

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU042324\  
 Data File : VU058783.D  
 Acq On : 23 Apr 2024 14:56  
 Operator : MD/SY  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Apr 24 00:37:22 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR042224WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Apr 24 00:34:42 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 95771    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 92368    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 46645    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.589  | 65    | 39490    | 5.242    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 104.800% |
| 7) Chloroethane-d5            | 1.904  | 69    | 24786    | 4.366    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 87.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.557  | 65    | 16354    | 4.312    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 86.200%  |
| 20) 2-Butanone-d5             | 4.615  | 46    | 60150    | 45.446   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 90.900%  |
| 24) Chloroform-d              | 5.052  | 84    | 72039    | 4.678    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 93.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.692  | 65    | 34455    | 4.616    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.400%  |
| 32) Benzene-d6                | 5.717  | 84    | 134556   | 4.577    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 91.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 38756    | 4.420    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 88.400%  |
| 41) Toluene-d8                | 7.891  | 98    | 120353   | 4.573    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 91.400%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 14842    | 4.649    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 93.000%  |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 43653    | 46.141   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 92.280%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84    | 25085    | 4.696    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 94.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 38677    | 4.757    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 95.200%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.377  | 85    | 56108    | 5.350    | ug/L   | 99       |
| 3) Chloromethane              | 1.512  | 50    | 47435    | 5.777    | ug/L   | 100      |
| 5) Vinyl chloride             | 1.595  | 62    | 47087    | 5.653    | ug/L   | 99       |
| 6) Bromomethane               | 1.849  | 94    | 23778    | 4.823    | ug/L   | 98       |
| 8) Chloroethane               | 1.923  | 64    | 22799    | 4.859    | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 2.129  | 101   | 64705    | 4.963    | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573  | 101   | 38412    | 4.943    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.570  | 96    | 33010    | 4.733    | ug/L   | 96       |
| 13) Acetone                   | 2.624  | 43    | 38415    | 41.995   | ug/L   | 98       |
| 14) Carbon disulfide          | 2.785  | 76    | 111269   | 4.690    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.943  | 43    | 10327    | 4.709    | ug/L   | 99       |
| 16) Methylene chloride        | 3.033  | 84    | 37610    | 5.011    | ug/L   | 97       |
| 17) Methyl tert-butyl Ether   | 3.348  | 73    | 76988    | 4.876    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.345  | 96    | 34273    | 4.906    | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.856  | 63    | 71314    | 4.820    | ug/L   | 98       |
| 21) 2-Butanone                | 4.695  | 43    | 63256    | 43.974   | ug/L   | 96       |
| 22) cis-1,2-Dichloroethene    | 4.653  | 96    | 37218    | 4.850    | ug/L   | 98       |
| 23) Bromochloromethane        | 4.965  | 128   | 14789    | 4.922    | ug/L   | 93       |
| 25) Chloroform                | 5.074  | 83    | 74547    | 4.848    | ug/L   | 95       |

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 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 11 Sample Multiplier: 1

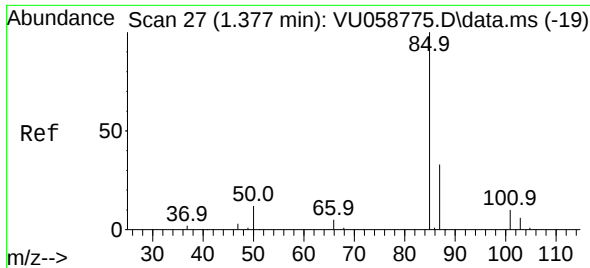
Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Apr 24 00:37:22 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR042224WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Apr 24 00:34:42 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.785  | 62   | 44924    | 4.884  | ug/L  | 98       |
| 29) 1,1,1-Trichloroethane     | 5.306  | 97   | 68092    | 4.939  | ug/L  | 99       |
| 30) Cyclohexane               | 5.380  | 56   | 60084    | 4.617  | ug/L  | 96       |
| 31) Carbon tetrachloride      | 5.515  | 117  | 59907    | 4.916  | ug/L  | 100      |
| 33) Benzene                   | 5.766  | 78   | 154484   | 4.834  | ug/L  | 100      |
| 34) Trichloroethene           | 6.534  | 95   | 42857    | 4.929  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.756  | 83   | 62385    | 4.721  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 38700    | 4.636  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.097  | 83   | 49878    | 4.823  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 55435    | 4.797  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.782  | 43   | 169010   | 45.870 | ug/L  | 98       |
| 42) Toluene                   | 7.962  | 91   | 161682   | 4.895  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.206  | 75   | 44618    | 5.015  | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 8.393  | 97   | 24086    | 5.015  | ug/L  | 99       |
| 47) Tetrachloroethene         | 8.547  | 164  | 29433    | 4.823  | ug/L  | 96       |
| 48) 2-Hexanone                | 8.679  | 43   | 116438   | 44.487 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.804  | 129  | 27848    | 4.950  | ug/L  | 91       |
| 50) 1,2-Dibromoethane         | 8.917  | 107  | 21186    | 4.794  | ug/L  | 95       |
| 51) Chlorobenzene             | 9.441  | 112  | 98150    | 4.878  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.563  | 91   | 180206   | 4.947  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.688  | 106  | 67226    | 5.025  | ug/L  | 96       |
| 54) o-Xylene                  | 10.093 | 106  | 63722    | 5.024  | ug/L  | 99       |
| 55) Styrene                   | 10.110 | 104  | 105612   | 5.111  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 26037    | 4.651  | ug/L  | 99       |
| 59) Bromoform                 | 10.286 | 173  | 15511    | 4.748  | ug/L  | 97       |
| 60) Isopropylbenzene          | 10.479 | 105  | 178646   | 4.828  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.817 | 75   | 19711    | 4.643  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 150677   | 4.893  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 146672   | 5.034  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.740 | 146  | 77432    | 4.855  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.830 | 146  | 76381    | 4.908  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146  | 68521    | 4.963  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.990 | 75   | 4241     | 5.781  | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 13.216 | 180  | 56665    | 4.967  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.836 | 180  | 38553    | 4.861  | ug/L  | 99       |
| 71) Naphthalene               | 14.084 | 128  | 39862    | 4.154  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 29557    | 4.702  | ug/L  | 99       |

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

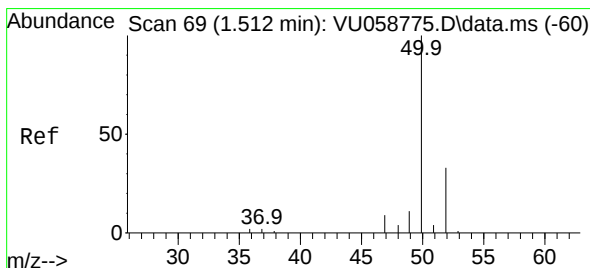
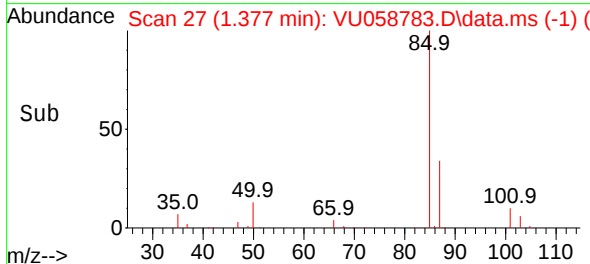
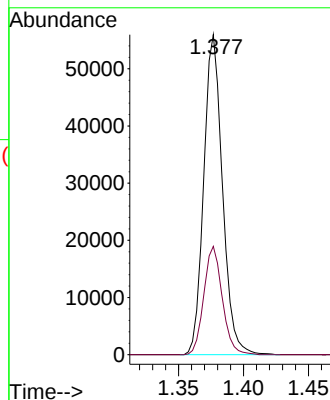
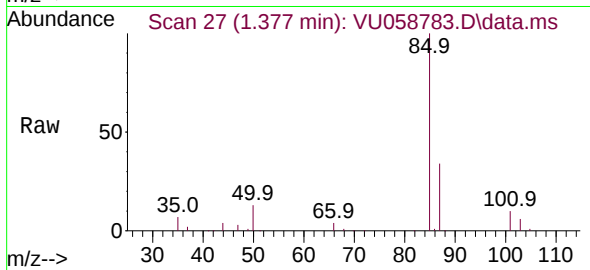




#2  
Dichlorodifluoromethane  
Concen: 5.350 ug/L  
RT: 1.377 min Scan# 27  
Delta R.T. -0.000 min  
Lab File: VU058783.D  
Acq: 23 Apr 2024 14:56

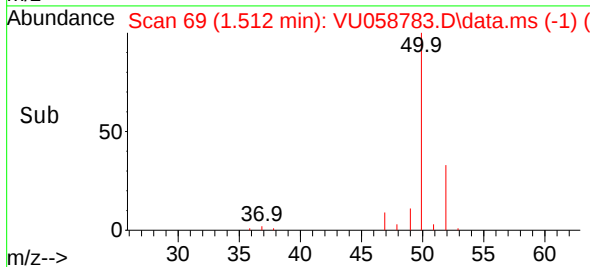
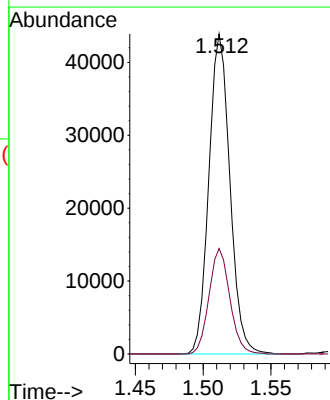
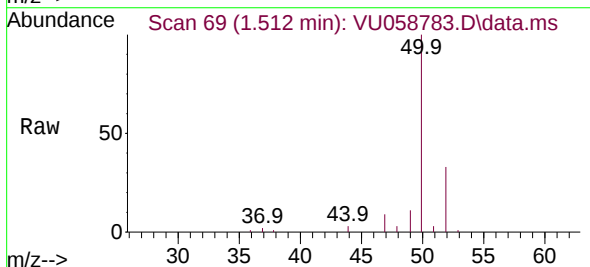
Instrument :  
MSVOA\_U  
ClientSampleId :

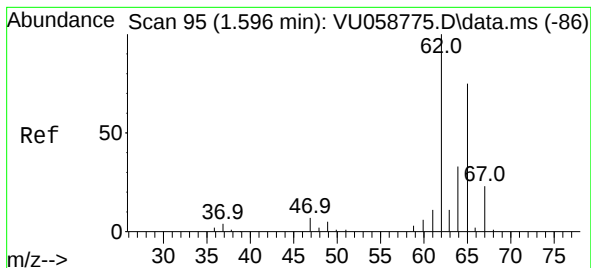
Tgt Ion: 85 Resp: 56108  
Ion Ratio Lower Upper  
85 100  
87 33.3 26.0 39.0



#3  
Chloromethane  
Concen: 5.777 ug/L  
RT: 1.512 min Scan# 69  
Delta R.T. -0.000 min  
Lab File: VU058783.D  
Acq: 23 Apr 2024 14:56

Tgt Ion: 50 Resp: 47435  
Ion Ratio Lower Upper  
50 100  
52 33.0 23.0 42.8





#5

Vinyl chloride

Concen: 5.653 ug/L

RT: 1.595 min Scan# 90

Delta R.T. -0.000 min

Lab File: VU058783.D

Acq: 23 Apr 2024 14:56

Instrument :

MSVOA\_U

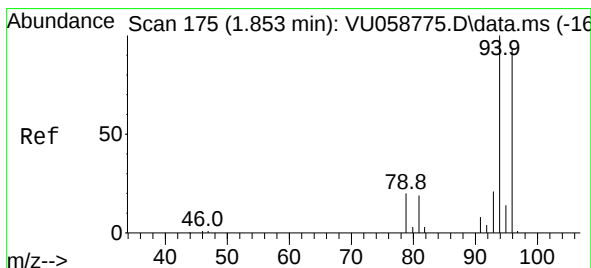
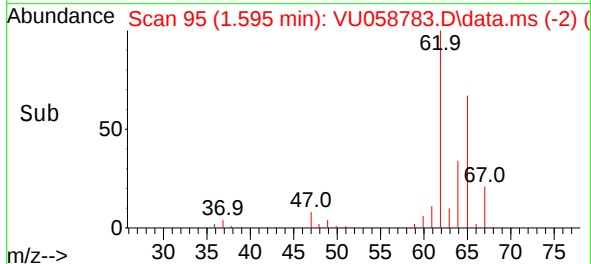
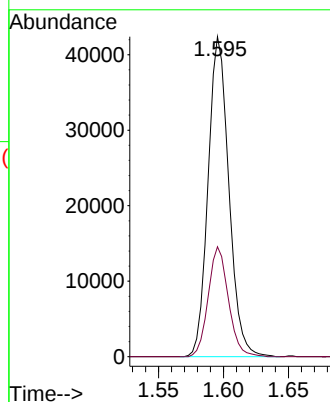
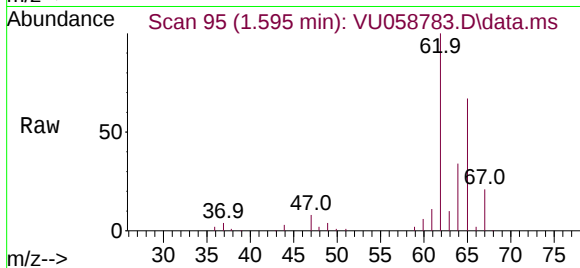
ClientSampleId :

Tgt Ion: 62 Resp: 47087

Ion Ratio Lower Upper

62 100

64 34.4 23.8 44.2



#6

Bromomethane

Concen: 4.823 ug/L

RT: 1.849 min Scan# 174

Delta R.T. -0.003 min

Lab File: VU058783.D

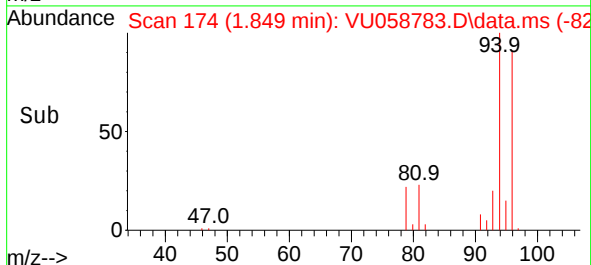
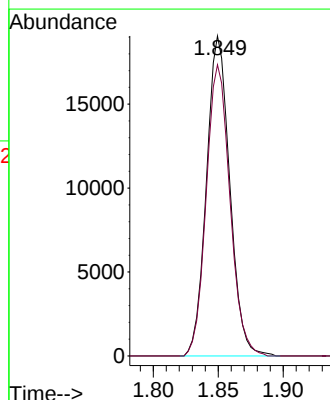
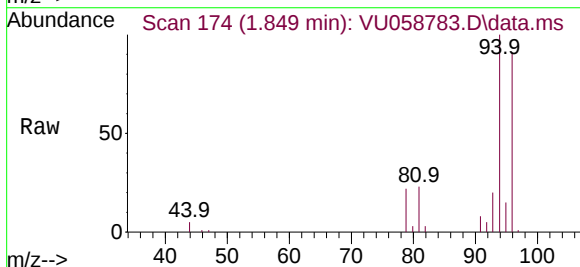
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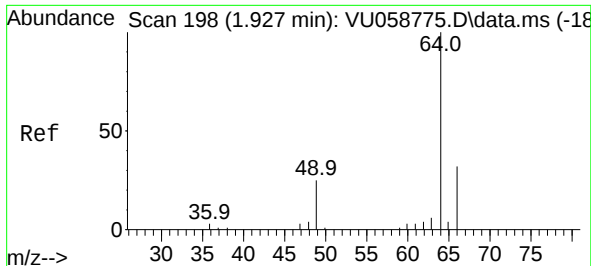
Tgt Ion: 94 Resp: 23778

Ion Ratio Lower Upper

94 100

96 91.0 62.2 115.6

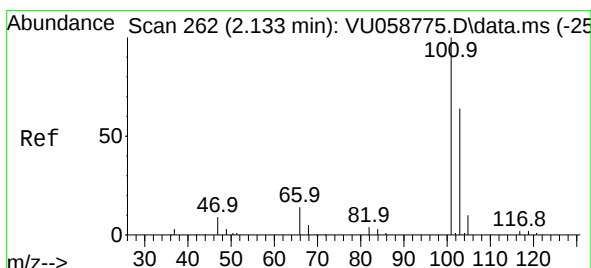
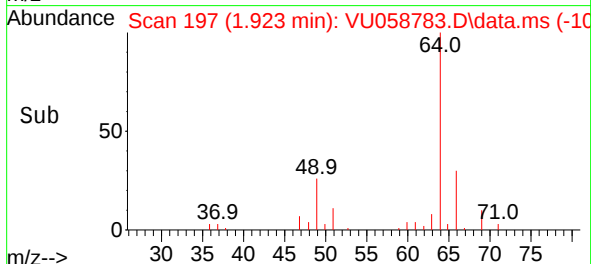
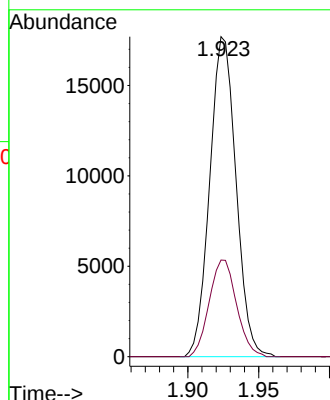
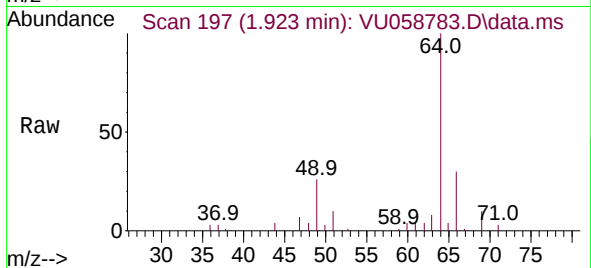




