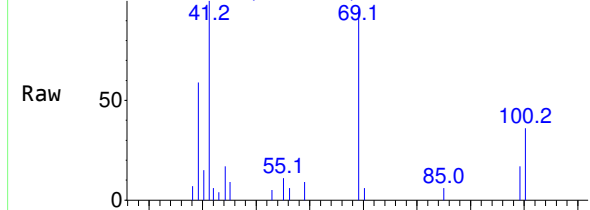
41 100.1 0.0 209.2

39 62.4 46.7 70.1

100 30.6 27.4 41.2

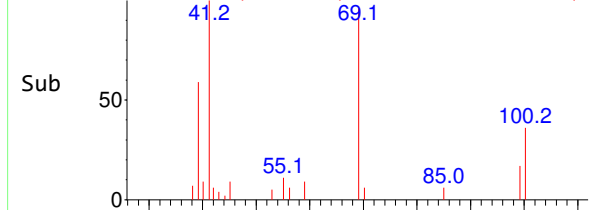
m/z-->

Abundance Scan 1749 (6.964 min): VU053463.D\data.ms (-1



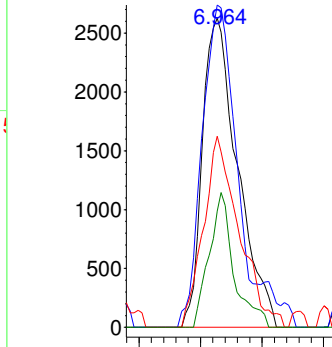
m/z-->

Abundance Scan 1749 (6.964 min): VU053463.D\data.ms (-1

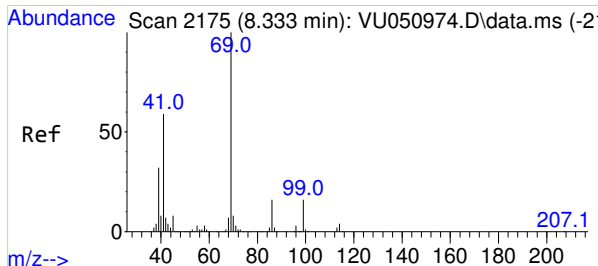


m/z-->

Abundance



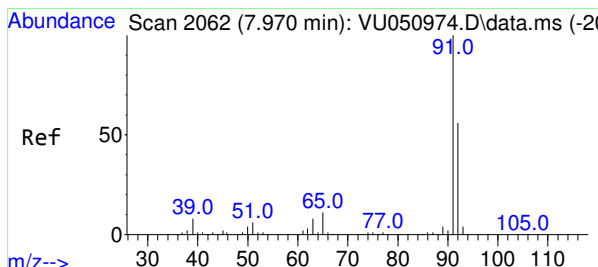
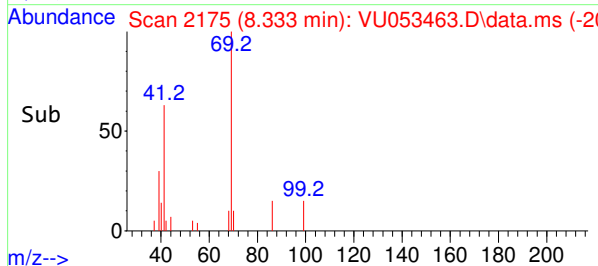
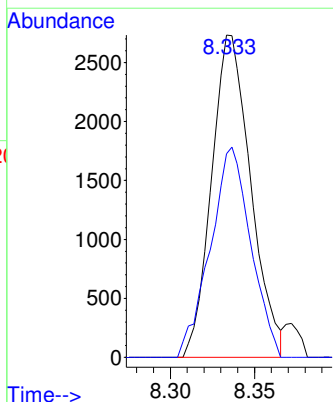
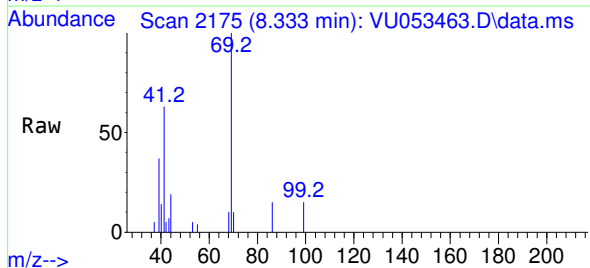
Time-->



#48  
Ethyl methacrylate  
Concen: 0.41 ug/l  
RT: 8.333 min Scan# 2175  
Delta R.T. 0.000 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

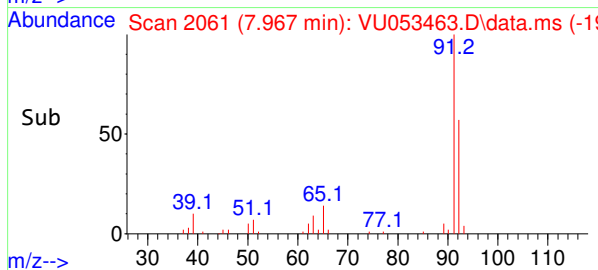
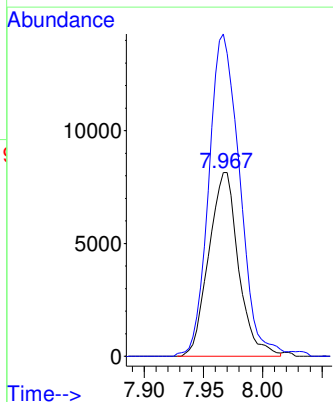
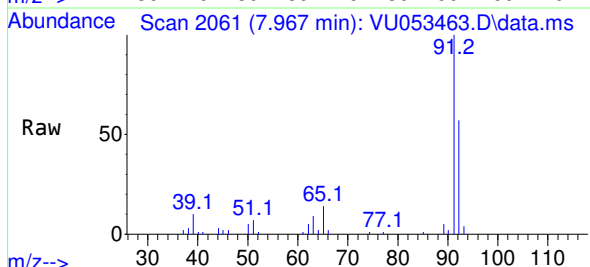
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

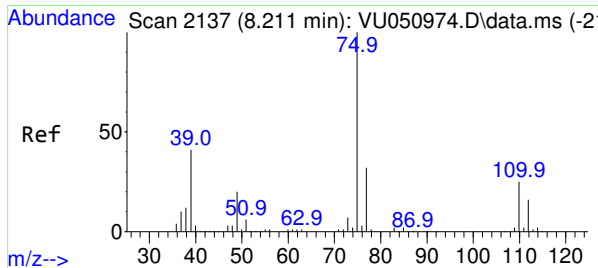
Tgt Ion: 69 Resp: 4433  
Ion Ratio Lower Upper  
69 100  
41 67.2 30.3 90.8



#49  
Toluene  
Concen: 0.47 ug/l  
RT: 7.967 min Scan# 2061  
Delta R.T. -0.003 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

Tgt Ion: 92 Resp: 14230  
Ion Ratio Lower Upper  
92 100  
91 182.1 143.0 214.6

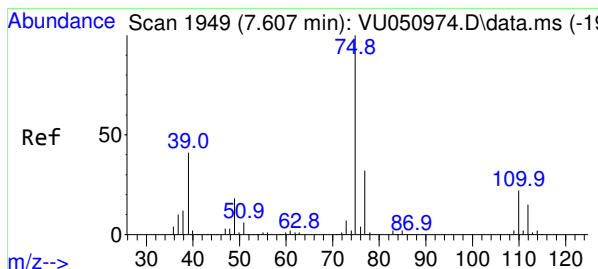
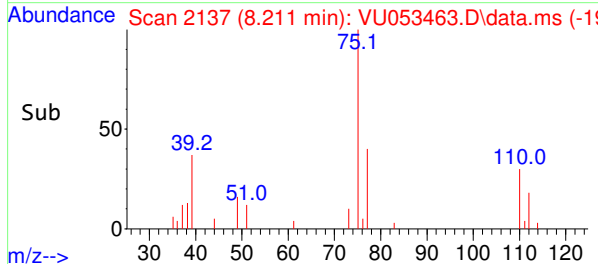
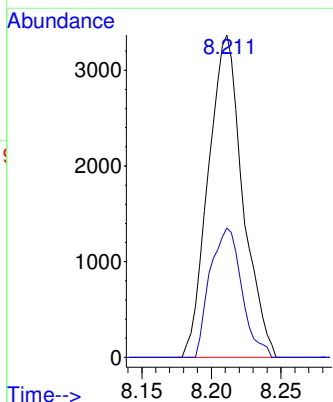
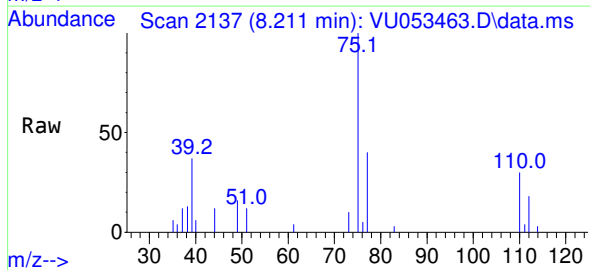




#50  
t-1,3-Dichloropropene  
Concen: 0.41 ug/l  
RT: 8.211 min Scan# 2137  
Delta R.T. -0.000 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

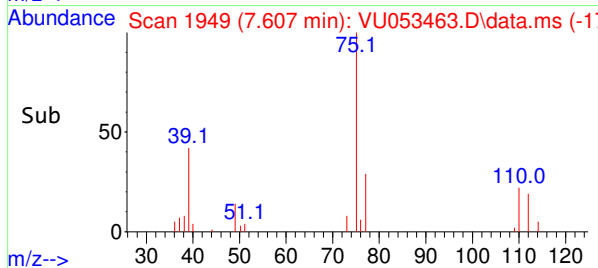
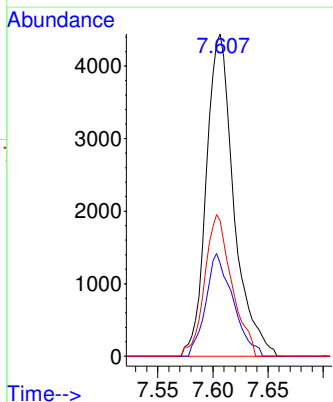
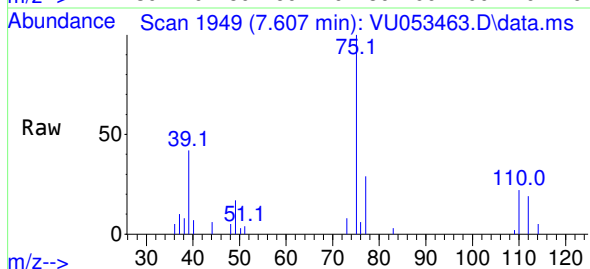
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

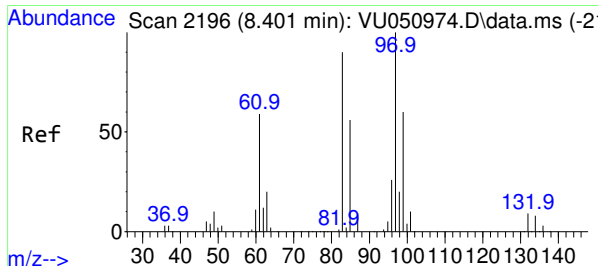
Tgt Ion: 75 Resp: 5786  
Ion Ratio Lower Upper  
75 100  
77 40.1 25.3 37.9#



#51  
cis-1,3-Dichloropropene  
Concen: 0.44 ug/l  
RT: 7.607 min Scan# 1949  
Delta R.T. -0.000 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

Tgt Ion: 75 Resp: 7714  
Ion Ratio Lower Upper  
75 100  
77 28.8 25.7 38.5  
39 42.1 32.8 49.2

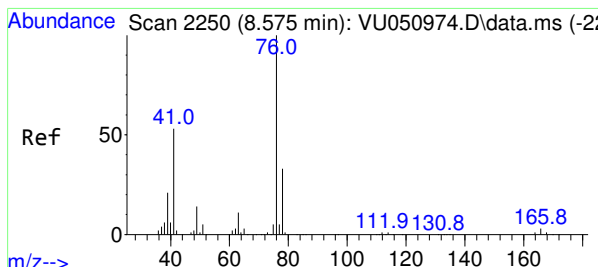
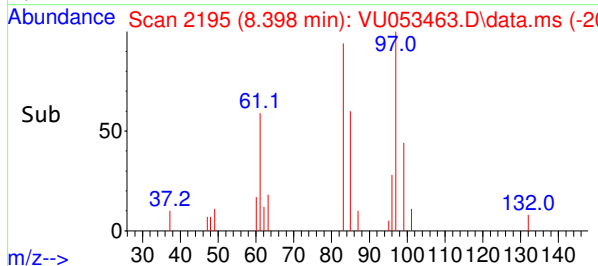
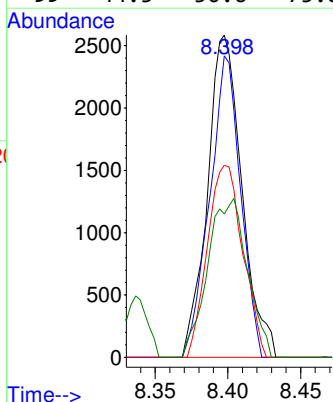
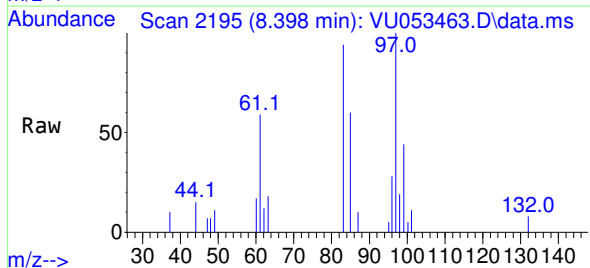




