

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU051521\  
 Data File : VU043760.D  
 Acq On : 14 May 2021 16:58  
 Operator : SY/MD  
 Sample : VSTD0.533  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: May 15 00:29:29 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR051521WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat May 15 00:28:02 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|------|--------|----------|
| -----                         |        |      |          |      |        |          |
| Internal Standards            |        |      |          |      |        |          |
| 1) 1,4-Difluorobenzene        | 6.257  | 114  | 237204   | 5.00 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.424  | 117  | 229063   | 5.00 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.819 | 152  | 114162   | 5.00 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |      |        |          |
| 4) Vinyl Chloride-d3          | 1.601  | 65   | 8755     | 0.46 | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.919  | 69   | 6361     | 0.46 | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.572  | 65   | 3687     | 0.41 | ug/L   | 0.00     |
| 20) 2-Butanone-d5             | 4.652  | 46   | 13582    | 2.65 | ug/L   | 0.00     |
| 24) Chloroform-d              | 5.073  | 84   | 13946    | 0.40 | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.713  | 65   | 7627     | 0.37 | ug/L   | 0.00     |
| 32) Benzene-d6                | 5.736  | 84   | 28417    | 0.47 | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.700  | 67   | 9569     | 0.46 | ug/L   | 0.00     |
| 41) Toluene-d8                | 7.906  | 98   | 26399    | 0.47 | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.186  | 79   | 3170     | 0.38 | ug/L   | 0.00     |
| 46) 2-Hexanone-d5             | 8.646  | 63   | 13980    | 4.06 | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.764 | 84   | 8056     | 0.48 | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.202 | 152  | 11089    | 0.55 | ug/L   | 0.00     |
| Target Compounds              |        |      |          |      |        |          |
|                               |        |      |          |      |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.389  | 85   | 7732     | 0.47 | ug/L   | 99       |
| 3) Chloromethane              | 1.520  | 50   | 10057    | 0.56 | ug/L   | 99       |
| 5) Vinyl chloride             | 1.607  | 62   | 9223     | 0.54 | ug/L   | 93       |
| 6) Bromomethane               | 1.861  | 94   | 6049     | 0.71 | ug/L   | 100      |
| 8) Chloroethane               | 1.938  | 64   | 5423     | 0.51 | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 2.144  | 101  | 10755    | 0.43 | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.588  | 101  | 7077     | 0.45 | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.585  | 96   | 7039     | 0.51 | ug/L   | 88       |
| 13) Acetone                   | 2.652  | 43   | 8451     | 2.48 | ug/L   | 96       |
| 14) Carbon disulfide          | 2.800  | 76   | 24887    | 0.66 | ug/L   | 98       |
| 15) Methyl Acetate            | 2.961  | 43   | 2733     | 0.33 | ug/L # | 72       |
| 16) Methylene chloride        | 3.054  | 84   | 15085    | 0.69 | ug/L   | 95       |
| 17) Methyl tert-butyl Ether   | 3.376  | 73   | 14844    | 0.39 | ug/L # | 91       |
| 18) trans-1,2-Dichloroethene  | 3.363  | 96   | 7522     | 0.52 | ug/L   | 93       |
| 19) 1,1-Dichloroethane        | 3.881  | 63   | 13248    | 0.41 | ug/L   | 98       |
| 21) 2-Butanone                | 4.729  | 43   | 16434    | 2.92 | ug/L   | 90       |
| 22) cis-1,2-Dichloroethene    | 4.675  | 96   | 7769     | 0.47 | ug/L   | 89       |
| 23) Bromochloromethane        | 4.987  | 128  | 3676     | 0.49 | ug/L   | 86       |
| 25) Chloroform                | 5.096  | 83   | 13507    | 0.39 | ug/L   | 94       |
| 27) 1,2-Dichloroethane        | 5.806  | 62   | 8064     | 0.36 | ug/L # | 93       |
| 29) 1,1,1-Trichloroethane     | 5.324  | 97   | 10409    | 0.39 | ug/L   | 99       |
| 30) Cyclohexane               | 5.395  | 56   | 10798    | 0.48 | ug/L   | 98       |
| 31) Carbon tetrachloride      | 5.533  | 117  | 9037     | 0.42 | ug/L   | 93       |
| 33) Benzene                   | 5.781  | 78   | 28868    | 0.47 | ug/L   | 100      |
| 34) Trichloroethene           | 6.549  | 95   | 7814     | 0.50 | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.771  | 83   | 10288    | 0.48 | ug/L   | 96       |
| 37) 1,2-Dichloropropane       | 6.800  | 63   | 7600     | 0.43 | ug/L   | 98       |
| 38) Bromodichloromethane      | 7.112  | 83   | 8917     | 0.39 | ug/L   | 93       |
| 39) cis-1,3-Dichloropropene   | 7.617  | 75   | 9304     | 0.39 | ug/L   | 95       |
| 40) 4-Methyl-2-pentanone      | 7.803  | 43   | 45928    | 3.37 | ug/L   | 99       |
| 42) Toluene                   | 7.977  | 91   | 28251    | 0.43 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 8.218  | 75   | 8117     | 0.38 | ug/L   | 90       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU051521\  
 Data File : VU043760.D  
 Acq On : 14 May 2021 16:58  
 Operator : SY/MD  
 Sample : VSTD0.533  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 8 Sample Multiplier: 1

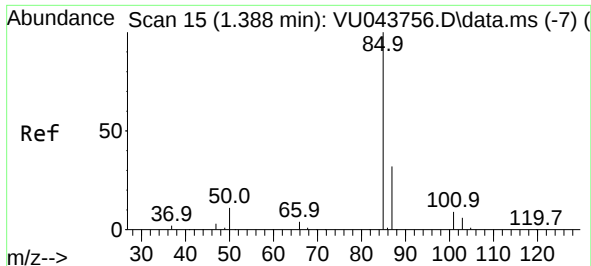
Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: May 15 00:29:29 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR051521WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat May 15 00:28:02 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|------|--------|----------|
| -----                         |        |      |          |      |        |          |
| 45) 1,1,2-Trichloroethane     | 8.408  | 97   | 5391     | 0.43 | ug/L   | 98       |
| 47) Tetrachloroethene         | 8.562  | 164  | 5954     | 0.50 | ug/L   | 95       |
| 48) 2-Hexanone                | 8.697  | 43   | 35028    | 3.50 | ug/L   | 95       |
| 49) Dibromochloromethane      | 8.816  | 129  | 5903     | 0.40 | ug/L   | 97       |
| 50) 1,2-Dibromoethane         | 8.932  | 107  | 5002     | 0.43 | ug/L # | 93       |
| 51) Chlorobenzene             | 9.453  | 112  | 19570    | 0.48 | ug/L   | 97       |
| 52) Ethylbenzene              | 9.578  | 91   | 28807    | 0.42 | ug/L   | 97       |
| 53) m,p-Xylene                | 9.700  | 106  | 10707    | 0.43 | ug/L   | 93       |
| 54) o-Xylene                  | 10.109 | 106  | 9955     | 0.41 | ug/L   | 95       |
| 55) Styrene                   | 10.121 | 104  | 15679    | 0.37 | ug/L   | 95       |
| 57) 1,1,2,2-Tetrachloroethane | 10.790 | 83   | 6993     | 0.43 | ug/L   | 96       |
| 59) Bromoform                 | 10.298 | 173  | 3443     | 0.42 | ug/L   | 98       |
| 60) Isopropylbenzene          | 10.491 | 105  | 24758    | 0.39 | ug/L   | 97       |
| 61) 1,2,3-Trichloropropane    | 10.832 | 75   | 5441     | 0.48 | ug/L   | 92       |
| 62) 1,3,5-Trimethylbenzene    | 11.096 | 105  | 18509    | 0.37 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 11.472 | 105  | 19035    | 0.38 | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.752 | 146  | 14920    | 0.48 | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.842 | 146  | 15437    | 0.48 | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 12.221 | 146  | 14460    | 0.46 | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 13.002 | 75   | 1101     | 0.42 | ug/L   | 97       |
| 69) 1,3,5-Trichlorobenzene    | 13.227 | 180  | 12532    | 0.51 | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 13.848 | 180  | 10575    | 0.52 | ug/L   | 97       |
| 71) Naphthalene               | 14.096 | 128  | 18225    | 0.53 | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 14.340 | 180  | 9901     | 0.52 | ug/L   | 99       |
| -----                         |        |      |          |      |        |          |

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

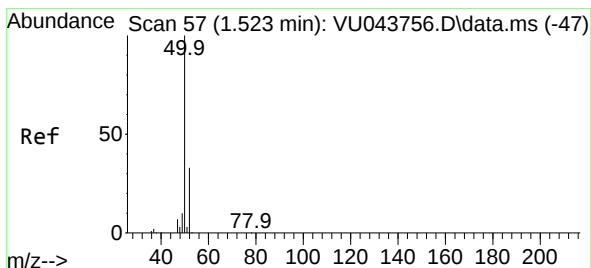
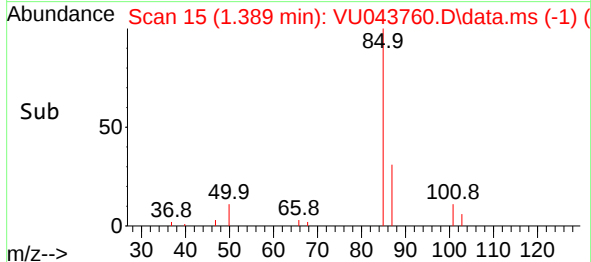
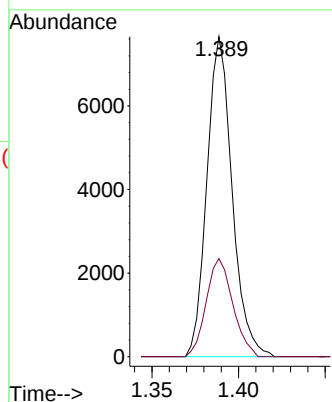
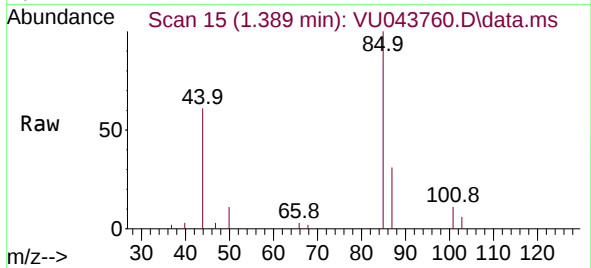




#2  
Dichlorodifluoromethane  
Concen: 0.47 ug/L  
RT: 1.389 min Scan# 15  
Delta R.T. 0.000 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

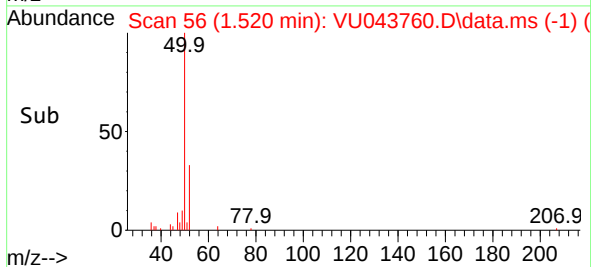
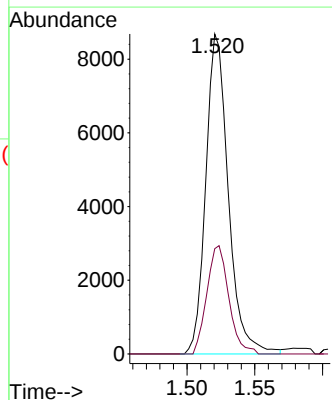
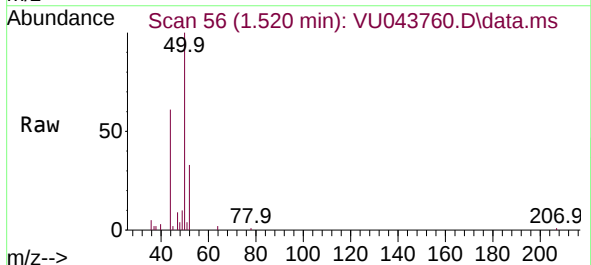
Instrument :  
MSVOA\_U  
ClientSampled :

