

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU022723\  
 Data File : VU053147.D  
 Acq On : 27 Feb 2023 10:38  
 Operator : JC/MD  
 Sample : VSTDICC001  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDICC001

Quant Time: Feb 28 01:53:39 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U022723DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Tue Feb 28 01:52:21 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|------------------------------|--------|------|----------|-------|---------|----------|
| -----                        |        |      |          |       |         |          |
| Internal Standards           |        |      |          |       |         |          |
| 1) Fluorobenzene             | 6.109  | 96   | 28742    | 1.000 | ug/l    | # 0.00   |
| System Monitoring Compounds  |        |      |          |       |         |          |
| 57) 4-Bromofluorobenzene     | 10.630 | 95   | 11489    | 0.947 | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =     | 95.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.189 | 152  | 9366     | 0.974 | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =     | 97.000% |          |
| Target Compounds             |        |      |          |       |         |          |
|                              |        |      |          |       |         | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.386  | 85   | 6130     | 0.840 | ug/l    | 97       |
| 3) Chloromethane             | 1.521  | 50   | 7064     | 0.940 | ug/l    | 99       |
| 4) Vinyl Chloride            | 1.604  | 62   | 7336     | 0.917 | ug/l    | 97       |
| 5) Bromomethane              | 1.858  | 94   | 3791     | 0.832 | ug/l    | 88       |
| 6) Chloroethane              | 1.936  | 64   | 4260     | 0.876 | ug/l    | # 83     |
| 7) Trichlorofluoromethane    | 2.141  | 101  | 10228    | 0.888 | ug/l    | 92       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.582  | 101  | 6080     | 0.844 | ug/l    | 95       |
| 9) 1,1-Dichloroethene        | 2.579  | 96   | 5572     | 0.891 | ug/l    | 89       |
| 10) Iodomethane              | 2.723  | 142  | 4948     | 0.769 | ug/l    | 97       |
| 11) Allyl Chloride           | 2.923  | 41   | 8625     | 0.883 | ug/l    | 95       |
| 12) Acrylonitrile            | 3.325  | 53   | 3106     | 1.934 | ug/l    | # 91     |
| 13) Acetone                  | 2.640  | 43   | 11749    | 5.130 | ug/l    | 98       |
| 14) Carbon Disulfide         | 2.791  | 76   | 12415    | 0.865 | ug/l    | 100      |
| 15) Methylene Chloride       | 3.042  | 84   | 9197     | 1.028 | ug/l    | 93       |
| 16) trans-1,2-Dichloroethene | 3.354  | 96   | 6140     | 0.893 | ug/l    | 95       |
| 17) 1,1-Dichloroethane       | 3.868  | 63   | 13639    | 0.906 | ug/l    | 97       |
| 18) 2-Butanone               | 4.717  | 43   | 13164    | 4.788 | ug/l    | 94       |
| 19) Cyclohexane              | 5.379  | 56   | 9783     | 0.815 | ug/l    | # 84     |
| 20) Methylcyclohexane        | 6.755  | 83   | 9971     | 0.864 | ug/l    | 97       |
| 21) 2,2-Dichloropropane      | 4.659  | 77   | 11873    | 0.901 | ug/l    | 100      |
| 22) cis-1,2-Dichloroethene   | 4.662  | 96   | 7143     | 0.842 | ug/l    | 92       |
| 23) Diethyl Ether            | 2.376  | 59   | 4502     | 0.879 | ug/l    | 93       |
| 24) tert-Butyl Alcohol       | 3.206  | 59   | 1266     | 2.105 | ug/l    | 96       |
| 25) Methyl tert-Butyl Ether  | 3.363  | 73   | 16094    | 0.885 | ug/l    | 96       |
| 26) Bromochloromethane       | 4.977  | 128  | 2856     | 0.870 | ug/l    | 96       |
| 27) Chloroform               | 5.087  | 83   | 14081    | 0.908 | ug/l    | 91       |
| 28) 1,1,1-Trichloroethane    | 5.312  | 97   | 11893    | 0.913 | ug/l    | 96       |
| 29) 1,1-Dichloropropene      | 5.521  | 75   | 8923     | 0.914 | ug/l    | 97       |
| 30) Carbon Tetrachloride     | 5.517  | 117  | 8055     | 0.898 | ug/l    | 92       |
| 31) Isopropyl Ether          | 3.990  | 45   | 21057    | 0.877 | ug/l    | 99       |
| 32) Ethyl-t-butyl ether      | 4.508  | 59   | 19727    | 0.867 | ug/l    | 99       |
| 33) Tert-Amyl methyl ether   | 5.945  | 73   | 16248    | 0.900 | ug/l    | 98       |
| 34) Propionitrile            | 4.794  | 54   | 2888     | 4.515 | ug/l    | # 93     |
| 35) Benzene                  | 5.771  | 78   | 26606    | 0.924 | ug/l    | 98       |
| 36) 1,2-Dichloroethane       | 5.794  | 62   | 8046     | 0.935 | ug/l    | 100      |
| 37) Trichloroethene          | 6.537  | 130  | 5809     | 0.879 | ug/l    | 96       |
| 38) 1,2-Dichloropropane      | 6.791  | 63   | 7425     | 0.891 | ug/l    | 90       |
| 39) Methacrylonitrile        | 4.977  | 41   | 2451     | 0.896 | ug/l    | # 85     |
| 40) Methyl acrylate          | 4.852  | 55   | 4003     | 0.949 | ug/l    | # 93     |
| 41) Tetrahydrofuran          | 5.064  | 42   | 2341     | 1.750 | ug/l    | 96       |
| 42) 1-Chlorobutane           | 5.453  | 56   | 12280    | 0.904 | ug/l    | 98       |
| 43) Dibromomethane           | 6.916  | 93   | 3292     | 0.892 | ug/l    | 99       |
| 44) Bromodichloromethane     | 7.103  | 83   | 8808     | 0.872 | ug/l    | # 96     |

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 Sample : VSTDIC001  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC001

Quant Time: Feb 28 01:53:39 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U022723DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Tue Feb 28 01:52:21 2023  
 Response via : Initial Calibration

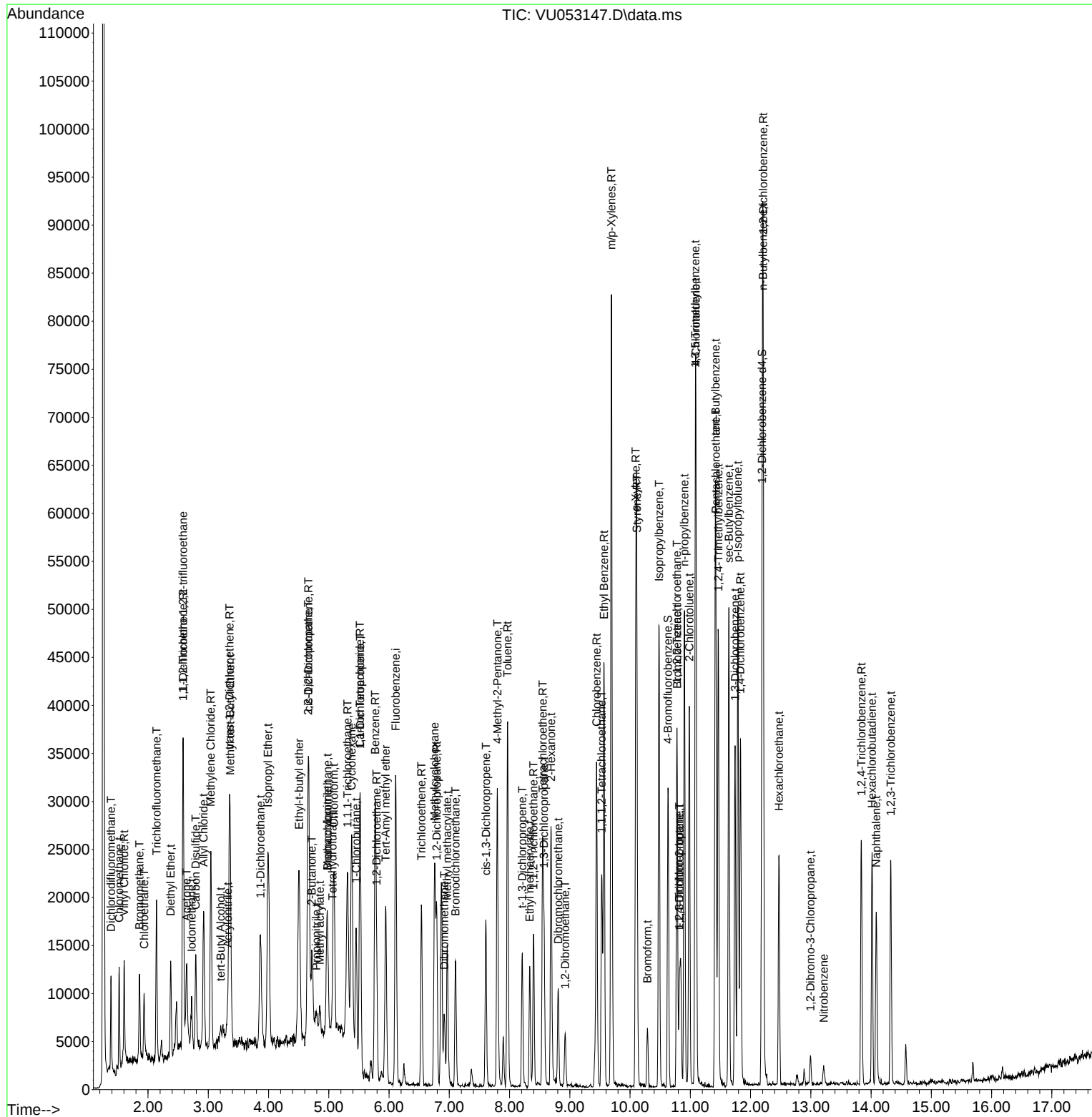
| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.797  | 43   | 20271    | 4.497 | ug/l   | 99       |
| 46) t-1,4-Dichloro-2-butene   | 10.819 | 75   | 8067     | 3.552 | ug/l # | 56       |
| 47) Methyl methacrylate       | 6.964  | 69   | 6544     | 1.722 | ug/l   | 94       |
| 48) Ethyl methacrylate        | 8.334  | 69   | 6787     | 0.870 | ug/l   | 88       |
| 49) Toluene                   | 7.967  | 92   | 16034    | 0.904 | ug/l   | 97       |
| 50) t-1,3-Dichloropropene     | 8.212  | 75   | 8434     | 0.860 | ug/l   | 96       |
| 51) cis-1,3-Dichloropropene   | 7.607  | 75   | 10841    | 0.912 | ug/l   | 99       |
| 52) 1,1,2-Trichloroethane     | 8.398  | 97   | 4588     | 0.846 | ug/l   | 95       |
| 53) 1,3-Dichloropropane       | 8.572  | 76   | 8891     | 0.915 | ug/l   | 100      |
| 54) 2-Hexanone                | 8.688  | 43   | 17927    | 4.668 | ug/l   | 99       |
| 55) Dibromochloromethane      | 8.807  | 129  | 5161     | 0.834 | ug/l   | 96       |
| 56) 1,2-Dibromoethane         | 8.922  | 107  | 4299     | 0.892 | ug/l   | 95       |
| 58) Tetrachloroethene         | 8.549  | 164  | 4801     | 0.911 | ug/l   | 97       |
| 59) Chlorobenzene             | 9.447  | 112  | 17468    | 0.881 | ug/l   | 100      |
| 60) 1,1,1,2-Tetrachloroethane | 9.527  | 131  | 5853     | 0.893 | ug/l   | 97       |
| 61) Pentachloroethane         | 11.424 | 117  | 4652     | 0.817 | ug/l   | 99       |
| 62) Hexachloroethane          | 12.472 | 117  | 5371     | 0.856 | ug/l   | 95       |
| 63) Ethyl Benzene             | 9.569  | 91   | 32250    | 0.881 | ug/l   | 97       |
| 64) m/p-Xylenes               | 9.691  | 106  | 22916    | 1.726 | ug/l   | 98       |
| 65) o-Xylene                  | 10.096 | 106  | 12039    | 0.888 | ug/l   | 96       |
| 66) Styrene                   | 10.112 | 104  | 18247    | 0.849 | ug/l   | 99       |
| 67) Bromoform                 | 10.289 | 173  | 2460     | 0.818 | ug/l # | 97       |
| 69) Isopropylbenzene          | 10.482 | 105  | 31497    | 0.867 | ug/l   | 100      |
| 70) 1,1,2,2-Tetrachloroethane | 10.778 | 83   | 6538     | 0.895 | ug/l   | 99       |
| 71) 1,2,3-Trichloropropane    | 10.819 | 75   | 8067     | 1.322 | ug/l # | 53       |
| 72) Bromobenzene              | 10.781 | 156  | 6110     | 0.867 | ug/l   | 96       |
| 73) n-propylbenzene           | 10.903 | 120  | 8357     | 0.867 | ug/l   | 100      |
| 74) 2-Chlorotoluene           | 10.983 | 126  | 6684     | 0.838 | ug/l   | 91       |
| 75) 1,3,5-Trimethylbenzene    | 11.083 | 105  | 26390    | 0.873 | ug/l   | 98       |
| 76) 4-Chlorotoluene           | 11.093 | 126  | 7170     | 0.855 | ug/l   | 98       |
| 77) tert-Butylbenzene         | 11.418 | 119  | 25490    | 0.861 | ug/l   | 99       |
| 78) 1,2,4-Trimethylbenzene    | 11.466 | 105  | 26701    | 0.867 | ug/l   | 99       |
| 79) sec-Butylbenzene          | 11.639 | 105  | 34505    | 0.840 | ug/l   | 97       |
| 80) Nitrobenzene              | 13.215 | 77   | 1608     | 4.210 | ug/l # | 94       |
| 81) p-Isopropyltoluene        | 11.787 | 119  | 28046    | 0.862 | ug/l   | 98       |
| 82) 1,3-Dichlorobenzene       | 11.742 | 146  | 13376    | 0.865 | ug/l   | 98       |
| 83) 1,4-Dichlorobenzene       | 11.832 | 146  | 13785    | 0.873 | ug/l   | 100      |
| 84) n-Butylbenzene            | 12.205 | 91   | 28382    | 0.842 | ug/l   | 99       |
| 85) 1,2-Dichlorobenzene       | 12.208 | 146  | 12769    | 0.866 | ug/l   | 100      |
| 86) 1,2-Dibromo-3-Chloropr... | 12.993 | 75   | 856      | 0.991 | ug/l # | 72       |
| 87) 1,2,4-Trichlorobenzene    | 13.839 | 180  | 7518     | 0.831 | ug/l   | 97       |
| 88) Hexachlorobutadiene       | 14.015 | 225  | 3968     | 0.898 | ug/l   | 89       |
| 89) Naphthalene               | 14.086 | 128  | 16052    | 0.829 | ug/l   | 100      |
| 90) 1,2,3-Trichlorobenzene    | 14.327 | 180  | 6895     | 0.866 | ug/l   | 96       |

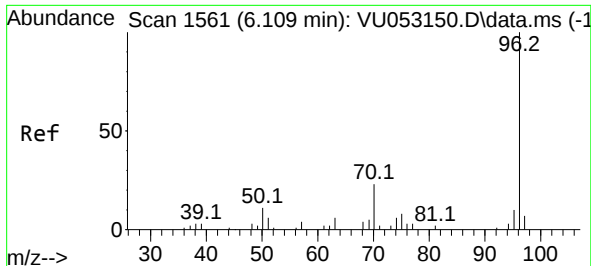
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 ALS Vial : 4 Sample Multiplier: 1

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 ClientSampleId :  
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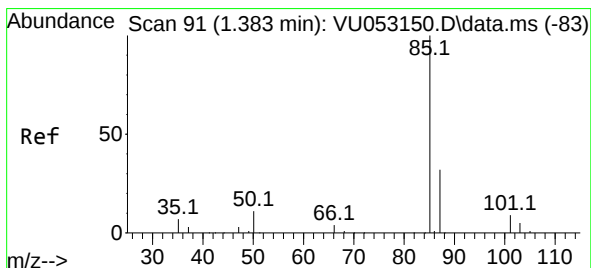
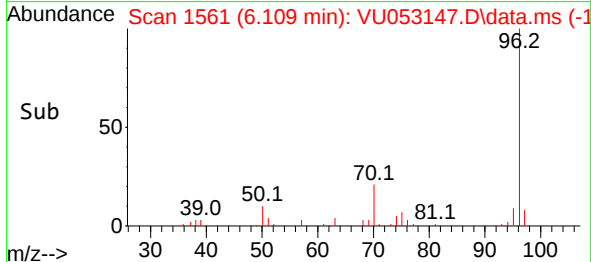
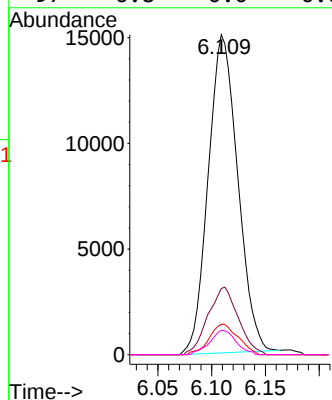
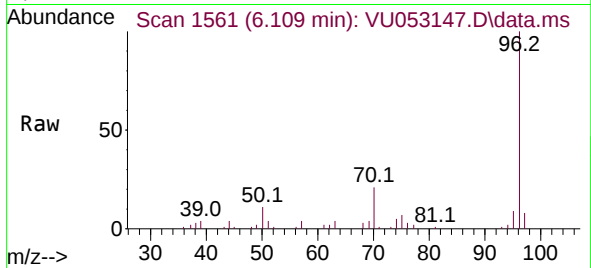




#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.109 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

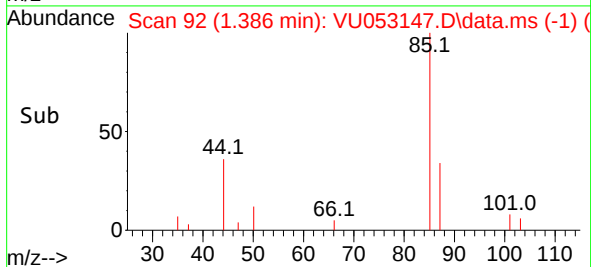
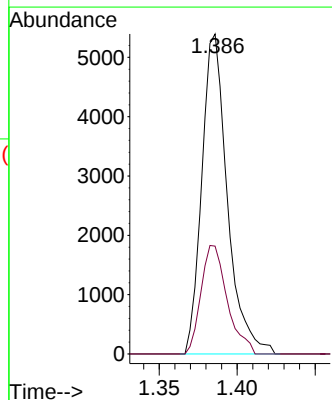
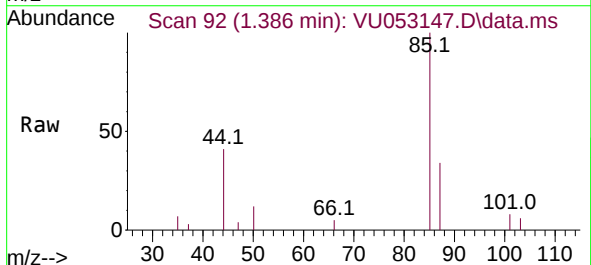
Instrument :  
MSVOA\_U  
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VSTDICC001

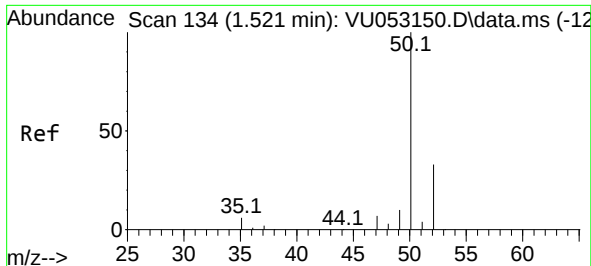
|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 28742 |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 70 21.8     | 15.5 23.3   |
| 95 9.4      | 7.0 10.6    |
| 97 6.8      | 0.0 0.0#    |



#2  
Dichlorodifluoromethane  
Concen: 0.840 ug/l  
RT: 1.386 min Scan# 92  
Delta R.T. 0.003 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

|             |             |
|-------------|-------------|
| Tgt Ion: 85 | Resp: 6130  |
| Ion Ratio   | Lower Upper |
| 85 100      |             |
| 87 33.7     | 16.1 48.2   |

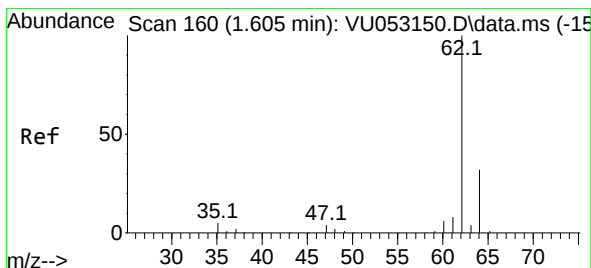
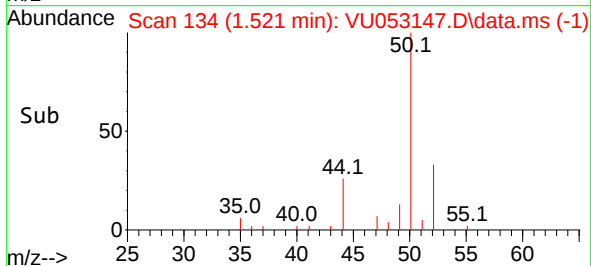
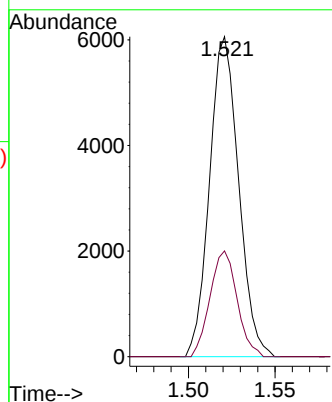
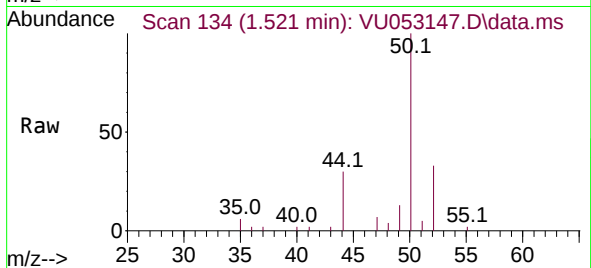




#3  
Chloromethane  
Concen: 0.940 ug/l  
RT: 1.521 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

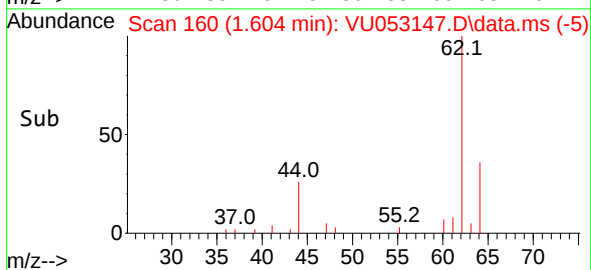
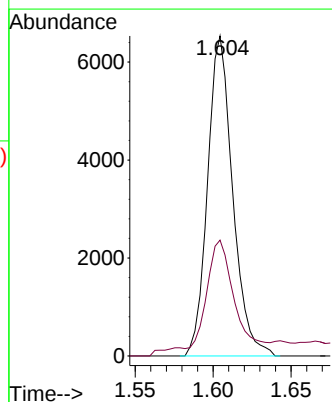
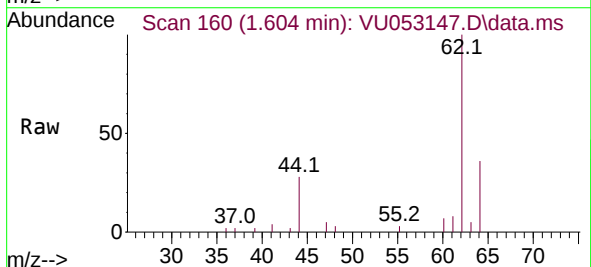
Instrument :  
MSVOA\_U  
ClientSampleId :  
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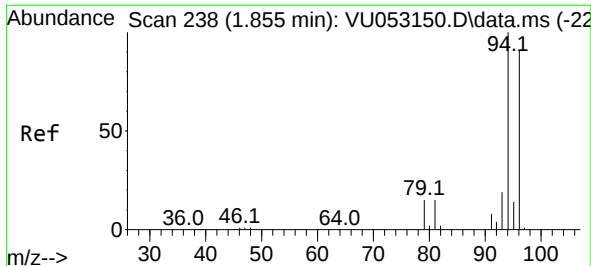
Tgt Ion: 50 Resp: 7064  
Ion Ratio Lower Upper  
50 100  
52 33.0 26.7 40.1



#4  
Vinyl Chloride  
Concen: 0.917 ug/l  
RT: 1.604 min Scan# 160  
Delta R.T. -0.000 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

Tgt Ion: 62 Resp: 7336  
Ion Ratio Lower Upper  
62 100  
64 33.7 25.8 38.6





#5

Bromomethane

Concen: 0.832 ug/l

RT: 1.858 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

Instrument :

MSVOA\_U

ClientSampleId :

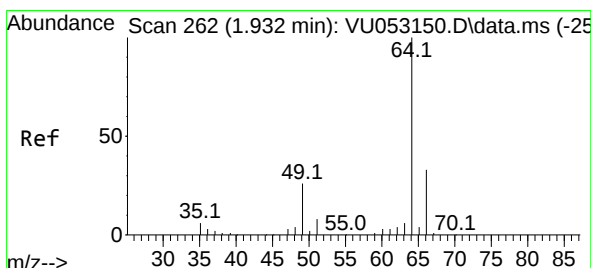
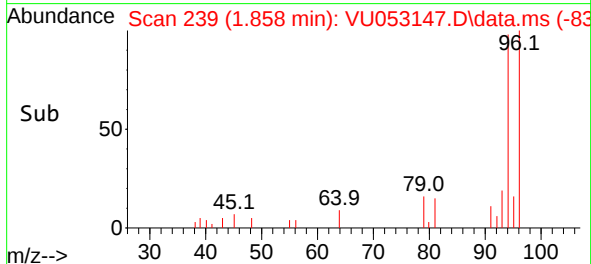
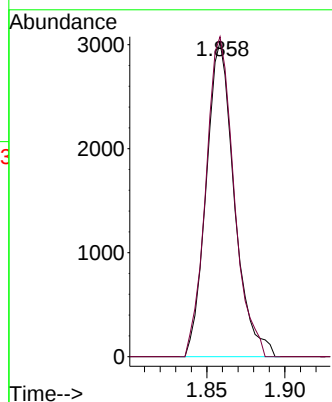
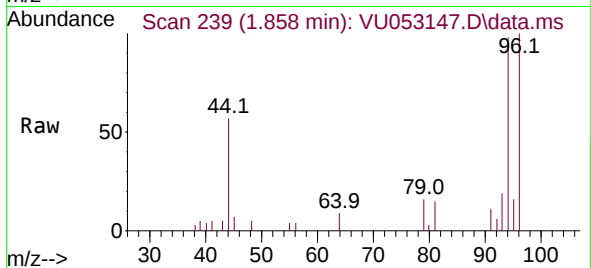
VSTDIC001

Tgt Ion: 94 Resp: 3791

Ion Ratio Lower Upper

94 100

96 101.6 72.6 108.8



#6

Chloroethane

Concen: 0.876 ug/l

RT: 1.936 min Scan# 263

Delta R.T. 0.003 min

Lab File: VU053147.D

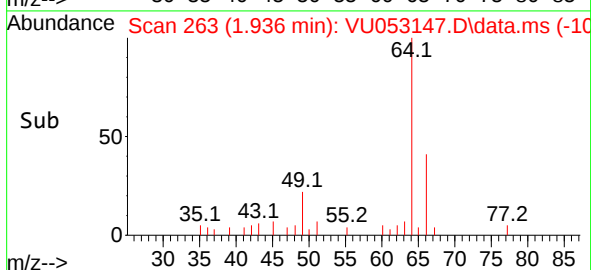
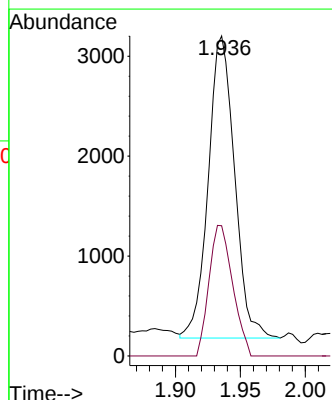
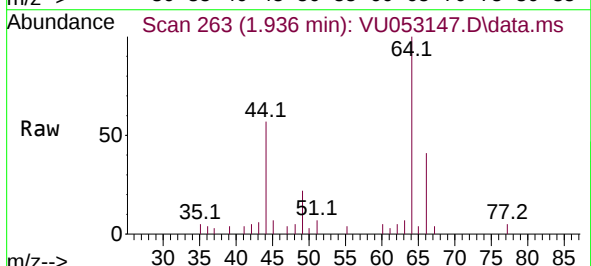
Acq: 27 Feb 2023 10:38