#52  
1,1,2-Trichloroethane  
Concen: 0.48 ug/l  
RT: 8.398 min Scan# 2195  
Delta R.T. -0.003 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

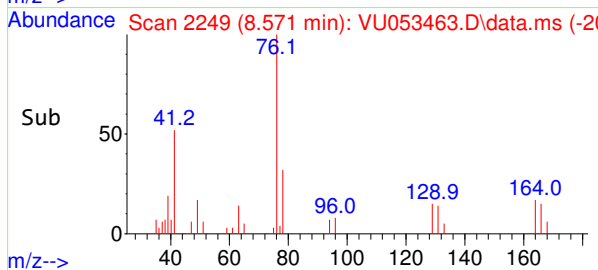
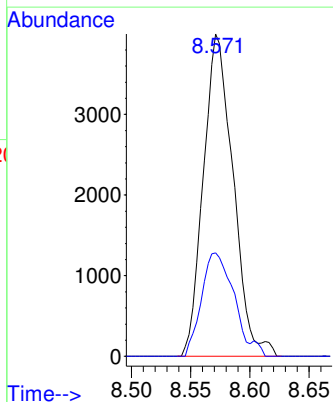
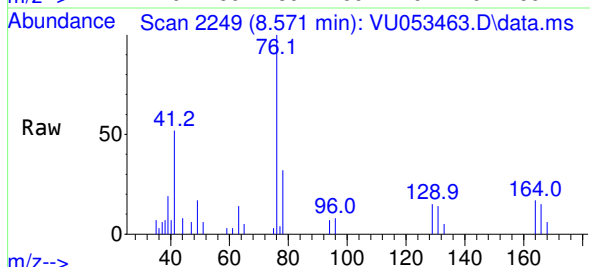
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

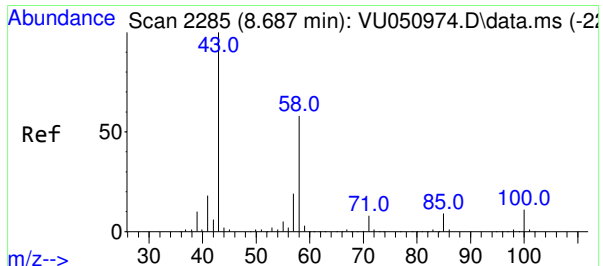
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 4253  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 93.5  | 71.8  | 107.8 |
| 85       | 59.6  | 45.2  | 67.8  |
| 99       | 44.5  | 50.6  | 75.8  |



#53  
1,3-Dichloropropane  
Concen: 0.46 ug/l  
RT: 8.571 min Scan# 2249  
Delta R.T. -0.003 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 76    | Resp: | 6979  |
| Ion      | Ratio | Lower | Upper |
| 76       | 100   |       |       |
| 78       | 35.4  | 25.9  | 38.9  |

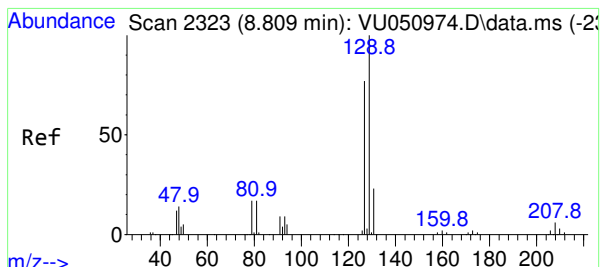
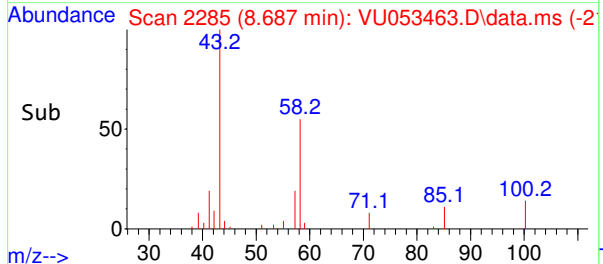
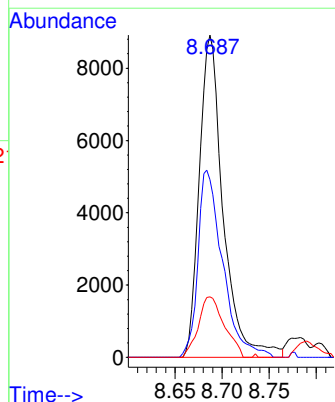
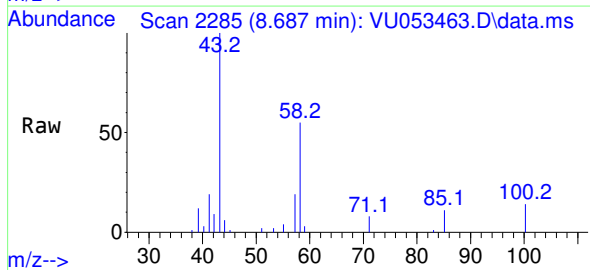




#54  
2-Hexanone  
Concen: 2.38 ug/l  
RT: 8.687 min Scan# 2285  
Delta R.T. -0.000 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

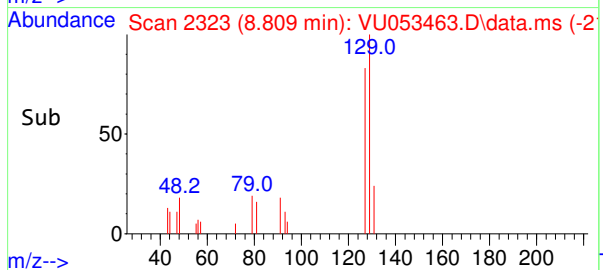
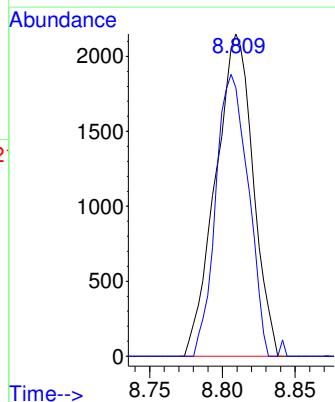
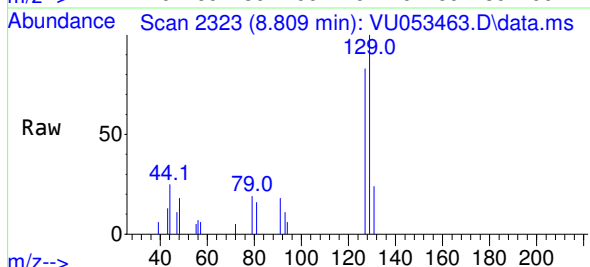
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC0.5

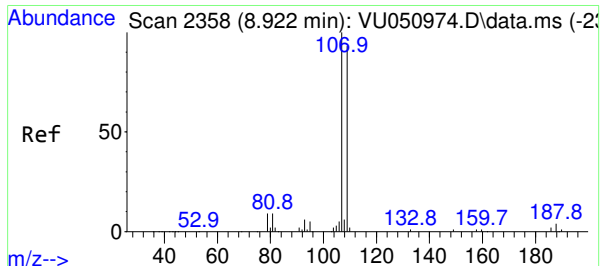
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 15661 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 60.4  | 38.2  | 78.2  |
| 57       | 20.5  | 0.0   | 39.1  |



#55  
Dibromochloromethane  
Concen: 0.43 ug/l  
RT: 8.809 min Scan# 2323  
Delta R.T. 0.000 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 3852  |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 75.6  | 61.4  | 92.0  |

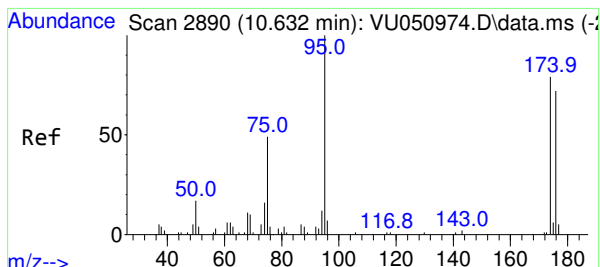
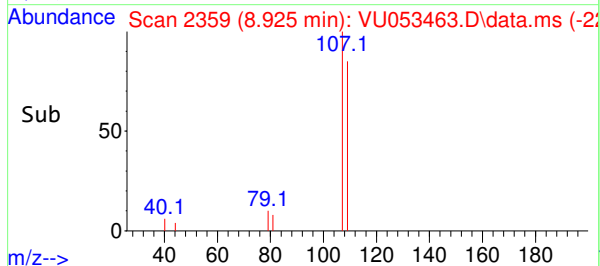
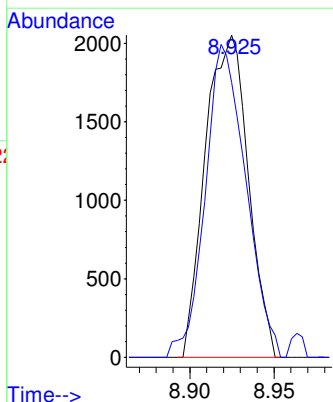
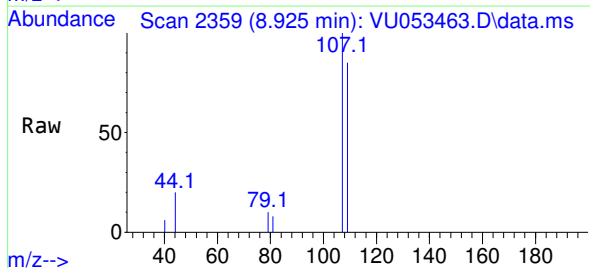




#56  
1,2-Dibromoethane  
Concen: 0.45 ug/l  
RT: 8.925 min Scan# 2  
Delta R.T. 0.003 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

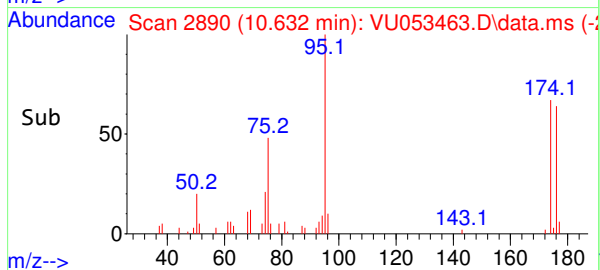
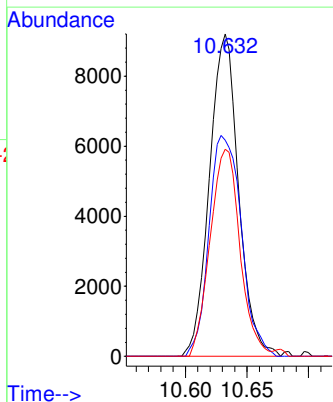
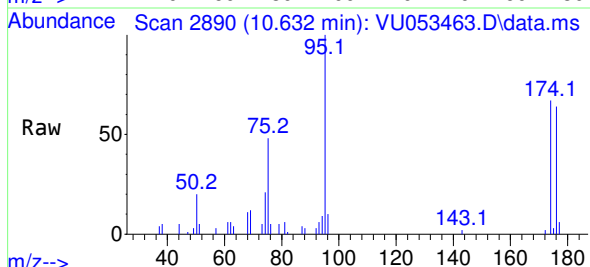
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

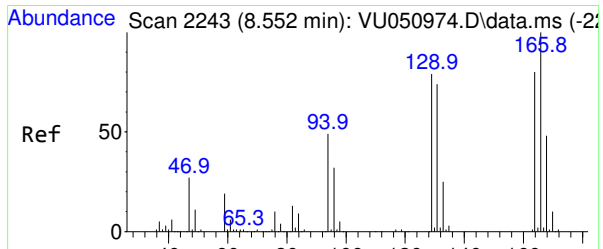
Tgt Ion: 107 Resp: 3637  
Ion Ratio Lower Upper  
107 100  
109 91.8 0.0 184.4



