

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU101724\  
 Data File : VU061149.D  
 Acq On : 17 Oct 2024 17:54  
 Operator : MD/SY  
 Sample : VU1017WBSD01  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Oct 18 04:10:13 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U101724DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Fri Oct 18 02:52:28 2024  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc   | Units   | Dev(Min) |
|------------------------------|--------|------|----------|--------|---------|----------|
| -----                        |        |      |          |        |         |          |
| Internal Standards           |        |      |          |        |         |          |
| 1) Fluorobenzene             | 6.110  | 96   | 28504    | 1.000  | ug/l    | # 0.00   |
| System Monitoring Compounds  |        |      |          |        |         |          |
| 57) 4-Bromofluorobenzene     | 10.628 | 95   | 14257    | 0.941  | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 94.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.187 | 152  | 14636    | 0.981  | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 98.000% |          |
| Target Compounds             |        |      |          |        |         |          |
|                              |        |      |          |        | Qvalue  |          |
| 2) Dichlorodifluoromethane   | 1.384  | 85   | 30875    | 1.967  | ug/l    | 100      |
| 3) Chloromethane             | 1.516  | 50   | 30049    | 2.012  | ug/l    | 98       |
| 4) Vinyl Chloride            | 1.599  | 62   | 30783    | 2.007  | ug/l    | 100      |
| 5) Bromomethane              | 1.853  | 94   | 18824    | 1.953  | ug/l    | 99       |
| 6) Chloroethane              | 1.930  | 64   | 19188    | 1.867  | ug/l    | 97       |
| 7) Trichlorofluoromethane    | 2.133  | 101  | 42319    | 1.939  | ug/l    | 98       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.573  | 101  | 20932    | 1.929  | ug/l    | 97       |
| 9) 1,1-Dichloroethene        | 2.573  | 96   | 21631    | 1.913  | ug/l    | 91       |
| 10) Iodomethane              | 2.715  | 142  | 24695    | 2.199  | ug/l    | 99       |
| 11) Allyl Chloride           | 2.917  | 41   | 27690    | 1.901  | ug/l    | 97       |
| 12) Acrylonitrile            | 3.332  | 53   | 8120     | 3.570  | ug/l    | 97       |
| 13) Acetone                  | 2.651  | 43   | 31346    | 10.566 | ug/l    | 95       |
| 14) Carbon Disulfide         | 2.789  | 76   | 75235    | 1.931  | ug/l    | 98       |
| 15) Methylene Chloride       | 3.040  | 84   | 37123    | 2.536  | ug/l    | 96       |
| 16) trans-1,2-Dichloroethene | 3.348  | 96   | 26496    | 1.998  | ug/l    | 94       |
| 17) 1,1-Dichloroethane       | 3.859  | 63   | 46367    | 1.972  | ug/l    | 99       |
| 18) 2-Butanone               | 4.718  | 43   | 34751    | 9.567  | ug/l    | 98       |
| 19) Cyclohexane              | 5.377  | 56   | 37192    | 1.766  | ug/l    | 93       |
| 20) Methylcyclohexane        | 6.756  | 83   | 45970    | 1.957  | ug/l    | 99       |
| 21) 2,2-Dichloropropane      | 4.654  | 77   | 40801    | 1.881  | ug/l    | 97       |
| 22) cis-1,2-Dichloroethene   | 4.660  | 96   | 28831    | 1.995  | ug/l    | 97       |
| 23) Diethyl Ether            | 2.371  | 59   | 17220    | 1.960  | ug/l    | 97       |
| 24) tert-Butyl Alcohol       | 3.245  | 59   | 3774     | 4.116  | ug/l    | # 72     |
| 25) Methyl tert-Butyl Ether  | 3.355  | 73   | 60000    | 1.980  | ug/l    | 98       |
| 26) Bromochloromethane       | 4.969  | 128  | 11917    | 1.972  | ug/l    | 98       |
| 27) Chloroform               | 5.081  | 83   | 48923    | 1.984  | ug/l    | 98       |
| 28) 1,1,1-Trichloroethane    | 5.306  | 97   | 42241    | 1.943  | ug/l    | 99       |
| 29) 1,1-Dichloropropene      | 5.519  | 75   | 37439    | 1.948  | ug/l    | 99       |
| 30) Carbon Tetrachloride     | 5.515  | 117  | 36428    | 1.931  | ug/l    | 99       |
| 31) Isopropyl Ether          | 3.982  | 45   | 66256    | 1.975  | ug/l    | 100      |
| 32) Ethyl-t-butyl ether      | 4.493  | 59   | 66927    | 1.940  | ug/l    | 100      |
| 33) Tert-Amyl methyl ether   | 5.930  | 73   | 62496    | 2.013  | ug/l    | 100      |
| 34) Propionitrile            | 4.811  | 54   | 8162     | 9.419  | ug/l    | # 94     |
| 35) Benzene                  | 5.766  | 78   | 108221   | 2.000  | ug/l    | 100      |
| 36) 1,2-Dichloroethane       | 5.789  | 62   | 30986    | 2.028  | ug/l    | 97       |
| 37) Trichloroethene          | 6.538  | 130  | 27472    | 1.902  | ug/l    | 99       |
| 38) 1,2-Dichloropropane      | 6.782  | 63   | 27406    | 2.000  | ug/l    | 96       |
| 39) Methacrylonitrile        | 4.978  | 41   | 6302     | 2.019  | ug/l    | 98       |
| 40) Methyl acrylate          | 4.863  | 55   | 8870     | 1.401  | ug/l    | # 89     |
| 41) Tetrahydrofuran          | 5.068  | 42   | 6998     | 3.733  | ug/l    | 96       |
| 42) 1-Chlorobutane           | 5.451  | 56   | 47222    | 1.915  | ug/l    | 97       |
| 43) Dibromomethane           | 6.914  | 93   | 13982    | 1.968  | ug/l    | 98       |
| 44) Bromodichloromethane     | 7.097  | 83   | 33917    | 1.963  | ug/l    | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU101724\  
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 Acq On : 17 Oct 2024 17:54  
 Operator : MD/SY  
 Sample : VU1017WBSD01  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

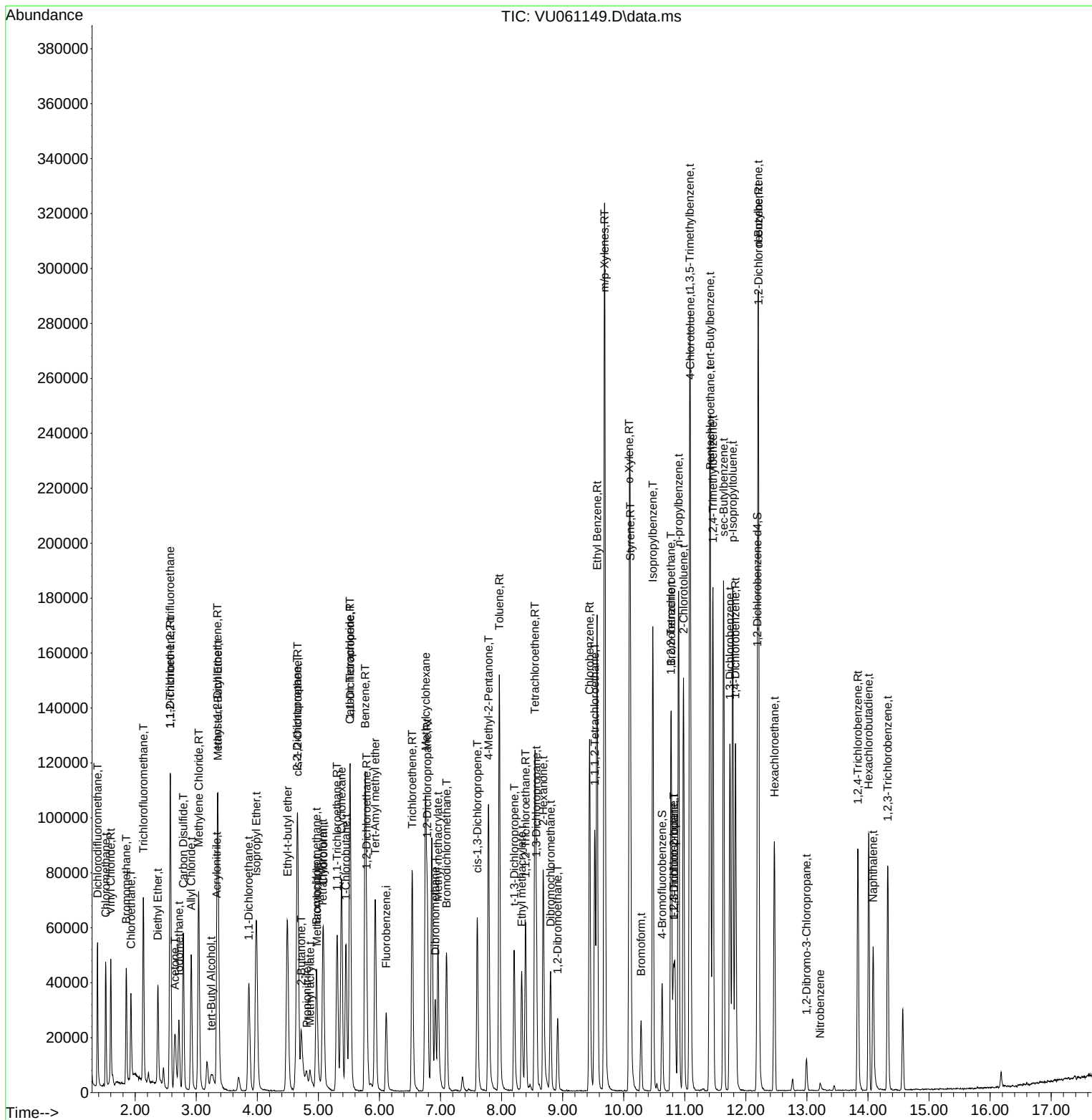
Instrument :  
 MSVOA\_U  
 ClientSampleId :

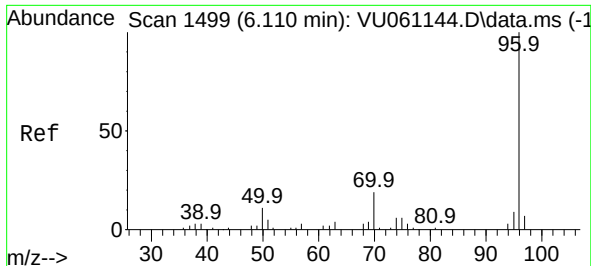
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U101724DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Fri Oct 18 02:52:28 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.785  | 43   | 70256    | 9.849  | ug/l   | 98       |
| 46) t-1,4-Dichloro-2-butene   | 10.817 | 75   | 29283    | 10.296 | ug/l # | 47       |
| 47) Methyl methacrylate       | 6.959  | 69   | 24958    | 4.041  | ug/l   | 99       |
| 48) Ethyl methacrylate        | 8.329  | 69   | 25428    | 1.931  | ug/l   | 98       |
| 49) Toluene                   | 7.962  | 92   | 68059    | 1.991  | ug/l   | 97       |
| 50) t-1,3-Dichloropropene     | 8.207  | 75   | 31510    | 1.891  | ug/l   | 95       |
| 51) cis-1,3-Dichloropropene   | 7.602  | 75   | 39005    | 1.908  | ug/l   | 98       |
| 52) 1,1,2-Trichloroethane     | 8.390  | 97   | 18522    | 1.933  | ug/l   | 97       |
| 53) 1,3-Dichloropropane       | 8.570  | 76   | 33758    | 2.006  | ug/l   | 100      |
| 54) 2-Hexanone                | 8.679  | 43   | 56260    | 9.601  | ug/l   | 98       |
| 55) Dibromochloromethane      | 8.801  | 129  | 22057    | 1.950  | ug/l   | 98       |
| 56) 1,2-Dibromoethane         | 8.917  | 107  | 18138    | 1.973  | ug/l   | 98       |
| 58) Tetrachloroethene         | 8.544  | 164  | 25166    | 2.055  | ug/l   | 95       |
| 59) Chlorobenzene             | 9.441  | 112  | 72803    | 1.977  | ug/l   | 100      |
| 60) 1,1,1,2-Tetrachloroethane | 9.525  | 131  | 24168    | 1.946  | ug/l   | 98       |
| 61) Pentachloroethane         | 11.419 | 117  | 16853    | 1.773  | ug/l   | 97       |
| 62) Hexachloroethane          | 12.467 | 117  | 17981    | 1.836  | ug/l   | 99       |
| 63) Ethyl Benzene             | 9.563  | 91   | 128683   | 1.951  | ug/l   | 99       |
| 64) m/p-Xylenes               | 9.686  | 106  | 97394    | 3.880  | ug/l   | 100      |
| 65) o-Xylene                  | 10.091 | 106  | 47370    | 1.916  | ug/l   | 96       |
| 66) Styrene                   | 10.110 | 104  | 73454    | 1.910  | ug/l   | 99       |
| 67) Bromoform                 | 10.284 | 173  | 11454    | 1.933  | ug/l # | 98       |
| 69) Isopropylbenzene          | 10.477 | 105  | 111850   | 1.902  | ug/l   | 99       |
| 70) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 22464    | 1.930  | ug/l   | 99       |
| 71) 1,2,3-Trichloropropane    | 10.817 | 75   | 29283    | 3.089  | ug/l # | 80       |
| 72) Bromobenzene              | 10.776 | 156  | 26871    | 1.900  | ug/l   | 98       |
| 73) n-propylbenzene           | 10.898 | 120  | 31673    | 1.845  | ug/l   | 95       |
| 74) 2-Chlorotoluene           | 10.978 | 126  | 29391    | 1.980  | ug/l   | 100      |
| 75) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 101925   | 1.922  | ug/l   | 100      |
| 76) 4-Chlorotoluene           | 11.091 | 126  | 29051    | 1.925  | ug/l   | 97       |
| 77) tert-Butylbenzene         | 11.412 | 119  | 99942    | 1.906  | ug/l   | 97       |
| 78) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 102237   | 1.909  | ug/l   | 100      |
| 79) sec-Butylbenzene          | 11.634 | 105  | 129489   | 1.897  | ug/l   | 99       |
| 80) Nitrobenzene              | 13.216 | 77   | 1425     | 8.425  | ug/l # | 71       |
| 81) p-Isopropyltoluene        | 11.785 | 119  | 105703   | 1.870  | ug/l   | 99       |
| 82) 1,3-Dichlorobenzene       | 11.740 | 146  | 51794    | 1.909  | ug/l   | 99       |
| 83) 1,4-Dichlorobenzene       | 11.830 | 146  | 51600    | 1.907  | ug/l   | 99       |
| 84) n-Butylbenzene            | 12.203 | 91   | 96249    | 1.835  | ug/l   | 99       |
| 85) 1,2-Dichlorobenzene       | 12.206 | 146  | 49834    | 1.964  | ug/l   | 99       |
| 86) 1,2-Dibromo-3-Chloropr... | 12.991 | 75   | 3738     | 2.164  | ug/l   | 94       |
| 87) 1,2,4-Trichlorobenzene    | 13.833 | 180  | 26868    | 1.852  | ug/l   | 100      |
| 88) Hexachlorobutadiene       | 14.010 | 225  | 15400    | 1.877  | ug/l   | 97       |
| 89) Naphthalene               | 14.084 | 128  | 49662    | 1.940  | ug/l   | 98       |
| 90) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 25809    | 1.980  | ug/l   | 99       |

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

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QLast Update : Fri Oct 18 02:52:28 2024  
Response via : Initial Calibration

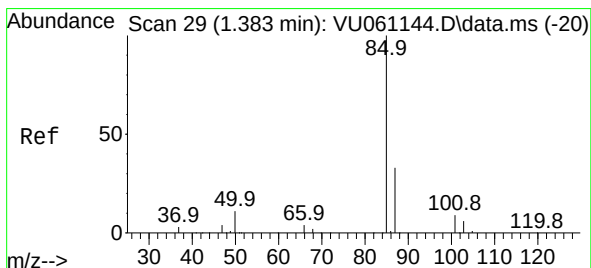
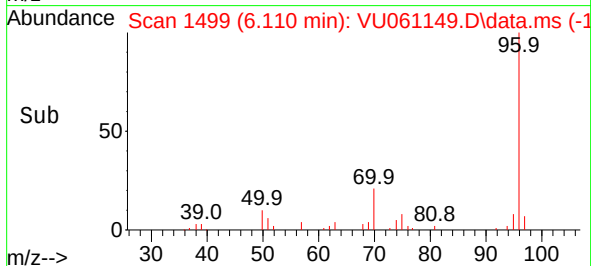
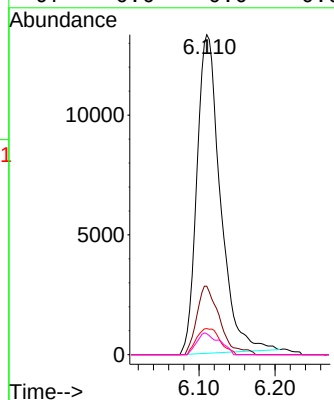
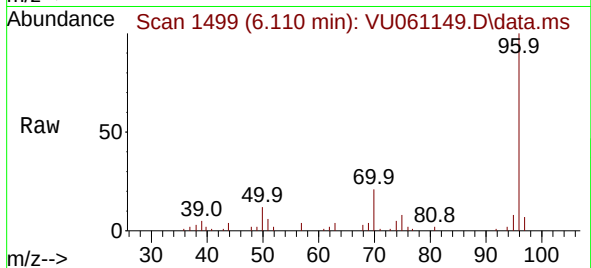




#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.110 min Scan# 1499  
Delta R.T. 0.000 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

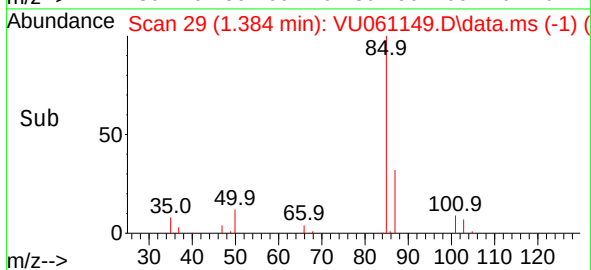
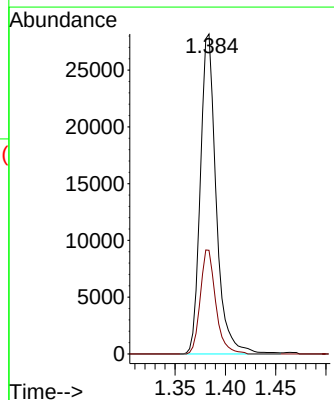
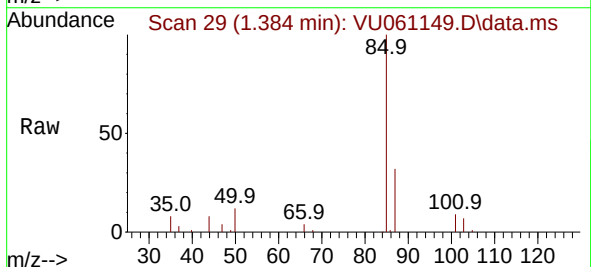
Instrument :  
MSVOA\_U  
ClientSampleId :

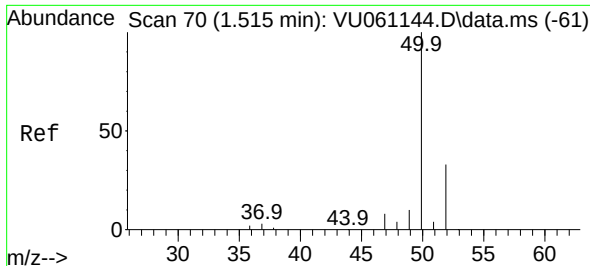
|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 28504 |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 70 21.0     | 16.1 24.1   |
| 95 8.2      | 0.0 0.0#    |
| 97 6.6      | 0.0 0.0#    |



#2  
Dichlorodifluoromethane  
Concen: 1.967 ug/l  
RT: 1.384 min Scan# 29  
Delta R.T. 0.000 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

|             |             |
|-------------|-------------|
| Tgt Ion: 85 | Resp: 30875 |
| Ion Ratio   | Lower Upper |
| 85 100      |             |
| 87 32.4     | 16.3 48.9   |

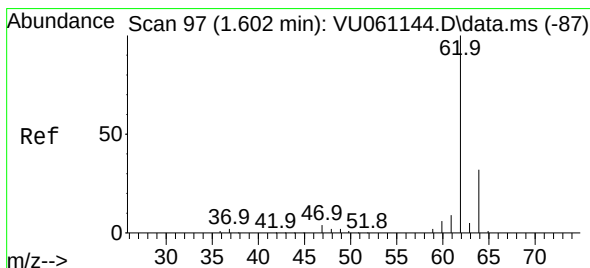
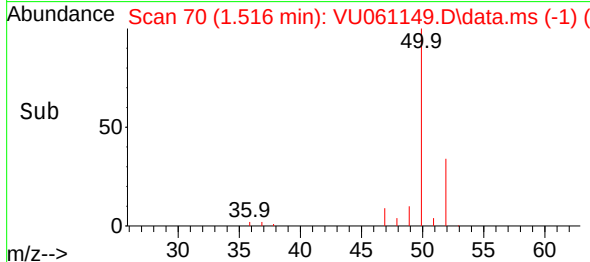
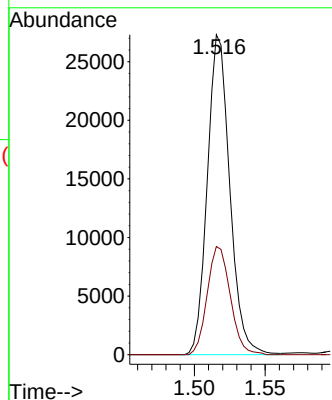
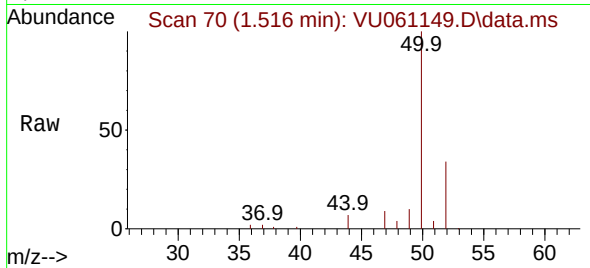




#3  
Chloromethane  
Concen: 2.012 ug/l  
RT: 1.516 min Scan# 70  
Delta R.T. 0.000 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

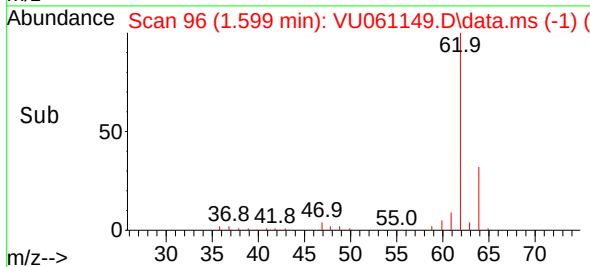
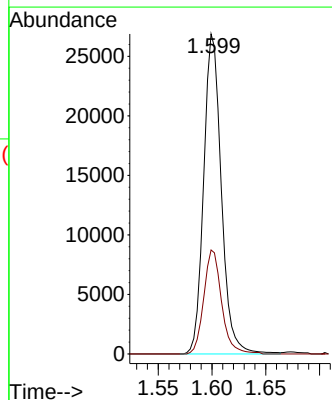
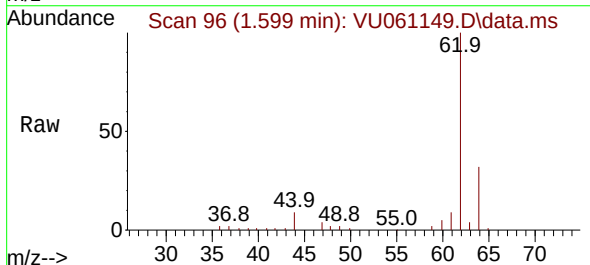
Instrument :  
MSVOA\_U  
ClientSampleId :

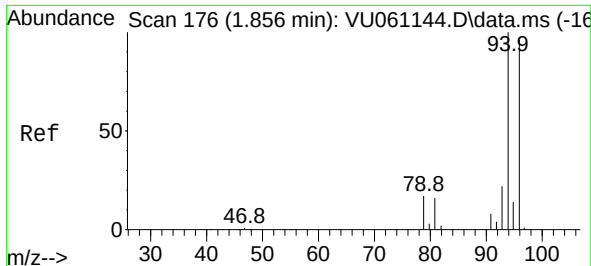
Tgt Ion: 50 Resp: 30049  
Ion Ratio Lower Upper  
50 100  
52 33.8 26.2 39.2



#4  
Vinyl Chloride  
Concen: 2.007 ug/l  
RT: 1.599 min Scan# 96  
Delta R.T. -0.003 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

Tgt Ion: 62 Resp: 30783  
Ion Ratio Lower Upper  
62 100  
64 32.5 25.9 38.9

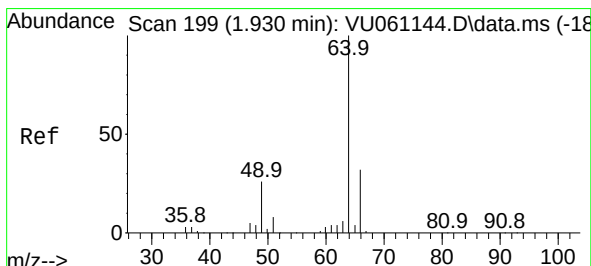
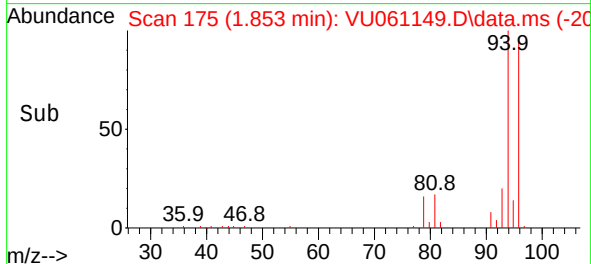
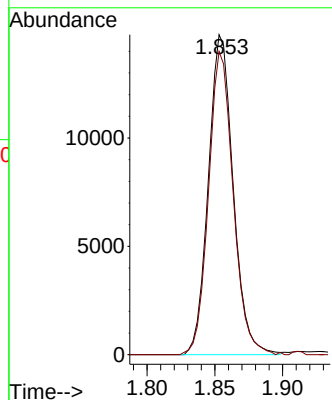
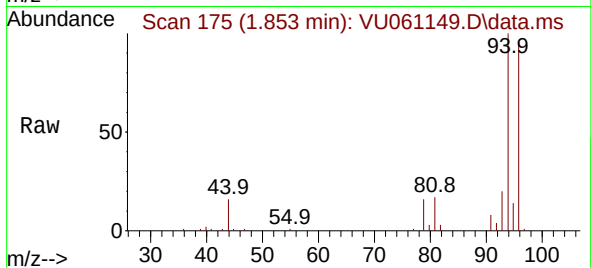




#5  
Bromomethane  
Concen: 1.953 ug/l  
RT: 1.853 min Scan# 176  
Delta R.T. -0.003 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

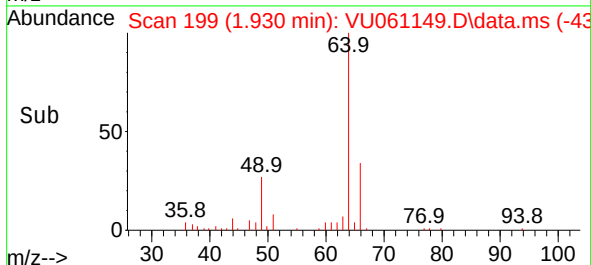
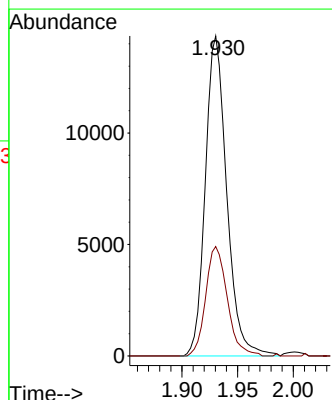
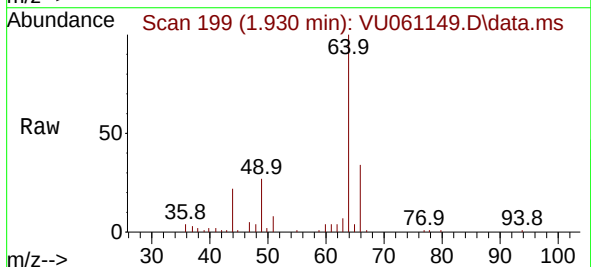
Instrument :  
MSVOA\_U  
ClientSampleId :