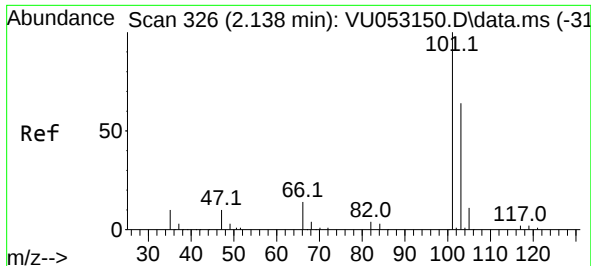
Tgt Ion: 64 Resp: 4260

Ion Ratio Lower Upper

64 100

66 43.1 26.8 40.2#

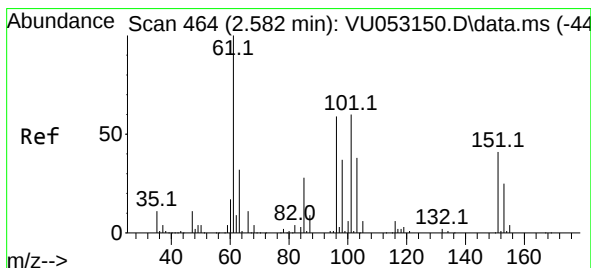
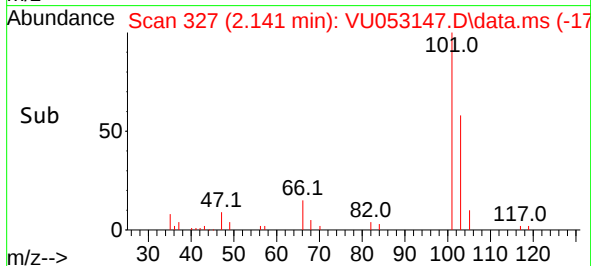
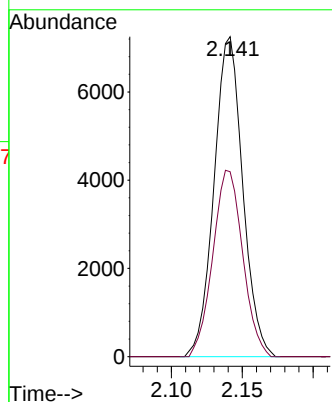
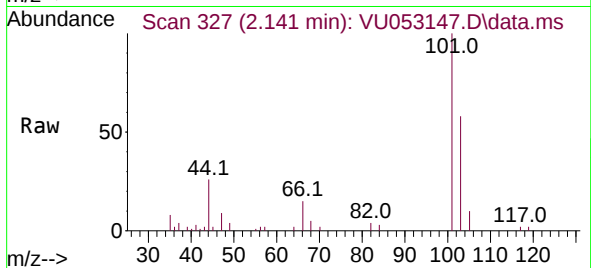




#7  
 Trichlorofluoromethane  
 Concen: 0.888 ug/l  
 RT: 2.141 min Scan# 31  
 Delta R.T. 0.003 min  
 Lab File: VU053147.D  
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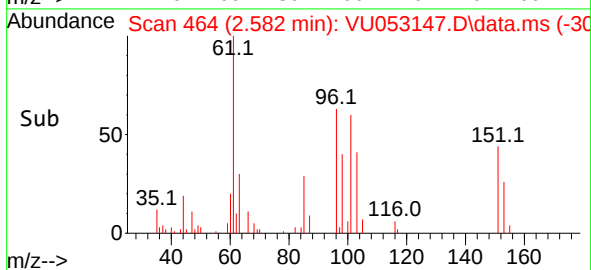
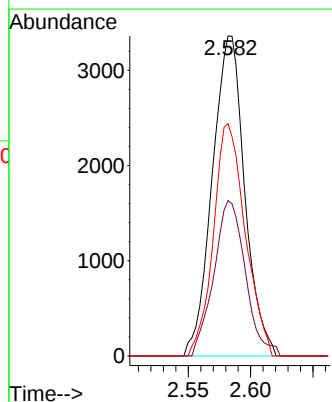
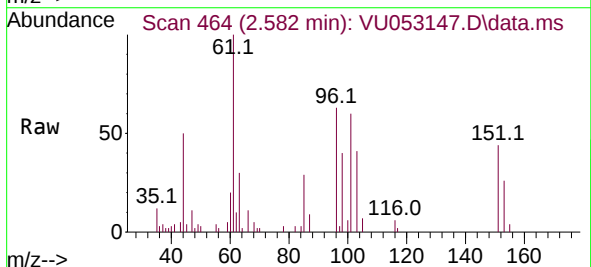
Instrument :  
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 ClientSampleId :  
 VSTDIC001

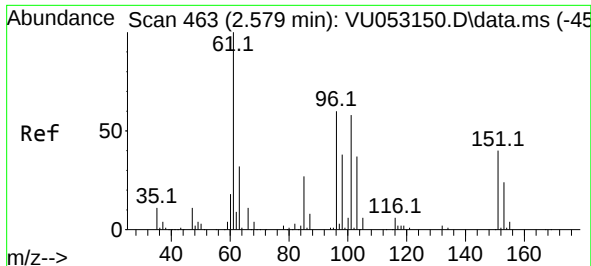
Tgt Ion:101 Resp: 10228  
 Ion Ratio Lower Upper  
 101 100  
 103 57.8 51.2 76.8



#8  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.844 ug/l  
 RT: 2.582 min Scan# 464  
 Delta R.T. -0.000 min  
 Lab File: VU053147.D  
 Acq: 27 Feb 2023 10:38

Tgt Ion:101 Resp: 6080  
 Ion Ratio Lower Upper  
 101 100  
 85 47.3 37.3 55.9  
 151 71.3 52.4 78.6

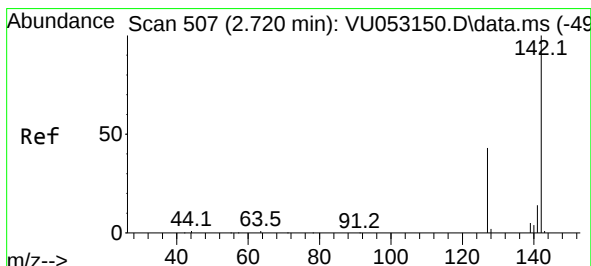
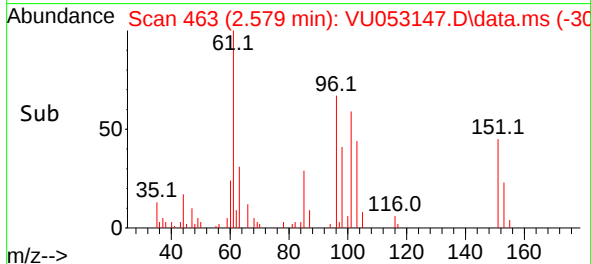
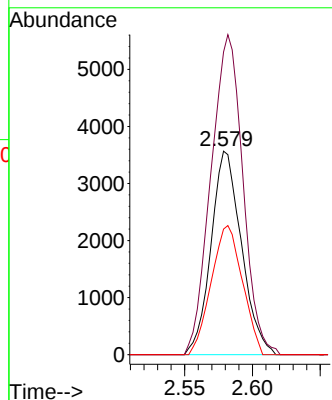
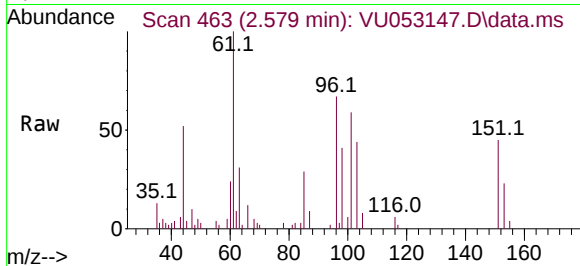




#9  
1,1-Dichloroethene  
Concen: 0.891 ug/l  
RT: 2.579 min Scan# 463  
Delta R.T. -0.000 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

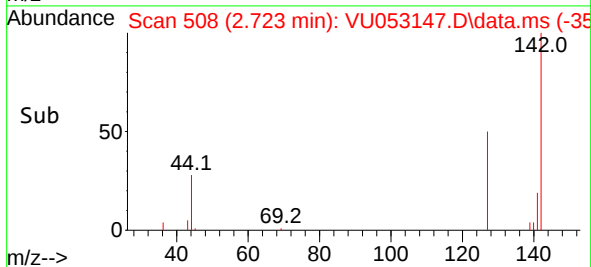
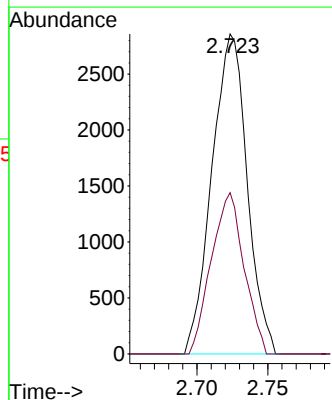
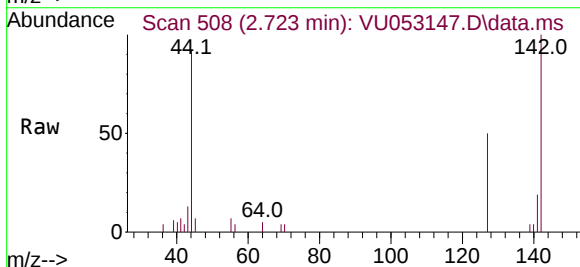
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MSVOA\_U  
ClientSampleId :  
VSTDIC001

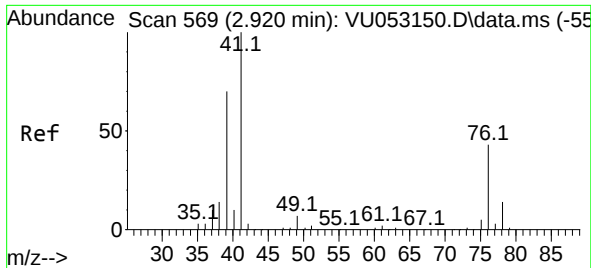
Tgt Ion: 96 Resp: 5572  
Ion Ratio Lower Upper  
96 100  
61 148.7 0.0 502.5  
98 61.7 0.0 126.2



#10  
Iodomethane  
Concen: 0.769 ug/l  
RT: 2.723 min Scan# 508  
Delta R.T. 0.003 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

Tgt Ion: 142 Resp: 4948  
Ion Ratio Lower Upper  
142 100  
127 46.7 35.8 53.8

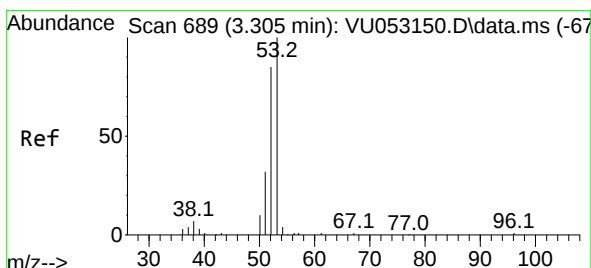
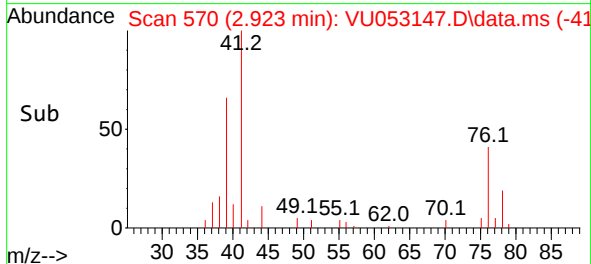
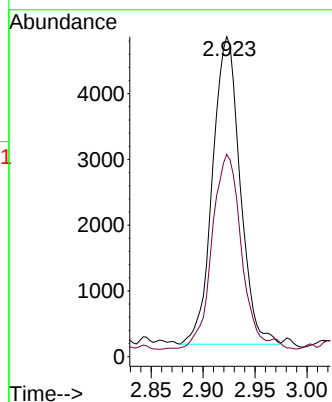
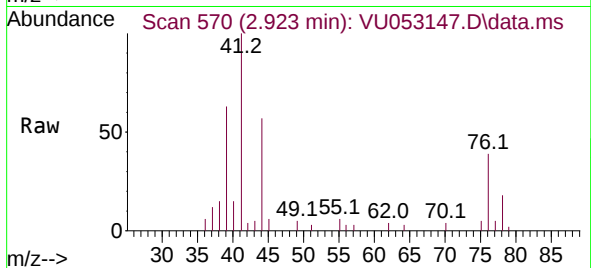




#11  
 Allyl Chloride  
 Concen: 0.883 ug/l  
 RT: 2.923 min Scan# 51  
 Delta R.T. 0.003 min  
 Lab File: VU053147.D  
 Acq: 27 Feb 2023 10:38

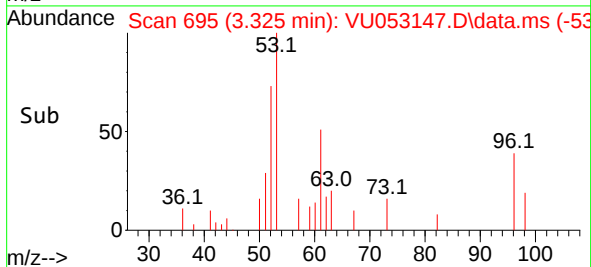
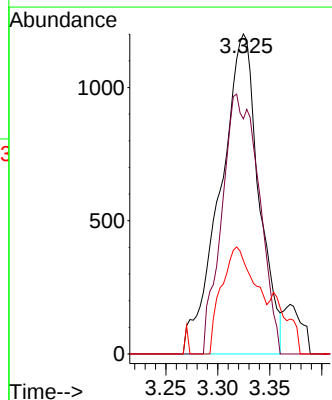
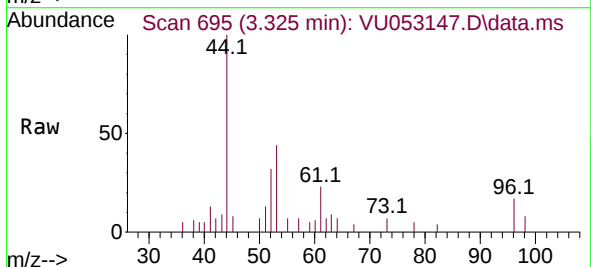
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC001

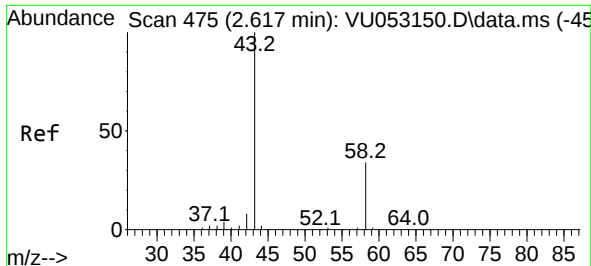
Tgt Ion: 41 Resp: 8625  
 Ion Ratio Lower Upper  
 41 100  
 39 65.4 55.3 82.9



#12  
 Acrylonitrile  
 Concen: 1.934 ug/l  
 RT: 3.325 min Scan# 695  
 Delta R.T. 0.019 min  
 Lab File: VU053147.D  
 Acq: 27 Feb 2023 10:38

Tgt Ion: 53 Resp: 3106  
 Ion Ratio Lower Upper  
 53 100  
 52 78.0 65.9 98.9  
 51 29.9 31.8 47.8#





#13

Acetone

Concen: 5.130 ug/l

RT: 2.640 min Scan# 41

Delta R.T. 0.022 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

Instrument :

MSVOA\_U

ClientSampleId :

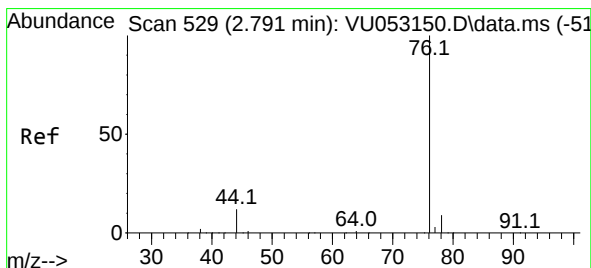
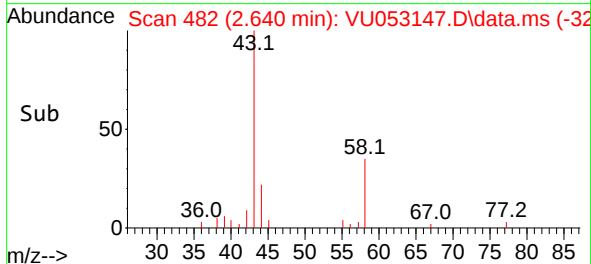
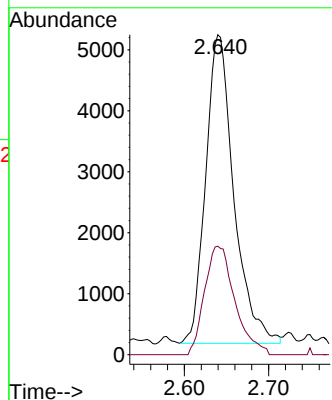
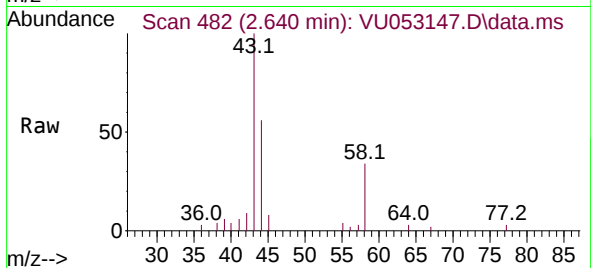
VSTDIC001

Tgt Ion: 43 Resp: 11749

Ion Ratio Lower Upper

43 100

58 35.2 27.2 40.8



#14

Carbon Disulfide

Concen: 0.865 ug/l

RT: 2.791 min Scan# 529

Delta R.T. -0.000 min

Lab File: VU053147.D

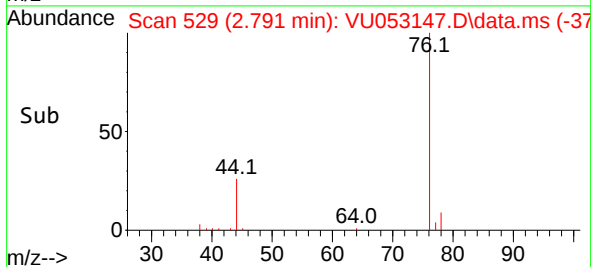
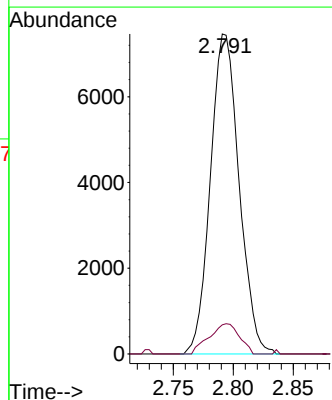
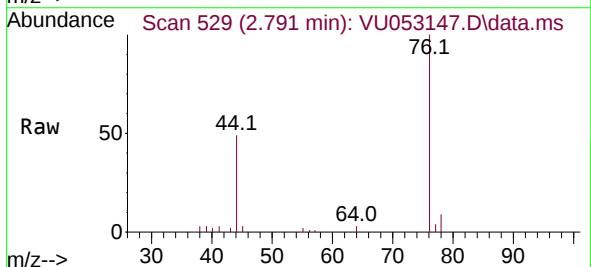
Acq: 27 Feb 2023 10:38

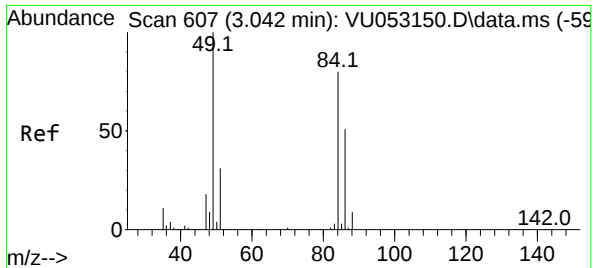
Tgt Ion: 76 Resp: 12415

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

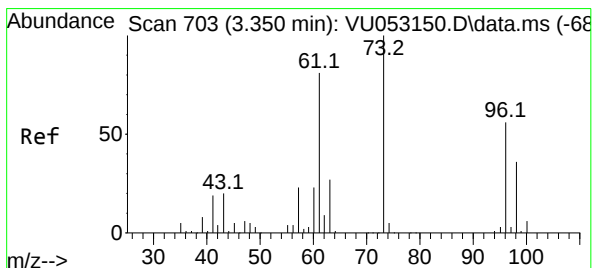
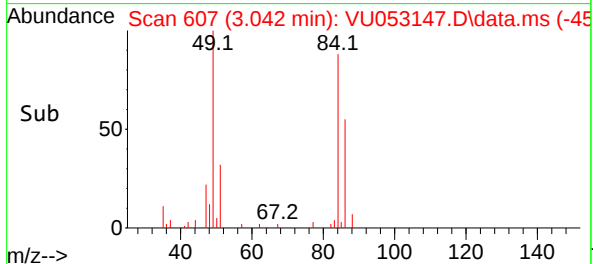
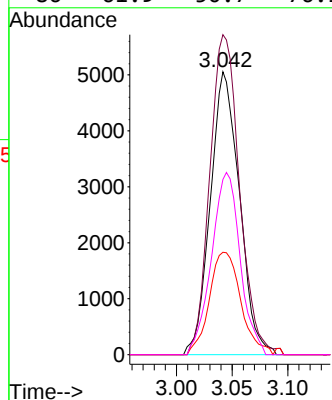
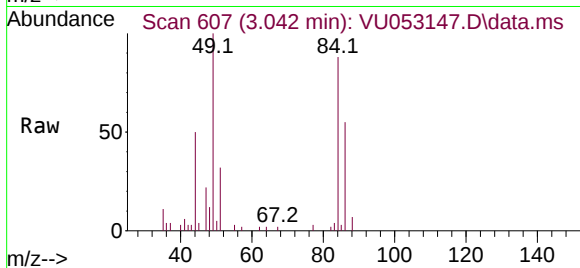




#15  
Methylene Chloride  
Concen: 1.028 ug/l  
RT: 3.042 min Scan# 607  
Delta R.T. -0.000 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

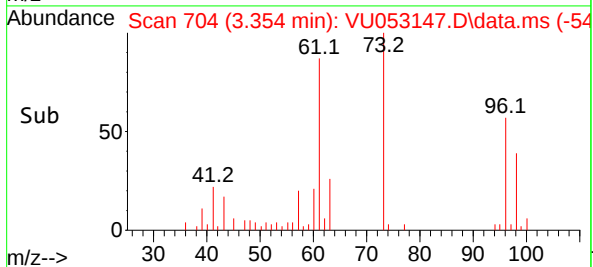
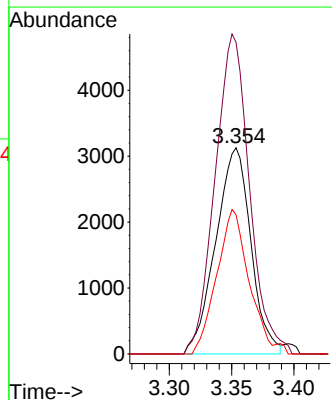
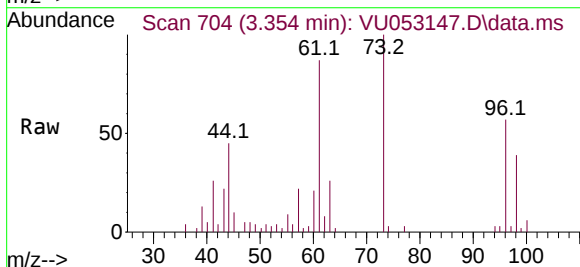
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

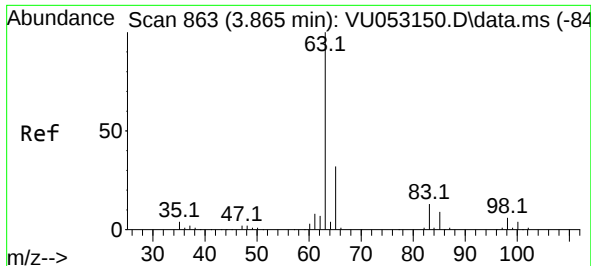
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 9197  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 113.1 | 99.5  | 149.3 |
| 51       | 36.2  | 0.0   | 76.8  |
| 86       | 61.9  | 50.7  | 76.1  |



#16  
trans-1,2-Dichloroethene  
Concen: 0.893 ug/l  
RT: 3.354 min Scan# 704  
Delta R.T. 0.003 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 6140  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 151.2 | 116.1 | 174.1 |
| 98       | 67.5  | 51.4  | 77.2  |

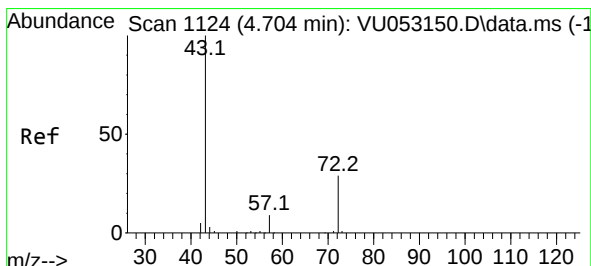
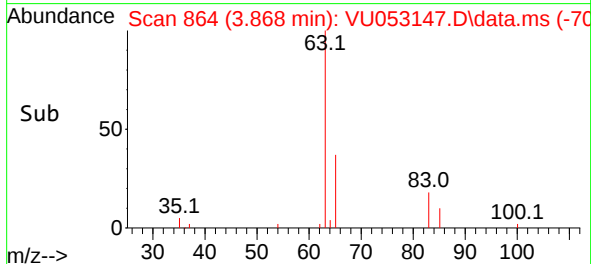
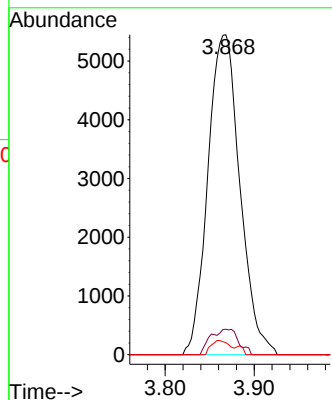
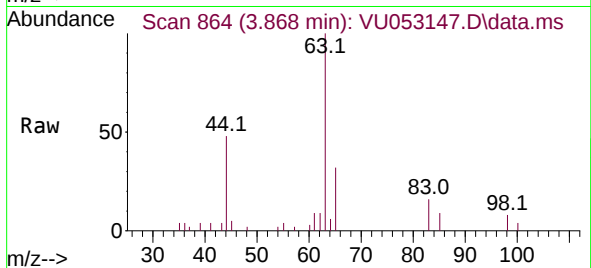




#17  
1,1-Dichloroethane  
Concen: 0.906 ug/l  
RT: 3.868 min Scan# 863  
Delta R.T. 0.003 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