#8  
Chloroethane  
Concen: 4.859 ug/L  
RT: 1.923 min Scan# 197  
Delta R.T. -0.003 min  
Lab File: VU058783.D  
Acq: 23 Apr 2024 14:56

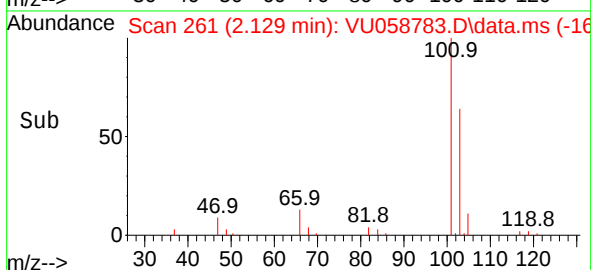
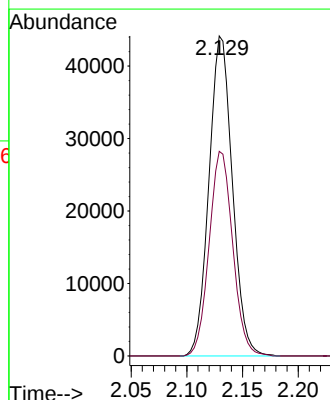
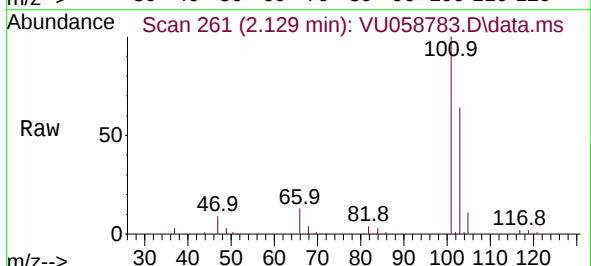
Instrument :  
MSVOA\_U  
ClientSampleId :

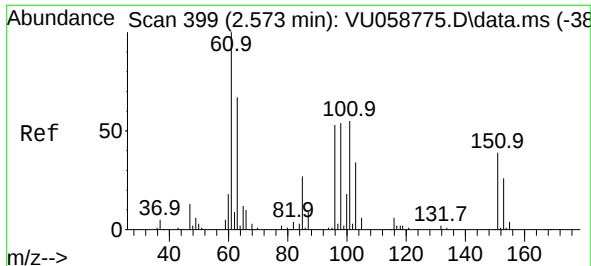
Tgt Ion: 64 Resp: 22799  
Ion Ratio Lower Upper  
64 100  
66 30.2 22.4 41.6



#9  
Trichlorofluoromethane  
Concen: 4.963 ug/L  
RT: 2.129 min Scan# 261  
Delta R.T. -0.003 min  
Lab File: VU058783.D  
Acq: 23 Apr 2024 14:56

Tgt Ion:101 Resp: 64705  
Ion Ratio Lower Upper  
101 100  
103 64.3 52.6 78.8

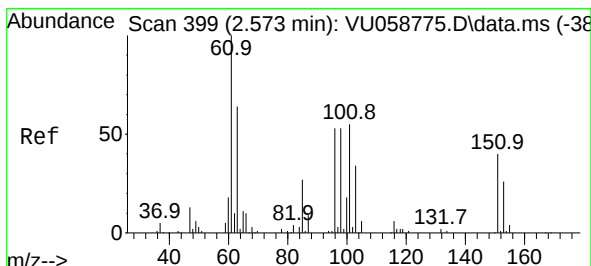
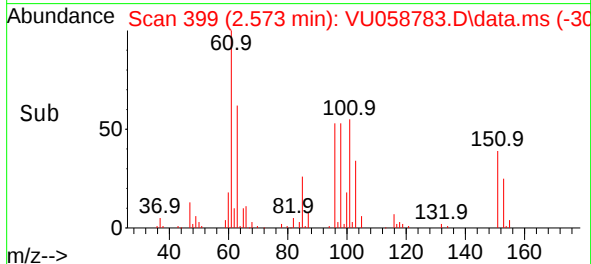
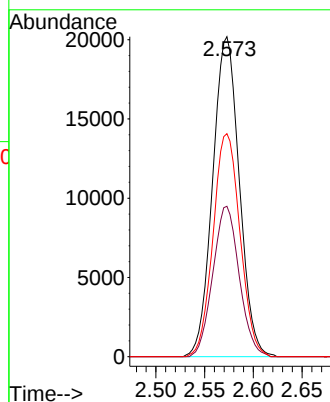
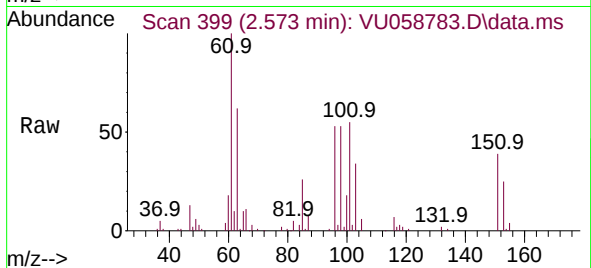




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 4.943 ug/L  
 RT: 2.573 min Scan# 399  
 Delta R.T. -0.000 min  
 Lab File: VU058783.D  
 Acq: 23 Apr 2024 14:56

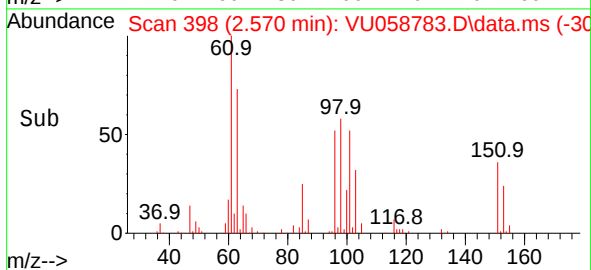
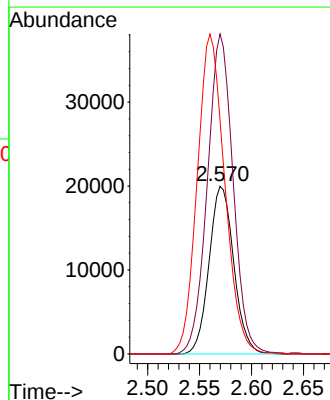
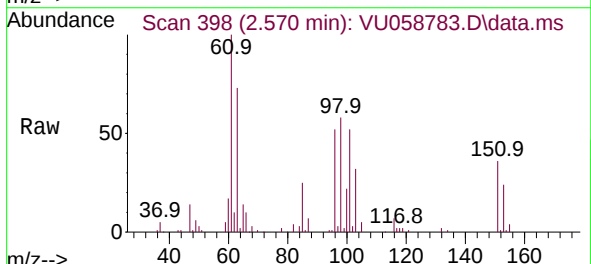
Instrument :  
 MSVOA\_U  
 ClientSampleId :

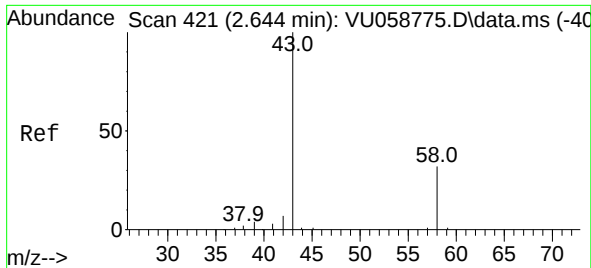
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 Ion Ratio Lower Upper  
 101 100  
 85 46.5 36.7 55.1  
 151 70.4 56.6 84.8



#12  
 1,1-Dichloroethene  
 Concen: 4.733 ug/L  
 RT: 2.570 min Scan# 398  
 Delta R.T. -0.003 min  
 Lab File: VU058783.D  
 Acq: 23 Apr 2024 14:56

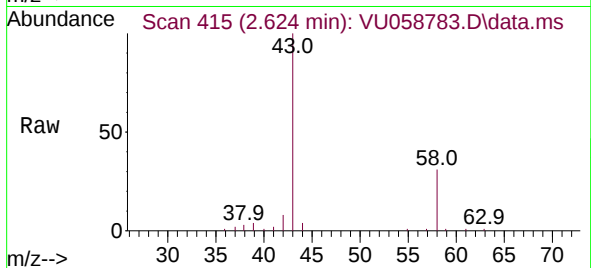
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 63 139.5 91.9 170.7



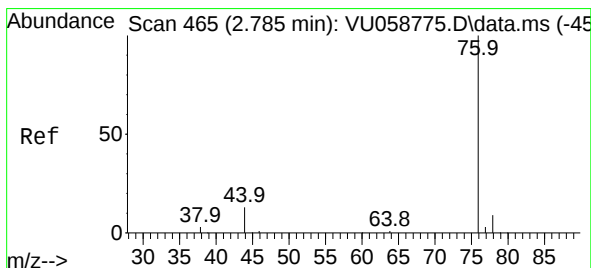
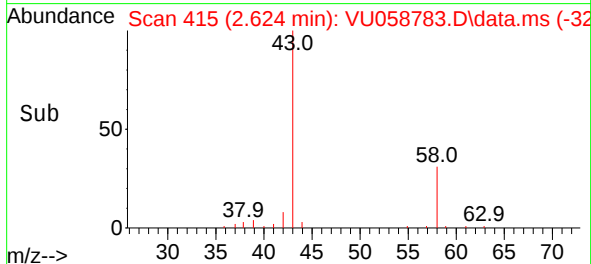
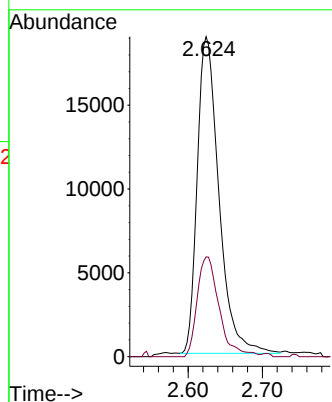


#13  
Acetone  
Concen: 41.995 ug/L  
RT: 2.624 min Scan# 415  
Delta R.T. -0.019 min  
Lab File: VU058783.D  
Acq: 23 Apr 2024 14:56

Instrument :  
MSVOA\_U  
ClientSampleId :

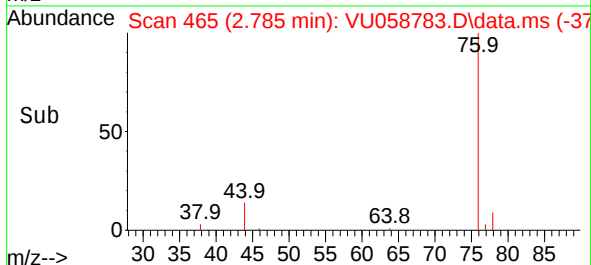
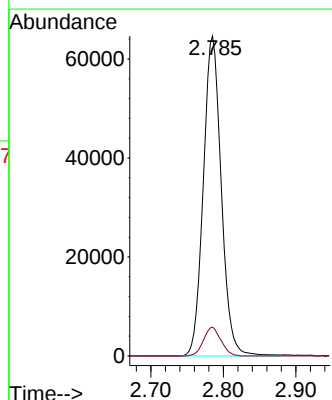
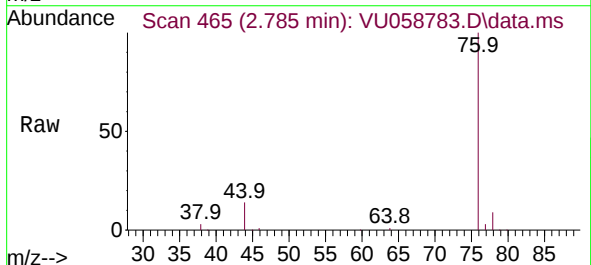


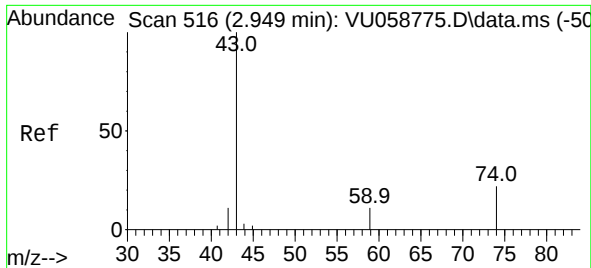
Tgt Ion: 43 Resp: 38415  
Ion Ratio Lower Upper  
43 100  
58 31.8 0.0 61.2



#14  
Carbon disulfide  
Concen: 4.690 ug/L  
RT: 2.785 min Scan# 465  
Delta R.T. -0.000 min  
Lab File: VU058783.D  
Acq: 23 Apr 2024 14:56

Tgt Ion: 76 Resp: 111269  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.4 11.2





#15

Methyl Acetate

Concen: 4.709 ug/L

RT: 2.943 min Scan# 51

Delta R.T. -0.007 min

Lab File: VU058783.D

Acq: 23 Apr 2024 14:56

Instrument :

MSVOA\_U

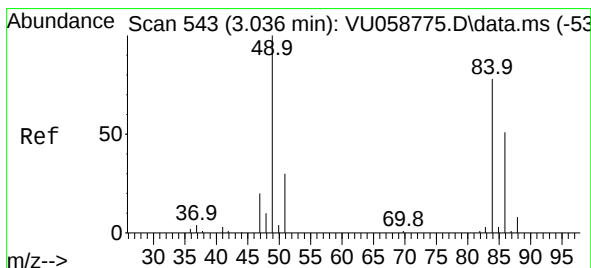
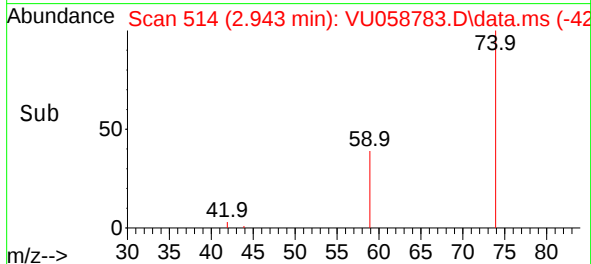
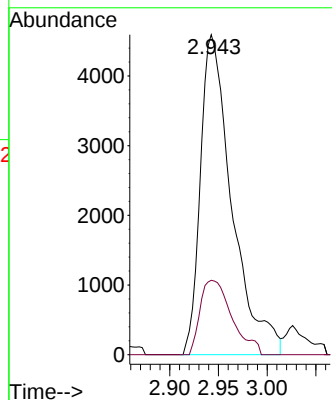
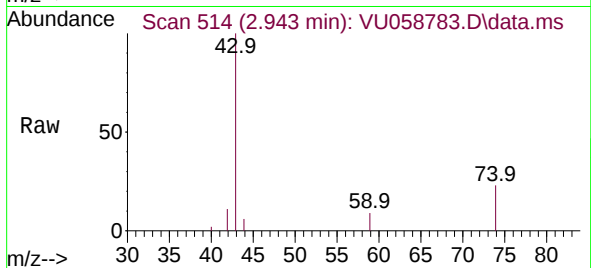
ClientSampleId :

Tgt Ion: 43 Resp: 10327

Ion Ratio Lower Upper

43 100

74 23.4 18.2 27.4



#16

Methylene chloride

Concen: 5.011 ug/L

RT: 3.033 min Scan# 542

Delta R.T. -0.003 min

Lab File: VU058783.D

Acq: 23 Apr 2024 14:56

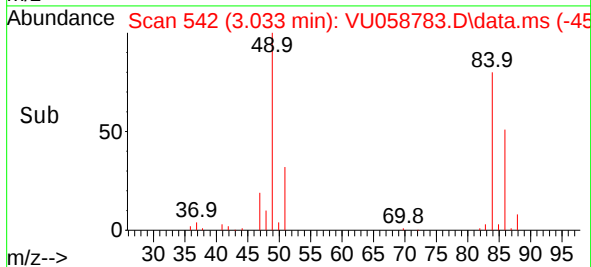
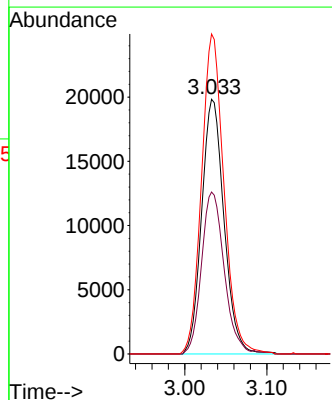
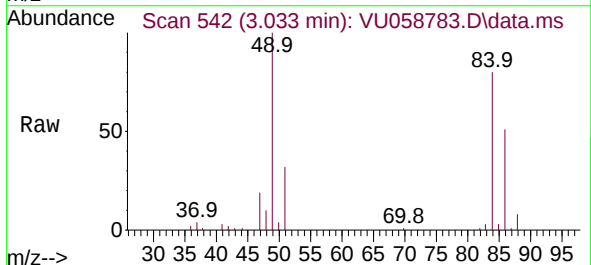
Tgt Ion: 84 Resp: 37610