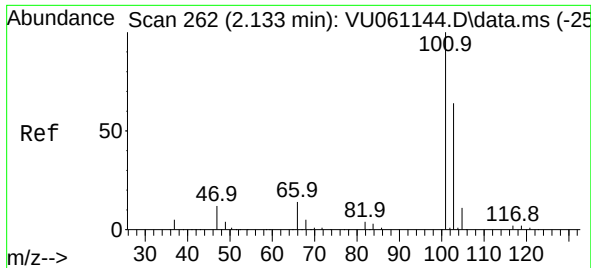
Tgt Ion: 94 Resp: 18824  
Ion Ratio Lower Upper  
94 100  
96 94.7 76.5 114.7



#6  
Chloroethane  
Concen: 1.867 ug/l  
RT: 1.930 min Scan# 199  
Delta R.T. 0.000 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

Tgt Ion: 64 Resp: 19188  
Ion Ratio Lower Upper  
64 100  
66 34.2 25.8 38.8

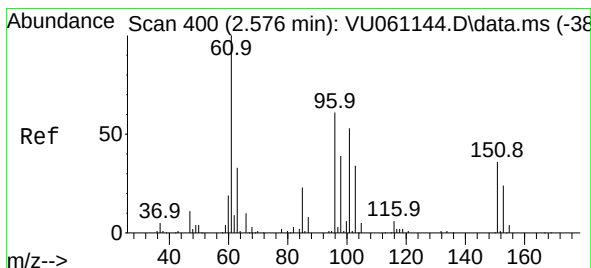
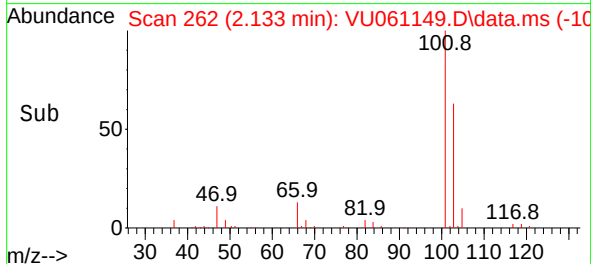
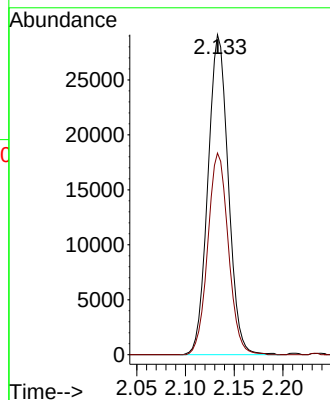
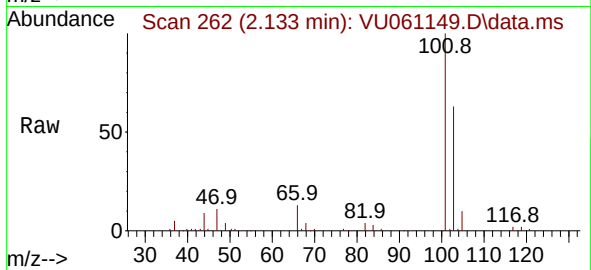




#7  
 Trichlorofluoromethane  
 Concen: 1.939 ug/l  
 RT: 2.133 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VU061149.D  
 Acq: 17 Oct 2024 17:54

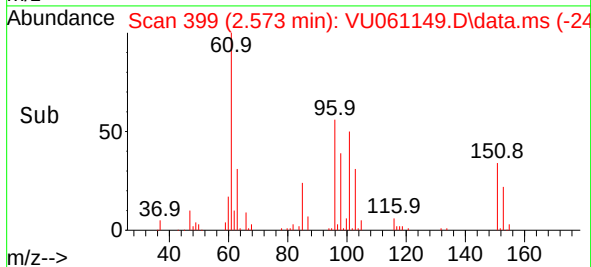
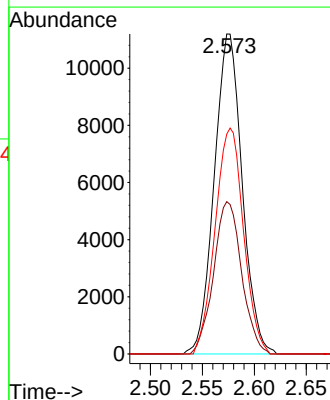
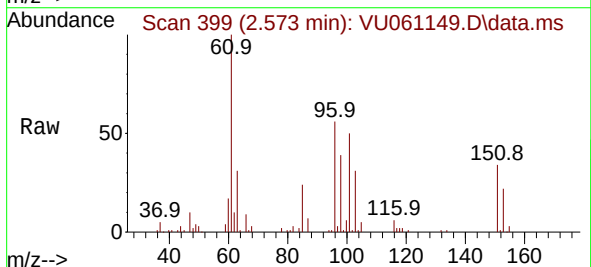
Instrument :  
 MSVOA\_U  
 ClientSampleId :

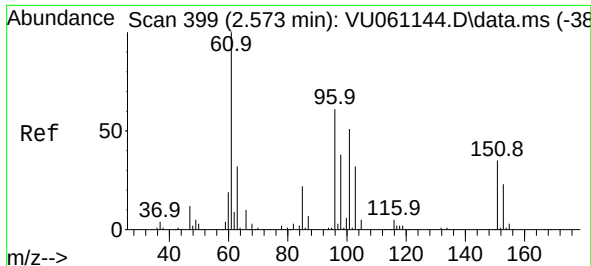
Tgt Ion:101 Resp: 42319  
 Ion Ratio Lower Upper  
 101 100  
 103 63.0 51.5 77.3



#8  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 1.929 ug/l  
 RT: 2.573 min Scan# 399  
 Delta R.T. -0.003 min  
 Lab File: VU061149.D  
 Acq: 17 Oct 2024 17:54

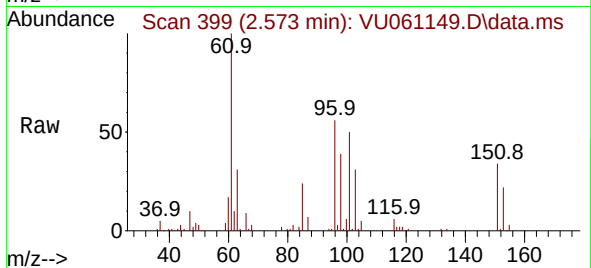
Tgt Ion:101 Resp: 20932  
 Ion Ratio Lower Upper  
 101 100  
 85 47.7 35.8 53.8  
 151 71.8 56.2 84.4



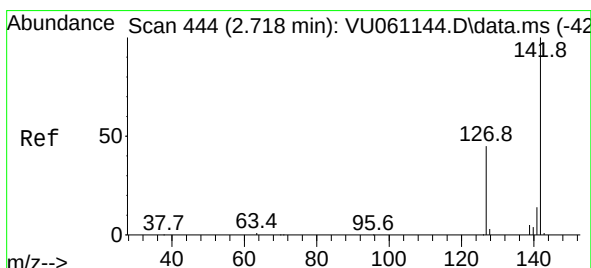
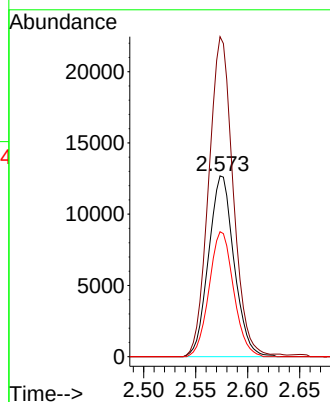
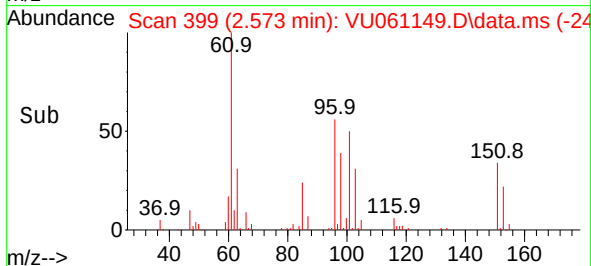


#9  
1,1-Dichloroethene  
Concen: 1.913 ug/l  
RT: 2.573 min Scan# 399  
Delta R.T. 0.000 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

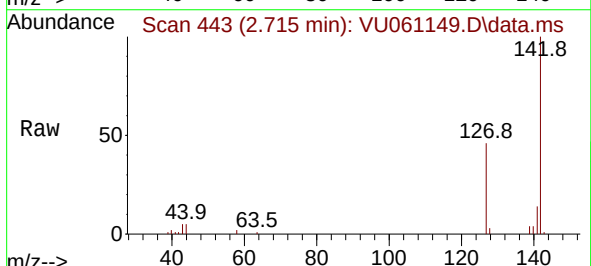
Instrument :  
MSVOA\_U  
ClientSampleId :



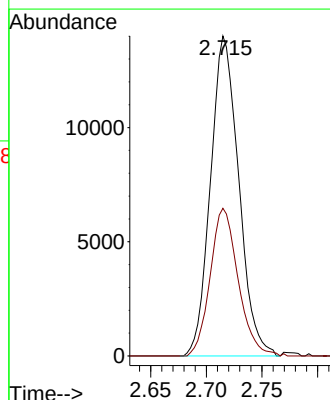
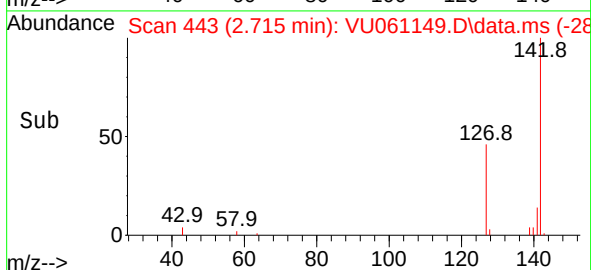
Tgt Ion: 96 Resp: 21631  
Ion Ratio Lower Upper  
96 100  
61 177.1 0.0 494.4  
98 69.1 0.0 124.4



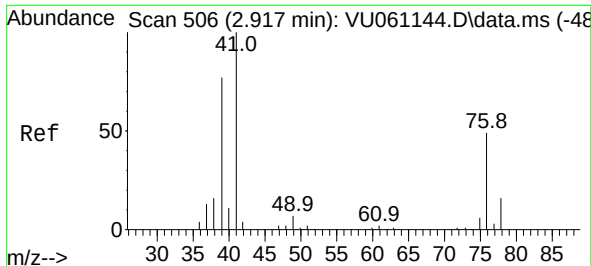
#10  
Iodomethane  
Concen: 2.199 ug/l  
RT: 2.715 min Scan# 443  
Delta R.T. -0.003 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54



Tgt Ion: 142 Resp: 24695  
Ion Ratio Lower Upper  
142 100  
127 45.8 36.2 54.4







#11

Allyl Chloride

Concen: 1.901 ug/l

RT: 2.917 min Scan# 506

Delta R.T. 0.000 min

Lab File: VU061149.D

Acq: 17 Oct 2024 17:54

Instrument :

MSVOA\_U

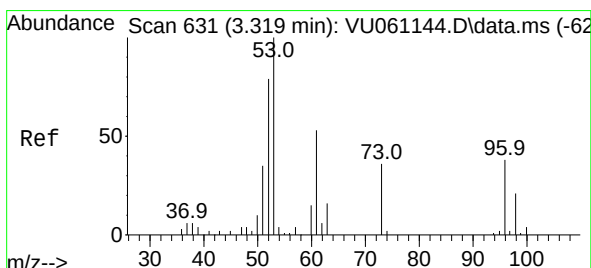
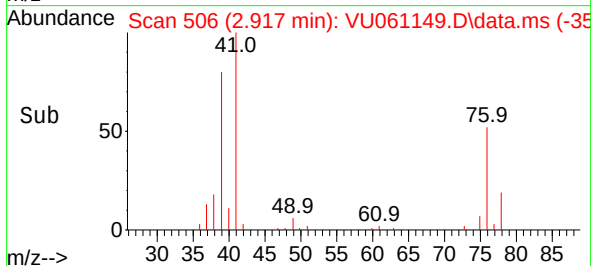
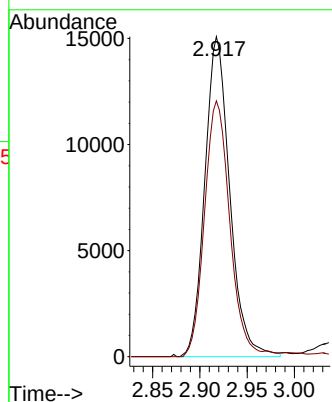
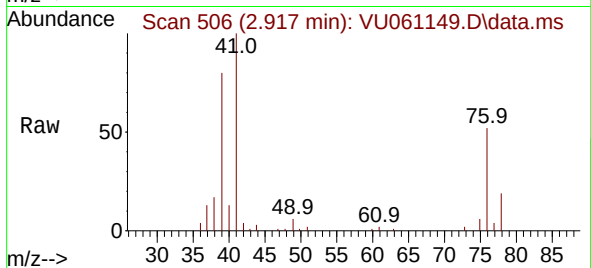
ClientSampleId :

Tgt Ion: 41 Resp: 27690

Ion Ratio Lower Upper

41 100

39 80.5 62.4 93.6



#12

Acrylonitrile

Concen: 3.570 ug/l

RT: 3.332 min Scan# 635

Delta R.T. 0.013 min

Lab File: VU061149.D

Acq: 17 Oct 2024 17:54

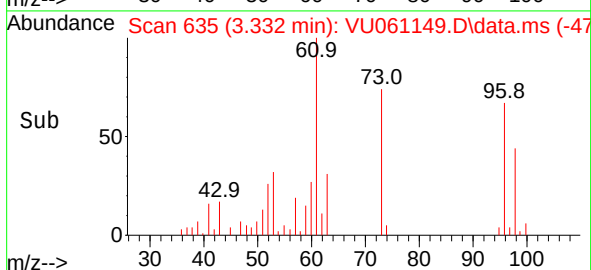
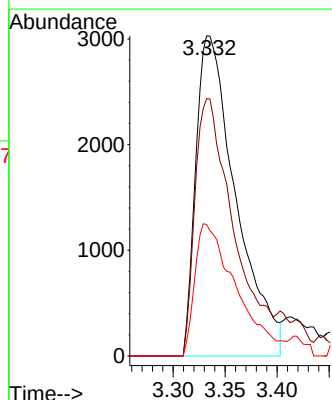
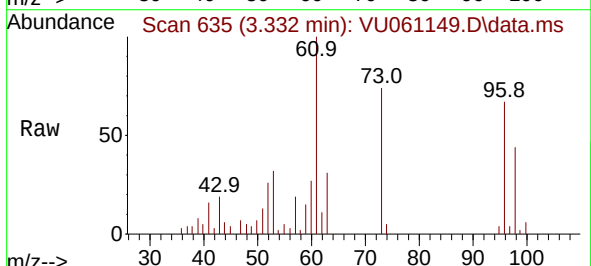
Tgt Ion: 53 Resp: 8120

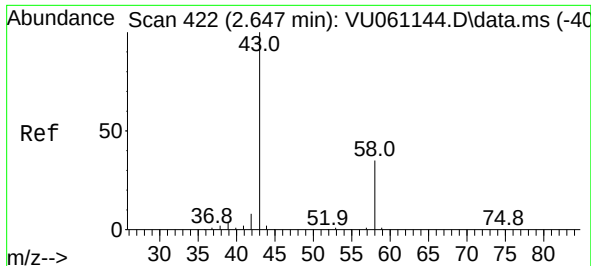
Ion Ratio Lower Upper

53 100

52 78.0 62.6 94.0

51 42.7 30.7 46.1





#13

Acetone

Concen: 10.566 ug/l

RT: 2.651 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU061149.D

Acq: 17 Oct 2024 17:54

Instrument :

MSVOA\_U

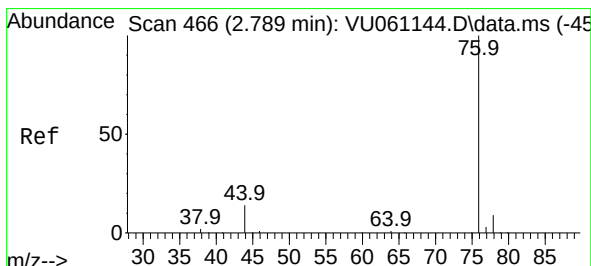
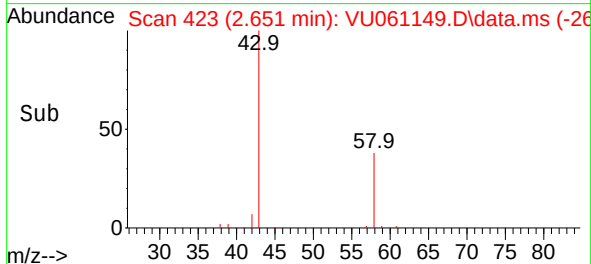
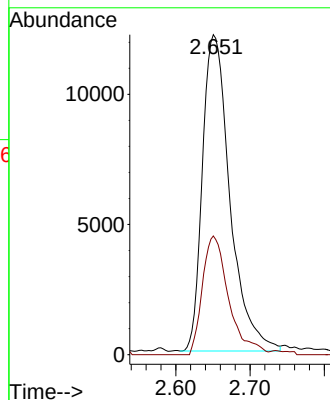
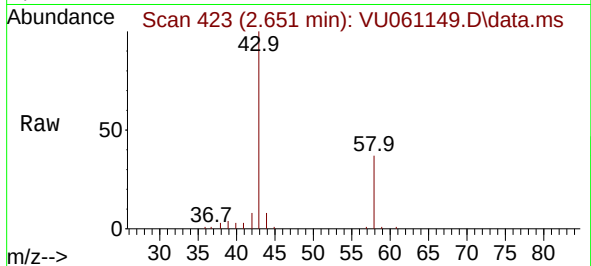
ClientSampleId :

Tgt Ion: 43 Resp: 31346

Ion Ratio Lower Upper

43 100

58 37.5 27.9 41.9



#14

Carbon Disulfide

Concen: 1.931 ug/l

RT: 2.789 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU061149.D

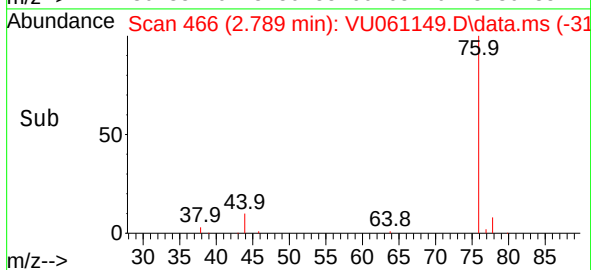
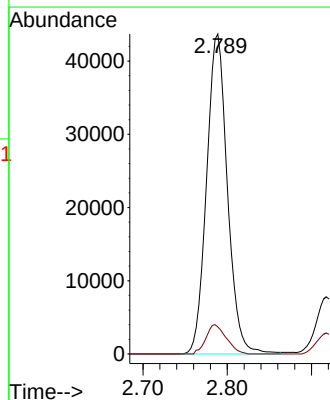
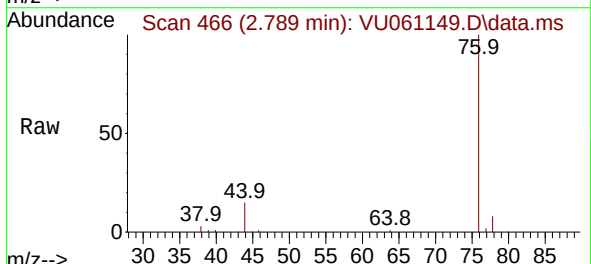
Acq: 17 Oct 2024 17:54

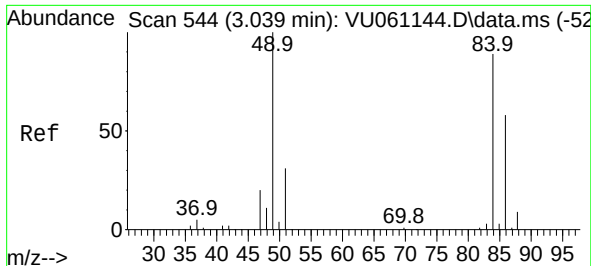
Tgt Ion: 76 Resp: 75235

Ion Ratio Lower Upper

76 100

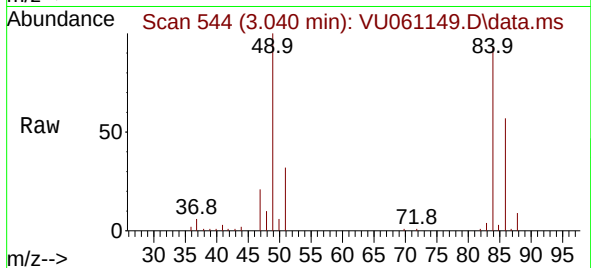
78 8.5 7.4 11.0



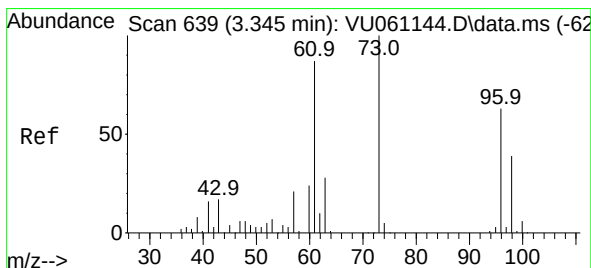
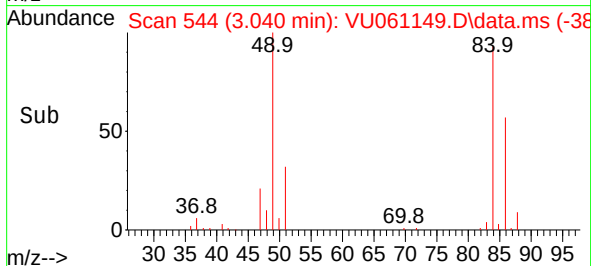
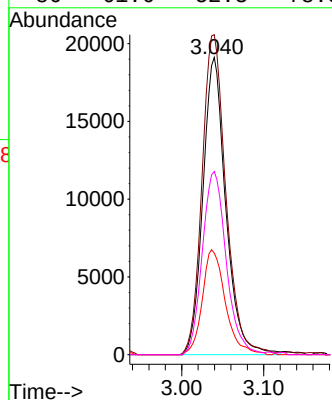


#15  
Methylene Chloride  
Concen: 2.536 ug/l  
RT: 3.040 min Scan# 544  
Delta R.T. 0.000 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

Instrument :  
MSVOA\_U  
ClientSampleId :

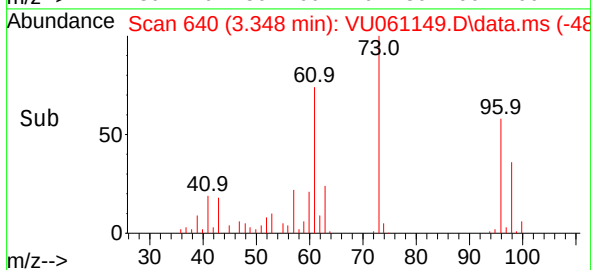
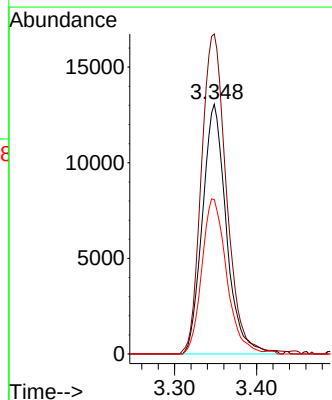
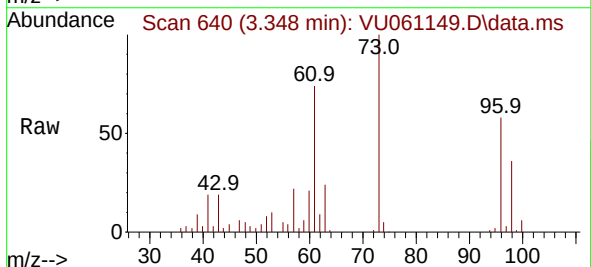


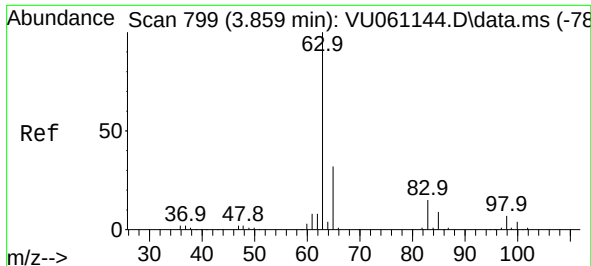
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 37123 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 107.6 | 90.4  | 135.6 |
| 51       | 34.2  | 0.0   | 70.6  |
| 86       | 61.6  | 52.3  | 78.5  |



#16  
trans-1,2-Dichloroethene  
Concen: 1.998 ug/l  
RT: 3.348 min Scan# 640  
Delta R.T. 0.003 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 26496 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 128.1 | 110.6 | 166.0 |
| 98       | 61.8  | 49.8  | 74.8  |

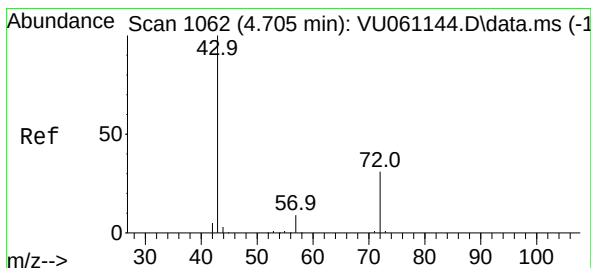
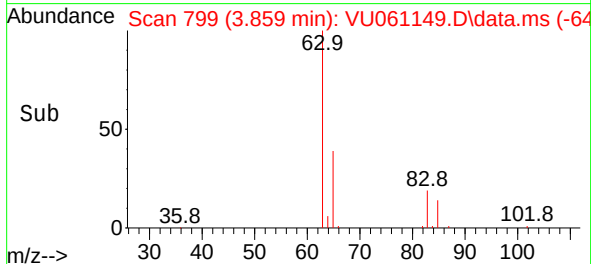
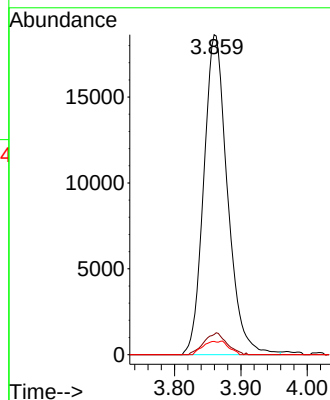
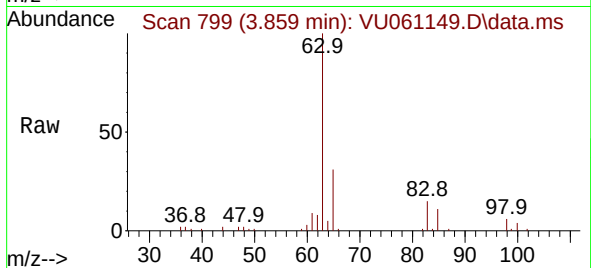




#17  
1,1-Dichloroethane  
Concen: 1.972 ug/l  
RT: 3.859 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

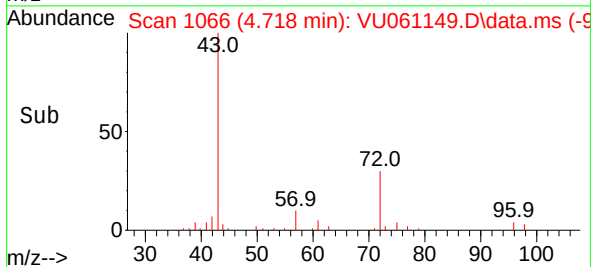
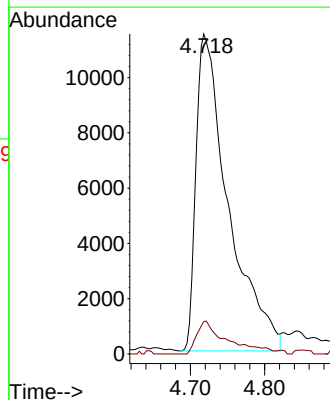
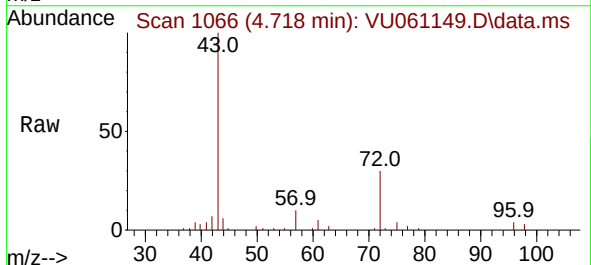
Instrument :  
MSVOA\_U  
ClientSampleId :