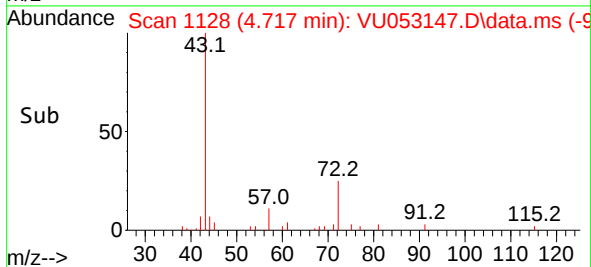
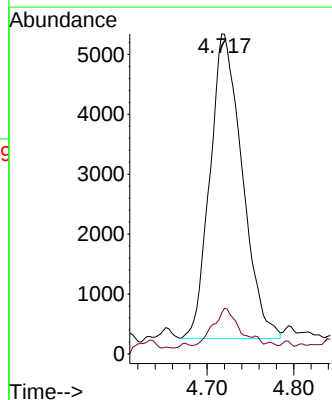
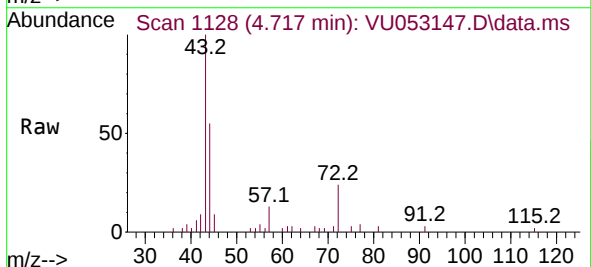
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

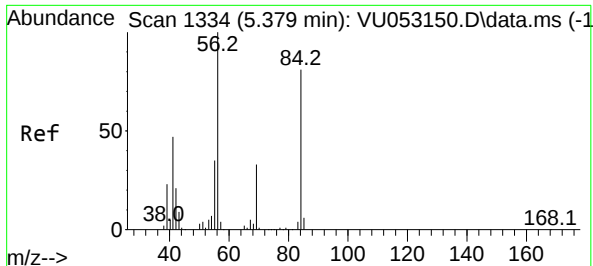
Tgt Ion: 63 Resp: 13639  
Ion Ratio Lower Upper  
63 100  
98 7.9 3.1 9.4  
100 3.8 2.1 6.2



#18  
2-Butanone  
Concen: 4.788 ug/l  
RT: 4.717 min Scan# 1128  
Delta R.T. 0.013 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

Tgt Ion: 43 Resp: 13164  
Ion Ratio Lower Upper  
43 100  
57 10.8 0.0 17.6





#19

Cyclohexane

Concen: 0.815 ug/l

RT: 5.379 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

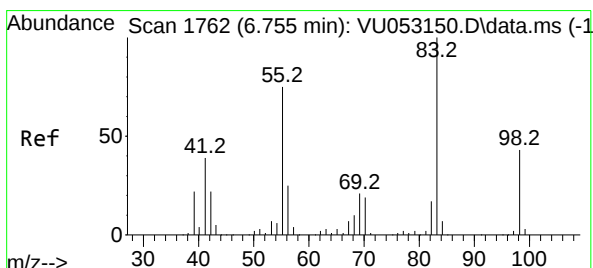
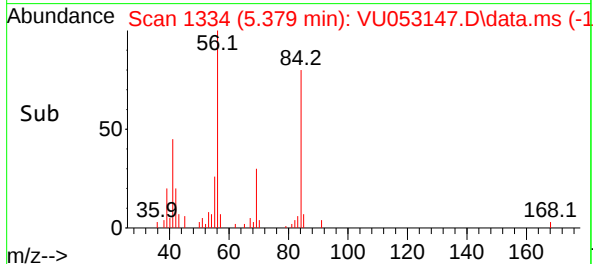
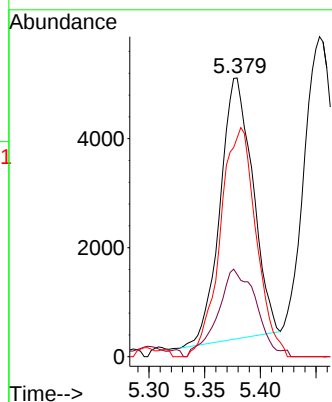
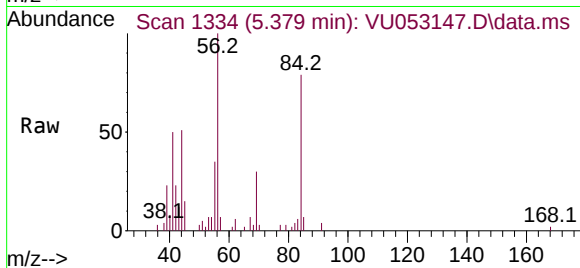
Tgt Ion: 56 Resp: 9783

Ion Ratio Lower Upper

56 100

69 39.6 26.1 39.1#

84 95.8 64.7 97.1



#20

Methylcyclohexane

Concen: 0.864 ug/l

RT: 6.755 min Scan# 1762

Delta R.T. -0.000 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

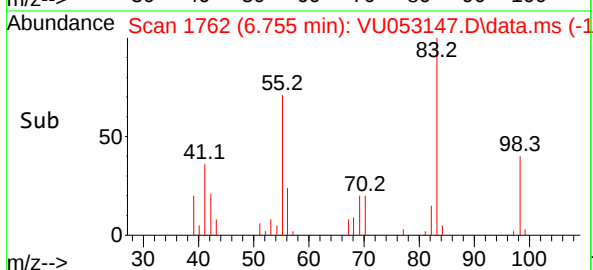
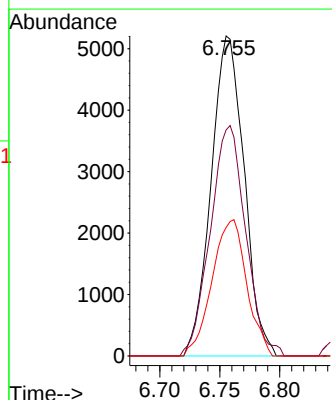
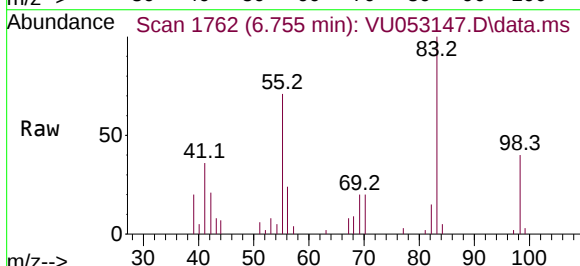
Tgt Ion: 83 Resp: 9971

Ion Ratio Lower Upper

83 100

55 76.9 60.2 90.2

98 44.7 33.9 50.9





#21

2,2-Dichloropropane

Concen: 0.901 ug/l

RT: 4.659 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

Instrument :

MSVOA\_U

ClientSampleId :

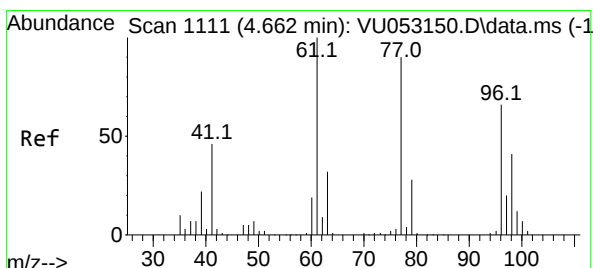
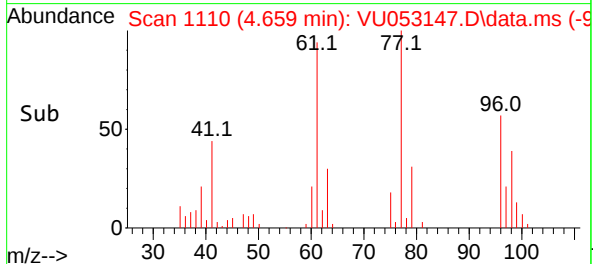
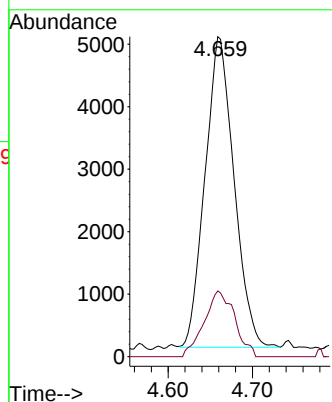
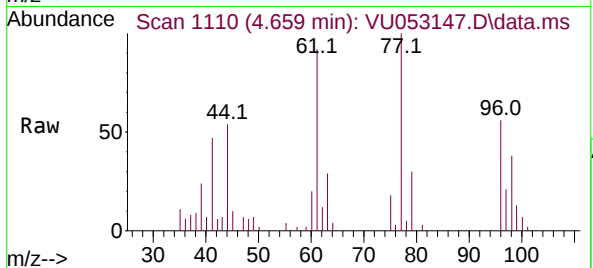
VSTDIC001

Tgt Ion: 77 Resp: 11873

Ion Ratio Lower Upper

77 100

97 22.3 17.9 26.9



#22

cis-1,2-Dichloroethene

Concen: 0.842 ug/l

RT: 4.662 min Scan# 1111

Delta R.T. -0.000 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

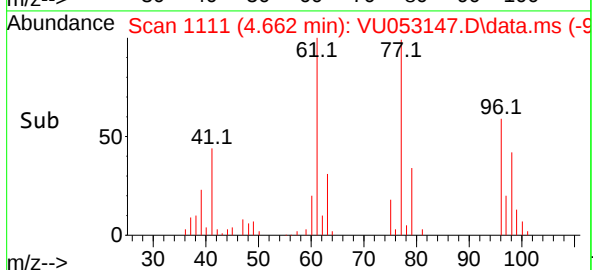
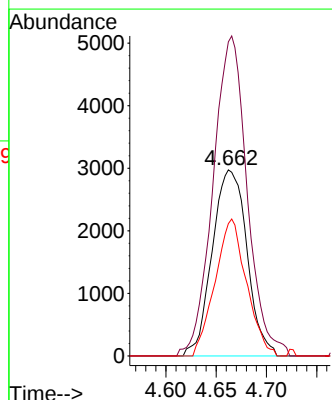
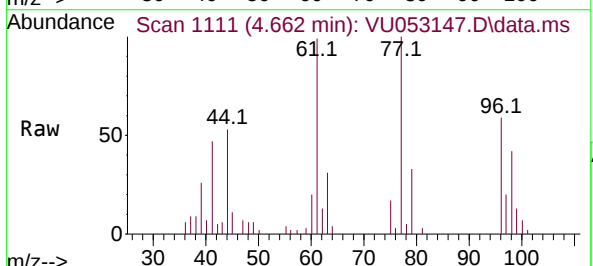
Tgt Ion: 96 Resp: 7143

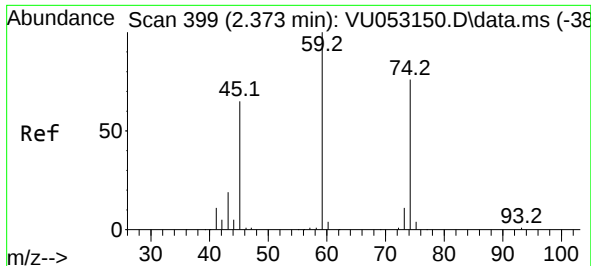
Ion Ratio Lower Upper

96 100

61 169.0 0.0 390.5

98 66.6 31.9 95.9

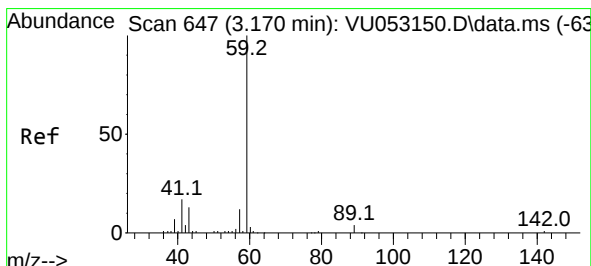
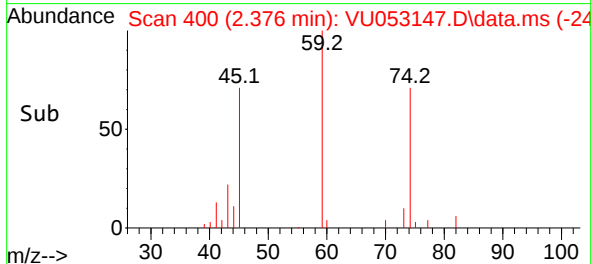
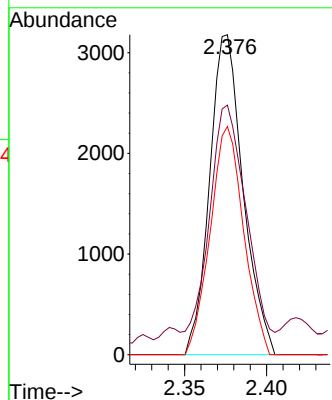
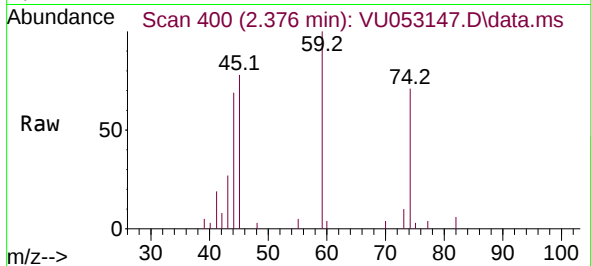




#23  
Diethyl Ether  
Concen: 0.879 ug/l  
RT: 2.376 min Scan# 400  
Delta R.T. 0.003 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

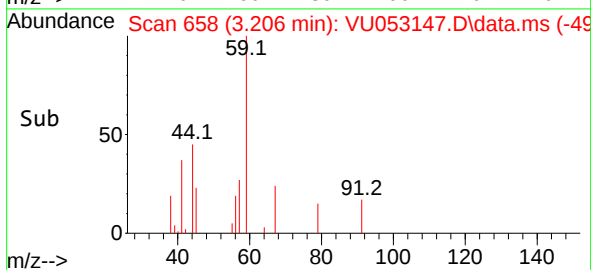
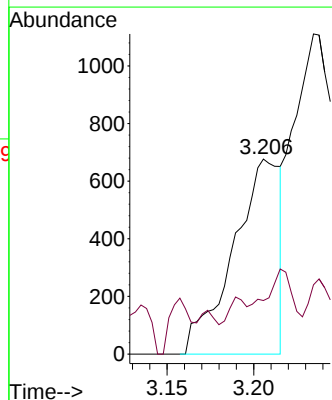
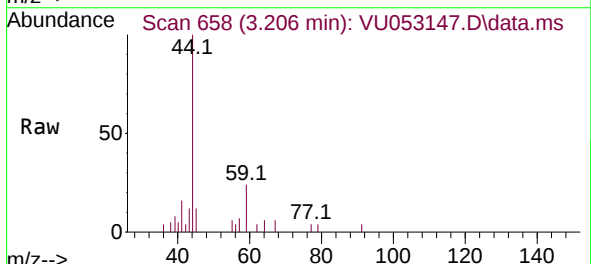
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

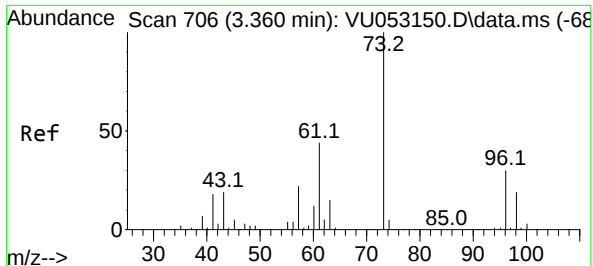
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 59    | Resp: | 4502  |
| Ion      | Ratio | Lower | Upper |
| 59       | 100   |       |       |
| 45       | 74.3  | 54.2  | 81.2  |
| 74       | 71.1  | 60.4  | 90.6  |



#24  
tert-Butyl Alcohol  
Concen: 2.105 ug/l  
RT: 3.206 min Scan# 658  
Delta R.T. 0.035 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 59    | Resp: | 1266  |
| Ion      | Ratio | Lower | Upper |
| 59       | 100   |       |       |
| 57       | 9.2   | 8.7   | 13.1  |

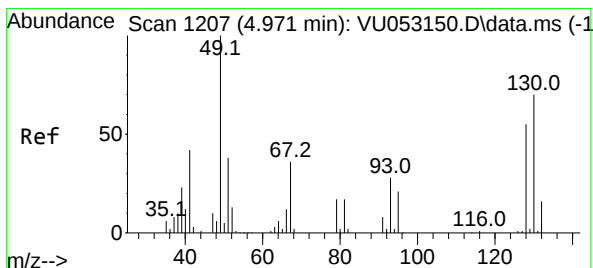
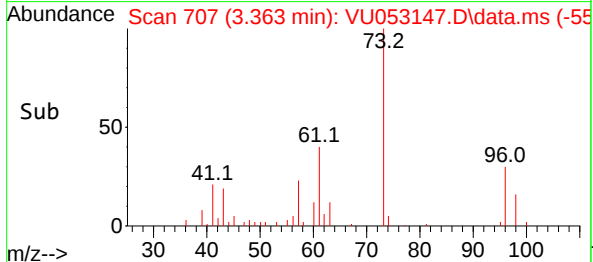
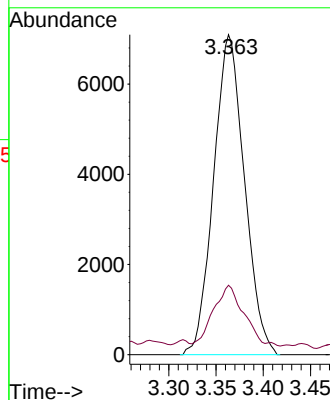
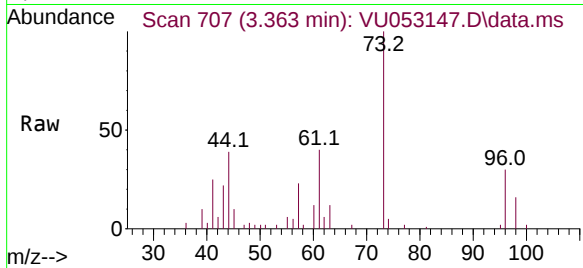




#25  
Methyl tert-Butyl Ether  
Concen: 0.885 ug/l  
RT: 3.363 min Scan# 706  
Delta R.T. 0.003 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

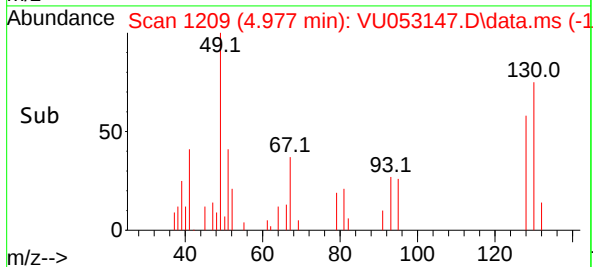
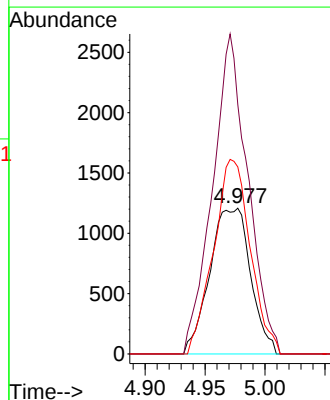
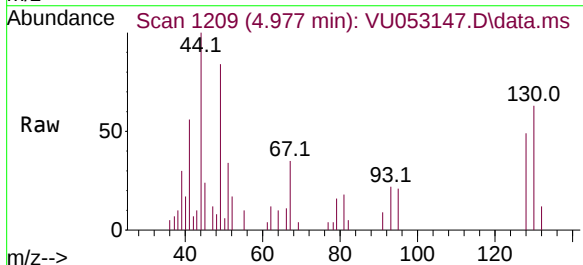
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

Tgt Ion: 73 Resp: 16094  
Ion Ratio Lower Upper  
73 100  
43 17.0 15.0 22.6



#26  
Bromochloromethane  
Concen: 0.870 ug/l  
RT: 4.977 min Scan# 1209  
Delta R.T. 0.006 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

Tgt Ion: 128 Resp: 2856  
Ion Ratio Lower Upper  
128 100  
49 190.2 0.0 376.8  
130 120.7 104.8 157.2





#27

Chloroform

Concen: 0.908 ug/l

RT: 5.087 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

Instrument :

MSVOA\_U

ClientSampleId :

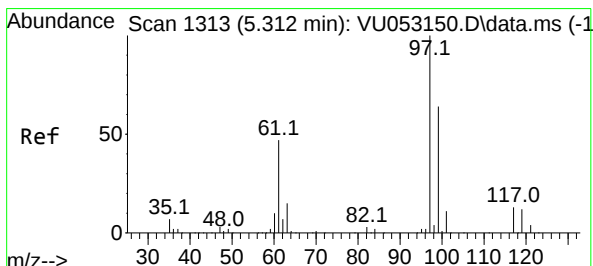
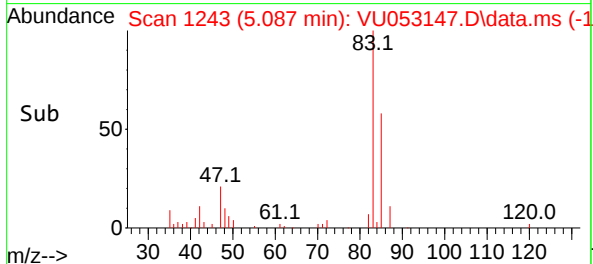
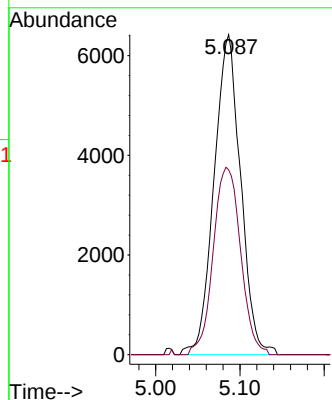
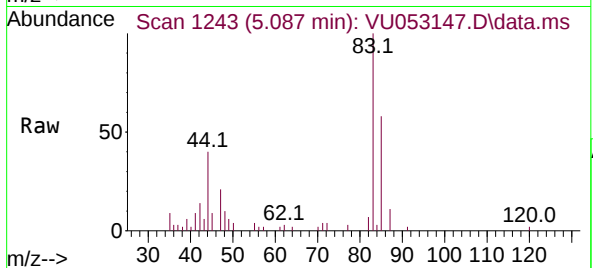
VSTDIC001

Tgt Ion: 83 Resp: 14081

Ion Ratio Lower Upper

83 100

85 57.8 0.0 129.2



#28

1,1,1-Trichloroethane

Concen: 0.913 ug/l

RT: 5.312 min Scan# 1313

Delta R.T. -0.000 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

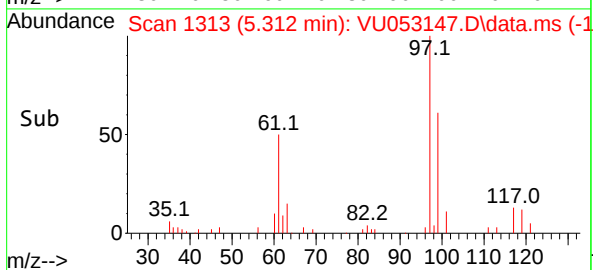
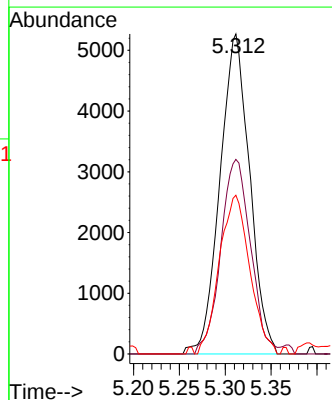
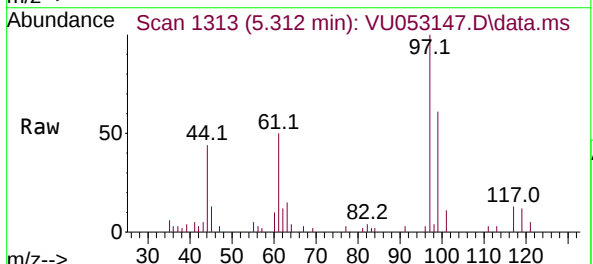
Tgt Ion: 97 Resp: 11893

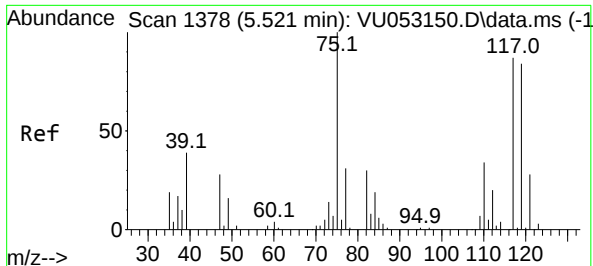
Ion Ratio Lower Upper

97 100

99 61.0 31.6 94.8

61 50.7 23.9 71.7





#29

1,1-Dichloropropene

Concen: 0.914 ug/l

RT: 5.521 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

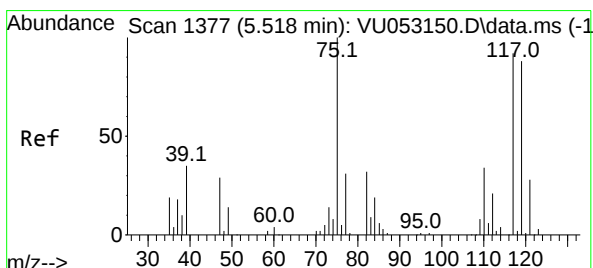
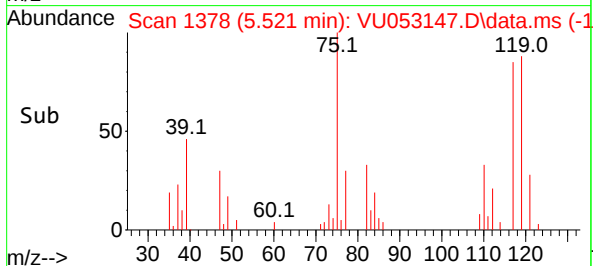
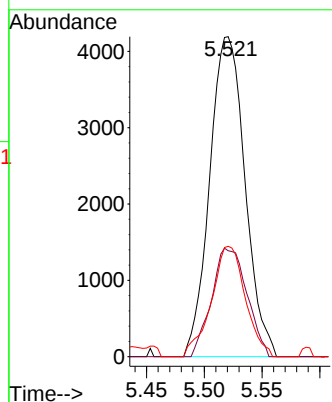
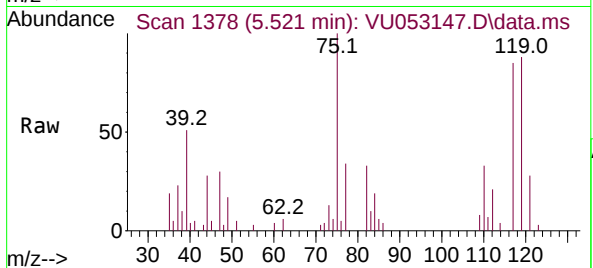
Tgt Ion: 75 Resp: 8923

Ion Ratio Lower Upper

75 100

110 33.9 16.3 48.8

77 33.2 24.9 37.3



#30

Carbon Tetrachloride

Concen: 0.898 ug/l

RT: 5.517 min Scan# 1377

Delta R.T. -0.000 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

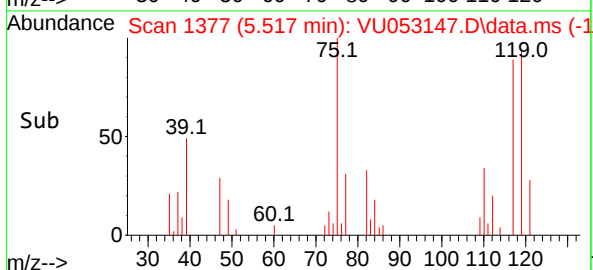
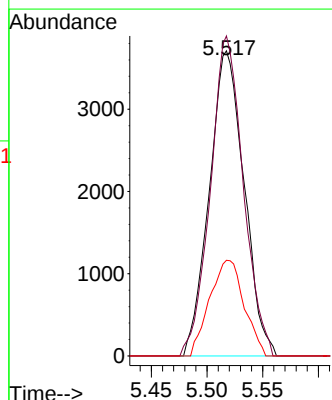
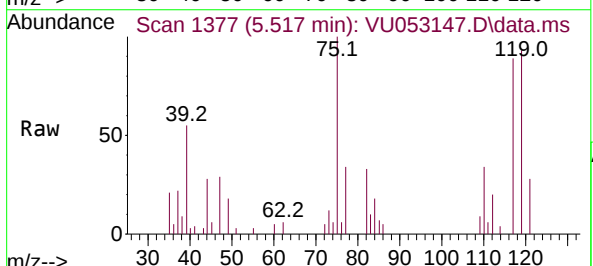
Tgt Ion: 117 Resp: 8055