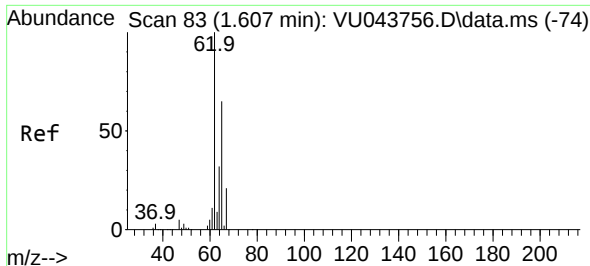
Tgt Ion: 85 Resp: 7732  
Ion Ratio Lower Upper  
85 100  
87 32.3 25.5 38.3



#3  
Chloromethane  
Concen: 0.56 ug/L  
RT: 1.520 min Scan# 56  
Delta R.T. -0.003 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

Tgt Ion: 50 Resp: 10057  
Ion Ratio Lower Upper  
50 100  
52 32.9 23.2 43.2

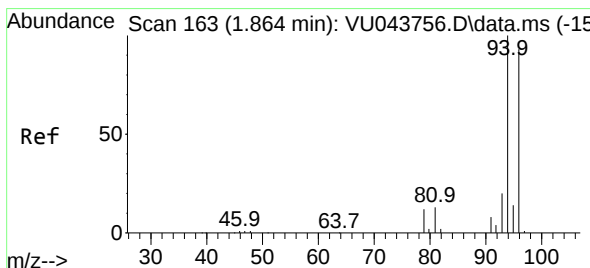
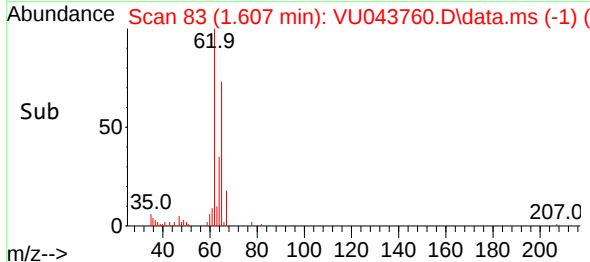
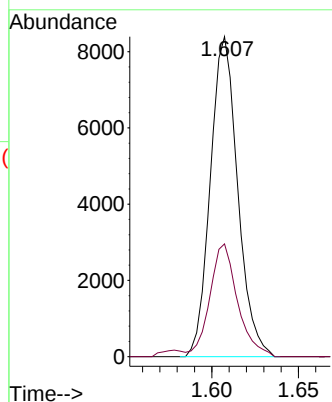
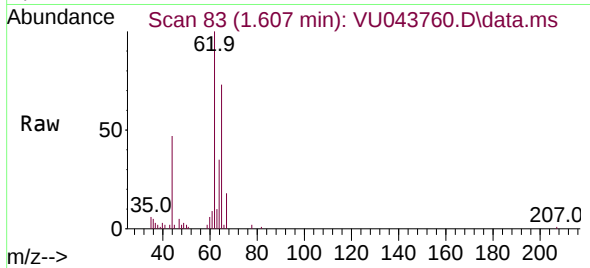




#5  
 Vinyl chloride  
 Concen: 0.54 ug/L  
 RT: 1.607 min Scan# 83  
 Delta R.T. 0.000 min  
 Lab File: VU043760.D  
 Acq: 14 May 2021 16:58

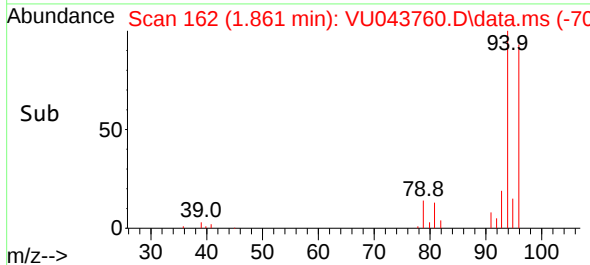
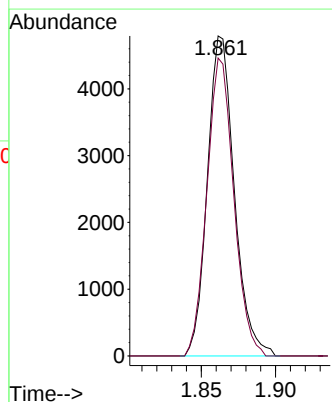
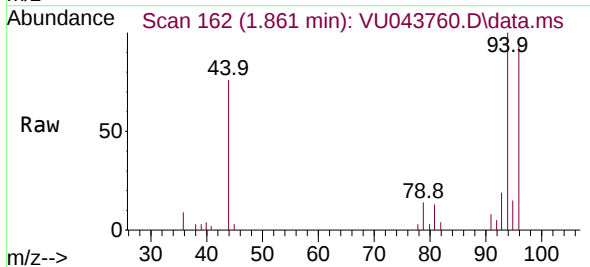
Instrument :  
 MSVOA\_U  
 ClientSampled :

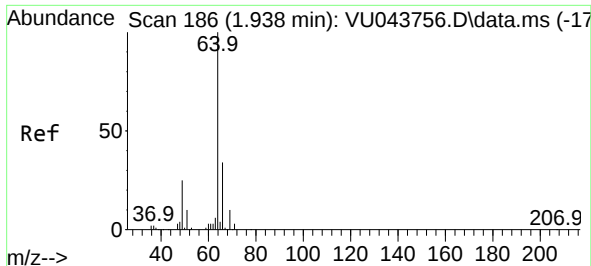
Tgt Ion: 62 Resp: 9223  
 Ion Ratio Lower Upper  
 62 100  
 64 35.3 22.1 41.1



#6  
 Bromomethane  
 Concen: 0.71 ug/L  
 RT: 1.861 min Scan# 162  
 Delta R.T. -0.003 min  
 Lab File: VU043760.D  
 Acq: 14 May 2021 16:58

Tgt Ion: 94 Resp: 6049  
 Ion Ratio Lower Upper  
 94 100  
 96 93.1 65.0 120.8

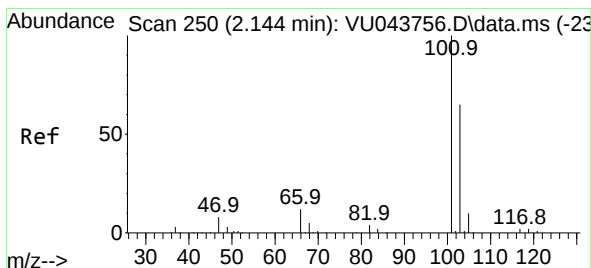
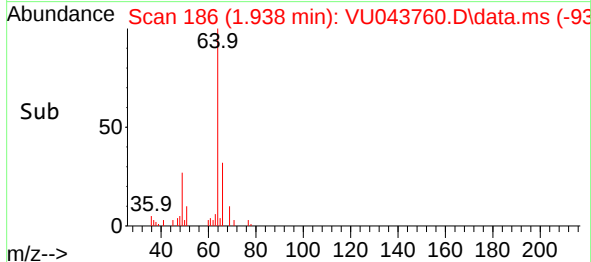
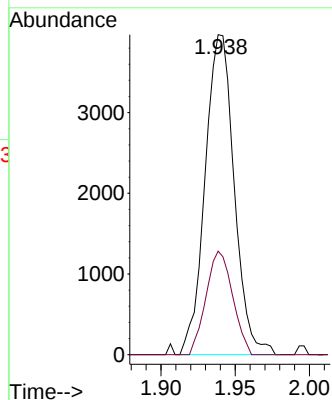
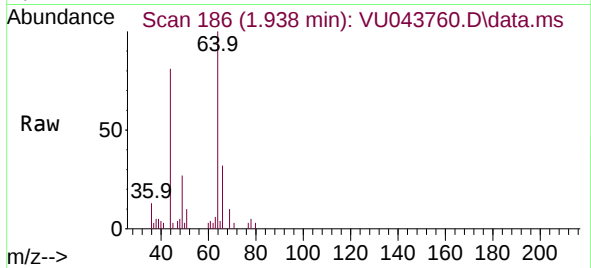




#8  
Chloroethane  
Concen: 0.51 ug/L  
RT: 1.938 min Scan# 186  
Delta R.T. 0.000 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

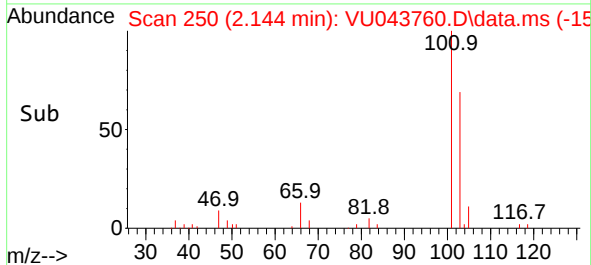
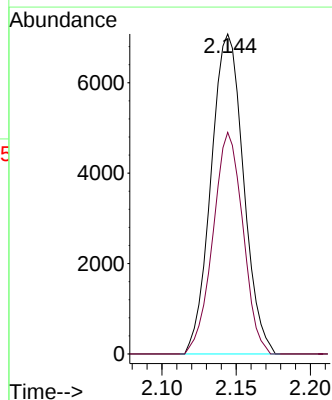
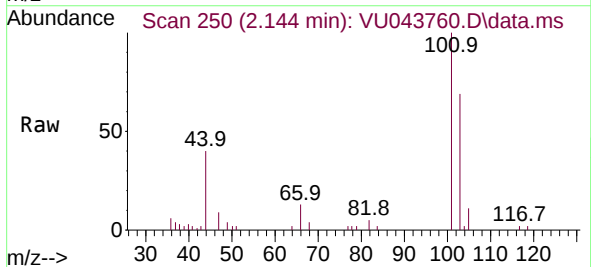
Instrument :  
MSVOA\_U  
ClientSampleId :

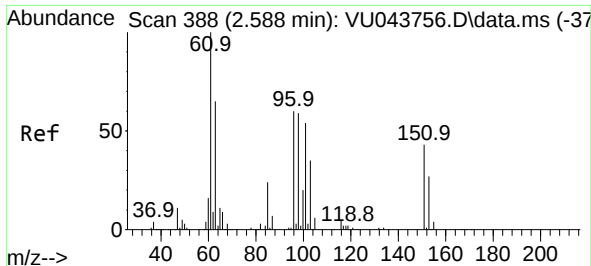
Tgt Ion: 64 Resp: 5423  
Ion Ratio Lower Upper  
64 100  
66 32.4 23.4 43.6



#9  
Trichlorofluoromethane  
Concen: 0.43 ug/L  
RT: 2.144 min Scan# 250  
Delta R.T. 0.000 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