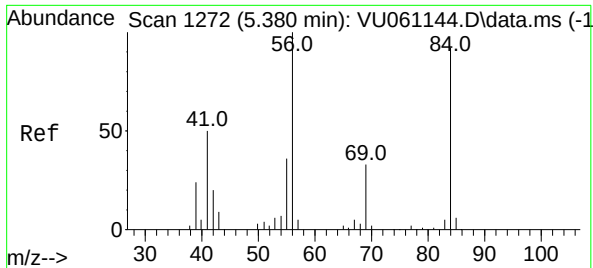
Tgt Ion: 63 Resp: 46367  
Ion Ratio Lower Upper  
63 100  
98 6.3 3.3 9.8  
100 4.1 2.1 6.5



#18  
2-Butanone  
Concen: 9.567 ug/l  
RT: 4.718 min Scan# 1066  
Delta R.T. 0.013 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

Tgt Ion: 43 Resp: 34751  
Ion Ratio Lower Upper  
43 100  
57 10.2 0.0 19.0

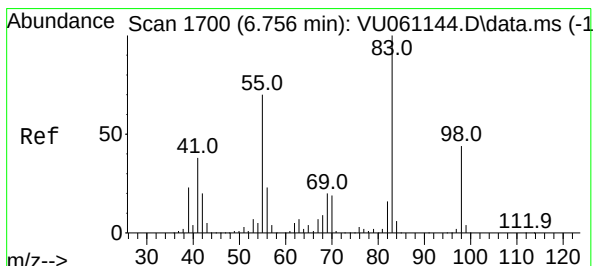
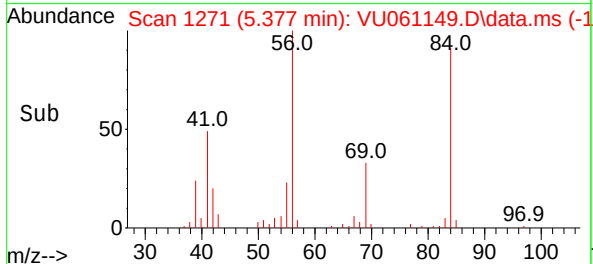
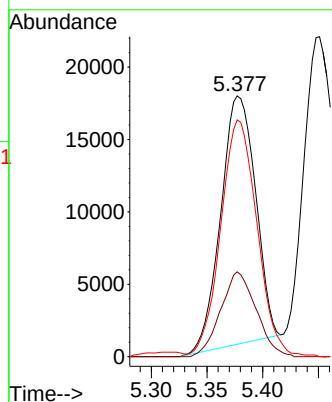
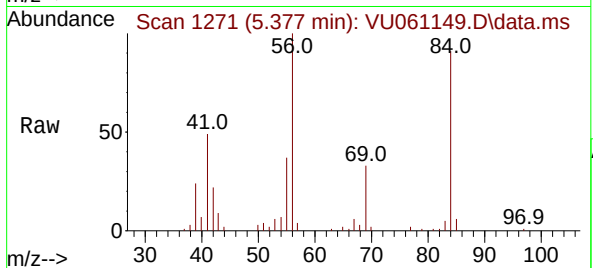




#19  
Cyclohexane  
Concen: 1.766 ug/l  
RT: 5.377 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

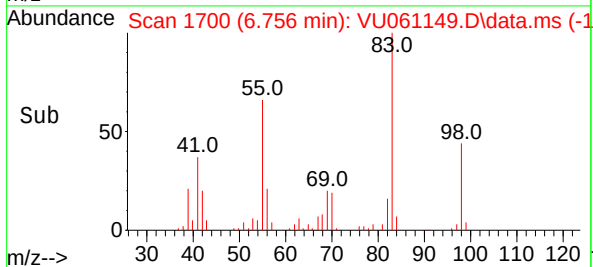
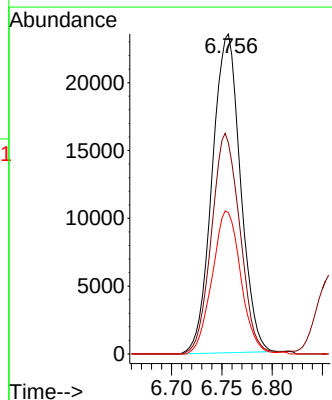
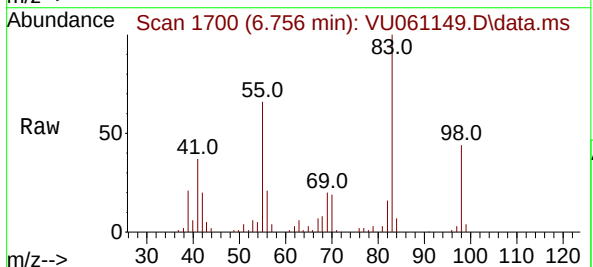
Instrument :  
MSVOA\_U  
ClientSampleId :

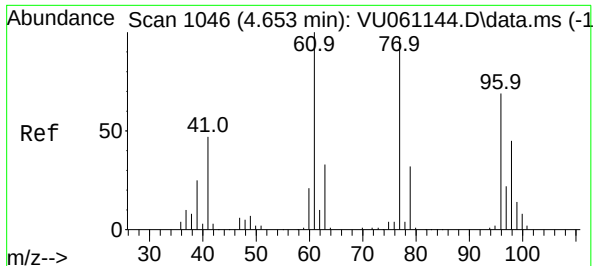
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 37192 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 34.9  | 26.2  | 39.4  |
| 84       | 98.2  | 72.7  | 109.1 |



#20  
Methylcyclohexane  
Concen: 1.957 ug/l  
RT: 6.756 min Scan# 1700  
Delta R.T. 0.000 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 45970 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 68.7  | 55.5  | 83.3  |
| 98       | 44.8  | 35.8  | 53.6  |

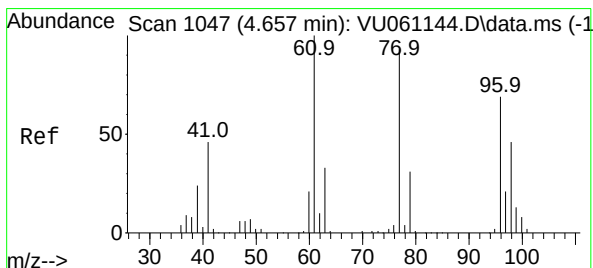
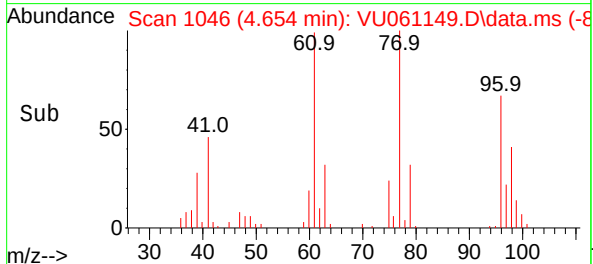
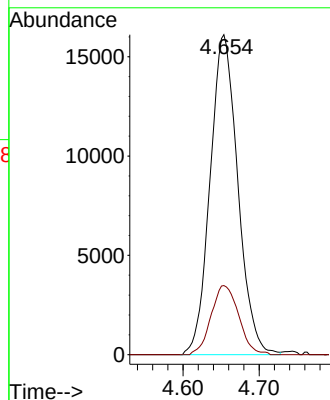
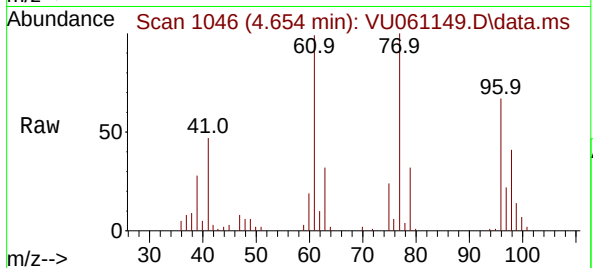




#21  
2,2-Dichloropropane  
Concen: 1.881 ug/l  
RT: 4.654 min Scan# 1046  
Delta R.T. 0.000 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

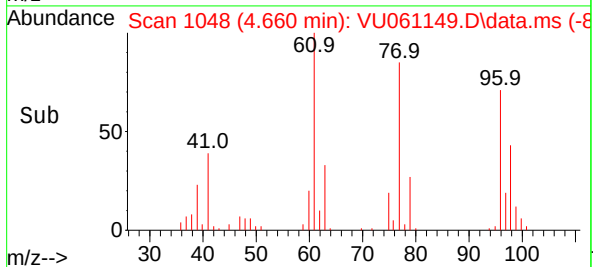
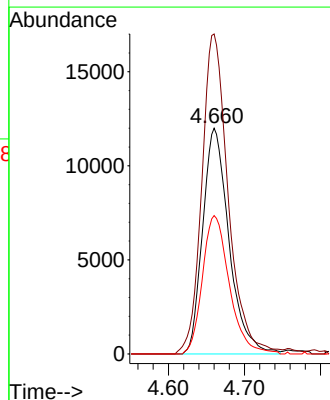
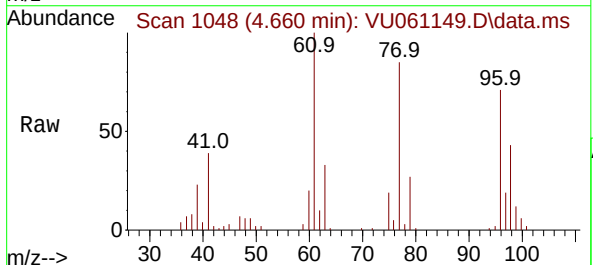
Instrument :  
MSVOA\_U  
ClientSampleId :

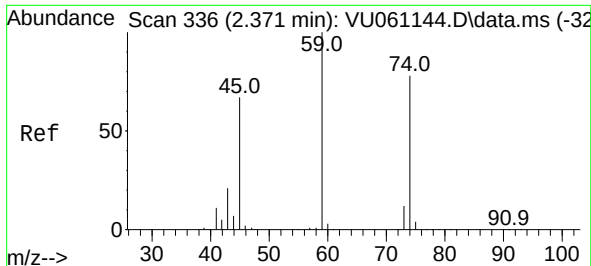
Tgt Ion: 77 Resp: 40801  
Ion Ratio Lower Upper  
77 100  
97 21.6 18.3 27.5



#22  
cis-1,2-Dichloroethene  
Concen: 1.995 ug/l  
RT: 4.660 min Scan# 1048  
Delta R.T. 0.003 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

Tgt Ion: 96 Resp: 28831  
Ion Ratio Lower Upper  
96 100  
61 142.4 0.0 364.8  
98 62.7 32.1 96.3

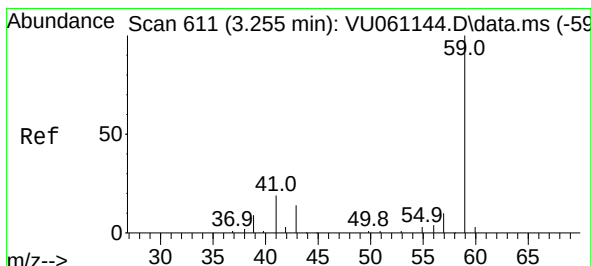
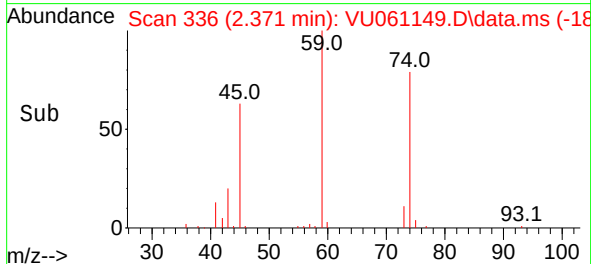
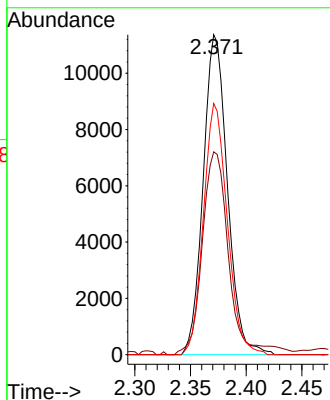
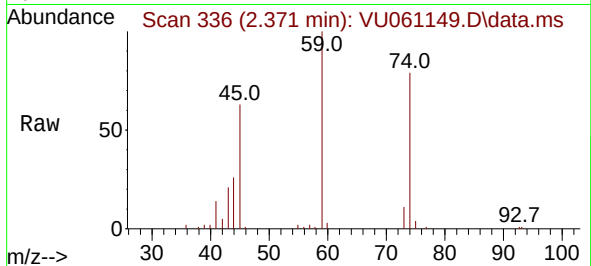




#23  
Diethyl Ether  
Concen: 1.960 ug/l  
RT: 2.371 min Scan# 308  
Delta R.T. 0.000 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

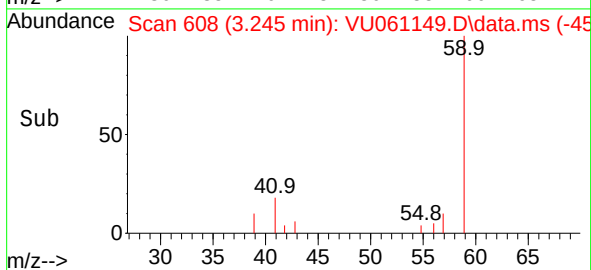
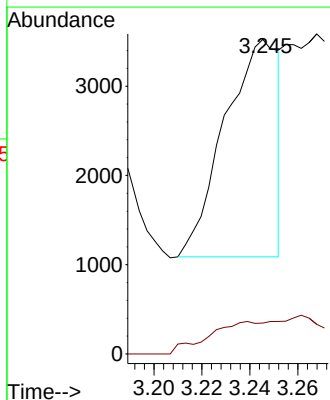
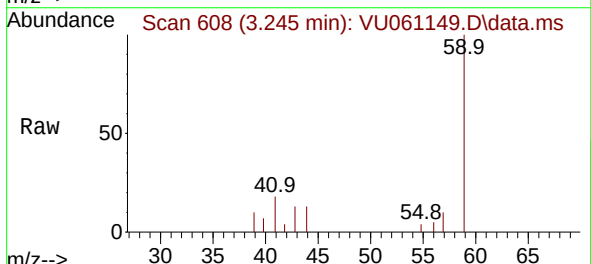
Instrument :  
MSVOA\_U  
ClientSampleId :

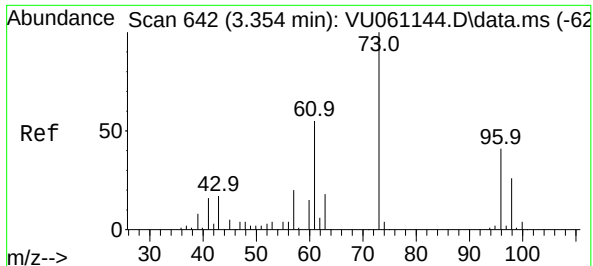
Tgt Ion: 59 Resp: 17220  
Ion Ratio Lower Upper  
59 100  
45 69.2 52.0 78.0  
74 77.3 62.2 93.2



#24  
tert-Butyl Alcohol  
Concen: 4.116 ug/l  
RT: 3.245 min Scan# 608  
Delta R.T. -0.009 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

Tgt Ion: 59 Resp: 3774  
Ion Ratio Lower Upper  
59 100  
57 13.3 3.2 4.8#





#25

Methyl tert-Butyl Ether

Concen: 1.980 ug/l

RT: 3.355 min Scan# 642

Delta R.T. 0.000 min

Lab File: VU061149.D

Acq: 17 Oct 2024 17:54

Instrument :

MSVOA\_U

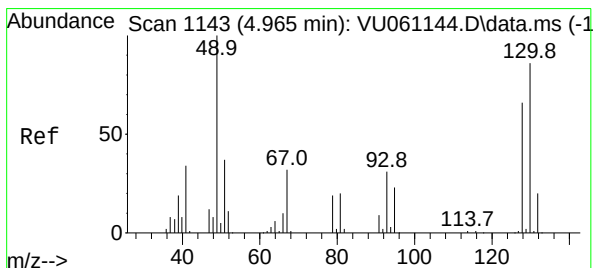
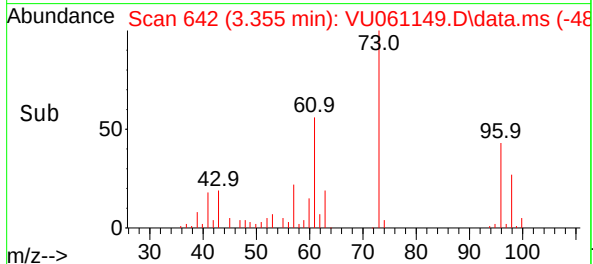
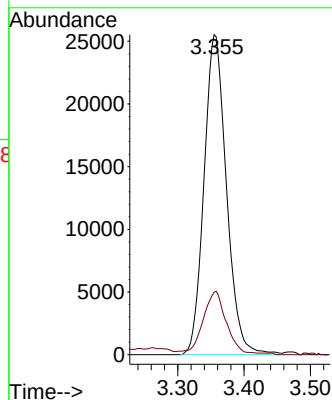
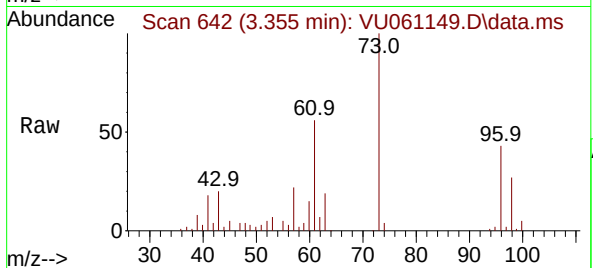
ClientSampleId :

Tgt Ion: 73 Resp: 60000

Ion Ratio Lower Upper

73 100

43 19.2 14.7 22.1



#26

Bromochloromethane

Concen: 1.972 ug/l

RT: 4.969 min Scan# 1144

Delta R.T. 0.003 min

Lab File: VU061149.D

Acq: 17 Oct 2024 17:54

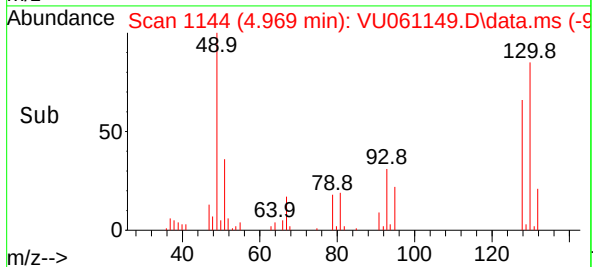
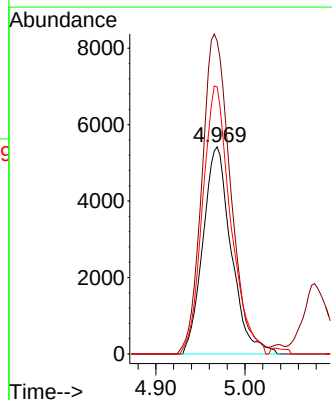
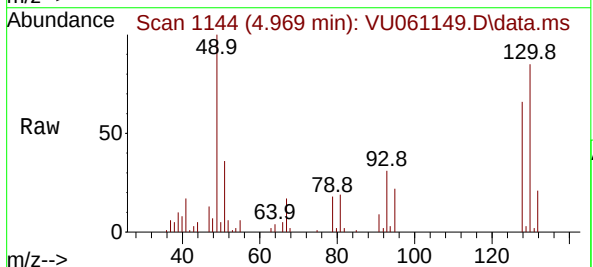
Tgt Ion: 128 Resp: 11917

Ion Ratio Lower Upper

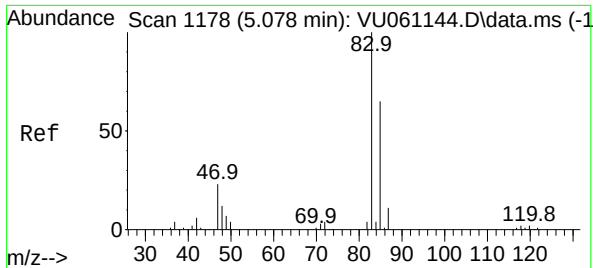
128 100

49 156.5 0.0 308.8

130 128.5 105.3 157.9



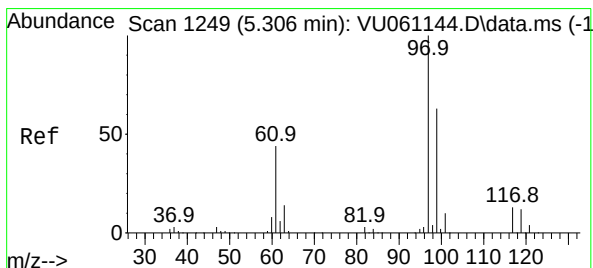
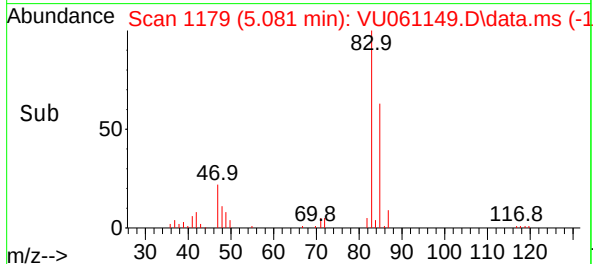
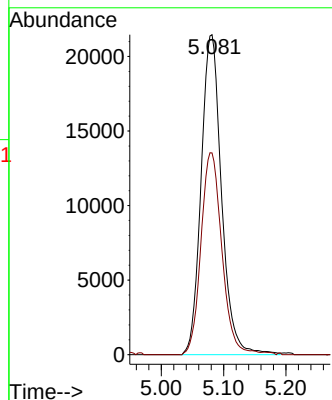
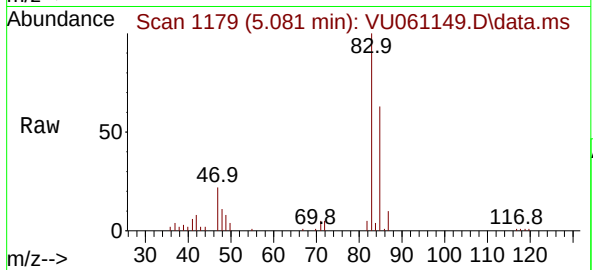




#27  
Chloroform  
Concen: 1.984 ug/l  
RT: 5.081 min Scan# 1178  
Delta R.T. 0.003 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

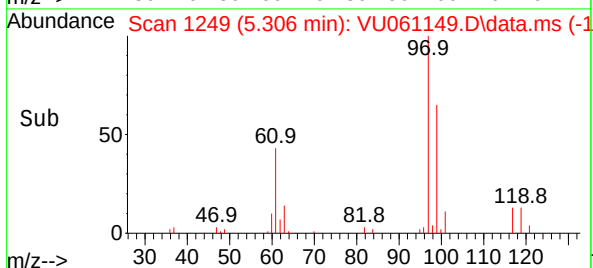
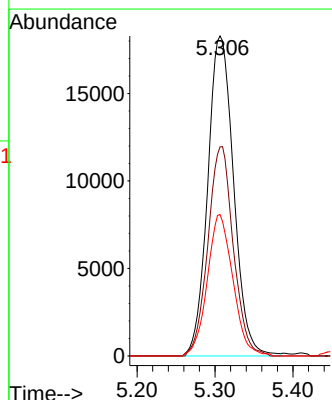
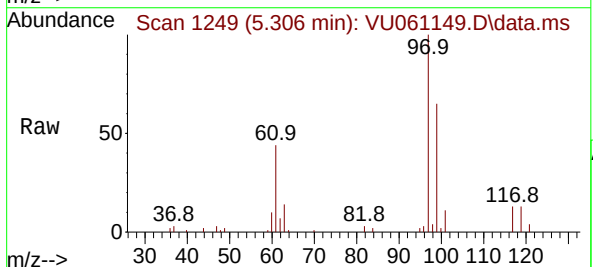
Instrument :  
MSVOA\_U  
ClientSampleId :

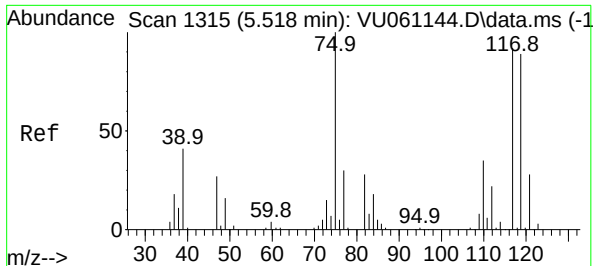
Tgt Ion: 83 Resp: 48923  
Ion Ratio Lower Upper  
83 100  
85 63.0 0.0 129.6



#28  
1,1,1-Trichloroethane  
Concen: 1.943 ug/l  
RT: 5.306 min Scan# 1249  
Delta R.T. 0.000 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

Tgt Ion: 97 Resp: 42241  
Ion Ratio Lower Upper  
97 100  
99 64.2 31.9 95.5  
61 43.6 22.1 66.1

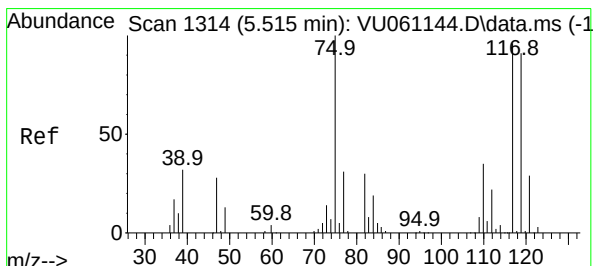
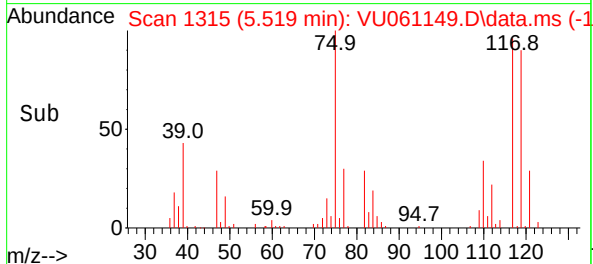
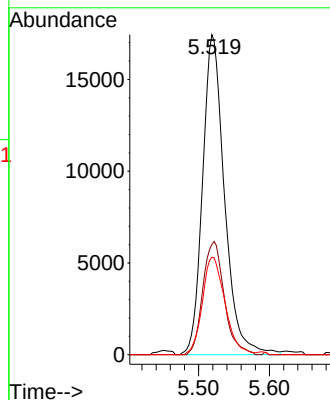
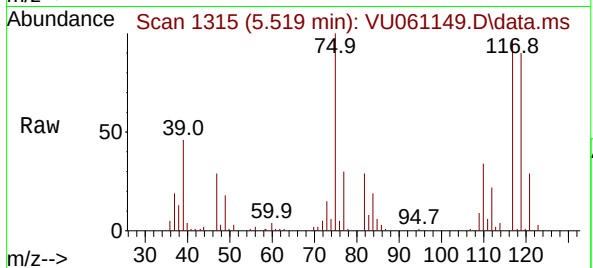




#29  
1,1-Dichloropropene  
Concen: 1.948 ug/l  
RT: 5.519 min Scan# 1315  
Delta R.T. 0.000 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

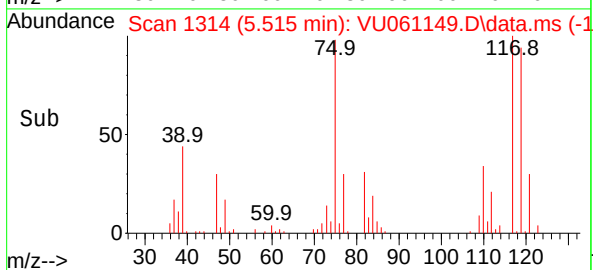
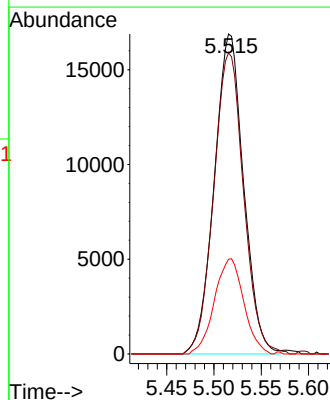
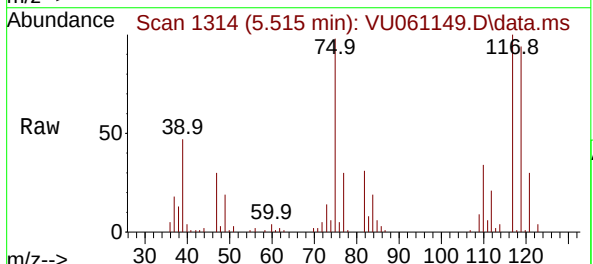
Instrument :  
MSVOA\_U  
ClientSampleId :