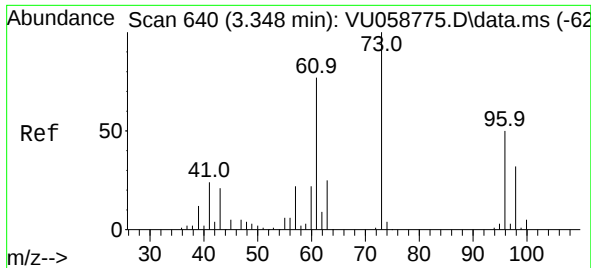
Ion Ratio Lower Upper

84 100

86 63.6 45.0 83.6

49 125.6 91.6 170.2

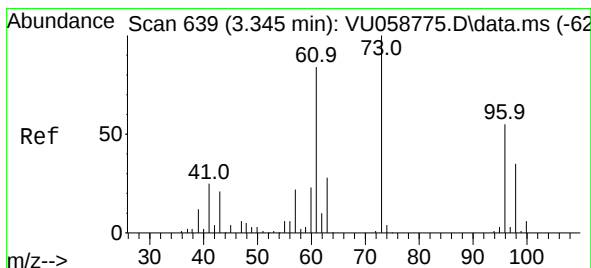
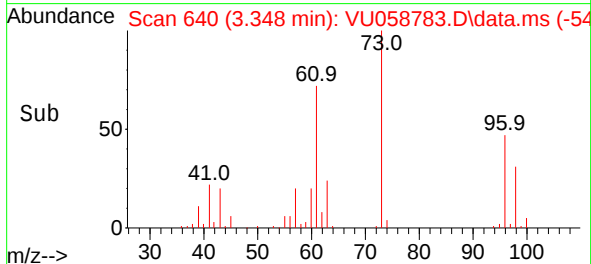
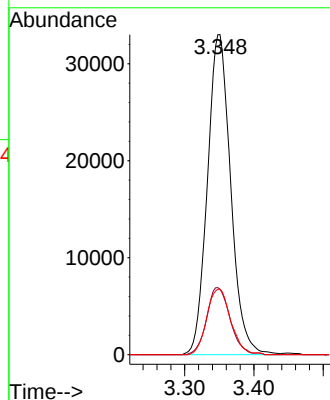
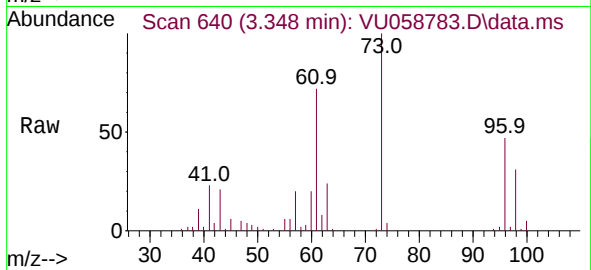




#17  
Methyl tert-butyl Ether  
Concen: 4.876 ug/L  
RT: 3.348 min Scan# 640  
Delta R.T. -0.000 min  
Lab File: VU058783.D  
Acq: 23 Apr 2024 14:56

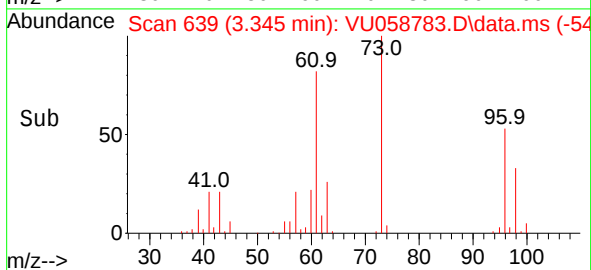
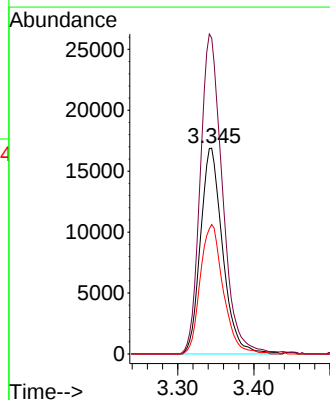
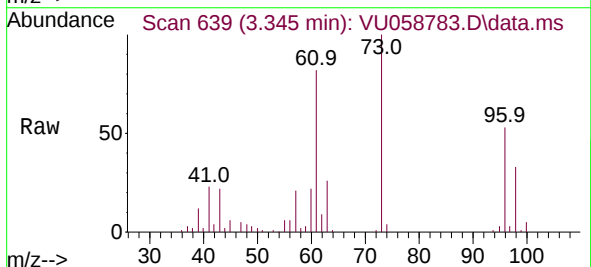
Instrument :  
MSVOA\_U  
ClientSampleId :

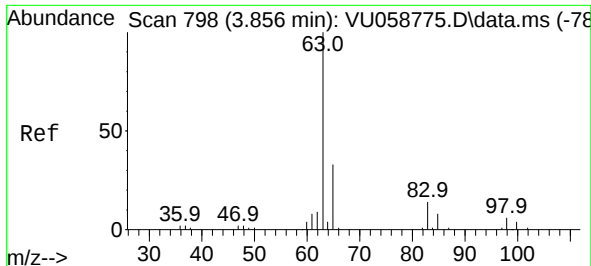
Tgt Ion: 73 Resp: 76988  
Ion Ratio Lower Upper  
73 100  
43 21.0 17.7 26.5  
57 21.1 17.0 25.4



#18  
trans-1,2-Dichloroethene  
Concen: 4.906 ug/L  
RT: 3.345 min Scan# 639  
Delta R.T. -0.000 min  
Lab File: VU058783.D  
Acq: 23 Apr 2024 14:56

Tgt Ion: 96 Resp: 34273  
Ion Ratio Lower Upper  
96 100  
61 153.5 108.6 201.8  
98 62.9 44.4 82.4

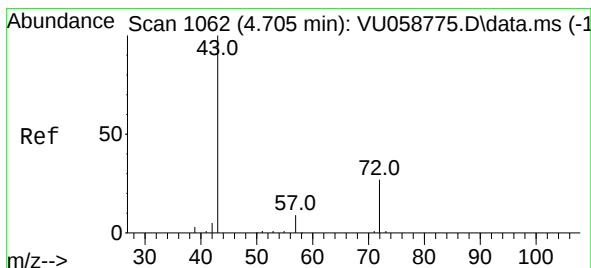
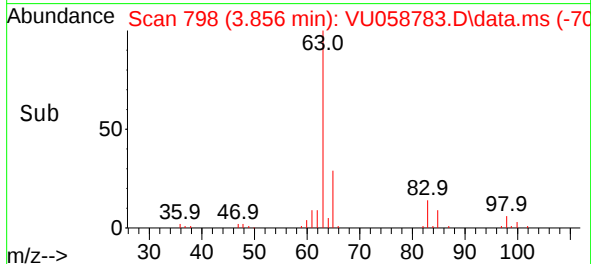
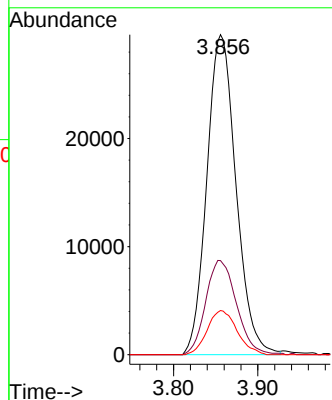
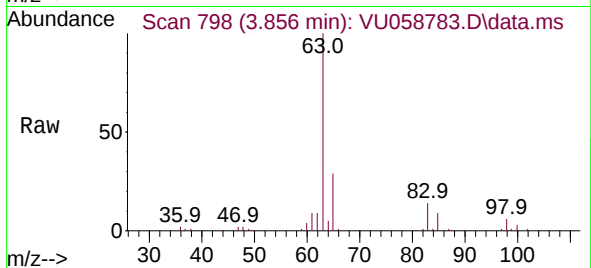




#19  
1,1-Dichloroethane  
Concen: 4.820 ug/L  
RT: 3.856 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VU058783.D  
Acq: 23 Apr 2024 14:56

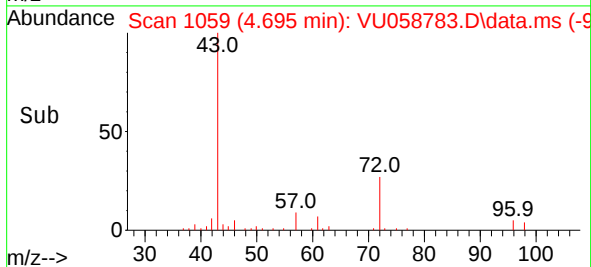
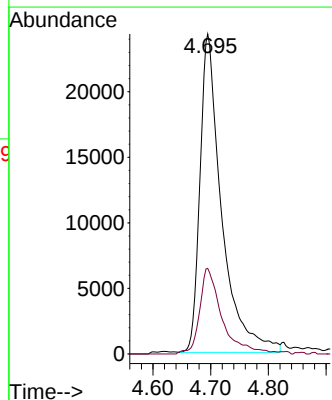
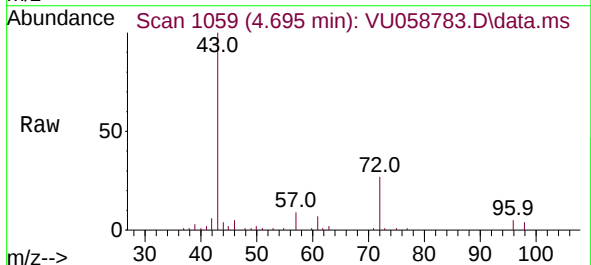
Instrument :  
MSVOA\_U  
ClientSampleId :

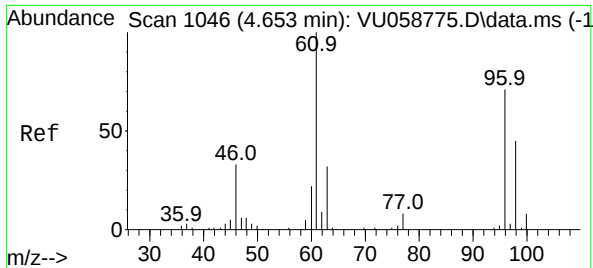
Tgt Ion: 63 Resp: 71314  
Ion Ratio Lower Upper  
63 100  
65 29.4 21.6 40.2  
83 13.8 9.5 17.7



#21  
2-Butanone  
Concen: 43.974 ug/L  
RT: 4.695 min Scan# 1059  
Delta R.T. -0.010 min  
Lab File: VU058783.D  
Acq: 23 Apr 2024 14:56

Tgt Ion: 43 Resp: 63256  
Ion Ratio Lower Upper  
43 100  
72 27.5 12.8 38.4

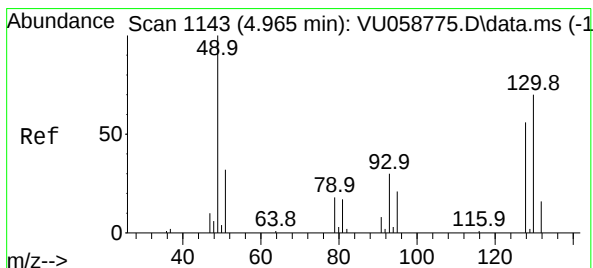
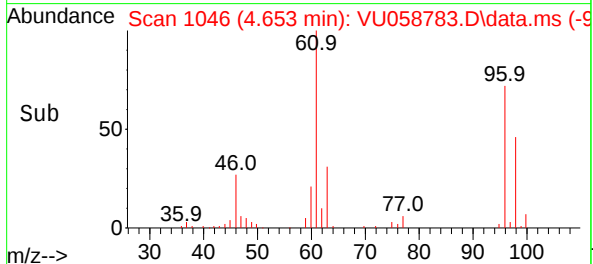
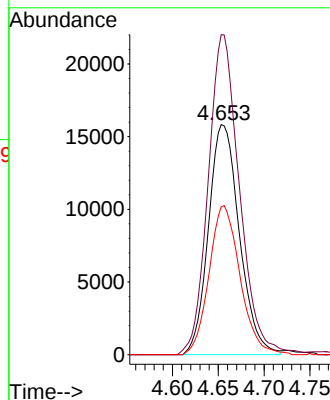
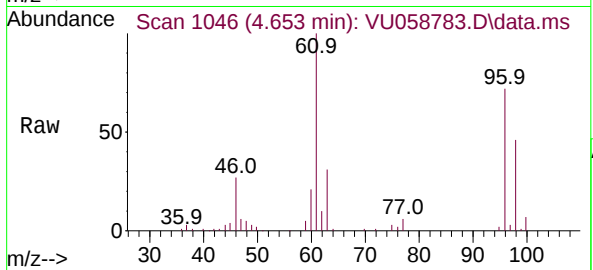




#22  
 cis-1,2-Dichloroethene  
 Concen: 4.850 ug/L  
 RT: 4.653 min Scan# 1046  
 Delta R.T. -0.000 min  
 Lab File: VU058783.D  
 Acq: 23 Apr 2024 14:56

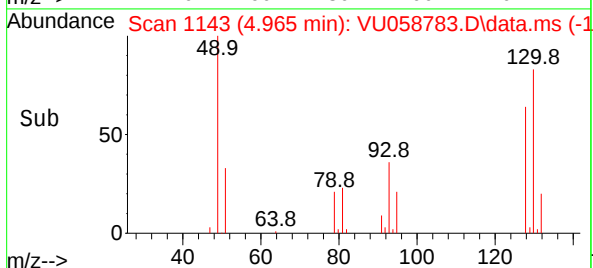
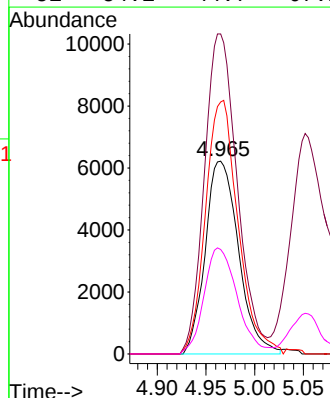
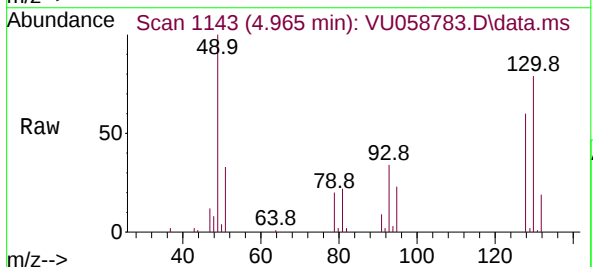
Instrument :  
 MSVOA\_U  
 ClientSampleId :

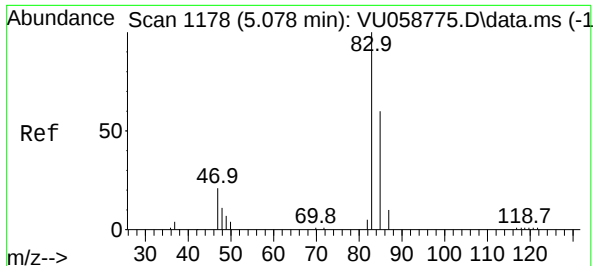
Tgt Ion: 96 Resp: 37218  
 Ion Ratio Lower Upper  
 96 100  
 61 139.1 100.4 186.4  
 98 64.2 45.1 83.7



#23  
 Bromochloromethane  
 Concen: 4.922 ug/L  
 RT: 4.965 min Scan# 1143  
 Delta R.T. -0.000 min  
 Lab File: VU058783.D  
 Acq: 23 Apr 2024 14:56

Tgt Ion: 128 Resp: 14789  
 Ion Ratio Lower Upper  
 128 100  
 49 165.9 129.1 239.7  
 130 130.7 92.1 171.1  
 51 54.1 44.7 67.1





#25

Chloroform

Concen: 4.848 ug/L

RT: 5.074 min Scan# 1178

Delta R.T. -0.003 min

Lab File: VU058783.D

Acq: 23 Apr 2024 14:56

Instrument :

MSVOA\_U

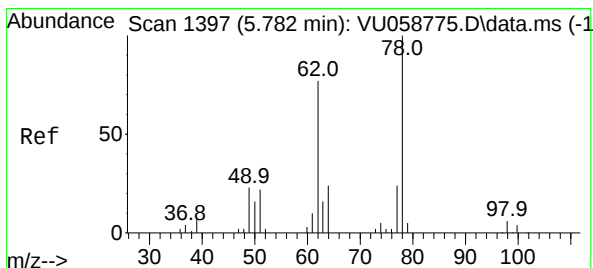
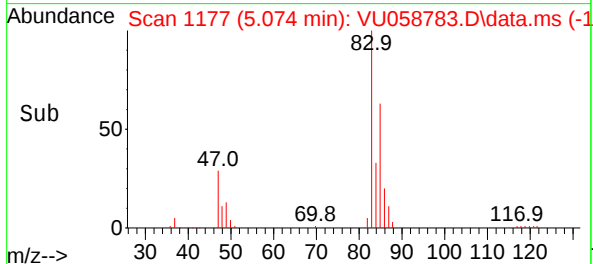
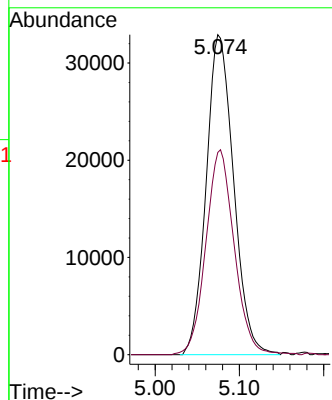
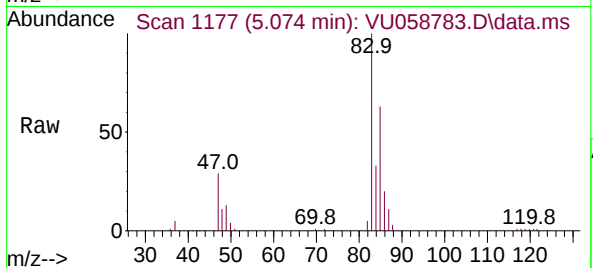
ClientSampleId :

