

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU042224\  
 Data File : VU058764.D  
 Acq On : 22 Apr 2024 12:01  
 Operator : MD/SY  
 Sample : VSTD001  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Apr 22 23:38:25 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR042224WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Apr 22 23:37:12 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| Internal Standards            |        |      |          |       |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114  | 94035    | 5.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117  | 90887    | 5.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152  | 40272    | 5.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |       |        |          |
| 4) Vinyl Chloride-d3          | 1.592  | 65   | 7761     | 1.184 | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.907  | 69   | 5616     | 1.019 | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65   | 3679     | 1.207 | ug/L   | 0.00     |
| 20) 2-Butanone-d5             | 4.644  | 46   | 11522    | 8.608 | ug/L   | 0.02     |
| 24) Chloroform-d              | 5.052  | 84   | 15149    | 1.149 | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.698  | 65   | 7339     | 1.174 | ug/L   | 0.00     |
| 32) Benzene-d6                | 5.721  | 84   | 27833    | 1.076 | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67   | 8484     | 1.059 | ug/L   | 0.00     |
| 41) Toluene-d8                | 7.894  | 98   | 24775    | 1.074 | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.180  | 79   | 2894     | 1.117 | ug/L   | 0.00     |
| 46) 2-Hexanone-d5             | 8.634  | 63   | 7565     | 7.587 | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84   | 5128     | 0.920 | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152  | 7032     | 1.002 | ug/L   | 0.00     |
| Target Compounds              |        |      |          |       |        |          |
|                               |        |      |          |       |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.377  | 85   | 8916     | 1.053 | ug/L   | 98       |
| 3) Chloromethane              | 1.512  | 50   | 7228     | 0.766 | ug/L   | 98       |
| 5) Vinyl chloride             | 1.595  | 62   | 7088     | 0.752 | ug/L   | 98       |
| 6) Bromomethane               | 1.849  | 94   | 4042     | 0.863 | ug/L   | 99       |
| 8) Chloroethane               | 1.927  | 64   | 3939     | 0.671 | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 2.132  | 101  | 11352    | 0.884 | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573  | 101  | 6664     | 0.869 | ug/L   | 100      |
| 12) 1,1-Dichloroethene        | 2.573  | 96   | 5861     | 0.862 | ug/L   | 86       |
| 13) Acetone                   | 2.653  | 43   | 7152     | 6.495 | ug/L   | 99       |
| 14) Carbon disulfide          | 2.785  | 76   | 20288    | 0.921 | ug/L   | 95       |
| 15) Methyl Acetate            | 2.956  | 43   | 1619     | 0.626 | ug/L # | 88       |
| 16) Methylene chloride        | 3.036  | 84   | 6335     | 0.726 | ug/L   | 94       |
| 17) Methyl tert-butyl Ether   | 3.354  | 73   | 12583    | 0.788 | ug/L   | 97       |
| 18) trans-1,2-Dichloroethene  | 3.348  | 96   | 5666     | 0.801 | ug/L   | 89       |
| 19) 1,1-Dichloroethane        | 3.859  | 63   | 12431    | 0.807 | ug/L   | 97       |
| 21) 2-Butanone                | 4.727  | 43   | 9369     | 5.688 | ug/L   | 86       |
| 22) cis-1,2-Dichloroethene    | 4.656  | 96   | 6327     | 0.802 | ug/L   | 98       |
| 23) Bromochloromethane        | 4.968  | 128  | 2605     | 0.837 | ug/L   | 90       |
| 25) Chloroform                | 5.078  | 83   | 13496    | 0.897 | ug/L   | 92       |
| 27) 1,2-Dichloroethane        | 5.791  | 62   | 7686     | 0.842 | ug/L   | 99       |
| 29) 1,1,1-Trichloroethane     | 5.306  | 97   | 11248    | 0.885 | ug/L   | 98       |
| 30) Cyclohexane               | 5.383  | 56   | 10260    | 0.782 | ug/L   | 97       |
| 31) Carbon tetrachloride      | 5.518  | 117  | 9914     | 0.914 | ug/L   | 99       |
| 33) Benzene                   | 5.769  | 78   | 25419    | 0.764 | ug/L   | 100      |
| 34) Trichloroethene           | 6.537  | 95   | 7136     | 0.839 | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.756  | 83   | 10487    | 0.821 | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 6.788  | 63   | 6889     | 0.793 | ug/L # | 91       |
| 38) Bromodichloromethane      | 7.100  | 83   | 8274     | 0.818 | ug/L # | 99       |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 8799     | 0.776 | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 7.788  | 43   | 27775    | 6.837 | ug/L   | 99       |
| 42) Toluene                   | 7.965  | 91   | 26095    | 0.748 | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 8.209  | 75   | 6789     | 0.765 | ug/L   | 92       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU042224\  
 Data File : VU058764.D  
 Acq On : 22 Apr 2024 12:01  
 Operator : MD/SY  
 Sample : VSTD001  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

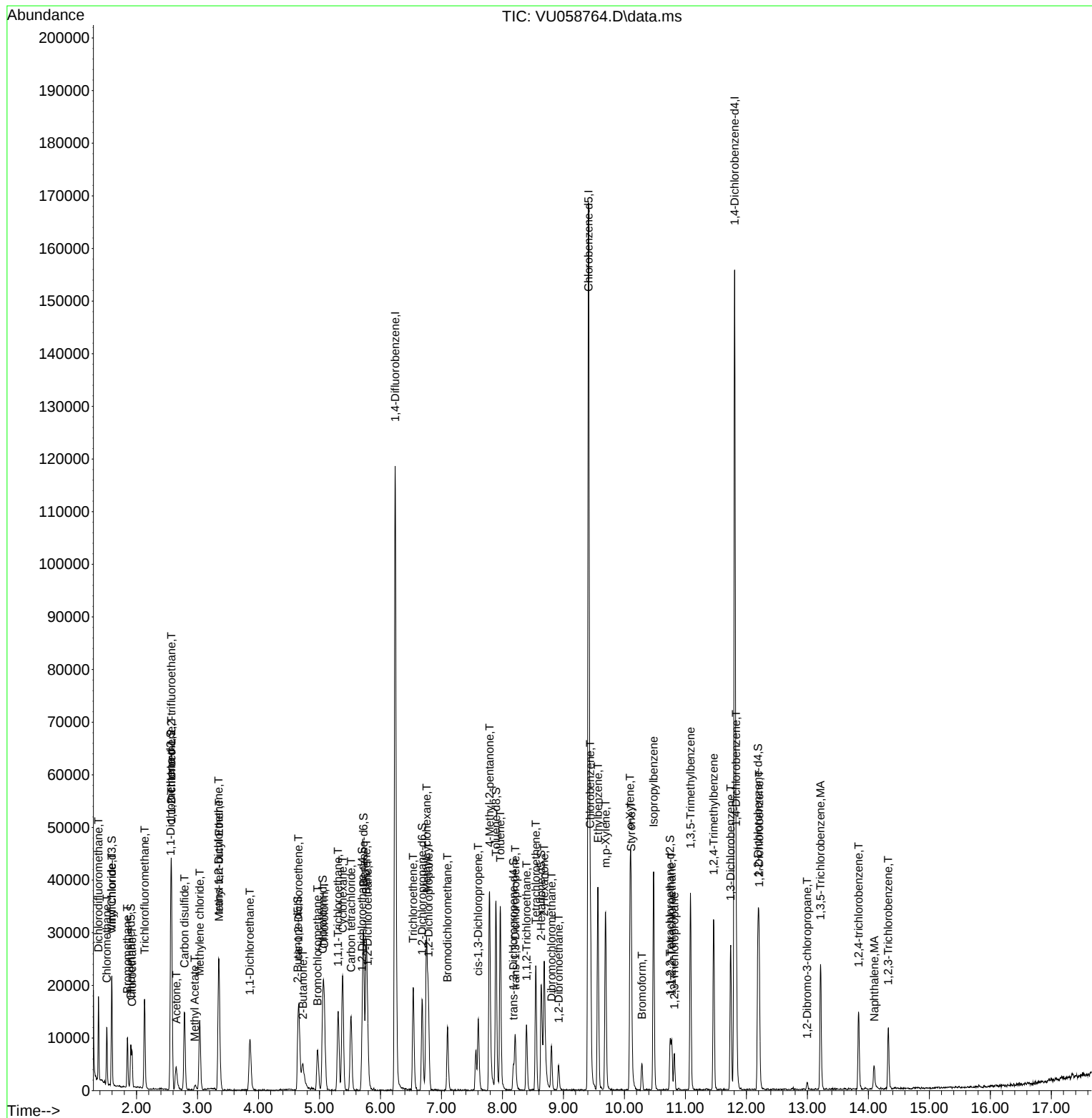
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR042224WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Apr 22 23:37:12 2024  
 Response via : Initial Calibration

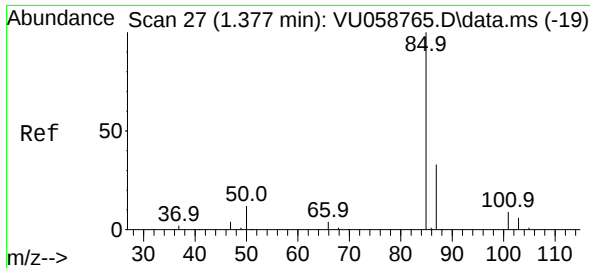
| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| 45) 1,1,2-Trichloroethane     | 8.396  | 97   | 3586     | 0.703 | ug/L   | 85       |
| 47) Tetrachloroethene         | 8.550  | 164  | 5230     | 0.844 | ug/L   | 93       |
| 48) 2-Hexanone                | 8.685  | 43   | 18113    | 6.305 | ug/L   | 98       |
| 49) Dibromochloromethane      | 8.804  | 129  | 4647     | 0.787 | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 8.923  | 107  | 3543     | 0.759 | ug/L # | 93       |
| 51) Chlorobenzene             | 9.441  | 112  | 16394    | 0.779 | ug/L   | 94       |
| 52) Ethylbenzene              | 9.566  | 91   | 28117    | 0.756 | ug/L   | 99       |
| 53) m,p-Xylene                | 9.692  | 106  | 10236    | 0.769 | ug/L   | 78       |
| 54) o-Xylene                  | 10.094 | 106  | 9643     | 0.744 | ug/L   | 90       |
| 55) Styrene                   | 10.113 | 104  | 14627    | 0.696 | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 4631     | 0.746 | ug/L # | 99       |
| 59) Bromoform                 | 10.286 | 173  | 2397     | 0.883 | ug/L # | 92       |
| 60) Isopropylbenzene          | 10.479 | 105  | 26057    | 0.864 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.820 | 75   | 3160     | 0.781 | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 21300    | 0.864 | ug/L   | 95       |
| 63) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 18674    | 0.750 | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.743 | 146  | 11523    | 0.802 | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 11.833 | 146  | 11401    | 0.813 | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 12.209 | 146  | 10224    | 0.789 | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.997 | 75   | 541      | 0.759 | ug/L   | 94       |
| 69) 1,3,5-Trichlorobenzene    | 13.216 | 180  | 7852     | 0.742 | ug/L   | 95       |
| 70) 1,2,4-trichlorobenzene    | 13.839 | 180  | 5031     | 0.620 | ug/L   | 96       |
| 71) Naphthalene               | 14.097 | 128  | 4999     | 0.454 | ug/L   | 97       |
| 72) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 4046     | 0.607 | ug/L   | 98       |
| -----                         |        |      |          |       |        |          |

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

**Instrument :**  
MSVOA\_U  
**ClientSampleId :**

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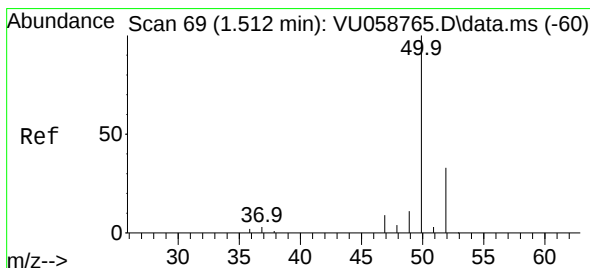
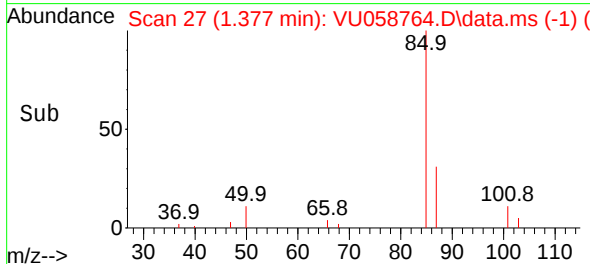
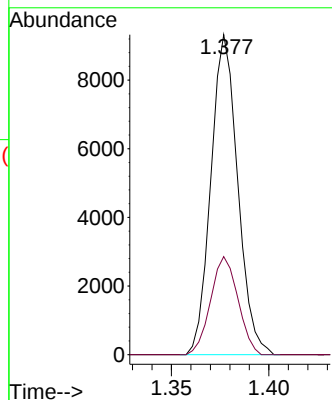
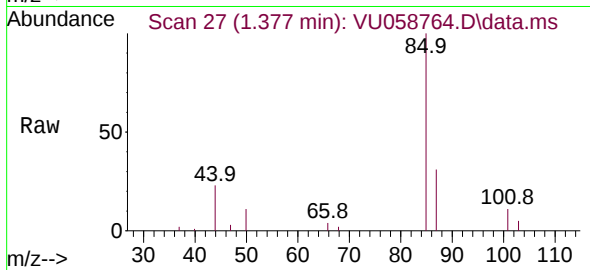




#2  
Dichlorodifluoromethane  
Concen: 1.053 ug/L  
RT: 1.377 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU058764.D  
Acq: 22 Apr 2024 12:01

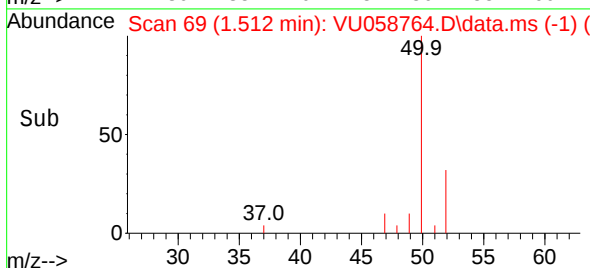
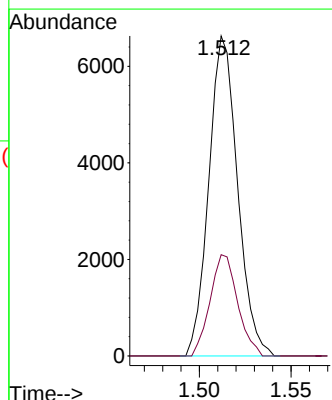
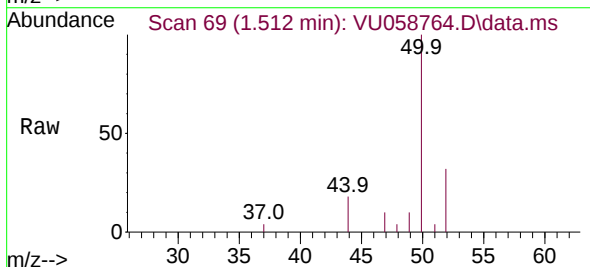
Instrument :  
MSVOA\_U  
ClientSampleId :

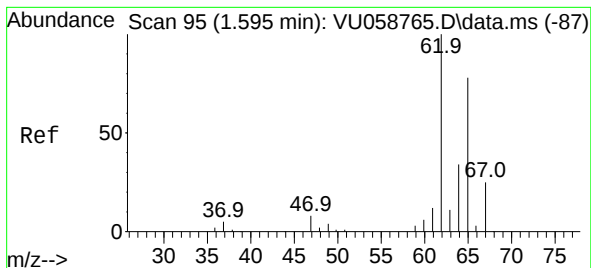
Tgt Ion: 85 Resp: 8916  
Ion Ratio Lower Upper  
85 100  
87 31.2 26.0 39.0



#3  
Chloromethane  
Concen: 0.766 ug/L  
RT: 1.512 min Scan# 69  
Delta R.T. 0.000 min  
Lab File: VU058764.D  
Acq: 22 Apr 2024 12:01

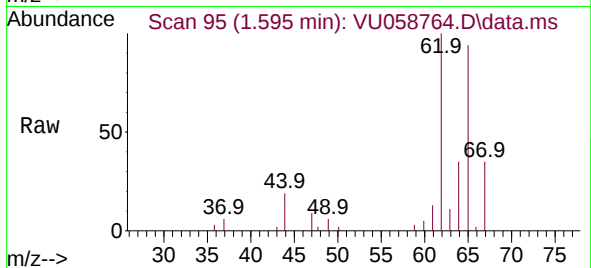
Tgt Ion: 50 Resp: 7228  
Ion Ratio Lower Upper  
50 100  
52 31.6 23.0 42.8



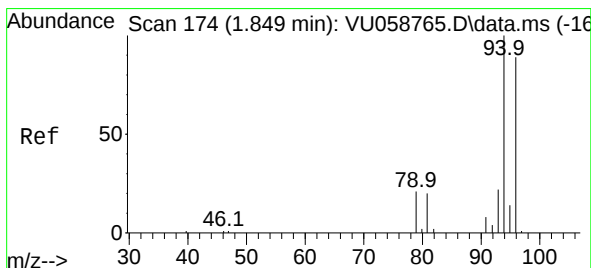
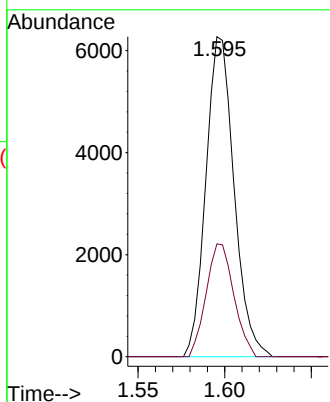
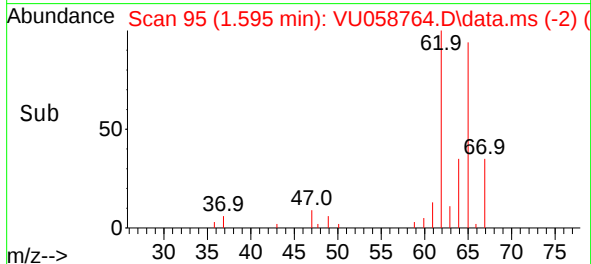