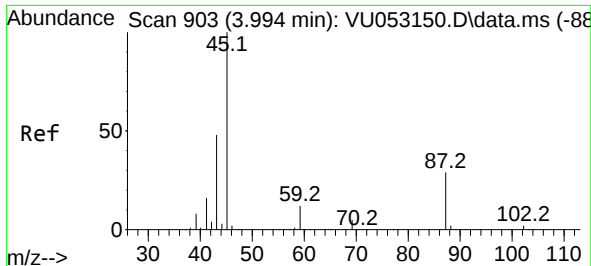
Ion Ratio Lower Upper

117 100

119 104.9 76.2 114.2

121 31.3 24.6 36.8

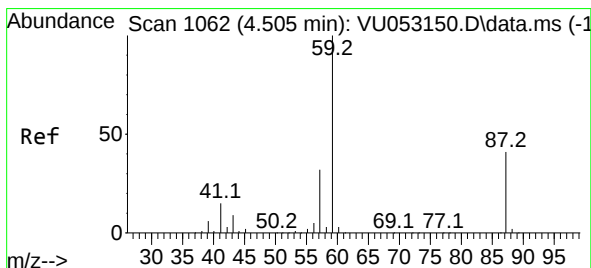
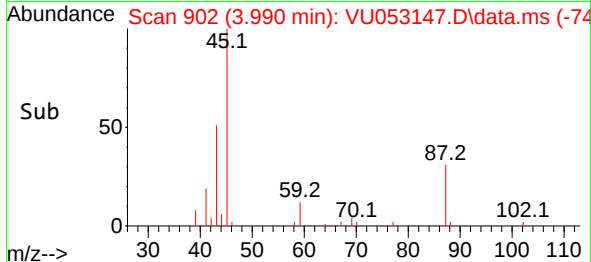
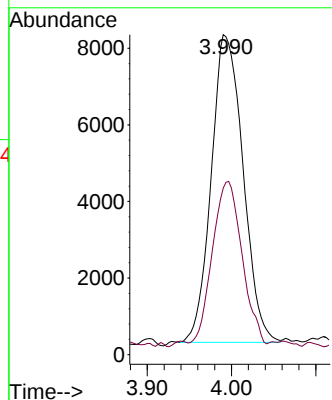
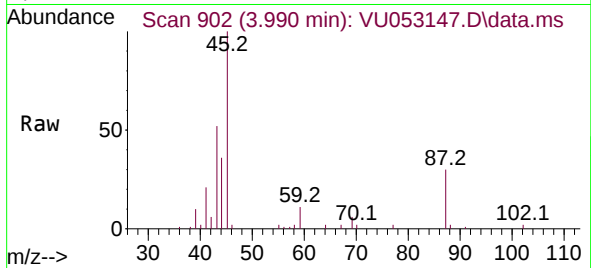




#31  
Isopropyl Ether  
Concen: 0.877 ug/l  
RT: 3.990 min Scan# 90  
Delta R.T. -0.003 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

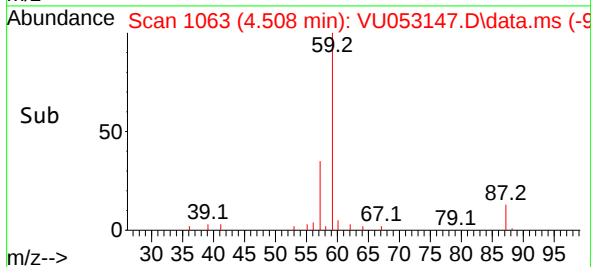
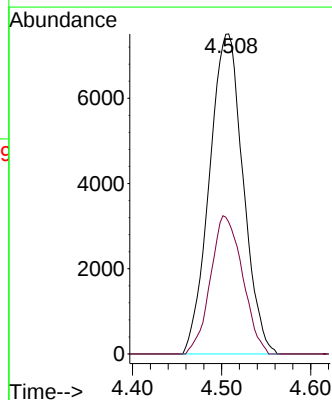
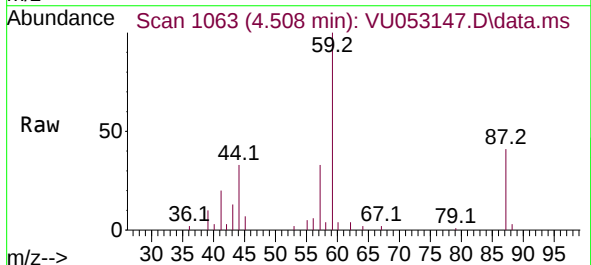
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

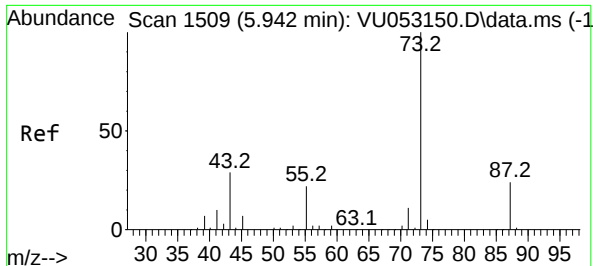
Tgt Ion: 45 Resp: 21057  
Ion Ratio Lower Upper  
45 100  
43 49.6 24.4 73.2



#32  
Ethyl-t-butyl ether  
Concen: 0.867 ug/l  
RT: 4.508 min Scan# 1063  
Delta R.T. 0.003 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

Tgt Ion: 59 Resp: 19727  
Ion Ratio Lower Upper  
59 100  
87 41.0 32.5 48.7

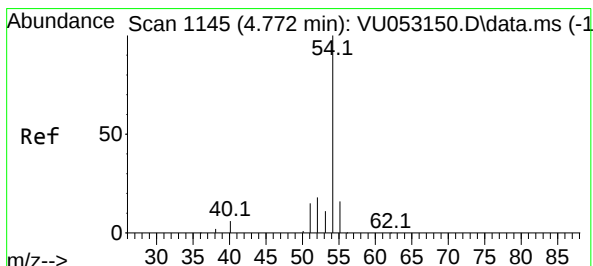
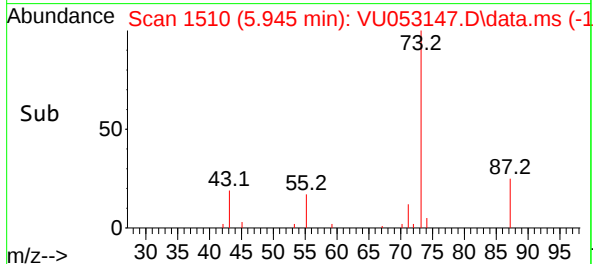
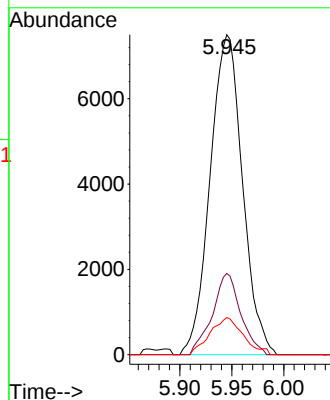
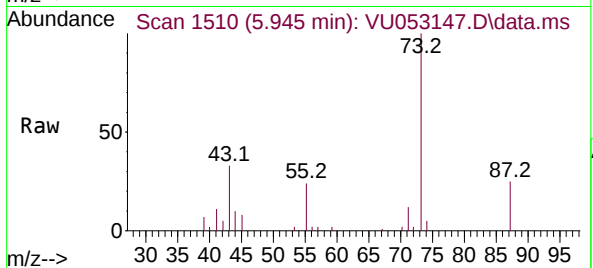




#33  
Tert-Amyl methyl ether  
Concen: 0.900 ug/l  
RT: 5.945 min Scan# 1150  
Delta R.T. 0.003 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

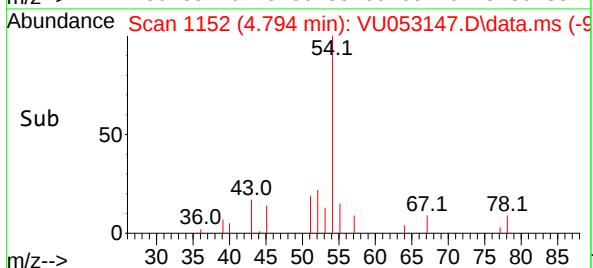
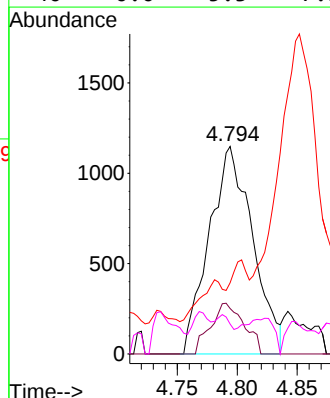
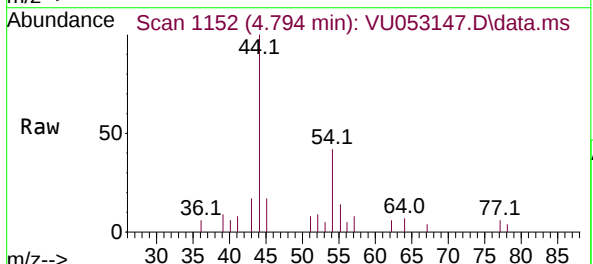
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

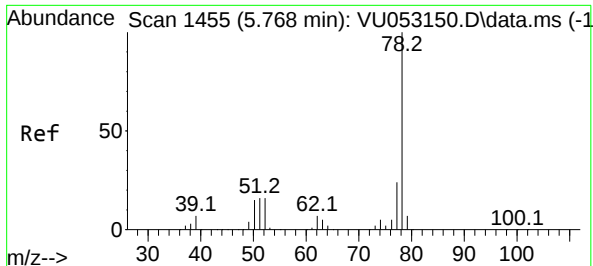
|             |                |
|-------------|----------------|
| Tgt Ion: 73 | Resp: 16248    |
| Ion Ratio   | Lower Upper    |
| 73          | 100            |
| 87          | 22.2 19.0 28.4 |
| 71          | 11.9 9.2 13.8  |



#34  
Propionitrile  
Concen: 4.515 ug/l  
RT: 4.794 min Scan# 1152  
Delta R.T. 0.022 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

|             |                |
|-------------|----------------|
| Tgt Ion: 54 | Resp: 2888     |
| Ion Ratio   | Lower Upper    |
| 54          | 100            |
| 52          | 18.9 16.5 24.7 |
| 55          | 11.6 11.4 17.2 |
| 40          | 0.0 5.3 7.9    |





#35

Benzene

Concen: 0.924 ug/l

RT: 5.771 min Scan# 1455

Delta R.T. 0.003 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

Instrument :

MSVOA\_U

ClientSampleId :

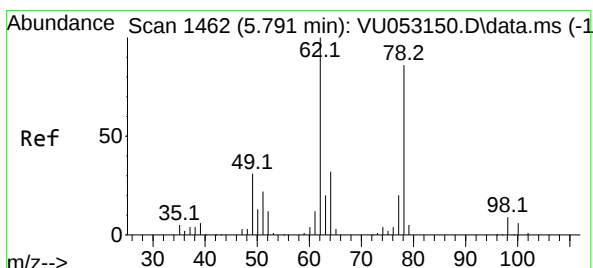
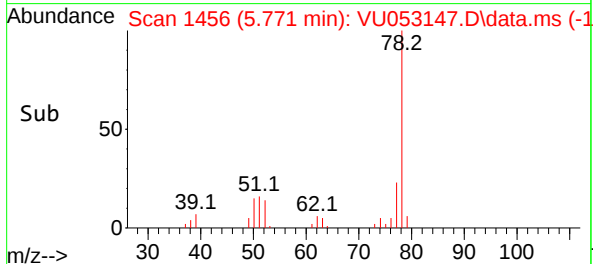
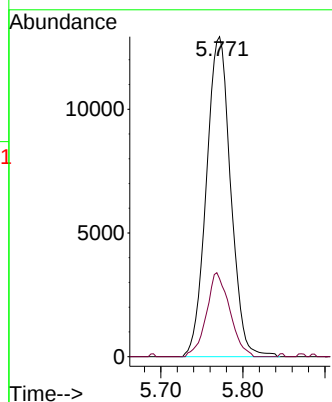
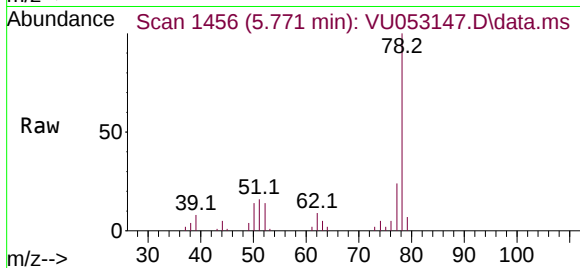
VSTDIC001

Tgt Ion: 78 Resp: 26606

Ion Ratio Lower Upper

78 100

77 24.4 18.9 28.3



#36

1,2-Dichloroethane

Concen: 0.935 ug/l

RT: 5.794 min Scan# 1463

Delta R.T. 0.003 min

Lab File: VU053147.D

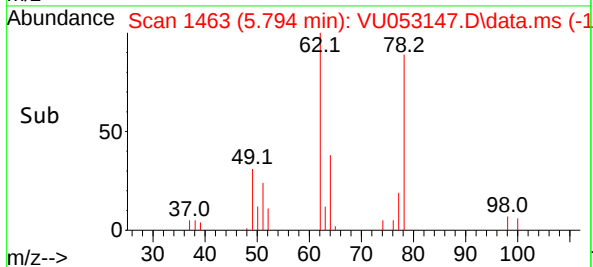
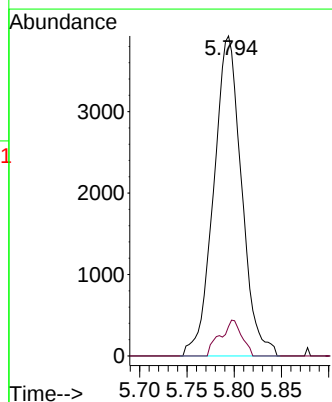
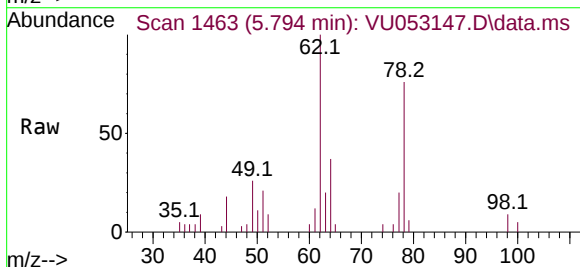
Acq: 27 Feb 2023 10:38

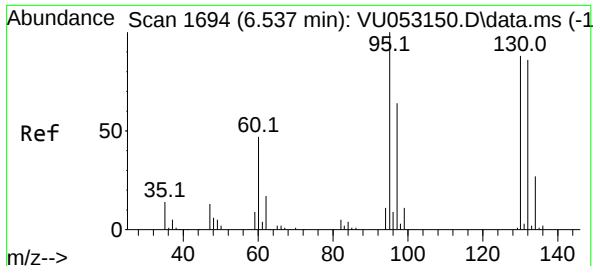
Tgt Ion: 62 Resp: 8046

Ion Ratio Lower Upper

62 100

98 8.6 7.0 10.4





#37

Trichloroethene

Concen: 0.879 ug/l

RT: 6.537 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

Instrument :

MSVOA\_U

ClientSampleId :

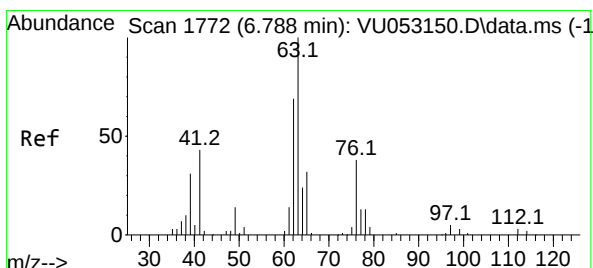
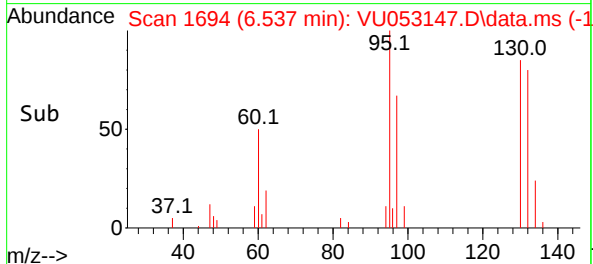
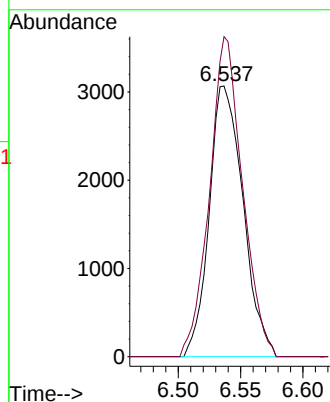
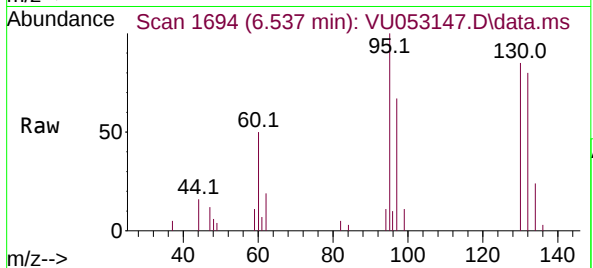
VSTDIC001

Tgt Ion:130 Resp: 5809

Ion Ratio Lower Upper

130 100

95 118.2 91.1 136.7



#38

1,2-Dichloropropane

Concen: 0.891 ug/l

RT: 6.791 min Scan# 1773

Delta R.T. 0.003 min

Lab File: VU053147.D

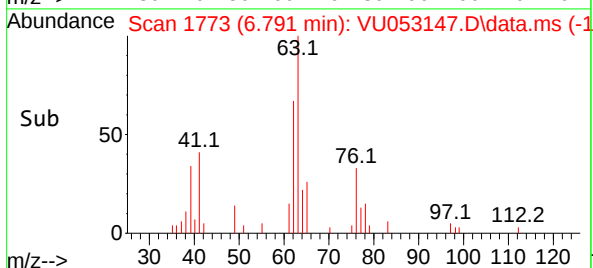
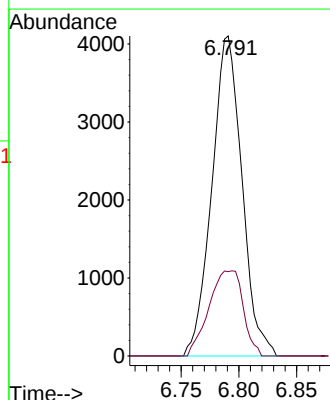
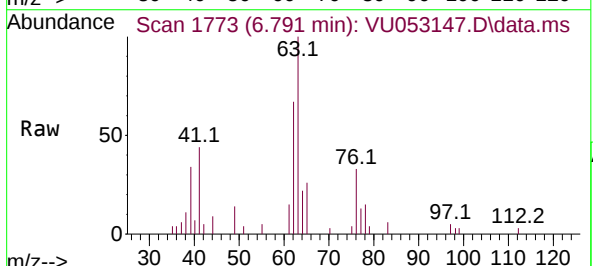
Acq: 27 Feb 2023 10:38

Tgt Ion: 63 Resp: 7425

Ion Ratio Lower Upper

63 100

65 26.4 25.5 38.3





#39

Methacrylonitrile

Concen: 0.896 ug/l

RT: 4.977 min Scan# 1170

Delta R.T. 0.003 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

Tgt Ion: 41 Resp: 2451

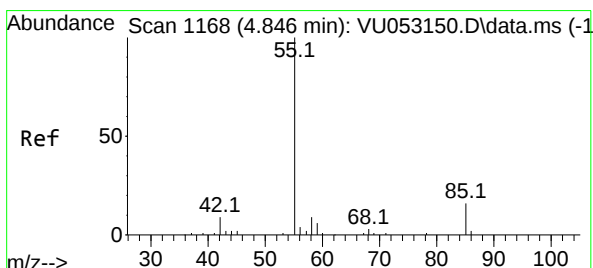
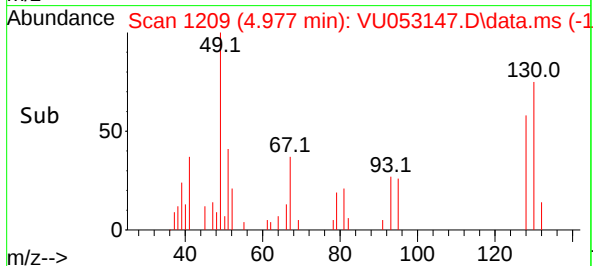
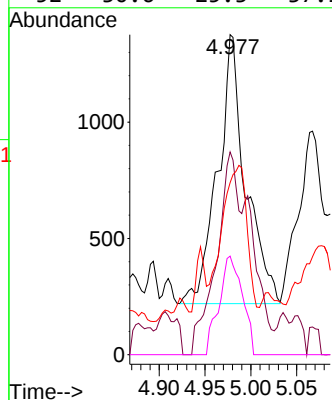
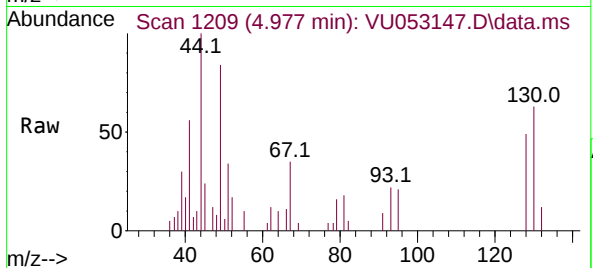
Ion Ratio Lower Upper

41 100

67 62.2 67.1 100.7#

39 46.1 42.6 64.0

52 30.6 25.3 37.9



#40

Methyl acrylate

Concen: 0.949 ug/l

RT: 4.852 min Scan# 1170

Delta R.T. 0.006 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

Tgt Ion: 55 Resp: 4003

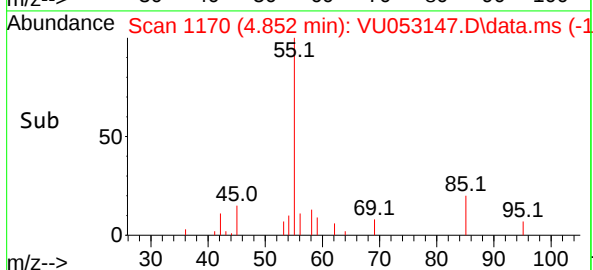
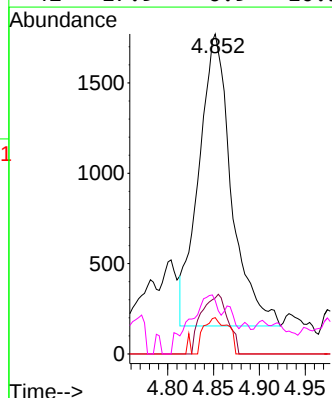
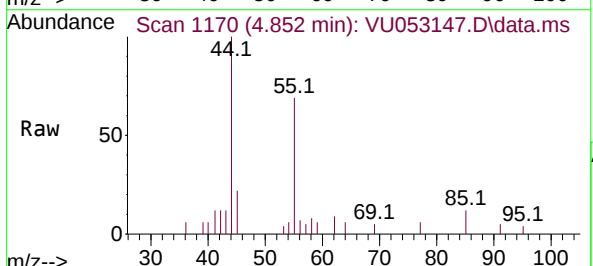
Ion Ratio Lower Upper

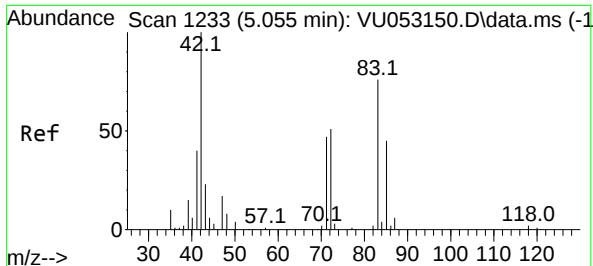
55 100

85 16.6 13.5 20.3

58 9.3 7.3 10.9

42 17.9 6.9 10.3#





#41

Tetrahydrofuran

Concen: 1.750 ug/l

RT: 5.064 min Scan# 1

Delta R.T. 0.010 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

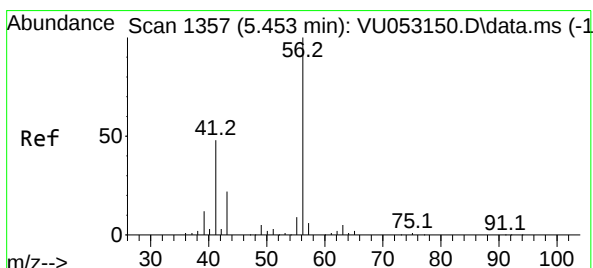
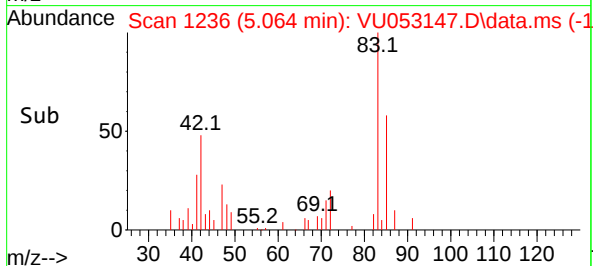
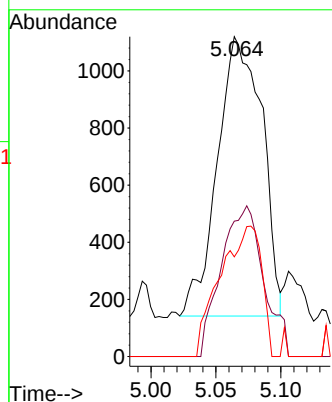
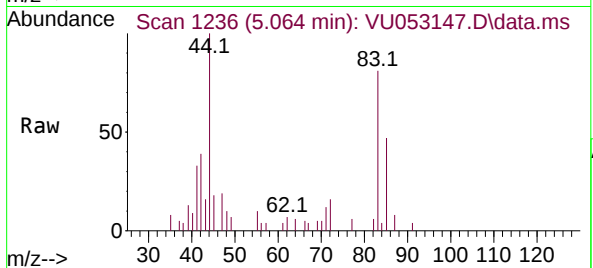
Tgt Ion: 42 Resp: 2341

Ion Ratio Lower Upper

42 100

72 51.1 41.6 62.4

71 43.3 37.9 56.9



#42

1-Chlorobutane

Concen: 0.904 ug/l

RT: 5.453 min Scan# 1357

Delta R.T. -0.000 min

Lab File: VU053147.D

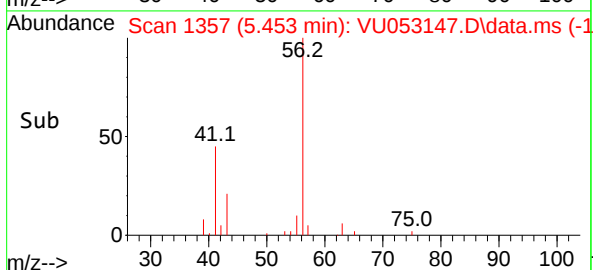
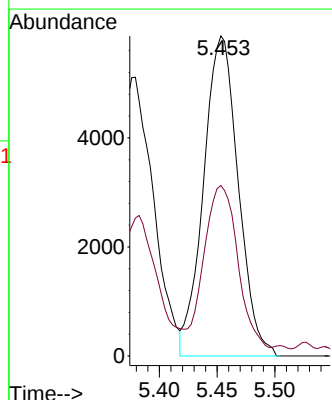
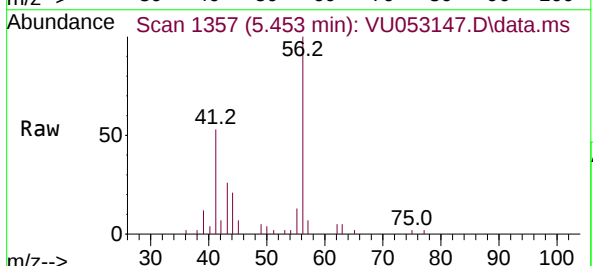
Acq: 27 Feb 2023 10:38