Tgt Ion: 83 Resp: 74547

Ion Ratio Lower Upper

83 100

85 63.2 47.0 87.4



#27

1,2-Dichloroethane

Concen: 4.884 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.003 min

Lab File: VU058783.D

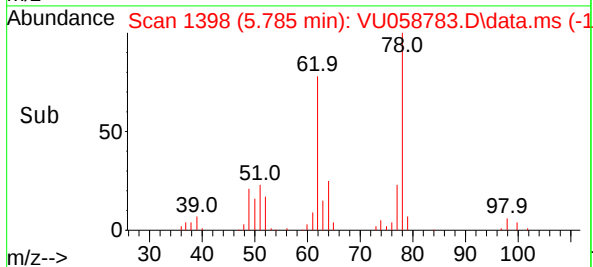
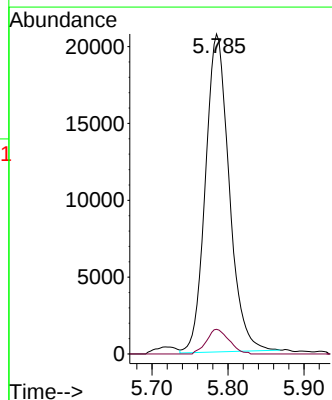
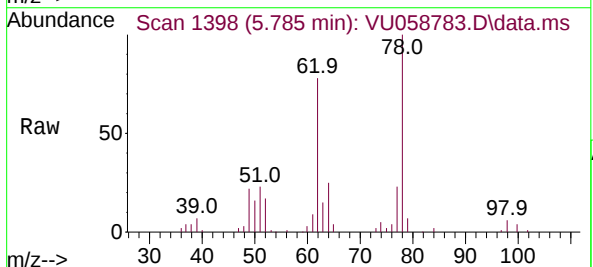
Acq: 23 Apr 2024 14:56

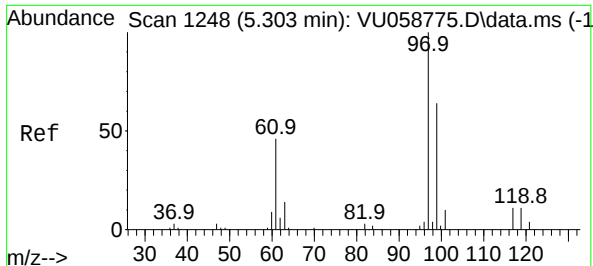
Tgt Ion: 62 Resp: 44924

Ion Ratio Lower Upper

62 100

98 7.7 6.7 10.1

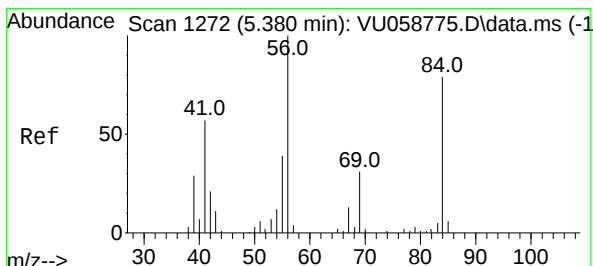
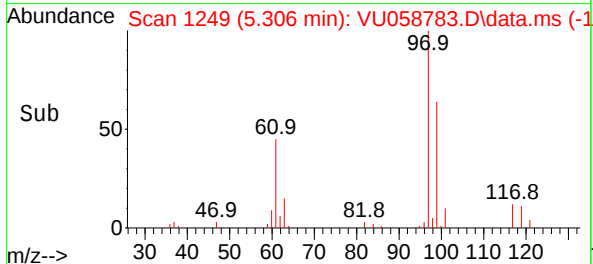
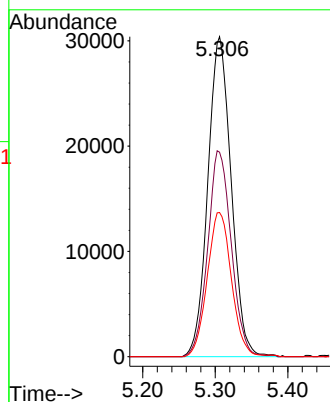
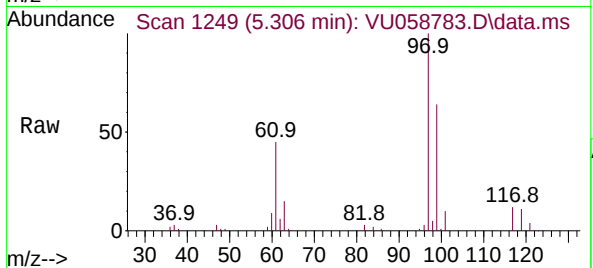




#29  
1,1,1-Trichloroethane  
Concen: 4.939 ug/L  
RT: 5.306 min Scan# 1248  
Delta R.T. 0.003 min  
Lab File: VU058783.D  
Acq: 23 Apr 2024 14:56

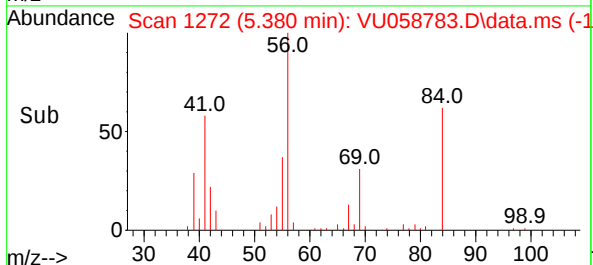
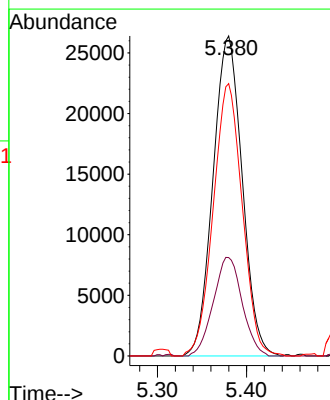
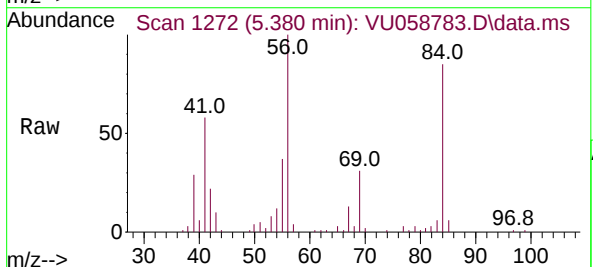
Instrument :  
MSVOA\_U  
ClientSampleId :

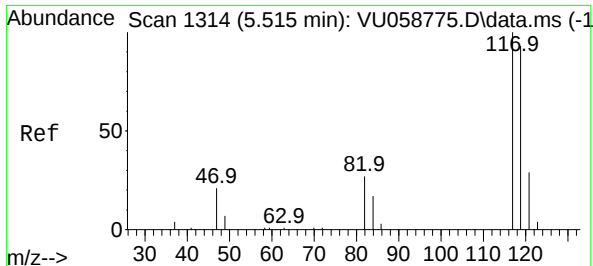
Tgt Ion: 97 Resp: 68092  
Ion Ratio Lower Upper  
97 100  
99 64.9 50.5 75.7  
61 46.6 37.3 55.9



#30  
Cyclohexane  
Concen: 4.617 ug/L  
RT: 5.380 min Scan# 1272  
Delta R.T. -0.000 min  
Lab File: VU058783.D  
Acq: 23 Apr 2024 14:56

Tgt Ion: 56 Resp: 60084  
Ion Ratio Lower Upper  
56 100  
69 30.5 23.7 35.5  
84 84.5 64.2 96.4





#31

Carbon tetrachloride

Concen: 4.916 ug/L

RT: 5.515 min Scan# 1314

Delta R.T. -0.000 min

Lab File: VU058783.D

Acq: 23 Apr 2024 14:56

Instrument :

MSVOA\_U

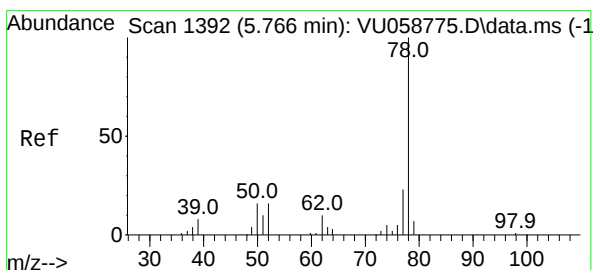
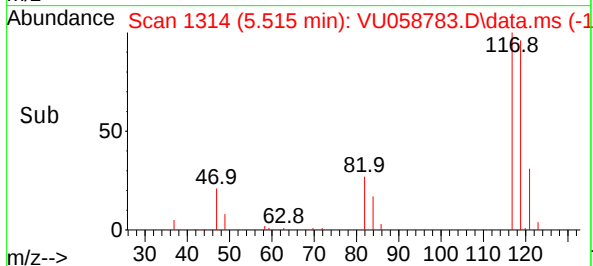
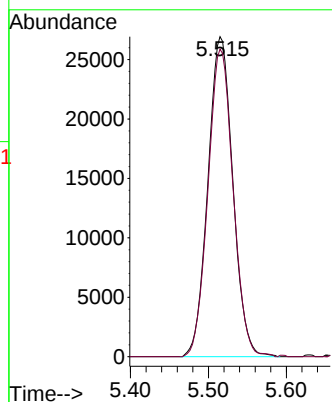
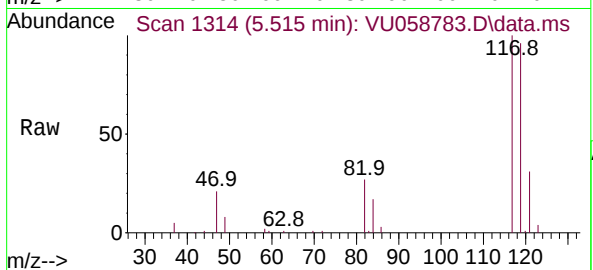
ClientSampleId :

Tgt Ion:117 Resp: 59907

Ion Ratio Lower Upper

117 100

119 96.6 77.0 115.4



#33

Benzene

Concen: 4.834 ug/L

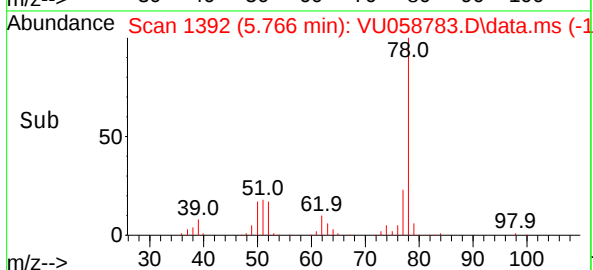
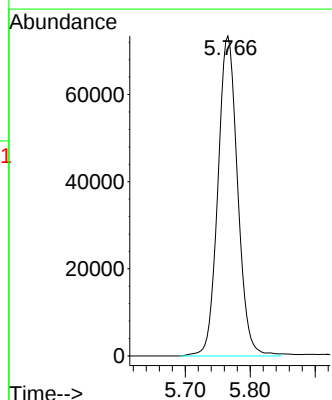
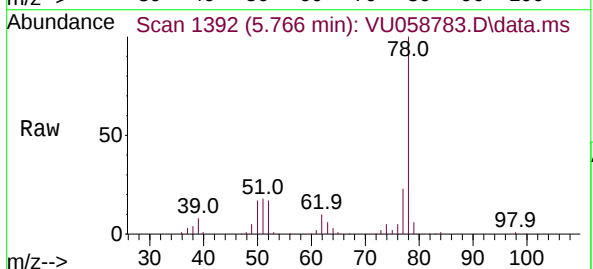
RT: 5.766 min Scan# 1392

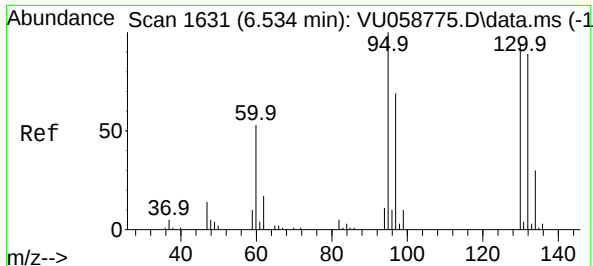
Delta R.T. -0.000 min

Lab File: VU058783.D

Acq: 23 Apr 2024 14:56

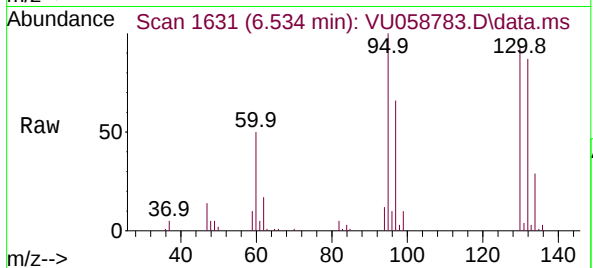
Tgt Ion: 78 Resp: 154484



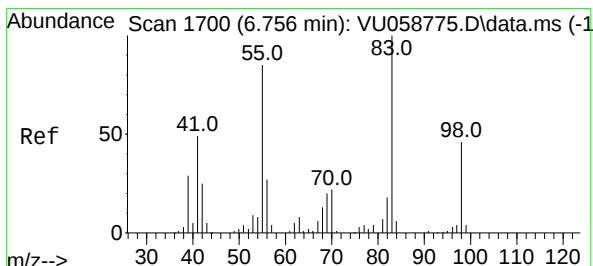
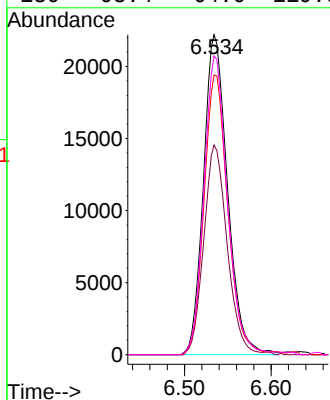
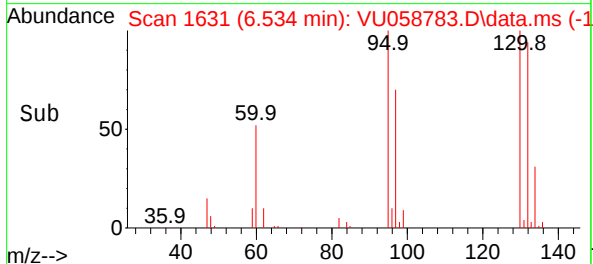


#34  
Trichloroethene  
Concen: 4.929 ug/L  
RT: 6.534 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VU058783.D  
Acq: 23 Apr 2024 14:56

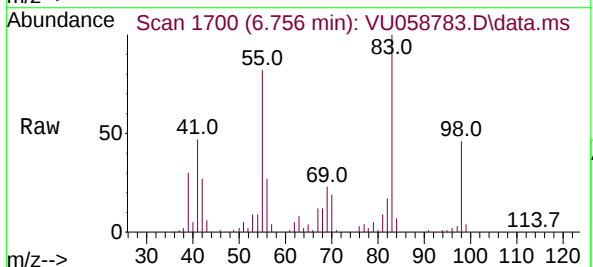
Instrument :  
MSVOA\_U  
ClientSampleId :



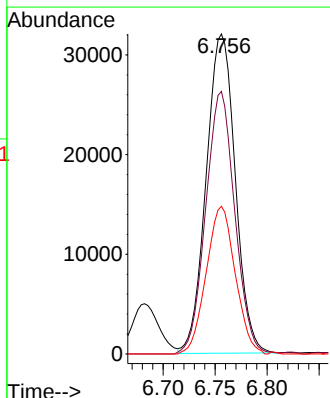
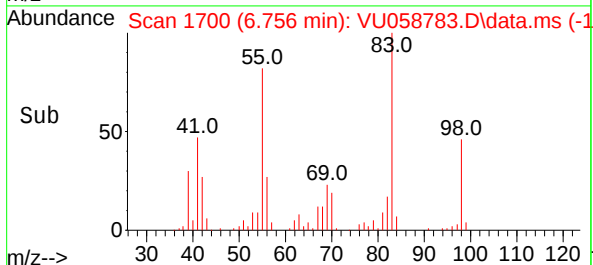
Tgt Ion: 95 Resp: 42857  
Ion Ratio Lower Upper  
95 100  
97 65.6 44.4 82.4  
132 87.4 61.6 114.4  
130 93.4 64.0 119.0

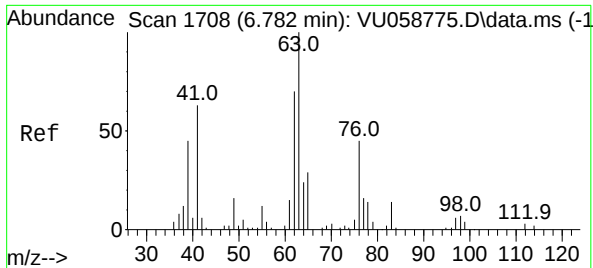


#35  
Methylcyclohexane  
Concen: 4.721 ug/L  
RT: 6.756 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VU058783.D  
Acq: 23 Apr 2024 14:56



Tgt Ion: 83 Resp: 62385  
Ion Ratio Lower Upper  
83 100  
55 82.2 66.6 100.0  
98 46.1 35.4 53.2

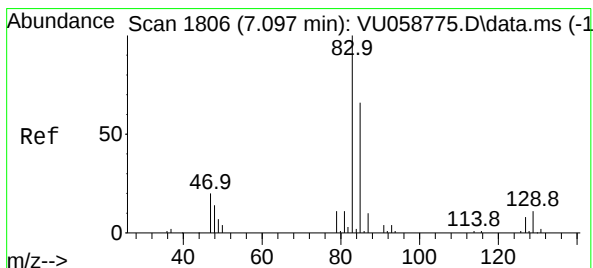
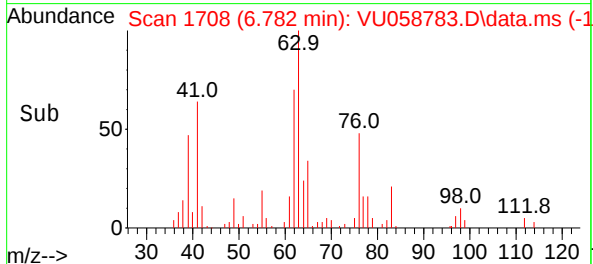
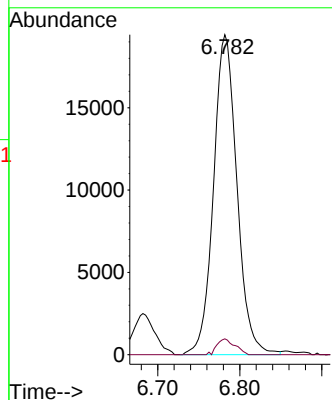
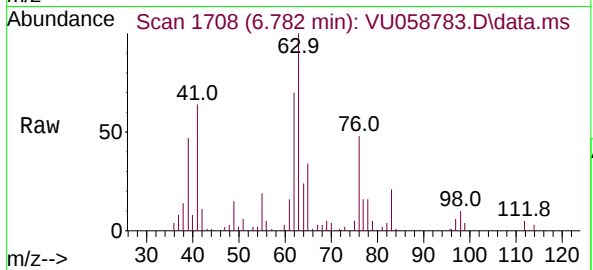