#57  
4-Bromofluorobenzene  
Concen: 0.95 ug/l  
RT: 10.632 min Scan# 2890  
Delta R.T. -0.000 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

Tgt Ion: 95 Resp: 15146  
Ion Ratio Lower Upper  
95 100  
174 76.1 63.3 94.9  
176 65.8 59.3 88.9

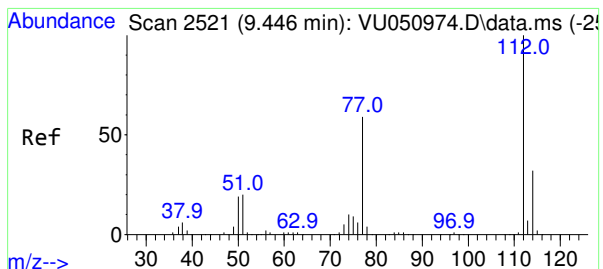
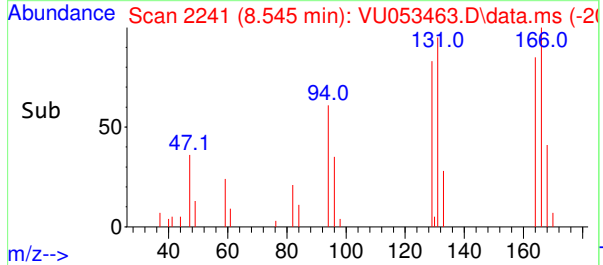
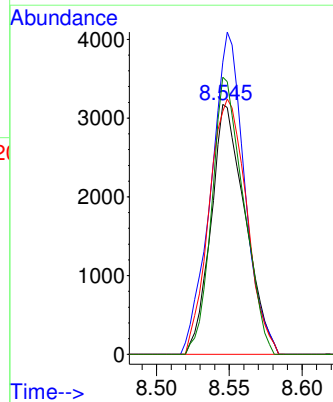
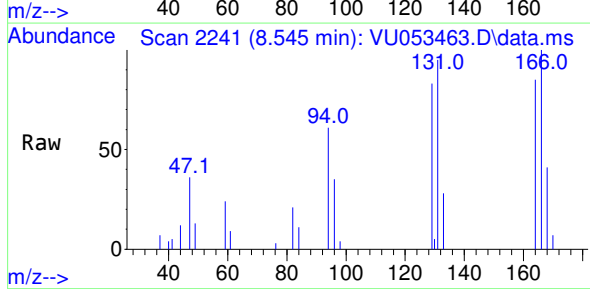




#58  
Tetrachloroethene  
Concen: 0.45 ug/l  
RT: 8.545 min Scan# 21  
Delta R.T. -0.007 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

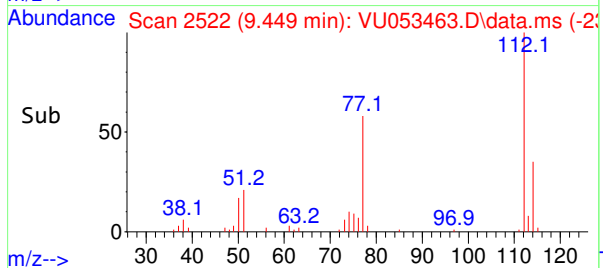
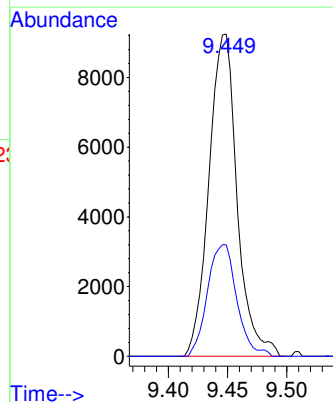
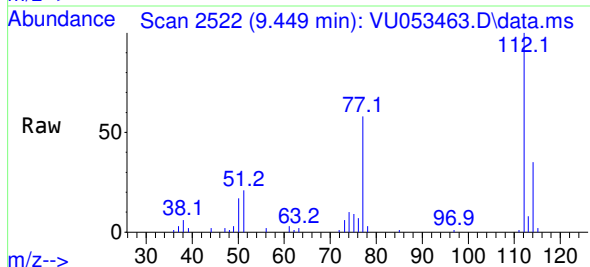
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

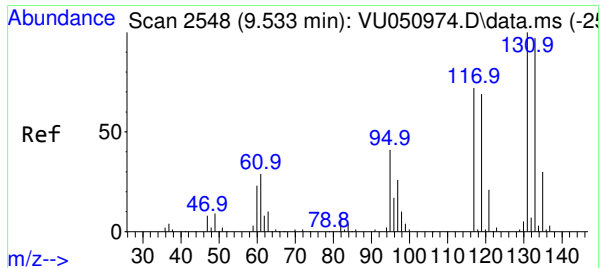
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 5192   |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 166      | 117.0 | 99.6  | 149.4  |
| 129      | 97.3  | 78.6  | 117.8  |
| 131      | 110.9 | 73.4  | 110.0# |



#59  
Chlorobenzene  
Concen: 0.46 ug/l  
RT: 9.449 min Scan# 2522  
Delta R.T. 0.003 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 15300 |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 114      | 34.5  | 25.6  | 38.4  |

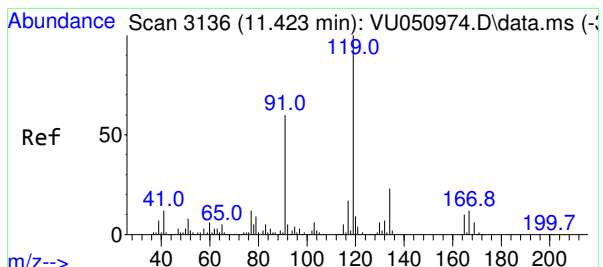
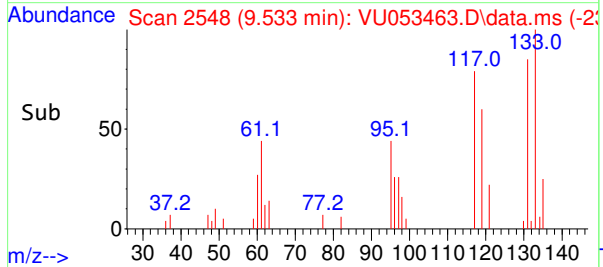
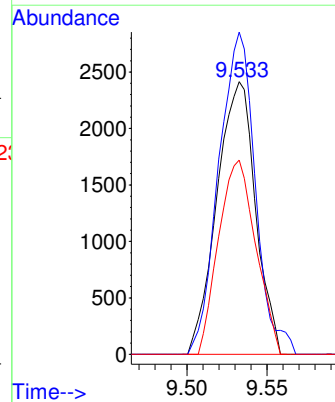
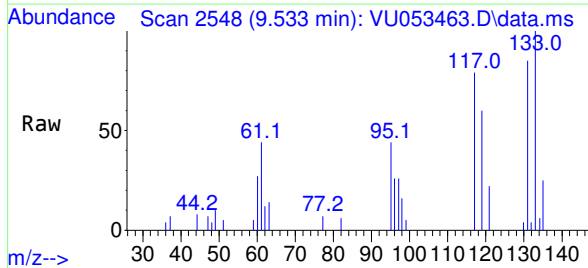




#60  
1,1,1,2-Tetrachloroethane  
Concen: 0.40 ug/l  
RT: 9.533 min Scan# 2  
Delta R.T. -0.000 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

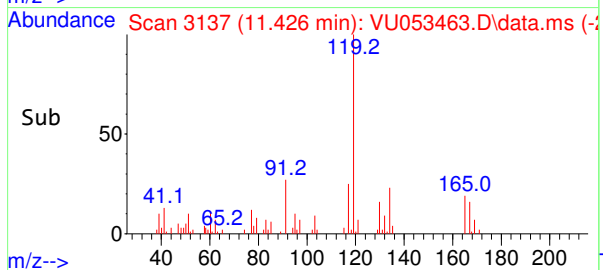
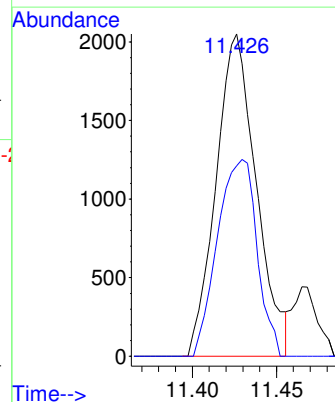
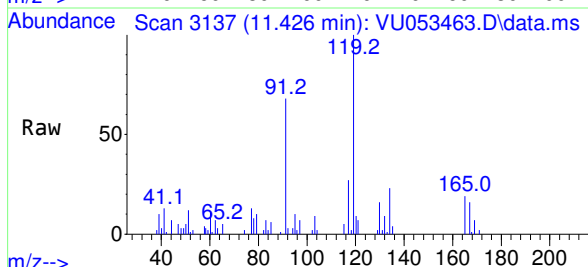
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

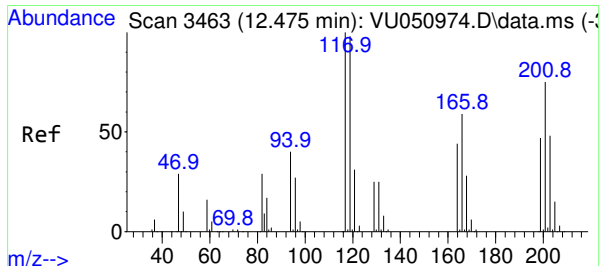
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 131   | Resp: | 4061  |
| Ion      | Ratio | Lower | Upper |
| 131      | 100   |       |       |
| 133      | 111.7 | 77.8  | 116.6 |
| 119      | 68.5  | 55.2  | 82.8  |



#61  
Pentachloroethane  
Concen: 0.48 ug/l  
RT: 11.426 min Scan# 3137  
Delta R.T. 0.003 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 3409  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 167      | 60.0  | 56.7  | 85.1  |

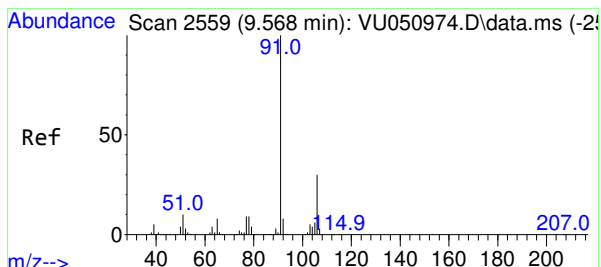
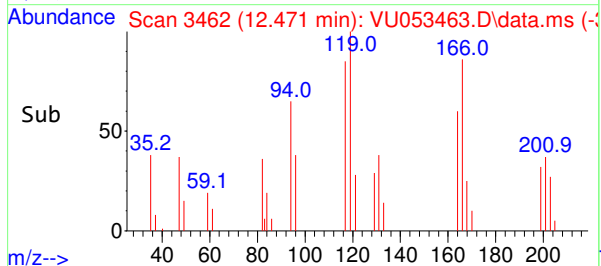
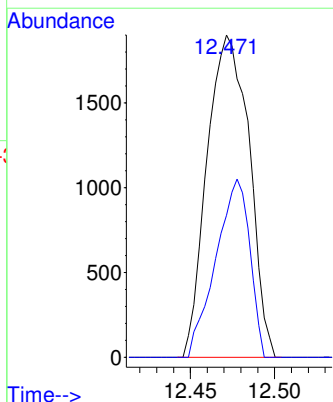
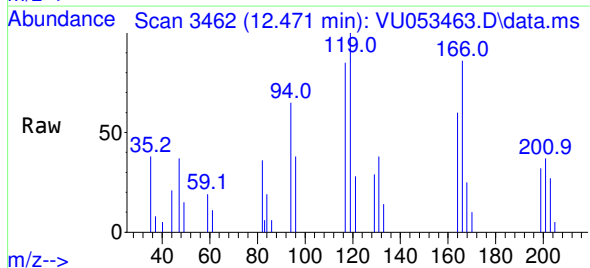




#62  
Hexachloroethane  
Concen: 0.70 ug/l  
RT: 12.471 min Scan# 3  
Delta R.T. -0.004 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

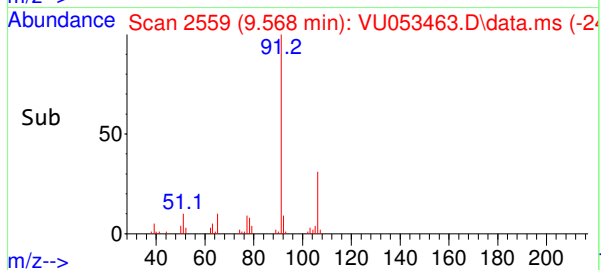
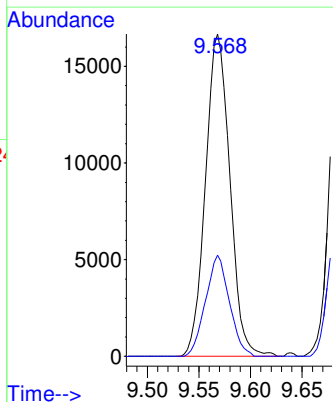
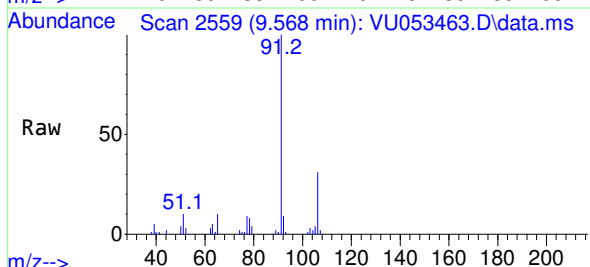
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