Tgt Ion: 101 Resp: 10755  
Ion Ratio Lower Upper  
101 100  
103 63.9 52.1 78.1





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.45 ug/L

RT: 2.588 min Scan# 388

Delta R.T. 0.000 min

Lab File: VU043760.D

Acq: 14 May 2021 16:58

Tgt Ion: 101 Resp: 7077

Ion Ratio Lower Upper

101 100

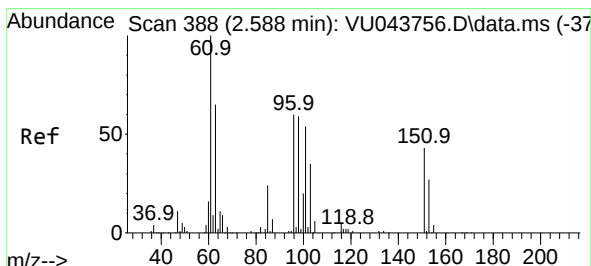
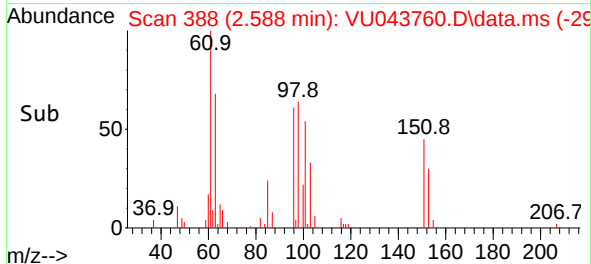
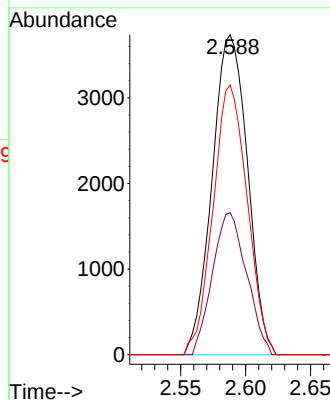
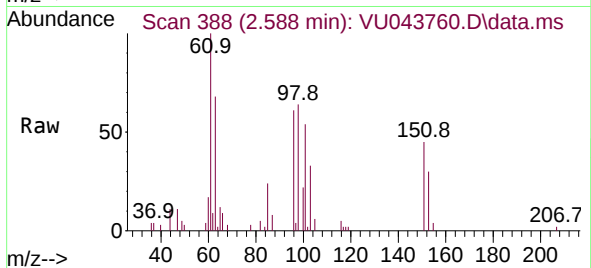
85 42.8 34.3 51.5

151 81.6 62.7 94.1

Instrument :

MSVOA\_U

ClientSampleId :



#12

1,1-Dichloroethene

Concen: 0.51 ug/L

RT: 2.585 min Scan# 387

Delta R.T. -0.003 min

Lab File: VU043760.D

Acq: 14 May 2021 16:58

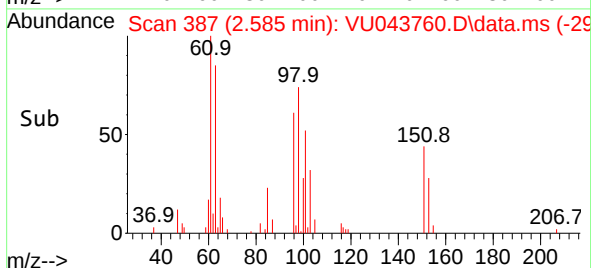
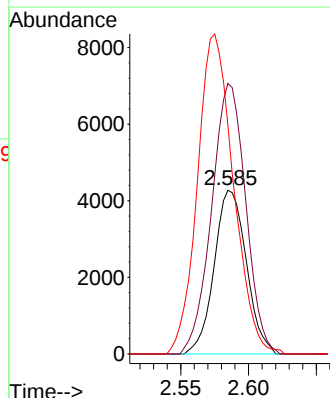
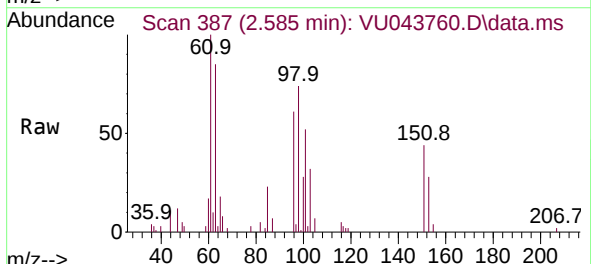
Tgt Ion: 96 Resp: 7039

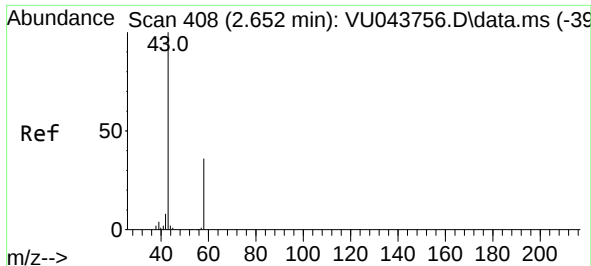
Ion Ratio Lower Upper

96 100

61 165.2 117.5 218.1

63 139.9 77.3 143.7

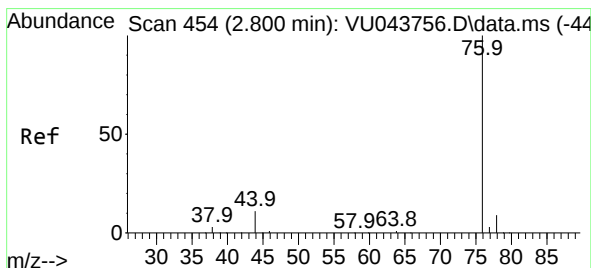
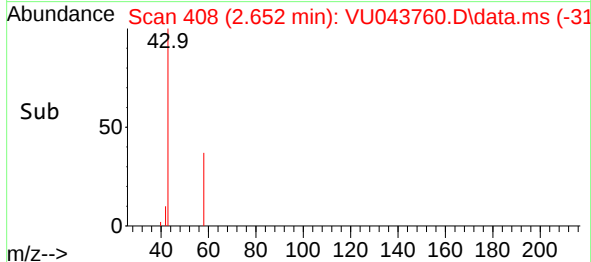
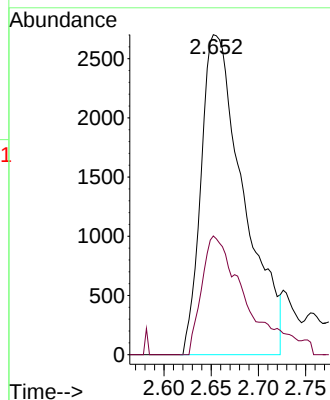
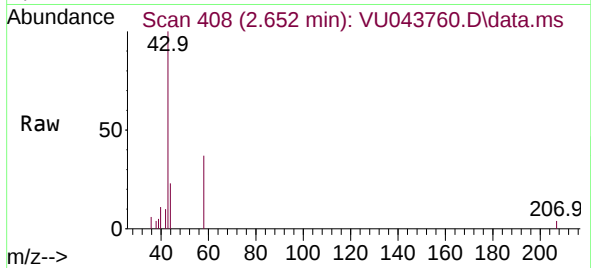




#13  
Acetone  
Concen: 2.48 ug/L  
RT: 2.652 min Scan# 408  
Delta R.T. 0.000 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

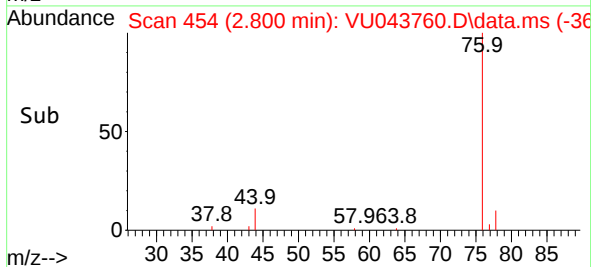
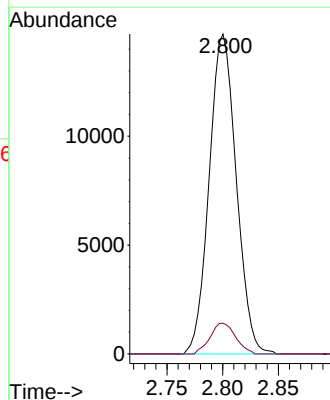
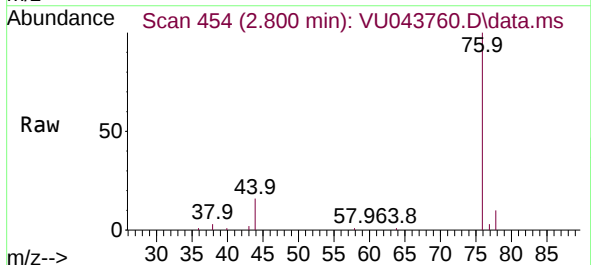
Instrument :  
MSVOA\_U  
ClientSampleId :

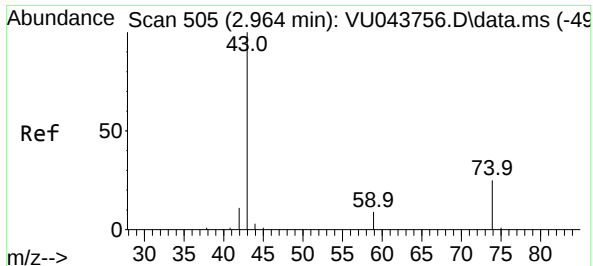
Tgt Ion: 43 Resp: 8451  
Ion Ratio Lower Upper  
43 100  
58 38.4 0.0 71.6



#14  
Carbon disulfide  
Concen: 0.66 ug/L  
RT: 2.800 min Scan# 454  
Delta R.T. 0.000 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

Tgt Ion: 76 Resp: 24887  
Ion Ratio Lower Upper  
76 100  
78 9.6 7.2 10.8

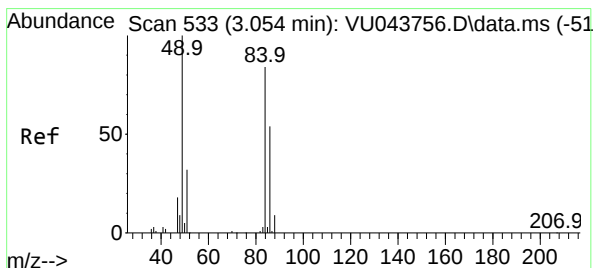
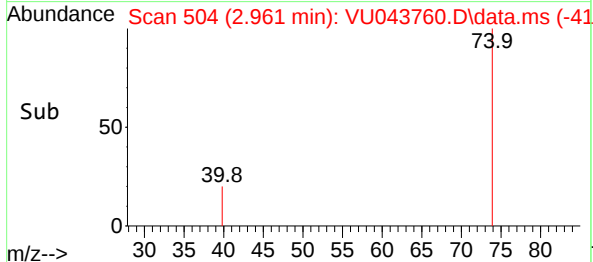
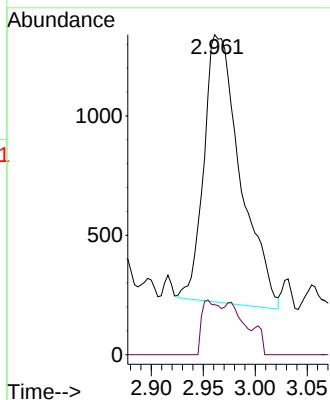
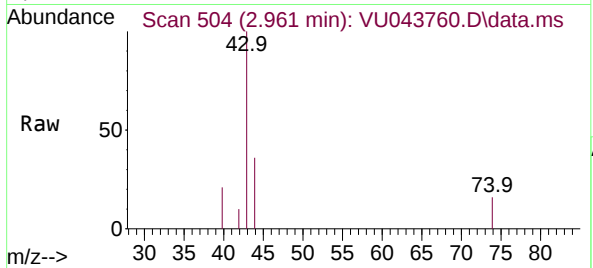