#37  
1,2-Dichloropropane  
Concen: 4.636 ug/L  
RT: 6.782 min Scan# 1708  
Delta R.T. -0.000 min  
Lab File: VU058783.D  
Acq: 23 Apr 2024 14:56

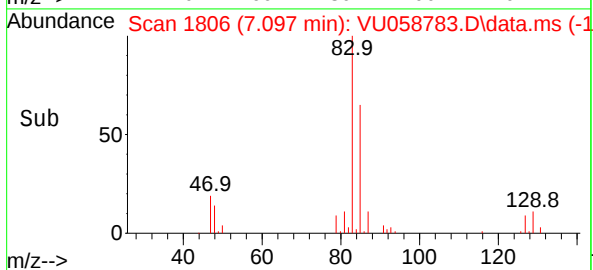
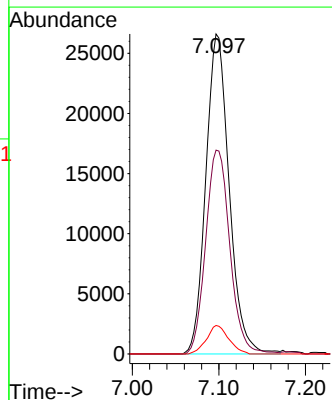
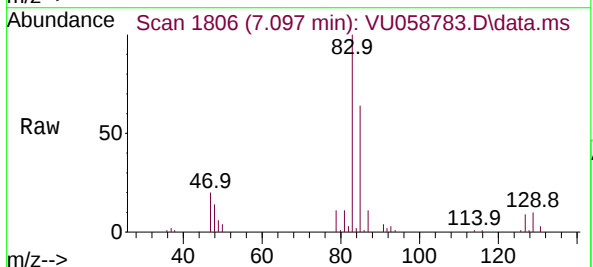
Instrument :  
MSVOA\_U  
ClientSampleId :

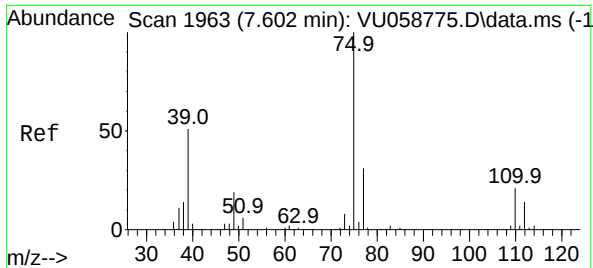
Tgt Ion: 63 Resp: 38700  
Ion Ratio Lower Upper  
63 100  
112 3.8 2.8 4.2



#38  
Bromodichloromethane  
Concen: 4.823 ug/L  
RT: 7.097 min Scan# 1806  
Delta R.T. -0.000 min  
Lab File: VU058783.D  
Acq: 23 Apr 2024 14:56

Tgt Ion: 83 Resp: 49878  
Ion Ratio Lower Upper  
83 100  
85 63.7 45.2 84.0  
127 8.9 6.3 9.5

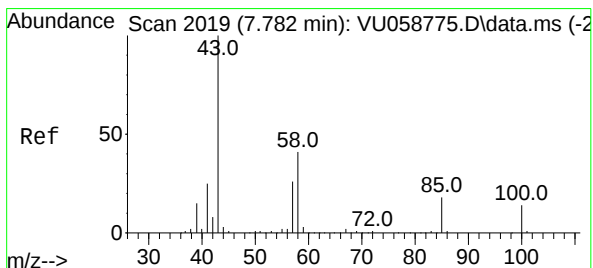
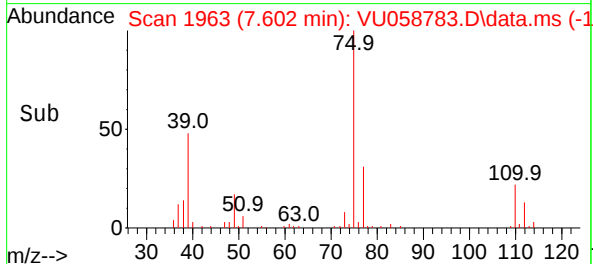
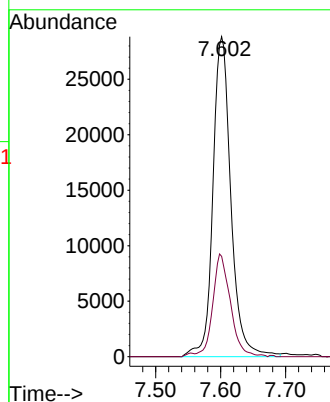
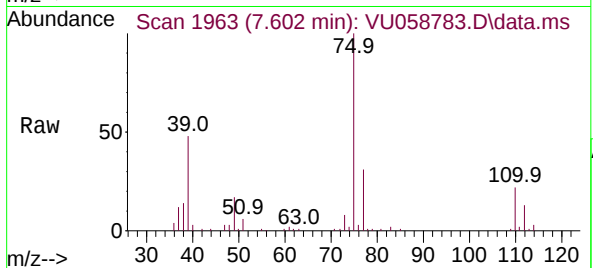




#39  
 cis-1,3-Dichloropropene  
 Concen: 4.797 ug/L  
 RT: 7.602 min Scan# 1963  
 Delta R.T. -0.000 min  
 Lab File: VU058783.D  
 Acq: 23 Apr 2024 14:56

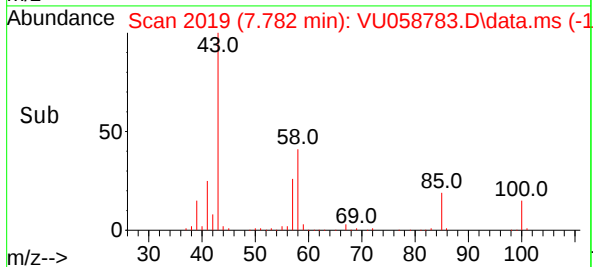
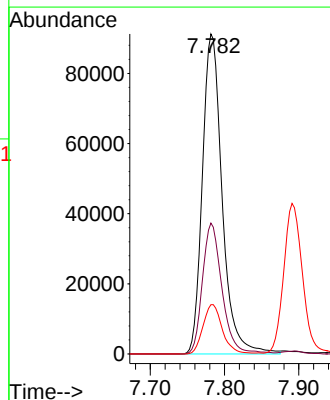
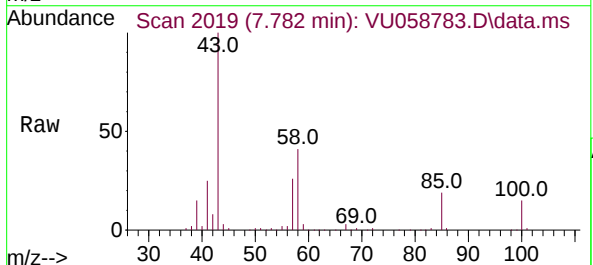
Instrument :  
 MSVOA\_U  
 ClientSampleId :

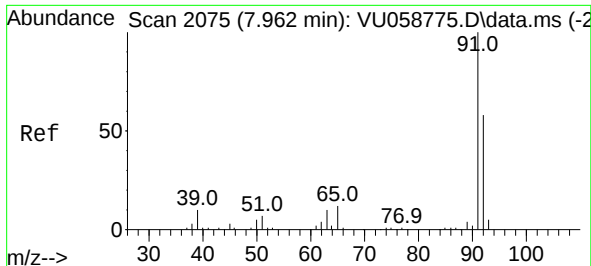
Tgt Ion: 75 Resp: 55435  
 Ion Ratio Lower Upper  
 75 100  
 77 31.3 21.9 40.7



#40  
 4-Methyl-2-pentanone  
 Concen: 45.870 ug/L  
 RT: 7.782 min Scan# 2019  
 Delta R.T. -0.000 min  
 Lab File: VU058783.D  
 Acq: 23 Apr 2024 14:56

Tgt Ion: 43 Resp: 169010  
 Ion Ratio Lower Upper  
 43 100  
 58 40.4 31.5 47.3  
 100 15.1 11.4 17.0





#42

Toluene

Concen: 4.895 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU058783.D

Acq: 23 Apr 2024 14:56

Instrument :

MSVOA\_U

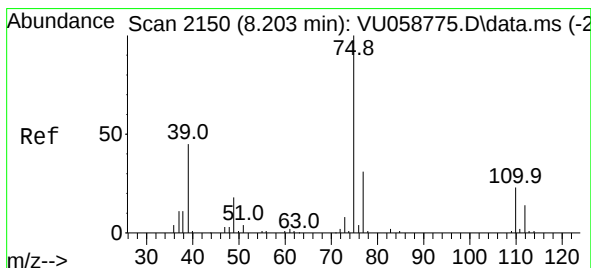
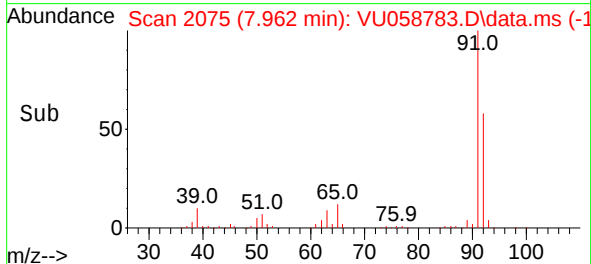
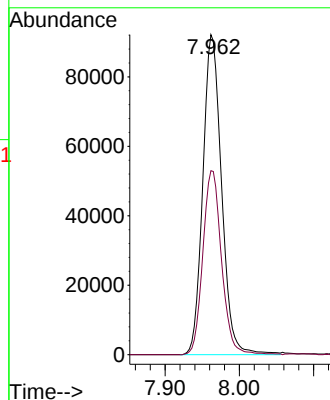
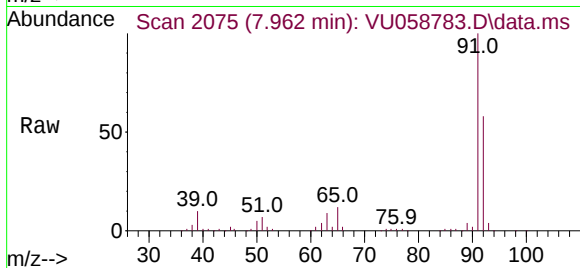
ClientSampleId :

Tgt Ion: 91 Resp: 161682

Ion Ratio Lower Upper

91 100

92 57.5 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 5.015 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.003 min

Lab File: VU058783.D

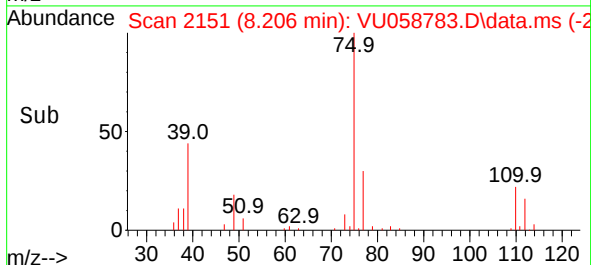
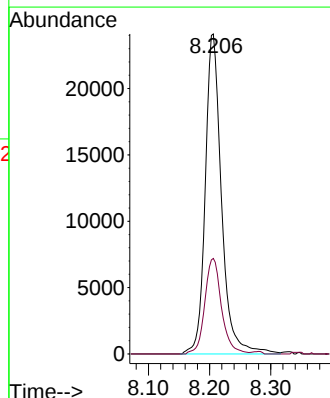
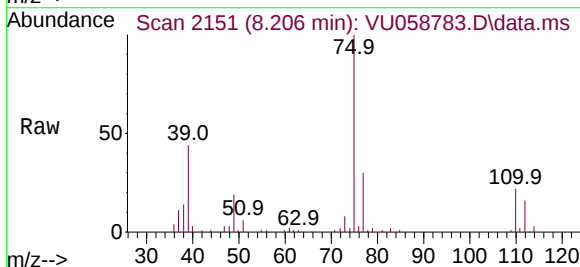
Acq: 23 Apr 2024 14:56

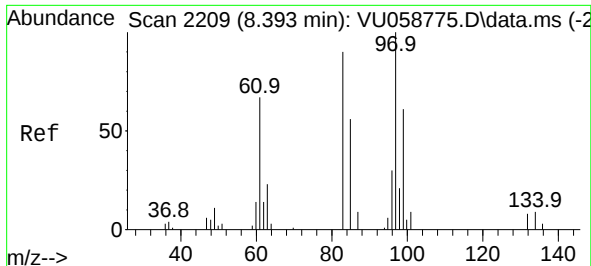
Tgt Ion: 75 Resp: 44618

Ion Ratio Lower Upper

75 100

77 29.8 22.1 41.1



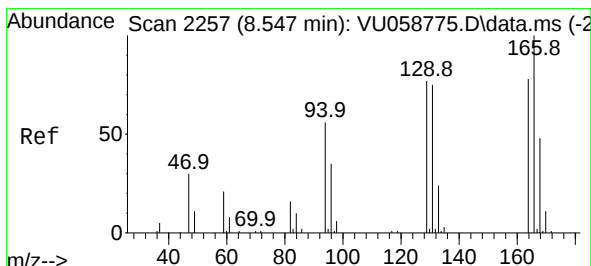
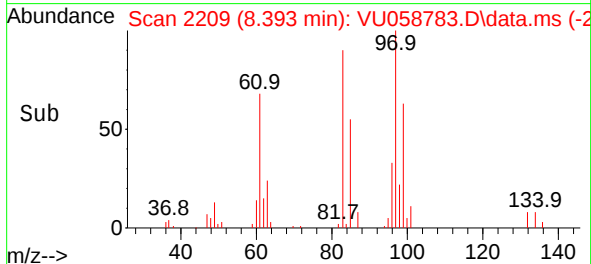
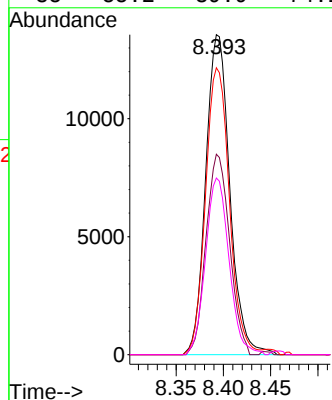
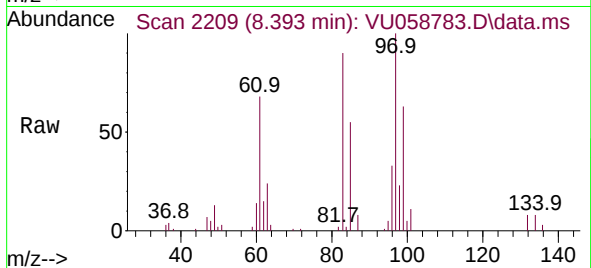


#45  
1,1,2-Trichloroethane  
Concen: 5.015 ug/L  
RT: 8.393 min Scan# 2209  
Delta R.T. -0.000 min  
Lab File: VU058783.D  
Acq: 23 Apr 2024 14:56

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 97 Resp: 24086

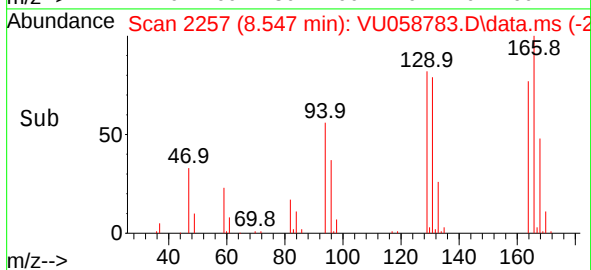
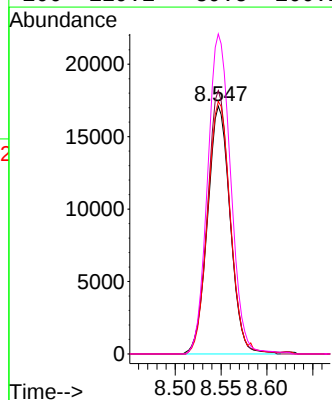
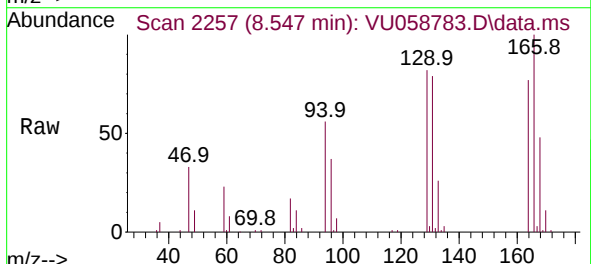
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 62.7  | 43.7  | 81.1  |
| 83  | 89.6  | 62.9  | 116.9 |
| 85  | 55.2  | 39.9  | 74.1  |