#5  
 Vinyl chloride  
 Concen: 0.752 ug/L  
 RT: 1.595 min Scan# 95  
 Delta R.T. 0.000 min  
 Lab File: VU058764.D  
 Acq: 22 Apr 2024 12:01

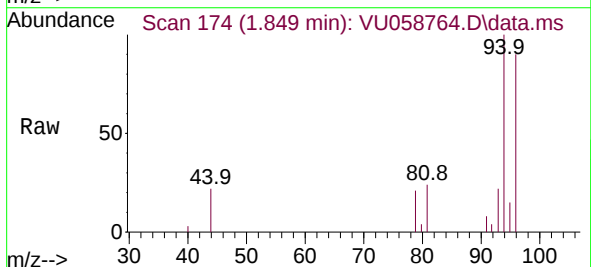
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 MSVOA\_U  
 ClientSampleId :



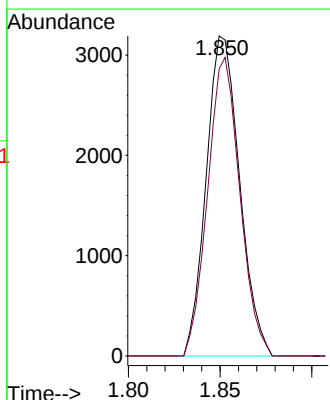
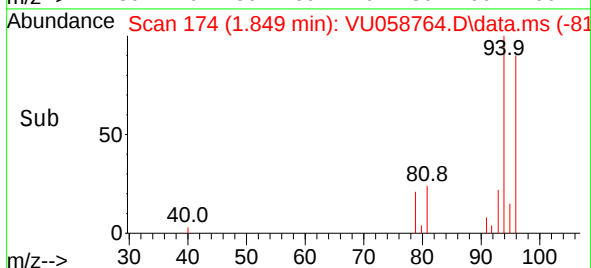
Tgt Ion: 62 Resp: 7088  
 Ion Ratio Lower Upper  
 62 100  
 64 35.3 23.8 44.2

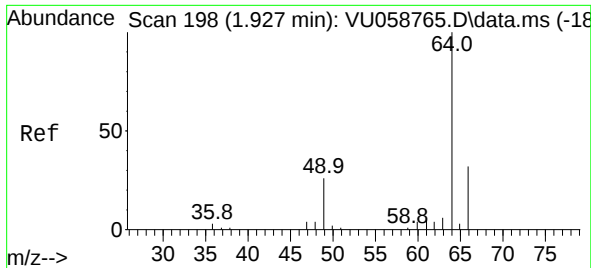


#6  
 Bromomethane  
 Concen: 0.863 ug/L  
 RT: 1.849 min Scan# 174  
 Delta R.T. 0.000 min  
 Lab File: VU058764.D  
 Acq: 22 Apr 2024 12:01



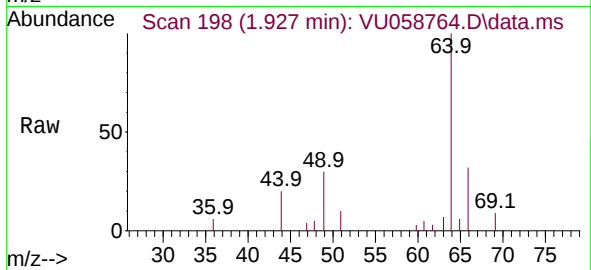
Tgt Ion: 94 Resp: 4042  
 Ion Ratio Lower Upper  
 94 100  
 96 89.7 62.2 115.6



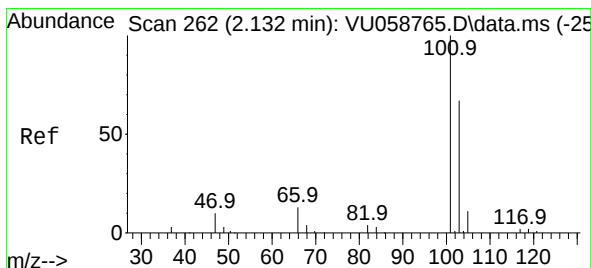
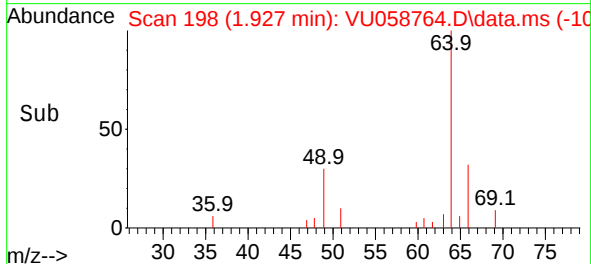
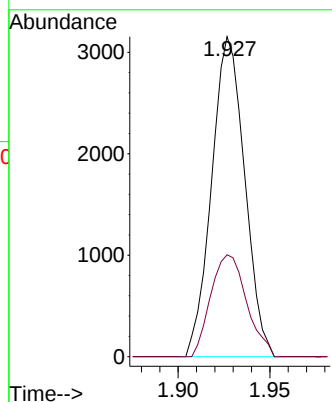


#8  
Chloroethane  
Concen: 0.671 ug/L  
RT: 1.927 min Scan# 198  
Delta R.T. 0.000 min  
Lab File: VU058764.D  
Acq: 22 Apr 2024 12:01

Instrument :  
MSVOA\_U  
ClientSampleId :

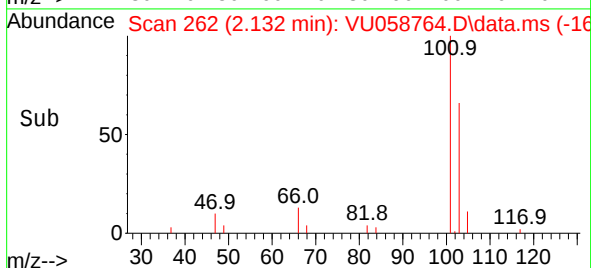
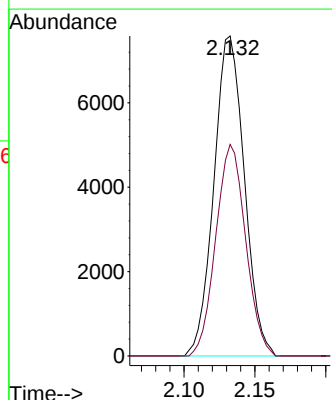
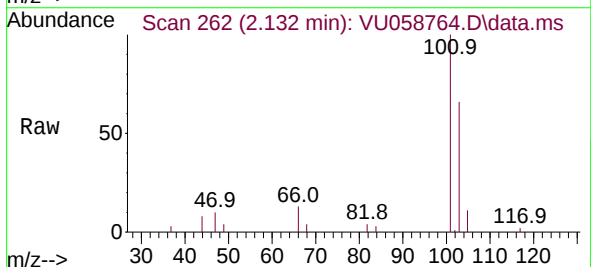


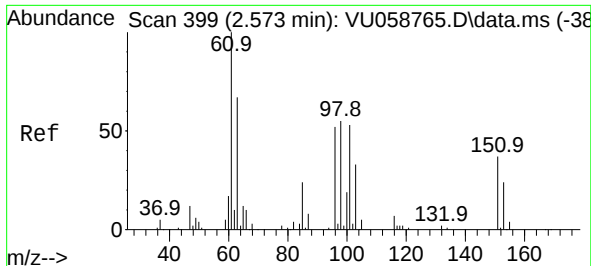
Tgt Ion: 64 Resp: 3939  
Ion Ratio Lower Upper  
64 100  
66 31.9 22.4 41.6



#9  
Trichlorofluoromethane  
Concen: 0.884 ug/L  
RT: 2.132 min Scan# 262  
Delta R.T. 0.000 min  
Lab File: VU058764.D  
Acq: 22 Apr 2024 12:01

Tgt Ion:101 Resp: 11352  
Ion Ratio Lower Upper  
101 100  
103 64.8 52.6 78.8

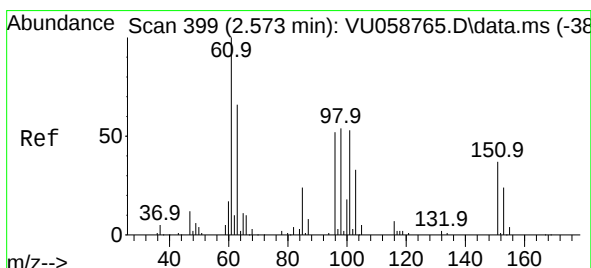
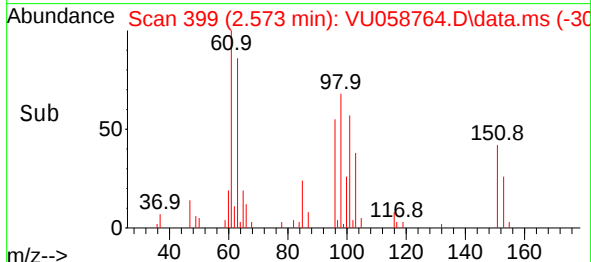
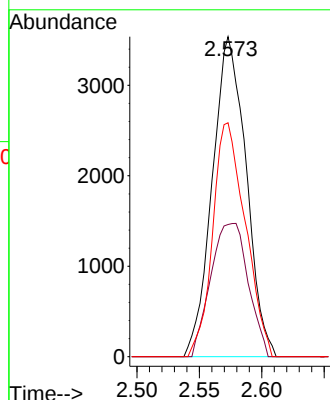
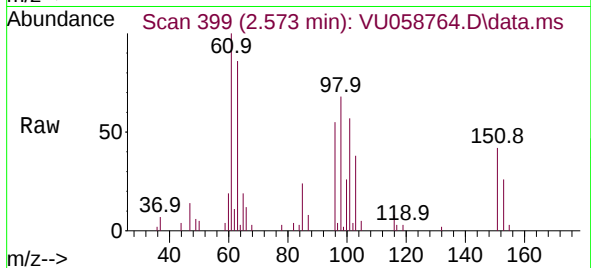




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.869 ug/L  
 RT: 2.573 min Scan# 399  
 Delta R.T. 0.000 min  
 Lab File: VU058764.D  
 Acq: 22 Apr 2024 12:01

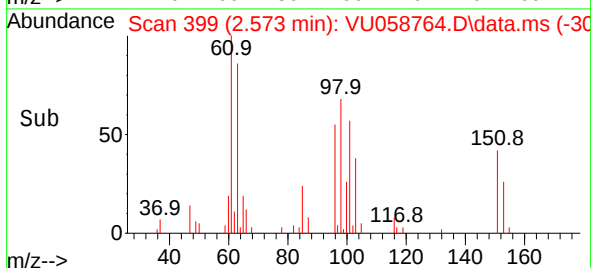
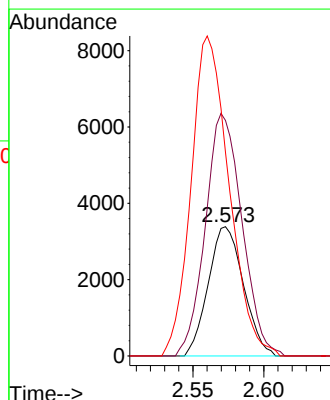
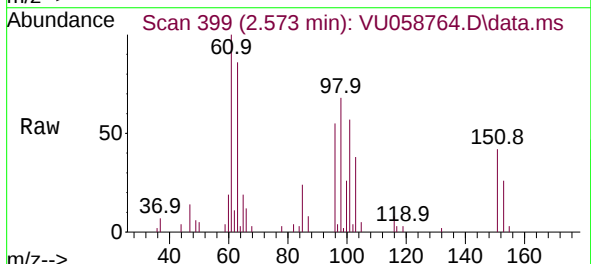
Instrument :  
 MSVOA\_U  
 ClientSampleId :

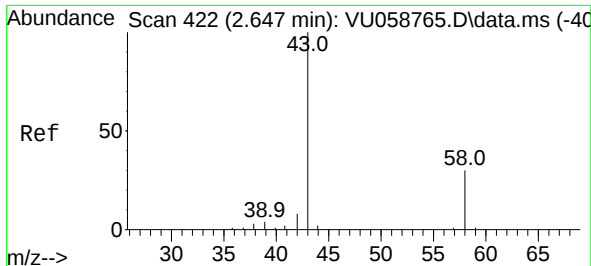
Tgt Ion:101 Resp: 6664  
 Ion Ratio Lower Upper  
 101 100  
 85 46.2 36.7 55.1  
 151 70.7 56.6 84.8



#12  
 1,1-Dichloroethene  
 Concen: 0.862 ug/L  
 RT: 2.573 min Scan# 399  
 Delta R.T. 0.000 min  
 Lab File: VU058764.D  
 Acq: 22 Apr 2024 12:01

Tgt Ion: 96 Resp: 5861  
 Ion Ratio Lower Upper  
 96 100  
 61 182.1 135.3 251.3  
 63 157.5 91.9 170.7





#13

Acetone

Concen: 6.495 ug/L

RT: 2.653 min Scan# 41

Delta R.T. 0.006 min

Lab File: VU058764.D

Acq: 22 Apr 2024 12:01

Instrument :

MSVOA\_U

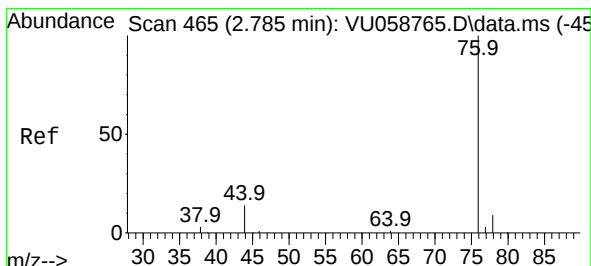
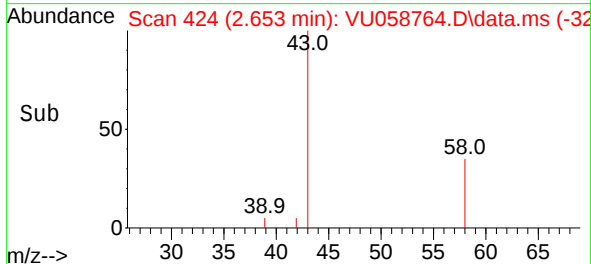
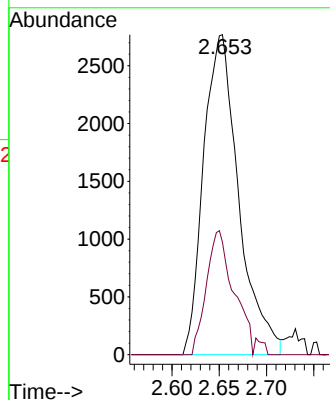
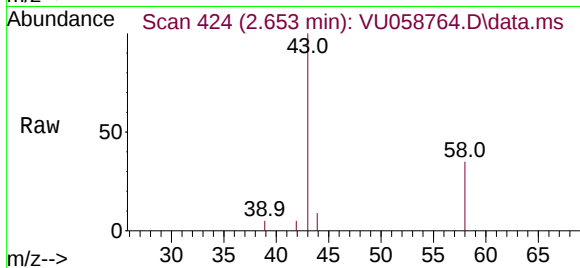
ClientSampleId :

Tgt Ion: 43 Resp: 7152

Ion Ratio Lower Upper

43 100

58 30.1 0.0 61.2



#14

Carbon disulfide

Concen: 0.921 ug/L

RT: 2.785 min Scan# 465

Delta R.T. 0.000 min

Lab File: VU058764.D

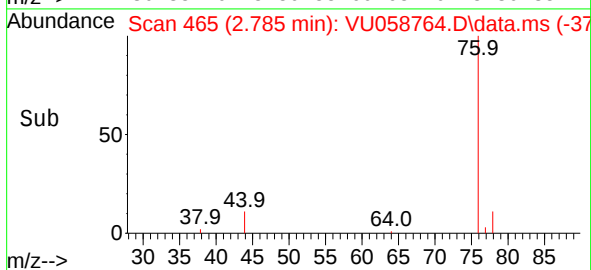
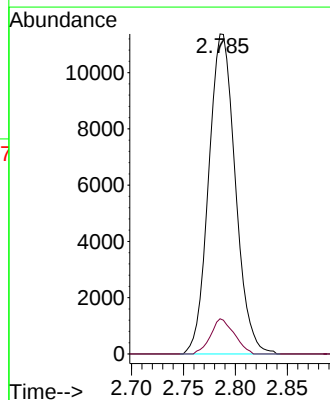
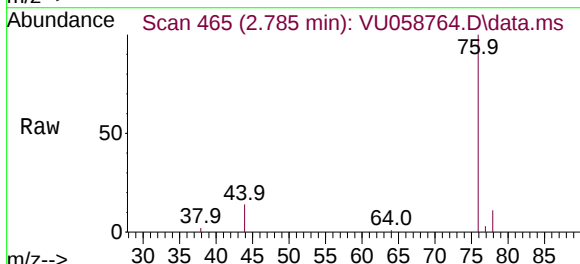
Acq: 22 Apr 2024 12:01