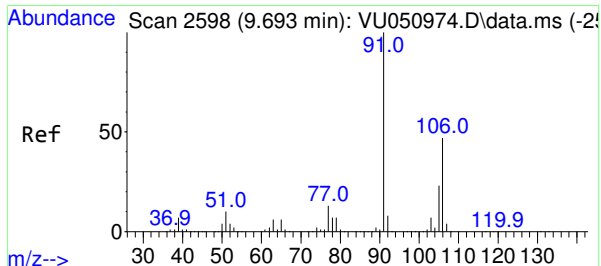
Tgt Ion: 117 Resp: 3302  
Ion Ratio Lower Upper  
117 100  
201 44.6 59.6 89.4#



#63  
Ethyl Benzene  
Concen: 0.47 ug/l  
RT: 9.568 min Scan# 2559  
Delta R.T. -0.000 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

Tgt Ion: 91 Resp: 27429  
Ion Ratio Lower Upper  
91 100  
106 31.4 24.2 36.2

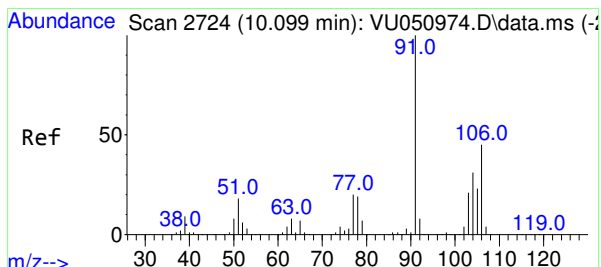
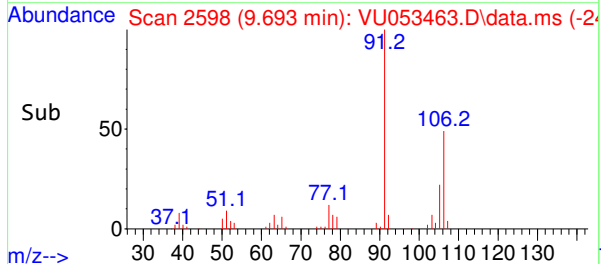
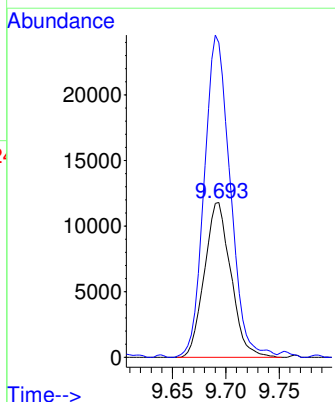
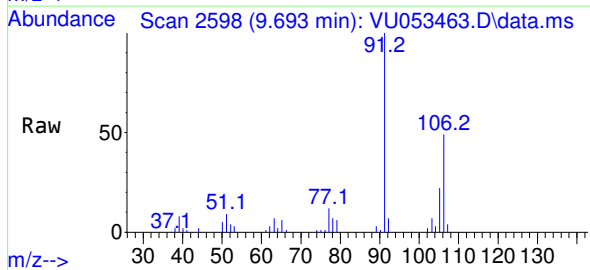




#64  
m/p-Xylenes  
Concen: 0.91 ug/l  
RT: 9.693 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

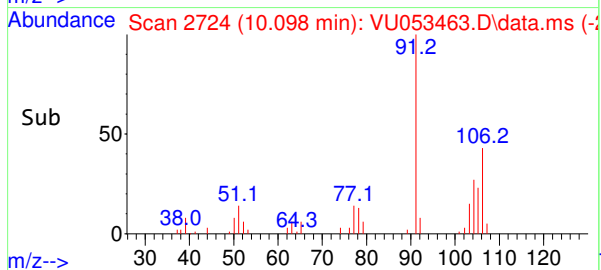
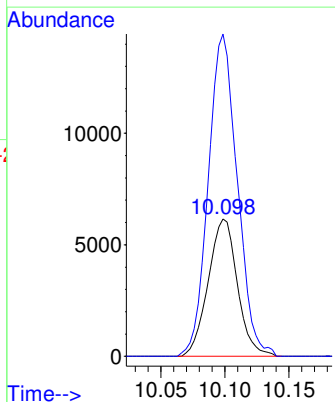
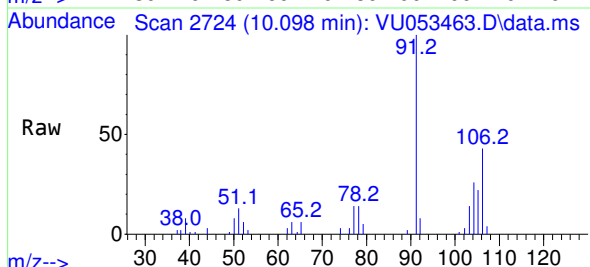
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC0.5

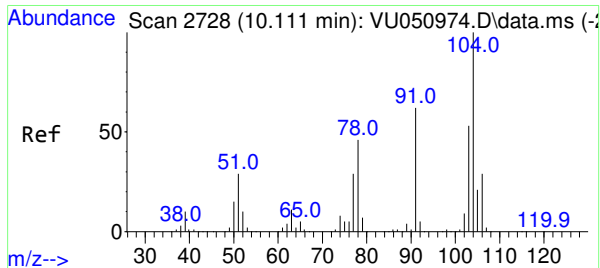
Tgt Ion:106 Resp: 20403  
Ion Ratio Lower Upper  
106 100  
91 204.3 167.3 250.9



#65  
o-Xylene  
Concen: 0.45 ug/l  
RT: 10.098 min Scan# 2724  
Delta R.T. -0.001 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

Tgt Ion:106 Resp: 9779  
Ion Ratio Lower Upper  
106 100  
91 233.1 109.3 327.9

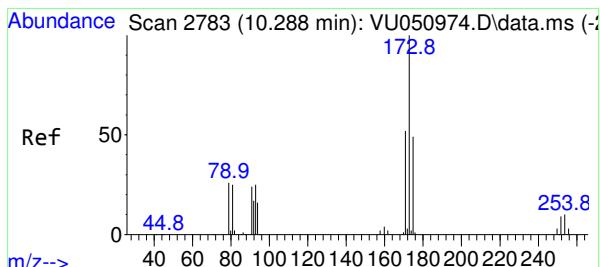
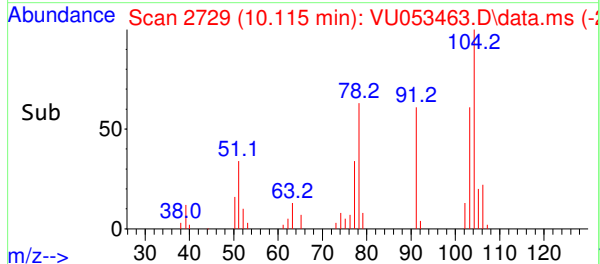
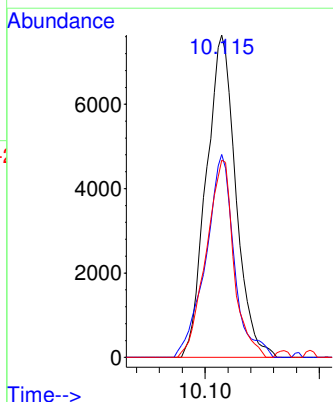
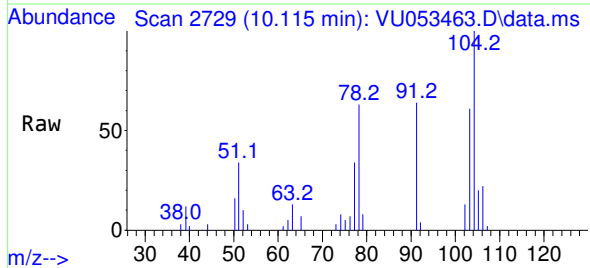




#66  
Styrene  
Concen: 0.41 ug/l  
RT: 10.115 min Scan# 2729  
Delta R.T. 0.004 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

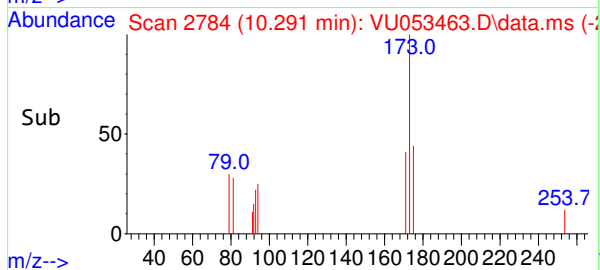
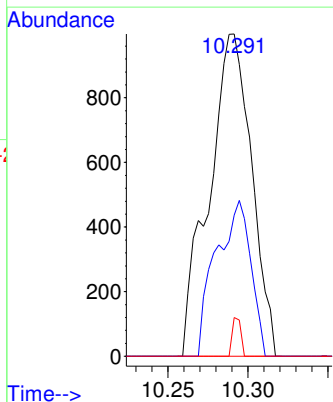
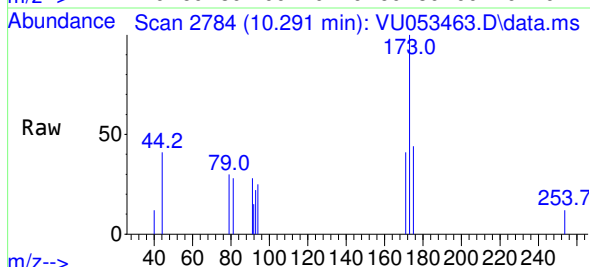
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

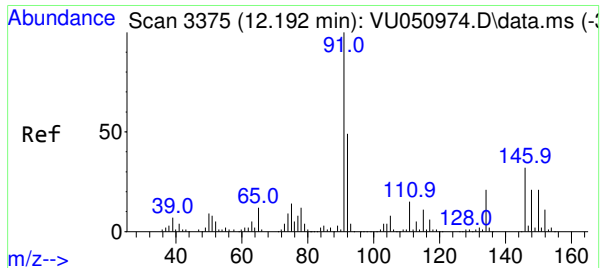
Tgt Ion:104 Resp: 13694  
Ion Ratio Lower Upper  
104 100  
78 60.7 39.7 59.5#  
103 57.4 44.8 67.2



#67  
Bromoform  
Concen: 0.71 ug/l  
RT: 10.291 min Scan# 2784  
Delta R.T. 0.003 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

Tgt Ion:173 Resp: 1843  
Ion Ratio Lower Upper  
173 100  
175 39.6 39.0 58.6  
254 2.4 7.4 11.0#

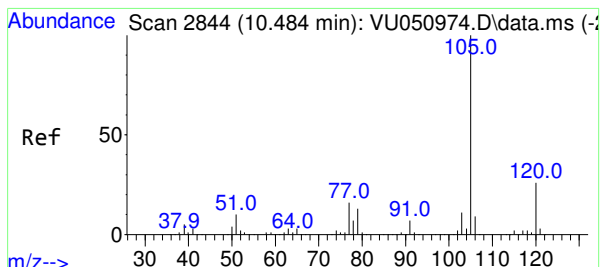
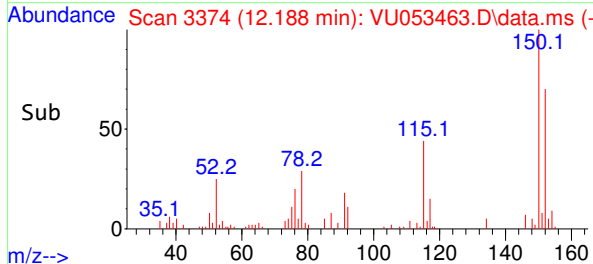
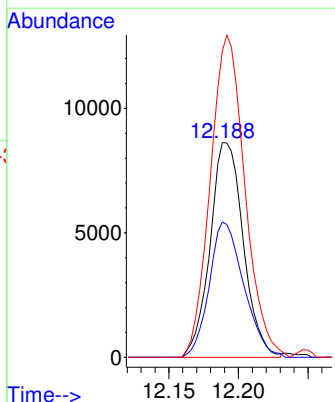
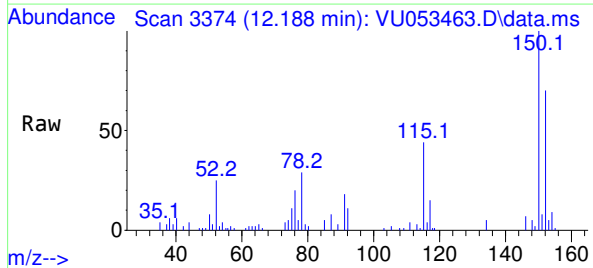