#15  
Methyl Acetate  
Concen: 0.33 ug/L  
RT: 2.961 min Scan# 504  
Delta R.T. -0.003 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

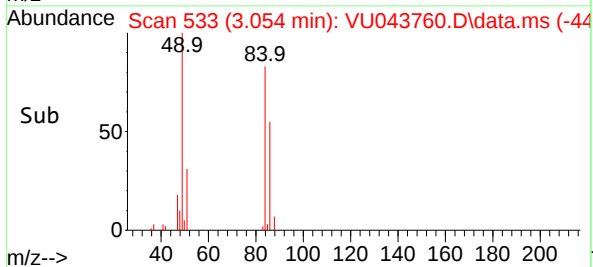
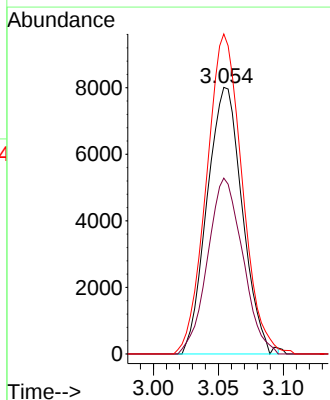
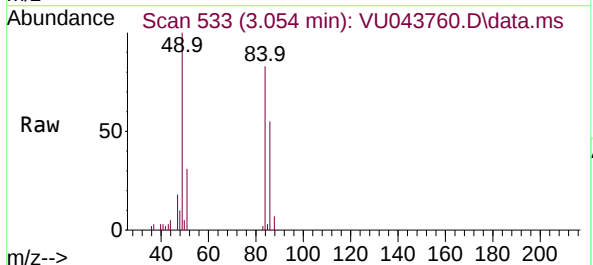
Instrument :  
MSVOA\_U  
ClientSampled :

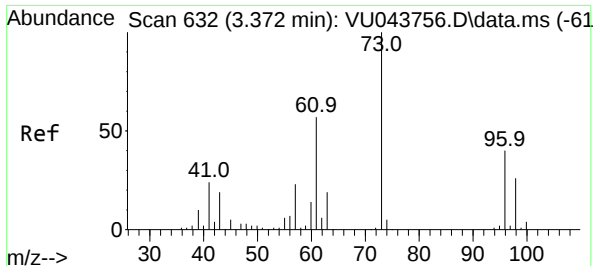
Tgt Ion: 43 Resp: 2733  
Ion Ratio Lower Upper  
43 100  
74 10.1 19.3 28.9#



#16  
Methylene chloride  
Concen: 0.69 ug/L  
RT: 3.054 min Scan# 533  
Delta R.T. 0.000 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

Tgt Ion: 84 Resp: 15085  
Ion Ratio Lower Upper  
84 100  
86 66.0 44.7 82.9  
49 126.3 83.1 154.3

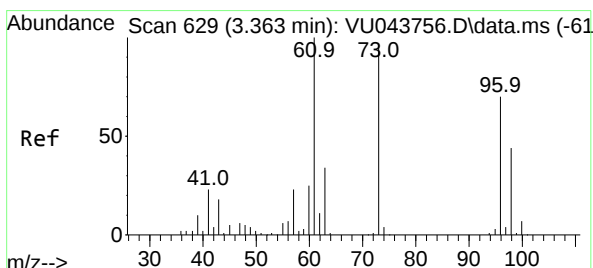
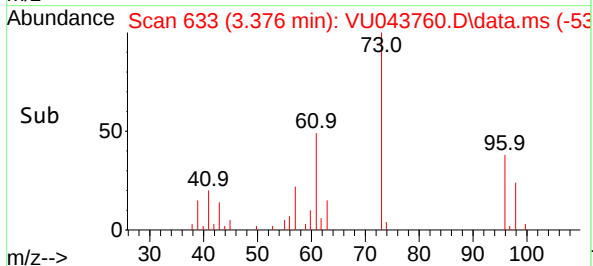
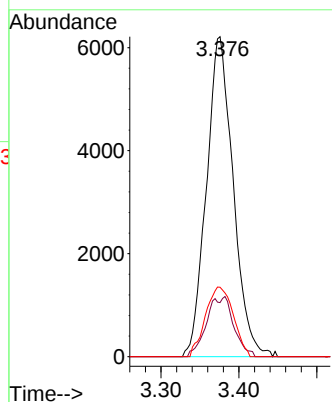
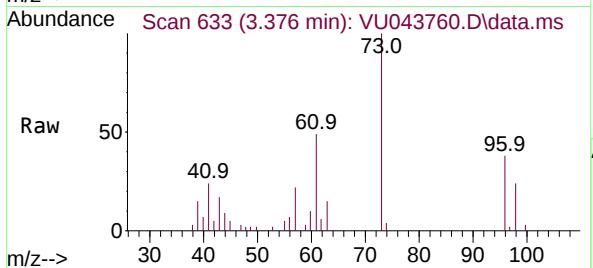




#17  
Methyl tert-butyl Ether  
Concen: 0.39 ug/L  
RT: 3.376 min Scan# 633  
Delta R.T. 0.004 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

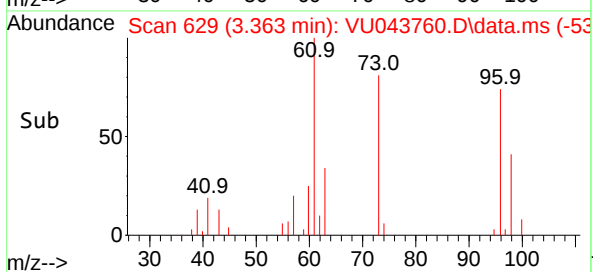
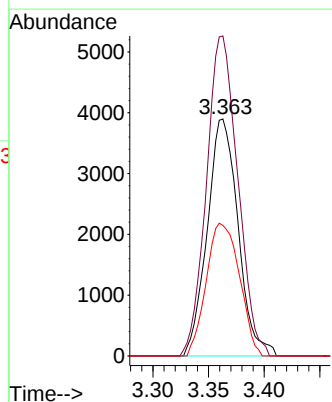
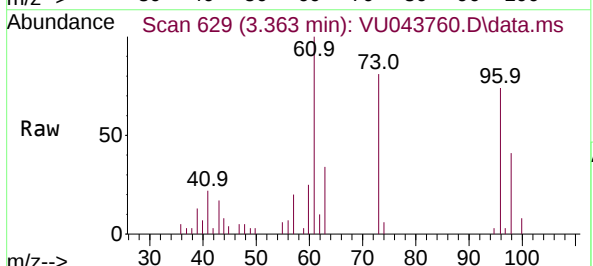
Instrument :  
MSVOA\_U  
ClientSampled :

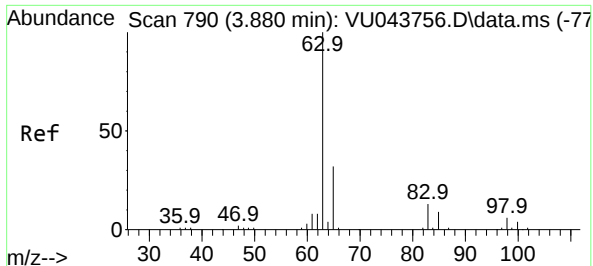
|             |             |
|-------------|-------------|
| Tgt Ion: 73 | Resp: 14844 |
| Ion Ratio   | Lower Upper |
| 73 100      |             |
| 43 10.2     | 15.0 22.4#  |
| 57 22.6     | 18.6 27.8   |



#18  
trans-1,2-Dichloroethene  
Concen: 0.52 ug/L  
RT: 3.363 min Scan# 629  
Delta R.T. 0.000 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 7522  |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 61 135.1    | 99.6 185.0  |
| 98 55.1     | 43.8 81.4   |





#19

1,1-Dichloroethane

Concen: 0.41 ug/L

RT: 3.881 min Scan# 790

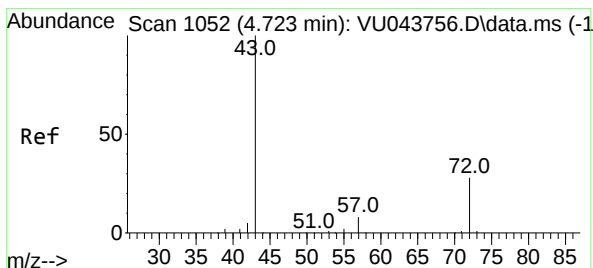
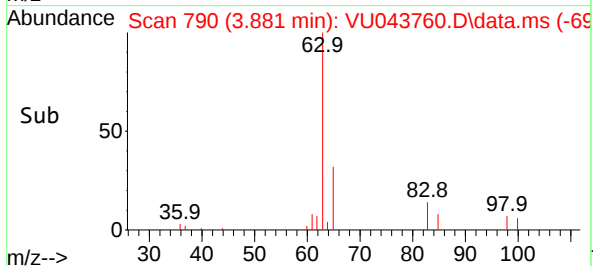
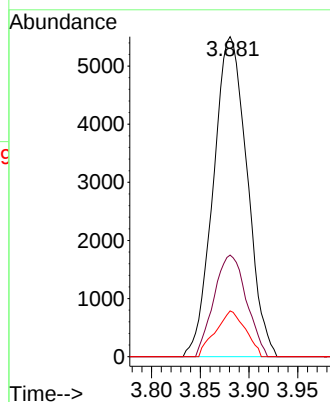
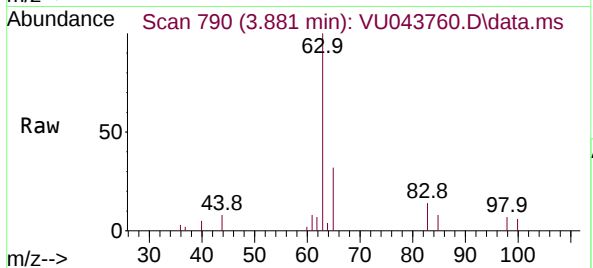
Delta R.T. 0.000 min

Lab File: VU043760.D

Acq: 14 May 2021 16:58

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 13248 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 30.7  | 22.3  | 41.3  |
| 83       | 13.8  | 9.0   | 16.8  |

Instrument :  
MSVOA\_U  
ClientSampled :



#21

2-Butanone

Concen: 2.92 ug/L

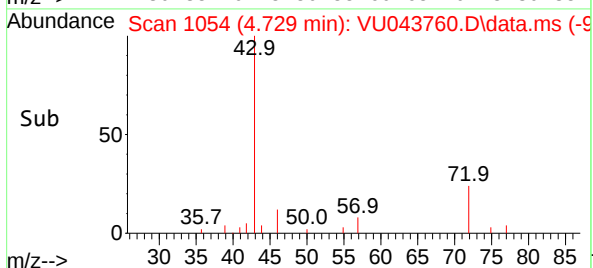
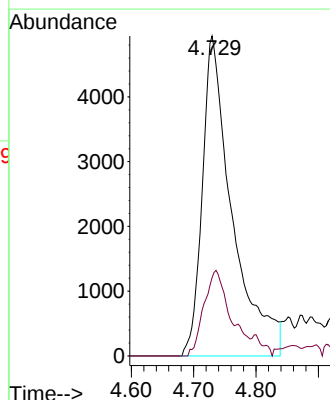
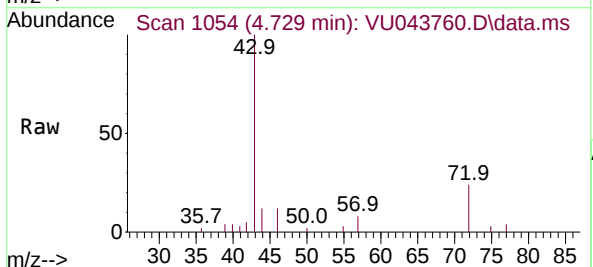
RT: 4.729 min Scan# 1054