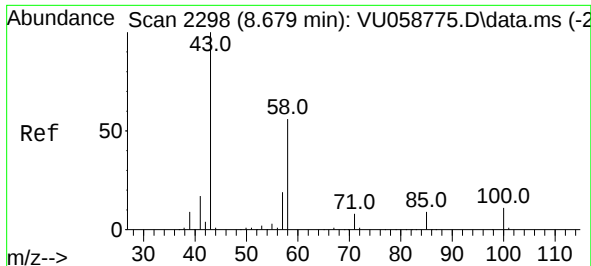


#47  
Tetrachloroethene  
Concen: 4.823 ug/L  
RT: 8.547 min Scan# 2257  
Delta R.T. -0.000 min  
Lab File: VU058783.D  
Acq: 23 Apr 2024 14:56

Tgt Ion: 164 Resp: 29433

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 106.3 | 71.5  | 132.9 |
| 131 | 101.9 | 65.0  | 120.6 |
| 166 | 129.1 | 89.5  | 166.1 |





#48

2-Hexanone

Concen: 44.487 ug/L

RT: 8.679 min Scan# 2298

Delta R.T. -0.000 min

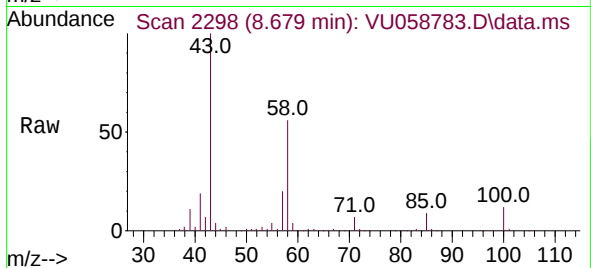
Lab File: VU058783.D

Acq: 23 Apr 2024 14:56

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion: 43 Resp: 116438

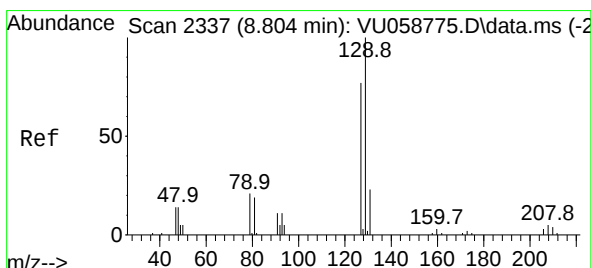
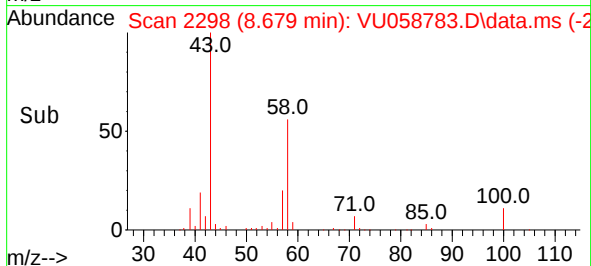
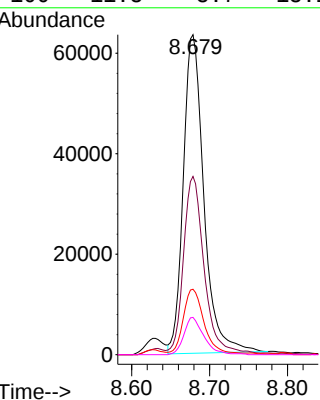
Ion Ratio Lower Upper

43 100

58 55.4 43.7 65.5

57 20.0 15.0 22.4

100 11.3 8.7 13.1



#49

Dibromochloromethane

Concen: 4.950 ug/L

RT: 8.804 min Scan# 2337

Delta R.T. -0.000 min

Lab File: VU058783.D

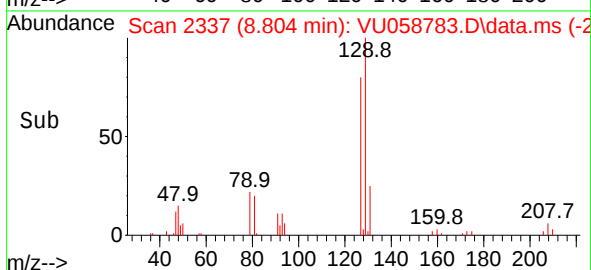
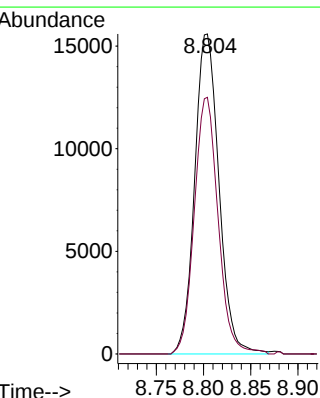
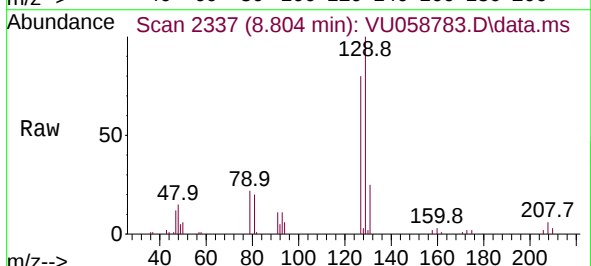
Acq: 23 Apr 2024 14:56

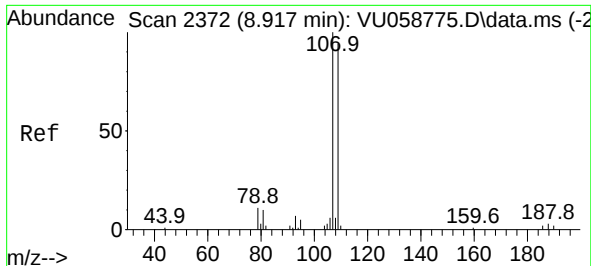
Tgt Ion: 129 Resp: 27848

Ion Ratio Lower Upper

129 100

127 80.2 51.0 94.8

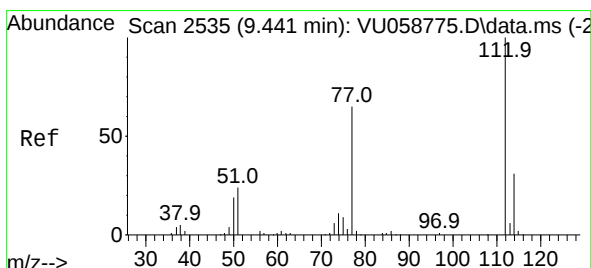
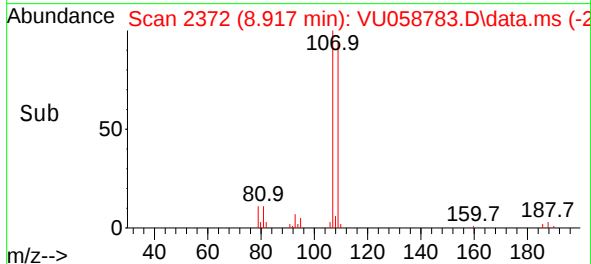
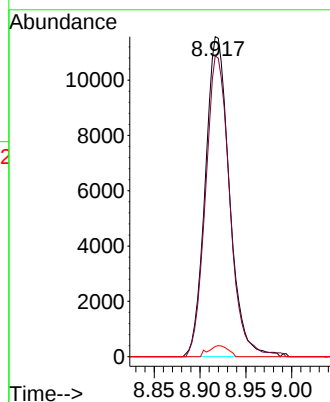
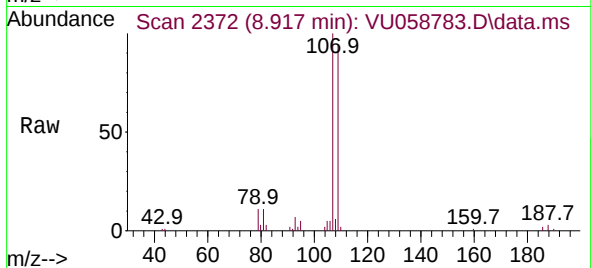




#50  
1,2-Dibromoethane  
Concen: 4.794 ug/L  
RT: 8.917 min Scan# 2372  
Delta R.T. -0.000 min  
Lab File: VU058783.D  
Acq: 23 Apr 2024 14:56

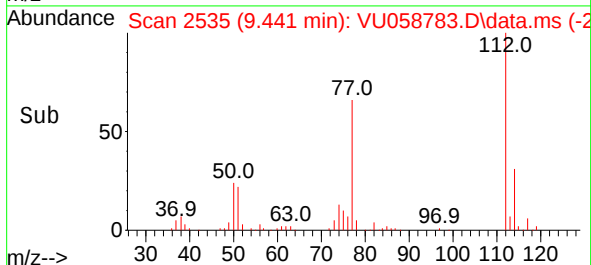
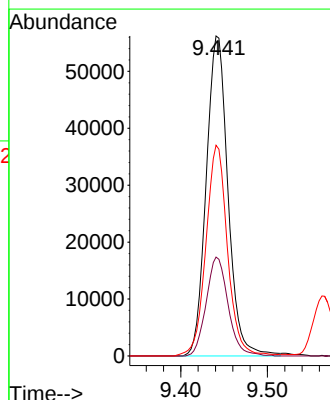
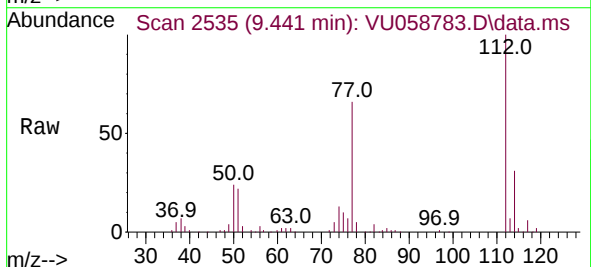
Instrument :  
MSVOA\_U  
ClientSampleId :

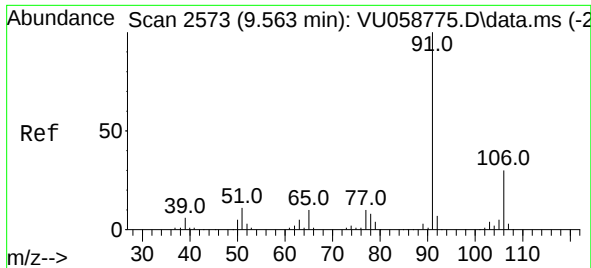
Tgt Ion:107 Resp: 21186  
Ion Ratio Lower Upper  
107 100  
109 94.0 62.3 115.7  
188 3.2 2.9 4.3



#51  
Chlorobenzene  
Concen: 4.878 ug/L  
RT: 9.441 min Scan# 2535  
Delta R.T. -0.000 min  
Lab File: VU058783.D  
Acq: 23 Apr 2024 14:56

Tgt Ion:112 Resp: 98150  
Ion Ratio Lower Upper  
112 100  
114 30.9 21.7 40.3  
77 65.9 50.5 75.7

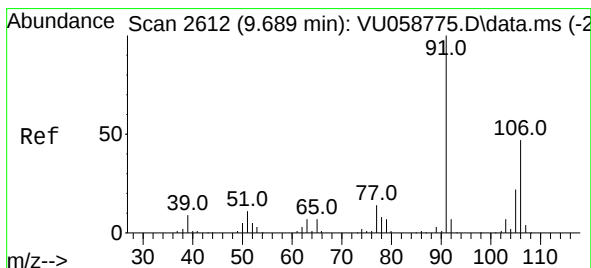
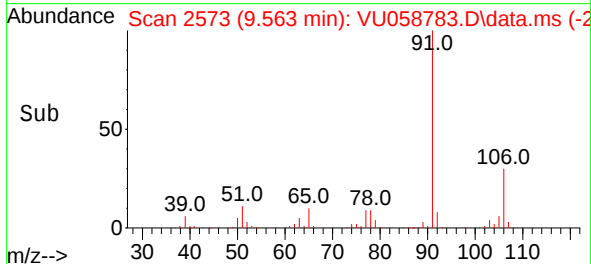
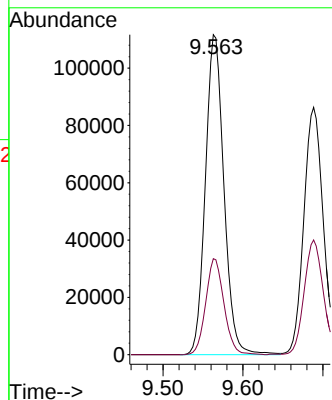
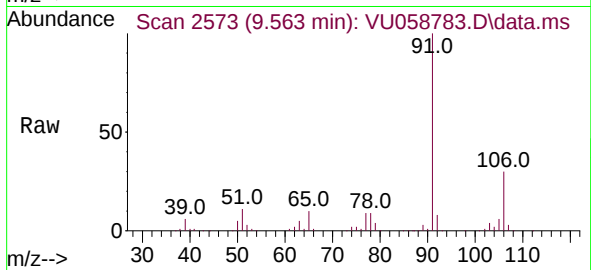




#52  
Ethylbenzene  
Concen: 4.947 ug/L  
RT: 9.563 min Scan# 2573  
Delta R.T. -0.000 min  
Lab File: VU058783.D  
Acq: 23 Apr 2024 14:56

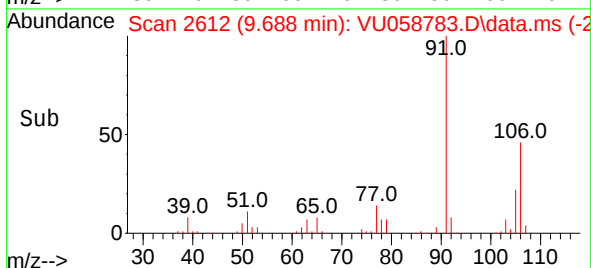
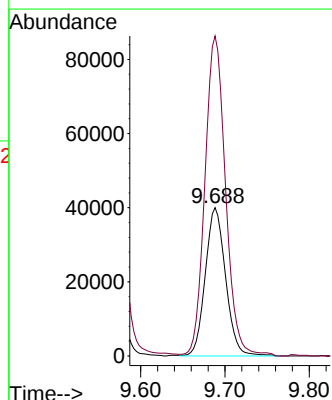
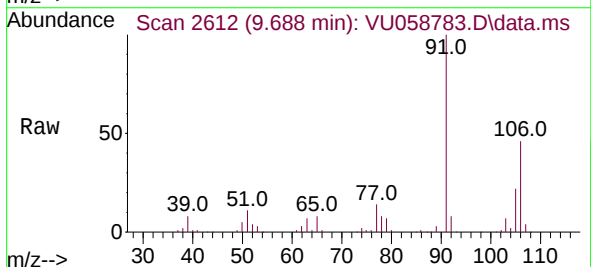
Instrument :  
MSVOA\_U  
ClientSampleId :

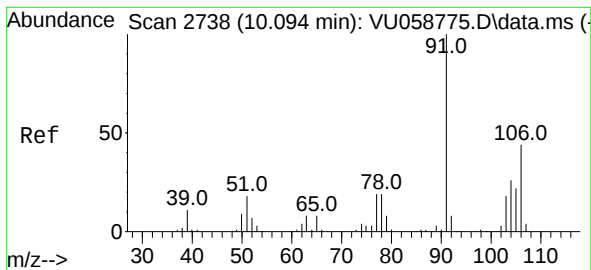
Tgt Ion: 91 Resp: 180206  
Ion Ratio Lower Upper  
91 100  
106 30.0 20.9 38.9



#53  
m,p-Xylene  
Concen: 5.025 ug/L  
RT: 9.688 min Scan# 2612  
Delta R.T. -0.000 min  
Lab File: VU058783.D  
Acq: 23 Apr 2024 14:56

Tgt Ion:106 Resp: 67226  
Ion Ratio Lower Upper  
106 100  
91 215.6 155.1 288.1





#54

o-Xylene

Concen: 5.024 ug/L

RT: 10.093 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU058783.D

Acq: 23 Apr 2024 14:56

Instrument :

MSVOA\_U

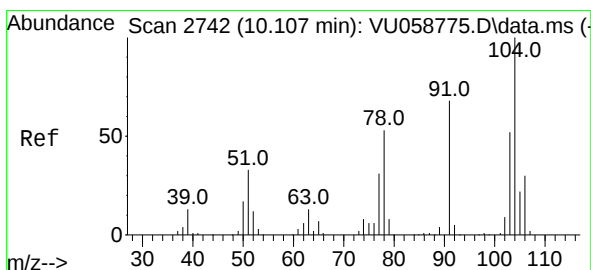
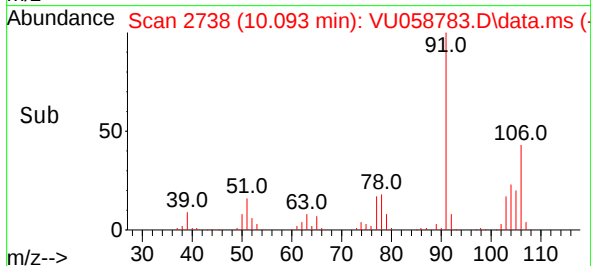
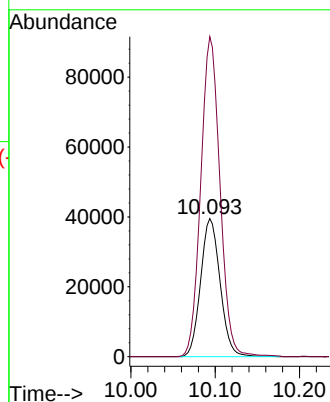
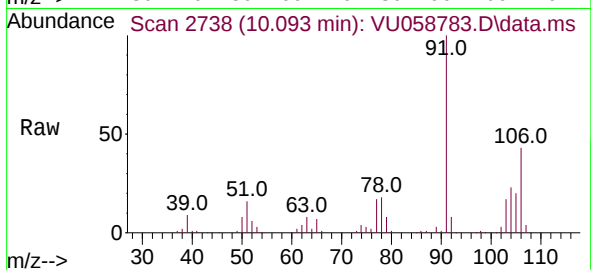
ClientSampleId :