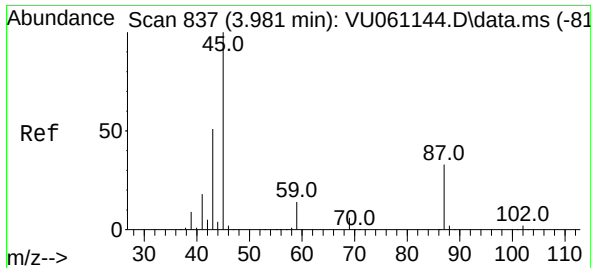
Tgt Ion: 75 Resp: 37439  
Ion Ratio Lower Upper  
75 100  
110 34.5 17.8 53.3  
77 31.5 24.6 37.0



#30  
Carbon Tetrachloride  
Concen: 1.931 ug/l  
RT: 5.515 min Scan# 1314  
Delta R.T. 0.000 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

Tgt Ion: 117 Resp: 36428  
Ion Ratio Lower Upper  
117 100  
119 94.1 76.4 114.6  
121 29.6 24.1 36.1

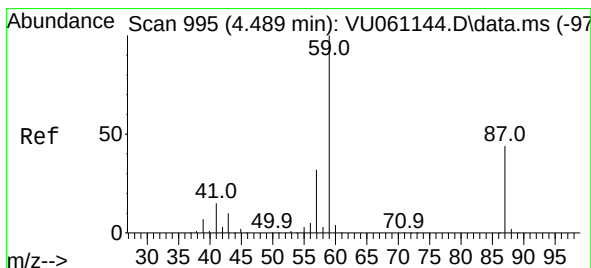
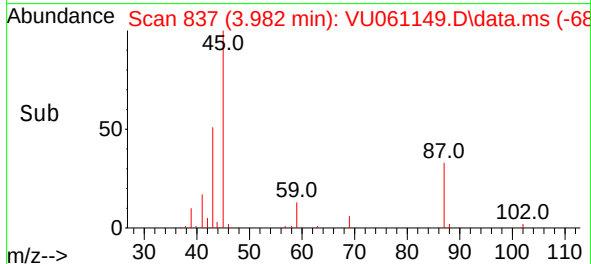
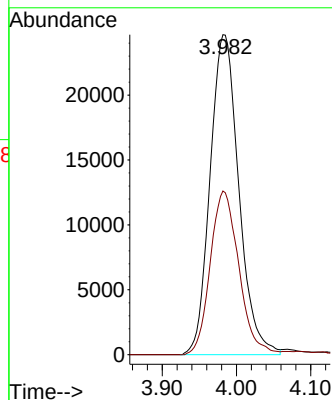
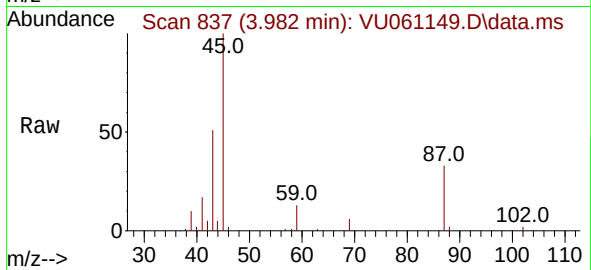




#31  
Isopropyl Ether  
Concen: 1.975 ug/l  
RT: 3.982 min Scan# 837  
Delta R.T. 0.000 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

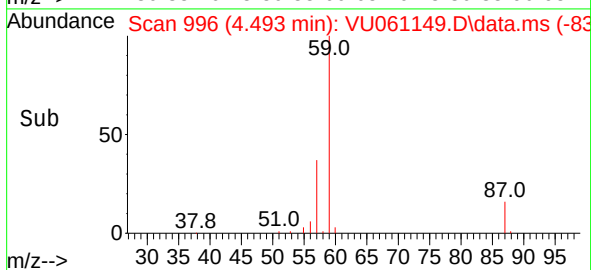
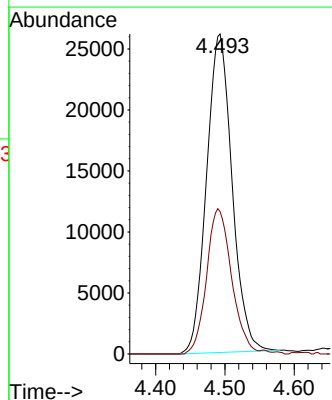
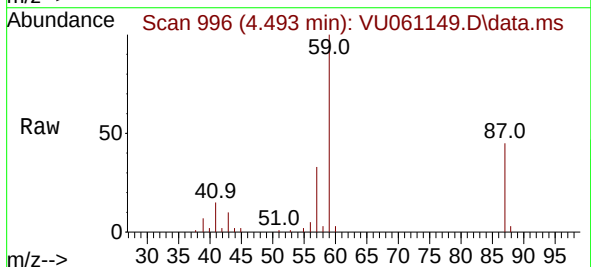
Instrument :  
MSVOA\_U  
ClientSampleId :

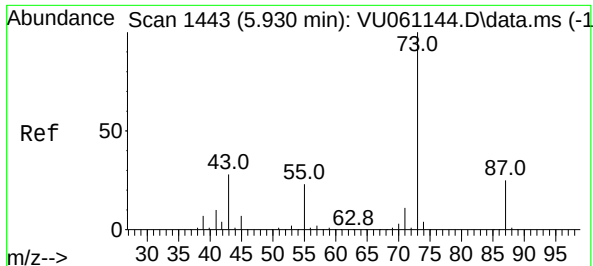
Tgt Ion: 45 Resp: 66256  
Ion Ratio Lower Upper  
45 100  
43 51.0 25.7 77.0



#32  
Ethyl-t-butyl ether  
Concen: 1.940 ug/l  
RT: 4.493 min Scan# 996  
Delta R.T. 0.003 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

Tgt Ion: 59 Resp: 66927  
Ion Ratio Lower Upper  
59 100  
87 43.3 34.7 52.1





#33

Tert-Amyl methyl ether

Concen: 2.013 ug/l

RT: 5.930 min Scan# 1443

Delta R.T. 0.000 min

Lab File: VU061149.D

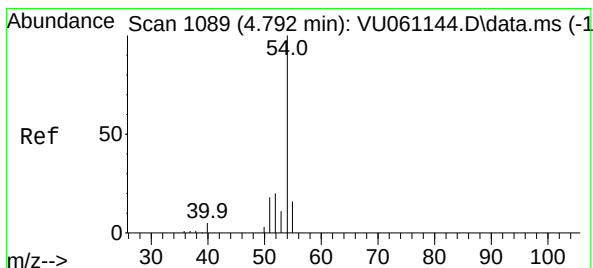
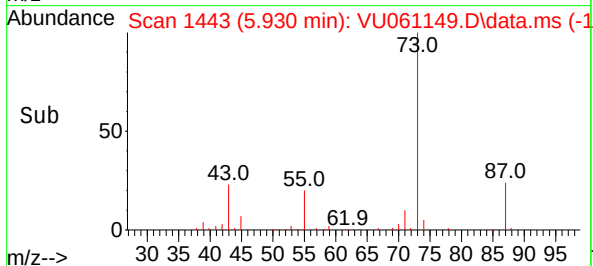
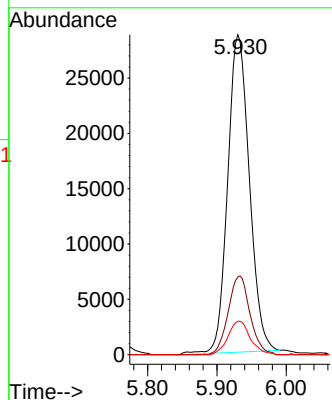
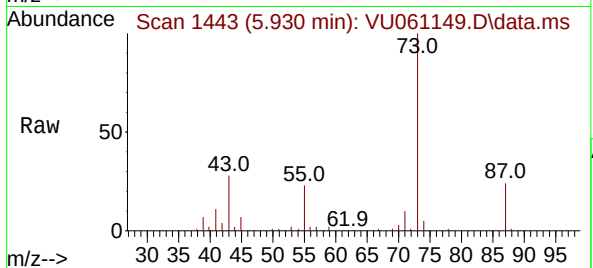
Acq: 17 Oct 2024 17:54

Instrument :

MSVOA\_U

ClientSampleId :

|             |                |
|-------------|----------------|
| Tgt Ion: 73 | Resp: 62496    |
| Ion Ratio   | Lower Upper    |
| 73          | 100            |
| 87          | 24.8 19.8 29.8 |
| 71          | 10.8 8.6 12.8  |



#34

Propionitrile

Concen: 9.419 ug/l

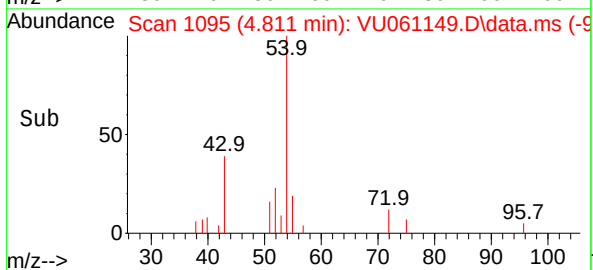
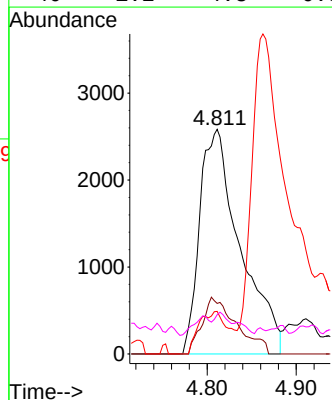
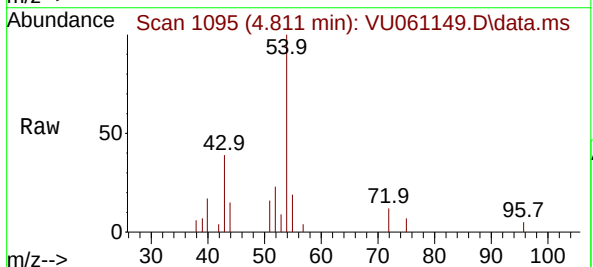
RT: 4.811 min Scan# 1095

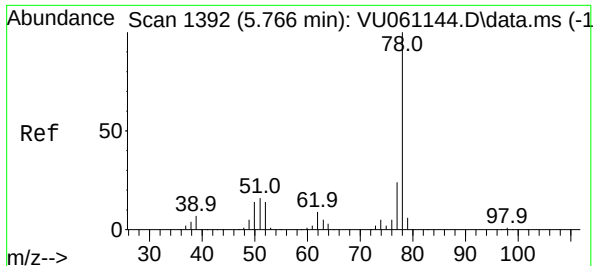
Delta R.T. 0.020 min

Lab File: VU061149.D

Acq: 17 Oct 2024 17:54

|             |                |
|-------------|----------------|
| Tgt Ion: 54 | Resp: 8162     |
| Ion Ratio   | Lower Upper    |
| 54          | 100            |
| 52          | 21.6 15.3 22.9 |
| 55          | 14.0 9.7 14.5  |
| 40          | 1.2 4.3 6.5    |

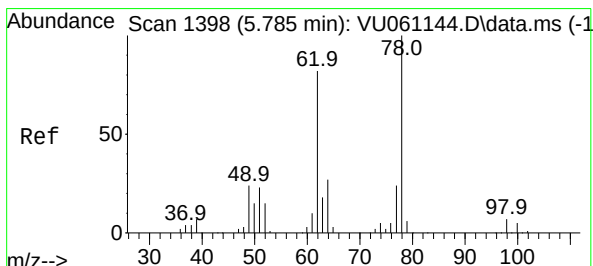
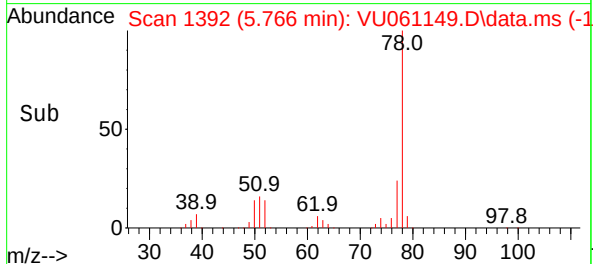
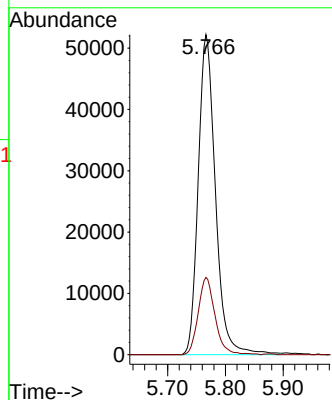
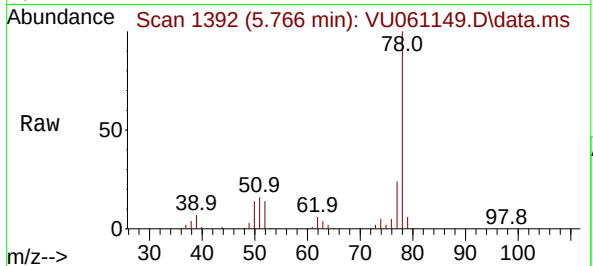




#35  
Benzene  
Concen: 2.000 ug/l  
RT: 5.766 min Scan# 1392  
Delta R.T. 0.000 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

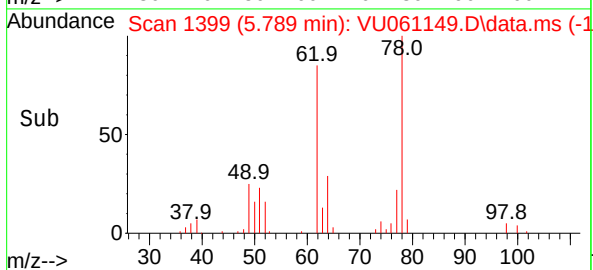
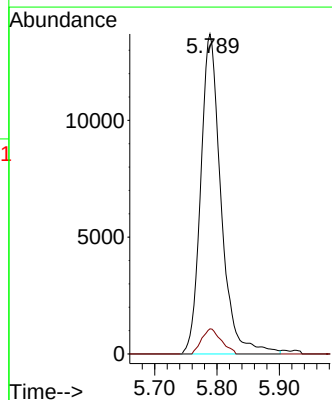
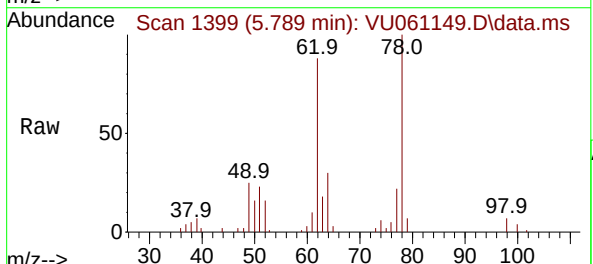
Instrument :  
MSVOA\_U  
ClientSampleId :

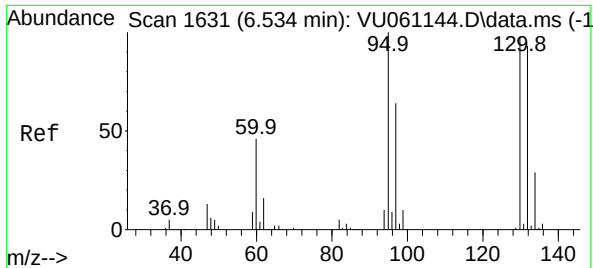
Tgt Ion: 78 Resp: 108221  
Ion Ratio Lower Upper  
78 100  
77 24.2 19.4 29.0



#36  
1,2-Dichloroethane  
Concen: 2.028 ug/l  
RT: 5.789 min Scan# 1399  
Delta R.T. 0.003 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

Tgt Ion: 62 Resp: 30986  
Ion Ratio Lower Upper  
62 100  
98 7.5 7.0 10.4

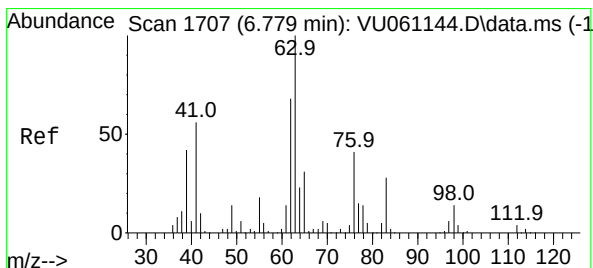
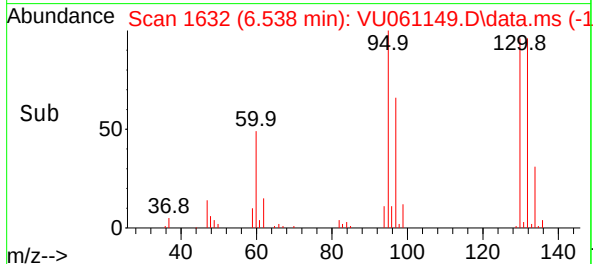
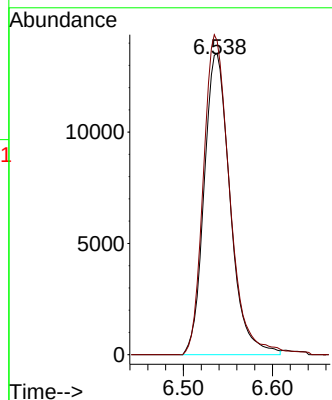
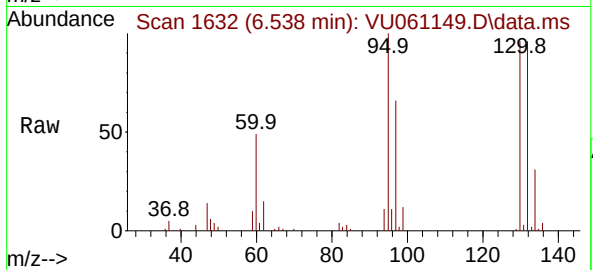




#37  
Trichloroethene  
Concen: 1.902 ug/l  
RT: 6.538 min Scan# 1  
Delta R.T. 0.003 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

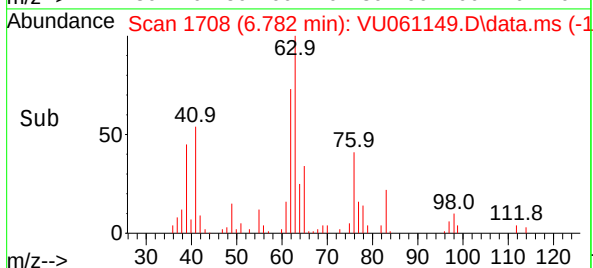
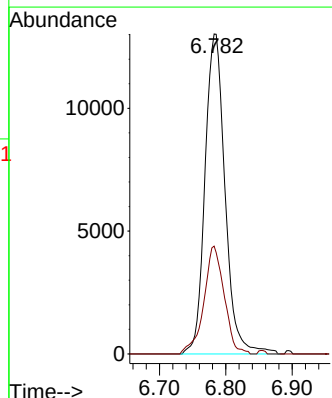
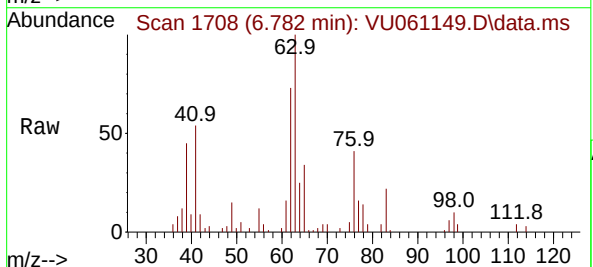
Instrument :  
MSVOA\_U  
ClientSampleId :

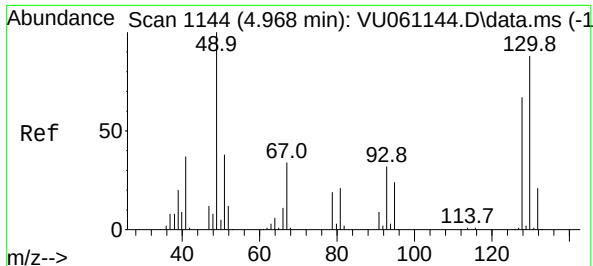
Tgt Ion:130 Resp: 27472  
Ion Ratio Lower Upper  
130 100  
95 104.1 82.6 123.8



#38  
1,2-Dichloropropane  
Concen: 2.000 ug/l  
RT: 6.782 min Scan# 1708  
Delta R.T. 0.003 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

Tgt Ion: 63 Resp: 27406  
Ion Ratio Lower Upper  
63 100  
65 33.7 25.0 37.6





#39

Methacrylonitrile

Concen: 2.019 ug/l

RT: 4.978 min Scan# 1147

Delta R.T. 0.010 min

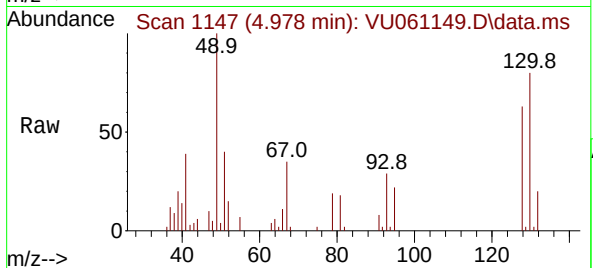
Lab File: VU061149.D

Acq: 17 Oct 2024 17:54

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion: 41 Resp: 6302

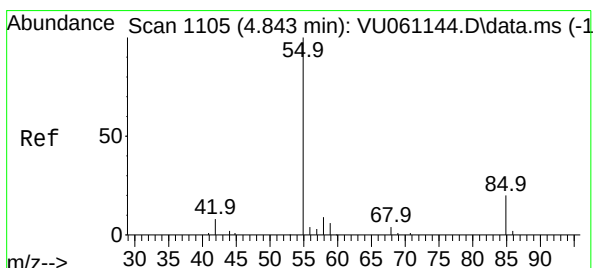
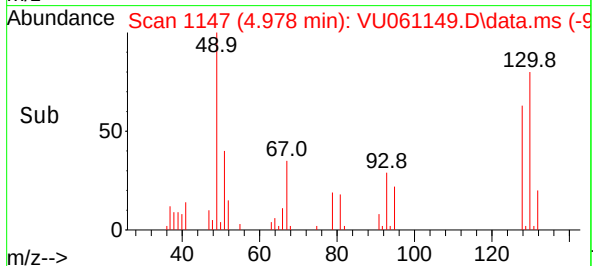
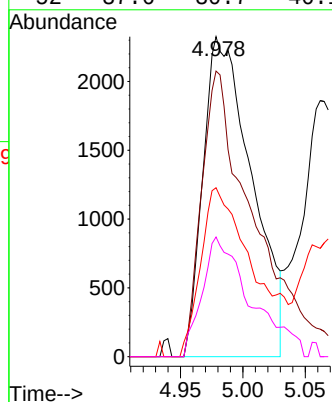
Ion Ratio Lower Upper

41 100

67 95.5 78.1 117.1

39 57.1 44.6 67.0

52 37.6 30.7 46.1



#40

Methyl acrylate

Concen: 1.401 ug/l

RT: 4.863 min Scan# 1111

Delta R.T. 0.020 min

Lab File: VU061149.D

Acq: 17 Oct 2024 17:54

Tgt Ion: 55 Resp: 8870

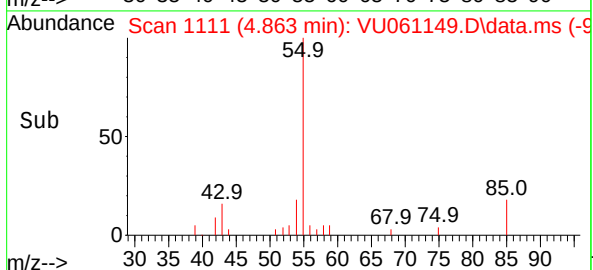
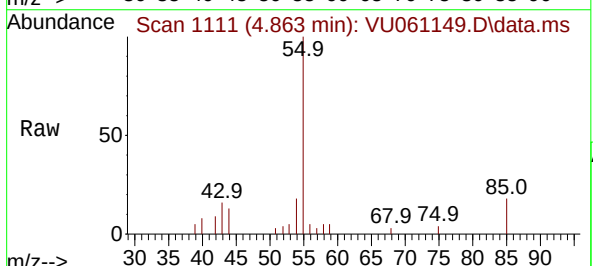
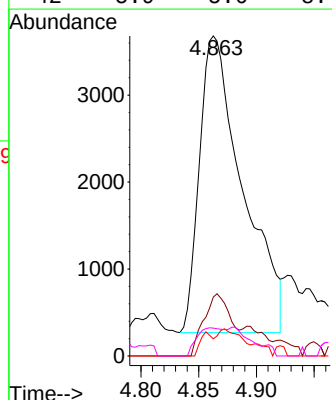
Ion Ratio Lower Upper

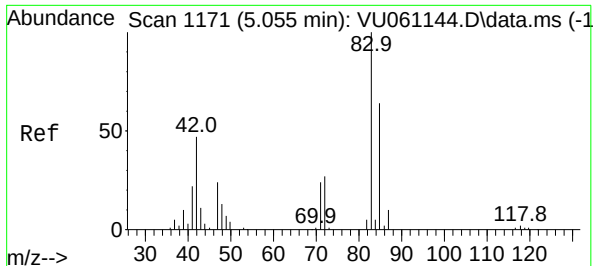
55 100

85 13.1 14.1 21.1#

58 2.3 6.9 10.3#

42 5.9 5.6 8.4

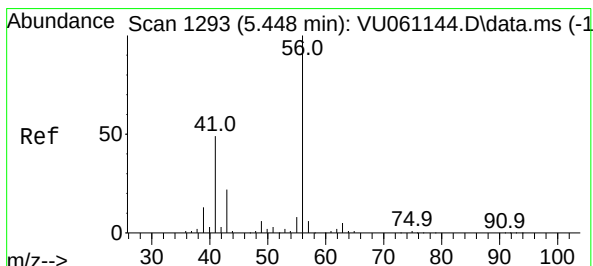
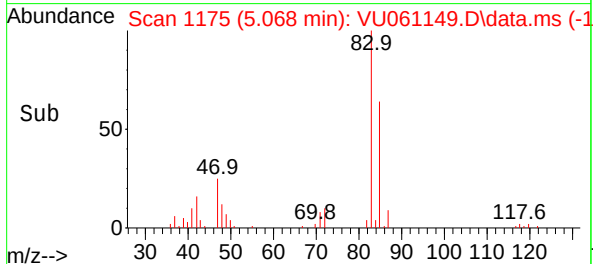
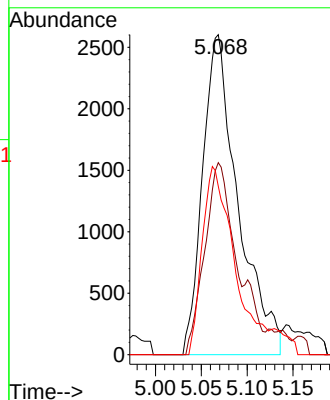
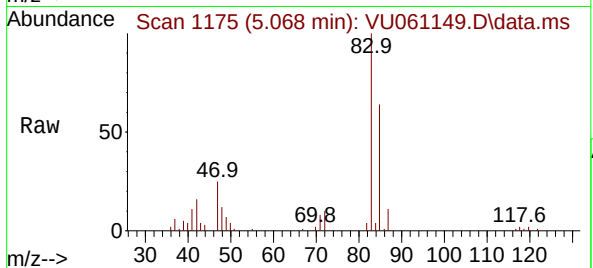




#41  
Tetrahydrofuran  
Concen: 3.733 ug/l  
RT: 5.068 min Scan# 1175  
Delta R.T. 0.013 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

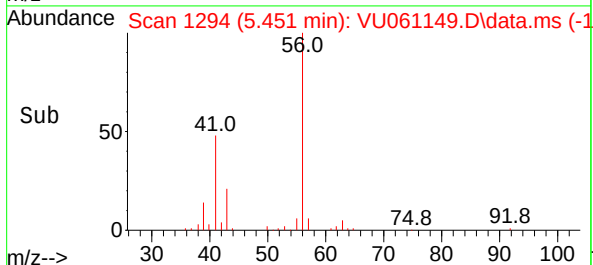
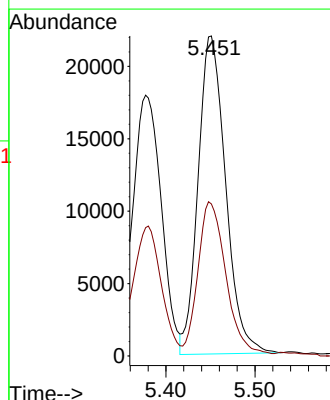
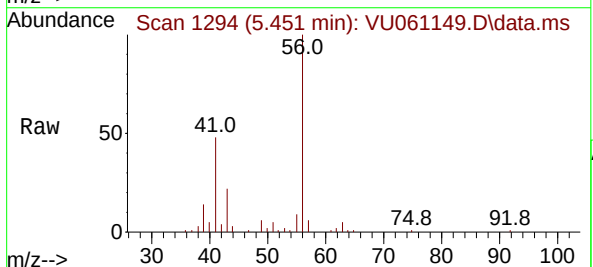
Instrument :  
MSVOA\_U  
ClientSampleId :