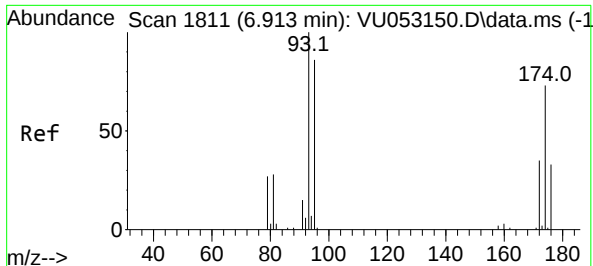
Tgt Ion: 56 Resp: 12280

Ion Ratio Lower Upper

56 100

41 48.7 23.7 71.1





#43

Dibromomethane

Concen: 0.892 ug/l

RT: 6.916 min Scan# 1811

Delta R.T. 0.003 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

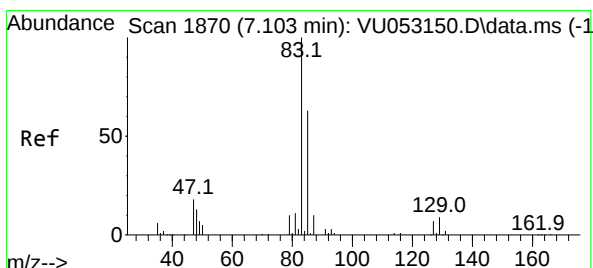
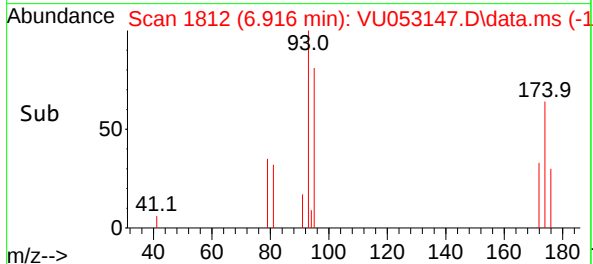
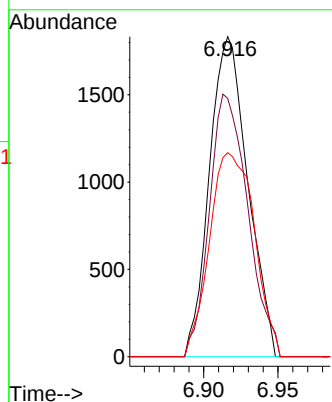
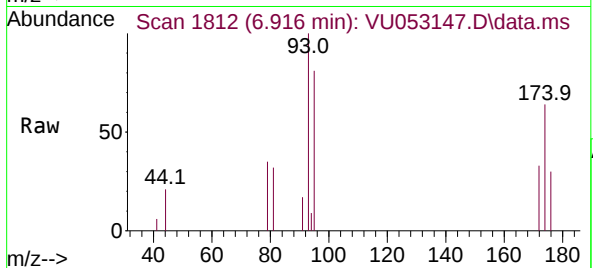
Tgt Ion: 93 Resp: 3292

Ion Ratio Lower Upper

93 100

95 82.3 66.5 99.7

174 74.5 58.2 87.4



#44

Bromodichloromethane

Concen: 0.872 ug/l

RT: 7.103 min Scan# 1870

Delta R.T. -0.000 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

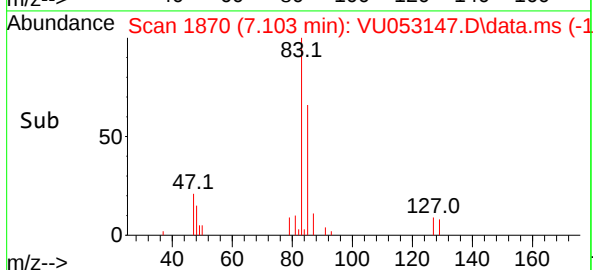
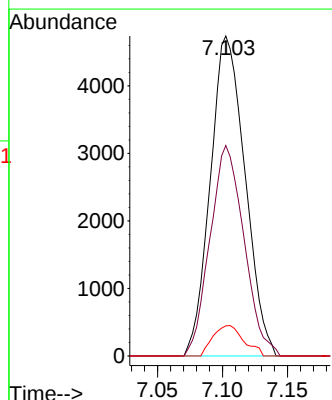
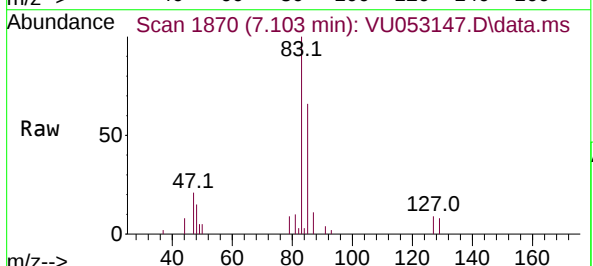
Tgt Ion: 83 Resp: 8808

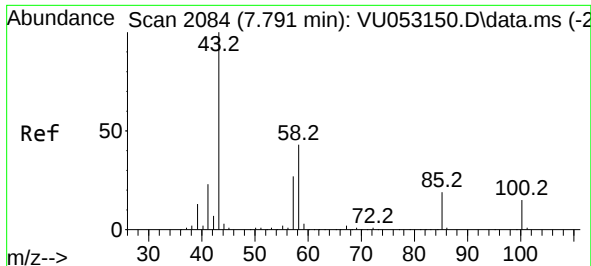
Ion Ratio Lower Upper

83 100

85 65.8 50.6 75.8

127 9.4 5.8 8.8#





#45

4-Methyl-2-Pentanone

Concen: 4.497 ug/l

RT: 7.797 min Scan# 2084

Delta R.T. 0.006 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC001

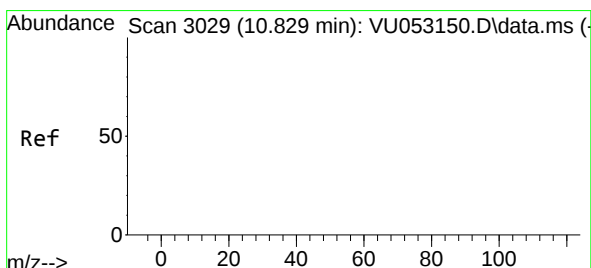
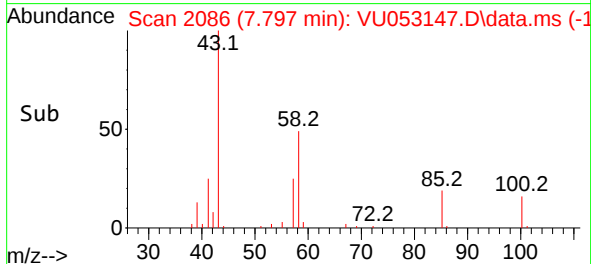
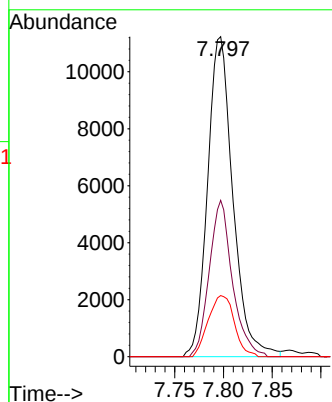
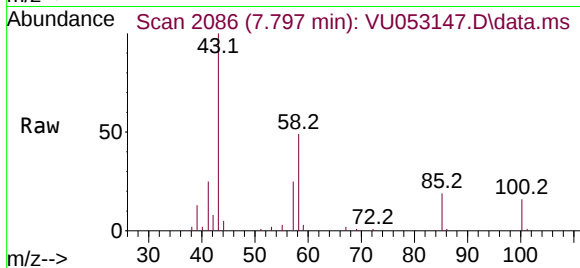
Tgt Ion: 43 Resp: 20271

Ion Ratio Lower Upper

43 100

58 44.7 22.0 66.0

85 19.7 15.7 23.5



#46

t-1,4-Dichloro-2-butene

Concen: 3.552 ug/l

RT: 10.819 min Scan# 3026

Delta R.T. -0.010 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

Tgt Ion: 75 Resp: 8067

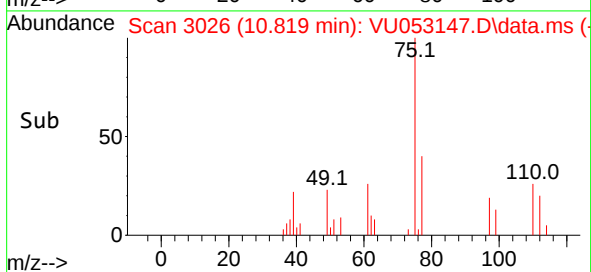
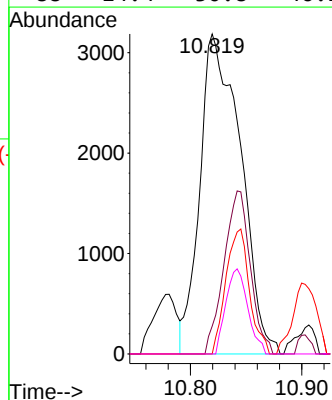
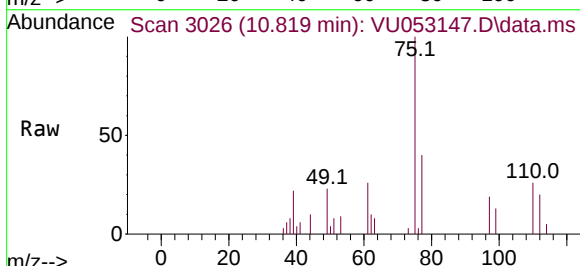
Ion Ratio Lower Upper

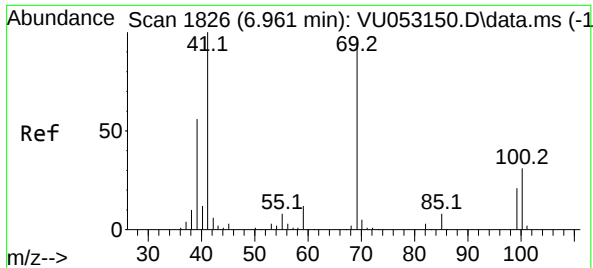
75 100

53 33.1 57.0 85.4#

89 22.7 43.1 64.7#

88 14.4 30.8 46.2#





#47

Methyl methacrylate

Concen: 1.722 ug/l

RT: 6.964 min Scan# 1826

Delta R.T. 0.003 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC001

Tgt Ion: 69 Resp: 6544

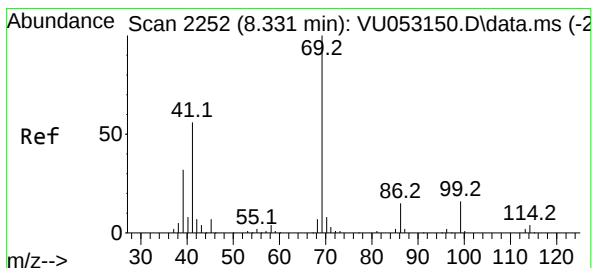
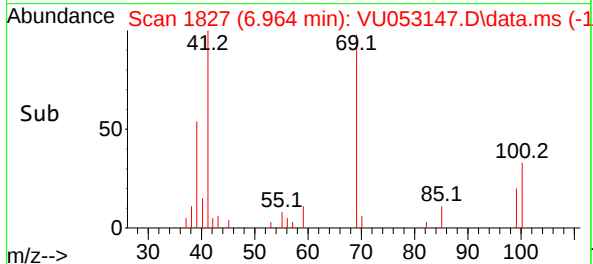
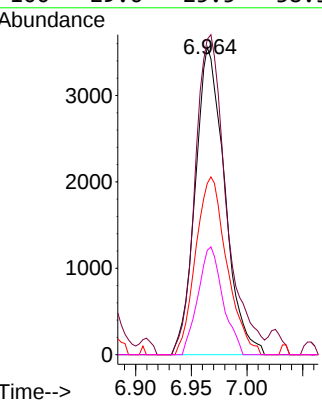
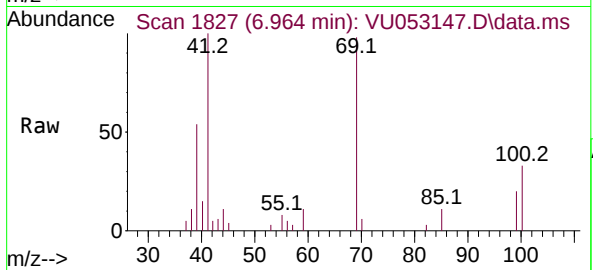
Ion Ratio Lower Upper

69 100

41 109.5 0.0 201.0

39 61.0 47.1 70.7

100 29.6 25.5 38.3



#48

Ethyl methacrylate

Concen: 0.870 ug/l

RT: 8.334 min Scan# 2253

Delta R.T. 0.003 min

Lab File: VU053147.D

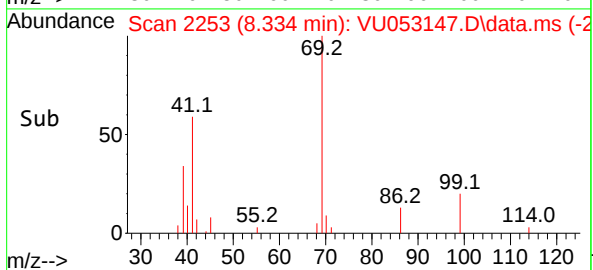
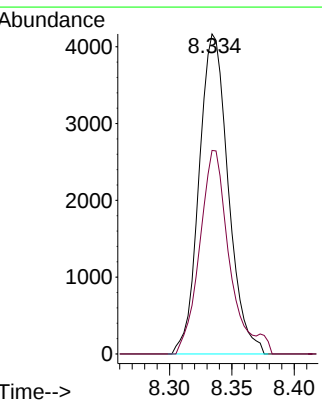
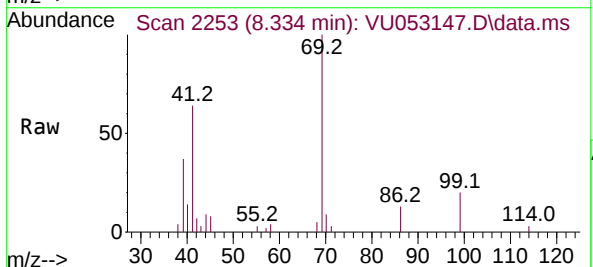
Acq: 27 Feb 2023 10:38

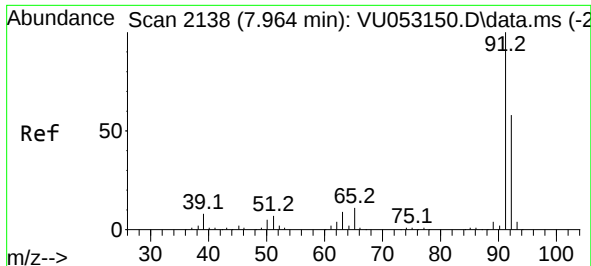
Tgt Ion: 69 Resp: 6787

Ion Ratio Lower Upper

69 100

41 65.0 28.2 84.6





#49

Toluene

Concen: 0.904 ug/l

RT: 7.967 min Scan# 2138

Delta R.T. 0.003 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

Instrument :

MSVOA\_U

ClientSampleId :

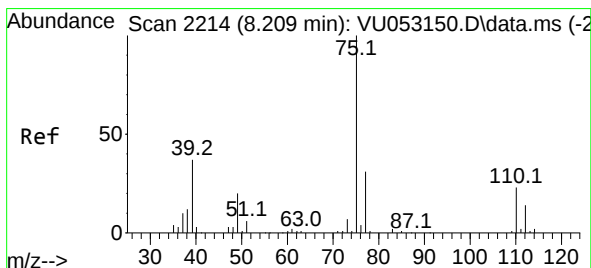
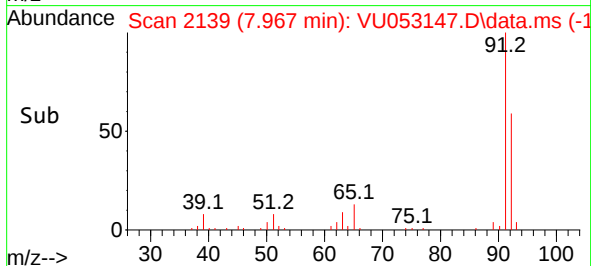
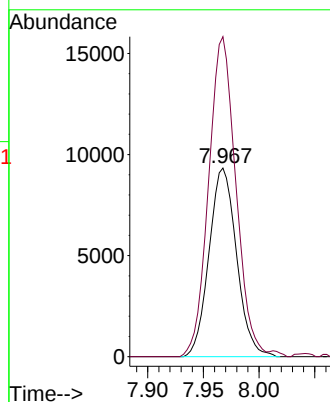
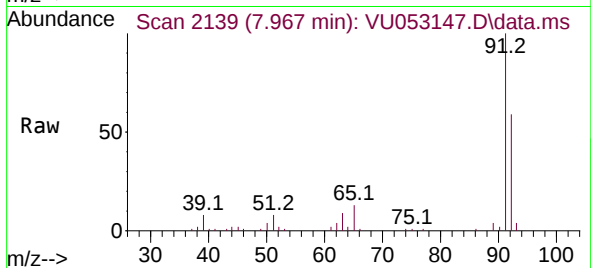
VSTDIC001

Tgt Ion: 92 Resp: 16034

Ion Ratio Lower Upper

92 100

91 167.9 138.2 207.2



#50

t-1,3-Dichloropropene

Concen: 0.860 ug/l

RT: 8.212 min Scan# 2215

Delta R.T. 0.003 min

Lab File: VU053147.D

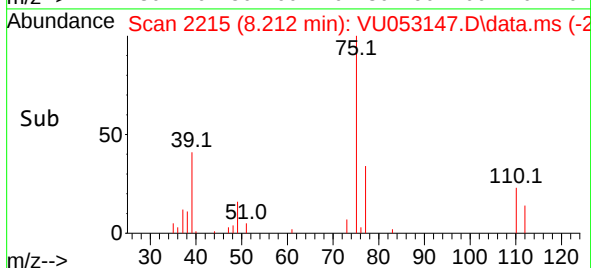
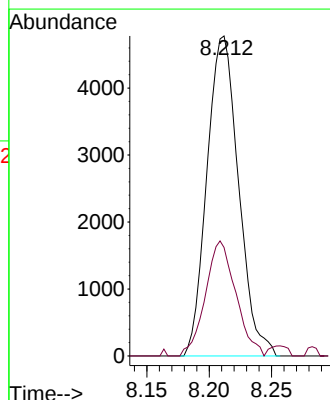
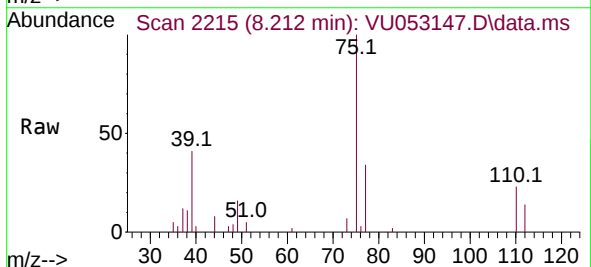
Acq: 27 Feb 2023 10:38

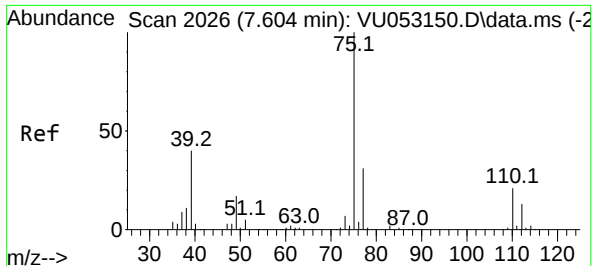
Tgt Ion: 75 Resp: 8434

Ion Ratio Lower Upper

75 100

77 33.9 25.1 37.7

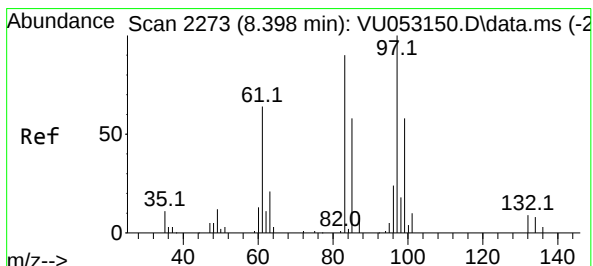
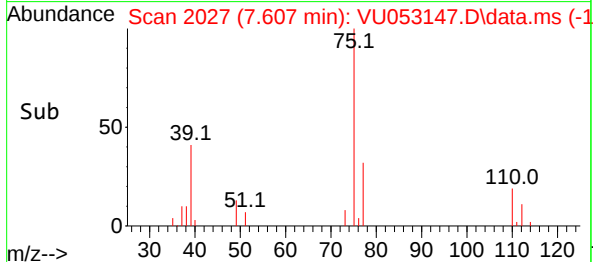
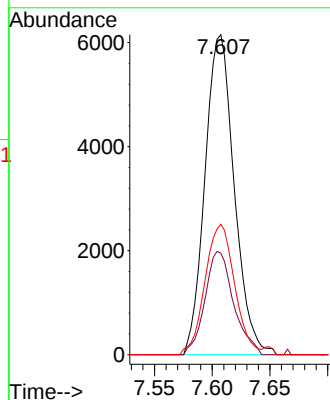
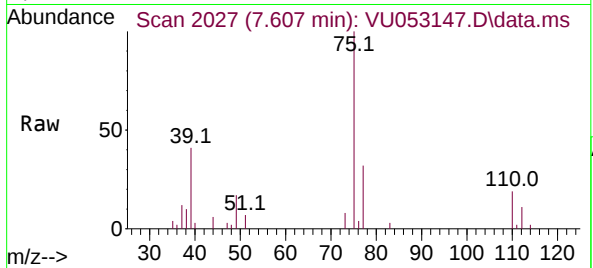




#51  
 cis-1,3-Dichloropropene  
 Concen: 0.912 ug/l  
 RT: 7.607 min Scan# 2026  
 Delta R.T. 0.003 min  
 Lab File: VU053147.D  
 Acq: 27 Feb 2023 10:38

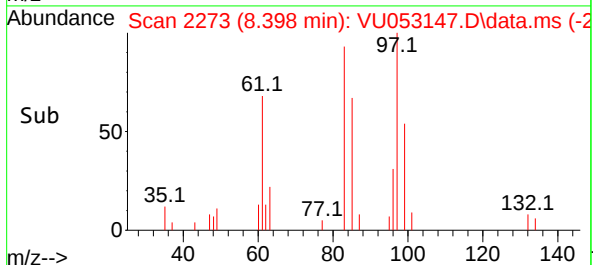
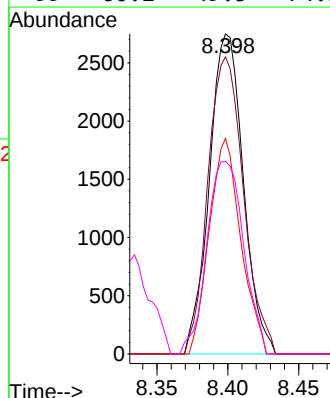
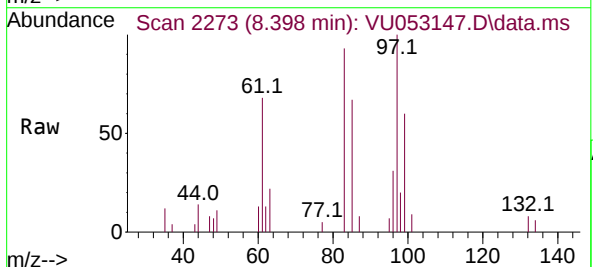
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC001

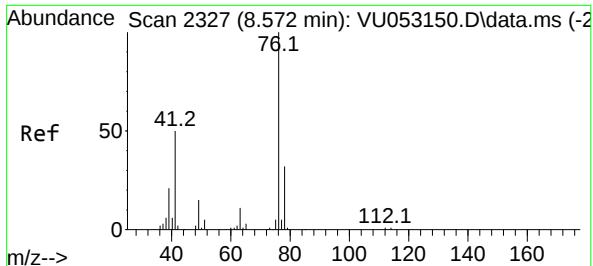
Tgt Ion: 75 Resp: 10841  
 Ion Ratio Lower Upper  
 75 100  
 77 31.7 24.9 37.3  
 39 40.7 32.2 48.2



#52  
 1,1,2-Trichloroethane  
 Concen: 0.846 ug/l  
 RT: 8.398 min Scan# 2273  
 Delta R.T. -0.000 min  
 Lab File: VU053147.D  
 Acq: 27 Feb 2023 10:38

Tgt Ion: 97 Resp: 4588  
 Ion Ratio Lower Upper  
 97 100  
 83 92.9 71.9 107.9  
 85 67.4 46.5 69.7  
 99 60.2 49.5 74.3





#53

1,3-Dichloropropane

Concen: 0.915 ug/l

RT: 8.572 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

Instrument :

MSVOA\_U

ClientSampleId :

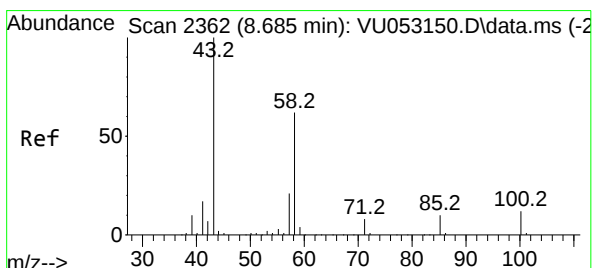
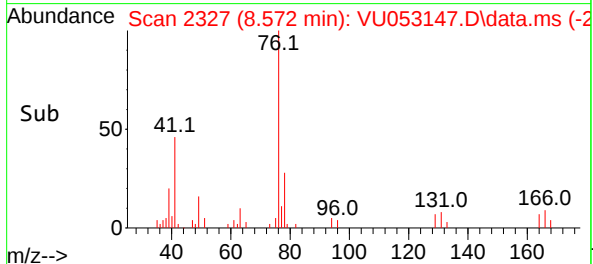
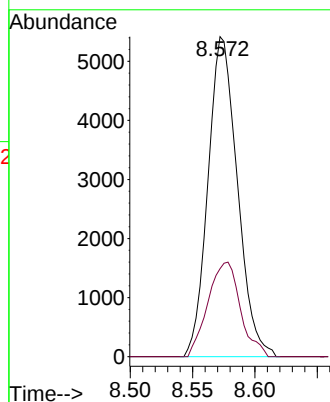
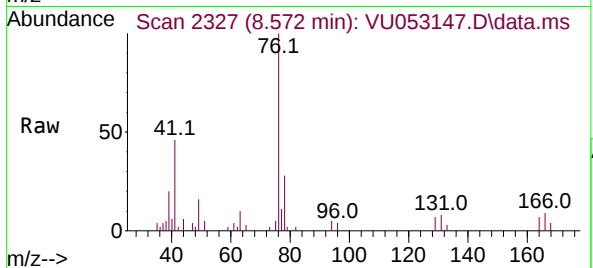
VSTDIC001

Tgt Ion: 76 Resp: 8891

Ion Ratio Lower Upper

76 100

78 32.5 25.9 38.9



#54

2-Hexanone

Concen: 4.668 ug/l

RT: 8.688 min Scan# 2363

Delta R.T. 0.003 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

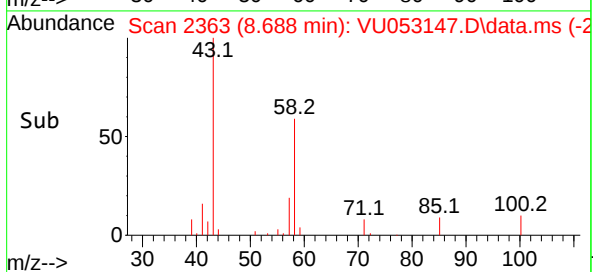
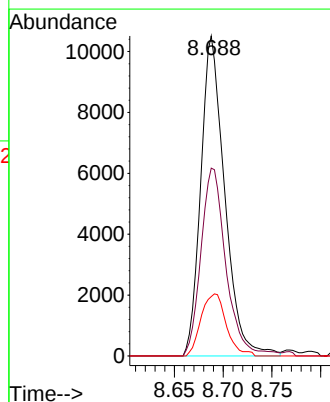
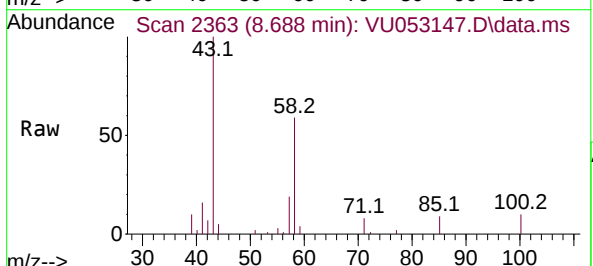
Tgt Ion: 43 Resp: 17927