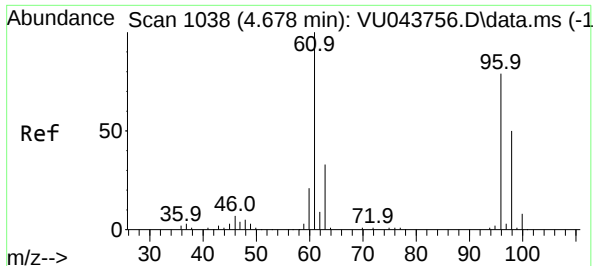
Delta R.T. 0.007 min

Lab File: VU043760.D

Acq: 14 May 2021 16:58

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 16434 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 23.8  | 14.5  | 43.6  |





#22

cis-1,2-Dichloroethene

Concen: 0.47 ug/L

RT: 4.675 min Scan# 1037

Delta R.T. -0.003 min

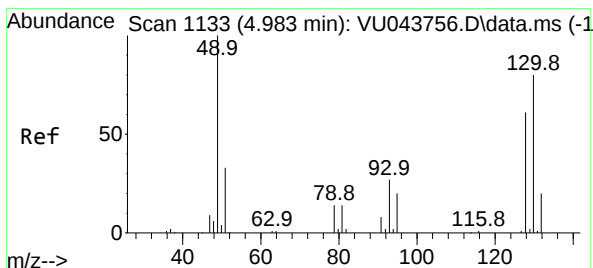
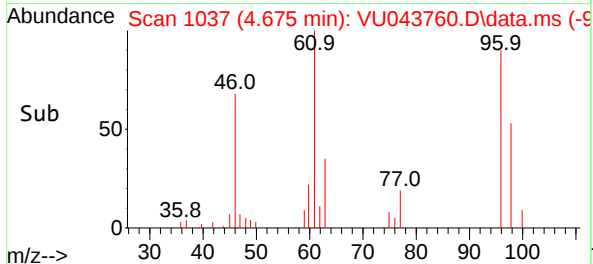
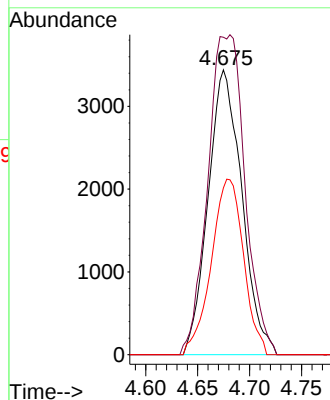
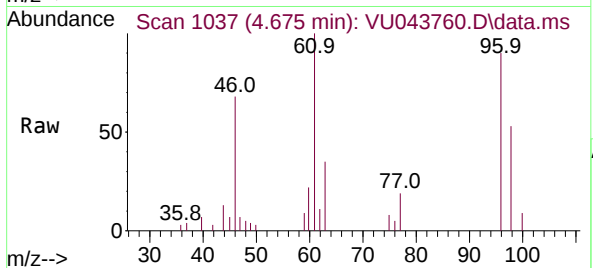
Lab File: VU043760.D

Acq: 14 May 2021 16:58

Instrument :  
MSVOA\_U  
ClientSampled :

Tgt Ion: 96 Resp: 7769

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 111.5 | 89.0  | 165.4 |
| 98  | 58.5  | 44.9  | 83.3  |



#23

Bromochloromethane

Concen: 0.49 ug/L

RT: 4.987 min Scan# 1134

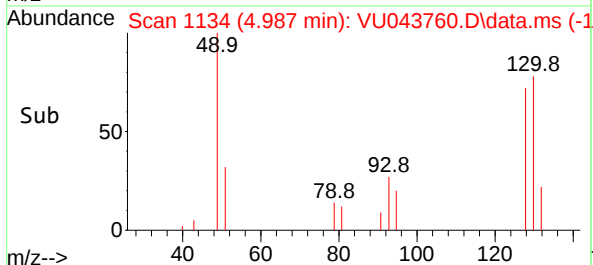
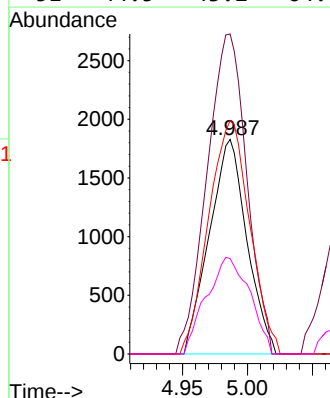
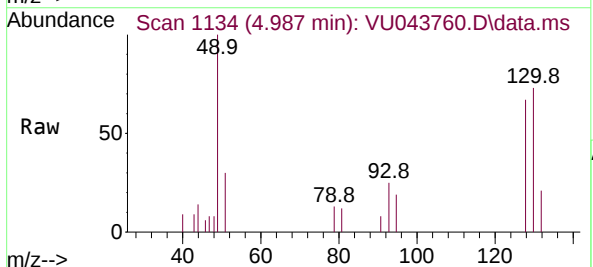
Delta R.T. 0.003 min

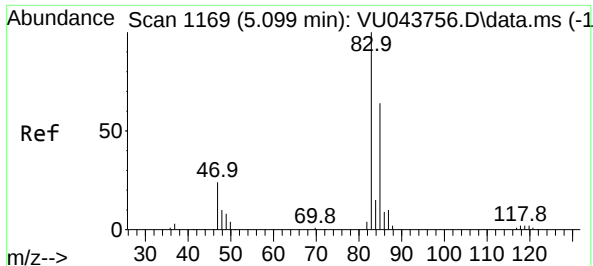
Lab File: VU043760.D

Acq: 14 May 2021 16:58

Tgt Ion: 128 Resp: 3676

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 49  | 149.2 | 114.7 | 212.9 |
| 130 | 108.8 | 91.7  | 170.3 |
| 51  | 44.5  | 43.2  | 64.8  |





#25

Chloroform

Concen: 0.39 ug/L

RT: 5.096 min Scan# 1168

Delta R.T. -0.003 min

Lab File: VU043760.D

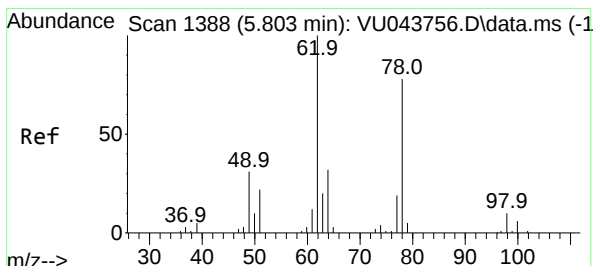
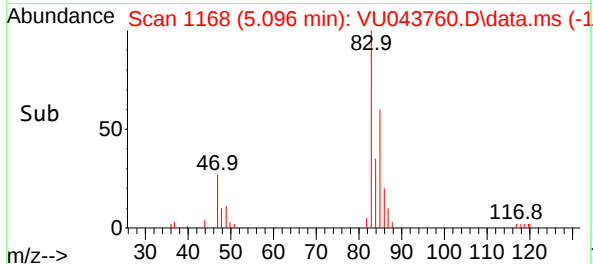
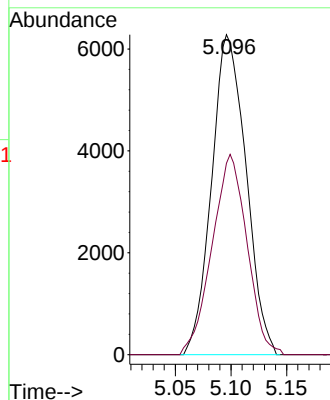
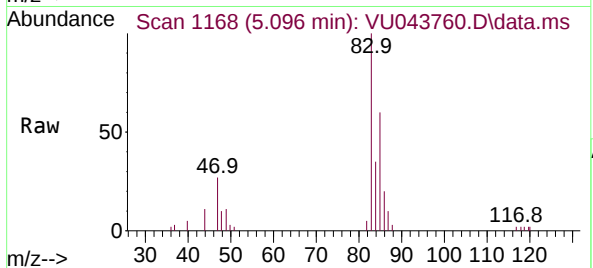
Acq: 14 May 2021 16:58

Tgt Ion: 83 Resp: 13507

Ion Ratio Lower Upper

83 100

85 59.8 45.0 83.6



#27

1,2-Dichloroethane

Concen: 0.36 ug/L

RT: 5.806 min Scan# 1389

Delta R.T. 0.004 min

Lab File: VU043760.D

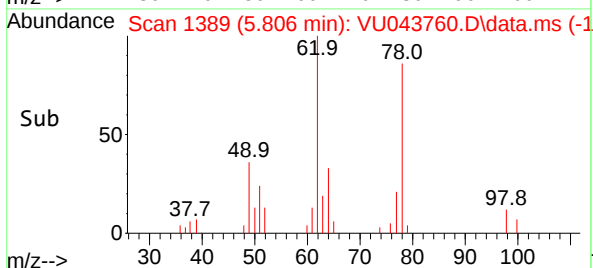
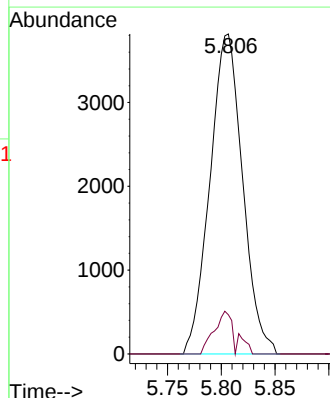
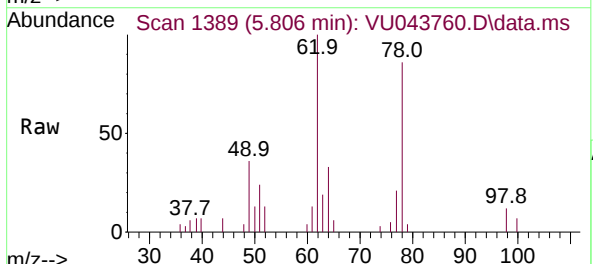
Acq: 14 May 2021 16:58