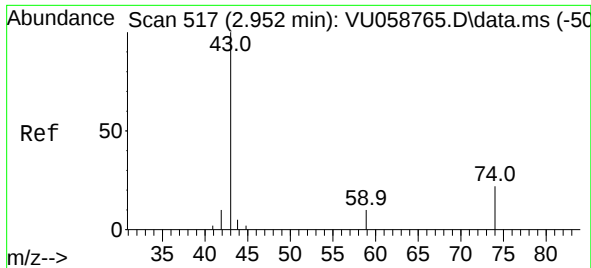
Tgt Ion: 76 Resp: 20288

Ion Ratio Lower Upper

76 100

78 11.0 7.4 11.2

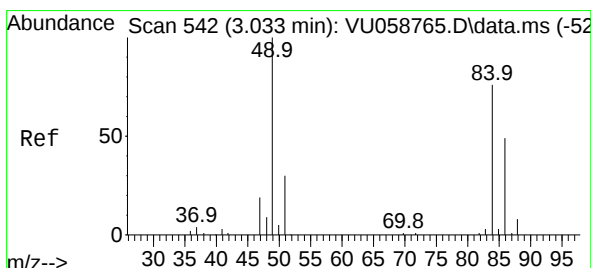
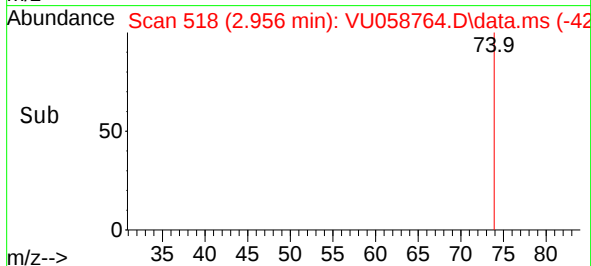
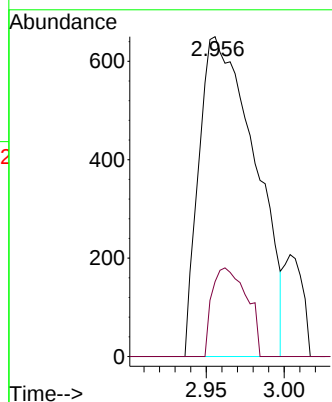
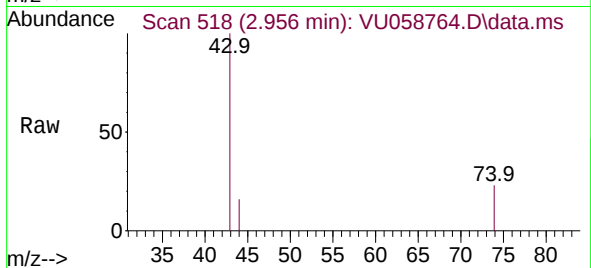




#15  
Methyl Acetate  
Concen: 0.626 ug/L  
RT: 2.956 min Scan# 517  
Delta R.T. 0.003 min  
Lab File: VU058764.D  
Acq: 22 Apr 2024 12:01

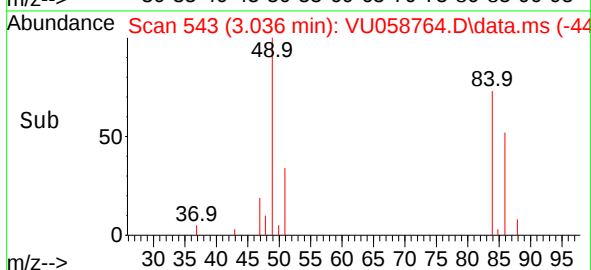
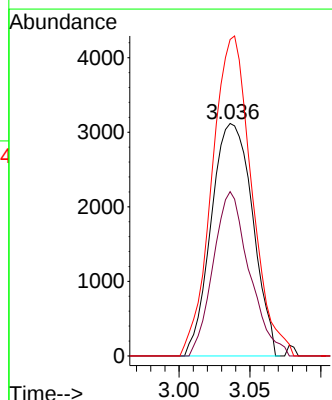
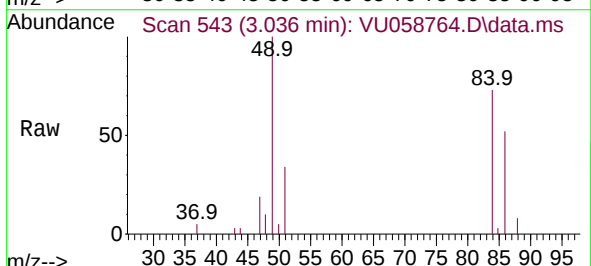
Instrument :  
MSVOA\_U  
ClientSampleId :

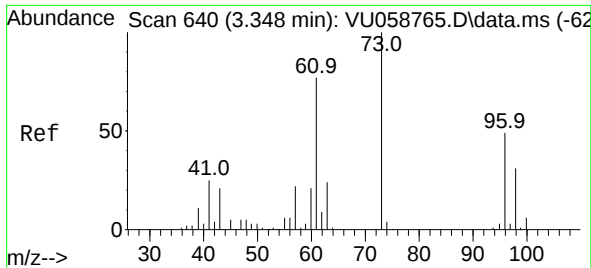
Tgt Ion: 43 Resp: 1619  
Ion Ratio Lower Upper  
43 100  
74 17.2 18.2 27.4#



#16  
Methylene chloride  
Concen: 0.726 ug/L  
RT: 3.036 min Scan# 543  
Delta R.T. 0.003 min  
Lab File: VU058764.D  
Acq: 22 Apr 2024 12:01

Tgt Ion: 84 Resp: 6335  
Ion Ratio Lower Upper  
84 100  
86 70.7 45.0 83.6  
49 136.1 91.6 170.2

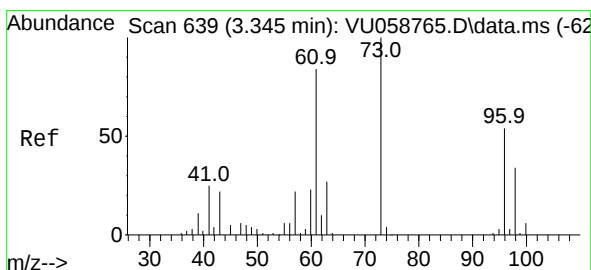
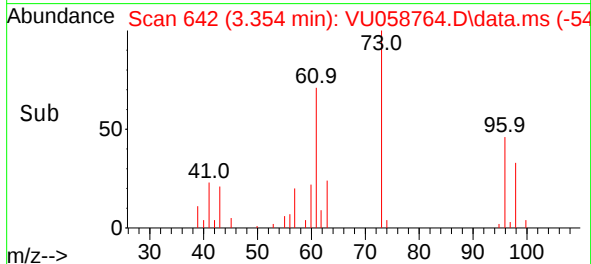
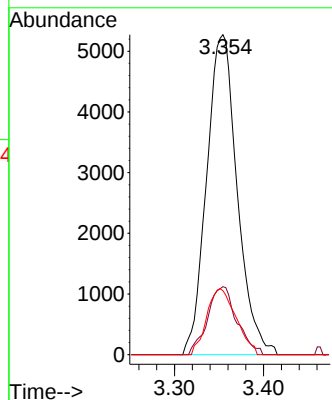
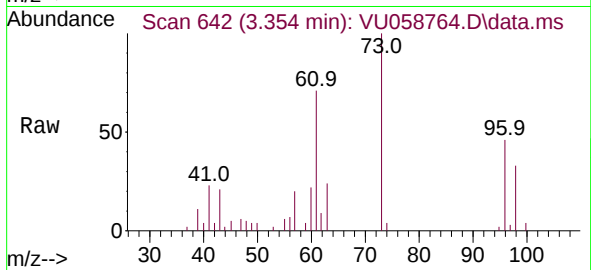




#17  
Methyl tert-butyl Ether  
Concen: 0.788 ug/L  
RT: 3.354 min Scan# 641  
Delta R.T. 0.006 min  
Lab File: VU058764.D  
Acq: 22 Apr 2024 12:01

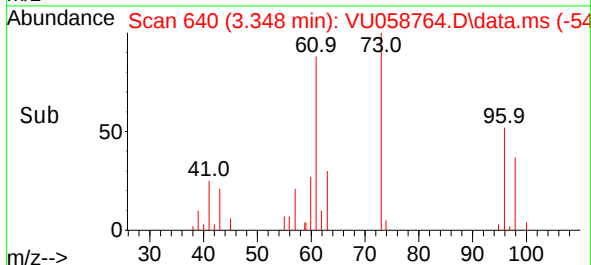
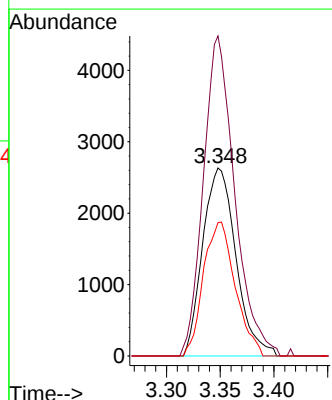
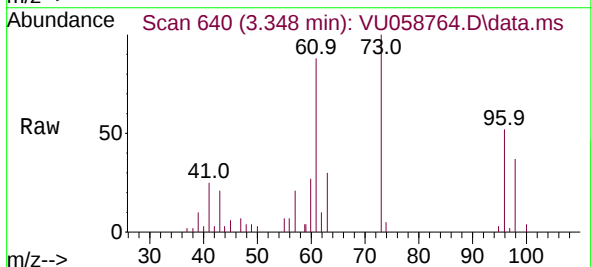
Instrument :  
MSVOA\_U  
ClientSampleId :

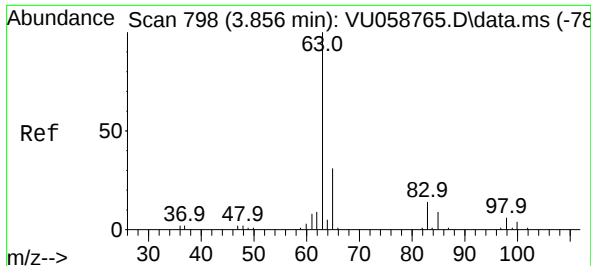
Tgt Ion: 73 Resp: 12583  
Ion Ratio Lower Upper  
73 100  
43 20.3 17.7 26.5  
57 19.7 17.0 25.4



#18  
trans-1,2-Dichloroethene  
Concen: 0.801 ug/L  
RT: 3.348 min Scan# 640  
Delta R.T. 0.003 min  
Lab File: VU058764.D  
Acq: 22 Apr 2024 12:01

Tgt Ion: 96 Resp: 5666  
Ion Ratio Lower Upper  
96 100  
61 170.2 108.6 201.8  
98 70.9 44.4 82.4





#19

1,1-Dichloroethane

Concen: 0.807 ug/L

RT: 3.859 min Scan# 70

Delta R.T. 0.003 min

Lab File: VU058764.D

Acq: 22 Apr 2024 12:01

Instrument :

MSVOA\_U

ClientSampleId :

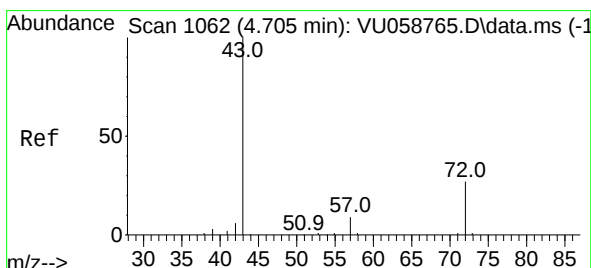
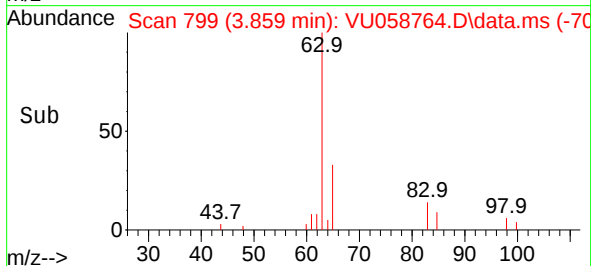
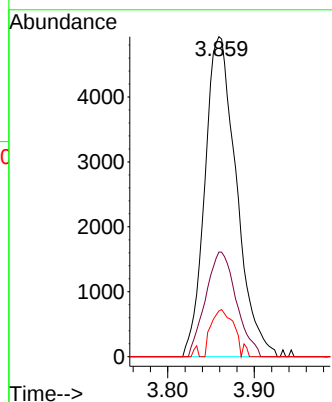
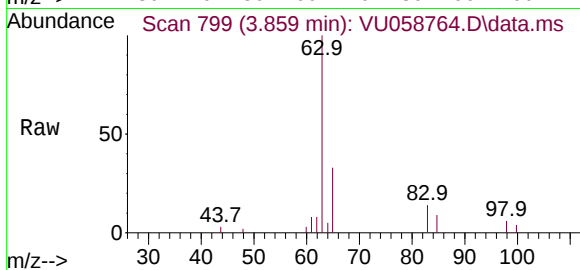
Tgt Ion: 63 Resp: 12431

Ion Ratio Lower Upper

63 100

65 32.7 21.6 40.2

83 14.3 9.5 17.7



#21

2-Butanone

Concen: 5.688 ug/L

RT: 4.727 min Scan# 1069

Delta R.T. 0.023 min

Lab File: VU058764.D

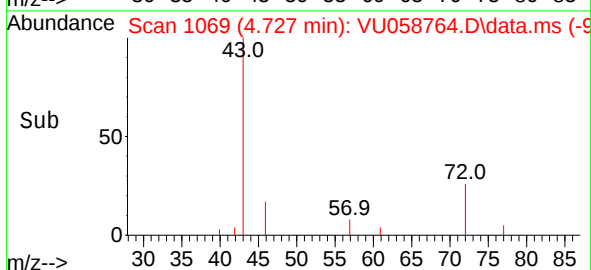
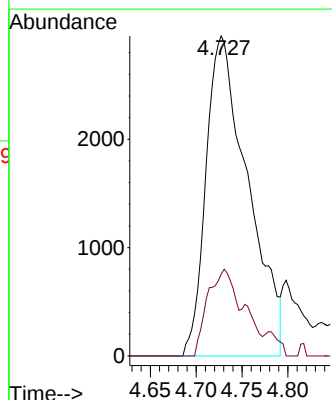
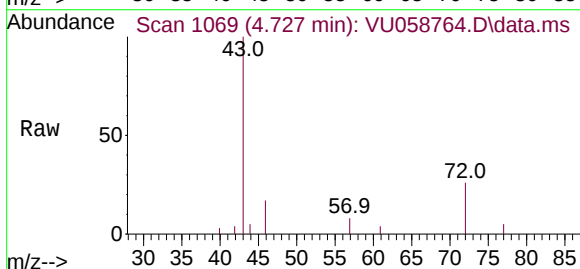
Acq: 22 Apr 2024 12:01

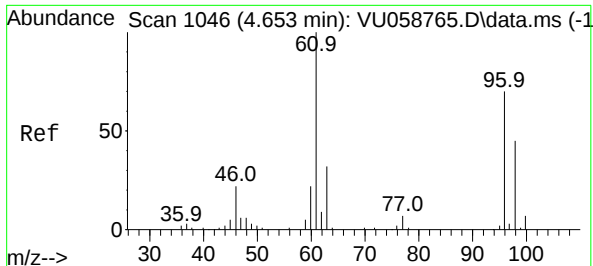
Tgt Ion: 43 Resp: 9369

Ion Ratio Lower Upper

43 100

72 18.4 12.8 38.4

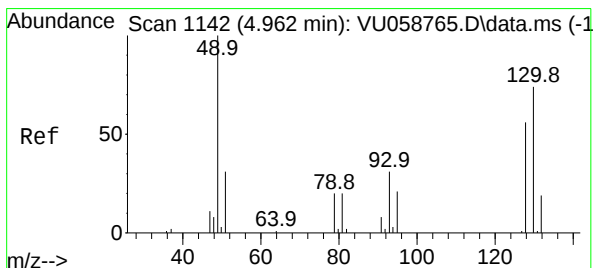
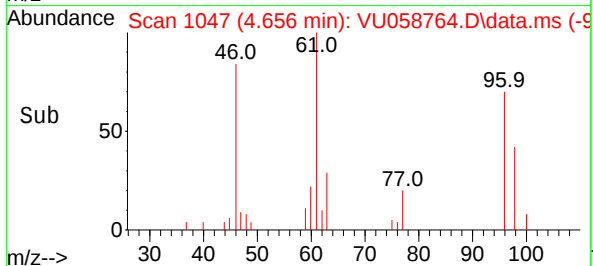
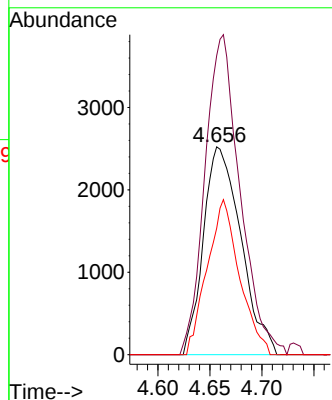
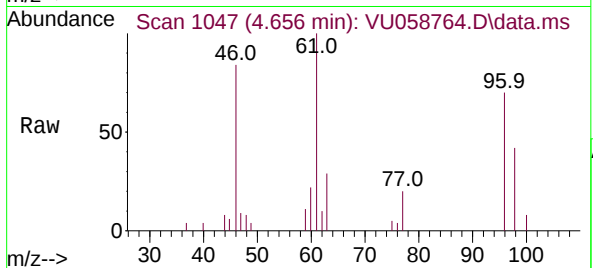




#22  
cis-1,2-Dichloroethene  
Concen: 0.802 ug/L  
RT: 4.656 min Scan# 1046  
Delta R.T. 0.003 min  
Lab File: VU058764.D  
Acq: 22 Apr 2024 12:01

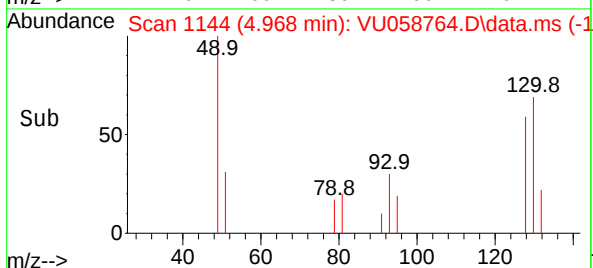
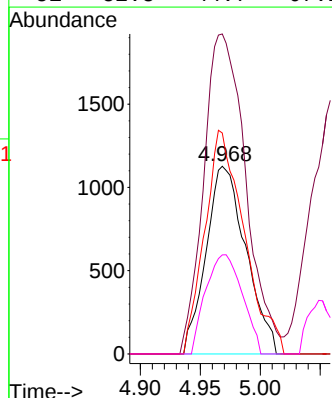
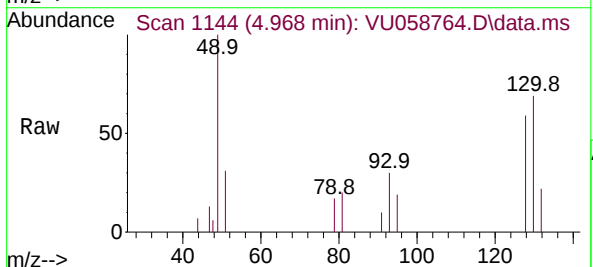
Instrument :  
MSVOA\_U  
ClientSampleId :