Ion Ratio Lower Upper

43 100

58 61.4 42.0 82.0

57 20.4 1.2 41.2

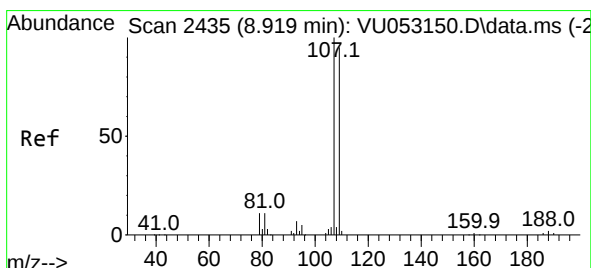
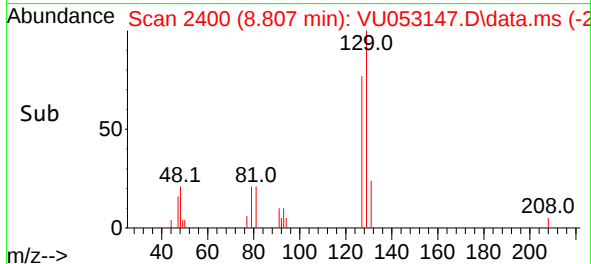
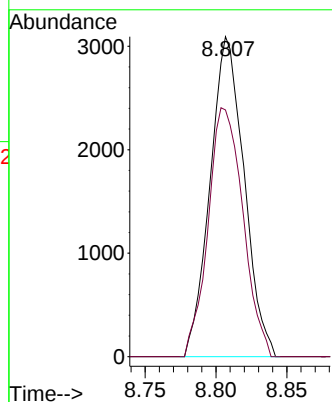
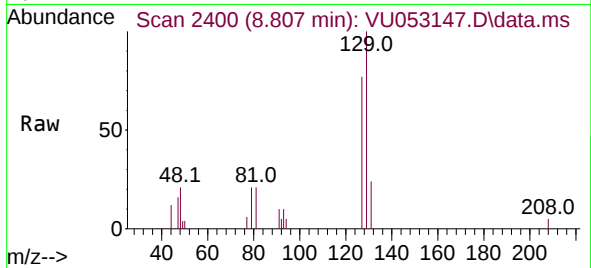




#55  
Dibromochloromethane  
Concen: 0.834 ug/l  
RT: 8.807 min Scan# 2400  
Delta R.T. -0.000 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

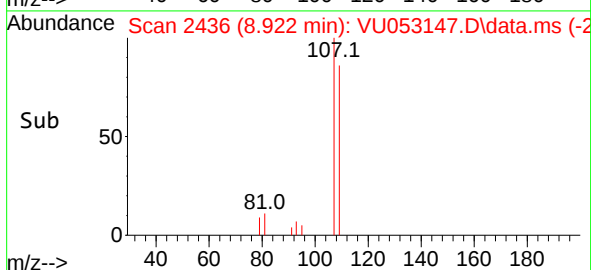
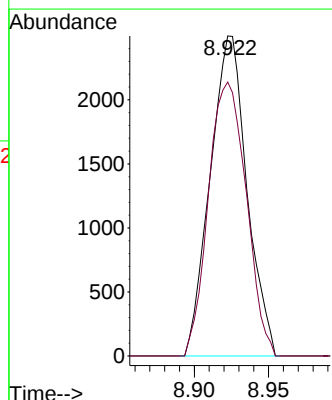
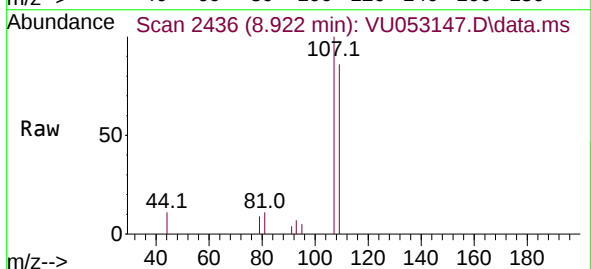
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

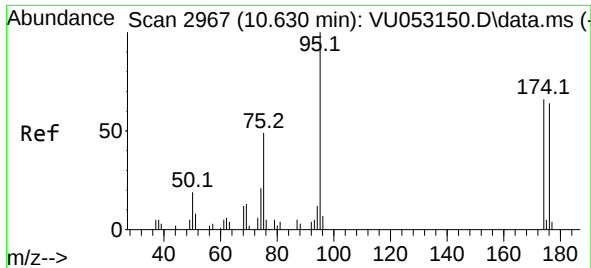
Tgt Ion:129 Resp: 5161  
Ion Ratio Lower Upper  
129 100  
127 79.7 61.1 91.7



#56  
1,2-Dibromoethane  
Concen: 0.892 ug/l  
RT: 8.922 min Scan# 2436  
Delta R.T. 0.003 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

Tgt Ion:107 Resp: 4299  
Ion Ratio Lower Upper  
107 100  
109 88.1 0.0 186.2

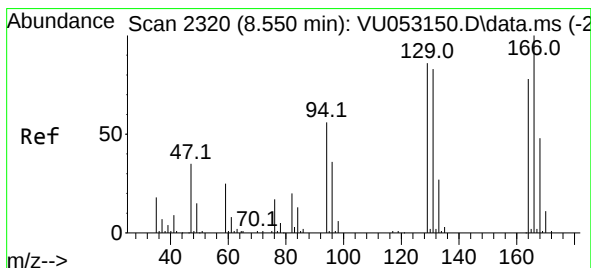
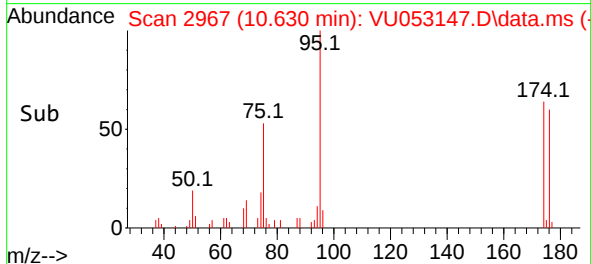
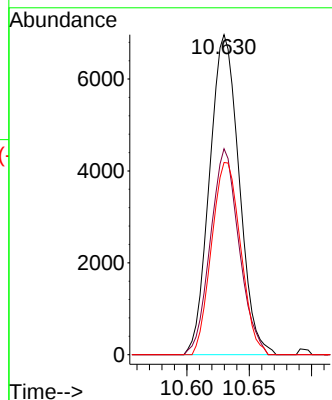
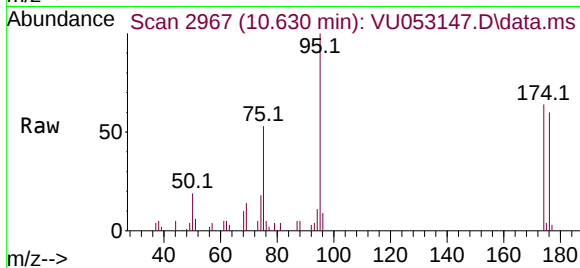




#57  
4-Bromofluorobenzene  
Concen: 0.947 ug/l  
RT: 10.630 min Scan# 2967  
Delta R.T. -0.000 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

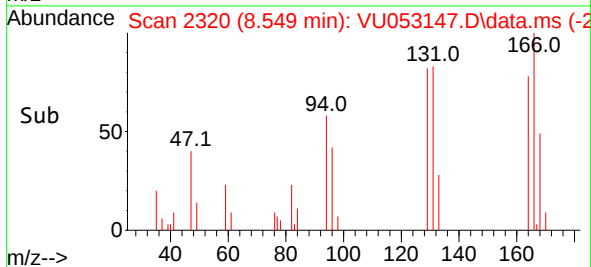
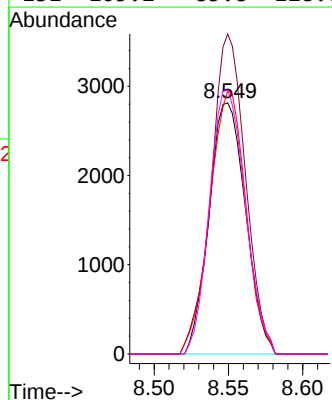
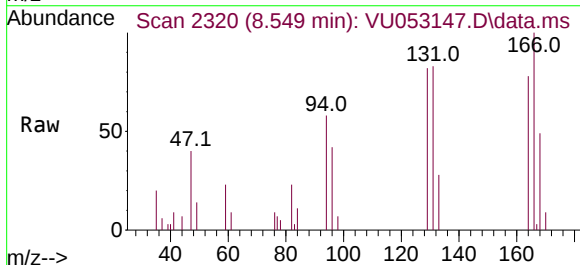
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

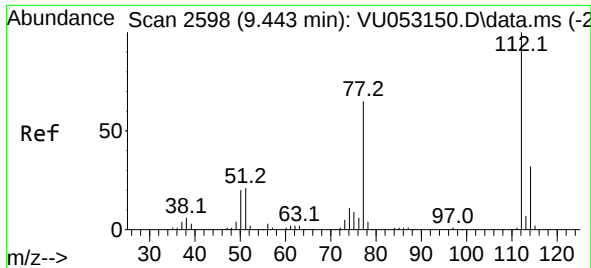
Tgt Ion: 95 Resp: 11489  
Ion Ratio Lower Upper  
95 100  
174 62.4 50.7 76.1  
176 59.0 47.8 71.6



#58  
Tetrachloroethene  
Concen: 0.911 ug/l  
RT: 8.549 min Scan# 2320  
Delta R.T. -0.000 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

Tgt Ion: 164 Resp: 4801  
Ion Ratio Lower Upper  
164 100  
166 127.4 103.2 154.8  
129 104.9 88.8 133.2  
131 105.2 85.8 128.6





#59

Chlorobenzene

Concen: 0.881 ug/l

RT: 9.447 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

Instrument :

MSVOA\_U

ClientSampleId :

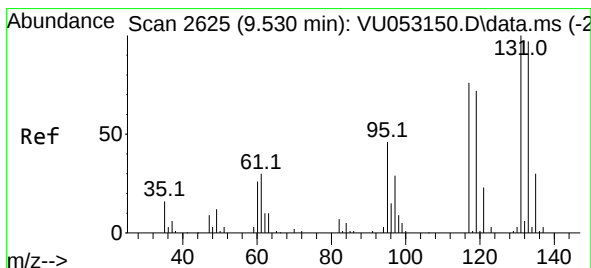
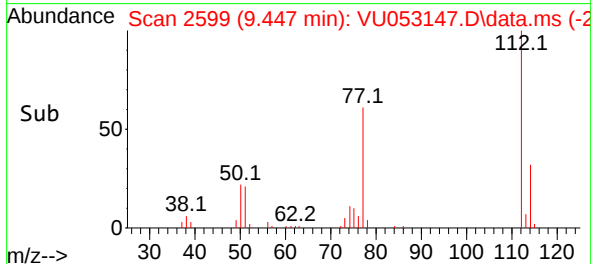
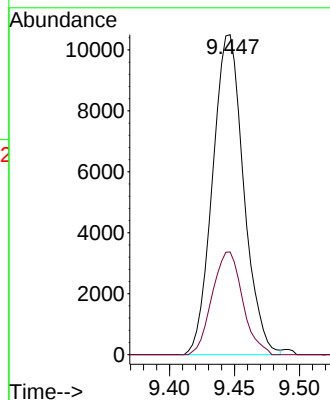
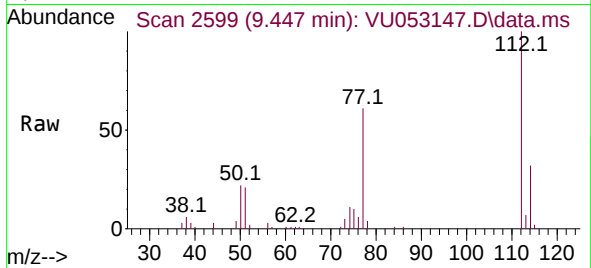
VSTDIC001

Tgt Ion:112 Resp: 17468

Ion Ratio Lower Upper

112 100

114 32.1 25.8 38.6



#60

1,1,1,2-Tetrachloroethane

Concen: 0.893 ug/l

RT: 9.527 min Scan# 2624

Delta R.T. -0.003 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

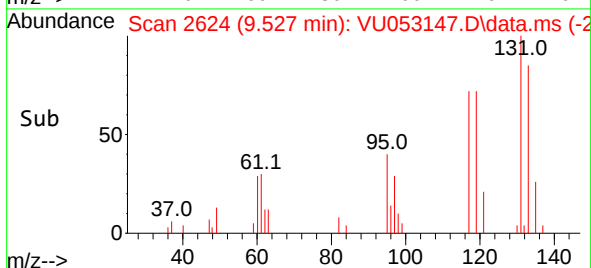
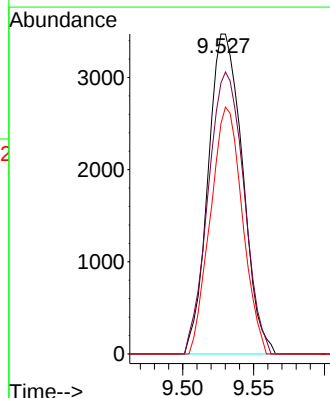
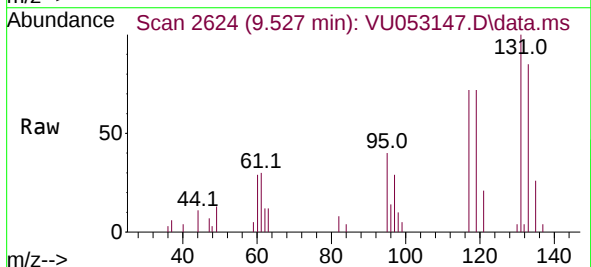
Tgt Ion:131 Resp: 5853

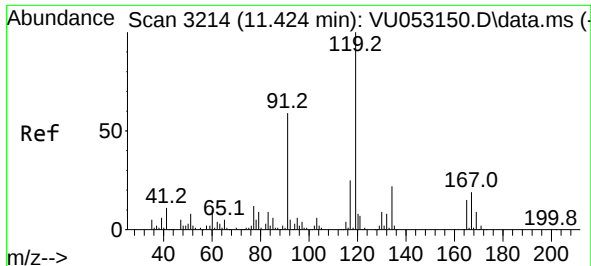
Ion Ratio Lower Upper

131 100

133 91.4 76.7 115.1

119 71.8 57.6 86.4

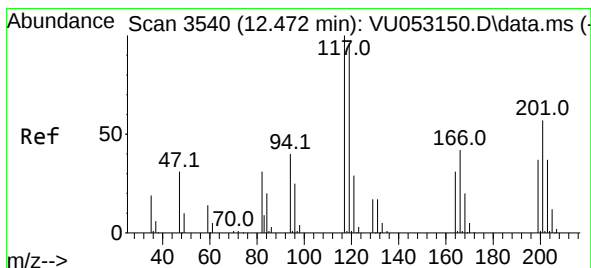
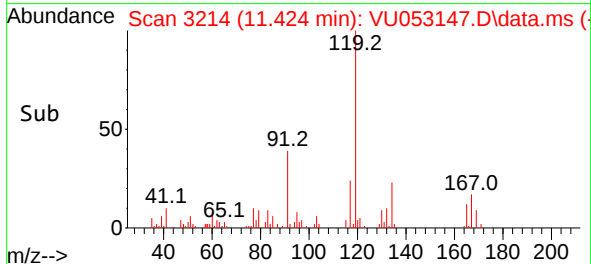
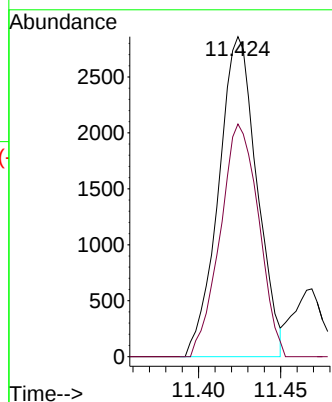
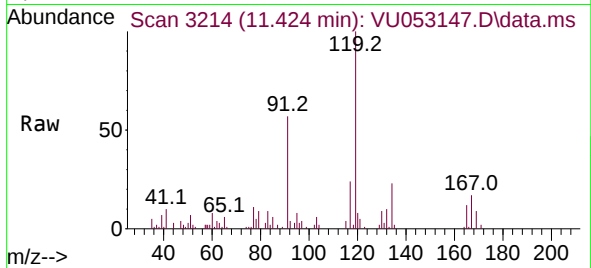




#61  
 Pentachloroethane  
 Concen: 0.817 ug/l  
 RT: 11.424 min Scan# 3214  
 Delta R.T. -0.000 min  
 Lab File: VU053147.D  
 Acq: 27 Feb 2023 10:38

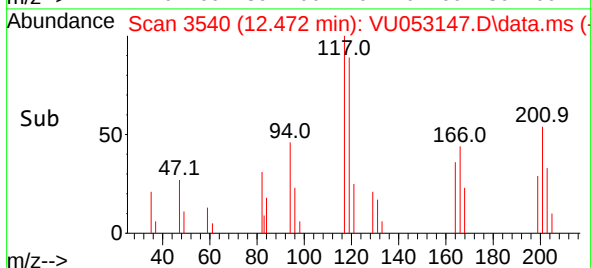
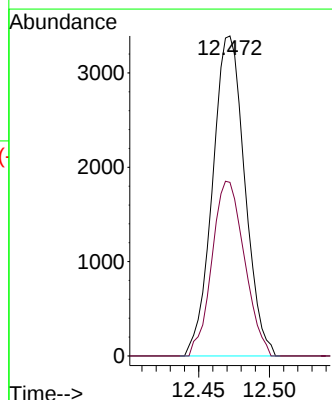
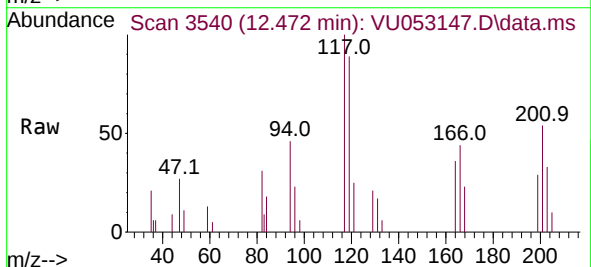
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC001

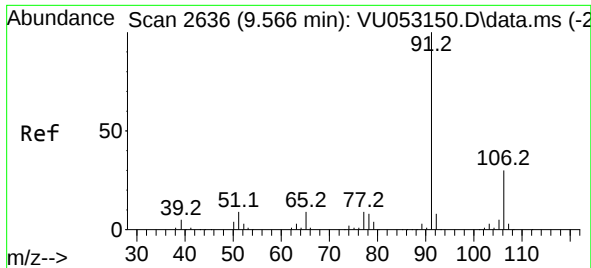
Tgt Ion:117 Resp: 4652  
 Ion Ratio Lower Upper  
 117 100  
 167 72.7 57.5 86.3



#62  
 Hexachloroethane  
 Concen: 0.856 ug/l  
 RT: 12.472 min Scan# 3540  
 Delta R.T. -0.000 min  
 Lab File: VU053147.D  
 Acq: 27 Feb 2023 10:38

Tgt Ion:117 Resp: 5371  
 Ion Ratio Lower Upper  
 117 100  
 201 54.9 46.7 70.1

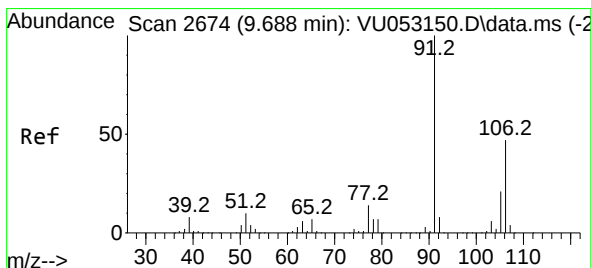
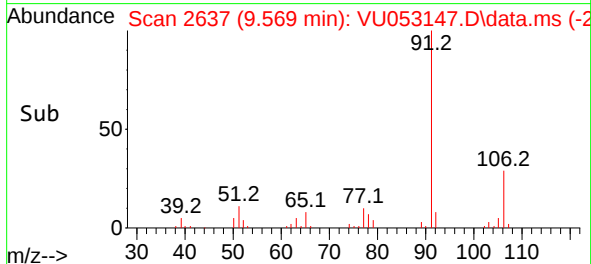
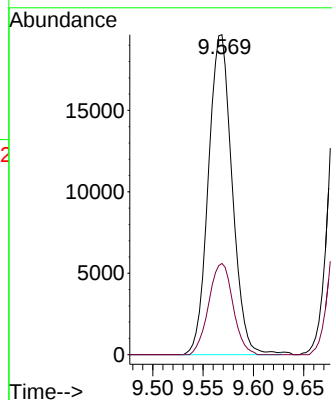
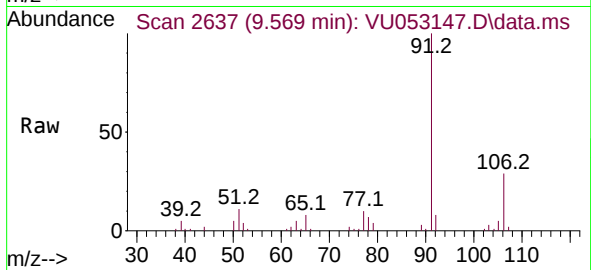




#63  
Ethyl Benzene  
Concen: 0.881 ug/l  
RT: 9.569 min Scan# 2636  
Delta R.T. 0.003 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

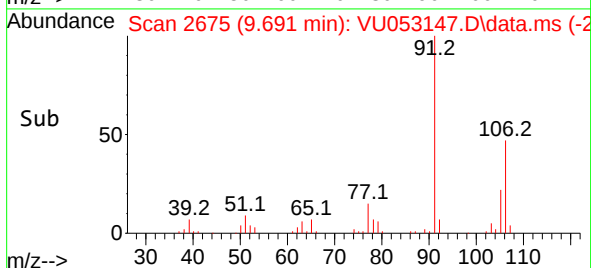
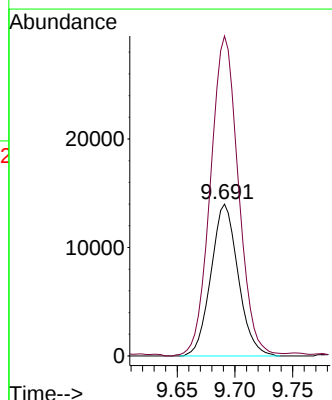
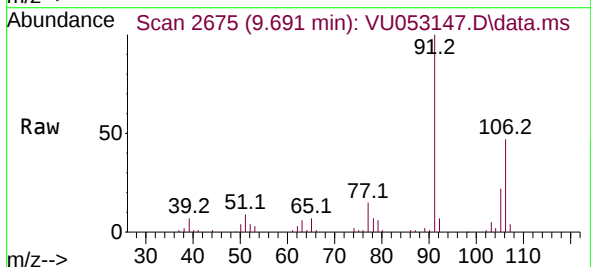
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

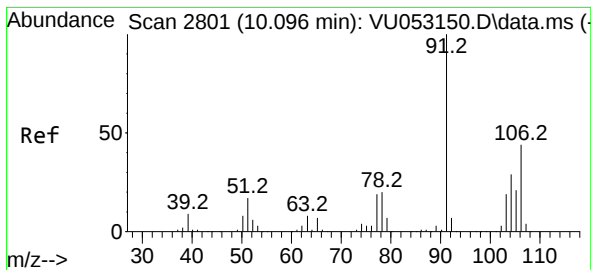
Tgt Ion: 91 Resp: 32250  
Ion Ratio Lower Upper  
91 100  
106 28.5 24.0 36.0



#64  
m/p-Xylenes  
Concen: 1.726 ug/l  
RT: 9.691 min Scan# 2675  
Delta R.T. 0.003 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

Tgt Ion:106 Resp: 22916  
Ion Ratio Lower Upper  
106 100  
91 217.1 170.7 256.1





#65

o-Xylene

Concen: 0.888 ug/l

RT: 10.096 min Scan# 2801

Delta R.T. -0.000 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

Instrument :

MSVOA\_U

ClientSampleId :

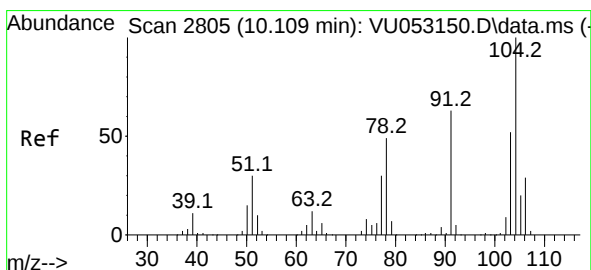
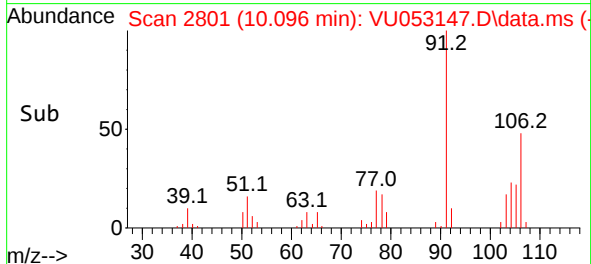
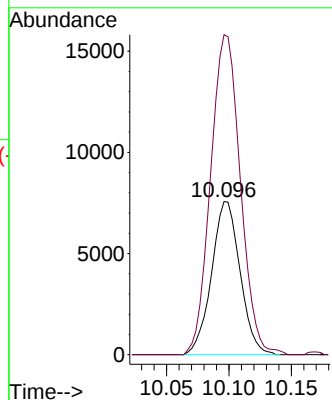
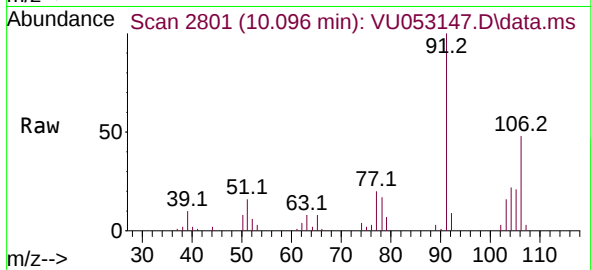
VSTDIC001

Tgt Ion:106 Resp: 12039

Ion Ratio Lower Upper

106 100

91 218.6 112.8 338.4



#66

Styrene

Concen: 0.849 ug/l

RT: 10.112 min Scan# 2806

Delta R.T. 0.003 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

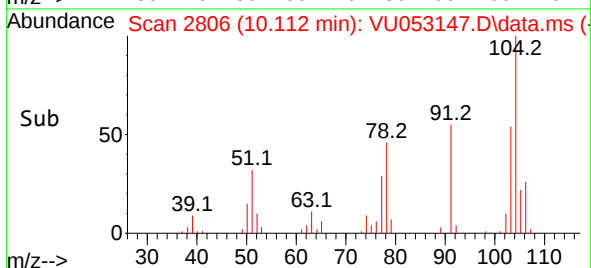
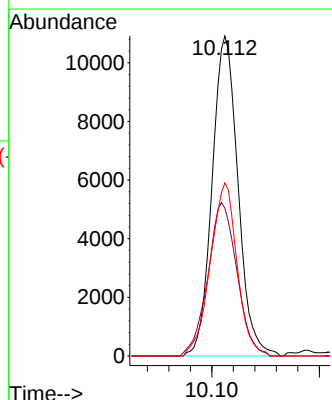
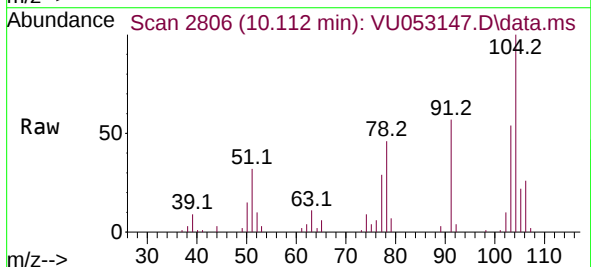
Tgt Ion:104 Resp: 18247