#68  
1,2-Dichlorobenzene-d4  
Concen: 0.90 ug/l  
RT: 12.188 min Scan# 3  
Delta R.T. -0.003 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

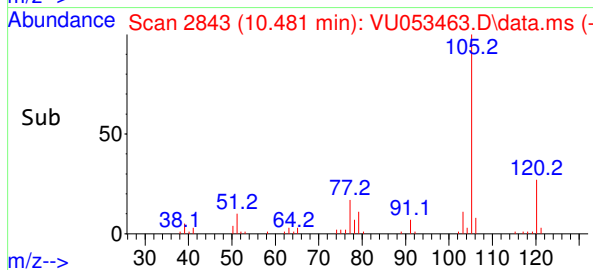
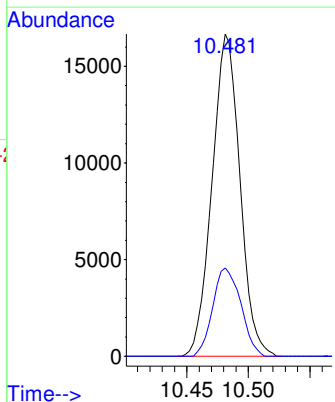
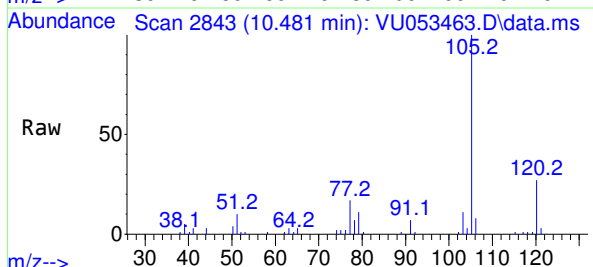
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

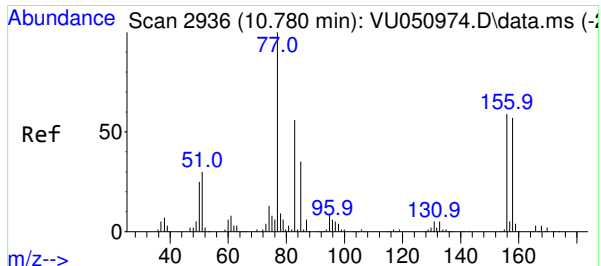
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 14306 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 65.3  | 0.0   | 308.8 |
| 150      | 155.9 | 0.0   | 635.0 |



#69  
Isopropylbenzene  
Concen: 0.46 ug/l  
RT: 10.481 min Scan# 2843  
Delta R.T. -0.003 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 26213 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 27.6  | 12.8  | 38.4  |

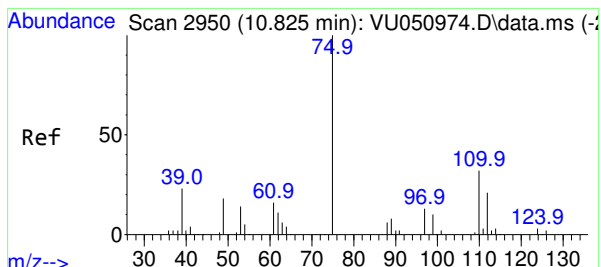
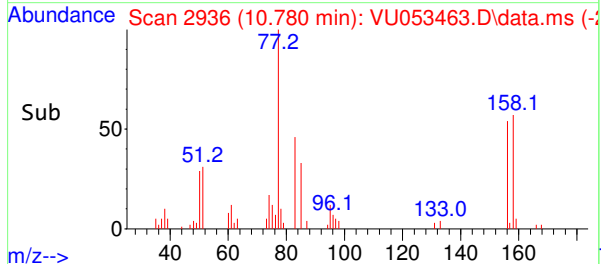
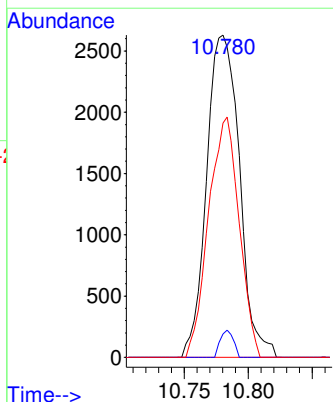
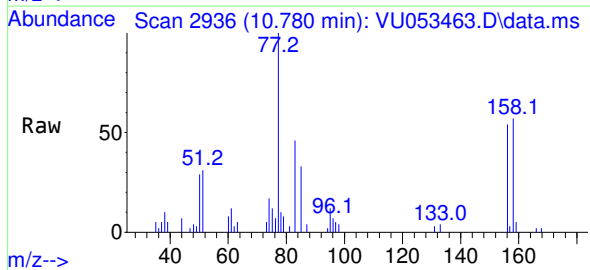




#70  
1,1,2,2-Tetrachloroethane  
Concen: 0.44 ug/l  
RT: 10.780 min Scan# 2  
Delta R.T. 0.000 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

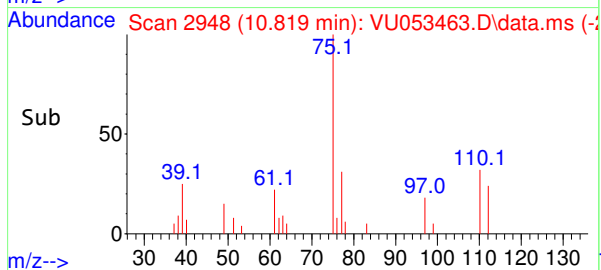
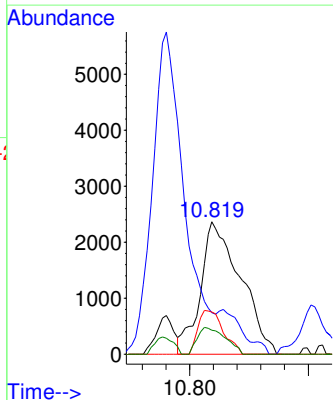
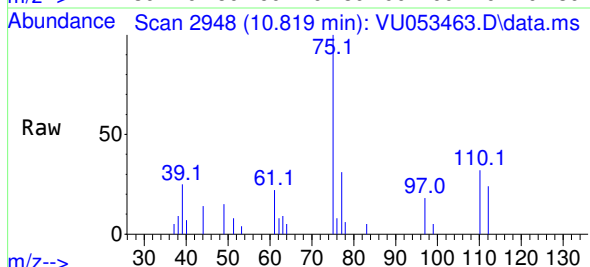
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

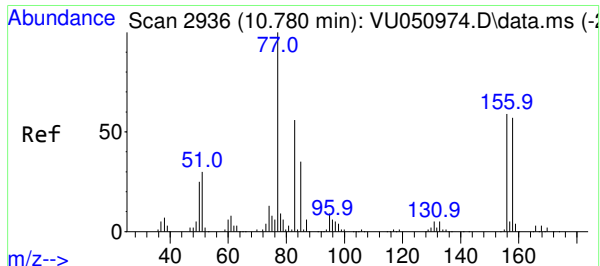
Tgt Ion: 83 Resp: 4698  
Ion Ratio Lower Upper  
83 100  
131 3.4 7.2 10.8#  
85 69.1 50.5 75.7



#71  
1,2,3-Trichloropropane  
Concen: 0.66 ug/l  
RT: 10.819 min Scan# 2948  
Delta R.T. -0.006 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

Tgt Ion: 75 Resp: 5570  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 116.4  
110 20.9 0.0 74.6  
97 14.1 0.0 40.0

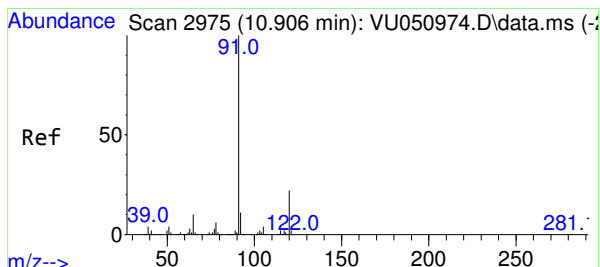
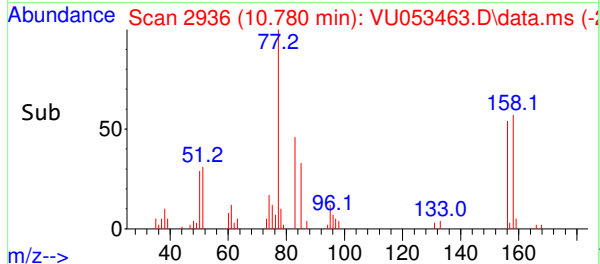
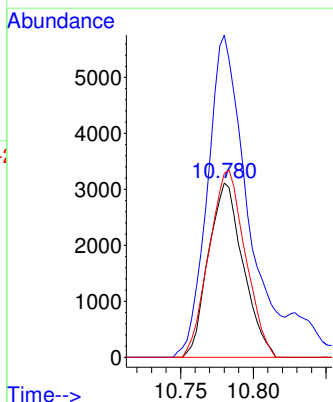
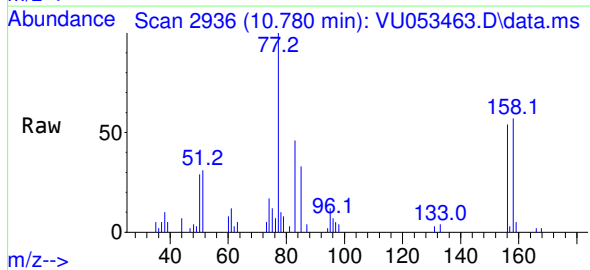




#72  
Bromobenzene  
Concen: 0.43 ug/l  
RT: 10.780 min Scan# 2936  
Delta R.T. -0.000 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

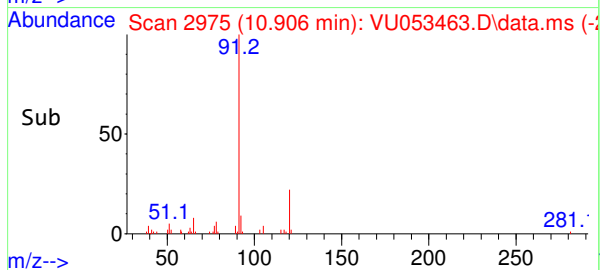
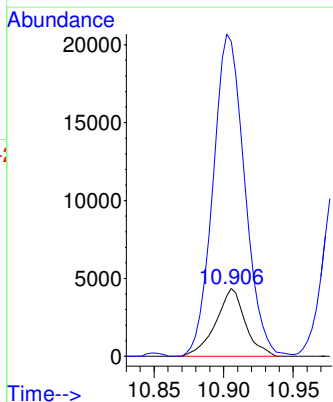
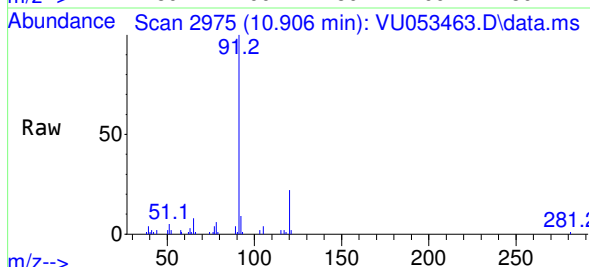
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

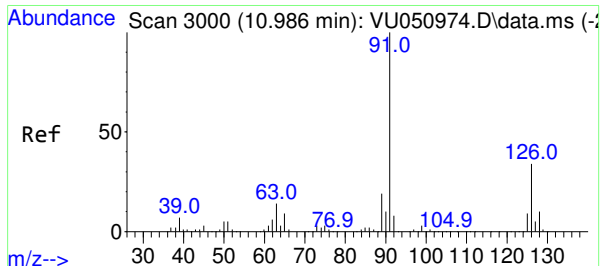
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 156   | Resp: | 5178  |
| Ion      | Ratio | Lower | Upper |
| 156      | 100   |       |       |
| 77       | 209.6 | 0.0   | 343.0 |
| 158      | 112.3 | 0.0   | 194.8 |



#73  
n-propylbenzene  
Concen: 0.42 ug/l  
RT: 10.906 min Scan# 2975  
Delta R.T. -0.001 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 120   | Resp: | 6391  |
| Ion      | Ratio | Lower | Upper |
| 120      | 100   |       |       |
| 91       | 511.1 | 369.8 | 554.6 |