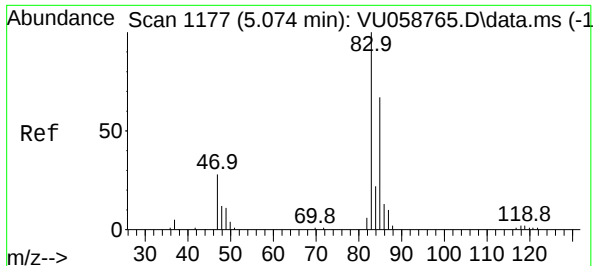
Tgt Ion: 96 Resp: 6327  
Ion Ratio Lower Upper  
96 100  
61 143.9 100.4 186.4  
98 60.9 45.1 83.7



#23  
Bromochloromethane  
Concen: 0.837 ug/L  
RT: 4.968 min Scan# 1144  
Delta R.T. 0.006 min  
Lab File: VU058764.D  
Acq: 22 Apr 2024 12:01

Tgt Ion: 128 Resp: 2605  
Ion Ratio Lower Upper  
128 100  
49 170.5 129.1 239.7  
130 117.7 92.1 171.1  
51 52.8 44.7 67.1





#25

Chloroform

Concen: 0.897 ug/L

RT: 5.078 min Scan# 1177

Delta R.T. 0.003 min

Lab File: VU058764.D

Acq: 22 Apr 2024 12:01

Instrument :

MSVOA\_U

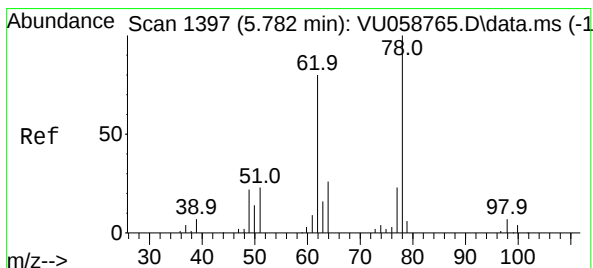
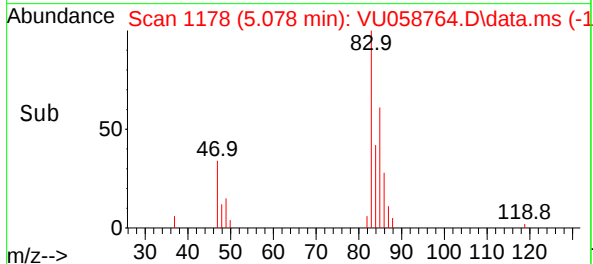
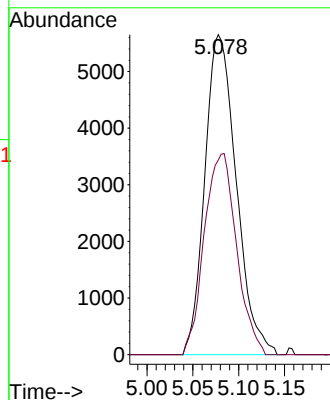
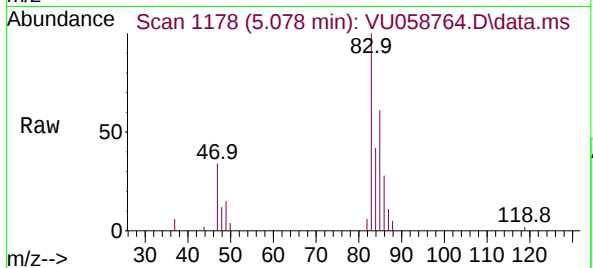
ClientSampleId :

Tgt Ion: 83 Resp: 13496

Ion Ratio Lower Upper

83 100

85 60.8 47.0 87.4



#27

1,2-Dichloroethane

Concen: 0.842 ug/L

RT: 5.791 min Scan# 1400

Delta R.T. 0.010 min

Lab File: VU058764.D

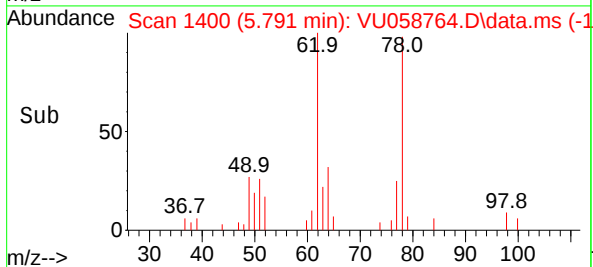
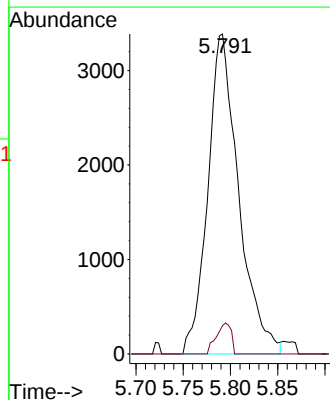
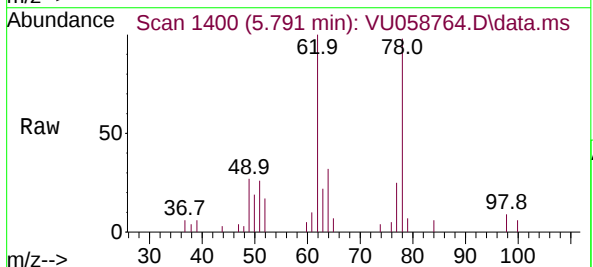
Acq: 22 Apr 2024 12:01

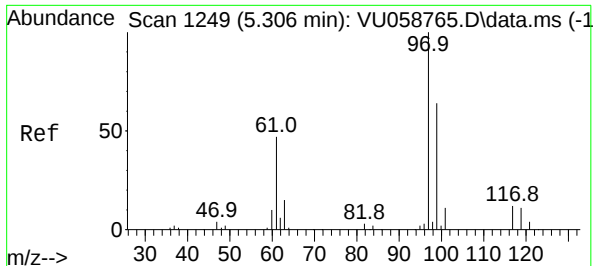
Tgt Ion: 62 Resp: 7686

Ion Ratio Lower Upper

62 100

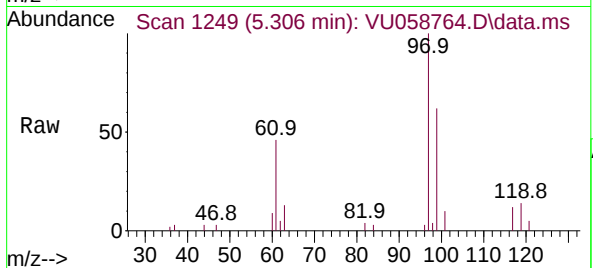
98 8.8 6.7 10.1



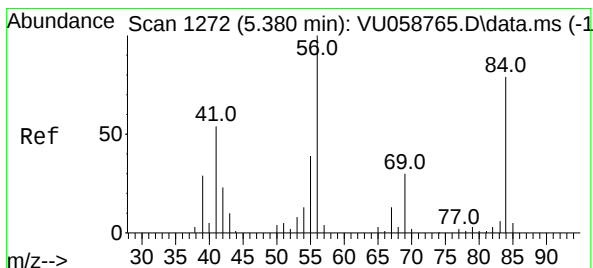
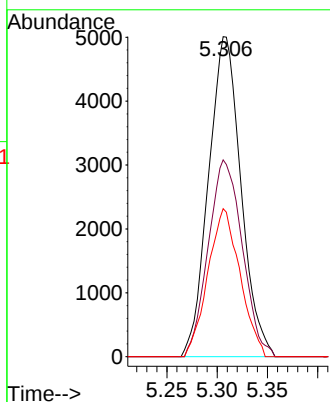
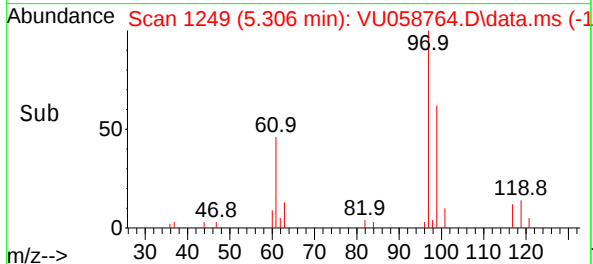


#29  
1,1,1-Trichloroethane  
Concen: 0.885 ug/L  
RT: 5.306 min Scan# 1249  
Delta R.T. 0.000 min  
Lab File: VU058764.D  
Acq: 22 Apr 2024 12:01

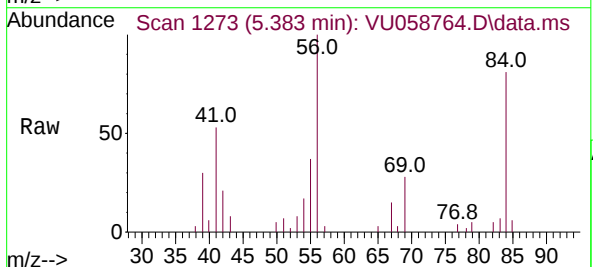
Instrument :  
MSVOA\_U  
ClientSampleId :



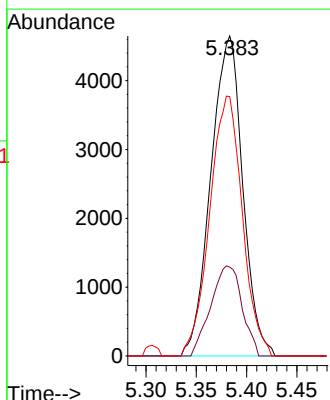
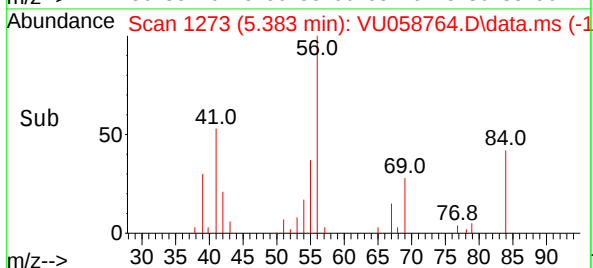
| Tgt Ion: | 97    | Resp: | 11248 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 64.4  | 50.5  | 75.7  |
| 61       | 45.7  | 37.3  | 55.9  |

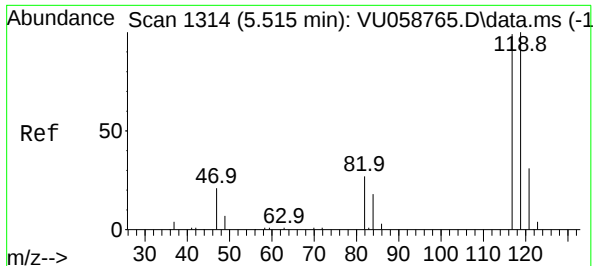


#30  
Cyclohexane  
Concen: 0.782 ug/L  
RT: 5.383 min Scan# 1273  
Delta R.T. 0.003 min  
Lab File: VU058764.D  
Acq: 22 Apr 2024 12:01



| Tgt Ion: | 56    | Resp: | 10260 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 27.6  | 23.7  | 35.5  |
| 84       | 82.8  | 64.2  | 96.4  |

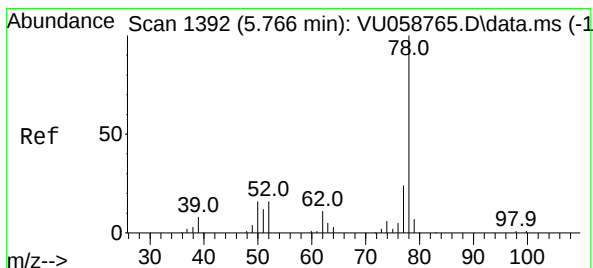
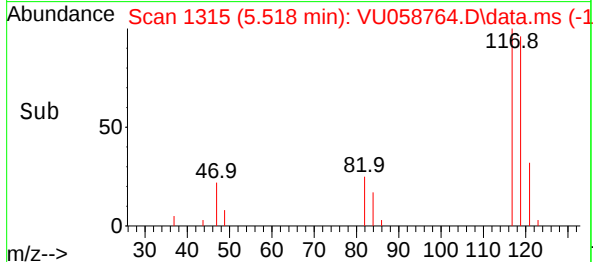
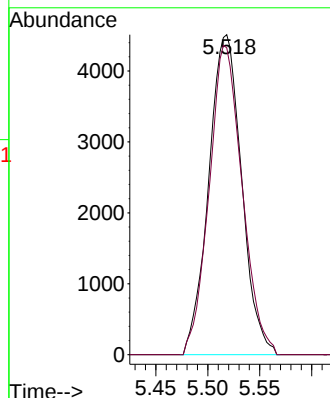
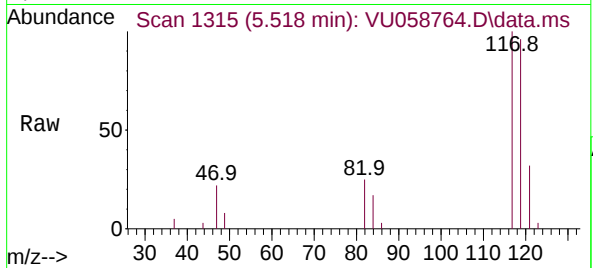




#31  
Carbon tetrachloride  
Concen: 0.914 ug/L  
RT: 5.518 min Scan# 1314  
Delta R.T. 0.003 min  
Lab File: VU058764.D  
Acq: 22 Apr 2024 12:01

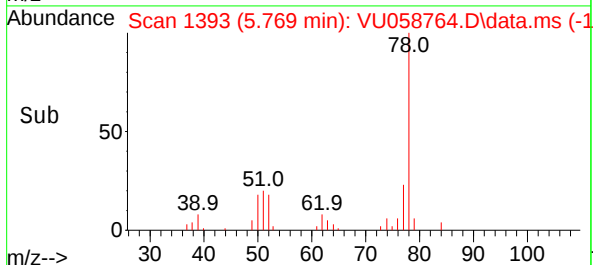
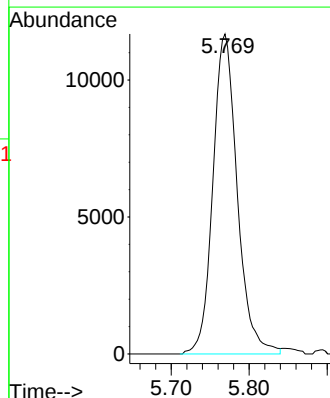
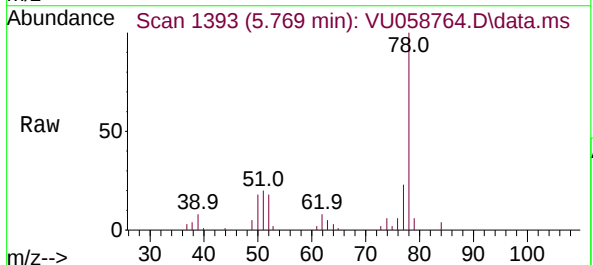
Instrument :  
MSVOA\_U  
ClientSampleId :

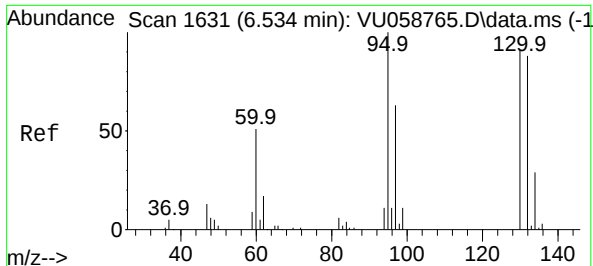
Tgt Ion:117 Resp: 9914  
Ion Ratio Lower Upper  
117 100  
119 96.9 77.0 115.4



#33  
Benzene  
Concen: 0.764 ug/L  
RT: 5.769 min Scan# 1393  
Delta R.T. 0.003 min  
Lab File: VU058764.D  
Acq: 22 Apr 2024 12:01

Tgt Ion: 78 Resp: 25419





#34

Trichloroethene

Concen: 0.839 ug/L

RT: 6.537 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU058764.D

Acq: 22 Apr 2024 12:01

Instrument :

MSVOA\_U

ClientSampleId :

Tgt Ion: 95 Resp: 7136

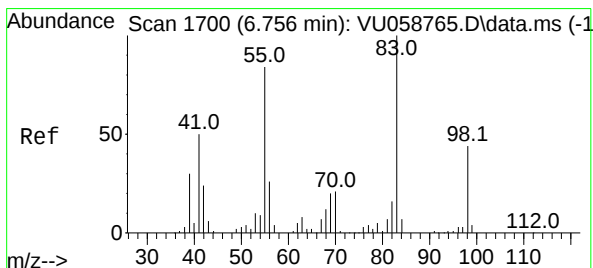
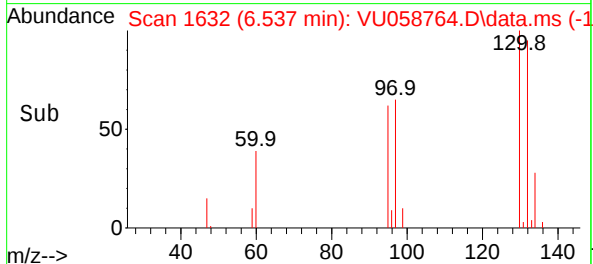
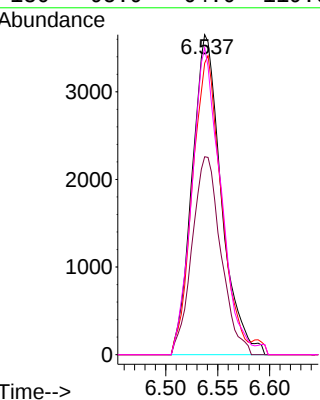
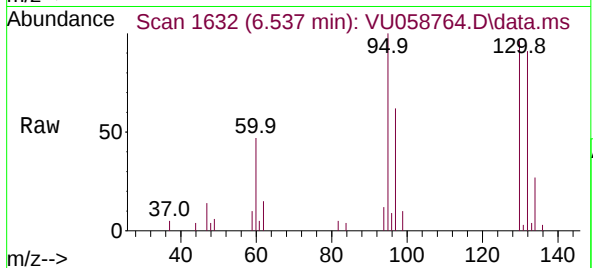
Ion Ratio Lower Upper