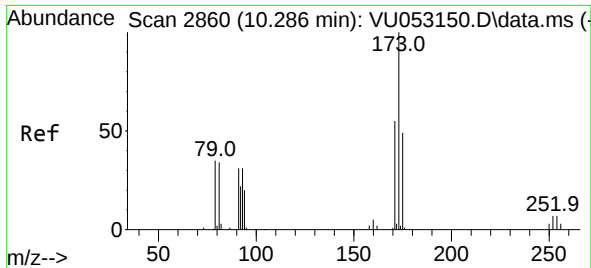
Ion Ratio Lower Upper

104 100

78 53.8 43.3 64.9

103 55.9 45.2 67.8

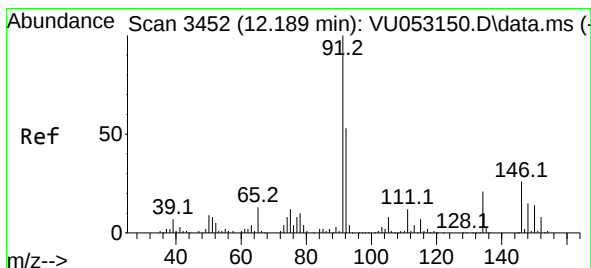
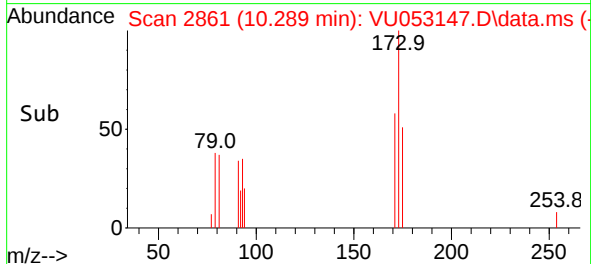
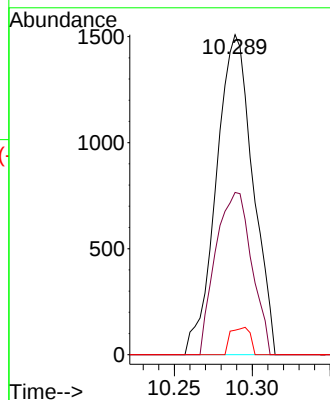
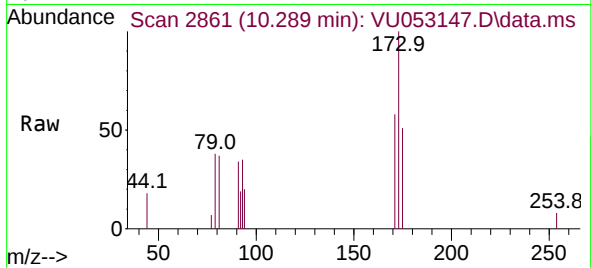




#67  
Bromoform  
Concen: 0.818 ug/l  
RT: 10.289 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

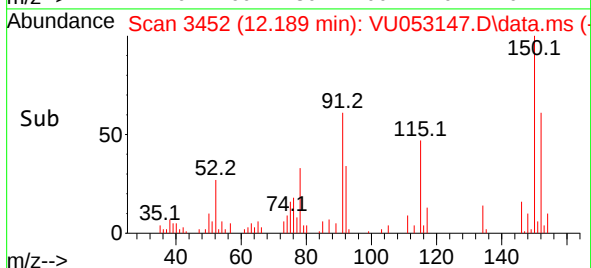
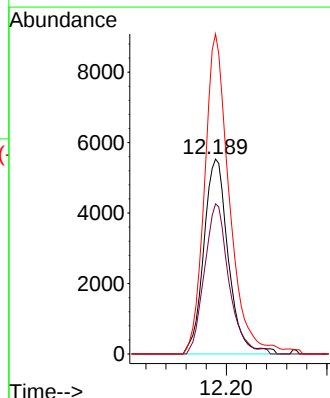
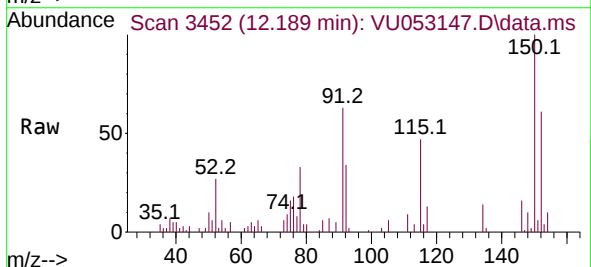
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

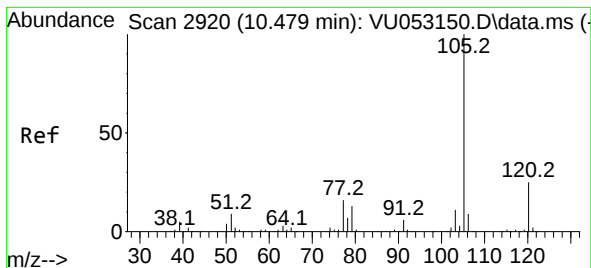
Tgt Ion:173 Resp: 2460  
Ion Ratio Lower Upper  
173 100  
175 49.9 38.7 58.1  
254 4.6 5.8 8.8#



#68  
1,2-Dichlorobenzene-d4  
Concen: 0.974 ug/l  
RT: 12.189 min Scan# 3452  
Delta R.T. -0.000 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

Tgt Ion:152 Resp: 9366  
Ion Ratio Lower Upper  
152 100  
115 76.1 0.0 267.8  
150 165.5 0.0 623.0





#69

Isopropylbenzene

Concen: 0.867 ug/l

RT: 10.482 min Scan# 2920

Delta R.T. 0.003 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

Instrument :

MSVOA\_U

ClientSampleId :

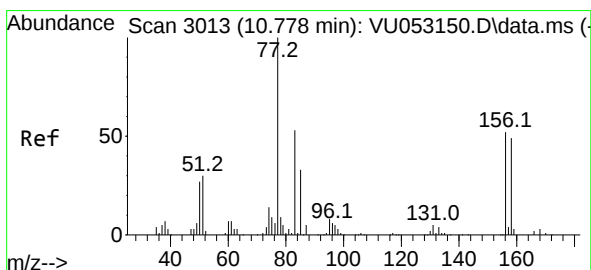
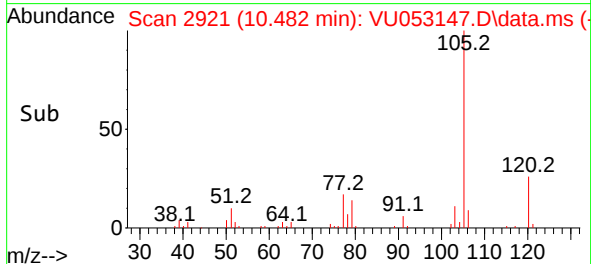
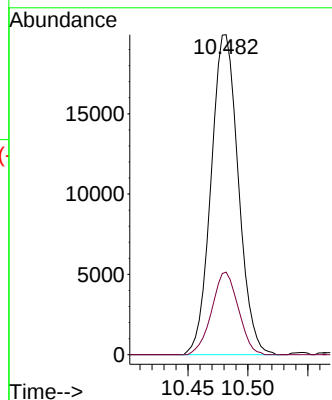
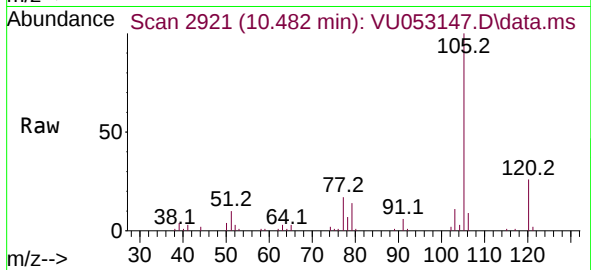
VSTDIC001

Tgt Ion:105 Resp: 31497

Ion Ratio Lower Upper

105 100

120 25.1 12.6 37.6



#70

1,1,2,2-Tetrachloroethane

Concen: 0.895 ug/l

RT: 10.778 min Scan# 3013

Delta R.T. -0.000 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

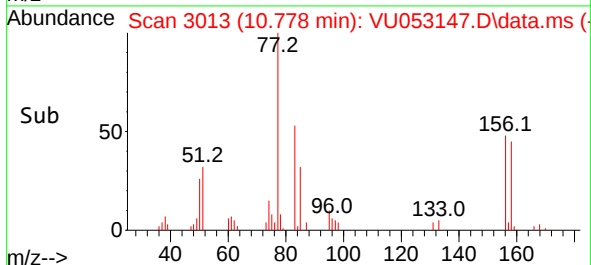
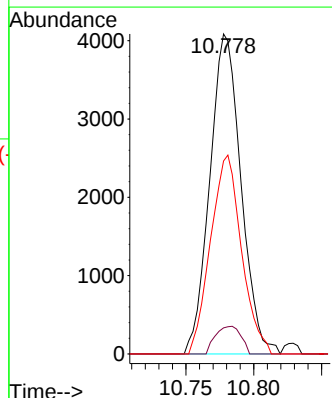
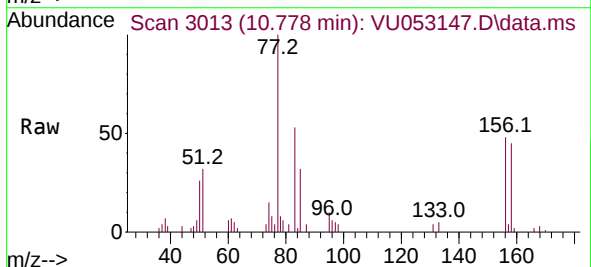
Tgt Ion: 83 Resp: 6538

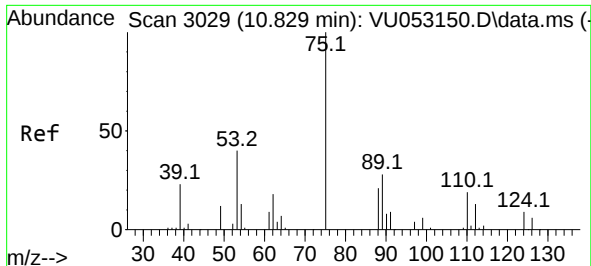
Ion Ratio Lower Upper

83 100

131 7.0 6.6 9.8

85 61.7 49.3 73.9

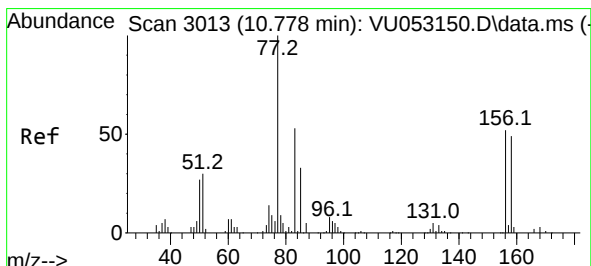
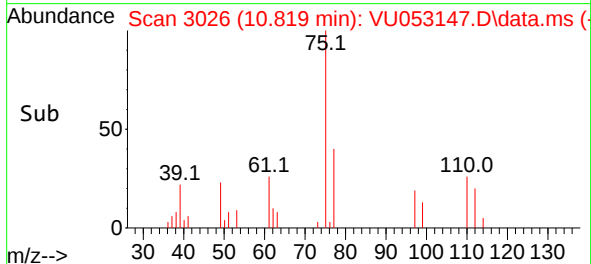
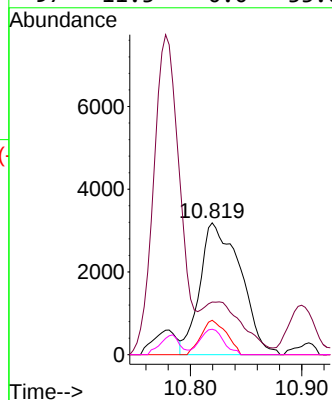
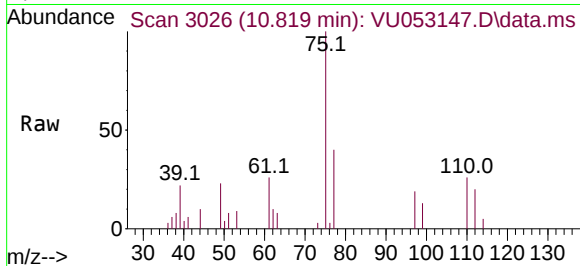




#71  
1,2,3-Trichloropropane  
Concen: 1.322 ug/l  
RT: 10.819 min Scan# 3026  
Delta R.T. -0.010 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

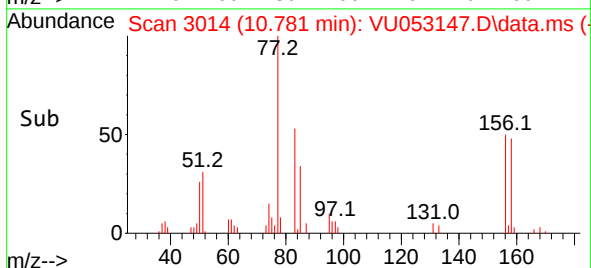
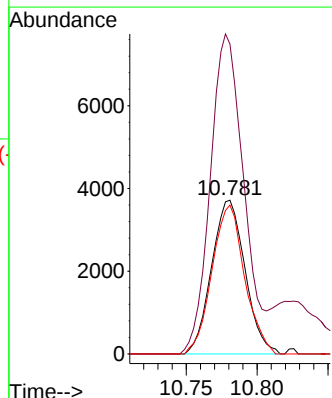
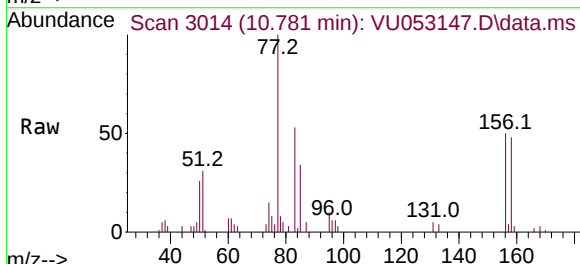
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

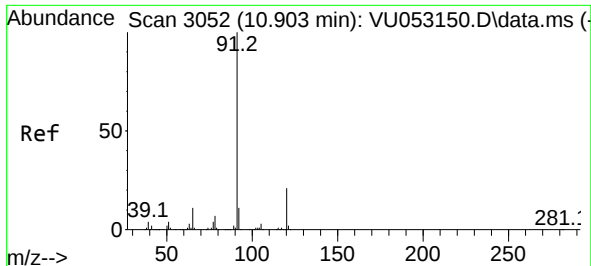
|             |       |       |
|-------------|-------|-------|
| Tgt Ion: 75 | Resp: | 8067  |
| Ion Ratio   | Lower | Upper |
| 75          | 100   |       |
| 77          | 0.0   | 98.2  |
| 110         | 16.3  | 57.0  |
| 97          | 11.3  | 33.6  |



#72  
Bromobenzene  
Concen: 0.867 ug/l  
RT: 10.781 min Scan# 3014  
Delta R.T. 0.003 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

|              |       |       |
|--------------|-------|-------|
| Tgt Ion: 156 | Resp: | 6110  |
| Ion Ratio    | Lower | Upper |
| 156          | 100   |       |
| 77           | 207.7 | 397.0 |
| 158          | 94.4  | 189.2 |

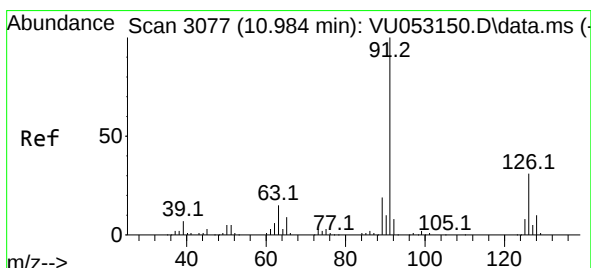
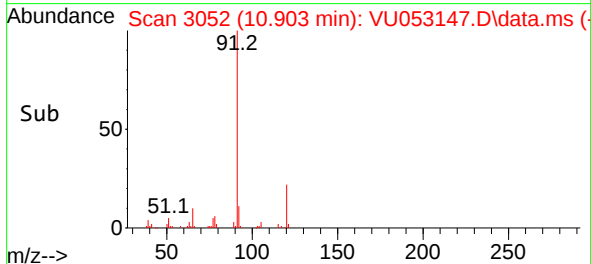
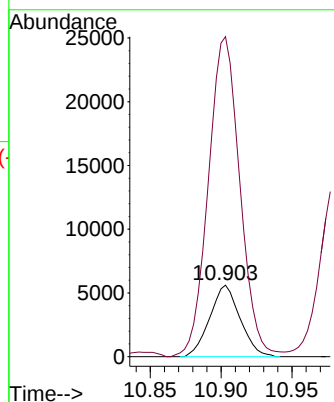
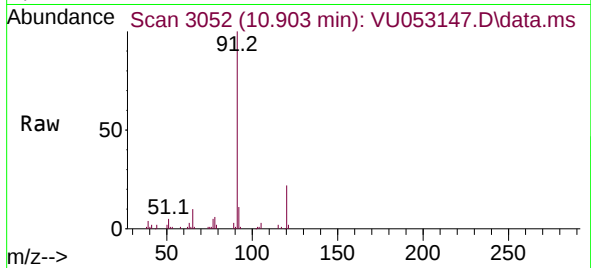




#73  
n-propylbenzene  
Concen: 0.867 ug/l  
RT: 10.903 min Scan# 3052  
Delta R.T. -0.000 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

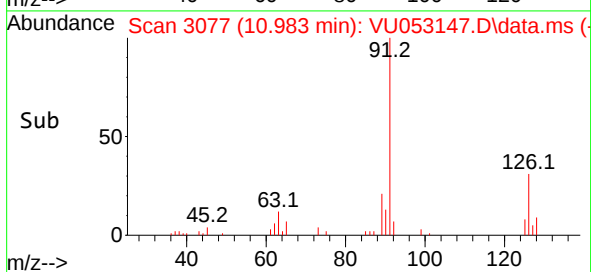
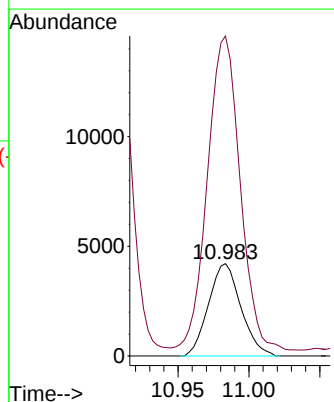
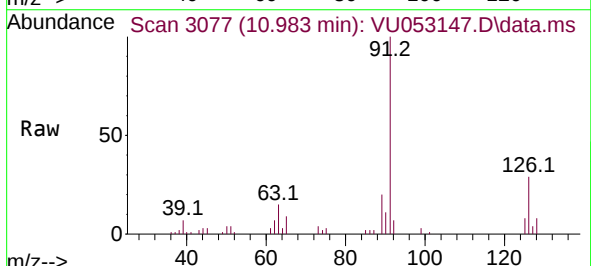
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MSVOA\_U  
ClientSampleId :  
VSTDIC001

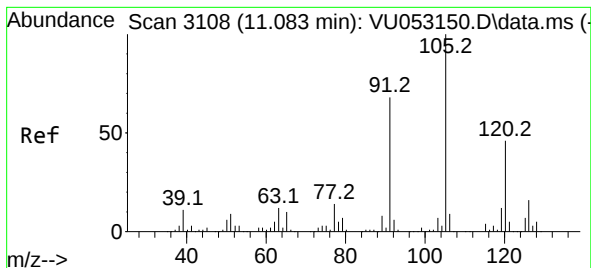
Tgt Ion:120 Resp: 8357  
Ion Ratio Lower Upper  
120 100  
91 465.8 372.5 558.7



#74  
2-Chlorotoluene  
Concen: 0.838 ug/l  
RT: 10.983 min Scan# 3077  
Delta R.T. -0.000 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

Tgt Ion:126 Resp: 6684  
Ion Ratio Lower Upper  
126 100  
91 348.3 0.0 658.6





#75

1,3,5-Trimethylbenzene

Concen: 0.873 ug/l

RT: 11.083 min Scan# 3108

Delta R.T. -0.000 min

Lab File: VU053147.D

Acq: 27 Feb 2023 10:38

Instrument :

MSVOA\_U

ClientSampleId :

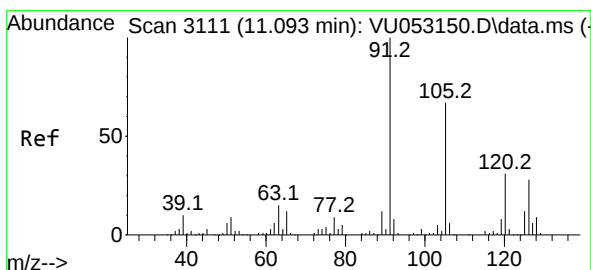
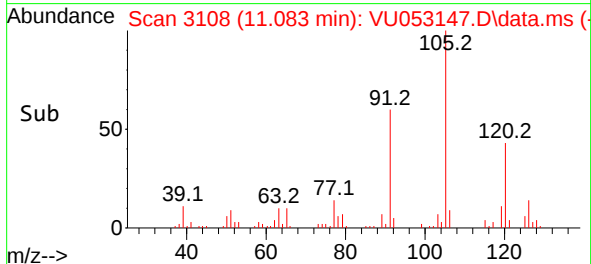
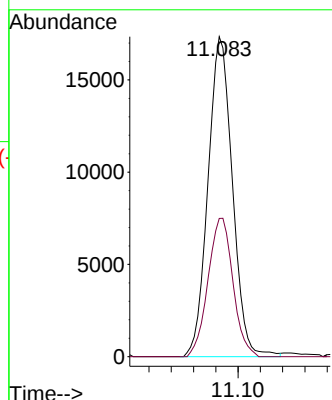
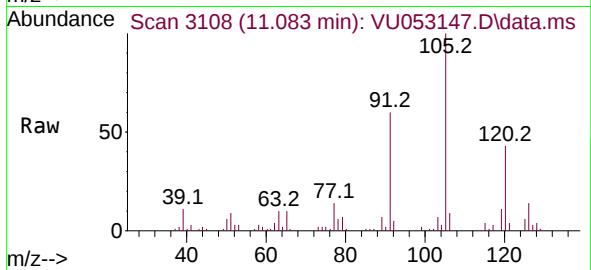
VSTDIC001

Tgt Ion:105 Resp: 26390

Ion Ratio Lower Upper

105 100

120 44.1 36.5 54.7



#76

4-Chlorotoluene

Concen: 0.855 ug/l

RT: 11.093 min Scan# 3111

Delta R.T. -0.000 min

Lab File: VU053147.D

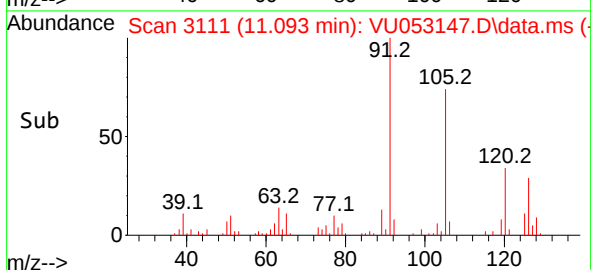
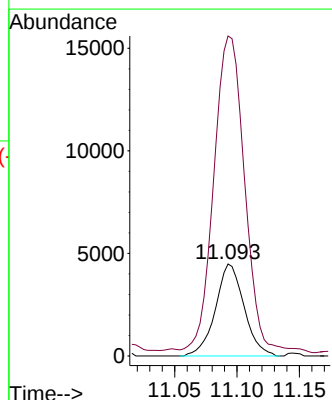
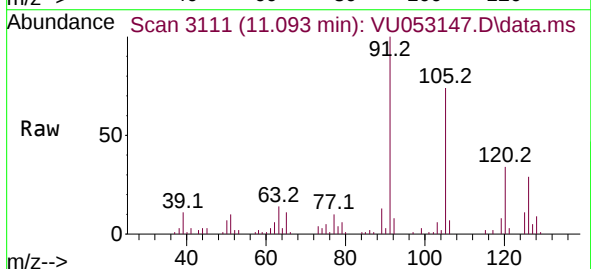
Acq: 27 Feb 2023 10:38

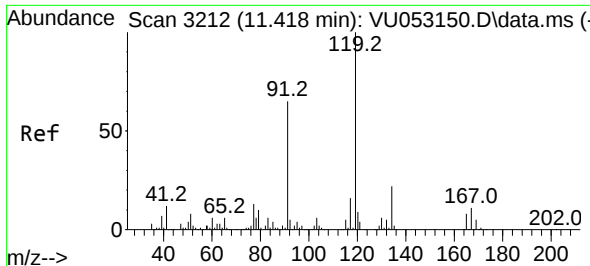
Tgt Ion:126 Resp: 7170

Ion Ratio Lower Upper

126 100

91 374.7 0.0 760.6

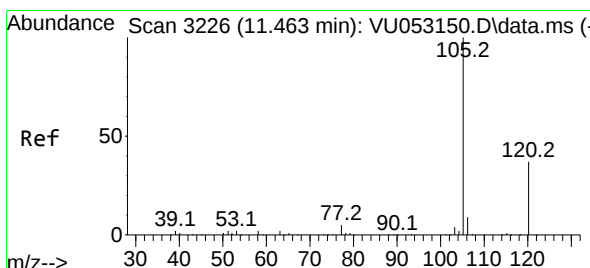
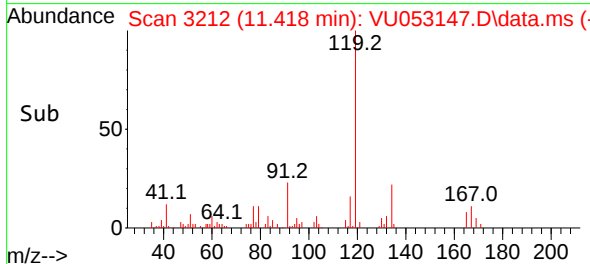
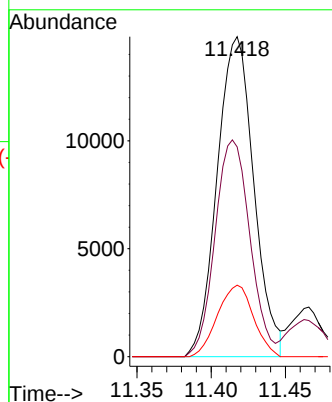
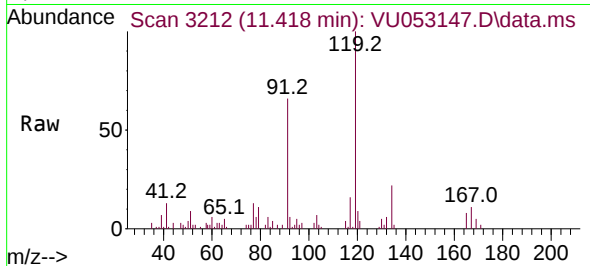




#77  
tert-Butylbenzene  
Concen: 0.861 ug/l  
RT: 11.418 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

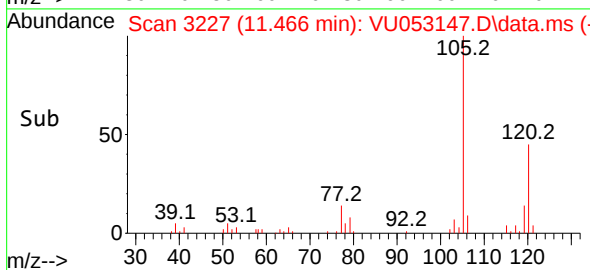
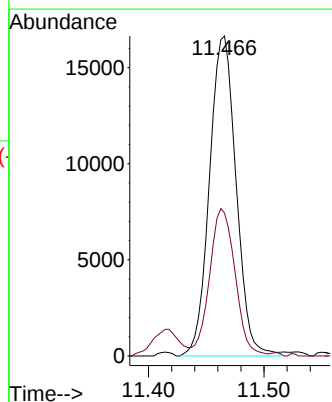
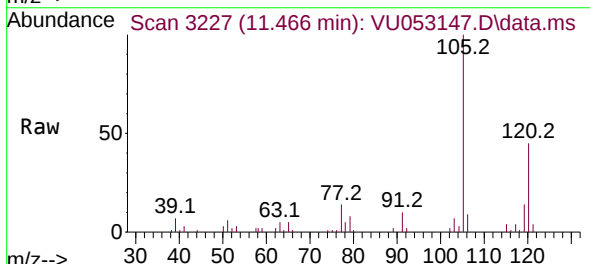
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