Tgt Ion:106 Resp: 63722

Ion Ratio Lower Upper

106 100

91 231.7 163.7 304.1



#55

Styrene

Concen: 5.111 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.003 min

Lab File: VU058783.D

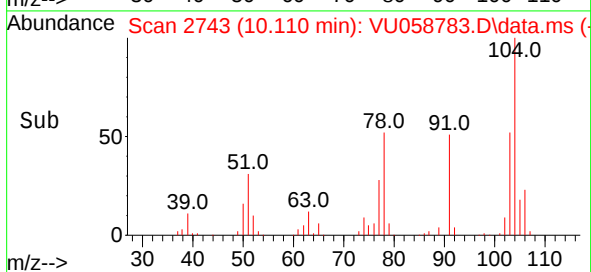
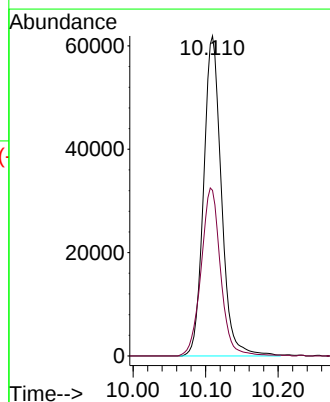
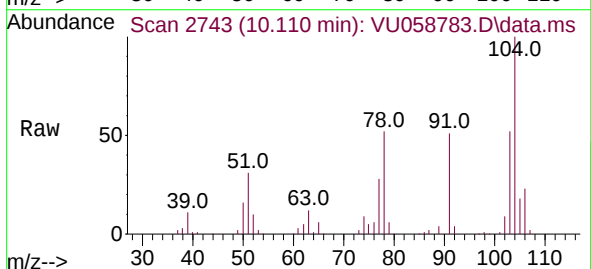
Acq: 23 Apr 2024 14:56

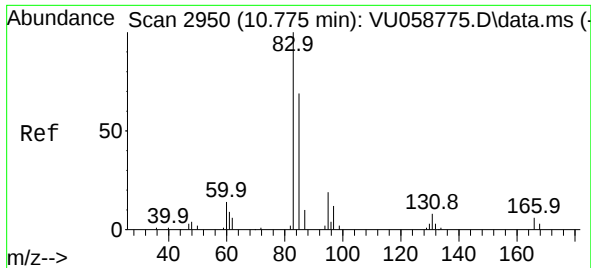
Tgt Ion:104 Resp: 105612

Ion Ratio Lower Upper

104 100

78 51.8 37.1 68.9

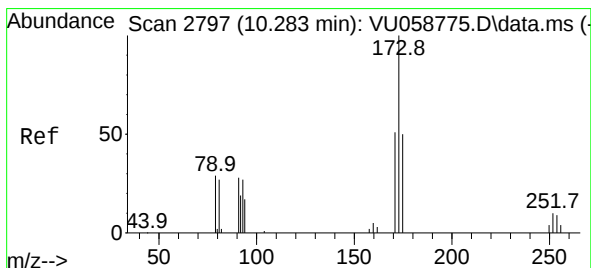
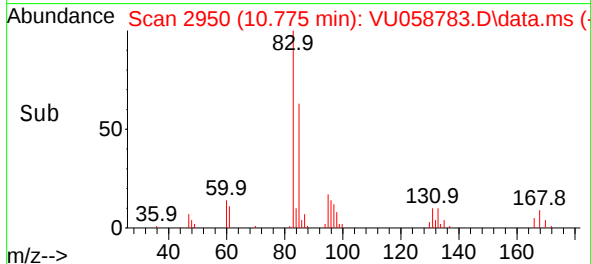
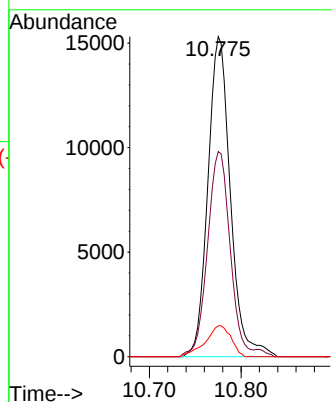
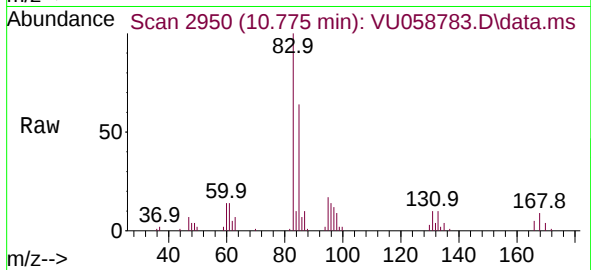




#57  
1,1,2,2-Tetrachloroethane  
Concen: 4.651 ug/L  
RT: 10.775 min Scan# 2950  
Delta R.T. -0.000 min  
Lab File: VU058783.D  
Acq: 23 Apr 2024 14:56

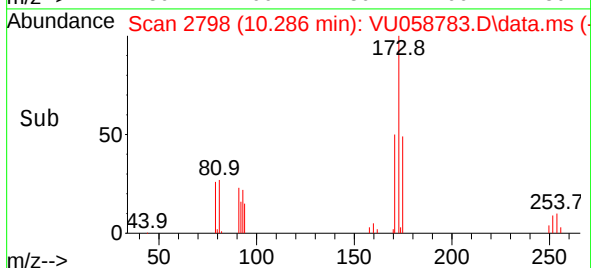
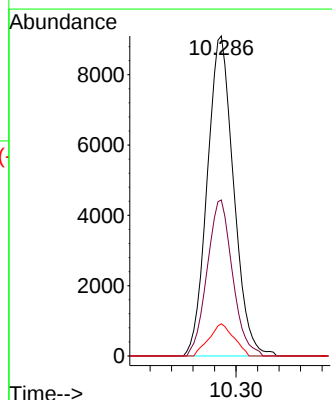
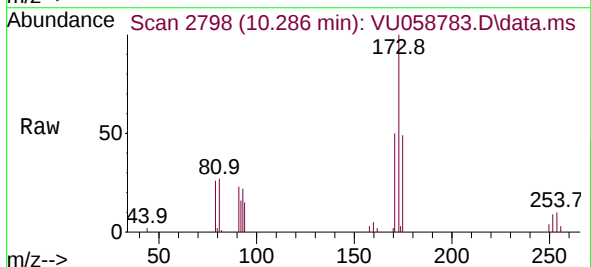
Instrument :  
MSVOA\_U  
ClientSampleId :

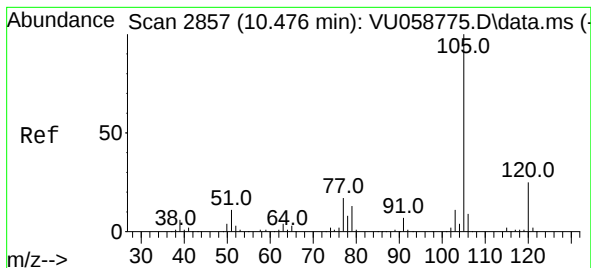
Tgt Ion: 83 Resp: 26037  
Ion Ratio Lower Upper  
83 100  
85 64.1 44.6 82.8  
131 9.7 6.7 10.1



#59  
Bromoform  
Concen: 4.748 ug/L  
RT: 10.286 min Scan# 2798  
Delta R.T. 0.003 min  
Lab File: VU058783.D  
Acq: 23 Apr 2024 14:56

Tgt Ion:173 Resp: 15511  
Ion Ratio Lower Upper  
173 100  
175 46.9 39.3 58.9  
254 9.4 7.5 11.3





#60

Isopropylbenzene

Concen: 4.828 ug/L

RT: 10.479 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU058783.D

Acq: 23 Apr 2024 14:56

Instrument :

MSVOA\_U

ClientSampleId :

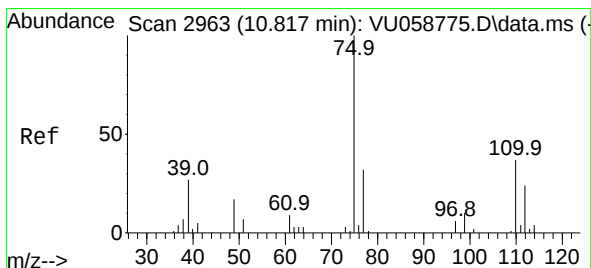
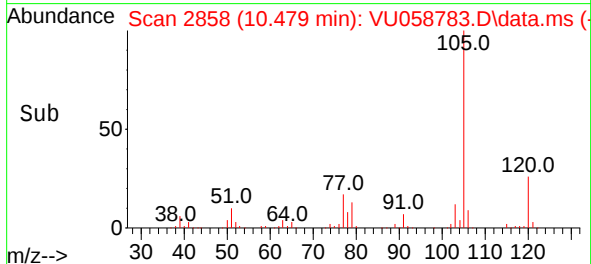
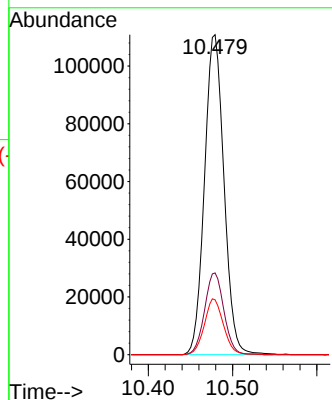
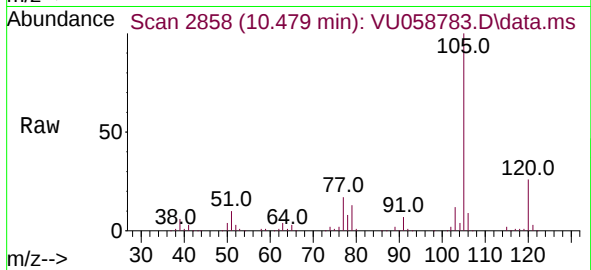
Tgt Ion:105 Resp: 178646

Ion Ratio Lower Upper

105 100

120 25.4 19.6 29.4

77 17.1 13.8 20.8



#61

1,2,3-Trichloropropane

Concen: 4.643 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. -0.000 min

Lab File: VU058783.D

Acq: 23 Apr 2024 14:56

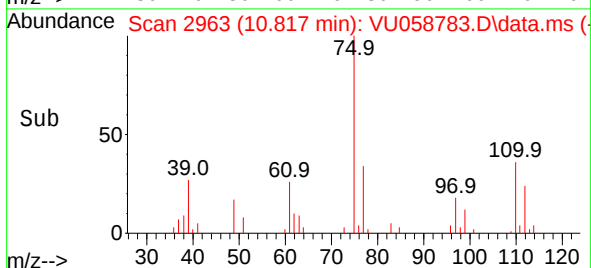
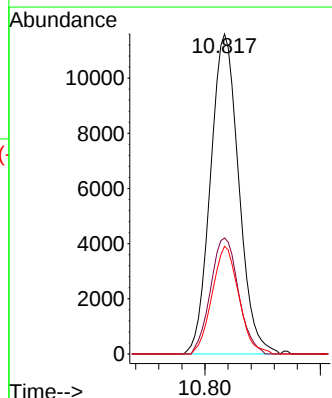
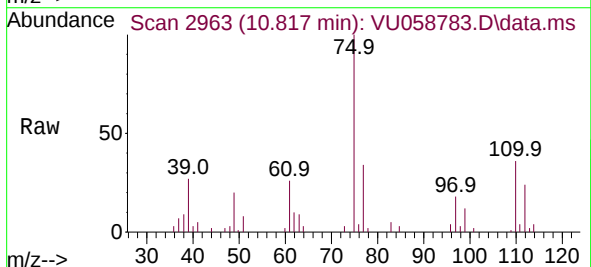
Tgt Ion: 75 Resp: 19711

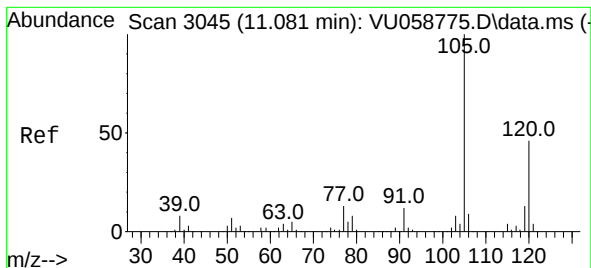
Ion Ratio Lower Upper

75 100

110 35.7 28.6 43.0

77 31.8 25.4 38.2





#62

1,3,5-Trimethylbenzene

Concen: 4.893 ug/L

RT: 11.084 min Scan# 3045

Delta R.T. 0.003 min

Lab File: VU058783.D

Acq: 23 Apr 2024 14:56

Instrument :

MSVOA\_U

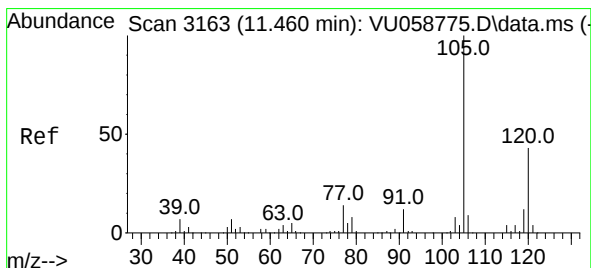
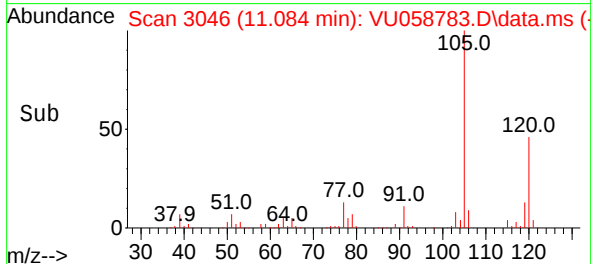
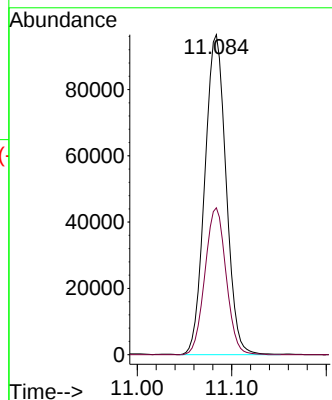
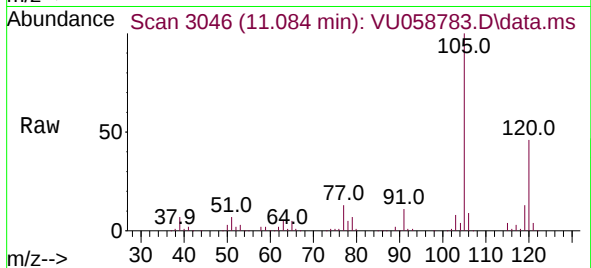
ClientSampleId :

Tgt Ion:105 Resp: 150677

Ion Ratio Lower Upper

105 100

120 45.7 36.2 54.4



#63

1,2,4-Trimethylbenzene

Concen: 5.034 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.003 min

Lab File: VU058783.D

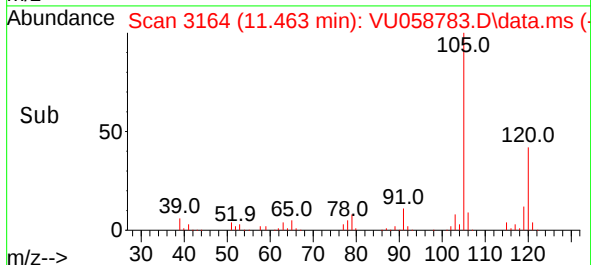
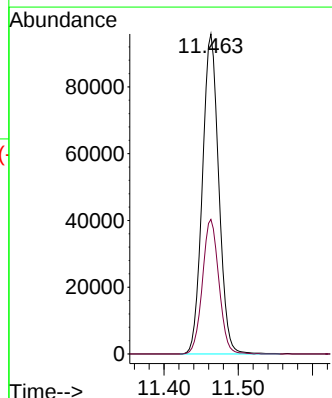
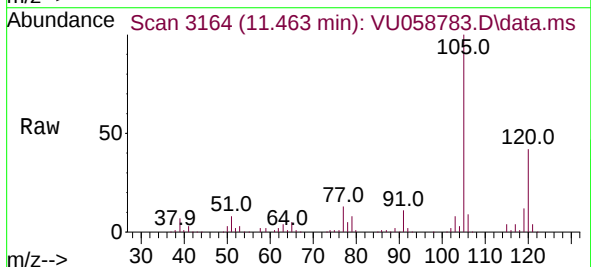
Acq: 23 Apr 2024 14:56