95 100

97 61.9 44.4 82.4

132 91.1 61.6 114.4

130 95.9 64.0 119.0



#35

Methylcyclohexane

Concen: 0.821 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VU058764.D

Acq: 22 Apr 2024 12:01

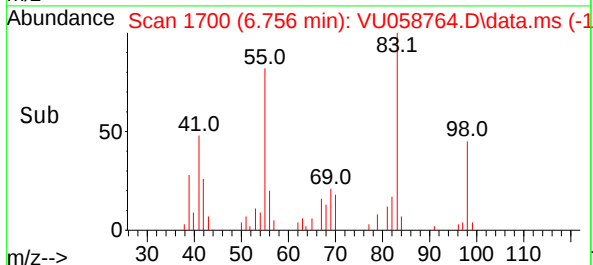
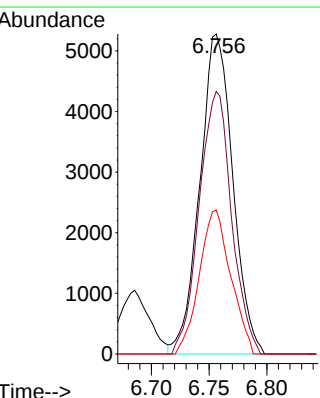
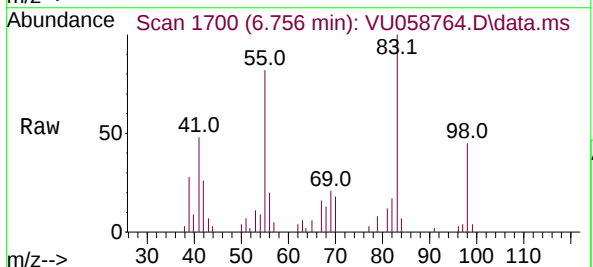
Tgt Ion: 83 Resp: 10487

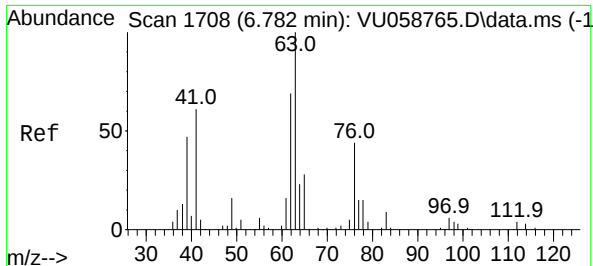
Ion Ratio Lower Upper

83 100

55 80.7 66.6 100.0

98 42.8 35.4 53.2

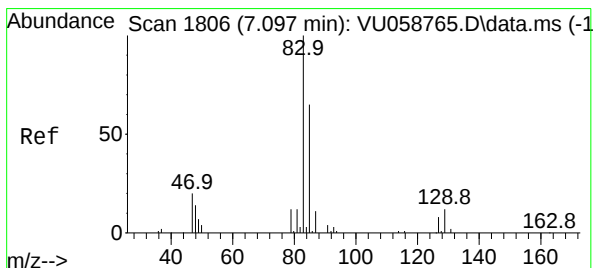
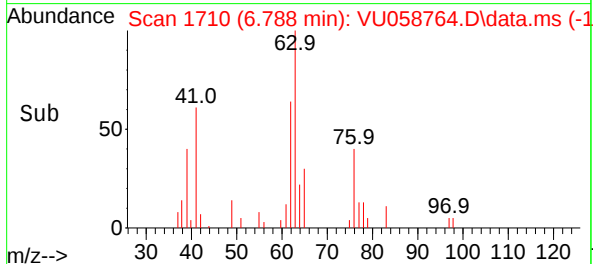
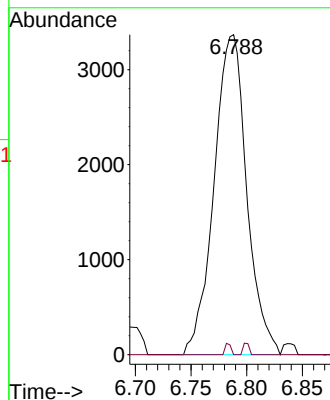
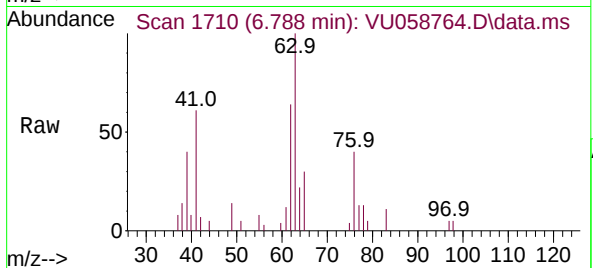




#37  
1,2-Dichloropropane  
Concen: 0.793 ug/L  
RT: 6.788 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VU058764.D  
Acq: 22 Apr 2024 12:01

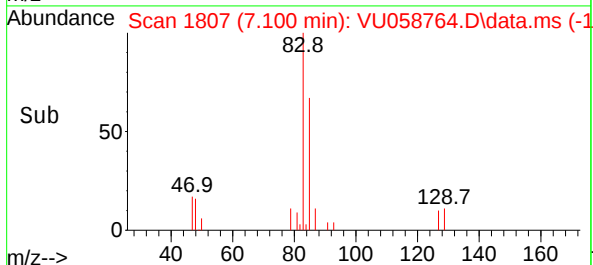
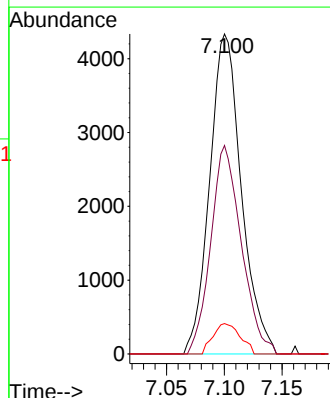
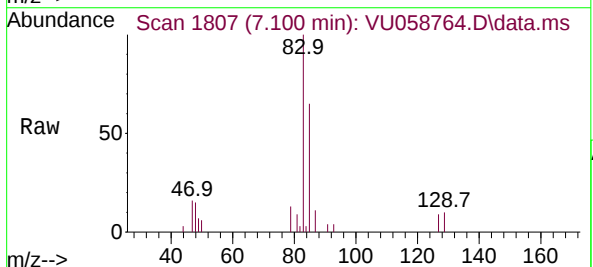
Instrument :  
MSVOA\_U  
ClientSampleId :

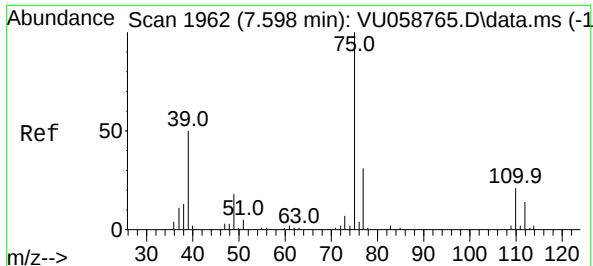
Tgt Ion: 63 Resp: 6889  
Ion Ratio Lower Upper  
63 100  
112 0.6 2.8 4.2#



#38  
Bromodichloromethane  
Concen: 0.818 ug/L  
RT: 7.100 min Scan# 1807  
Delta R.T. 0.003 min  
Lab File: VU058764.D  
Acq: 22 Apr 2024 12:01

Tgt Ion: 83 Resp: 8274  
Ion Ratio Lower Upper  
83 100  
85 65.1 45.2 84.0  
127 9.5 6.3 9.5#

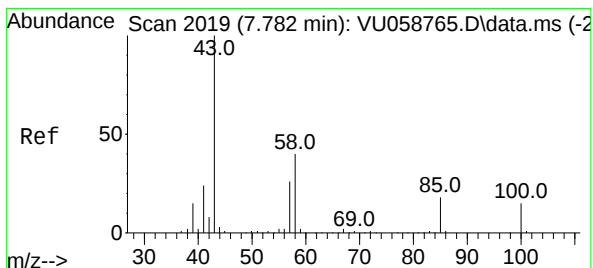
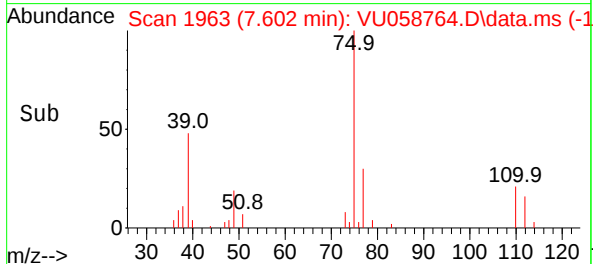
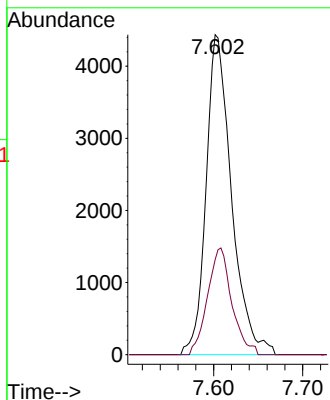
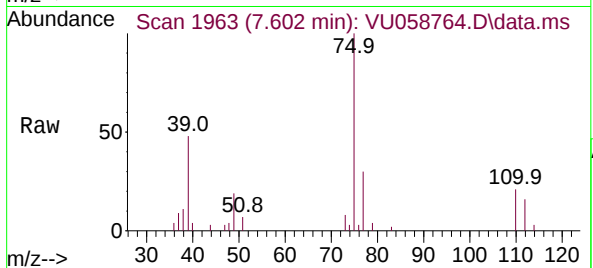




#39  
cis-1,3-Dichloropropene  
Concen: 0.776 ug/L  
RT: 7.602 min Scan# 1962  
Delta R.T. 0.003 min  
Lab File: VU058764.D  
Acq: 22 Apr 2024 12:01

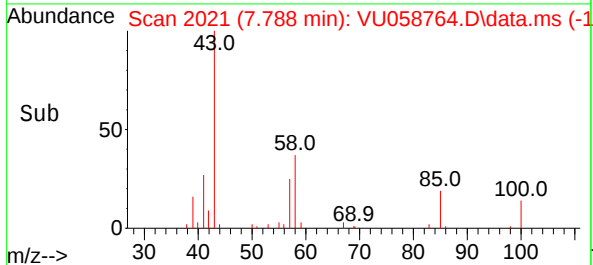
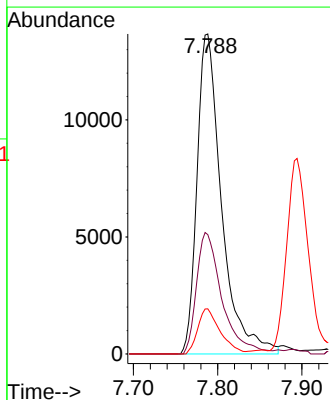
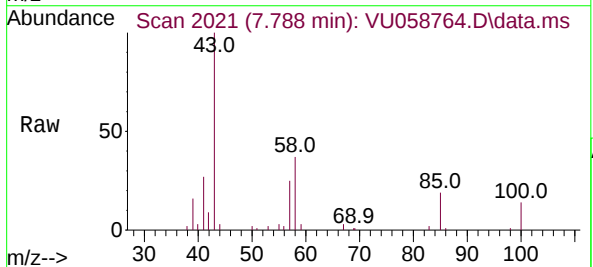
Instrument :  
MSVOA\_U  
ClientSampleId :

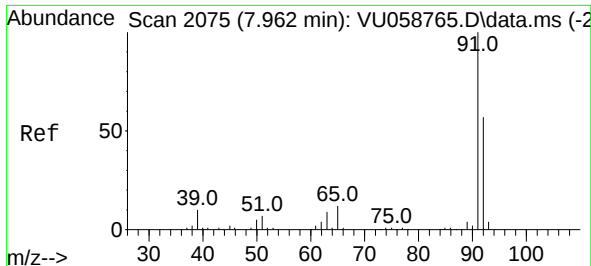
Tgt Ion: 75 Resp: 8799  
Ion Ratio Lower Upper  
75 100  
77 29.7 21.9 40.7



#40  
4-Methyl-2-pentanone  
Concen: 6.837 ug/L  
RT: 7.788 min Scan# 2021  
Delta R.T. 0.006 min  
Lab File: VU058764.D  
Acq: 22 Apr 2024 12:01

Tgt Ion: 43 Resp: 27775  
Ion Ratio Lower Upper  
43 100  
58 39.3 31.5 47.3  
100 12.9 11.4 17.0





#42

Toluene

Concen: 0.748 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU058764.D

Acq: 22 Apr 2024 12:01

Instrument :

MSVOA\_U

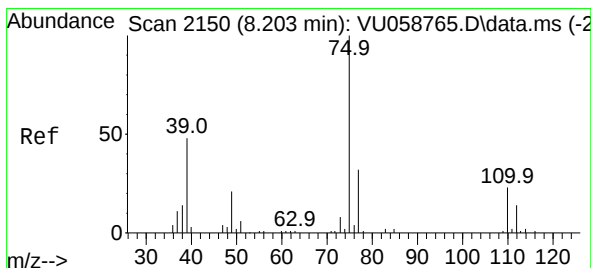
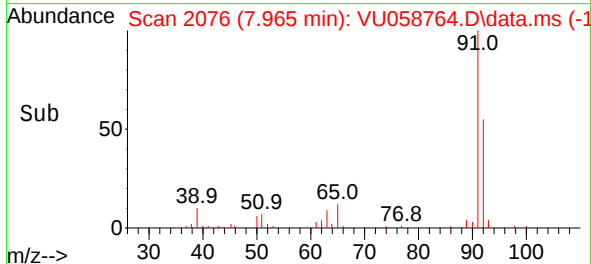
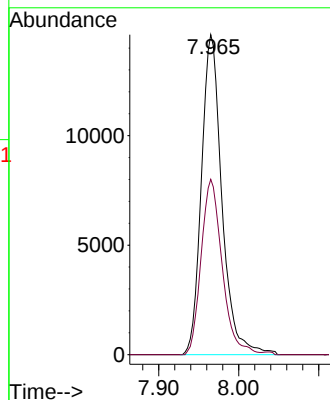
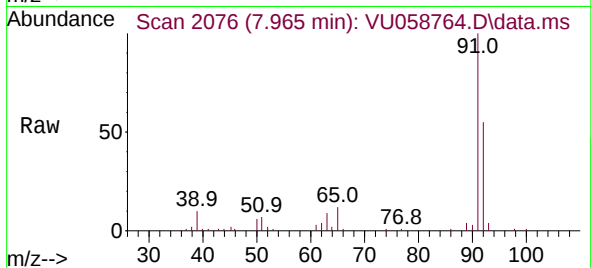
ClientSampleId :

Tgt Ion: 91 Resp: 26095

Ion Ratio Lower Upper

91 100

92 54.8 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 0.765 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. 0.006 min

Lab File: VU058764.D

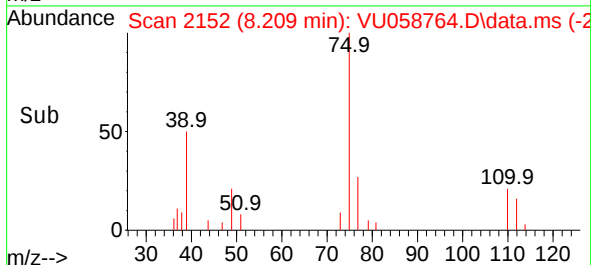
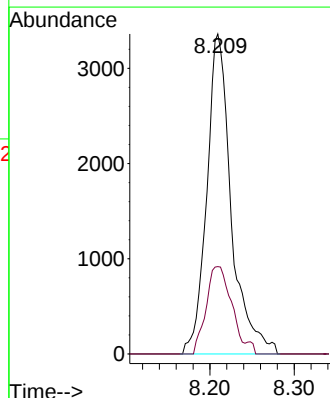
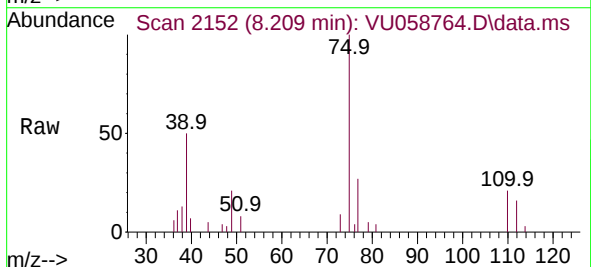
Acq: 22 Apr 2024 12:01

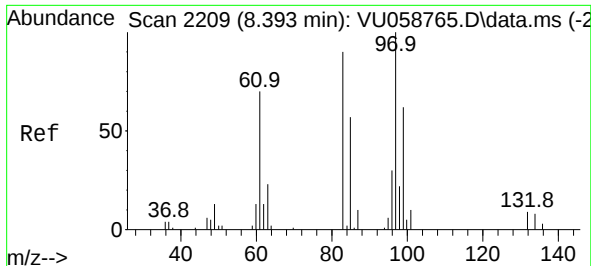
Tgt Ion: 75 Resp: 6789

Ion Ratio Lower Upper

75 100

77 27.3 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 0.703 ug/L

RT: 8.396 min Scan# 2209

Delta R.T. 0.003 min

Lab File: VU058764.D

Acq: 22 Apr 2024 12:01

Instrument :

MSVOA\_U

ClientSampleId :

Tgt Ion: 97 Resp: 3586

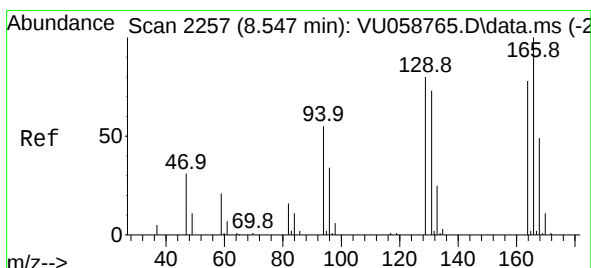
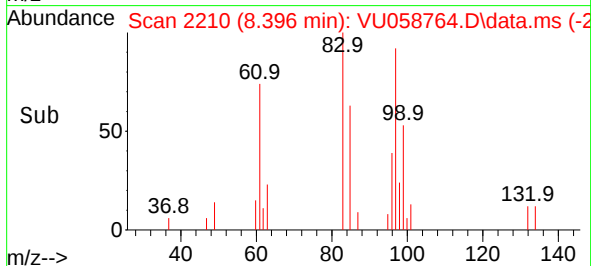
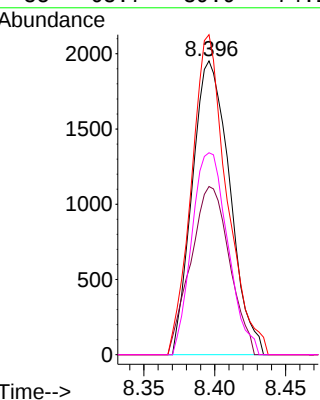
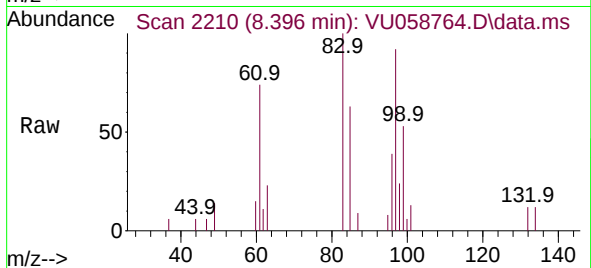
Ion Ratio Lower Upper