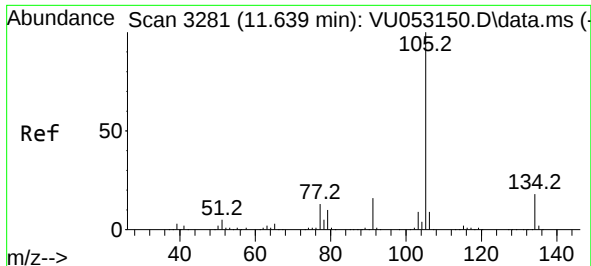
Tgt Ion:119 Resp: 25490  
Ion Ratio Lower Upper  
119 100  
91 64.5 31.9 95.7  
134 21.9 17.4 26.0



#78  
1,2,4-Trimethylbenzene  
Concen: 0.867 ug/l  
RT: 11.466 min Scan# 3227  
Delta R.T. 0.003 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

Tgt Ion:105 Resp: 26701  
Ion Ratio Lower Upper  
105 100  
120 43.0 21.1 63.1

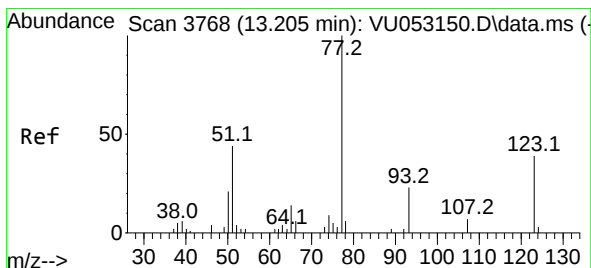
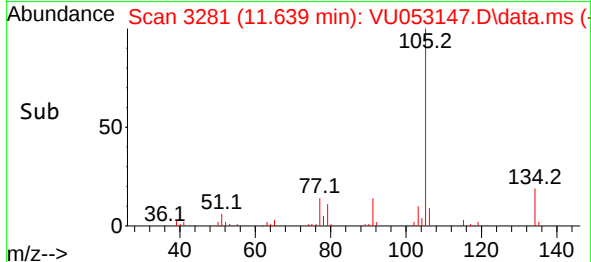
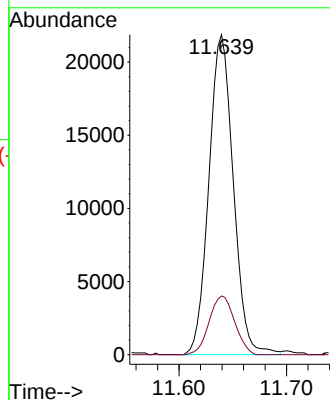
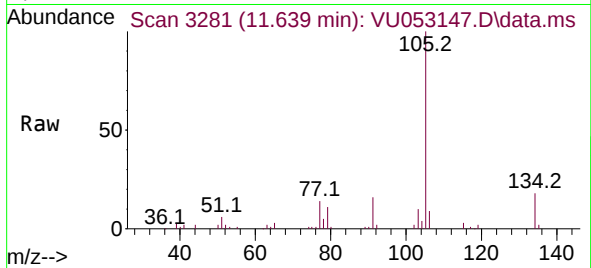




#79  
 sec-Butylbenzene  
 Concen: 0.840 ug/l  
 RT: 11.639 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: VU053147.D  
 Acq: 27 Feb 2023 10:38

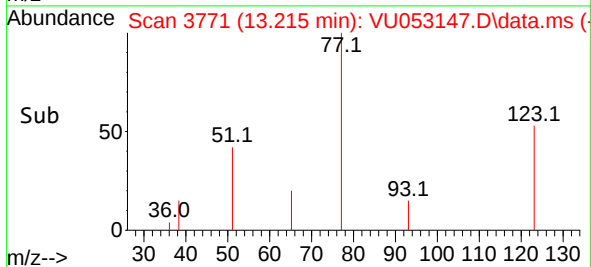
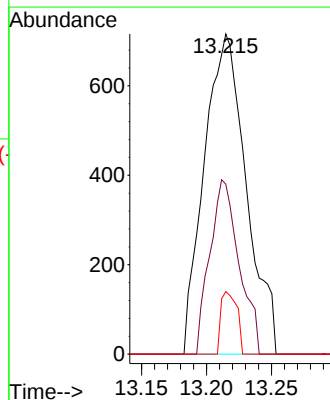
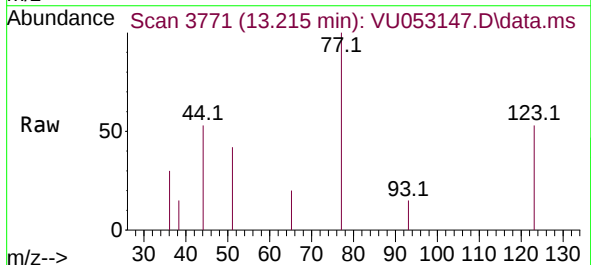
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC001

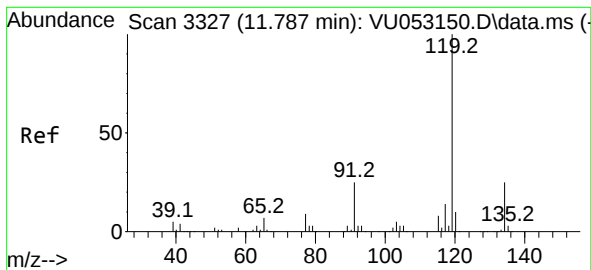
Tgt Ion:105 Resp: 34505  
 Ion Ratio Lower Upper  
 105 100  
 134 19.1 14.4 21.6



#80  
 Nitrobenzene  
 Concen: 4.210 ug/l  
 RT: 13.215 min Scan# 3771  
 Delta R.T. 0.010 min  
 Lab File: VU053147.D  
 Acq: 27 Feb 2023 10:38

Tgt Ion: 77 Resp: 1608  
 Ion Ratio Lower Upper  
 77 100  
 123 38.1 17.0 60.2  
 65 7.3 12.9 16.5#

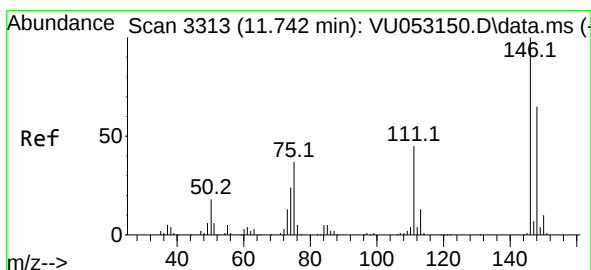
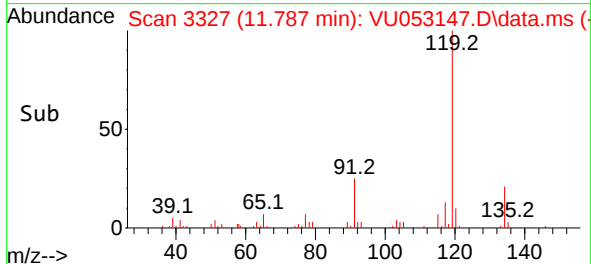
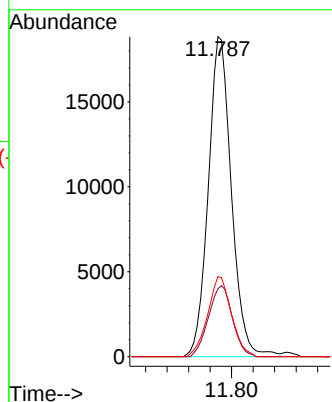
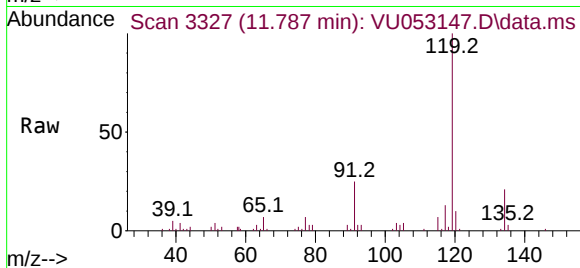




#81  
 p-Isopropyltoluene  
 Concen: 0.862 ug/l  
 RT: 11.787 min Scan# 3327  
 Delta R.T. -0.000 min  
 Lab File: VU053147.D  
 Acq: 27 Feb 2023 10:38

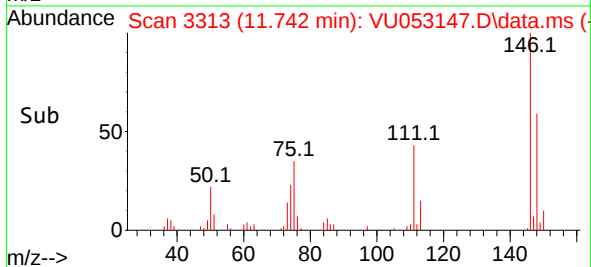
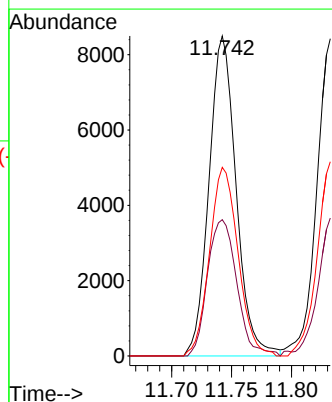
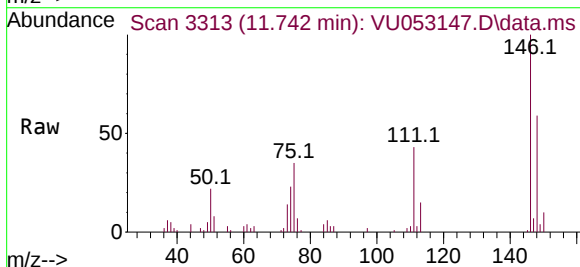
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC001

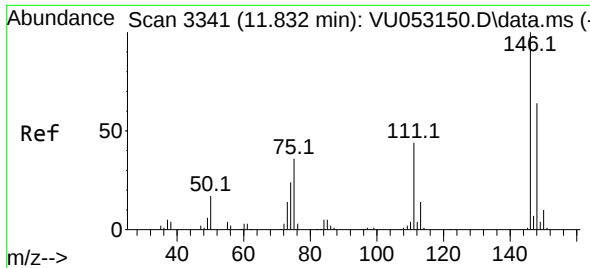
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 119   | Resp: | 28046 |
| Ion Ratio | Lower | Upper |       |
| 119       | 100   |       |       |
| 134       | 22.9  | 19.8  | 29.6  |
| 91        | 25.7  | 20.5  | 30.7  |



#82  
 1,3-Dichlorobenzene  
 Concen: 0.865 ug/l  
 RT: 11.742 min Scan# 3313  
 Delta R.T. -0.000 min  
 Lab File: VU053147.D  
 Acq: 27 Feb 2023 10:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 13376 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 46.0  | 36.0  | 54.0  |
| 148       | 61.9  | 50.8  | 76.2  |

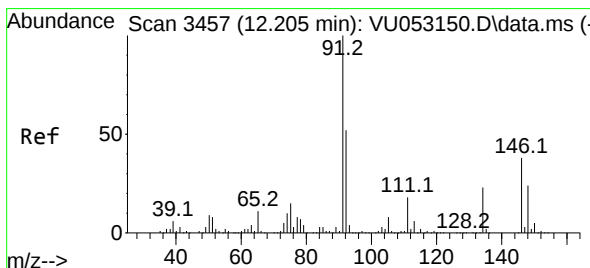
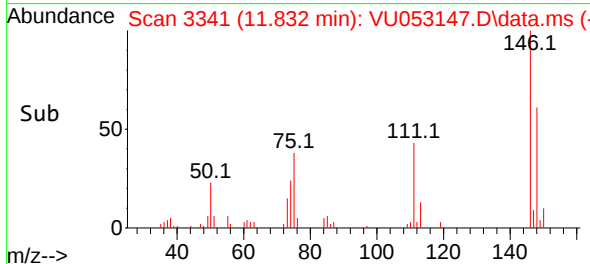
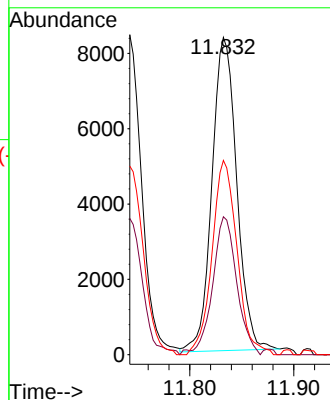
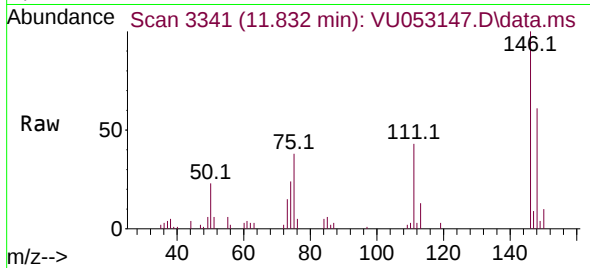




#83  
1,4-Dichlorobenzene  
Concen: 0.873 ug/l  
RT: 11.832 min Scan# 3341  
Delta R.T. -0.000 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

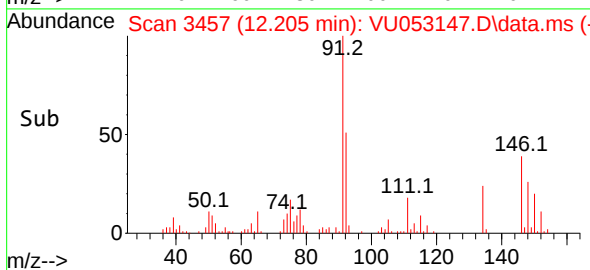
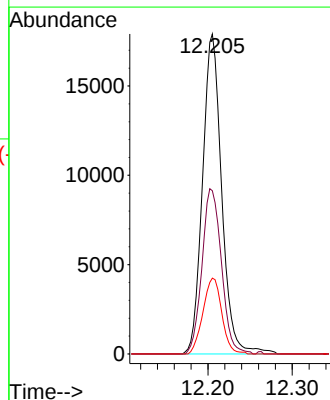
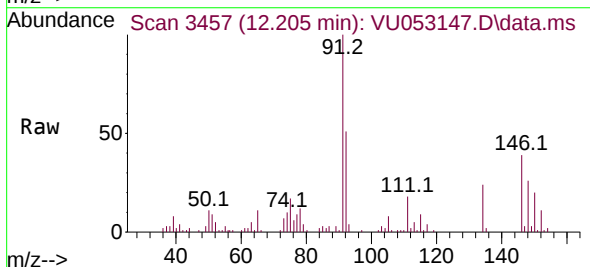
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

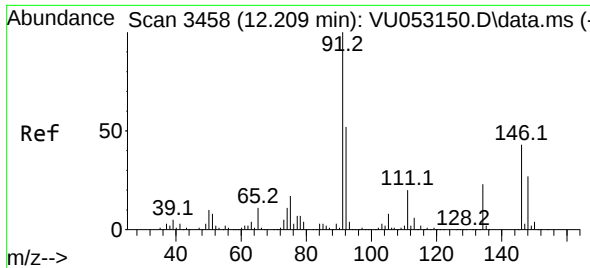
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:146 | Resp: | 13785       |
| Ion         | Ratio | Lower Upper |
| 146         | 100   |             |
| 111         | 42.9  | 34.0 51.0   |
| 148         | 62.4  | 49.8 74.6   |



#84  
n-Butylbenzene  
Concen: 0.842 ug/l  
RT: 12.205 min Scan# 3457  
Delta R.T. -0.000 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 91 | Resp: | 28382       |
| Ion         | Ratio | Lower Upper |
| 91          | 100   |             |
| 92          | 52.4  | 41.8 62.6   |
| 134         | 23.3  | 17.9 26.9   |

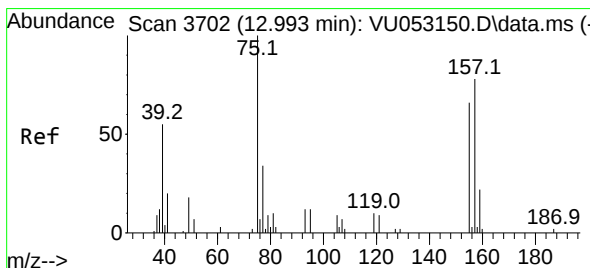
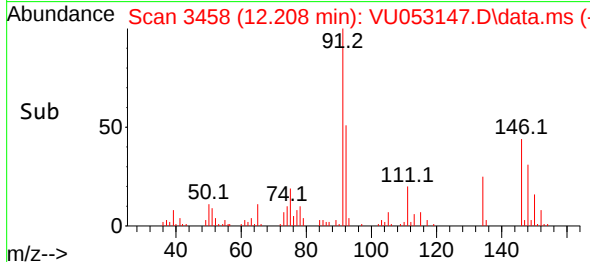
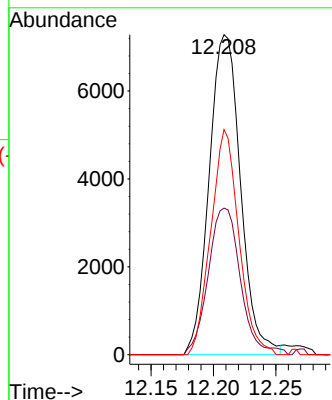
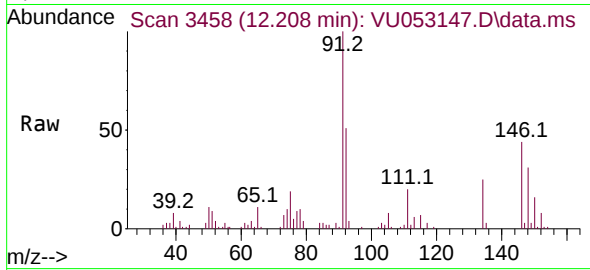




#85  
 1,2-Dichlorobenzene  
 Concen: 0.866 ug/l  
 RT: 12.208 min Scan# 3458  
 Delta R.T. -0.000 min  
 Lab File: VU053147.D  
 Acq: 27 Feb 2023 10:38

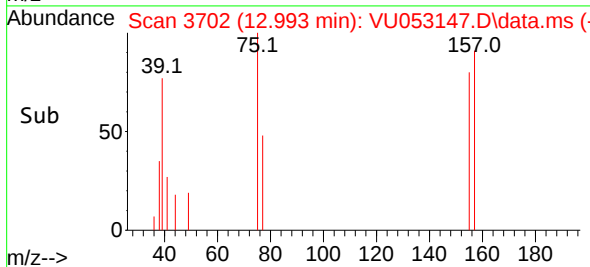
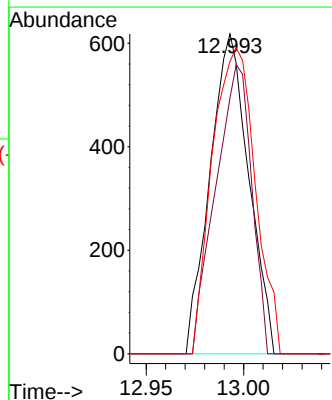
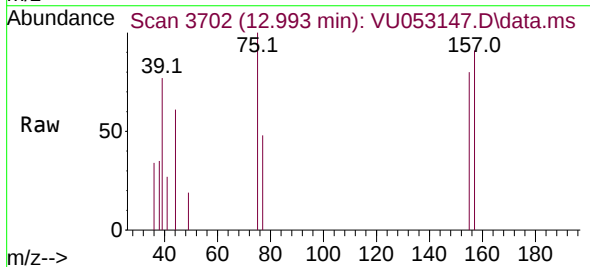
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC001

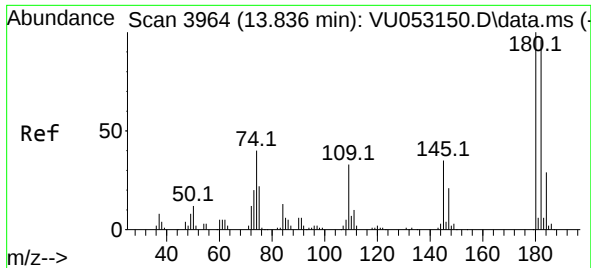
Tgt Ion:146 Resp: 12769  
 Ion Ratio Lower Upper  
 146 100  
 111 47.0 23.2 69.6  
 148 62.9 31.4 94.3



#86  
 1,2-Dibromo-3-Chloropropane  
 Concen: 0.991 ug/l  
 RT: 12.993 min Scan# 3702  
 Delta R.T. -0.000 min  
 Lab File: VU053147.D  
 Acq: 27 Feb 2023 10:38

Tgt Ion: 75 Resp: 856  
 Ion Ratio Lower Upper  
 75 100  
 155 83.6 53.4 80.0#  
 157 106.1 61.7 92.5#

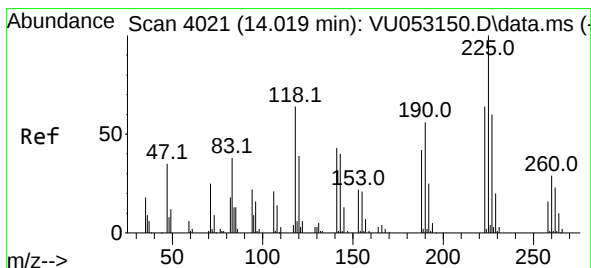
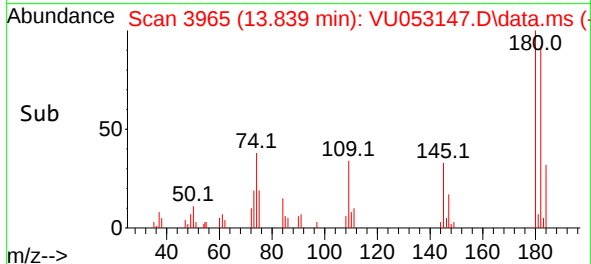
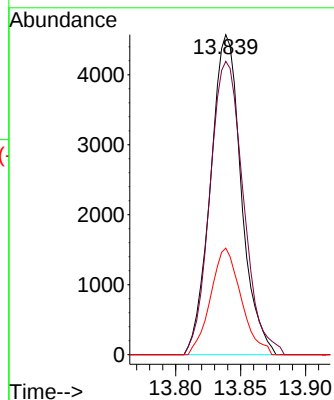
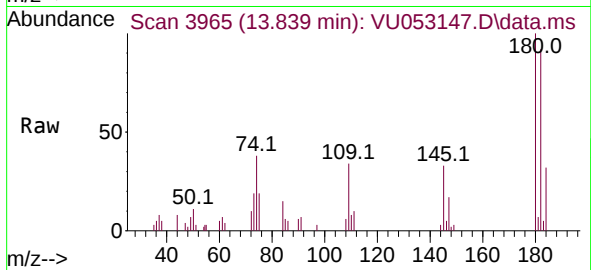




#87  
1,2,4-Trichlorobenzene  
Concen: 0.831 ug/l  
RT: 13.839 min Scan# 3964  
Delta R.T. 0.003 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

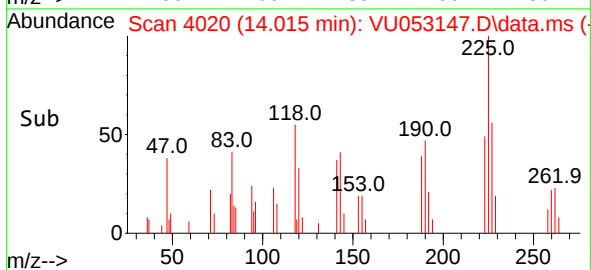
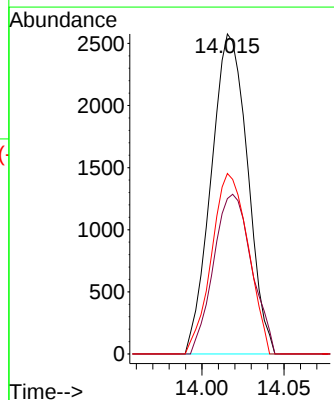
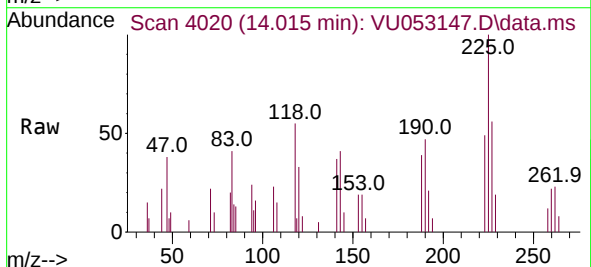
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

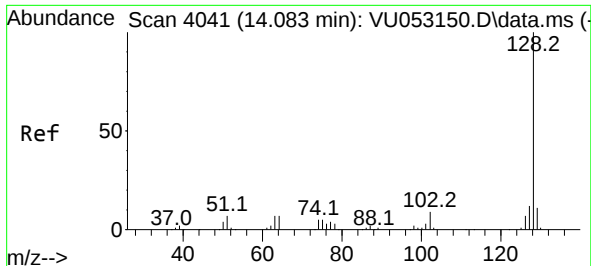
Tgt Ion:180 Resp: 7518  
Ion Ratio Lower Upper  
180 100  
182 99.4 77.4 116.0  
145 33.1 28.3 42.5



#88  
Hexachlorobutadiene  
Concen: 0.898 ug/l  
RT: 14.015 min Scan# 4020  
Delta R.T. -0.003 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

Tgt Ion:225 Resp: 3968  
Ion Ratio Lower Upper  
225 100  
223 52.2 51.1 76.7  
227 56.7 49.9 74.9

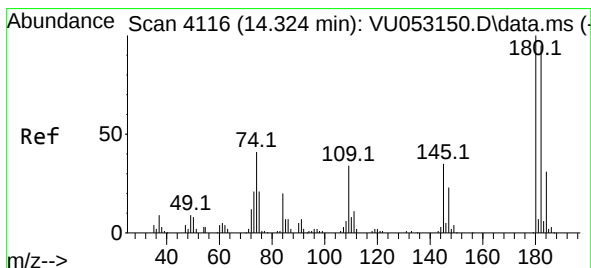
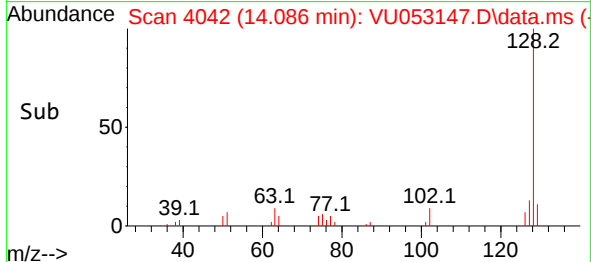
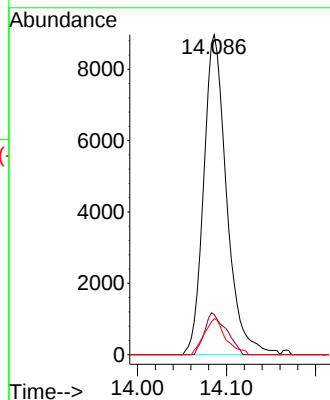
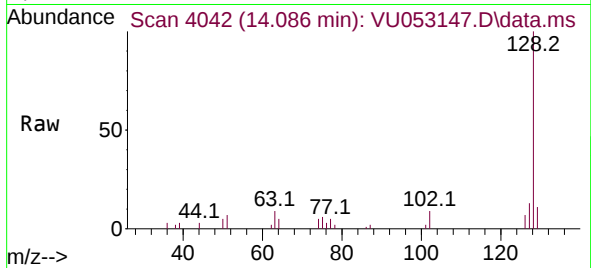




#89  
Naphthalene  
Concen: 0.829 ug/l  
RT: 14.086 min Scan# 4041  
Delta R.T. 0.003 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:128 | Resp: | 16052    |
| Ion Ratio   | Lower | Upper    |
| 128         | 100   |          |
| 127         | 12.3  | 9.9 14.9 |
| 129         | 10.5  | 8.3 12.5 |



#90  
1,2,3-Trichlorobenzene  
Concen: 0.866 ug/l  
RT: 14.327 min Scan# 4117  
Delta R.T. 0.003 min  
Lab File: VU053147.D  
Acq: 27 Feb 2023 10:38

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 6895       |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 91.2  | 76.6 115.0 |
| 145         | 35.4  | 29.0 43.6  |