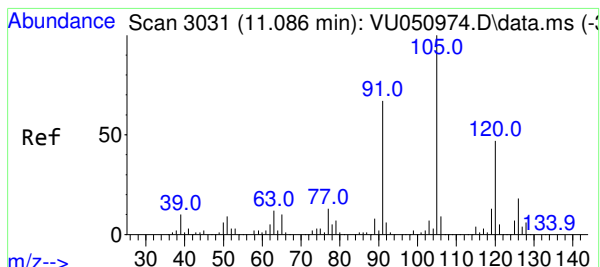
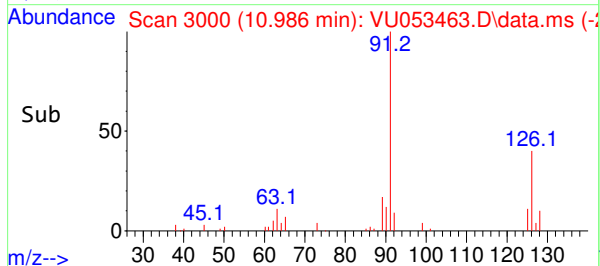
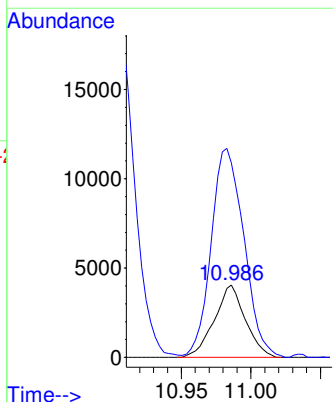
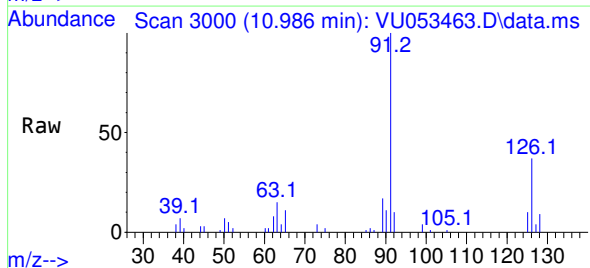




#74  
2-Chlorotoluene  
Concen: 0.48 ug/l  
RT: 10.986 min Scan# 3  
Delta R.T. -0.000 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

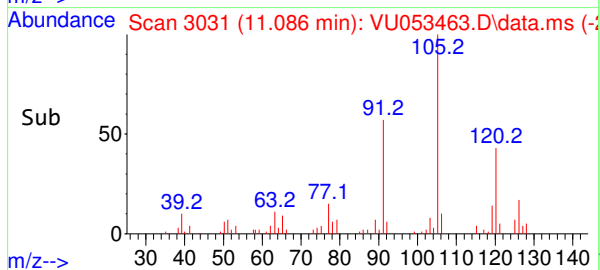
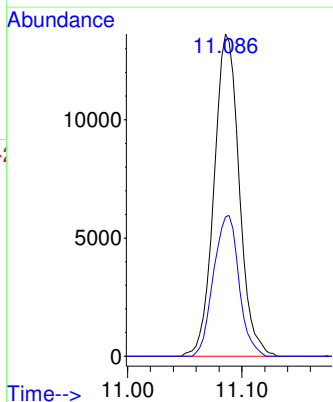
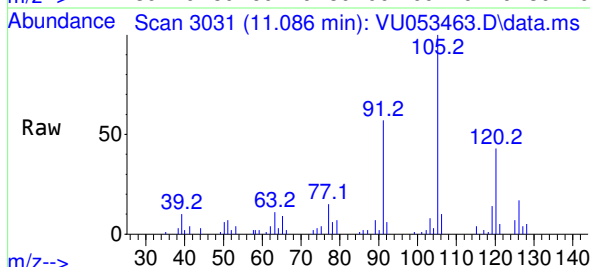
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

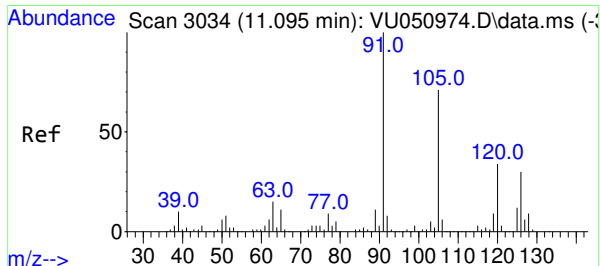
Tgt Ion:126 Resp: 6261  
Ion Ratio Lower Upper  
126 100  
91 305.3 0.0 610.0



#75  
1,3,5-Trimethylbenzene  
Concen: 0.43 ug/l  
RT: 11.086 min Scan# 3031  
Delta R.T. -0.000 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

Tgt Ion:105 Resp: 20896  
Ion Ratio Lower Upper  
105 100  
120 44.1 37.8 56.8

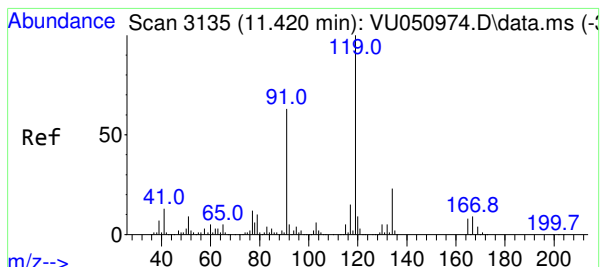
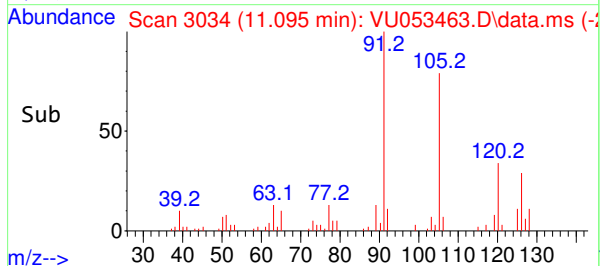
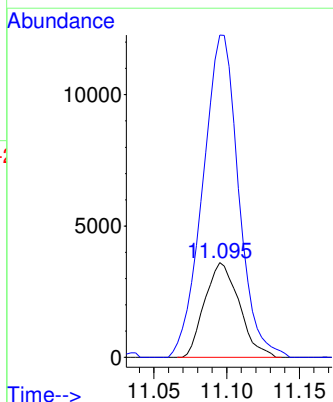
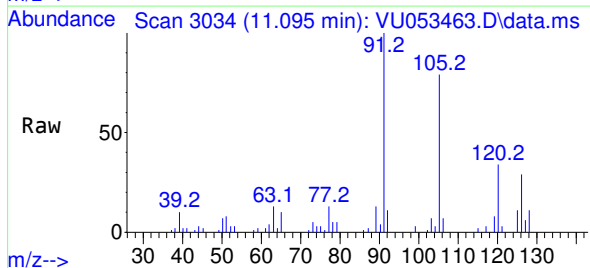




#76  
4-Chlorotoluene  
Concen: 0.44 ug/l  
RT: 11.095 min Scan# 3134  
Delta R.T. 0.000 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

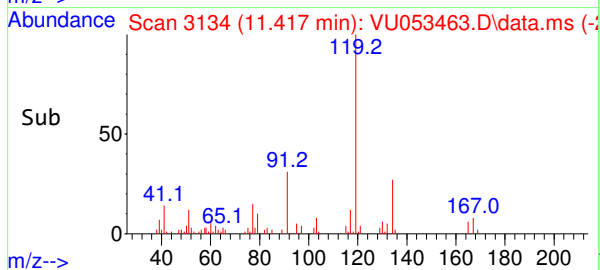
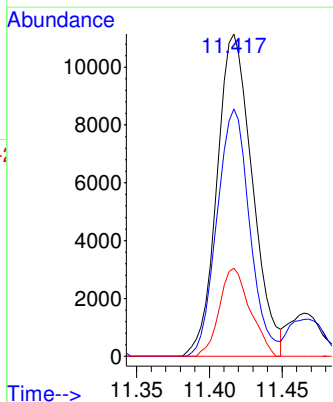
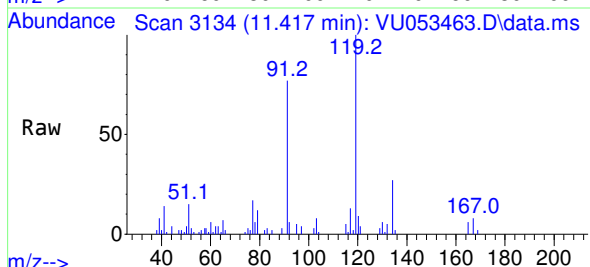
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

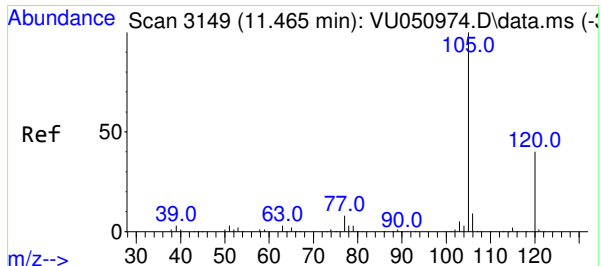
Tgt Ion:126 Resp: 5951  
Ion Ratio Lower Upper  
126 100  
91 353.4 0.0 686.2



#77  
tert-Butylbenzene  
Concen: 0.42 ug/l  
RT: 11.417 min Scan# 3134  
Delta R.T. -0.003 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

Tgt Ion:119 Resp: 18887  
Ion Ratio Lower Upper  
119 100  
91 71.2 30.8 92.4  
134 23.7 18.0 27.0

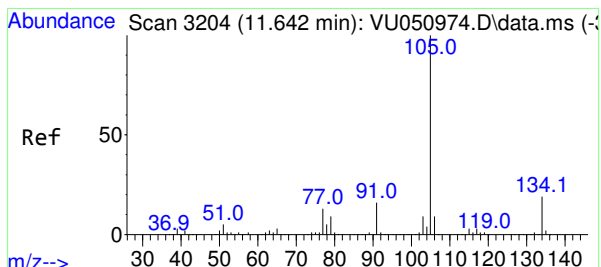
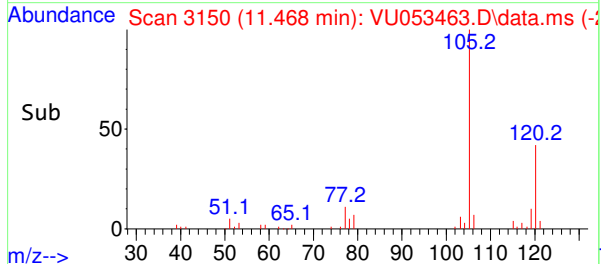
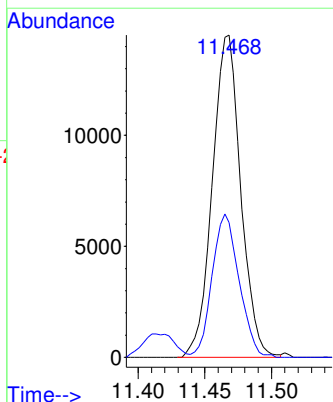
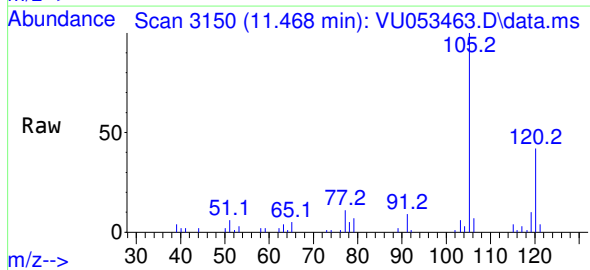




#78  
1,2,4-Trimethylbenzene  
Concen: 0.44 ug/l  
RT: 11.468 min Scan# 3150  
Delta R.T. 0.003 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

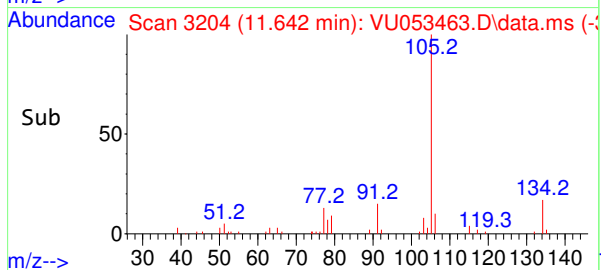
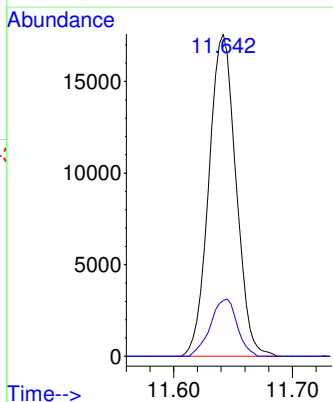
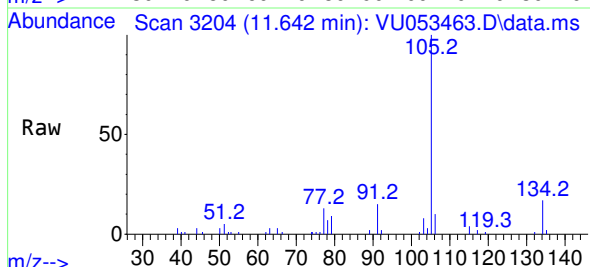
Instrument : MSVOA\_U  
ClientSampleId : VSTDIC0.5