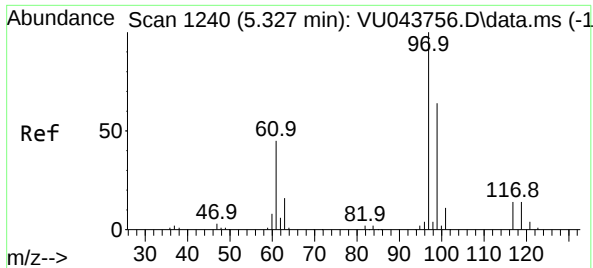
Tgt Ion: 62 Resp: 8064

Ion Ratio Lower Upper

62 100

98 12.3 7.7 11.5#

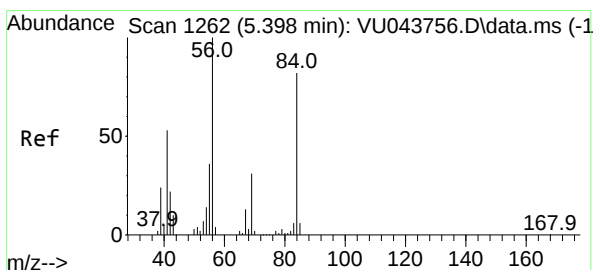
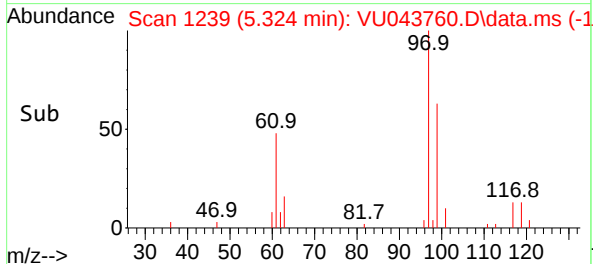
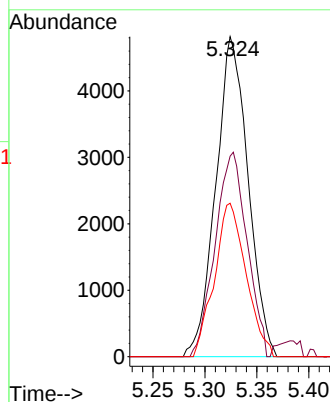
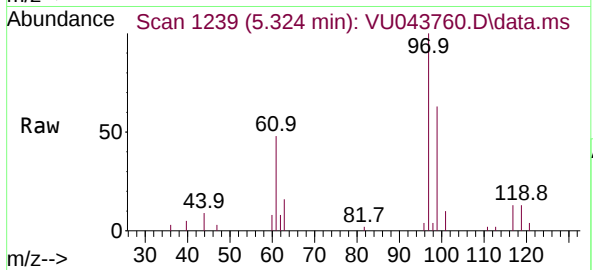




#29  
1,1,1-Trichloroethane  
Concen: 0.39 ug/L  
RT: 5.324 min Scan# 1239  
Delta R.T. -0.003 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

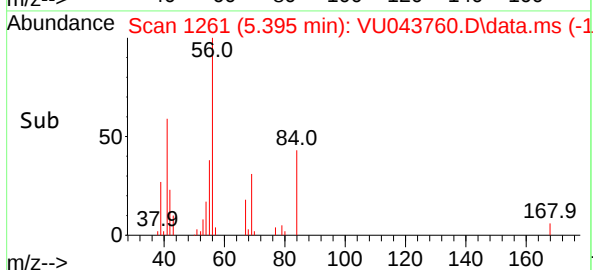
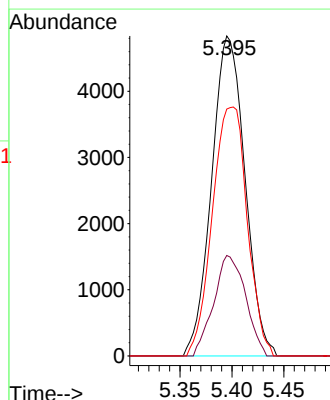
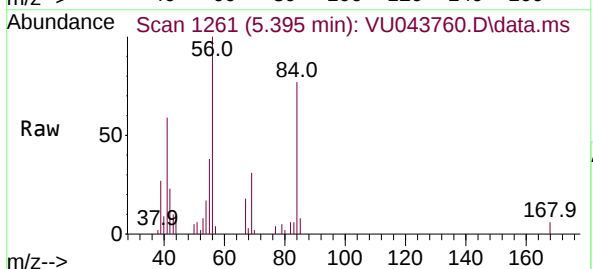
Instrument :  
MSVOA\_U  
ClientSampled :

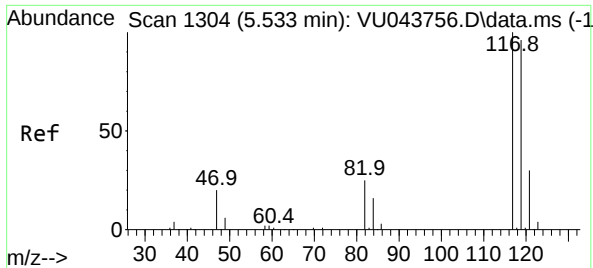
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 10409 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 63.2     | 51.1 76.7   |
| 61 46.9     | 37.0 55.4   |



#30  
Cyclohexane  
Concen: 0.48 ug/L  
RT: 5.395 min Scan# 1261  
Delta R.T. -0.003 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

|             |             |
|-------------|-------------|
| Tgt Ion: 56 | Resp: 10798 |
| Ion Ratio   | Lower Upper |
| 56 100      |             |
| 69 30.0     | 24.8 37.2   |
| 84 81.3     | 66.8 100.2  |

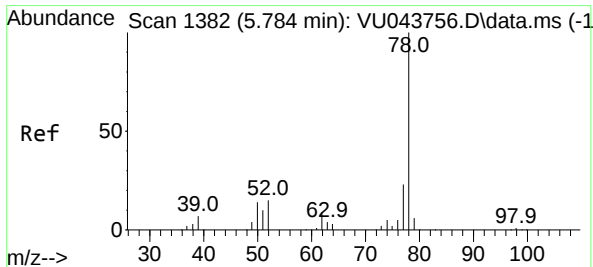
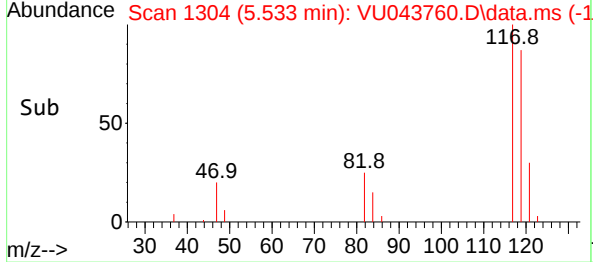
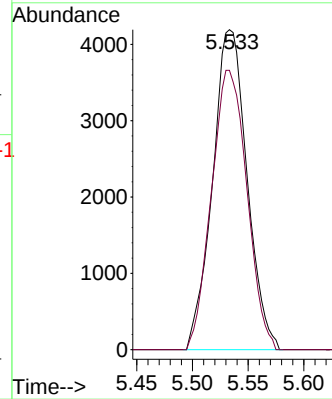
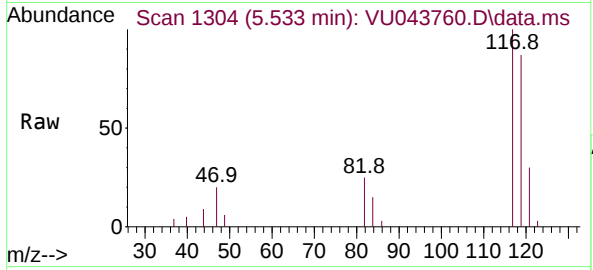




#31  
Carbon tetrachloride  
Concen: 0.42 ug/L  
RT: 5.533 min Scan# 1304  
Delta R.T. 0.000 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

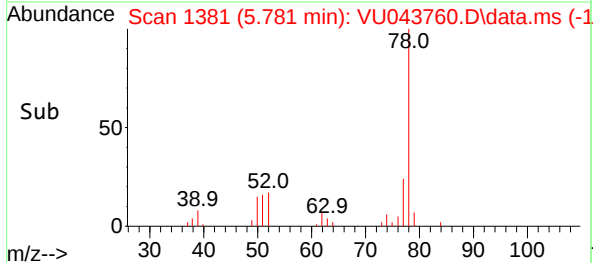
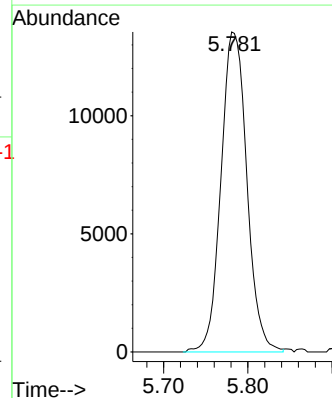
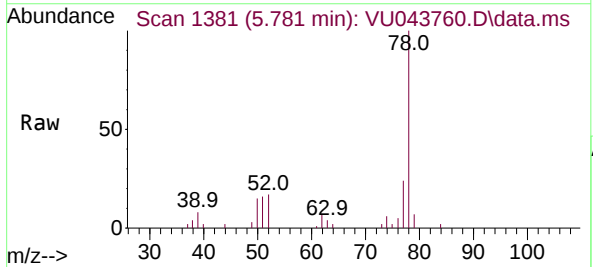
Instrument :  
MSVOA\_U  
ClientSampled :

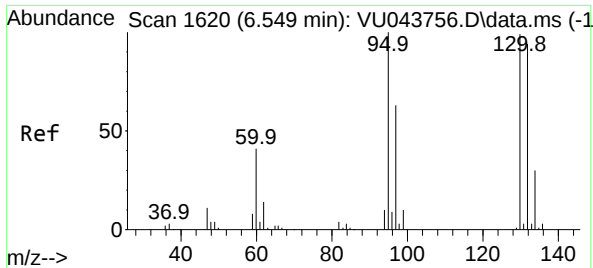
Tgt Ion:117 Resp: 9037  
Ion Ratio Lower Upper  
117 100  
119 89.7 77.4 116.0



#33  
Benzene  
Concen: 0.47 ug/L  
RT: 5.781 min Scan# 1381  
Delta R.T. -0.003 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

Tgt Ion: 78 Resp: 28868

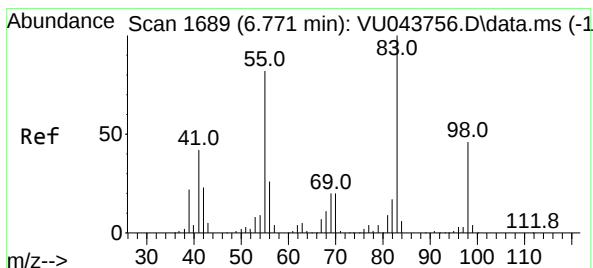
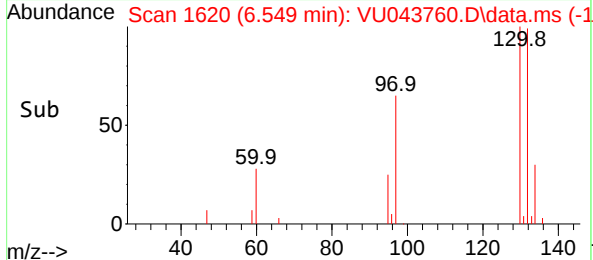
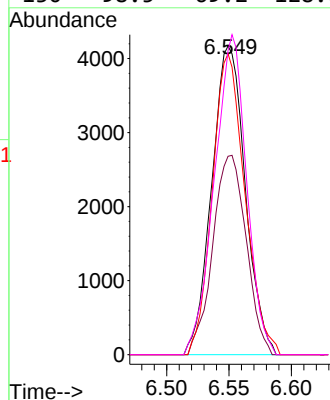
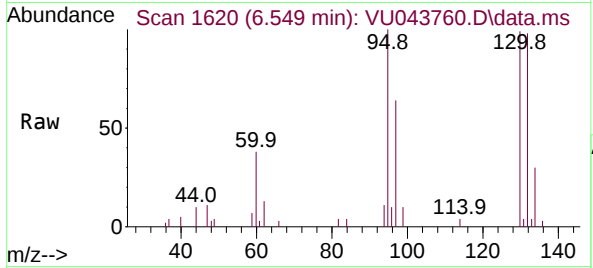




#34  
Trichloroethene  
Concen: 0.50 ug/L  
RT: 6.549 min Scan# 1620  
Delta R.T. 0.000 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