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 42    | Resp: | 6998 |
| Ion Ratio | Lower | Upper |      |
| 42        | 100   |       |      |
| 72        | 55.9  | 47.8  | 71.8 |
| 71        | 53.3  | 41.5  | 62.3 |

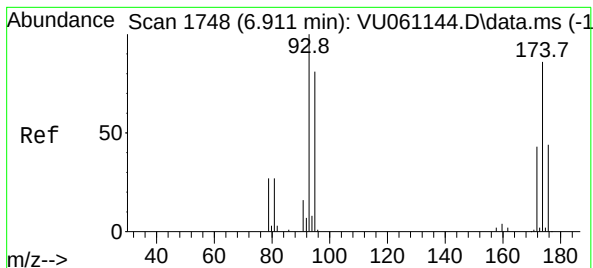


#42  
1-Chlorobutane  
Concen: 1.915 ug/l  
RT: 5.451 min Scan# 1294  
Delta R.T. 0.003 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 56    | Resp: | 47222 |
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 41        | 49.7  | 23.9  | 71.7  |







#43

Dibromomethane

Concen: 1.968 ug/l

RT: 6.914 min Scan# 1

Delta R.T. 0.003 min

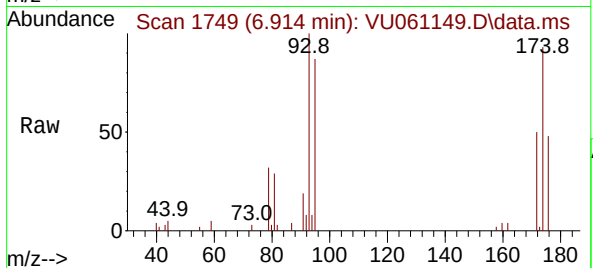
Lab File: VU061149.D

Acq: 17 Oct 2024 17:54

Instrument :

MSVOA\_U

ClientSampleId :



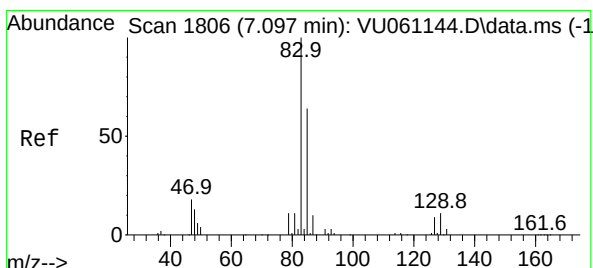
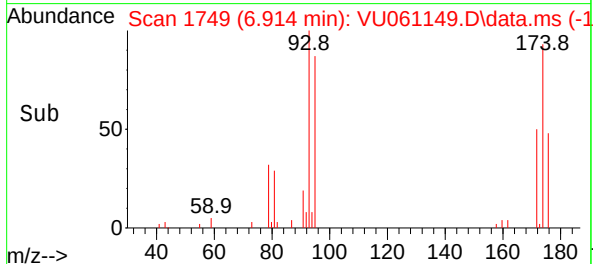
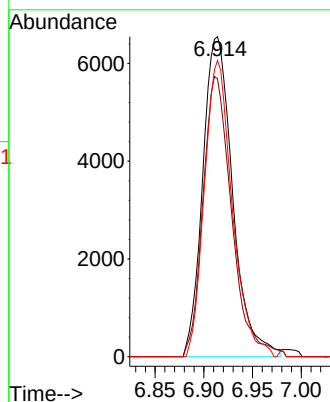
Tgt Ion: 93 Resp: 13982

Ion Ratio Lower Upper

93 100

95 83.9 67.5 101.3

174 86.3 71.2 106.8



#44

Bromodichloromethane

Concen: 1.963 ug/l

RT: 7.097 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VU061149.D

Acq: 17 Oct 2024 17:54

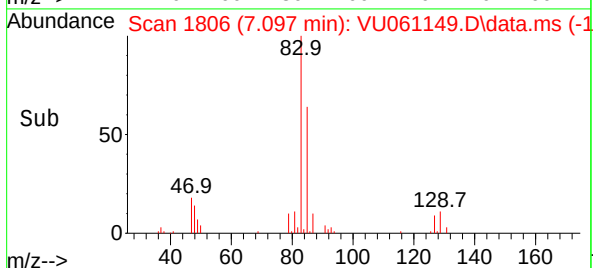
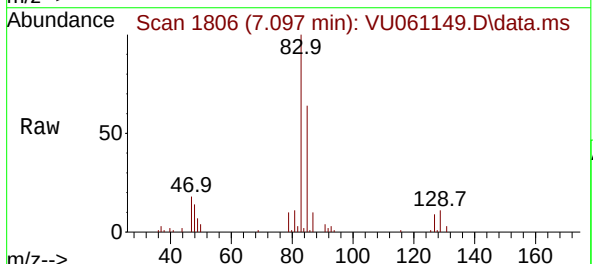
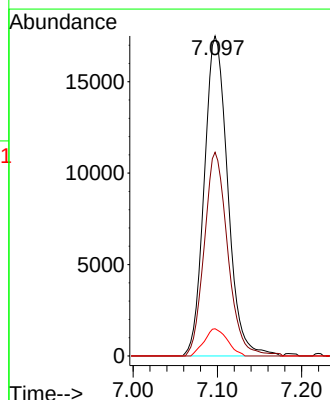
Tgt Ion: 83 Resp: 33917

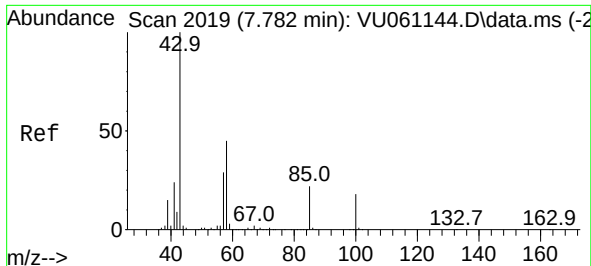
Ion Ratio Lower Upper

83 100

85 63.7 51.4 77.2

127 9.7 7.4 11.2

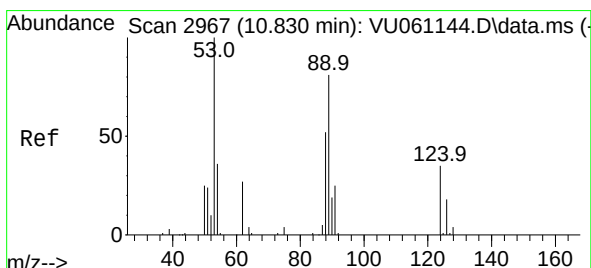
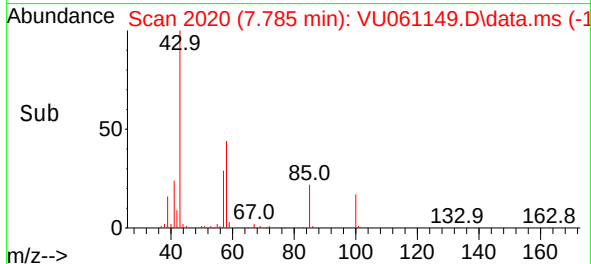
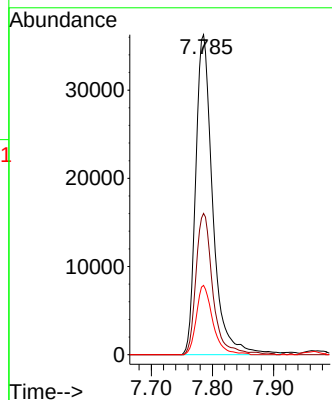
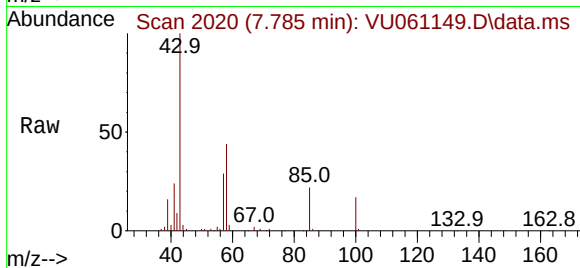




#45  
4-Methyl-2-Pentanone  
Concen: 9.849 ug/l  
RT: 7.785 min Scan# 2019  
Delta R.T. 0.003 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

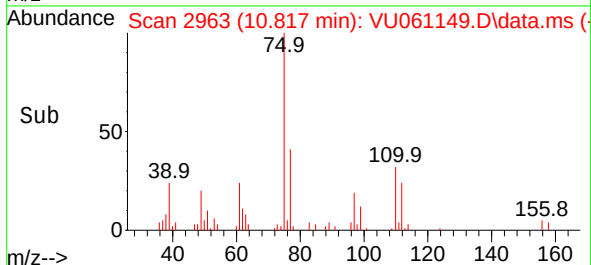
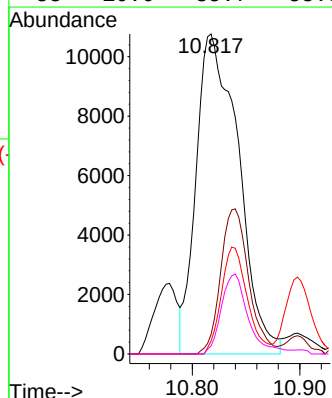
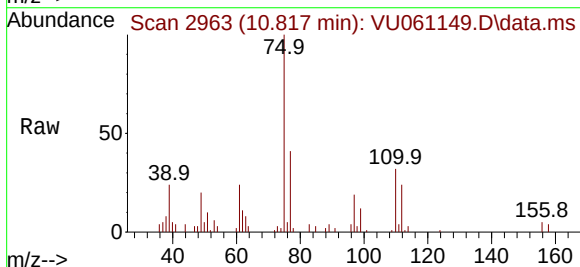
Instrument :  
MSVOA\_U  
ClientSampleId :

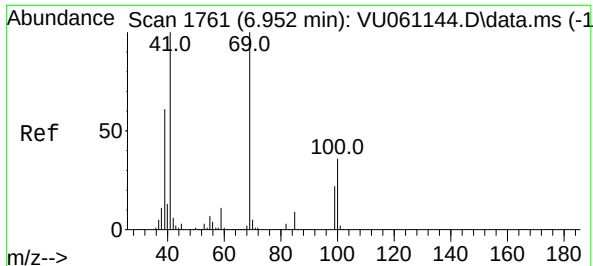
Tgt Ion: 43 Resp: 70256  
Ion Ratio Lower Upper  
43 100  
58 43.1 22.2 66.6  
85 20.7 17.2 25.8



#46  
t-1,4-Dichloro-2-butene  
Concen: 10.296 ug/l  
RT: 10.817 min Scan# 2963  
Delta R.T. -0.013 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

Tgt Ion: 75 Resp: 29283  
Ion Ratio Lower Upper  
75 100  
53 30.4 66.0 99.0#  
89 20.7 48.0 72.0#  
88 16.0 35.7 53.5#





#47

Methyl methacrylate

Concen: 4.041 ug/l

RT: 6.959 min Scan# 1

Delta R.T. 0.007 min

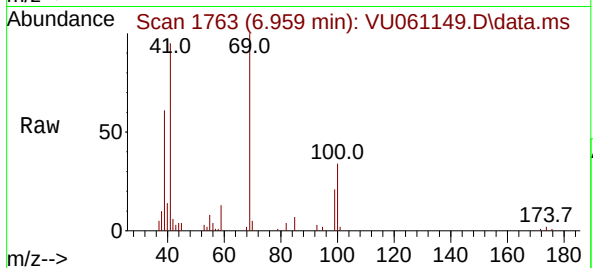
Lab File: VU061149.D

Acq: 17 Oct 2024 17:54

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion: 69 Resp: 24958

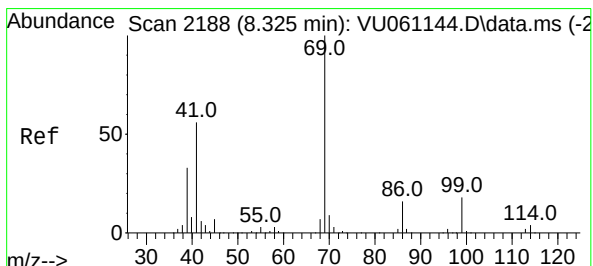
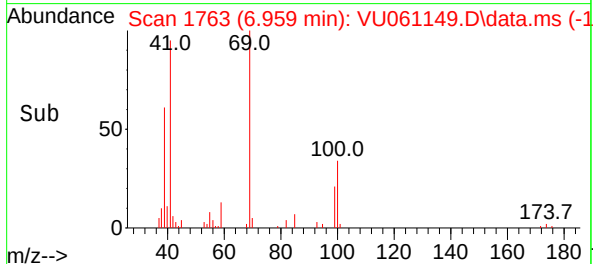
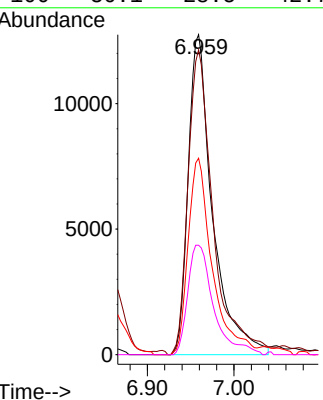
Ion Ratio Lower Upper

69 100

41 98.7 0.0 196.0

39 60.8 48.0 72.0

100 36.1 28.5 42.7



#48

Ethyl methacrylate

Concen: 1.931 ug/l

RT: 8.329 min Scan# 2189

Delta R.T. 0.003 min

Lab File: VU061149.D

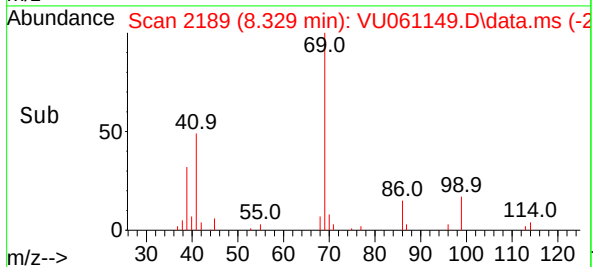
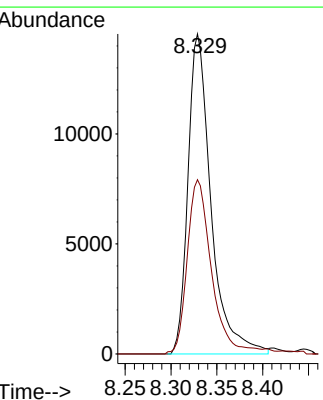
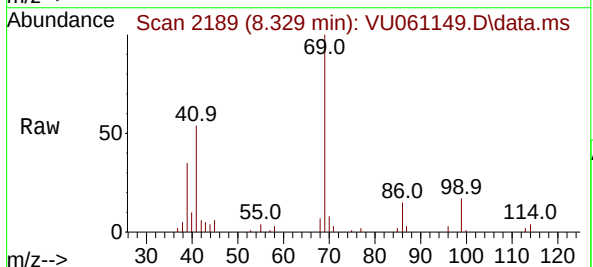
Acq: 17 Oct 2024 17:54

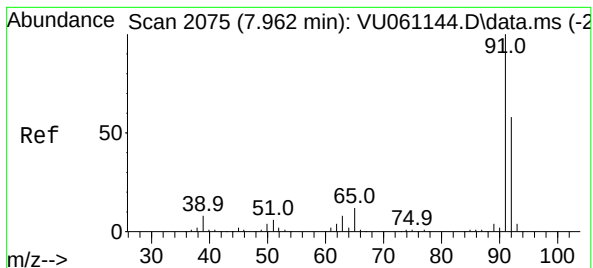
Tgt Ion: 69 Resp: 25428

Ion Ratio Lower Upper

69 100

41 57.9 28.1 84.3





#49

Toluene

Concen: 1.991 ug/l

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU061149.D

Acq: 17 Oct 2024 17:54

Instrument :

MSVOA\_U

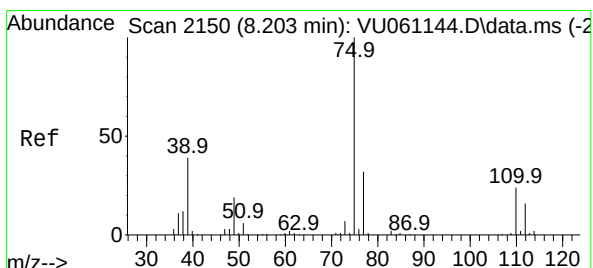
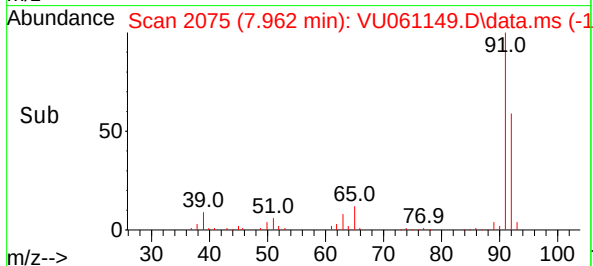
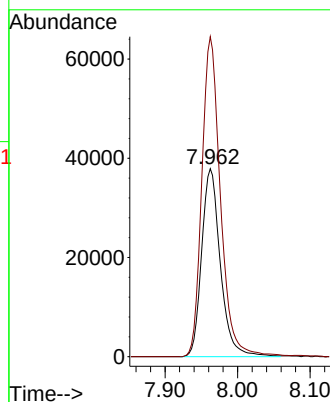
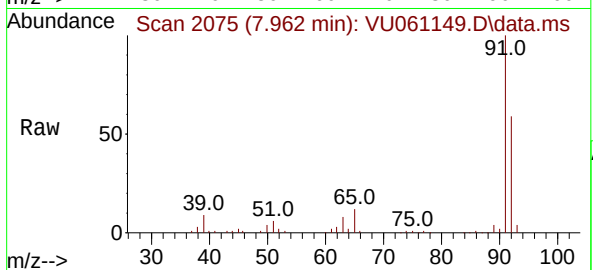
ClientSampleId :

Tgt Ion: 92 Resp: 68059

Ion Ratio Lower Upper

92 100

91 169.5 139.1 208.7



#50

t-1,3-Dichloropropene

Concen: 1.891 ug/l

RT: 8.207 min Scan# 2151

Delta R.T. 0.003 min

Lab File: VU061149.D

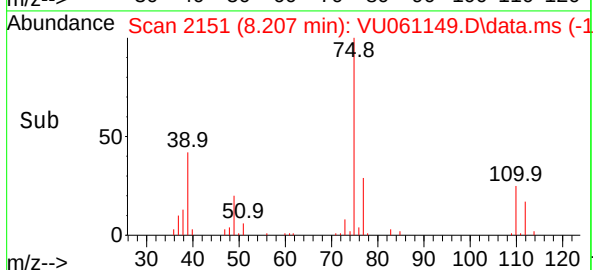
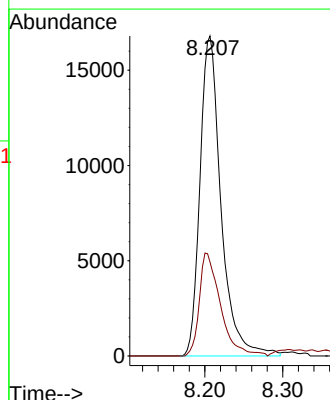
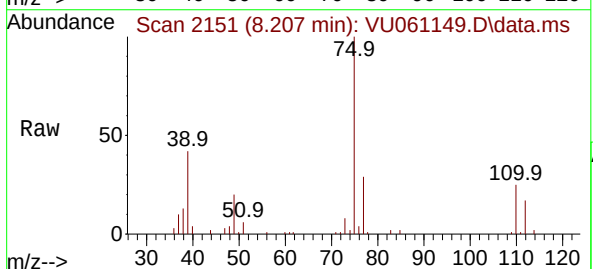
Acq: 17 Oct 2024 17:54

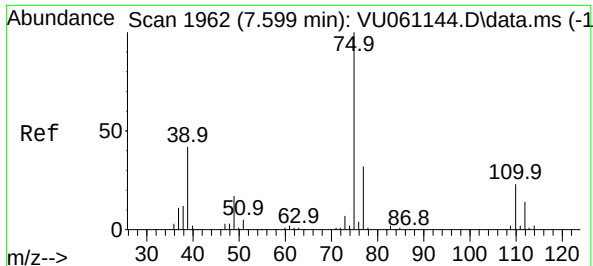
Tgt Ion: 75 Resp: 31510

Ion Ratio Lower Upper

75 100

77 29.4 25.9 38.9

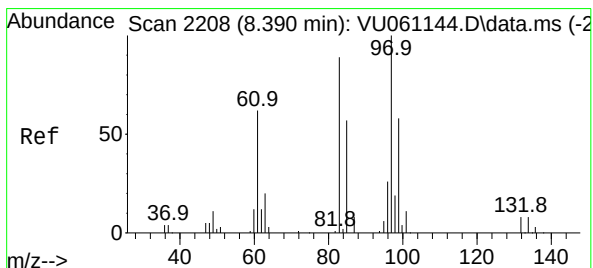
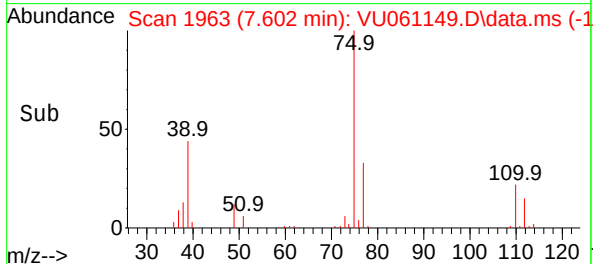
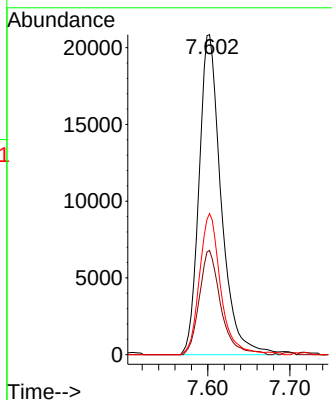
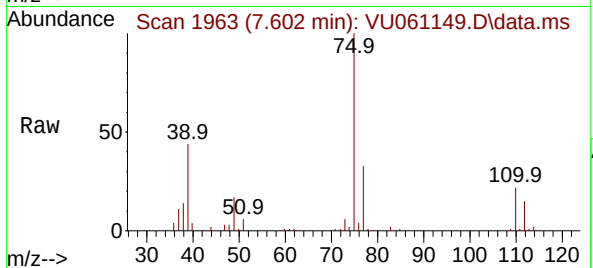




#51  
 cis-1,3-Dichloropropene  
 Concen: 1.908 ug/l  
 RT: 7.602 min Scan# 1962  
 Delta R.T. 0.003 min  
 Lab File: VU061149.D  
 Acq: 17 Oct 2024 17:54

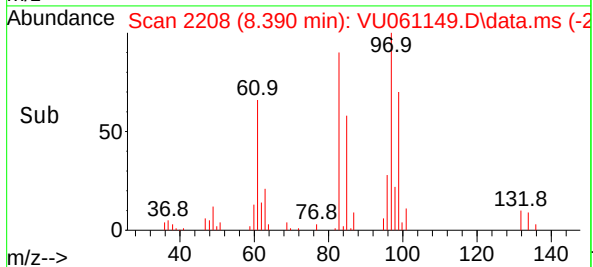
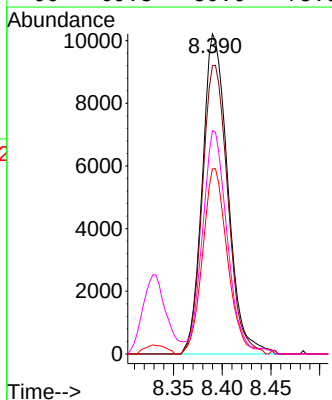
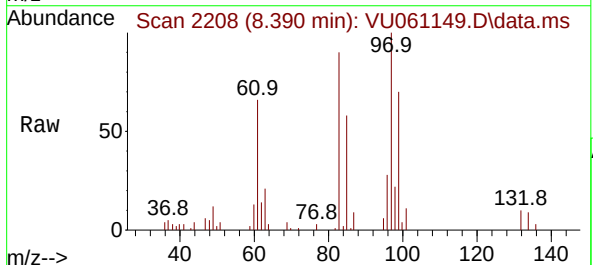
Instrument :  
 MSVOA\_U  
 ClientSampleId :

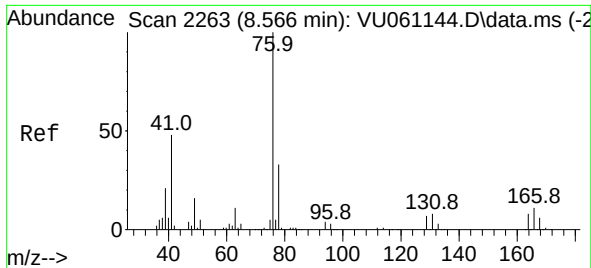
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 39005 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 32.5  | 25.8  | 38.8  |
| 39       | 44.1  | 33.7  | 50.5  |



#52  
 1,1,2-Trichloroethane  
 Concen: 1.933 ug/l  
 RT: 8.390 min Scan# 2208  
 Delta R.T. 0.000 min  
 Lab File: VU061149.D  
 Acq: 17 Oct 2024 17:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 18522 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 90.1  | 71.0  | 106.4 |
| 85       | 57.9  | 46.1  | 69.1  |
| 99       | 69.8  | 50.6  | 75.8  |





#53

1,3-Dichloropropane

Concen: 2.006 ug/l

RT: 8.570 min Scan# 2264

Delta R.T. 0.003 min

Lab File: VU061149.D

Acq: 17 Oct 2024 17:54

Instrument :

MSVOA\_U

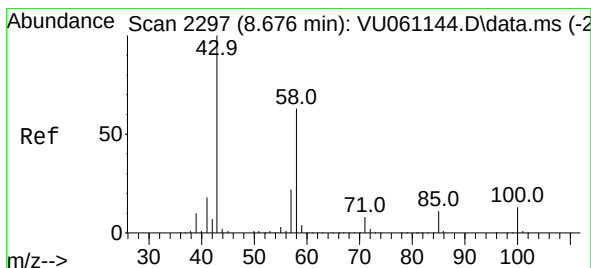
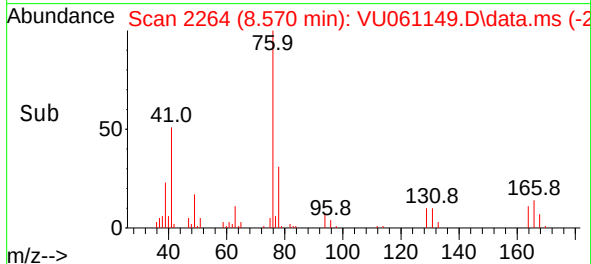
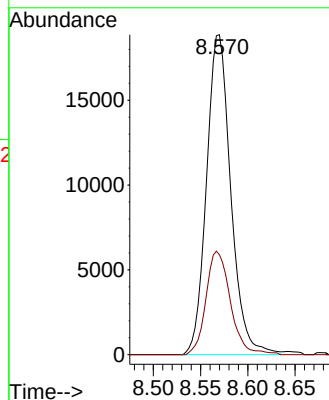
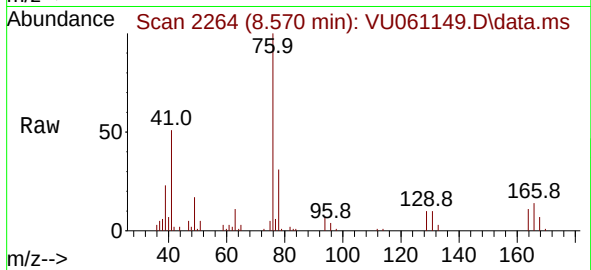
ClientSampleId :