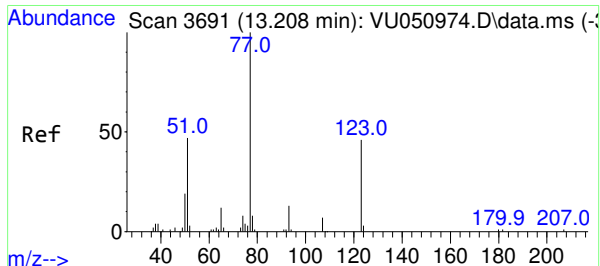
Tgt Ion:105 Resp: 21500  
Ion Ratio Lower Upper  
105 100  
120 42.2 21.9 65.8



#79  
sec-Butylbenzene  
Concen: 0.43 ug/l  
RT: 11.642 min Scan# 3204  
Delta R.T. -0.000 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

Tgt Ion:105 Resp: 27876  
Ion Ratio Lower Upper  
105 100  
134 17.5 14.9 22.3

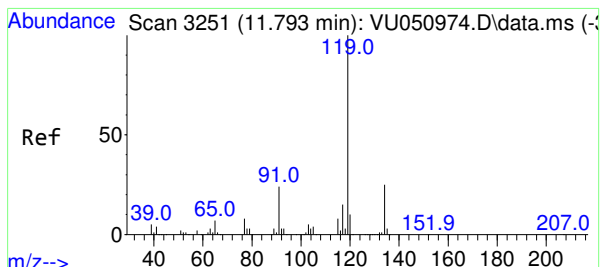
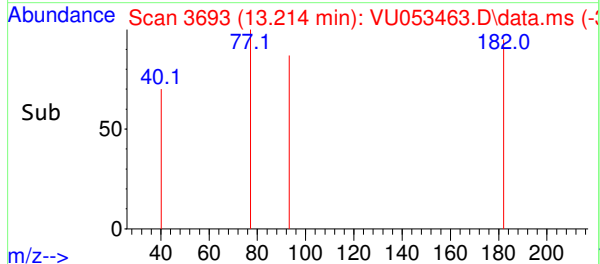
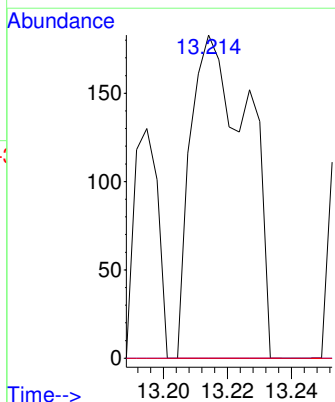
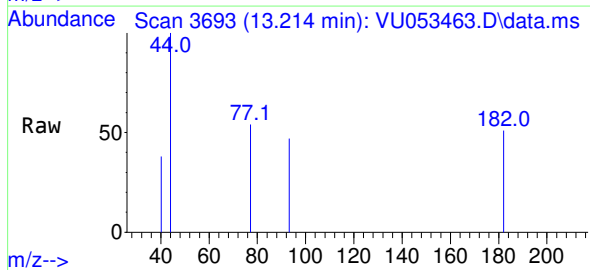




#80  
Nitrobenzene  
Concen: 0.85 ug/l  
RT: 13.214 min Scan# 3  
Delta R.T. 0.006 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

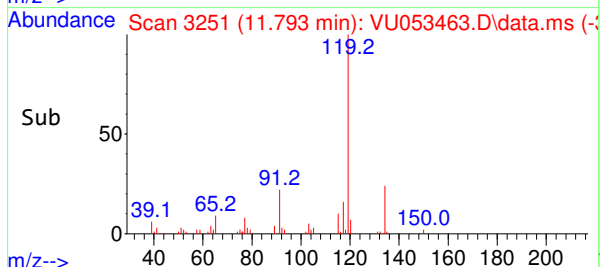
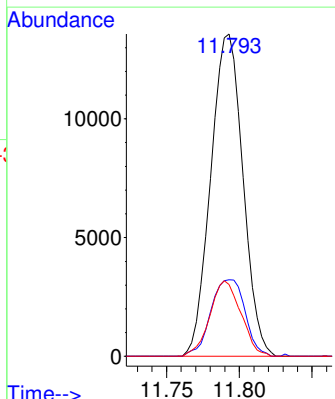
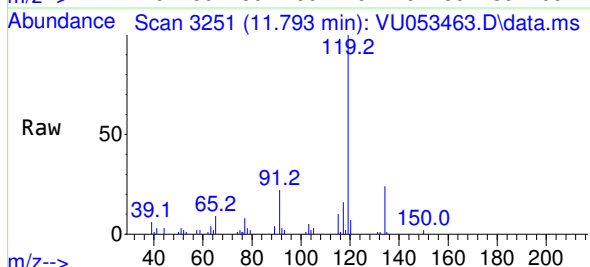
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

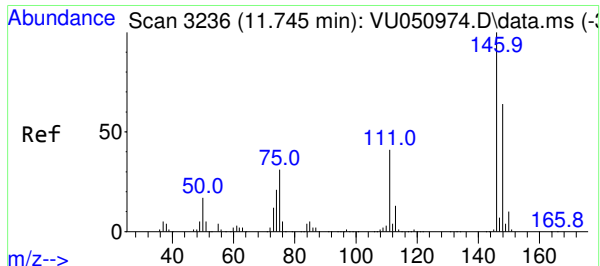
Tgt Ion: 77 Resp: 226  
Ion Ratio Lower Upper  
77 100  
123 0.0 19.7 69.7#  
65 0.0 11.5 14.7#



#81  
p-Isopropyltoluene  
Concen: 0.41 ug/l  
RT: 11.793 min Scan# 3251  
Delta R.T. -0.000 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

Tgt Ion: 119 Resp: 20870  
Ion Ratio Lower Upper  
119 100  
134 25.3 20.2 30.4  
91 22.6 19.3 28.9

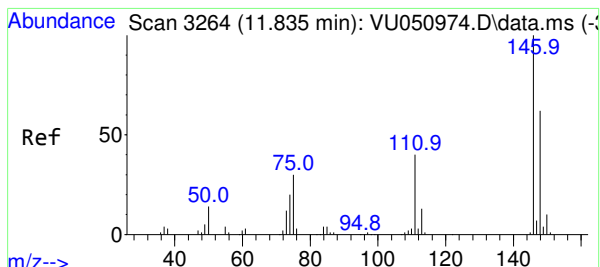
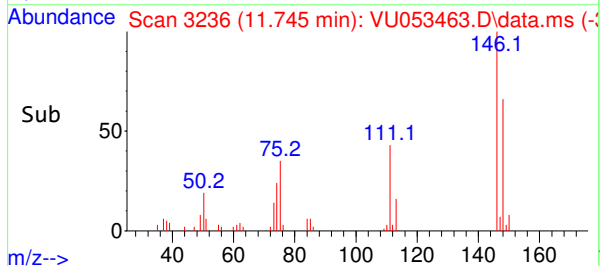
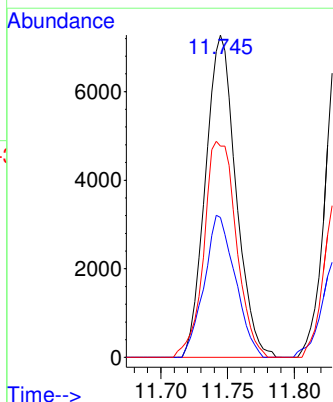
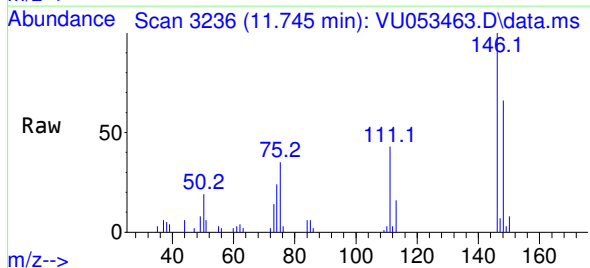




#82  
1,3-Dichlorobenzene  
Concen: 0.45 ug/l  
RT: 11.745 min Scan# 3236  
Delta R.T. -0.000 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

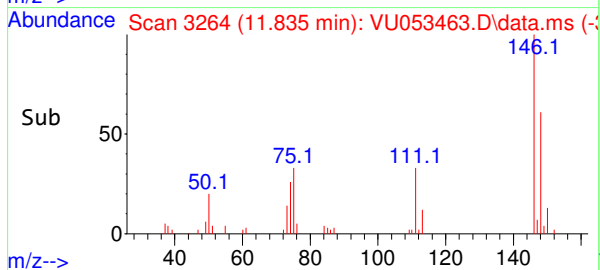
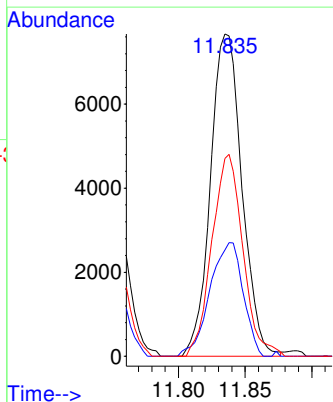
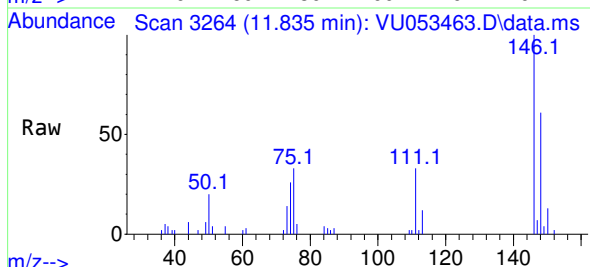
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

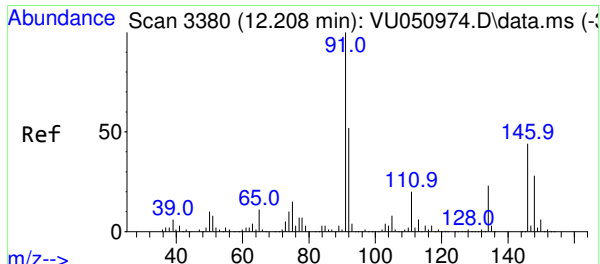
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 11548 |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 44.7  | 32.6  | 49.0  |
| 148      | 71.2  | 51.0  | 76.4  |



#83  
1,4-Dichlorobenzene  
Concen: 0.48 ug/l  
RT: 11.835 min Scan# 3264  
Delta R.T. -0.000 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 12594 |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 37.2  | 31.6  | 47.4  |
| 148      | 61.7  | 50.3  | 75.5  |

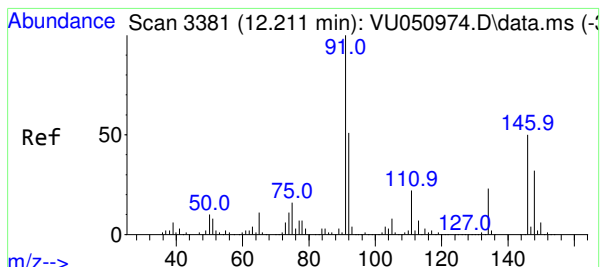
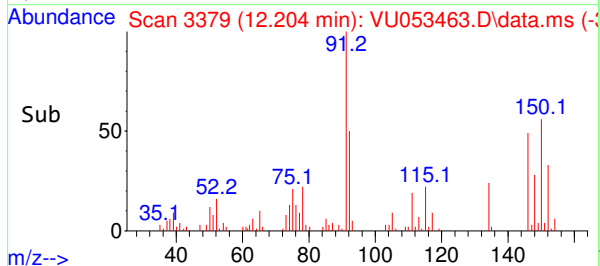
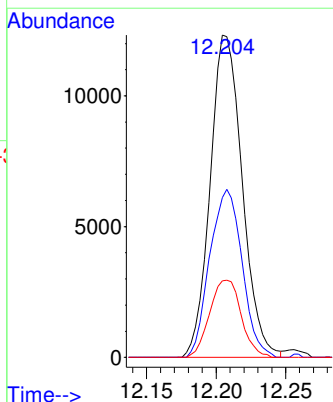
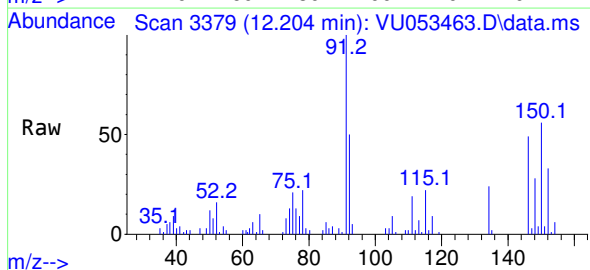