97 100

99 57.2 43.7 81.1

83 108.9 62.9 116.9

85 68.7 39.9 74.1



#47

Tetrachloroethene

Concen: 0.844 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. 0.003 min

Lab File: VU058764.D

Acq: 22 Apr 2024 12:01

Tgt Ion: 164 Resp: 5230

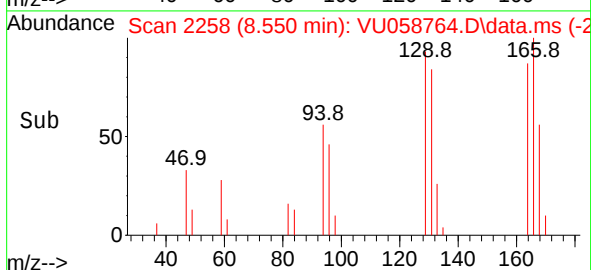
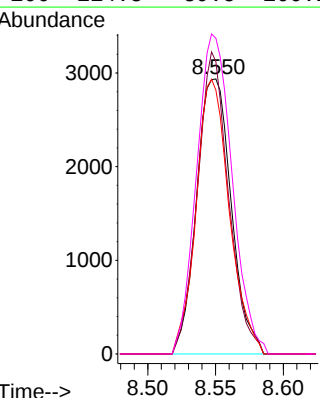
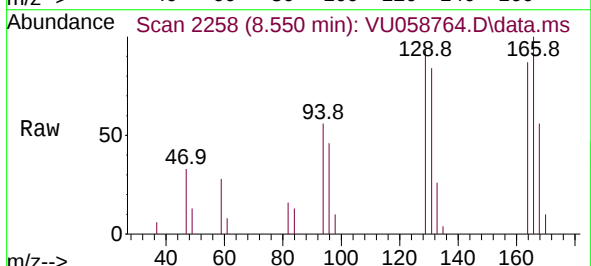
Ion Ratio Lower Upper

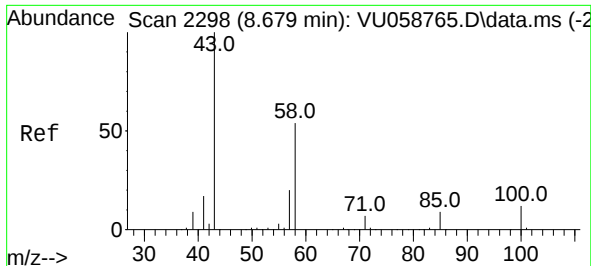
164 100

129 106.3 71.5 132.9

131 95.9 65.0 120.6

166 114.8 89.5 166.1





#48

2-Hexanone

Concen: 6.305 ug/L

RT: 8.685 min Scan# 2300

Delta R.T. 0.006 min

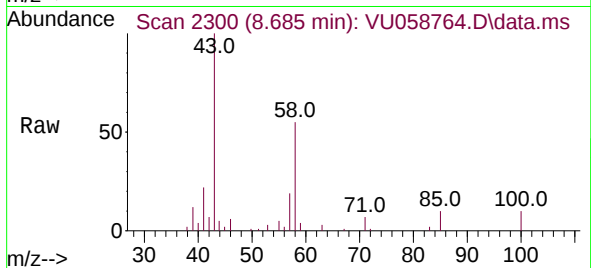
Lab File: VU058764.D

Acq: 22 Apr 2024 12:01

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion: 43 Resp: 18113

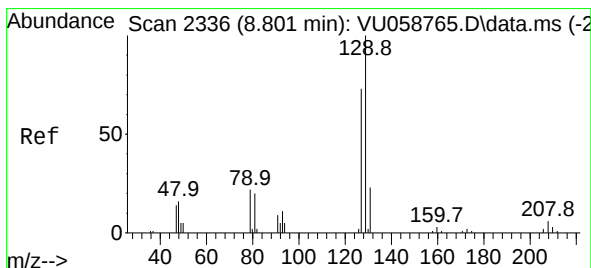
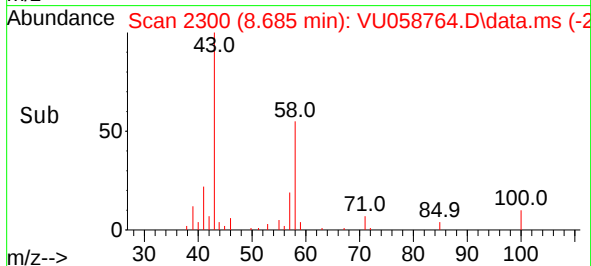
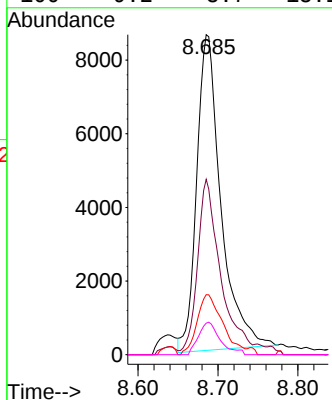
Ion Ratio Lower Upper

43 100

58 55.1 43.7 65.5

57 20.1 15.0 22.4

100 9.2 8.7 13.1



#49

Dibromochloromethane

Concen: 0.787 ug/L

RT: 8.804 min Scan# 2337

Delta R.T. 0.003 min

Lab File: VU058764.D

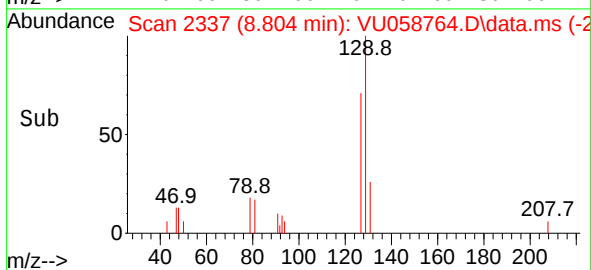
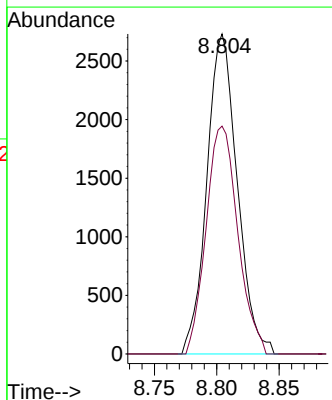
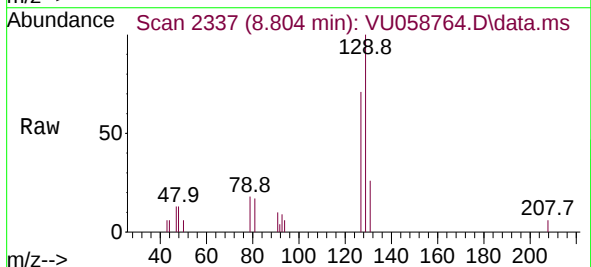
Acq: 22 Apr 2024 12:01

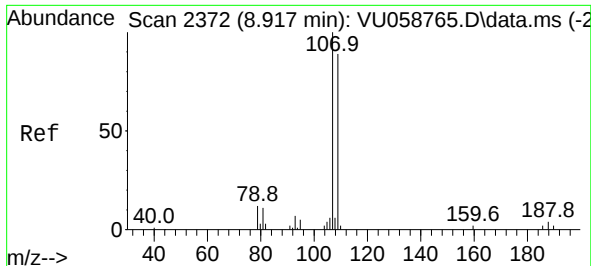
Tgt Ion: 129 Resp: 4647

Ion Ratio Lower Upper

129 100

127 71.2 51.0 94.8

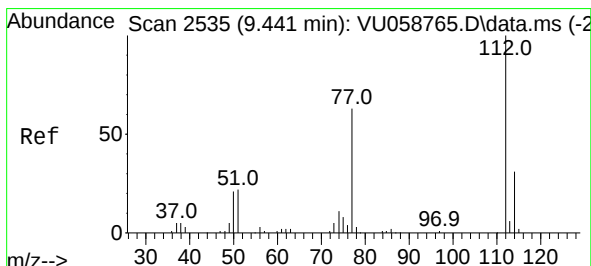
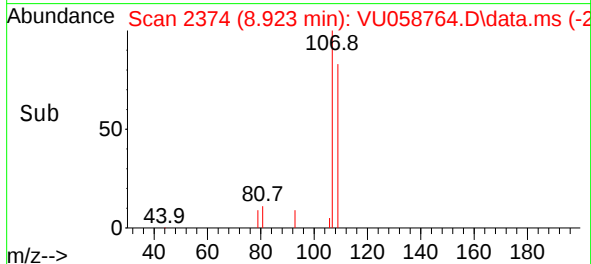
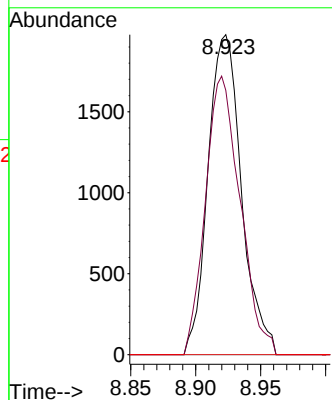
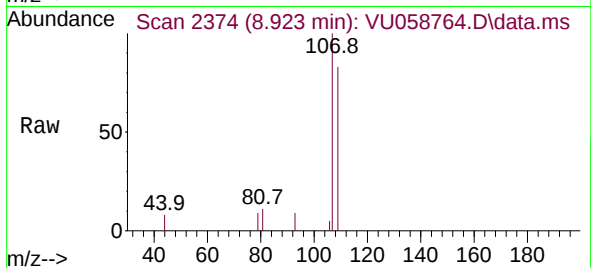




#50  
1,2-Dibromoethane  
Concen: 0.759 ug/L  
RT: 8.923 min Scan# 2374  
Delta R.T. 0.006 min  
Lab File: VU058764.D  
Acq: 22 Apr 2024 12:01

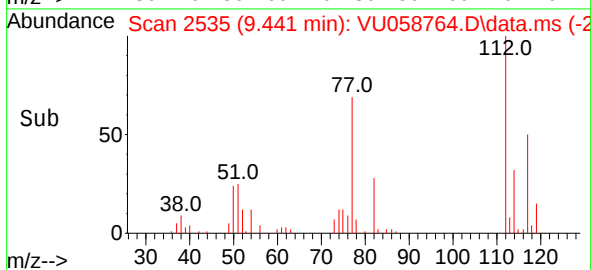
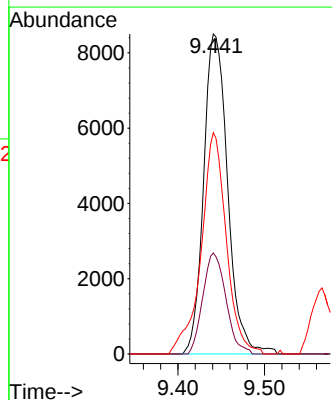
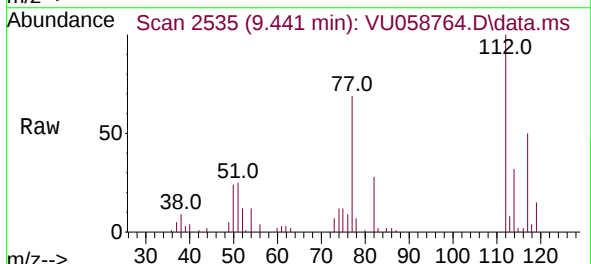
Instrument :  
MSVOA\_U  
ClientSampleId :

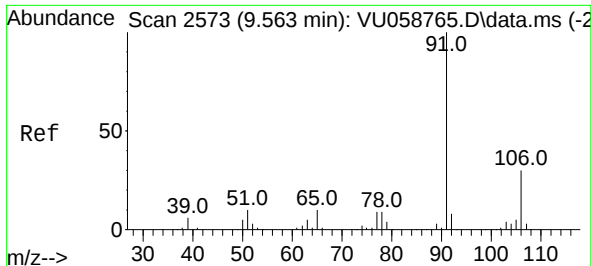
Tgt Ion:107 Resp: 3543  
Ion Ratio Lower Upper  
107 100  
109 82.6 62.3 115.7  
188 0.0 2.9 4.3#



#51  
Chlorobenzene  
Concen: 0.779 ug/L  
RT: 9.441 min Scan# 2535  
Delta R.T. 0.000 min  
Lab File: VU058764.D  
Acq: 22 Apr 2024 12:01

Tgt Ion:112 Resp: 16394  
Ion Ratio Lower Upper  
112 100  
114 31.6 21.7 40.3  
77 69.2 50.5 75.7





#52

Ethylbenzene

Concen: 0.756 ug/L

RT: 9.566 min Scan# 2573

Delta R.T. 0.003 min

Lab File: VU058764.D

Acq: 22 Apr 2024 12:01

Instrument :

MSVOA\_U

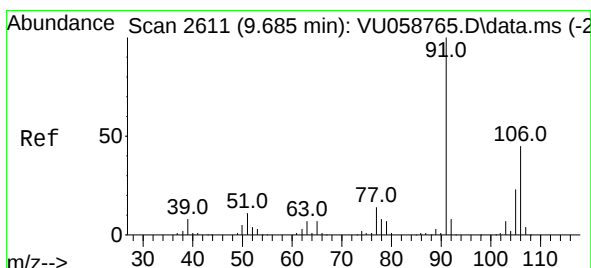
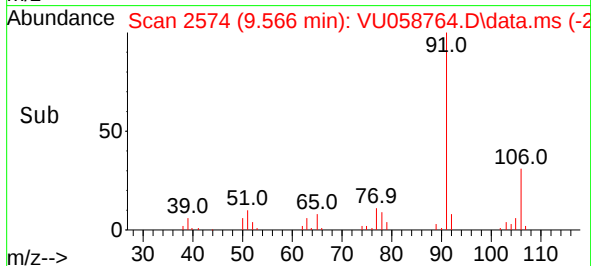
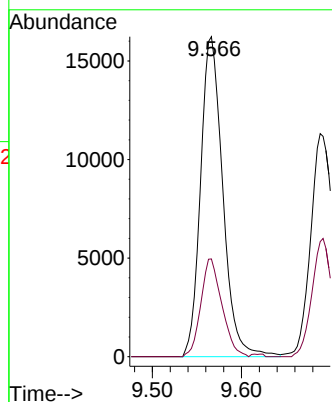
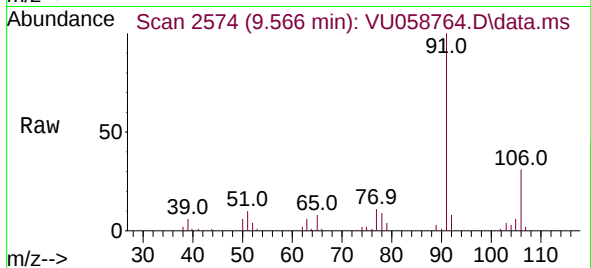
ClientSampleId :

Tgt Ion: 91 Resp: 28117

Ion Ratio Lower Upper

91 100

106 30.5 20.9 38.9



#53

m,p-Xylene

Concen: 0.769 ug/L

RT: 9.692 min Scan# 2613

Delta R.T. 0.006 min

Lab File: VU058764.D

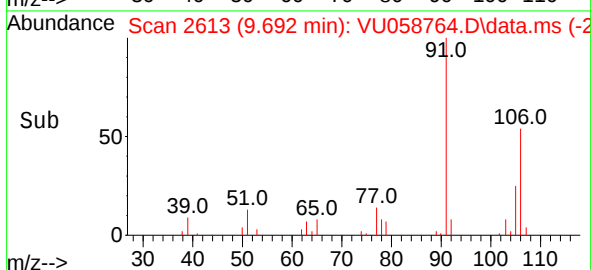
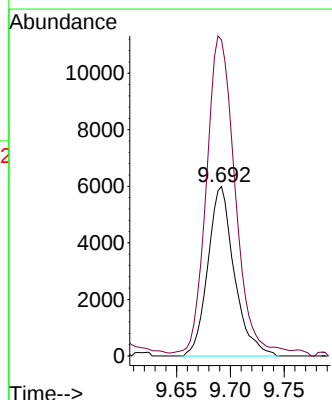
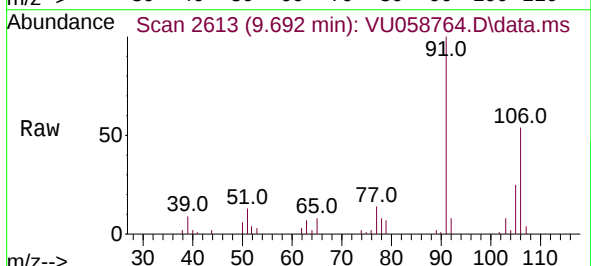
Acq: 22 Apr 2024 12:01