Tgt Ion: 76 Resp: 33758

Ion Ratio Lower Upper

76 100

78 32.5 26.2 39.2



#54

2-Hexanone

Concen: 9.601 ug/l

RT: 8.679 min Scan# 2298

Delta R.T. 0.003 min

Lab File: VU061149.D

Acq: 17 Oct 2024 17:54

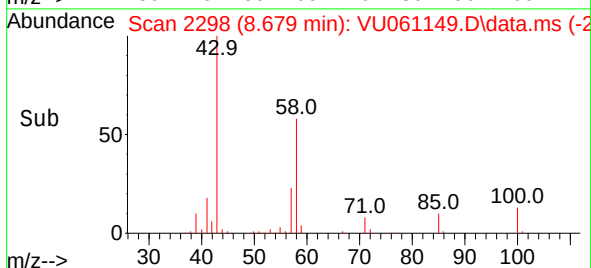
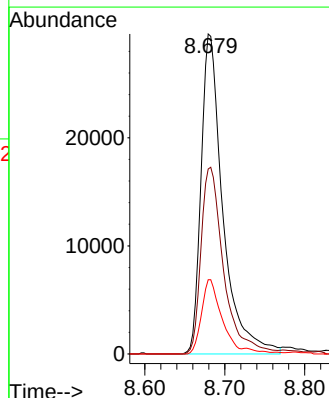
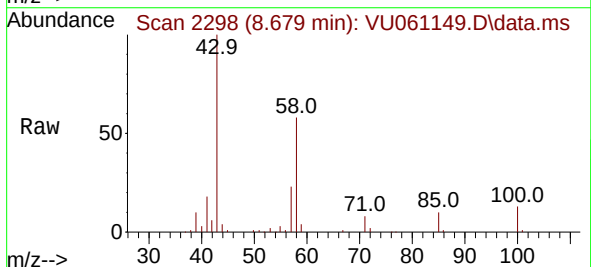
Tgt Ion: 43 Resp: 56260

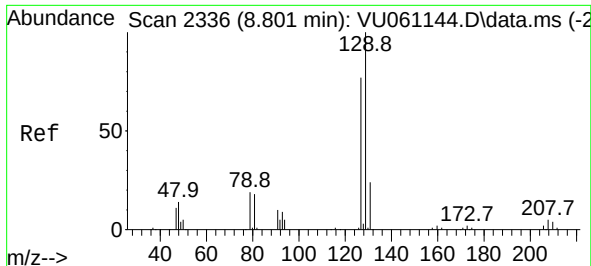
Ion Ratio Lower Upper

43 100

58 60.4 41.8 81.8

57 21.1 1.4 41.4





#55

Dibromochloromethane

Concen: 1.950 ug/l

RT: 8.801 min Scan# 2336

Delta R.T. 0.000 min

Lab File: VU061149.D

Acq: 17 Oct 2024 17:54

Instrument :

MSVOA\_U

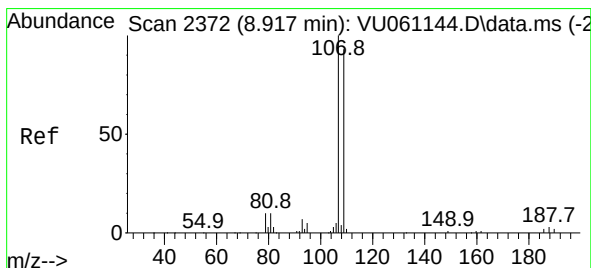
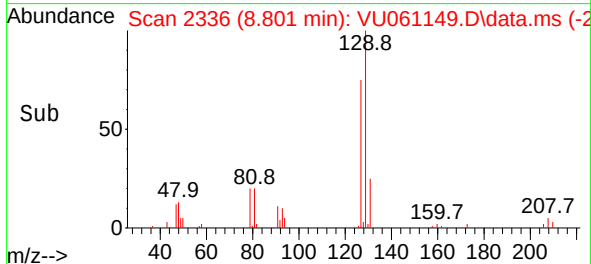
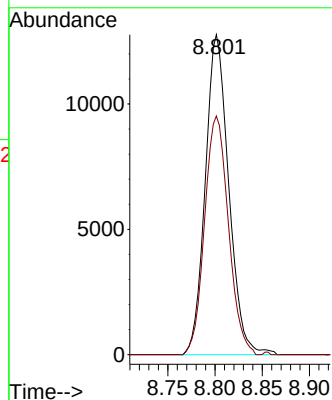
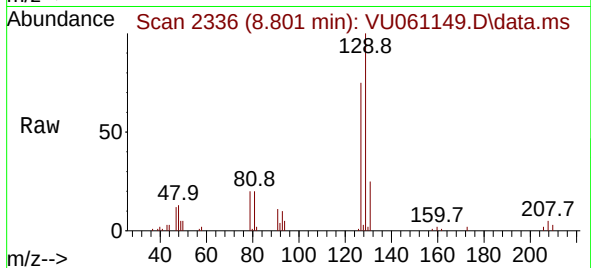
ClientSampleId :

Tgt Ion:129 Resp: 22057

Ion Ratio Lower Upper

129 100

127 75.8 61.9 92.9



#56

1,2-Dibromoethane

Concen: 1.973 ug/l

RT: 8.917 min Scan# 2372

Delta R.T. 0.000 min

Lab File: VU061149.D

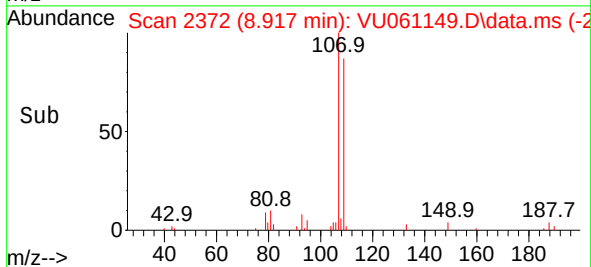
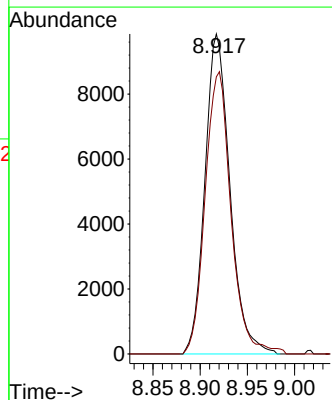
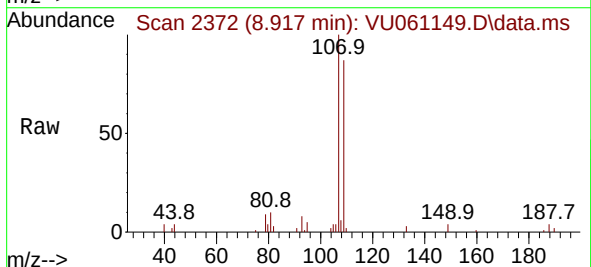
Acq: 17 Oct 2024 17:54

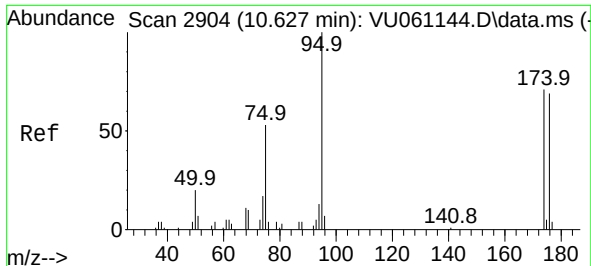
Tgt Ion:107 Resp: 18138

Ion Ratio Lower Upper

107 100

109 91.1 0.0 185.2

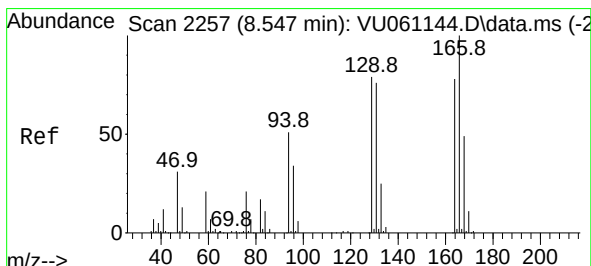
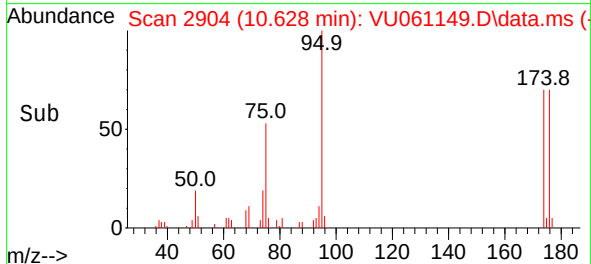
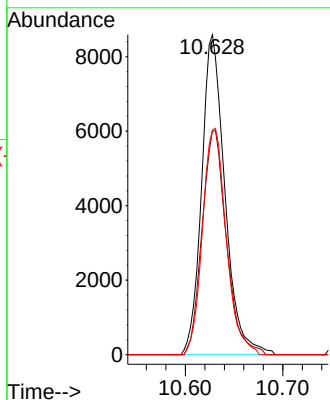
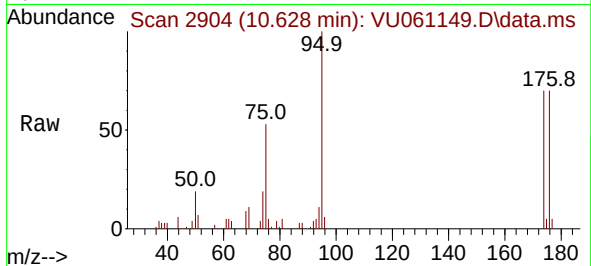




#57  
4-Bromofluorobenzene  
Concen: 0.941 ug/l  
RT: 10.628 min Scan# 2904  
Delta R.T. 0.000 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

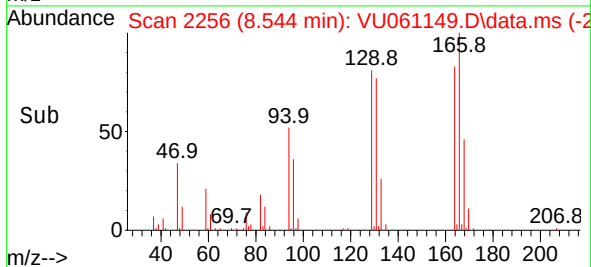
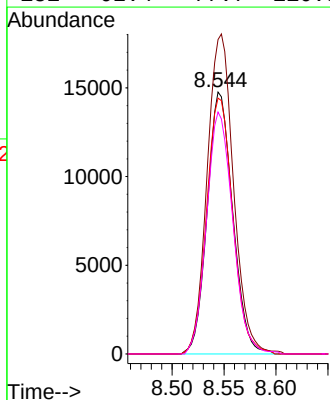
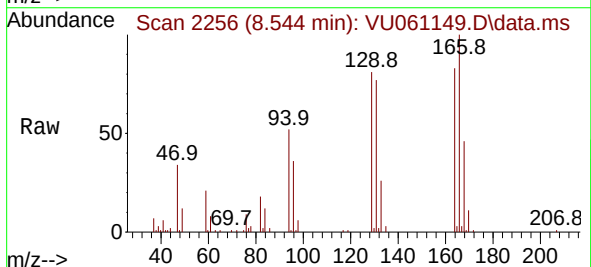
Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 95 Resp: 14257  
Ion Ratio Lower Upper  
95 100  
174 73.0 55.4 83.0  
176 72.2 54.4 81.6

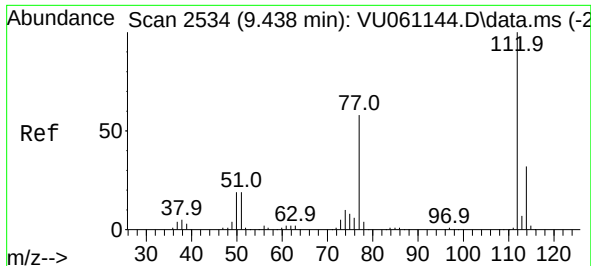


#58  
Tetrachloroethene  
Concen: 2.055 ug/l  
RT: 8.544 min Scan# 2256  
Delta R.T. -0.003 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

Tgt Ion: 164 Resp: 25166  
Ion Ratio Lower Upper  
164 100  
166 120.1 102.1 153.1  
129 97.7 80.6 120.8  
131 92.4 77.7 116.5

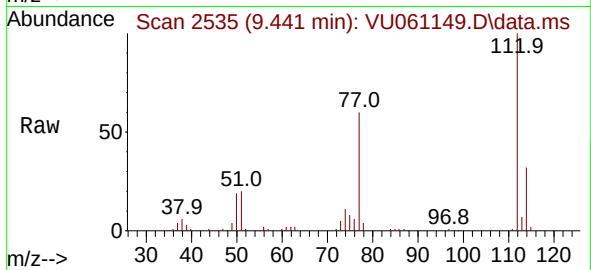




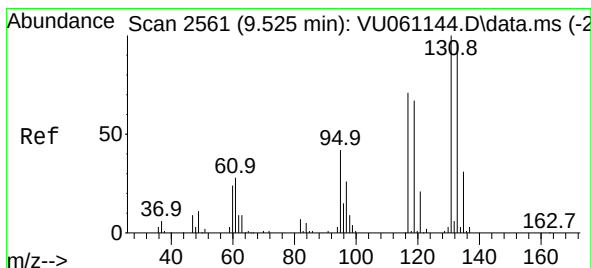
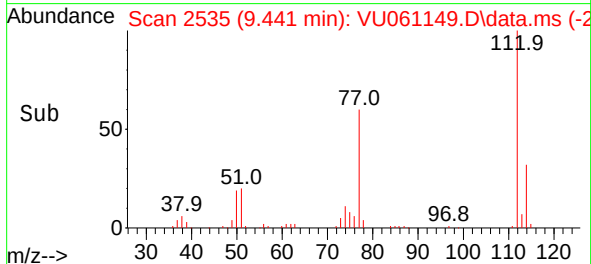
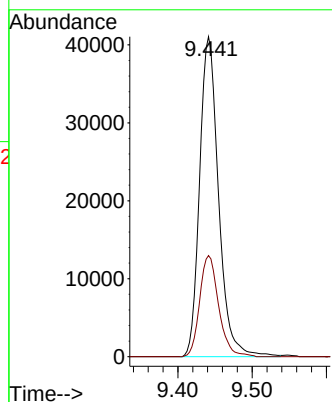


#59  
Chlorobenzene  
Concen: 1.977 ug/l  
RT: 9.441 min Scan# 2535  
Delta R.T. 0.003 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

Instrument :  
MSVOA\_U  
ClientSampleId :

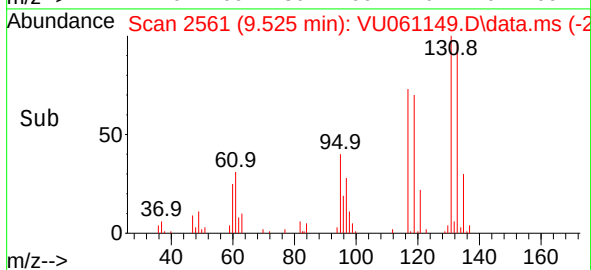
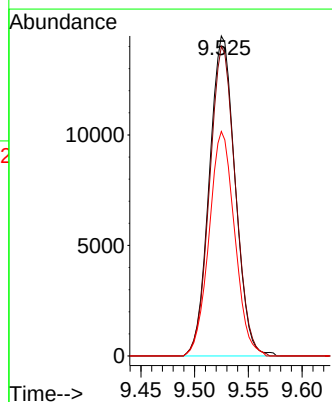
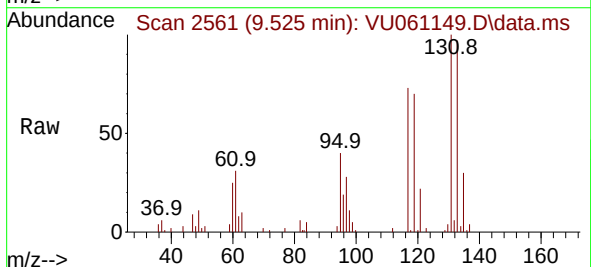


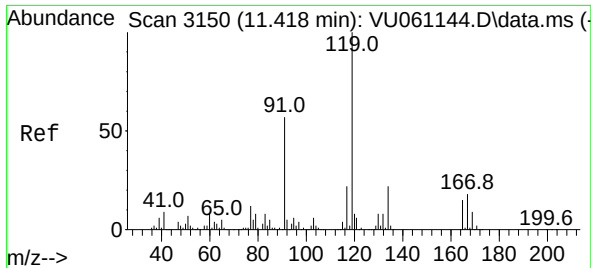
Tgt Ion:112 Resp: 72803  
Ion Ratio Lower Upper  
112 100  
114 31.6 25.4 38.2



#60  
1,1,1,2-Tetrachloroethane  
Concen: 1.946 ug/l  
RT: 9.525 min Scan# 2561  
Delta R.T. 0.000 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

Tgt Ion:131 Resp: 24168  
Ion Ratio Lower Upper  
131 100  
133 96.9 76.8 115.2  
119 69.6 54.2 81.2

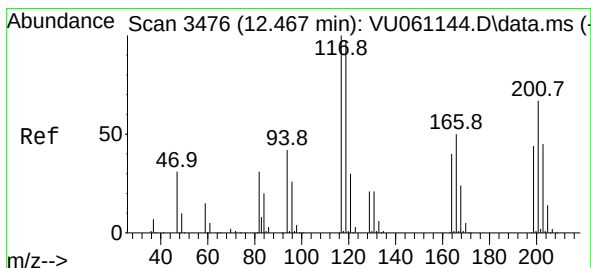
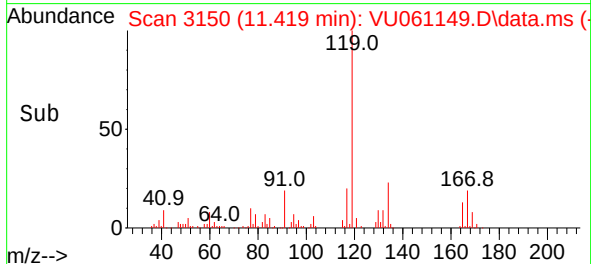
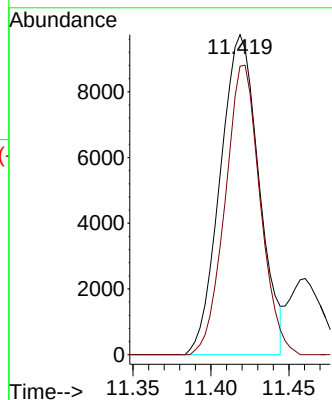
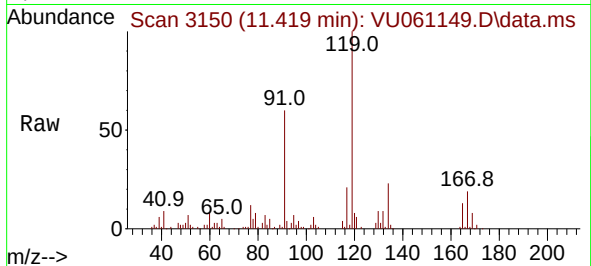




#61  
 Pentachloroethane  
 Concen: 1.773 ug/l  
 RT: 11.419 min Scan# 3150  
 Delta R.T. 0.000 min  
 Lab File: VU061149.D  
 Acq: 17 Oct 2024 17:54

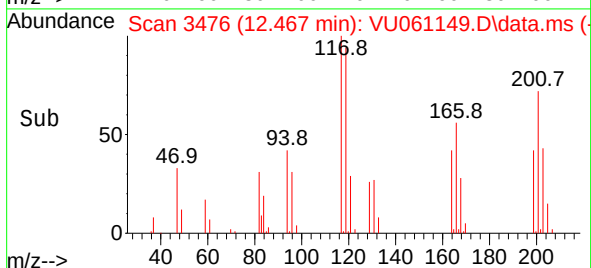
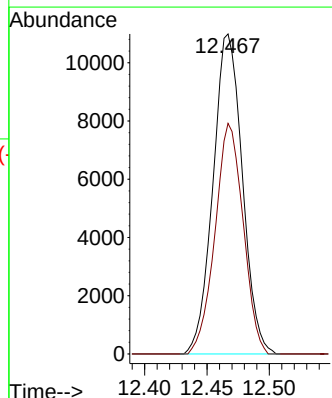
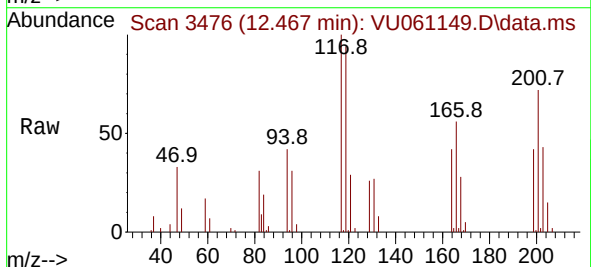
Instrument :  
 MSVOA\_U  
 ClientSampleId :

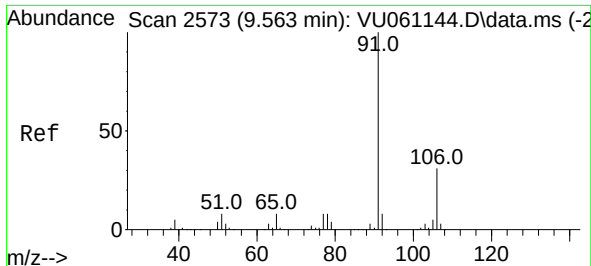
Tgt Ion:117 Resp: 16853  
 Ion Ratio Lower Upper  
 117 100  
 167 81.6 63.4 95.2



#62  
 Hexachloroethane  
 Concen: 1.836 ug/l  
 RT: 12.467 min Scan# 3476  
 Delta R.T. 0.000 min  
 Lab File: VU061149.D  
 Acq: 17 Oct 2024 17:54

Tgt Ion:117 Resp: 17981  
 Ion Ratio Lower Upper  
 117 100  
 201 69.0 54.3 81.5

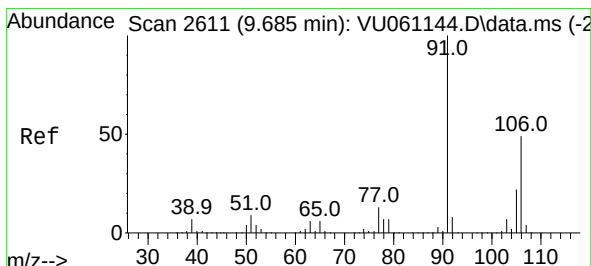
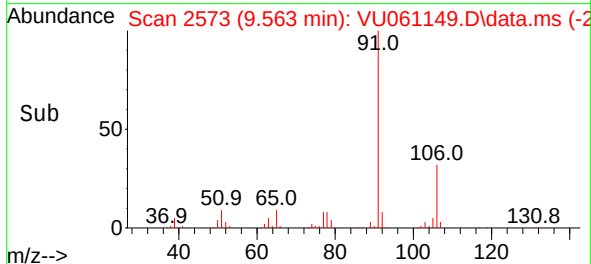
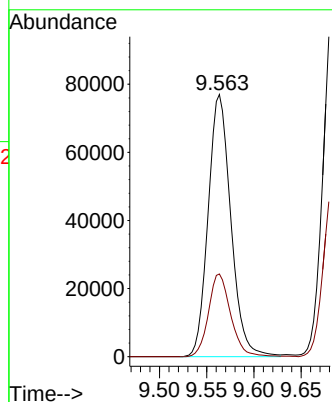
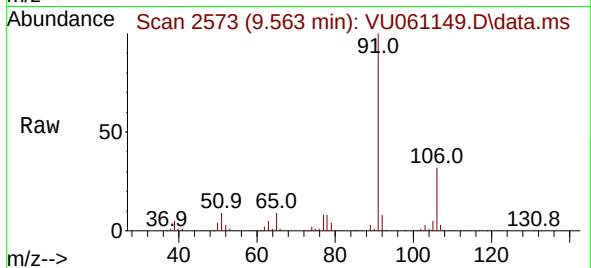




#63  
Ethyl Benzene  
Concen: 1.951 ug/l  
RT: 9.563 min Scan# 2573  
Delta R.T. 0.000 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

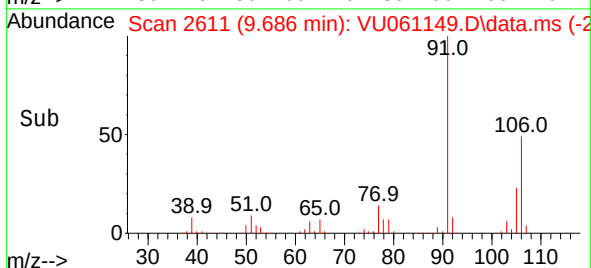
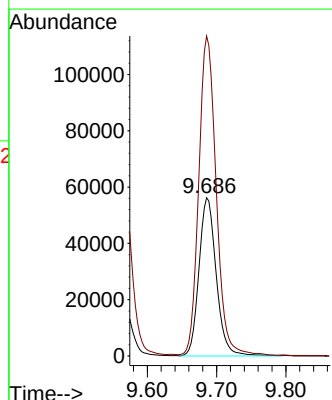
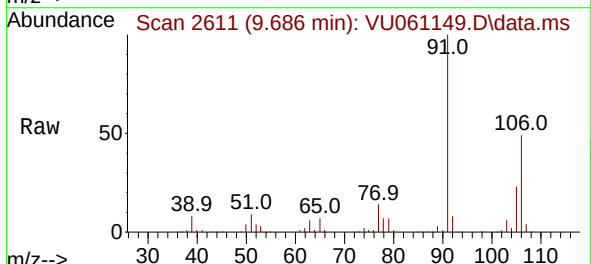
Instrument :  
MSVOA\_U  
ClientSampleId :

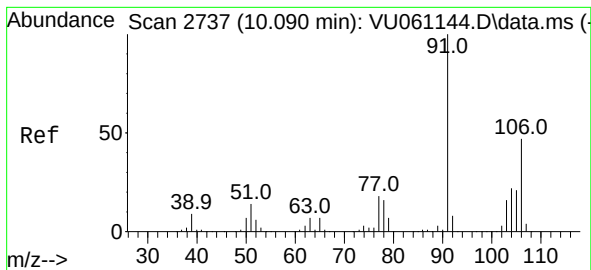
Tgt Ion: 91 Resp: 128683  
Ion Ratio Lower Upper  
91 100  
106 31.6 24.6 37.0



#64  
m/p-Xylenes  
Concen: 3.880 ug/l  
RT: 9.686 min Scan# 2611  
Delta R.T. 0.000 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

Tgt Ion:106 Resp: 97394  
Ion Ratio Lower Upper  
106 100  
91 203.4 163.3 244.9





#65

o-Xylene

Concen: 1.916 ug/l

RT: 10.091 min Scan# 2737

Delta R.T. 0.000 min

Lab File: VU061149.D

Acq: 17 Oct 2024 17:54

Instrument :

MSVOA\_U

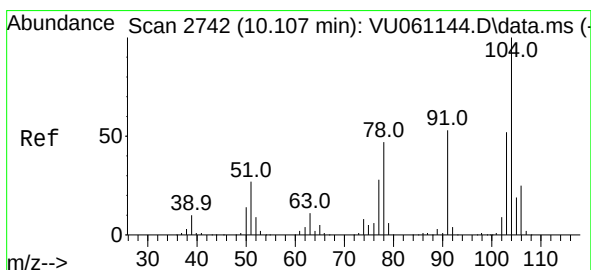
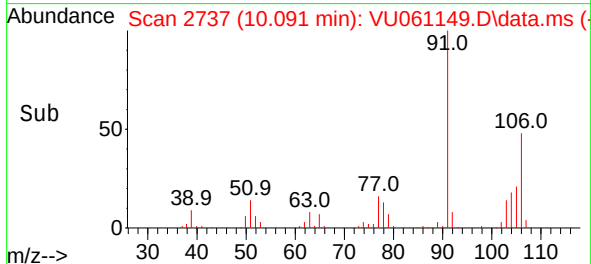
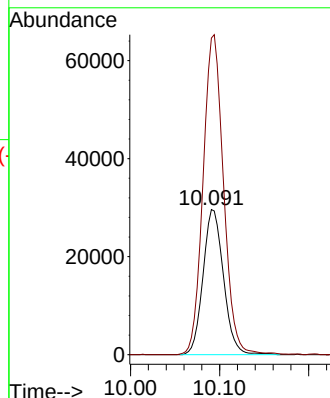
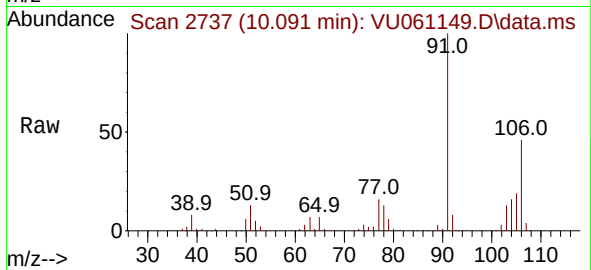
ClientSampleId :