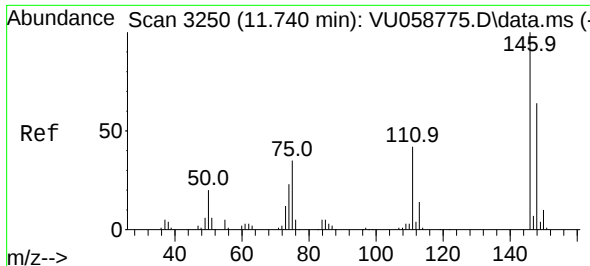
Tgt Ion:105 Resp: 146672

Ion Ratio Lower Upper

105 100

120 42.2 33.4 50.0

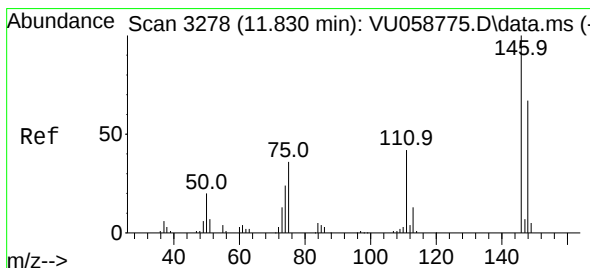
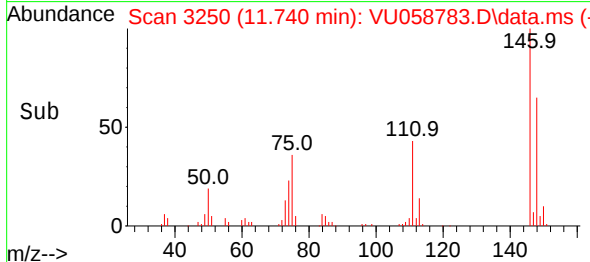
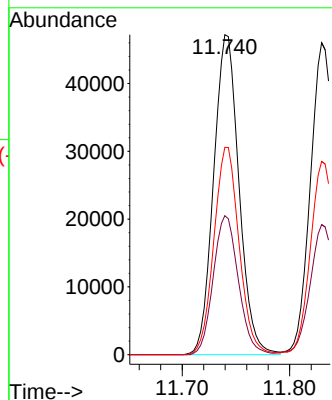
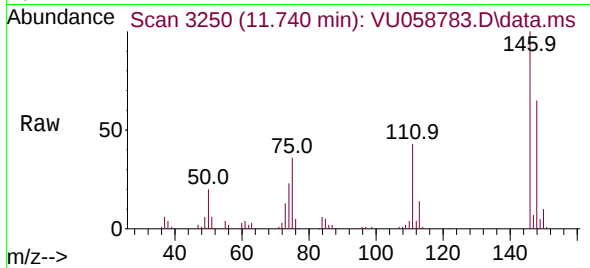




#64  
1,3-Dichlorobenzene  
Concen: 4.855 ug/L  
RT: 11.740 min Scan# 3250  
Delta R.T. -0.000 min  
Lab File: VU058783.D  
Acq: 23 Apr 2024 14:56

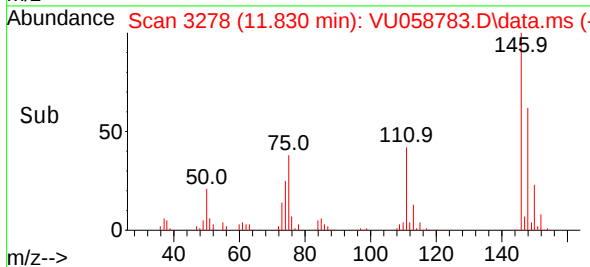
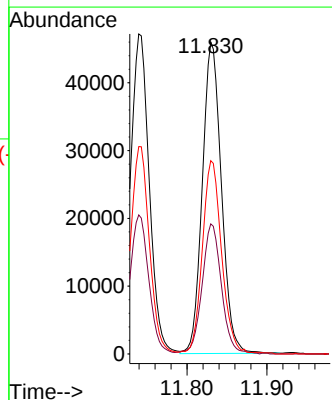
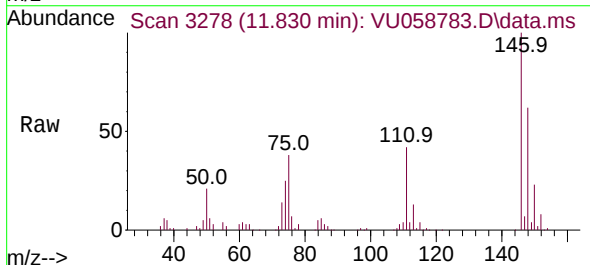
Instrument :  
MSVOA\_U  
ClientSampleId :

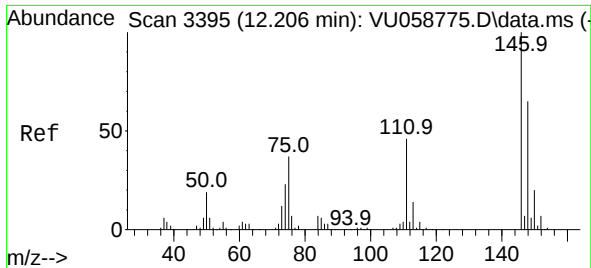
Tgt Ion:146 Resp: 77432  
Ion Ratio Lower Upper  
146 100  
111 43.5 30.9 57.3  
148 64.8 44.2 82.0



#65  
1,4-Dichlorobenzene  
Concen: 4.908 ug/L  
RT: 11.830 min Scan# 3278  
Delta R.T. -0.000 min  
Lab File: VU058783.D  
Acq: 23 Apr 2024 14:56

Tgt Ion:146 Resp: 76381  
Ion Ratio Lower Upper  
146 100  
111 41.7 29.3 54.3  
148 61.9 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 4.963 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU058783.D

Acq: 23 Apr 2024 14:56

Instrument :

MSVOA\_U

ClientSampleId :

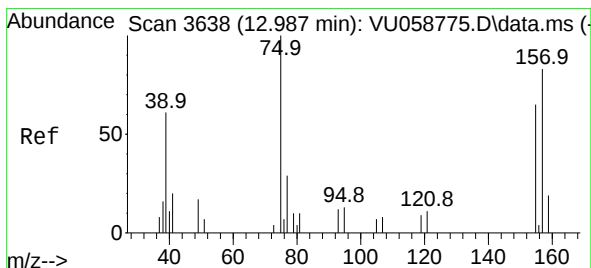
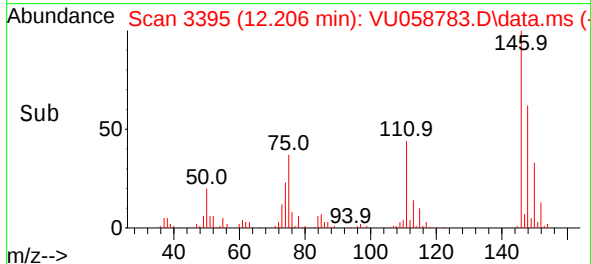
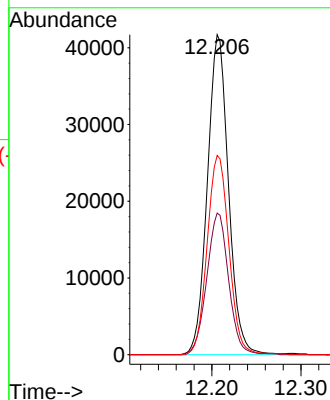
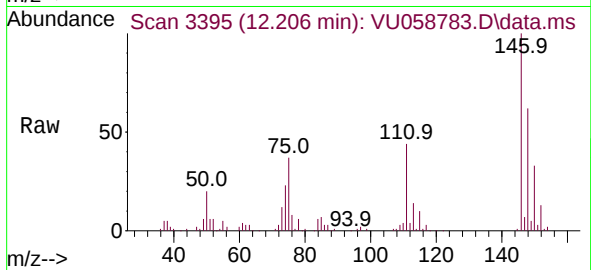
Tgt Ion:146 Resp: 68521

Ion Ratio Lower Upper

146 100

111 44.3 35.7 53.5

148 62.3 51.6 77.4



#68

1,2-Dibromo-3-chloropropane

Concen: 5.781 ug/L

RT: 12.990 min Scan# 3639

Delta R.T. 0.003 min

Lab File: VU058783.D

Acq: 23 Apr 2024 14:56

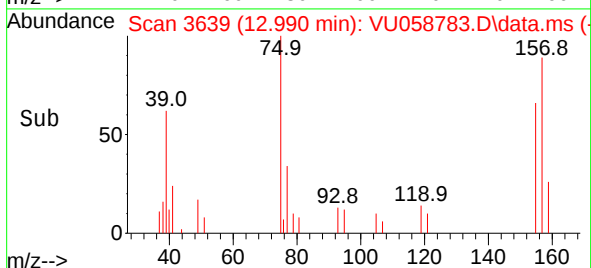
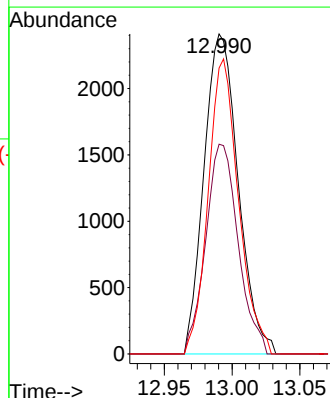
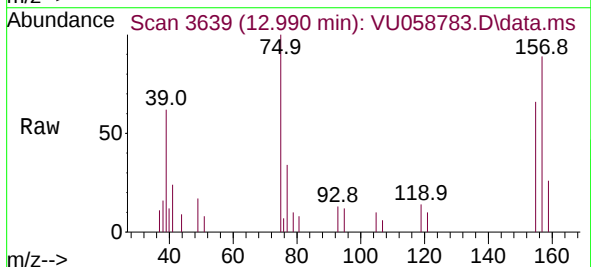
Tgt Ion: 75 Resp: 4241

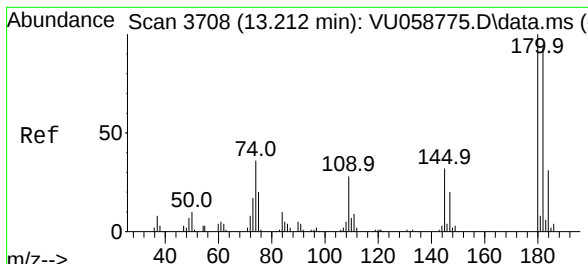
Ion Ratio Lower Upper

75 100

155 65.5 53.6 80.4

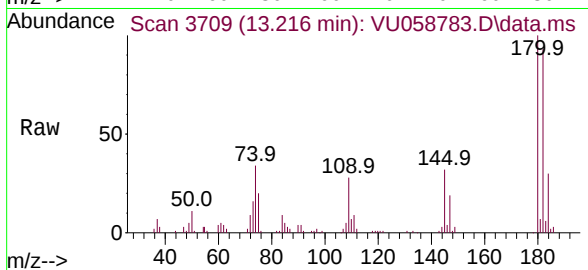
157 89.3 68.7 103.1



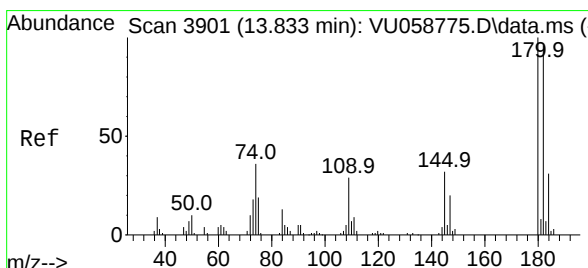
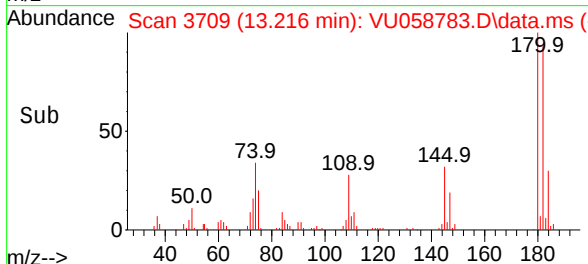
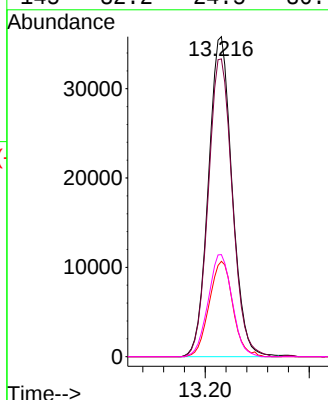


#69  
 1,3,5-Trichlorobenzene  
 Concen: 4.967 ug/L  
 RT: 13.216 min Scan# 31  
 Delta R.T. 0.003 min  
 Lab File: VU058783.D  
 Acq: 23 Apr 2024 14:56

Instrument :  
 MSVOA\_U  
 ClientSampleId :

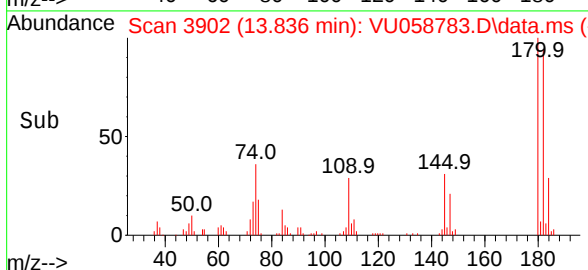
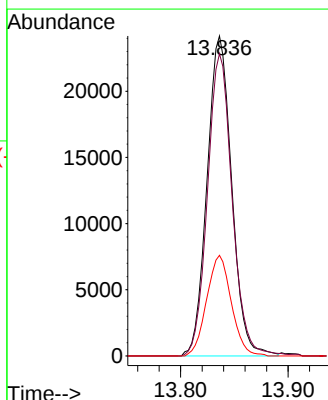
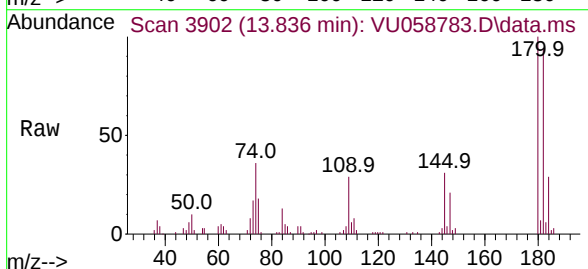


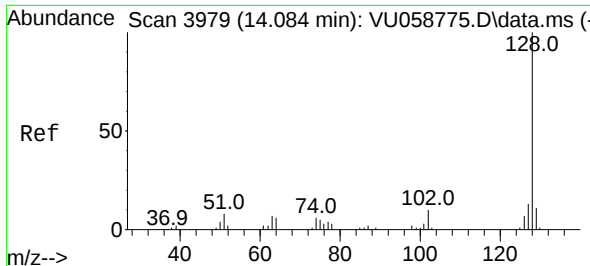
Tgt Ion:180 Resp: 56665  
 Ion Ratio Lower Upper  
 180 100  
 182 94.7 75.9 113.9  
 184 29.9 24.7 37.1  
 145 32.2 24.5 36.7



#70  
 1,2,4-trichlorobenzene  
 Concen: 4.861 ug/L  
 RT: 13.836 min Scan# 3902  
 Delta R.T. 0.003 min  
 Lab File: VU058783.D  
 Acq: 23 Apr 2024 14:56

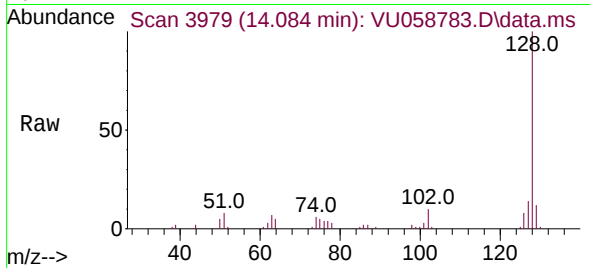
Tgt Ion:180 Resp: 38553  
 Ion Ratio Lower Upper  
 180 100  
 182 94.4 75.9 113.9  
 145 31.4 25.7 38.5



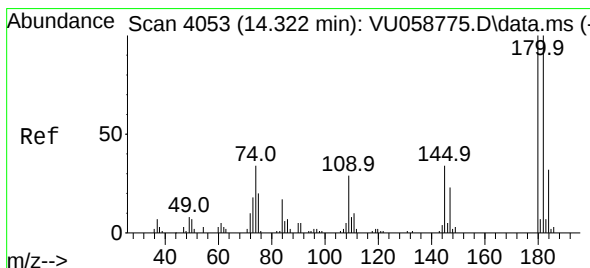
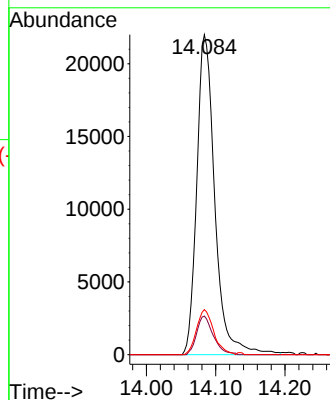
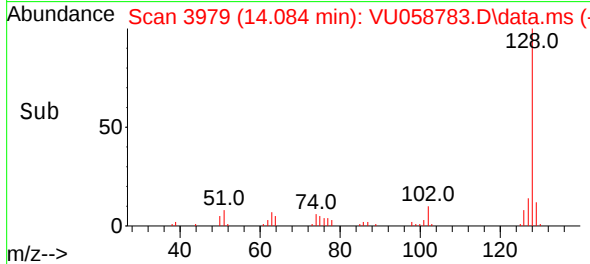


#71  
Naphthalene  
Concen: 4.154 ug/L  
RT: 14.084 min Scan# 3979  
Delta R.T. -0.000 min  
Lab File: VU058783.D  
Acq: 23 Apr 2024 14:56

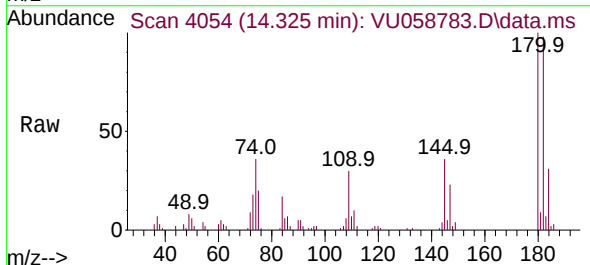
Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion:128 Resp: 39862  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.2 12.4  
127 13.4 10.8 16.2



#72  
1,2,3-Trichlorobenzene  
Concen: 4.702 ug/L  
RT: 14.325 min Scan# 4054  
Delta R.T. 0.003 min  
Lab File: VU058783.D  
Acq: 23 Apr 2024 14:56



Tgt Ion:180 Resp: 29557  
Ion Ratio Lower Upper  
180 100  
182 94.8 75.0 112.6  
145 33.7 27.6 41.4