#84  
n-Butylbenzene  
Concen: 0.39 ug/l  
RT: 12.204 min Scan# 3379  
Delta R.T. -0.004 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

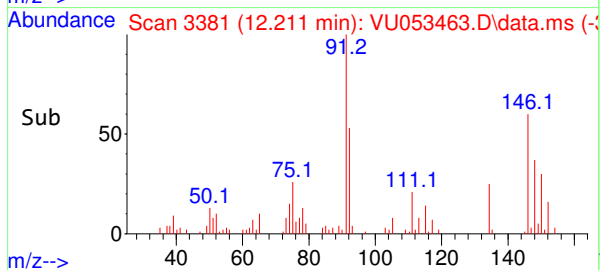
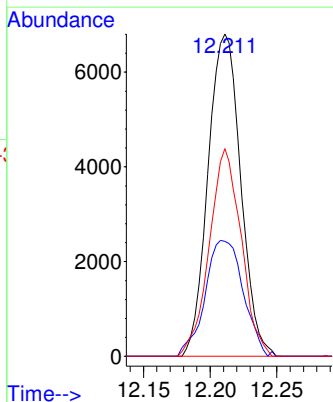
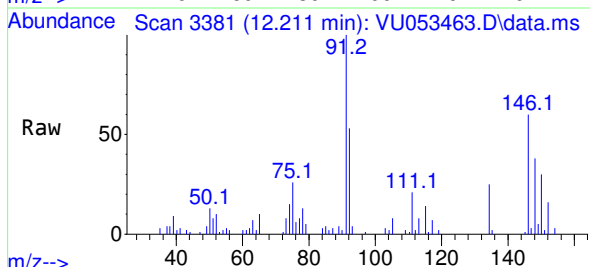
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

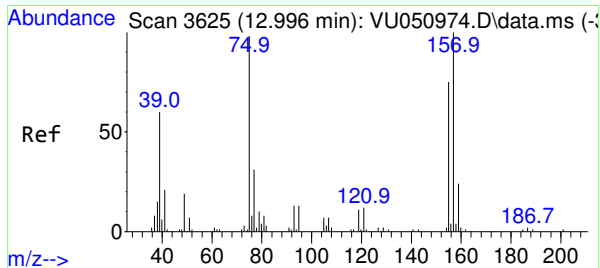
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 19739 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 52.5  | 40.8  | 61.2  |
| 134      | 23.6  | 18.4  | 27.6  |



#85  
1,2-Dichlorobenzene  
Concen: 0.48 ug/l  
RT: 12.211 min Scan# 3381  
Delta R.T. -0.000 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 11600 |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 42.0  | 21.6  | 64.6  |
| 148      | 62.8  | 32.1  | 96.5  |

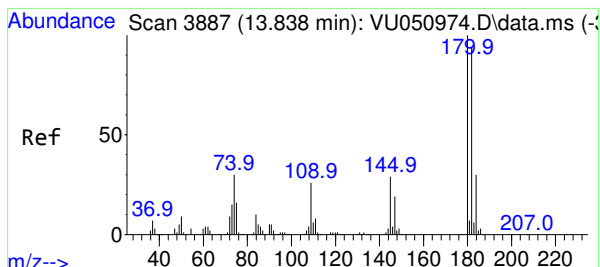
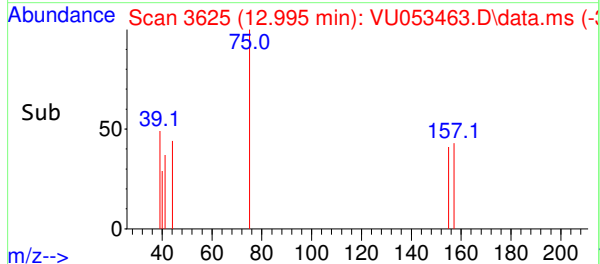
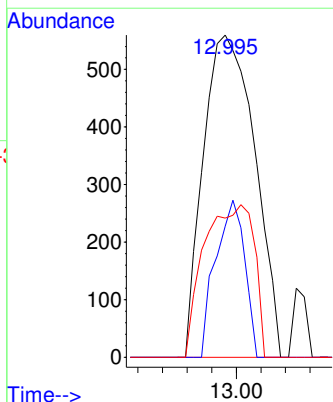
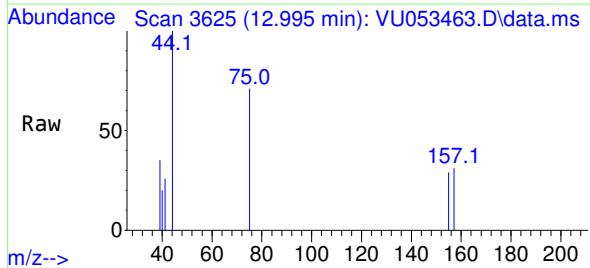




#86  
1,2-Dibromo-3-Chloropropane  
Concen: 0.51 ug/l  
RT: 12.995 min Scan# 3  
Delta R.T. -0.000 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

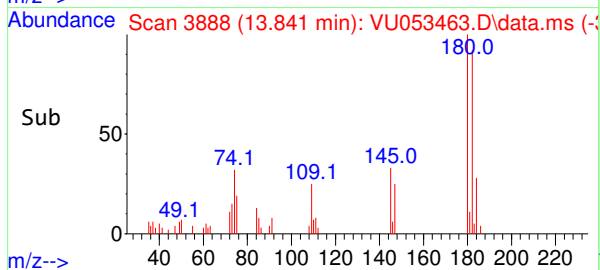
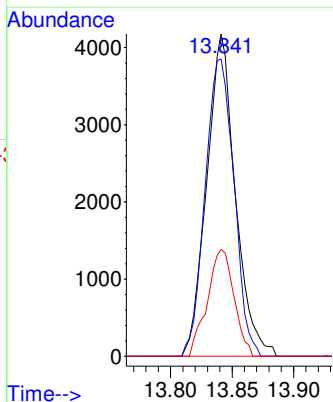
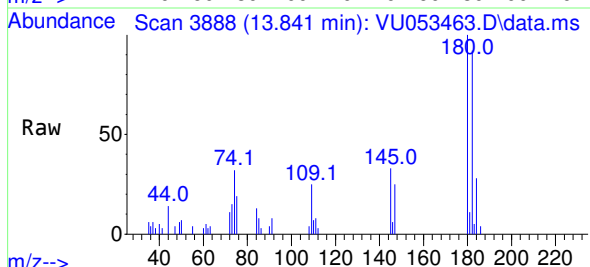
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC0.5

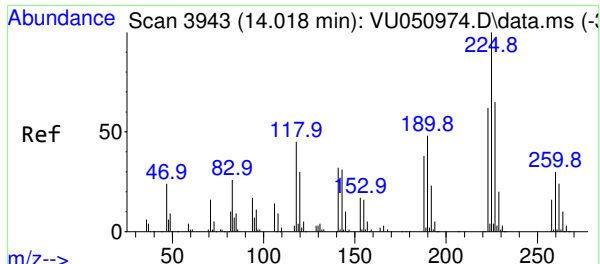
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 815    |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 155      | 27.4  | 61.8  | 92.8#  |
| 157      | 45.9  | 80.2  | 120.4# |



#87  
1,2,4-Trichlorobenzene  
Concen: 0.48 ug/l  
RT: 13.841 min Scan# 3888  
Delta R.T. 0.003 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 6743  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 93.1  | 75.8  | 113.6 |
| 145      | 31.0  | 23.9  | 35.9  |

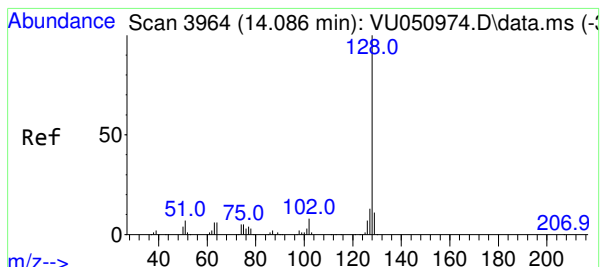
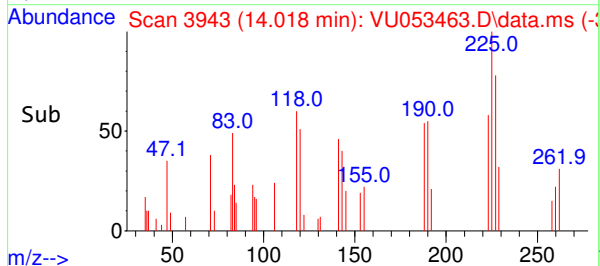
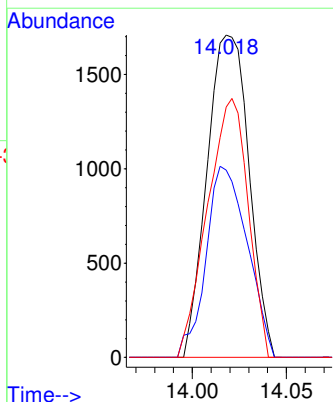
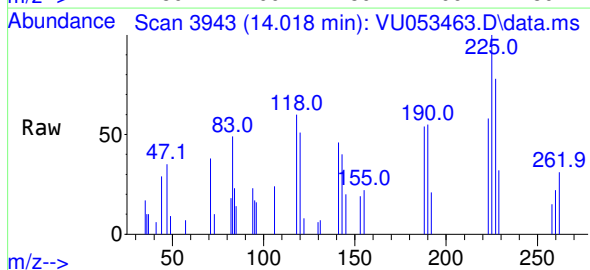




#88  
Hexachlorobutadiene  
Concen: 0.39 ug/l  
RT: 14.018 min Scan# 3943  
Delta R.T. -0.000 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

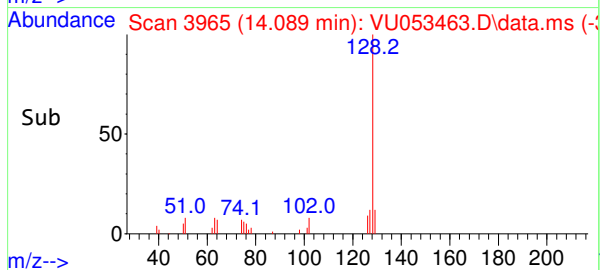
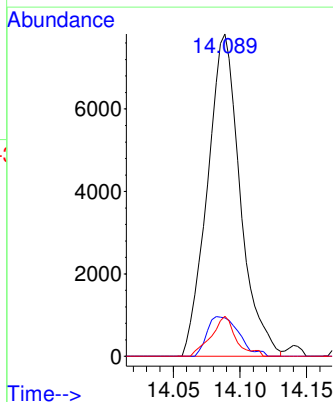
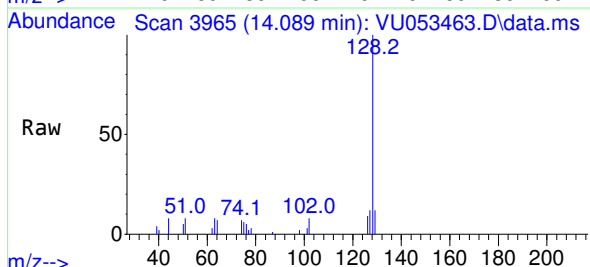
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

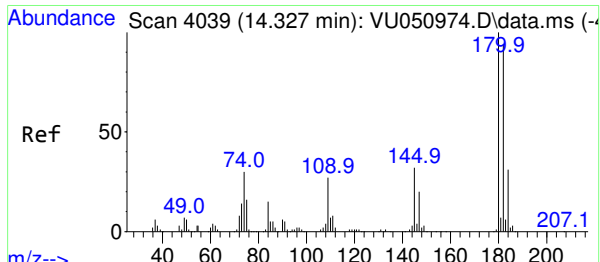
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 2659  |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 58.2  | 50.2  | 75.4  |
| 227      | 77.6  | 51.5  | 77.3# |



#89  
Naphthalene  
Concen: 0.47 ug/l  
RT: 14.089 min Scan# 3965  
Delta R.T. 0.003 min  
Lab File: VU053463.D  
Acq: 29 Mar 2023 13:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 13344 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 12.0  | 10.9  | 16.3  |
| 129      | 9.5   | 8.6   | 12.8  |





#90  
 1,2,3-Trichlorobenzene  
 Concen: 0.40 ug/l  
 RT: 14.327 min Scan# 4  
 Delta R.T. -0.000 min  
 Lab File: VU053463.D  
 Acq: 29 Mar 2023 13:53

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC0.5

Tgt Ion:180 Resp: 4891  
 Ion Ratio Lower Upper  
 180 100  
 182 108.7 75.7 113.5  
 145 40.0 26.1 39.1#