Tgt Ion:106 Resp: 47370

Ion Ratio Lower Upper

106 100

91 220.7 106.9 320.8



#66

Styrene

Concen: 1.910 ug/l

RT: 10.110 min Scan# 2743

Delta R.T. 0.003 min

Lab File: VU061149.D

Acq: 17 Oct 2024 17:54

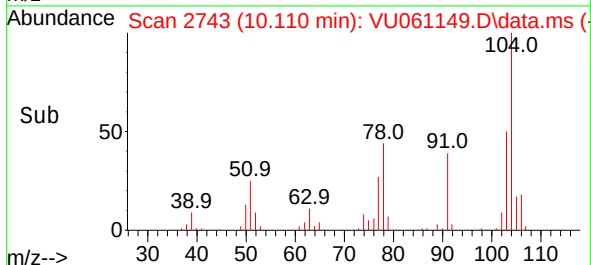
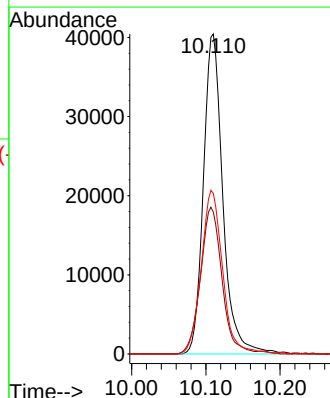
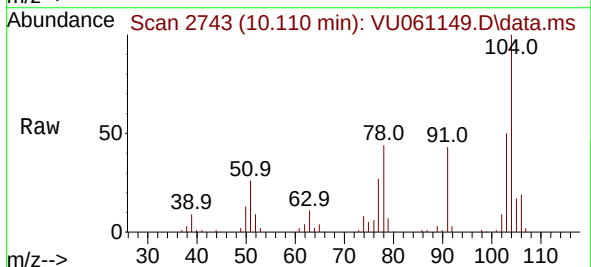
Tgt Ion:104 Resp: 73454

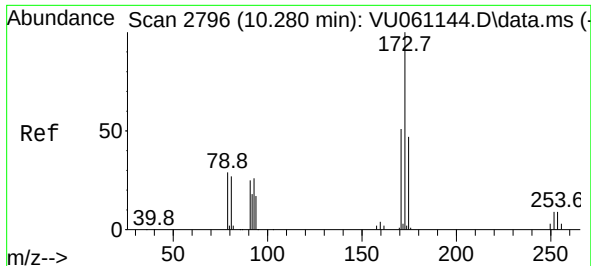
Ion Ratio Lower Upper

104 100

78 50.5 41.6 62.4

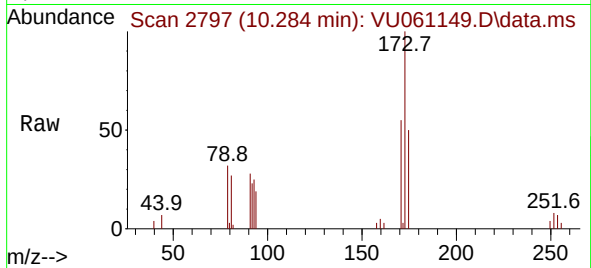
103 56.6 45.0 67.6



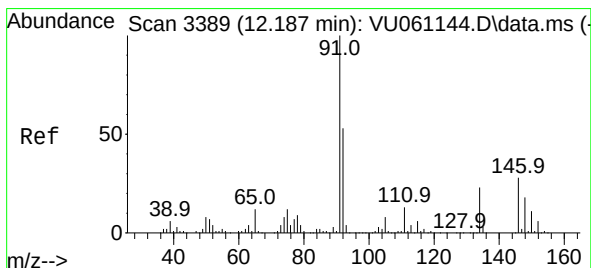
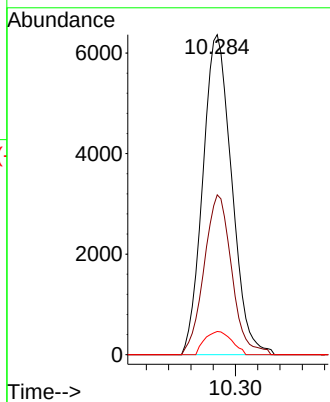
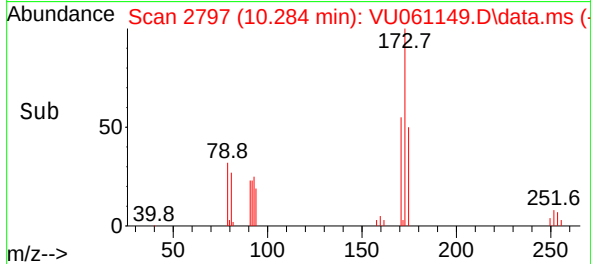


#67  
Bromoform  
Concen: 1.933 ug/l  
RT: 10.284 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

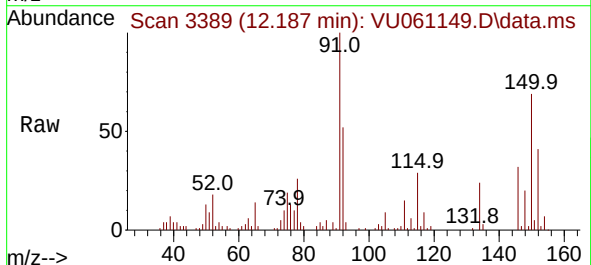
Instrument :  
MSVOA\_U  
ClientSampleId :



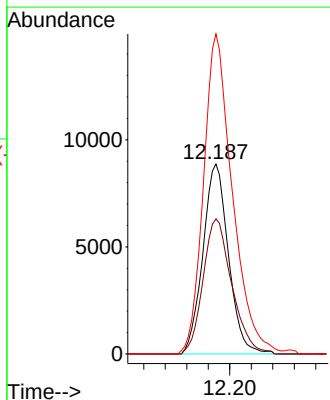
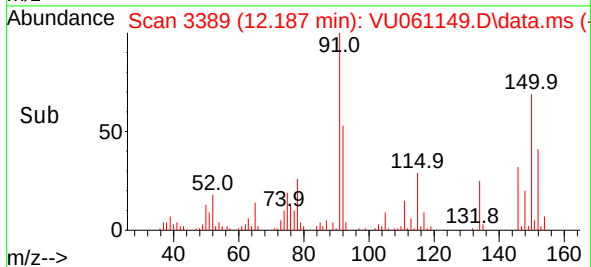
Tgt Ion:173 Resp: 11454  
Ion Ratio Lower Upper  
173 100  
175 47.8 37.8 56.8  
254 6.8 7.0 10.4#

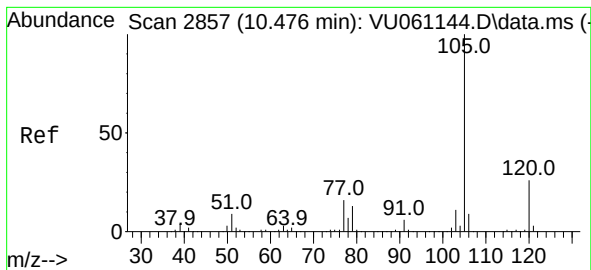


#68  
1,2-Dichlorobenzene-d4  
Concen: 0.981 ug/l  
RT: 12.187 min Scan# 3389  
Delta R.T. 0.000 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54



Tgt Ion:152 Resp: 14636  
Ion Ratio Lower Upper  
152 100  
115 80.0 0.0 275.0  
150 190.3 0.0 668.8





#69

Isopropylbenzene

Concen: 1.902 ug/l

RT: 10.477 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU061149.D

Acq: 17 Oct 2024 17:54

Instrument :

MSVOA\_U

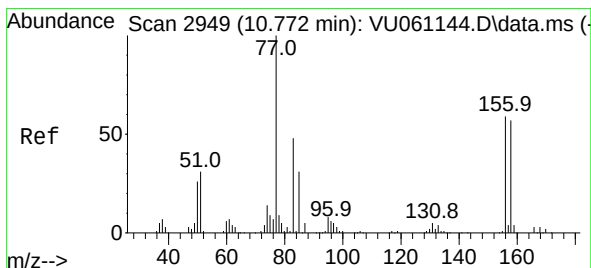
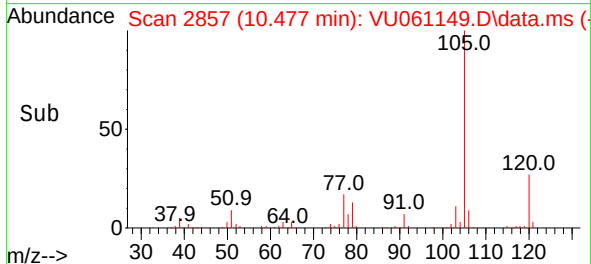
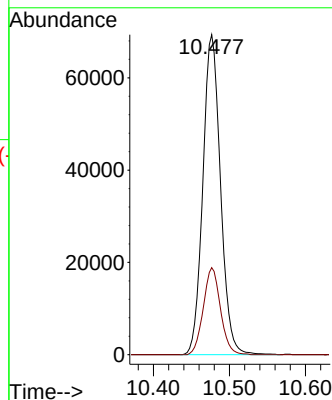
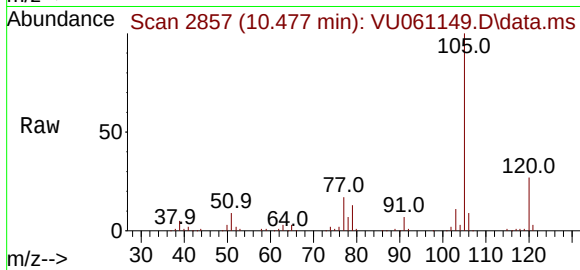
ClientSampleId :

Tgt Ion:105 Resp: 111850

Ion Ratio Lower Upper

105 100

120 26.4 13.1 39.1



#70

1,1,2,2-Tetrachloroethane

Concen: 1.930 ug/l

RT: 10.772 min Scan# 2949

Delta R.T. 0.000 min

Lab File: VU061149.D

Acq: 17 Oct 2024 17:54

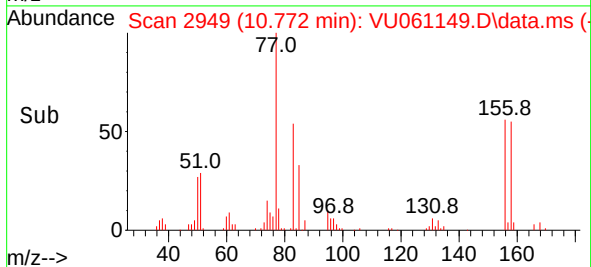
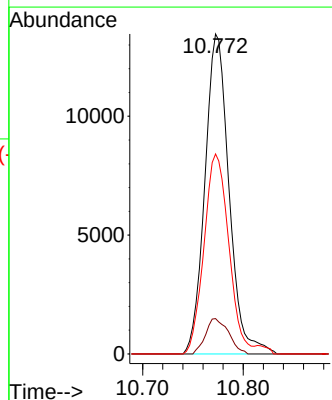
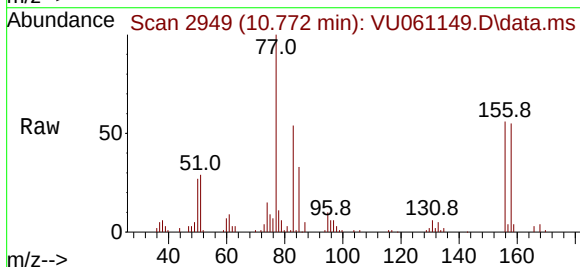
Tgt Ion: 83 Resp: 22464

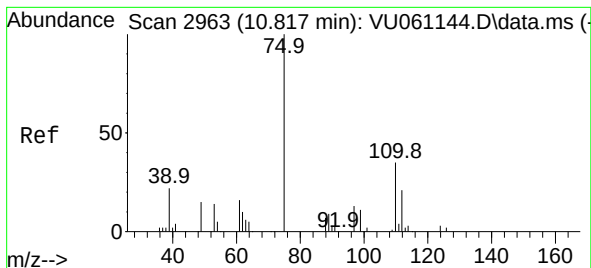
Ion Ratio Lower Upper

83 100

131 10.5 7.8 11.8

85 64.1 50.8 76.2





#71

1,2,3-Trichloropropane

Concen: 3.089 ug/l

RT: 10.817 min Scan# 2963

Delta R.T. 0.000 min

Lab File: VU061149.D

Acq: 17 Oct 2024 17:54

Instrument :

MSVOA\_U

ClientSampleId :

Tgt Ion: 75 Resp: 29283

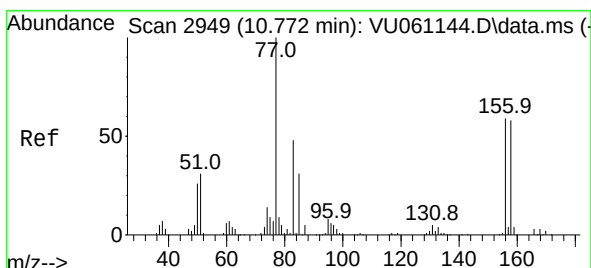
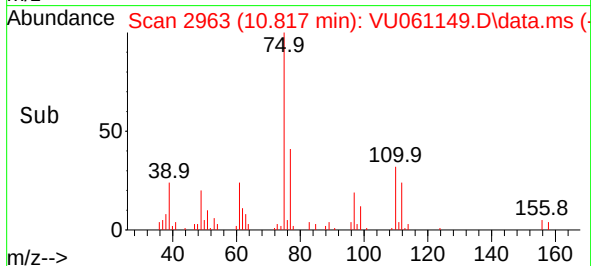
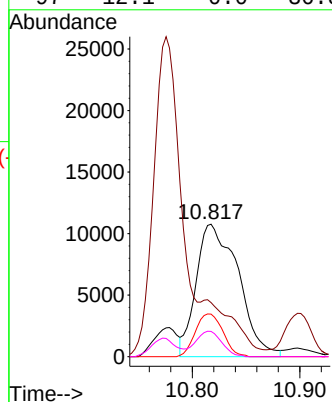
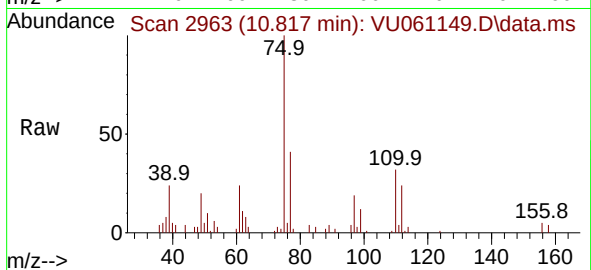
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 21.2 0.0 68.6

97 12.1 0.0 36.8



#72

Bromobenzene

Concen: 1.900 ug/l

RT: 10.776 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VU061149.D

Acq: 17 Oct 2024 17:54

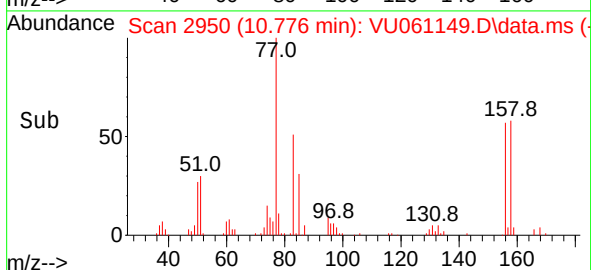
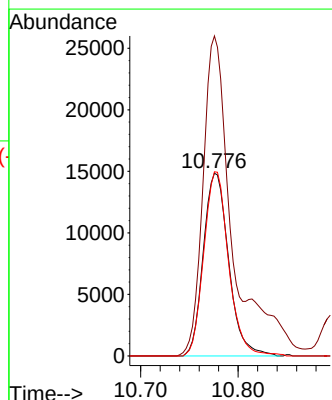
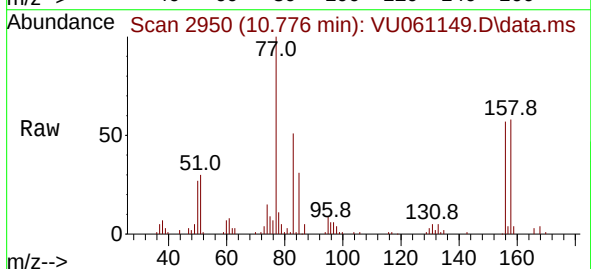
Tgt Ion: 156 Resp: 26871

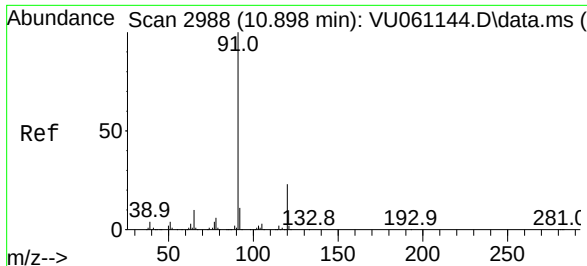
Ion Ratio Lower Upper

156 100

77 170.6 0.0 337.2

158 98.7 0.0 192.8

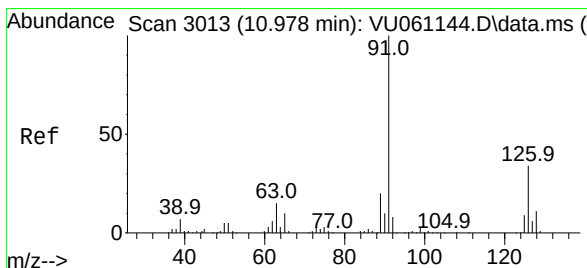
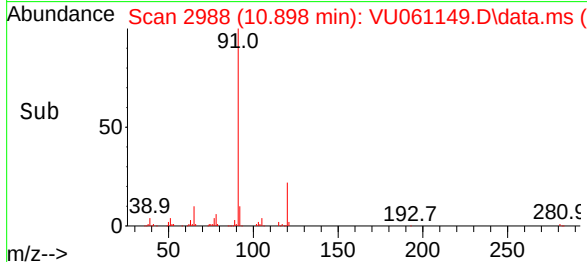
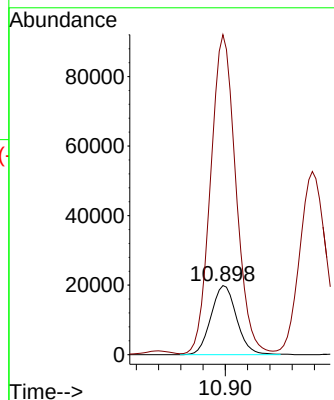
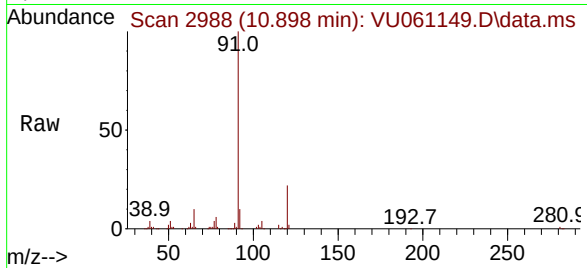




#73  
n-propylbenzene  
Concen: 1.845 ug/l  
RT: 10.898 min Scan# 2988  
Delta R.T. 0.000 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

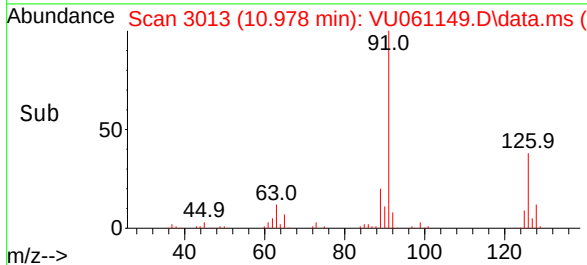
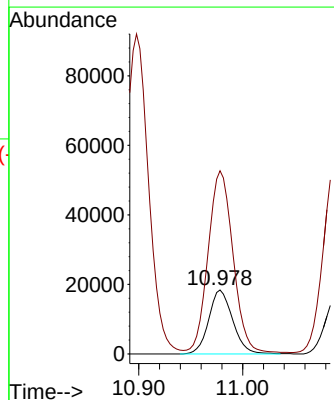
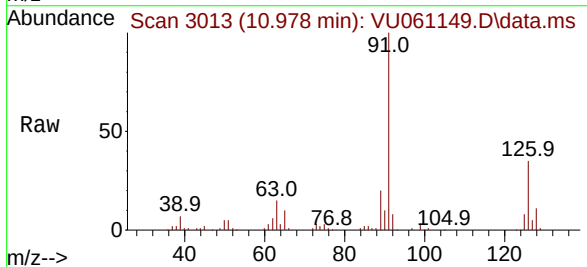
Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion:120 Resp: 31673  
Ion Ratio Lower Upper  
120 100  
91 455.6 353.6 530.4

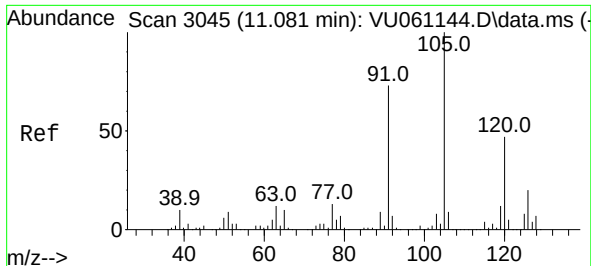


#74  
2-Chlorotoluene  
Concen: 1.980 ug/l  
RT: 10.978 min Scan# 3013  
Delta R.T. 0.000 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

Tgt Ion:126 Resp: 29391  
Ion Ratio Lower Upper  
126 100  
91 297.2 0.0 595.2



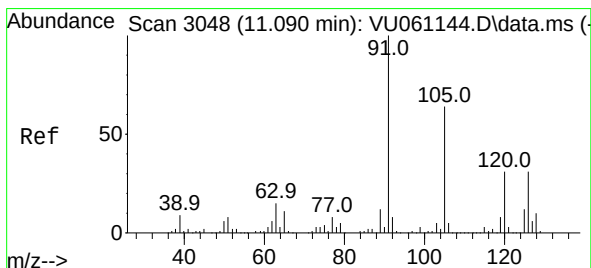
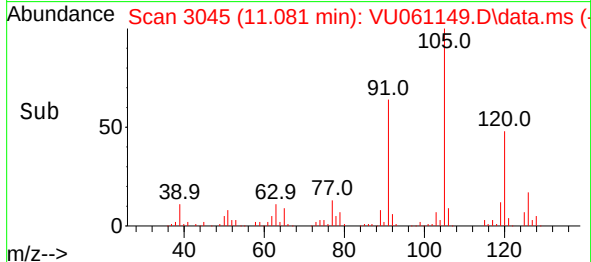
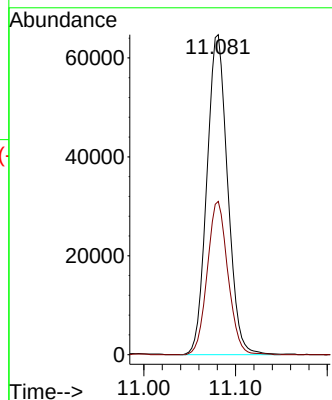
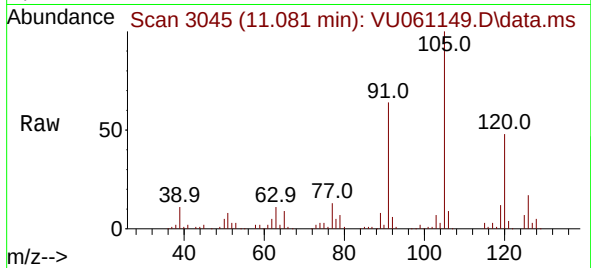




#75  
1,3,5-Trimethylbenzene  
Concen: 1.922 ug/l  
RT: 11.081 min Scan# 3045  
Delta R.T. 0.000 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

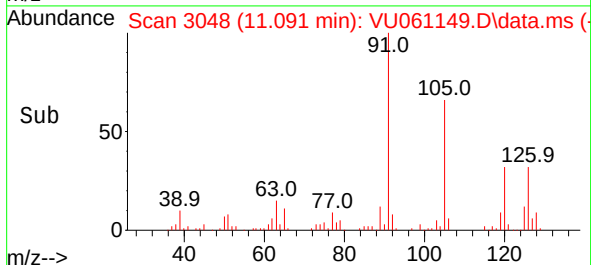
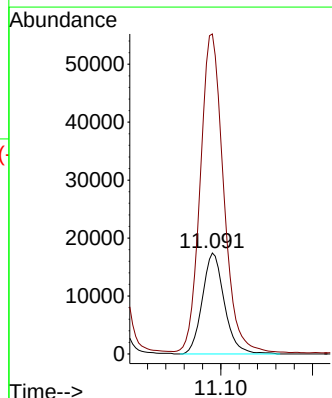
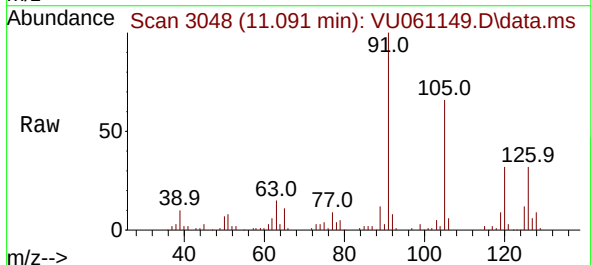
Instrument :  
MSVOA\_U  
ClientSampleId :

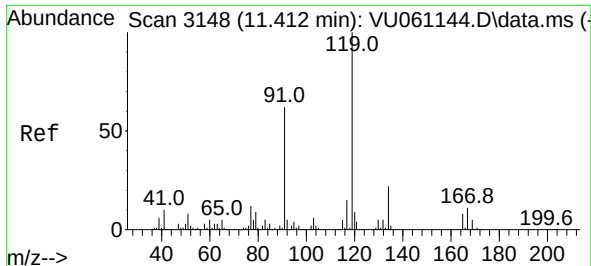
Tgt Ion:105 Resp: 101925  
Ion Ratio Lower Upper  
105 100  
120 47.6 38.0 57.0



#76  
4-Chlorotoluene  
Concen: 1.925 ug/l  
RT: 11.091 min Scan# 3048  
Delta R.T. 0.000 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

Tgt Ion:126 Resp: 29051  
Ion Ratio Lower Upper  
126 100  
91 333.4 0.0 678.2

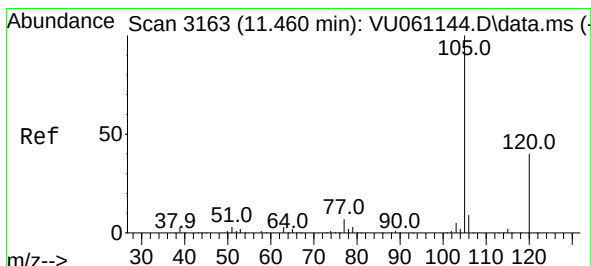
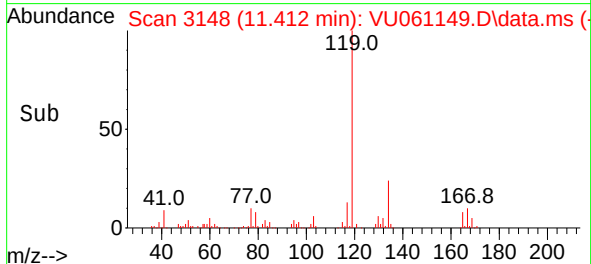
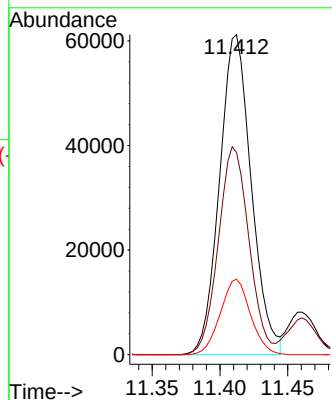
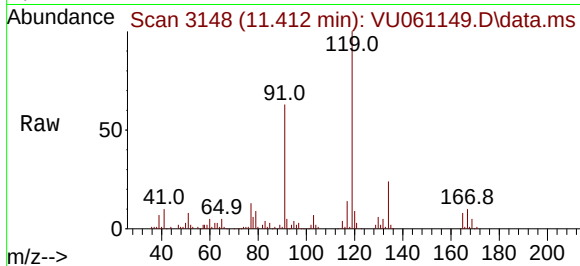




#77  
tert-Butylbenzene  
Concen: 1.906 ug/l  
RT: 11.412 min Scan# 3148  
Delta R.T. 0.000 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

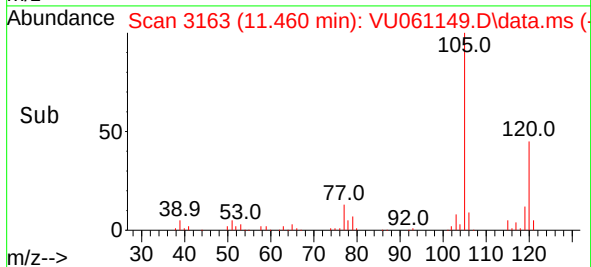
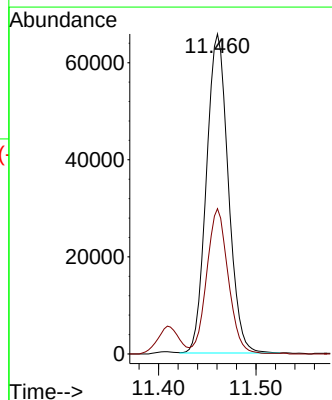
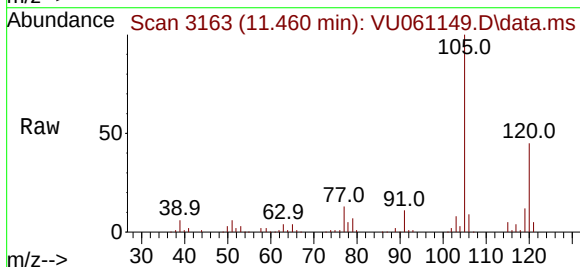
Instrument :  
MSVOA\_U  
ClientSampleId :