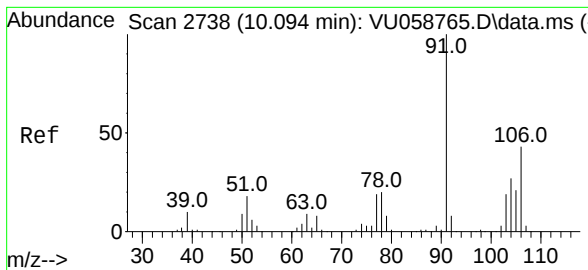
Tgt Ion:106 Resp: 10236

Ion Ratio Lower Upper

106 100

91 186.5 155.1 288.1

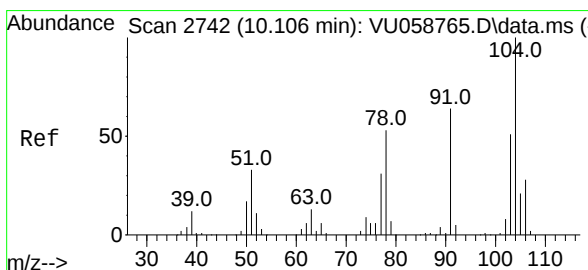
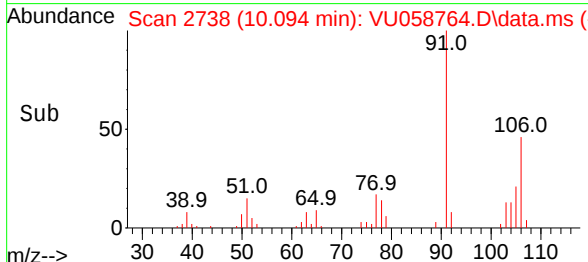
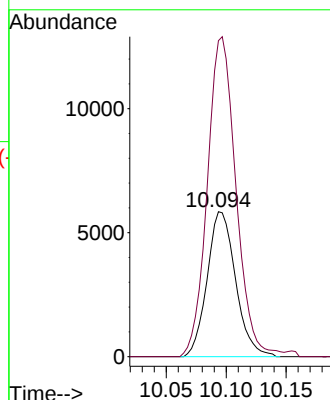
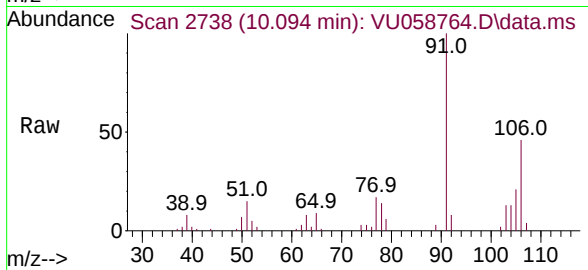




#54  
o-Xylene  
Concen: 0.744 ug/L  
RT: 10.094 min Scan# 2738  
Delta R.T. 0.000 min  
Lab File: VU058764.D  
Acq: 22 Apr 2024 12:01

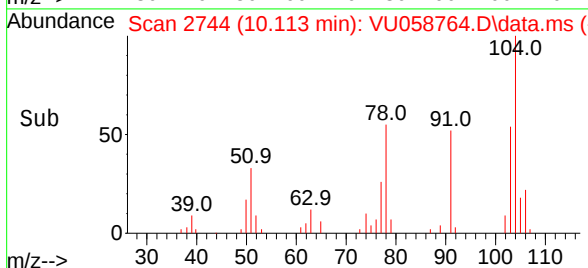
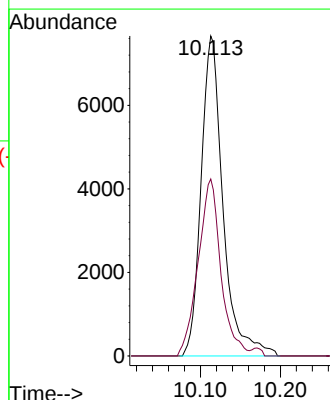
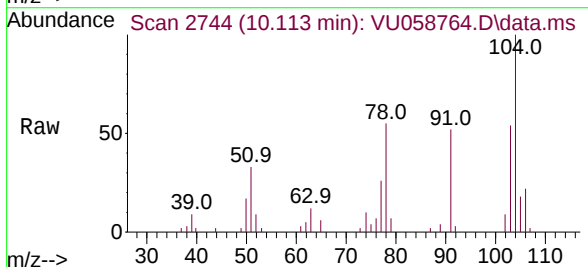
Instrument :  
MSVOA\_U  
ClientSampleId :

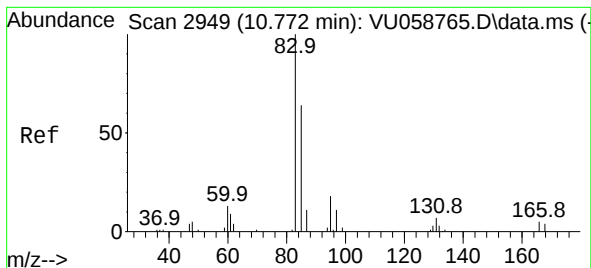
Tgt Ion:106 Resp: 9643  
Ion Ratio Lower Upper  
106 100  
91 217.9 163.7 304.1



#55  
Styrene  
Concen: 0.696 ug/L  
RT: 10.113 min Scan# 2744  
Delta R.T. 0.006 min  
Lab File: VU058764.D  
Acq: 22 Apr 2024 12:01

Tgt Ion:104 Resp: 14627  
Ion Ratio Lower Upper  
104 100  
78 55.3 37.1 68.9





#57

1,1,2,2-Tetrachloroethane

Concen: 0.746 ug/L

RT: 10.775 min Scan# 2949

Delta R.T. 0.003 min

Lab File: VU058764.D

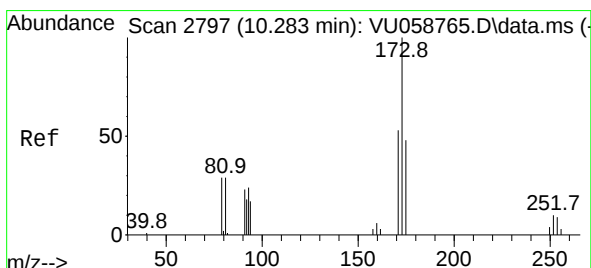
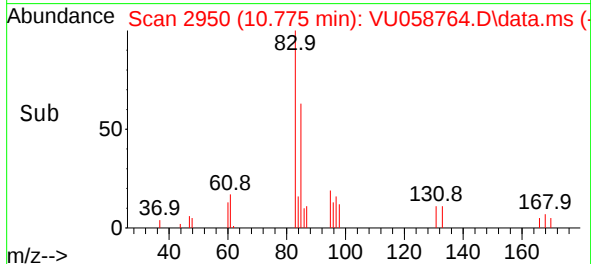
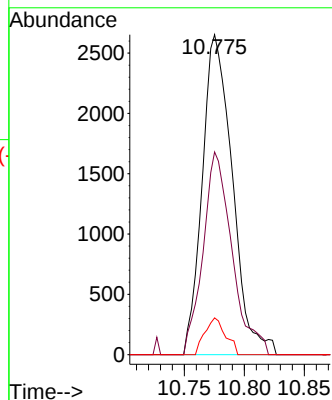
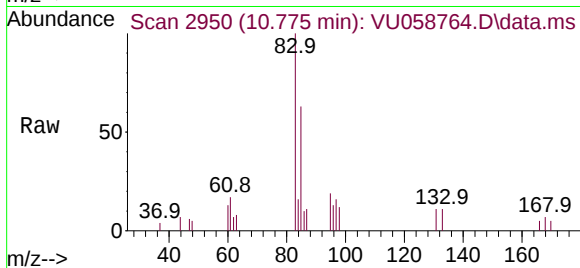
Acq: 22 Apr 2024 12:01

Instrument :

MSVOA\_U

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 4631  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 63.3  | 44.6  | 82.8  |
| 131      | 11.5  | 6.7   | 10.1# |



#59

Bromoform

Concen: 0.883 ug/L

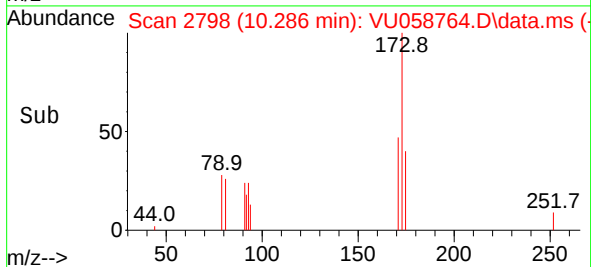
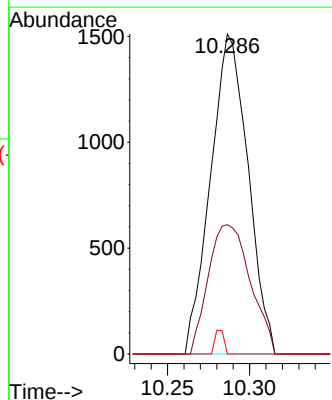
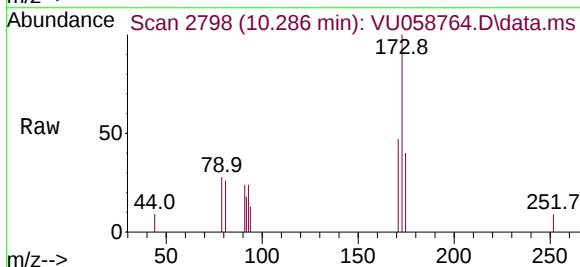
RT: 10.286 min Scan# 2798

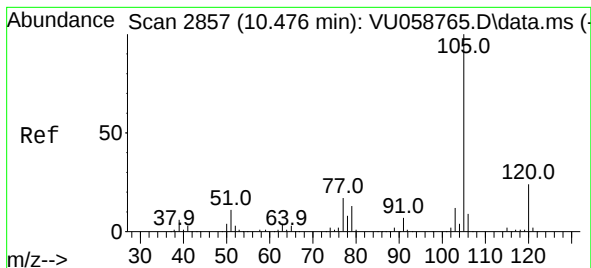
Delta R.T. 0.003 min

Lab File: VU058764.D

Acq: 22 Apr 2024 12:01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 2397  |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 45.3  | 39.3  | 58.9  |
| 254      | 1.8   | 7.5   | 11.3# |





#60

Isopropylbenzene

Concen: 0.864 ug/L

RT: 10.479 min Scan# 2857

Delta R.T. 0.003 min

Lab File: VU058764.D

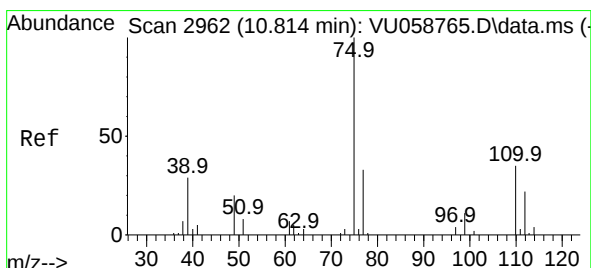
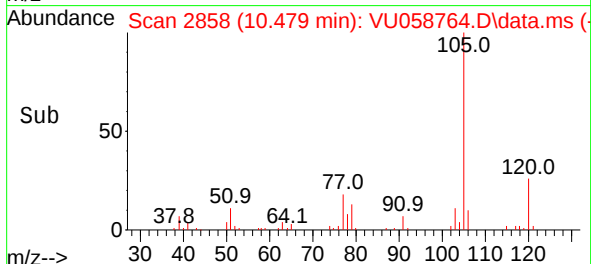
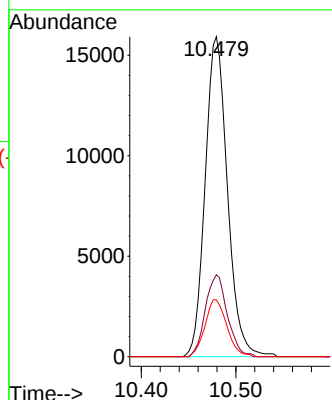
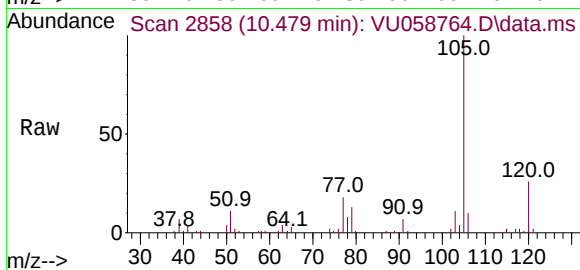
Acq: 22 Apr 2024 12:01

Instrument :

MSVOA\_U

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 26057 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 25.2  | 19.6  | 29.4  |
| 77        | 17.5  | 13.8  | 20.8  |



#61

1,2,3-Trichloropropane

Concen: 0.781 ug/L

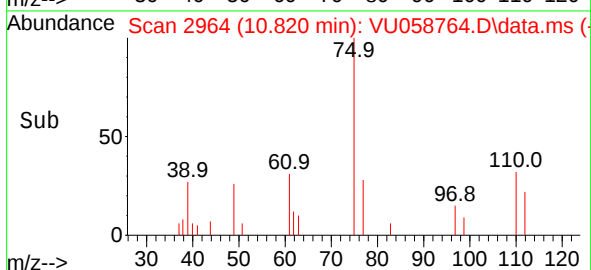
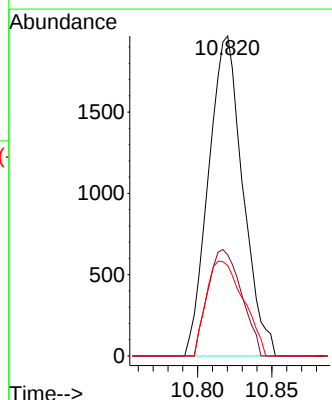
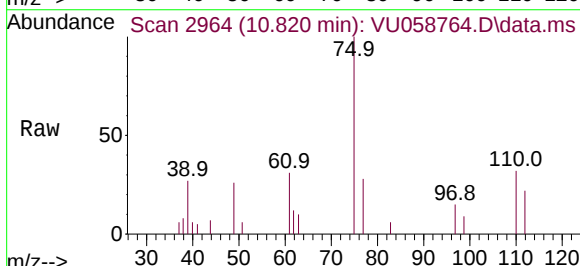
RT: 10.820 min Scan# 2964

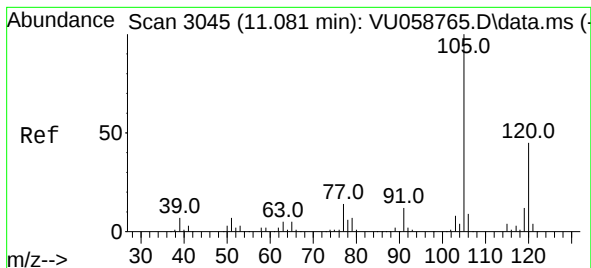
Delta R.T. 0.006 min

Lab File: VU058764.D

Acq: 22 Apr 2024 12:01

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 75    | Resp: | 3160 |
| Ion Ratio | Lower | Upper |      |
| 75        | 100   |       |      |
| 110       | 32.6  | 28.6  | 43.0 |
| 77        | 32.0  | 25.4  | 38.2 |





#62

1,3,5-Trimethylbenzene

Concen: 0.864 ug/L

RT: 11.084 min Scan# 3045

Delta R.T. 0.003 min

Lab File: VU058764.D

Acq: 22 Apr 2024 12:01

Instrument :

MSVOA\_U

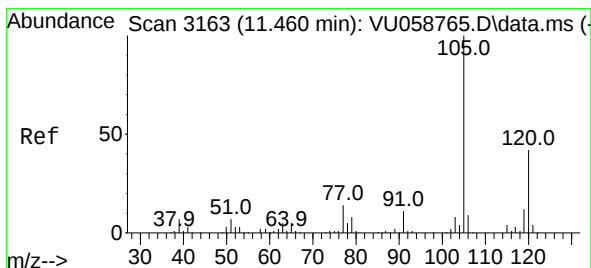
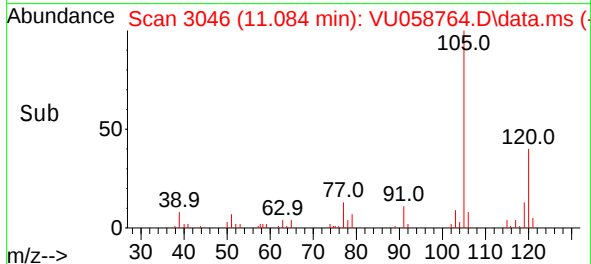
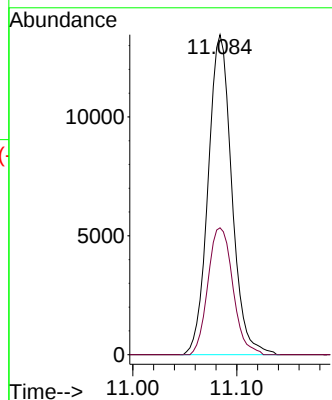
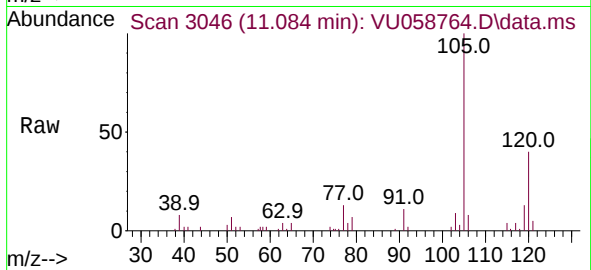
ClientSampleId :

Tgt Ion:105 Resp: 21300

Ion Ratio Lower Upper

105 100

120 41.7 36.2 54.4



#63

1,2,4-Trimethylbenzene

Concen: 0.750 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.003 min

Lab File: VU058764.D

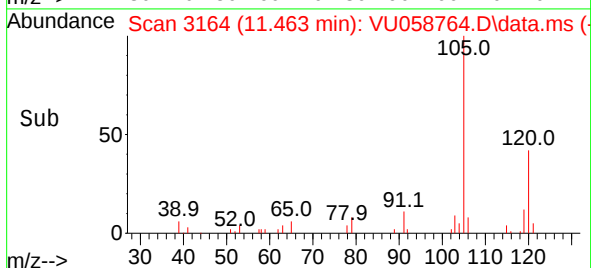
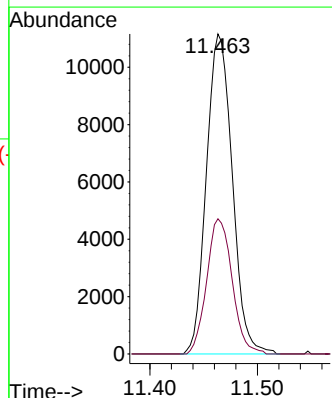
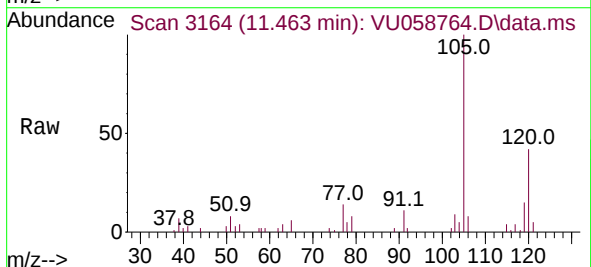
Acq: 22 Apr 2024 12:01