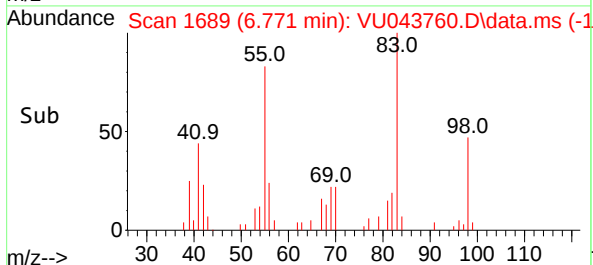
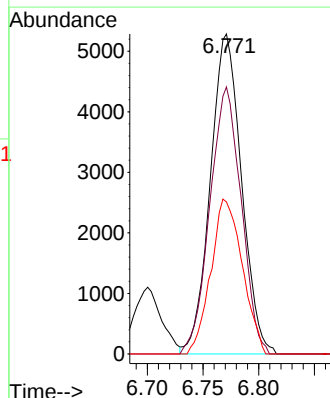
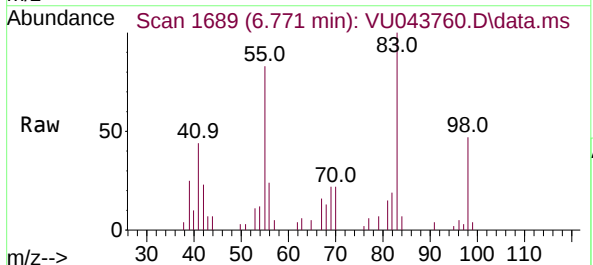
Instrument :  
MSVOA\_U  
ClientSampled :

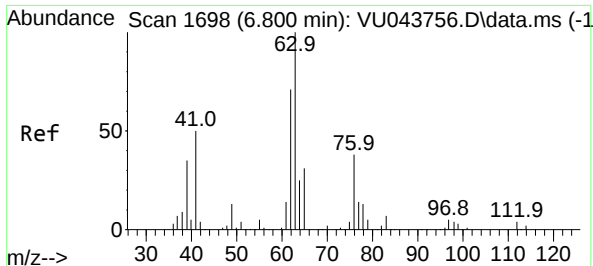
|             |             |
|-------------|-------------|
| Tgt Ion: 95 | Resp: 7814  |
| Ion Ratio   | Lower Upper |
| 95 100      |             |
| 97 64.3     | 44.3 82.3   |
| 132 97.5    | 66.0 122.6  |
| 130 98.5    | 69.2 128.6  |



#35  
Methylcyclohexane  
Concen: 0.48 ug/L  
RT: 6.771 min Scan# 1689  
Delta R.T. 0.000 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

|             |             |
|-------------|-------------|
| Tgt Ion: 83 | Resp: 10288 |
| Ion Ratio   | Lower Upper |
| 83 100      |             |
| 55 83.8     | 64.8 97.2   |
| 98 48.8     | 35.9 53.9   |



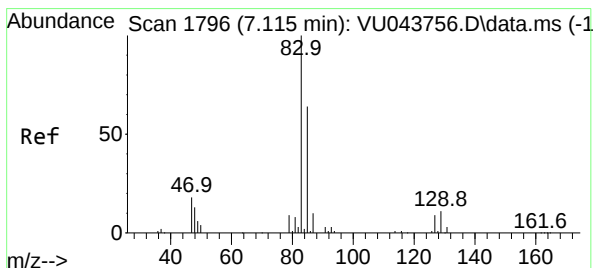
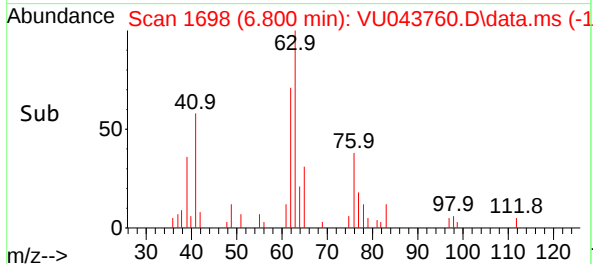
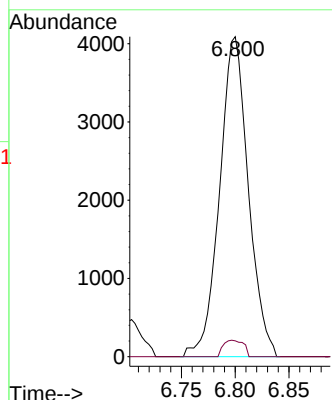
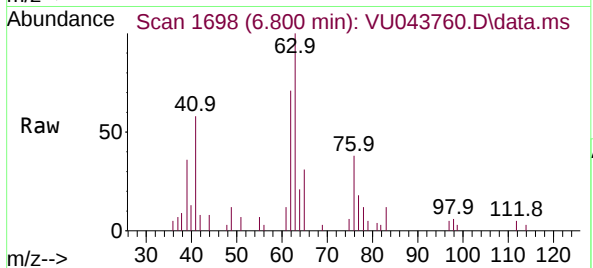


#37

1,2-Dichloropropane  
Concen: 0.43 ug/L  
RT: 6.800 min Scan# 1698  
Delta R.T. 0.000 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

Instrument :  
MSVOA\_U  
ClientSampled :

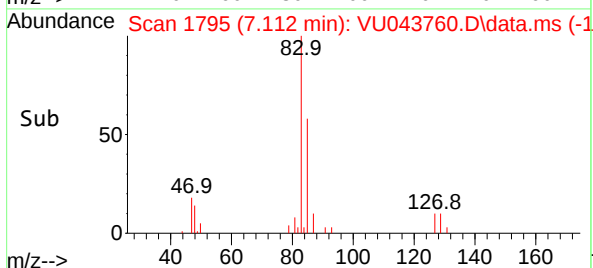
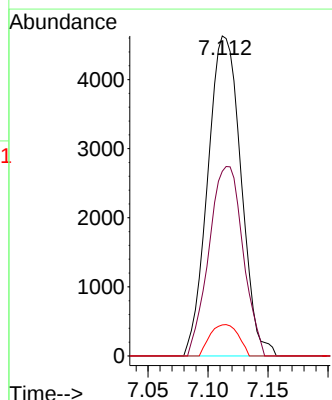
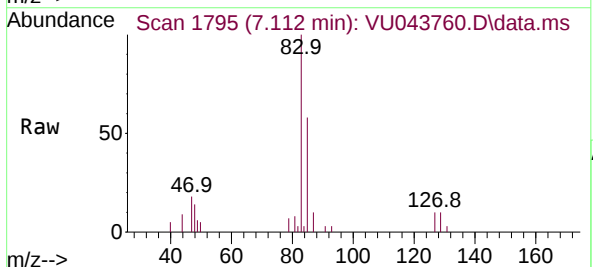
Tgt Ion: 63 Resp: 7600  
Ion Ratio Lower Upper  
63 100  
112 3.6 3.3 4.9

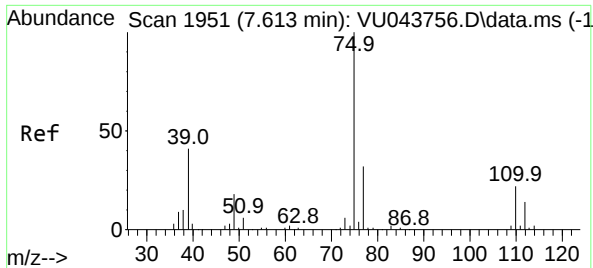


#38

Bromodichloromethane  
Concen: 0.39 ug/L  
RT: 7.112 min Scan# 1795  
Delta R.T. -0.003 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

Tgt Ion: 83 Resp: 8917  
Ion Ratio Lower Upper  
83 100  
85 57.7 44.6 82.8  
127 9.7 7.0 10.4

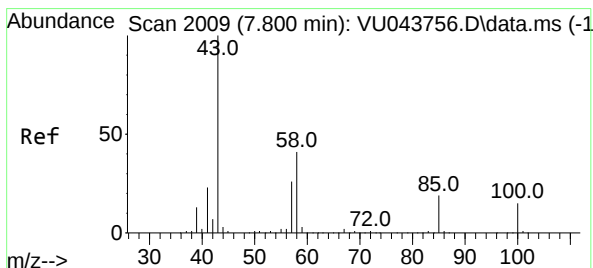
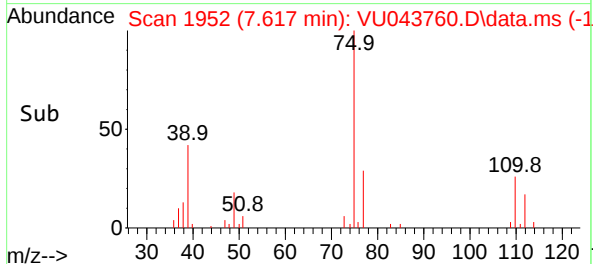
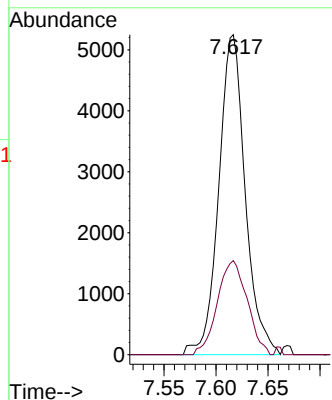
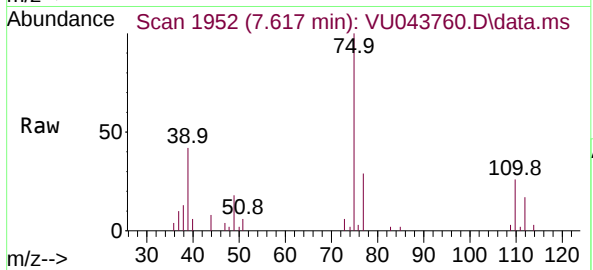




#39  
cis-1,3-Dichloropropene  
Concen: 0.39 ug/L  
RT: 7.617 min Scan# 1952  
Delta R.T. 0.003 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

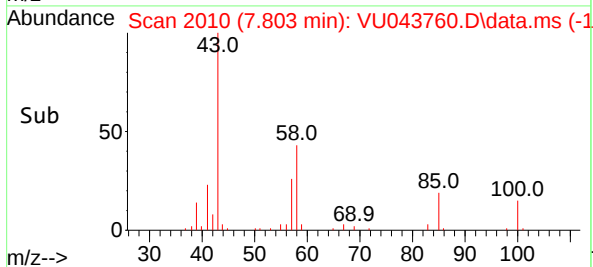
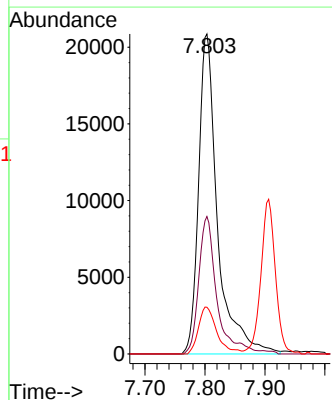
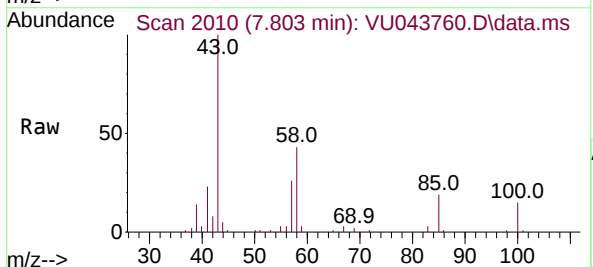
Instrument :  
MSVOA\_U  
ClientSampled :