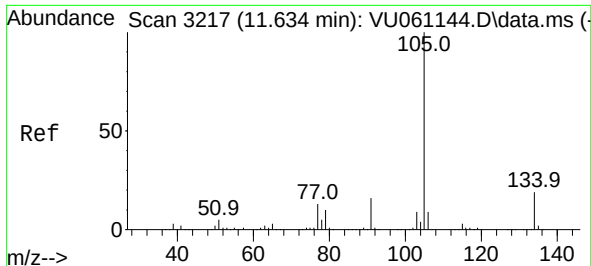
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 62.9  | 30.1  | 90.5  |
| 134     | 22.3  | 17.5  | 26.3  |



#78  
1,2,4-Trimethylbenzene  
Concen: 1.909 ug/l  
RT: 11.460 min Scan# 3163  
Delta R.T. 0.000 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.5  | 22.3  | 66.9  |





#79

sec-Butylbenzene

Concen: 1.897 ug/l

RT: 11.634 min Scan# 3217

Delta R.T. 0.000 min

Lab File: VU061149.D

Acq: 17 Oct 2024 17:54

Instrument :

MSVOA\_U

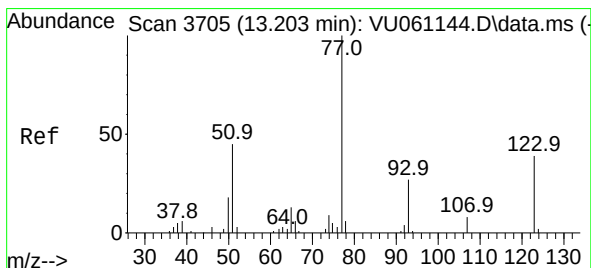
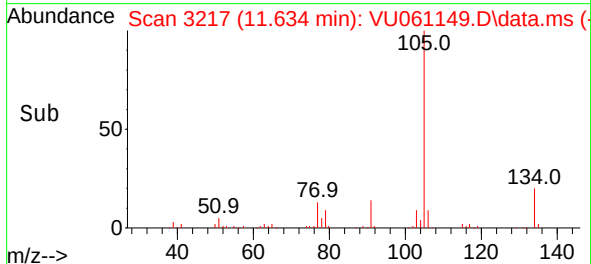
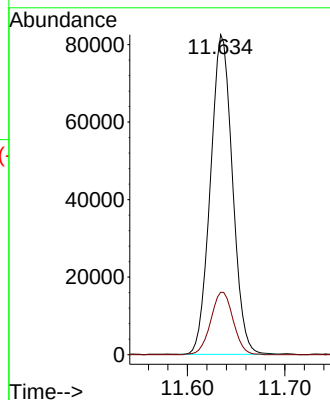
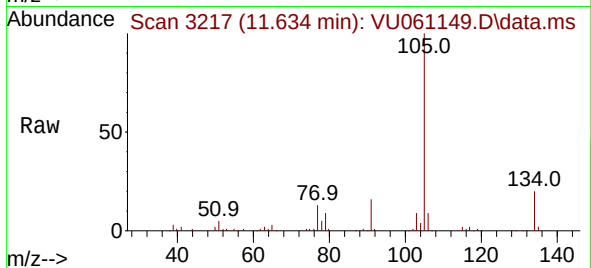
ClientSampleId :

Tgt Ion:105 Resp: 129489

Ion Ratio Lower Upper

105 100

134 19.9 15.5 23.3



#80

Nitrobenzene

Concen: 8.425 ug/l

RT: 13.216 min Scan# 3709

Delta R.T. 0.013 min

Lab File: VU061149.D

Acq: 17 Oct 2024 17:54

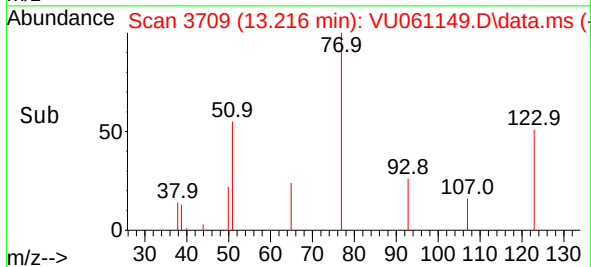
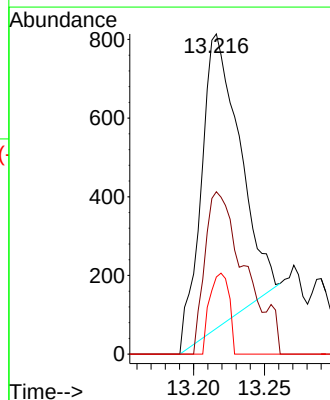
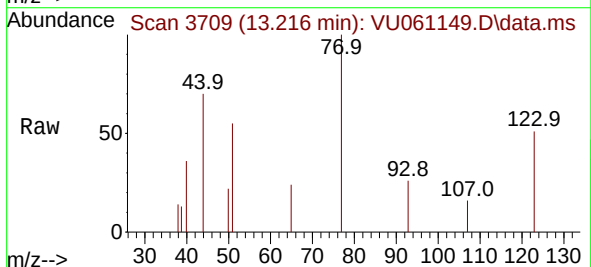
Tgt Ion: 77 Resp: 1425

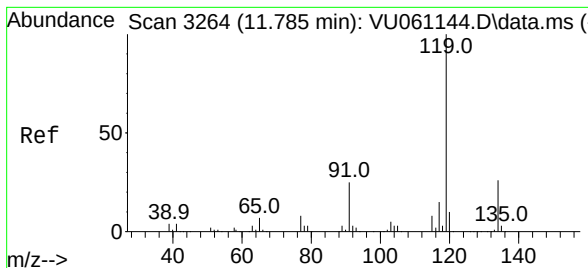
Ion Ratio Lower Upper

77 100

123 57.4 15.6 55.2#

65 13.8 10.7 13.7#

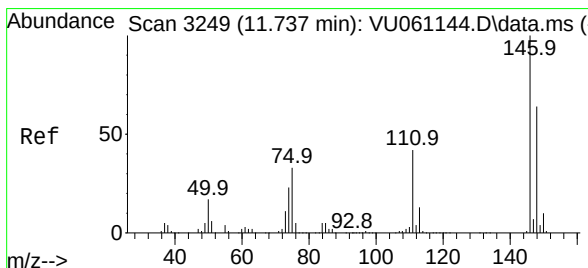
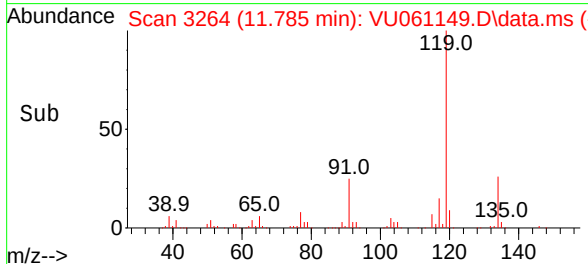
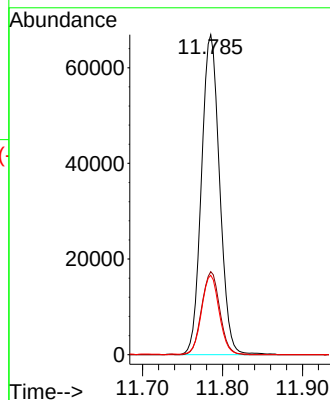
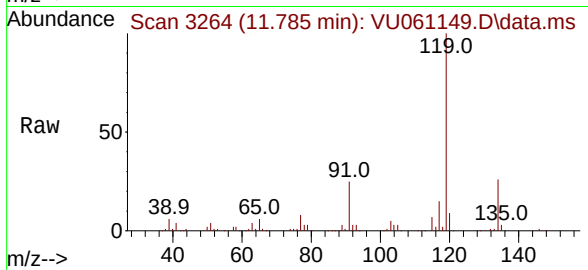




#81  
 p-Isopropyltoluene  
 Concen: 1.870 ug/l  
 RT: 11.785 min Scan# 31  
 Delta R.T. 0.000 min  
 Lab File: VU061149.D  
 Acq: 17 Oct 2024 17:54

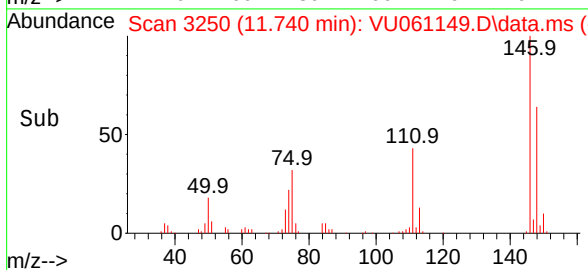
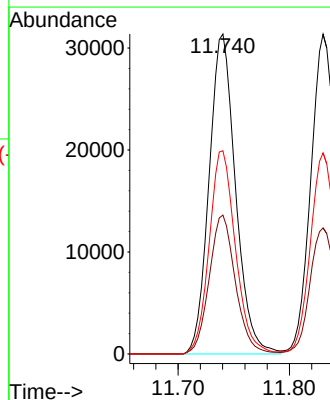
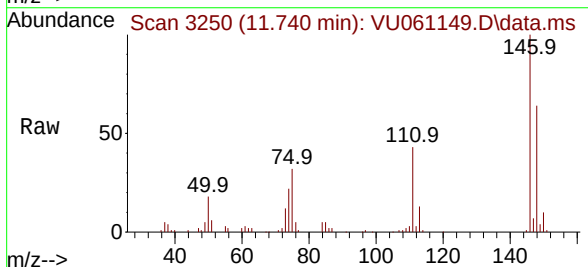
Instrument :  
 MSVOA\_U  
 ClientSampleId :

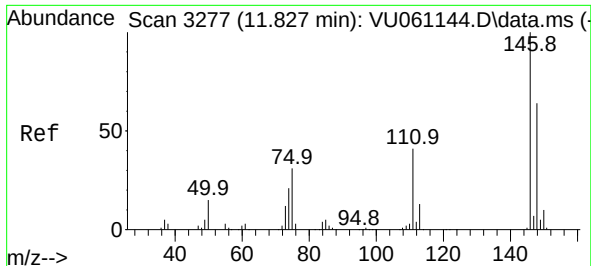
Tgt Ion:119 Resp: 105703  
 Ion Ratio Lower Upper  
 119 100  
 134 25.8 21.0 31.6  
 91 24.3 19.8 29.8



#82  
 1,3-Dichlorobenzene  
 Concen: 1.909 ug/l  
 RT: 11.740 min Scan# 3250  
 Delta R.T. 0.003 min  
 Lab File: VU061149.D  
 Acq: 17 Oct 2024 17:54

Tgt Ion:146 Resp: 51794  
 Ion Ratio Lower Upper  
 146 100  
 111 43.1 34.1 51.1  
 148 63.2 51.2 76.8





#83

1,4-Dichlorobenzene

Concen: 1.907 ug/l

RT: 11.830 min Scan# 3277

Delta R.T. 0.003 min

Lab File: VU061149.D

Acq: 17 Oct 2024 17:54

Instrument :

MSVOA\_U

ClientSampleId :

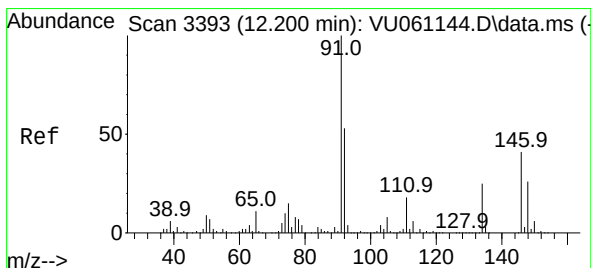
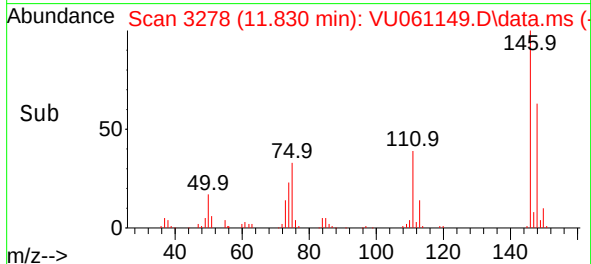
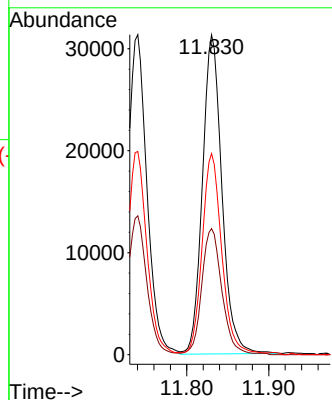
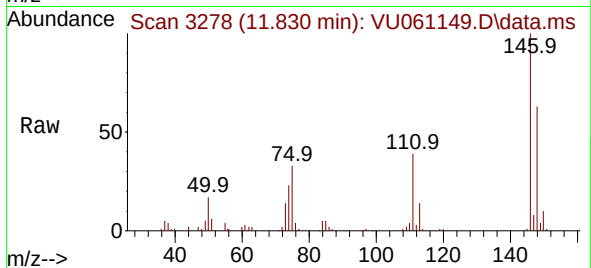
Tgt Ion:146 Resp: 51600

Ion Ratio Lower Upper

146 100

111 40.9 32.1 48.1

148 62.5 50.3 75.5



#84

n-Butylbenzene

Concen: 1.835 ug/l

RT: 12.203 min Scan# 3394

Delta R.T. 0.003 min

Lab File: VU061149.D

Acq: 17 Oct 2024 17:54

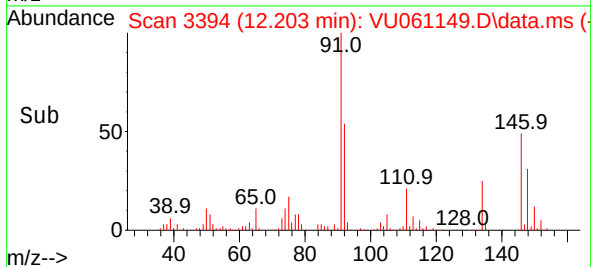
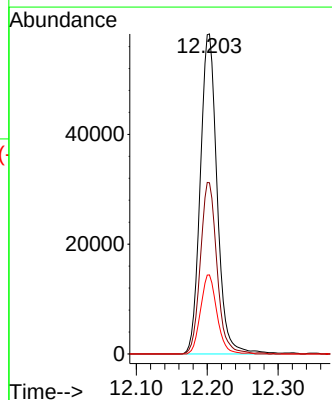
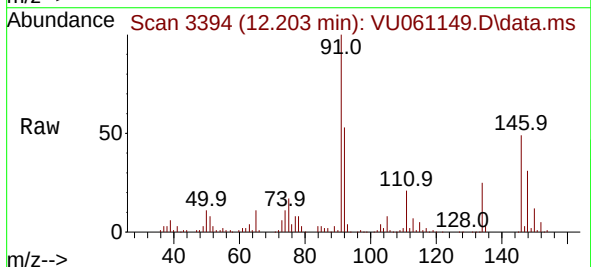
Tgt Ion: 91 Resp: 96249

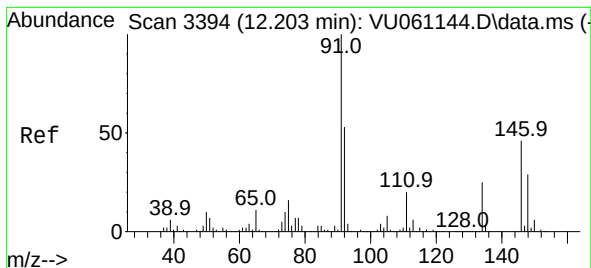
Ion Ratio Lower Upper

91 100

92 52.7 41.8 62.8

134 23.9 19.7 29.5





#85

1,2-Dichlorobenzene

Concen: 1.964 ug/l

RT: 12.206 min Scan# 3394

Delta R.T. 0.003 min

Lab File: VU061149.D

Acq: 17 Oct 2024 17:54

Instrument :

MSVOA\_U

ClientSampleId :

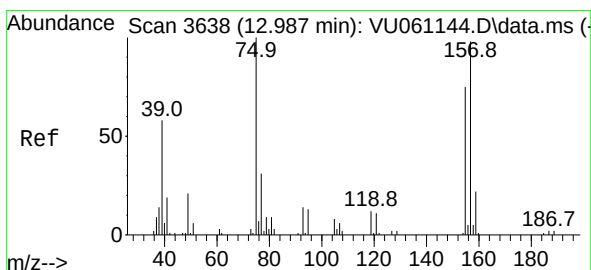
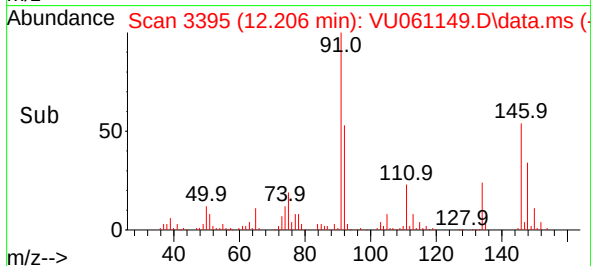
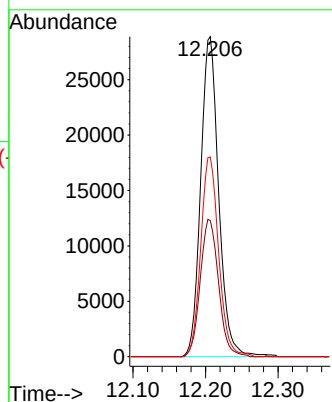
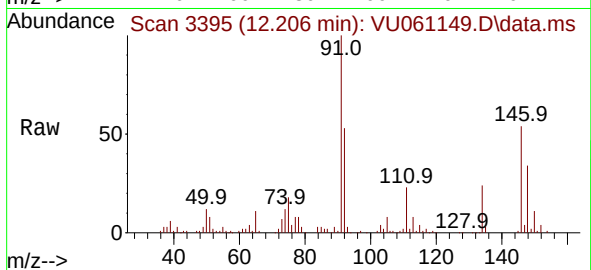
Tgt Ion:146 Resp: 49834

Ion Ratio Lower Upper

146 100

111 43.6 21.9 65.7

148 62.1 31.9 95.5



#86

1,2-Dibromo-3-Chloropropane

Concen: 2.164 ug/l

RT: 12.991 min Scan# 3639

Delta R.T. 0.003 min

Lab File: VU061149.D

Acq: 17 Oct 2024 17:54

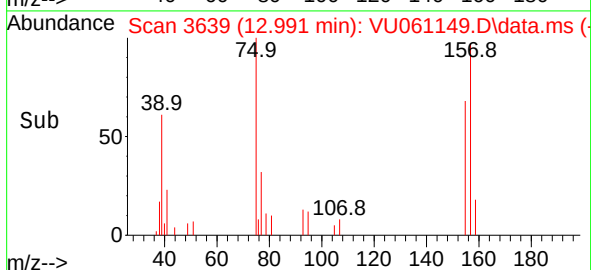
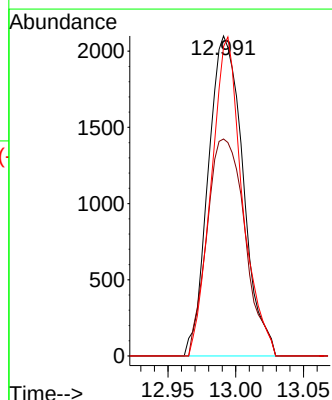
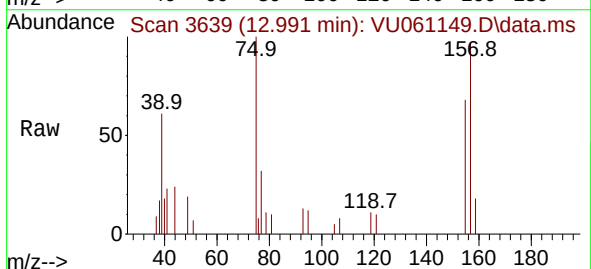
Tgt Ion: 75 Resp: 3738

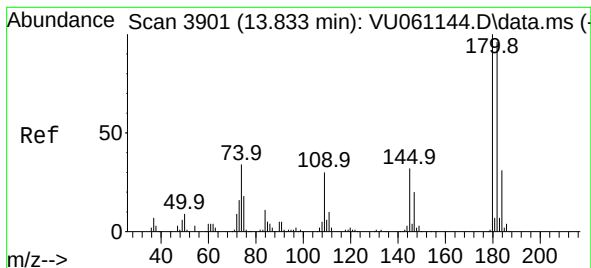
Ion Ratio Lower Upper

75 100

155 74.3 61.4 92.0

157 89.1 78.5 117.7





#87

1,2,4-Trichlorobenzene

Concen: 1.852 ug/l

RT: 13.833 min Scan# 3901

Delta R.T. 0.000 min

Lab File: VU061149.D

Acq: 17 Oct 2024 17:54

Instrument :

MSVOA\_U

ClientSampleId :

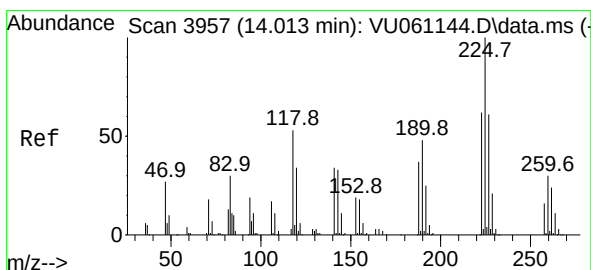
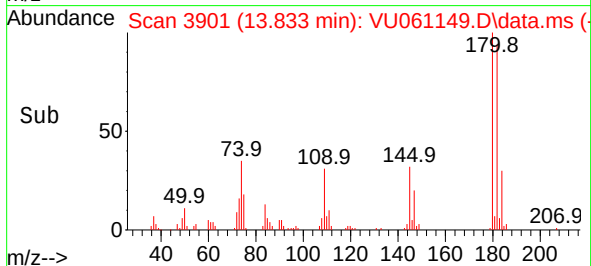
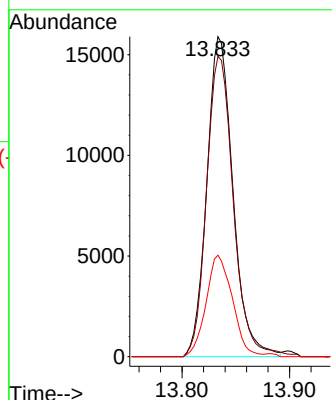
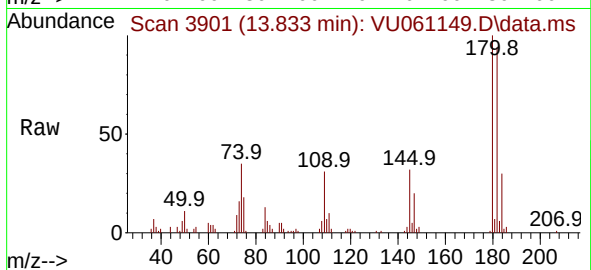
Tgt Ion:180 Resp: 26868

Ion Ratio Lower Upper

180 100

182 96.1 77.0 115.6

145 31.9 25.7 38.5



#88

Hexachlorobutadiene

Concen: 1.877 ug/l

RT: 14.010 min Scan# 3956

Delta R.T. -0.003 min

Lab File: VU061149.D

Acq: 17 Oct 2024 17:54

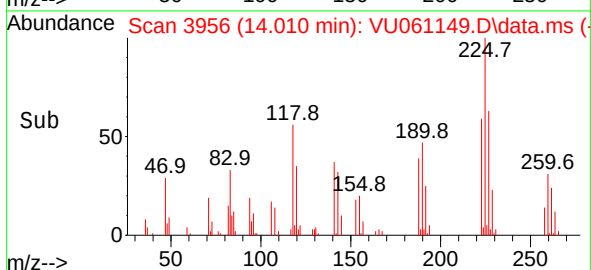
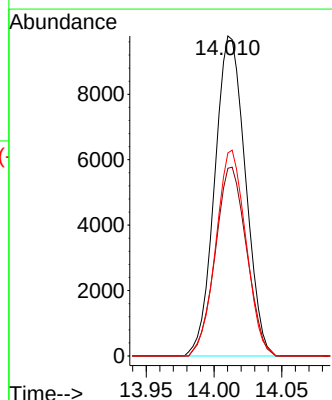
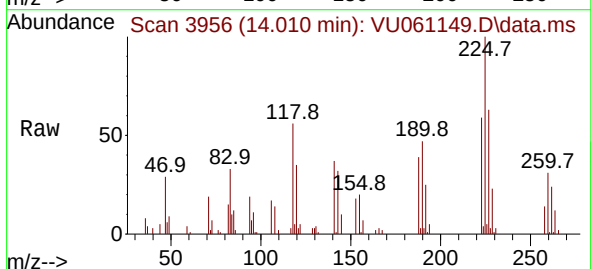
Tgt Ion:225 Resp: 15400

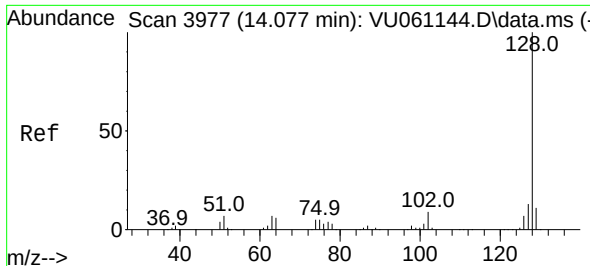
Ion Ratio Lower Upper

225 100

223 60.2 51.4 77.2

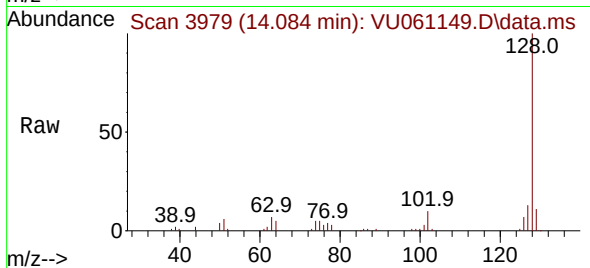
227 63.1 50.3 75.5



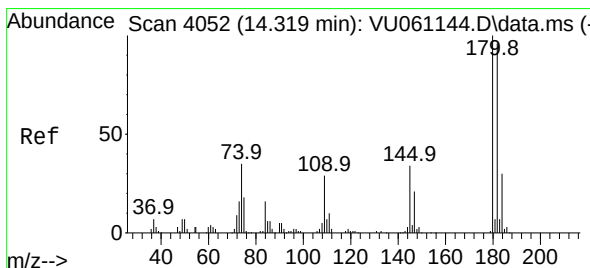
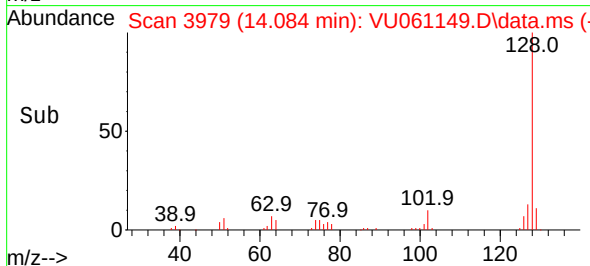
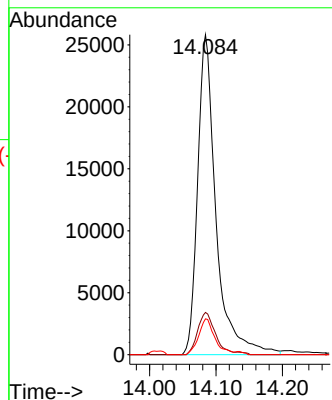


#89  
Naphthalene  
Concen: 1.940 ug/l  
RT: 14.084 min Scan# 3979  
Delta R.T. 0.007 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion:128 Resp: 49662  
Ion Ratio Lower Upper  
128 100  
127 12.6 10.6 16.0  
129 9.9 8.7 13.1



#90  
1,2,3-Trichlorobenzene  
Concen: 1.980 ug/l  
RT: 14.322 min Scan# 4053  
Delta R.T. 0.003 min  
Lab File: VU061149.D  
Acq: 17 Oct 2024 17:54

Tgt Ion:180 Resp: 25809  
Ion Ratio Lower Upper  
180 100  
182 96.2 76.2 114.4  
145 32.2 26.8 40.2