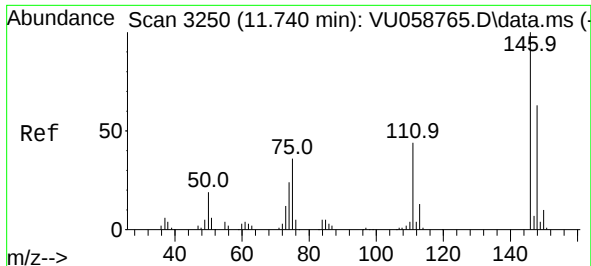
Tgt Ion:105 Resp: 18674

Ion Ratio Lower Upper

105 100

120 41.6 33.4 50.0





#64

1,3-Dichlorobenzene

Concen: 0.802 ug/L

RT: 11.743 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU058764.D

Acq: 22 Apr 2024 12:01

Instrument :

MSVOA\_U

ClientSampleId :

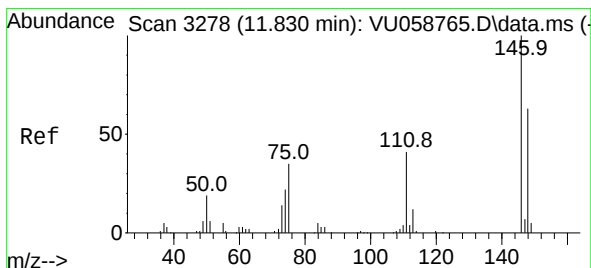
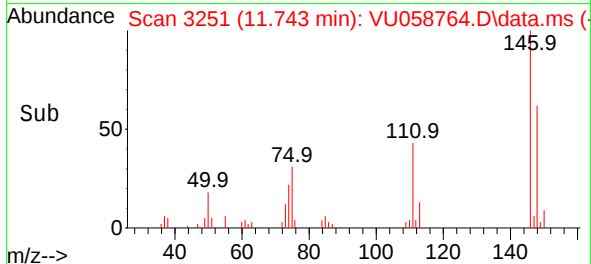
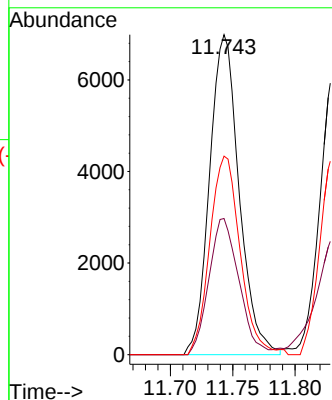
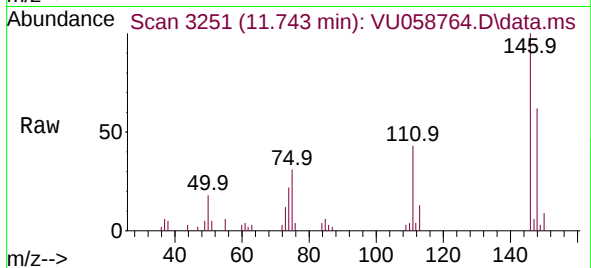
Tgt Ion:146 Resp: 11523

Ion Ratio Lower Upper

146 100

111 42.6 30.9 57.3

148 62.0 44.2 82.0



#65

1,4-Dichlorobenzene

Concen: 0.813 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. 0.003 min

Lab File: VU058764.D

Acq: 22 Apr 2024 12:01

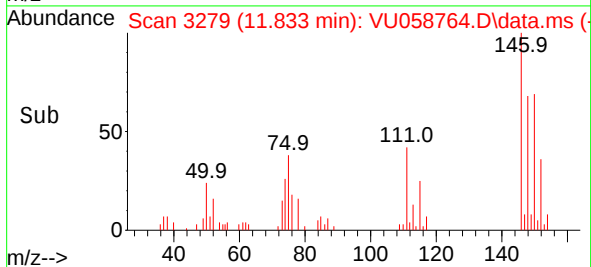
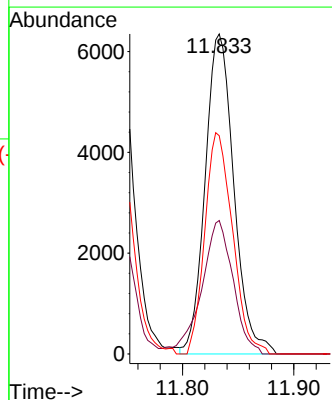
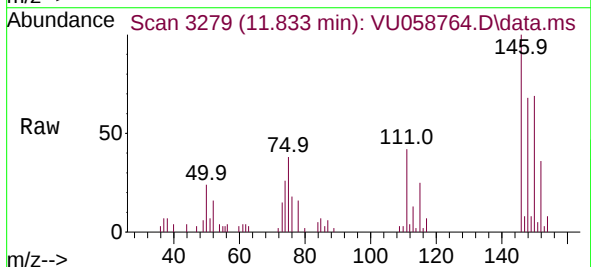
Tgt Ion:146 Resp: 11401

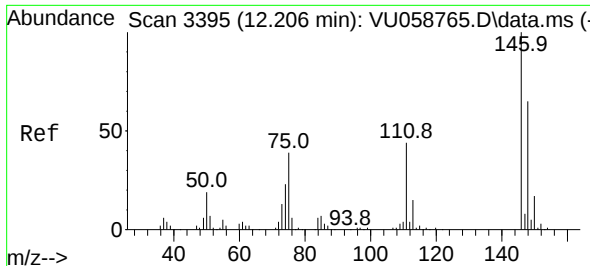
Ion Ratio Lower Upper

146 100

111 41.7 29.3 54.3

148 68.2 44.4 82.4

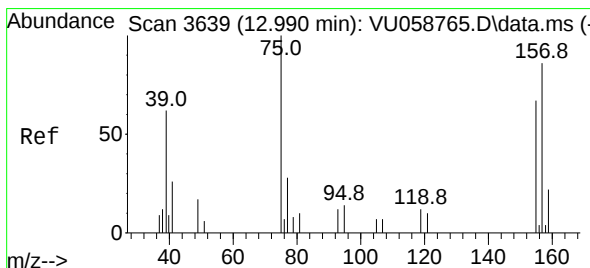
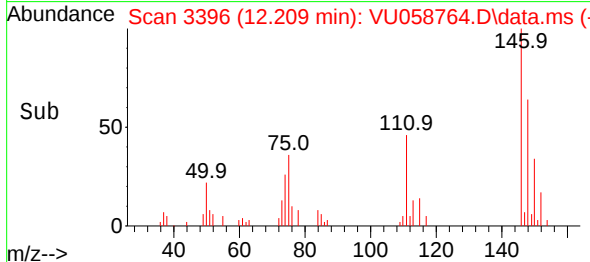
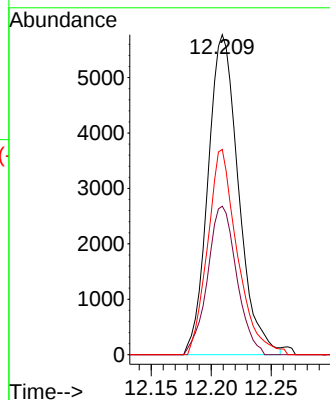
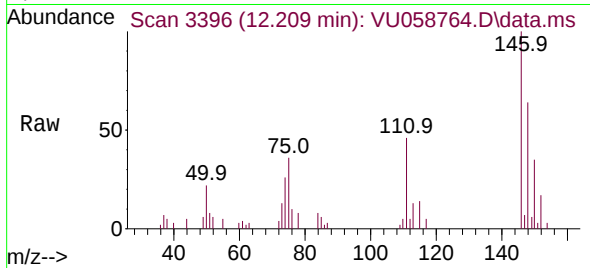




#67  
1,2-Dichlorobenzene  
Concen: 0.789 ug/L  
RT: 12.209 min Scan# 3411  
Delta R.T. 0.003 min  
Lab File: VU058764.D  
Acq: 22 Apr 2024 12:01

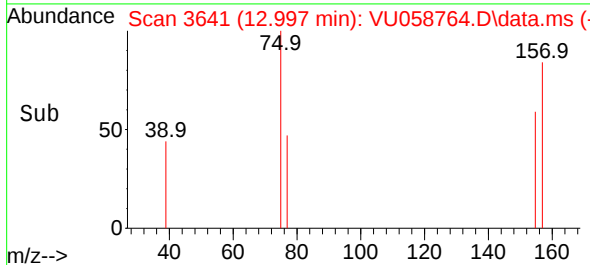
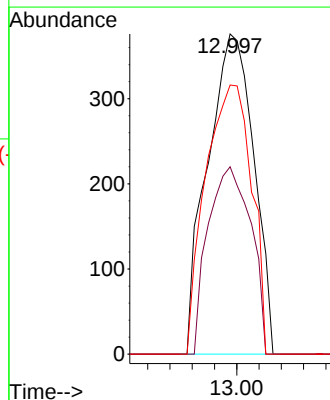
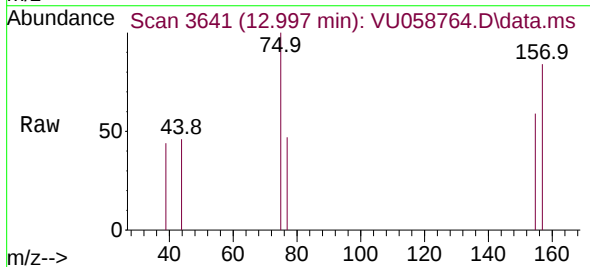
Instrument :  
MSVOA\_U  
ClientSampleId :

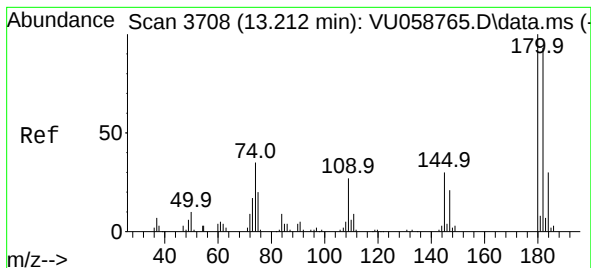
Tgt Ion:146 Resp: 10224  
Ion Ratio Lower Upper  
146 100  
111 46.4 35.7 53.5  
148 64.1 51.6 77.4



#68  
1,2-Dibromo-3-chloropropane  
Concen: 0.759 ug/L  
RT: 12.997 min Scan# 3641  
Delta R.T. 0.006 min  
Lab File: VU058764.D  
Acq: 22 Apr 2024 12:01

Tgt Ion: 75 Resp: 541  
Ion Ratio Lower Upper  
75 100  
155 58.5 53.6 80.4  
157 84.0 68.7 103.1





#69

1,3,5-Trichlorobenzene

Concen: 0.742 ug/L

RT: 13.216 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU058764.D

Acq: 22 Apr 2024 12:01

Instrument :

MSVOA\_U

ClientSampleId :

Tgt Ion:180 Resp: 7852

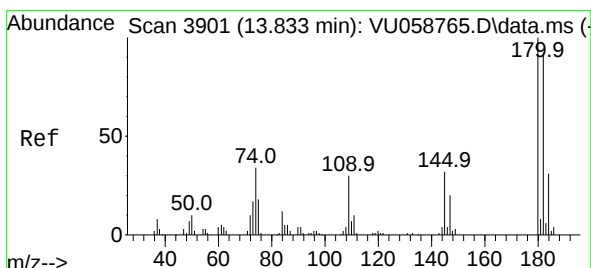
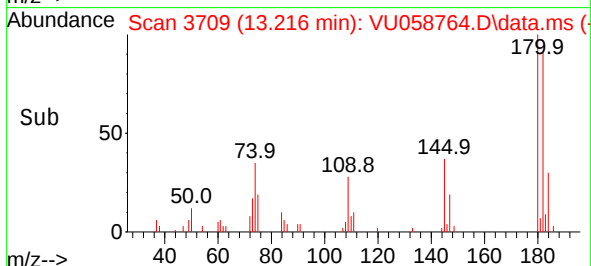
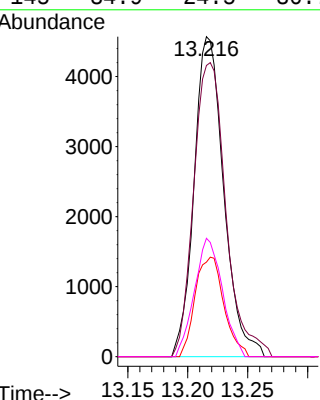
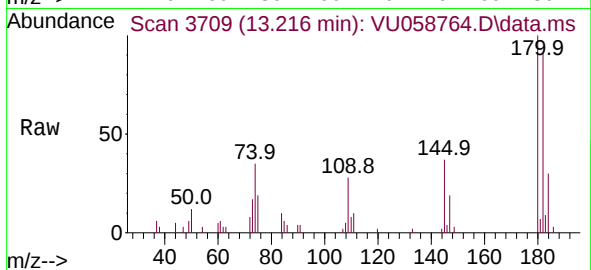
Ion Ratio Lower Upper

180 100

182 99.6 75.9 113.9

184 30.2 24.7 37.1

145 34.9 24.5 36.7



#70

1,2,4-trichlorobenzene

Concen: 0.620 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.006 min

Lab File: VU058764.D

Acq: 22 Apr 2024 12:01

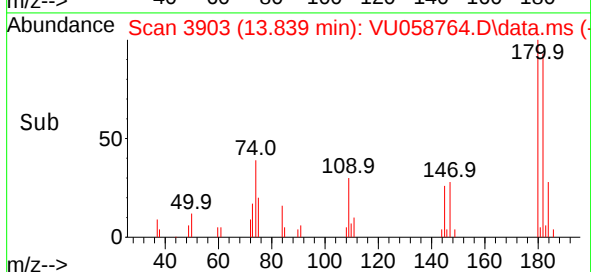
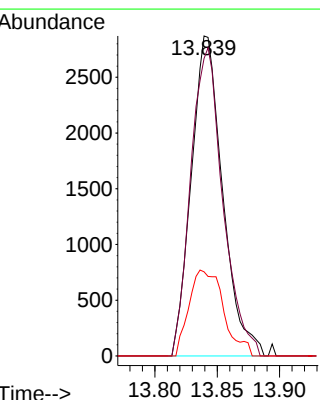
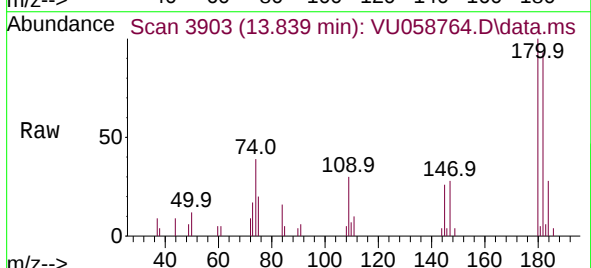
Tgt Ion:180 Resp: 5031

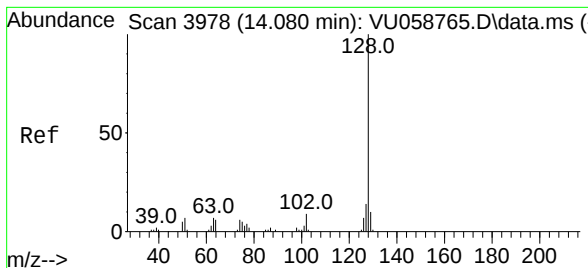
Ion Ratio Lower Upper

180 100

182 98.4 75.9 113.9

145 29.6 25.7 38.5





#71

Naphthalene

Concen: 0.454 ug/L

RT: 14.097 min Scan# 3978

Delta R.T. 0.016 min

Lab File: VU058764.D

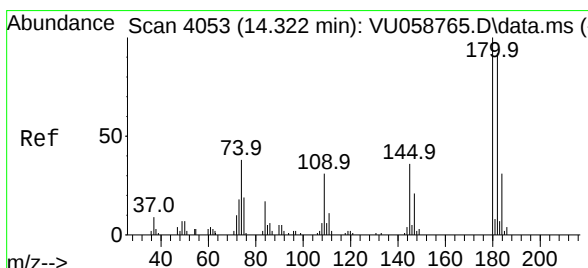
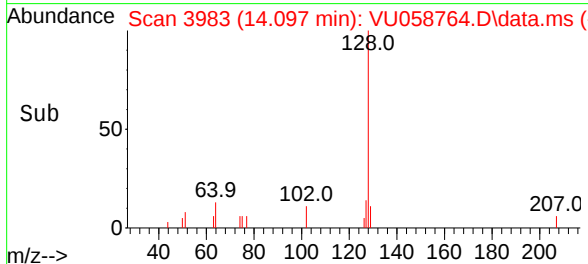
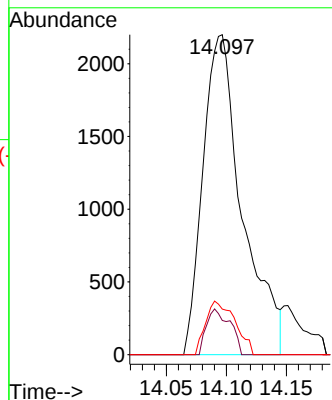
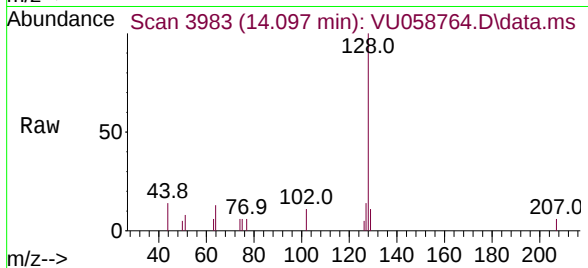
Acq: 22 Apr 2024 12:01

Instrument :

MSVOA\_U

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:128 | Resp: | 4999      |
| Ion Ratio   | Lower | Upper     |
| 128         | 100   |           |
| 129         | 8.6   | 8.2 12.4  |
| 127         | 12.6  | 10.8 16.2 |



#72

1,2,3-Trichlorobenzene

Concen: 0.607 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.003 min

Lab File: VU058764.D

Acq: 22 Apr 2024 12:01

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 4046       |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 94.9  | 75.0 112.6 |
| 145         | 37.0  | 27.6 41.4  |