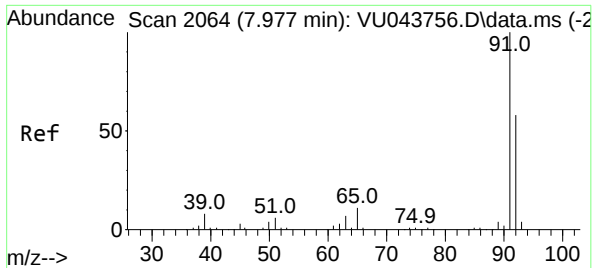
Tgt Ion: 75 Resp: 9304  
Ion Ratio Lower Upper  
75 100  
77 29.4 22.5 41.7



#40  
4-Methyl-2-pentanone  
Concen: 3.37 ug/L  
RT: 7.803 min Scan# 2010  
Delta R.T. 0.003 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

Tgt Ion: 43 Resp: 45928  
Ion Ratio Lower Upper  
43 100  
58 40.7 32.8 49.2  
100 14.3 11.9 17.9

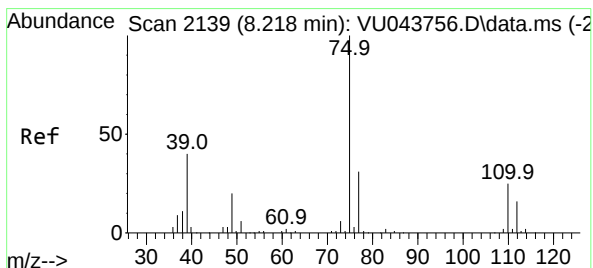
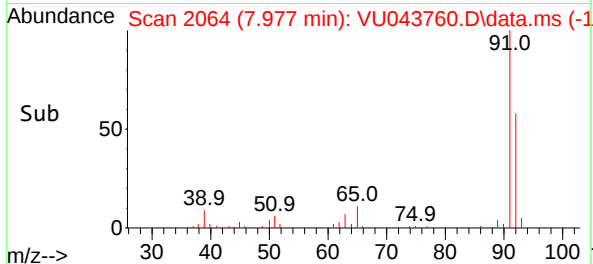
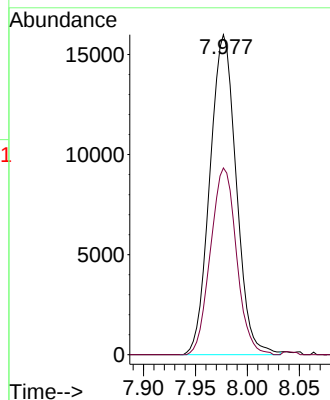
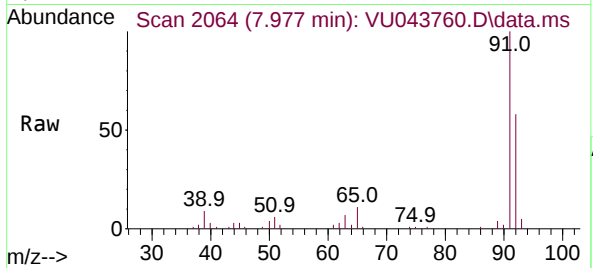




#42  
Toluene  
Concen: 0.43 ug/L  
RT: 7.977 min Scan# 2064  
Delta R.T. 0.000 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

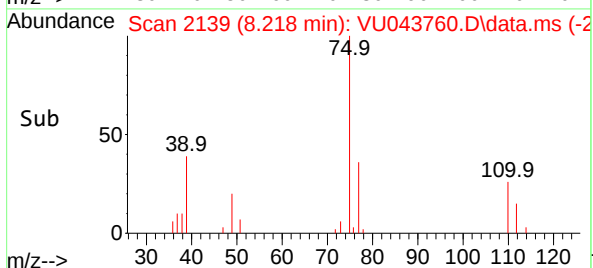
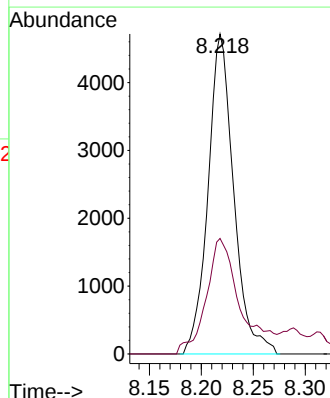
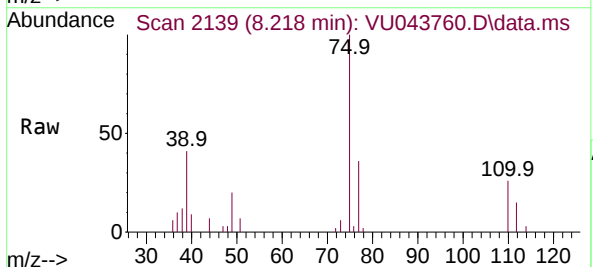
Instrument :  
MSVOA\_U  
ClientSampled :

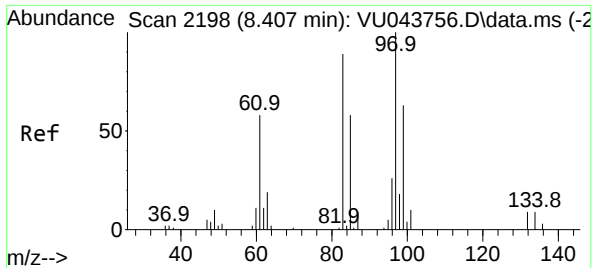
Tgt Ion: 91 Resp: 28251  
Ion Ratio Lower Upper  
91 100  
92 58.4 40.3 74.8



#44  
trans-1,3-Dichloropropene  
Concen: 0.38 ug/L  
RT: 8.218 min Scan# 2139  
Delta R.T. 0.000 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

Tgt Ion: 75 Resp: 8117  
Ion Ratio Lower Upper  
75 100  
77 36.1 21.5 39.9

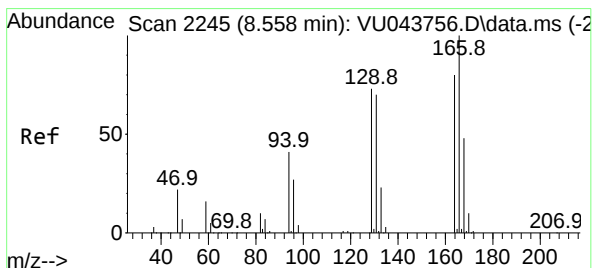
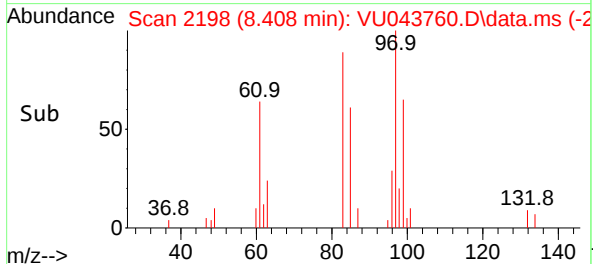
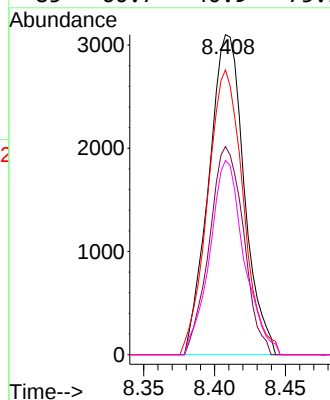
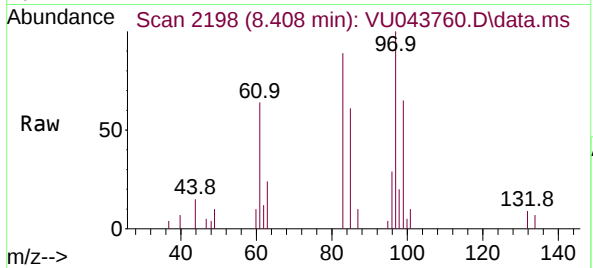




#45  
1,1,2-Trichloroethane  
Concen: 0.43 ug/L  
RT: 8.408 min Scan# 2198  
Delta R.T. 0.000 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

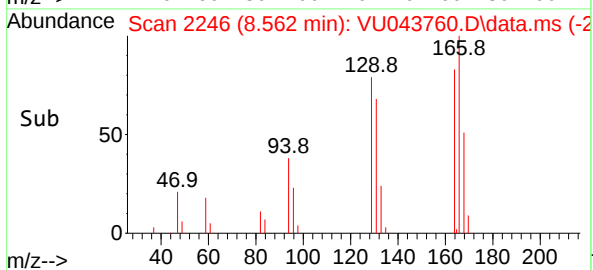
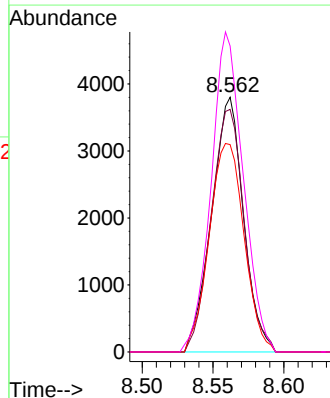
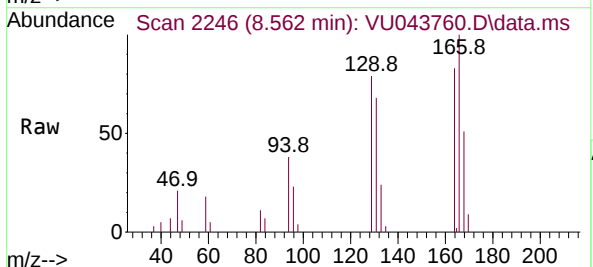
Instrument :  
MSVOA\_U  
ClientSampled :

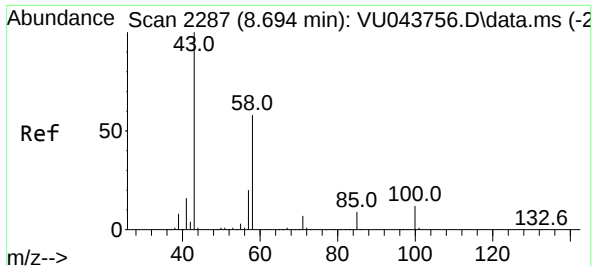
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 5391  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 65.0  | 43.8  | 81.4  |
| 83       | 89.0  | 62.5  | 116.1 |
| 85       | 60.7  | 40.9  | 75.9  |



#47  
Tetrachloroethene  
Concen: 0.50 ug/L  
RT: 8.562 min Scan# 2246  
Delta R.T. 0.004 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

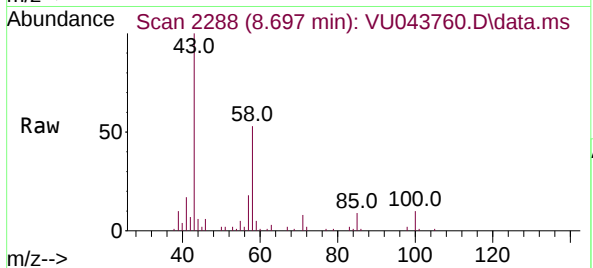
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 5954  |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 95.3  | 64.1  | 119.1 |
| 131      | 81.5  | 61.2  | 113.8 |
| 166      | 120.1 | 87.8  | 163.2 |



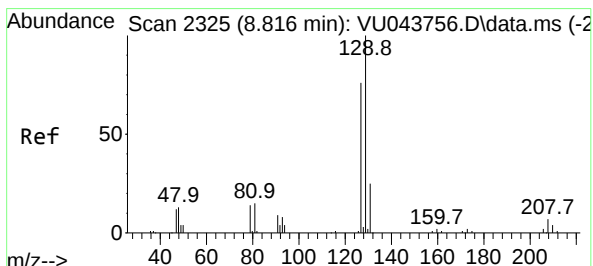
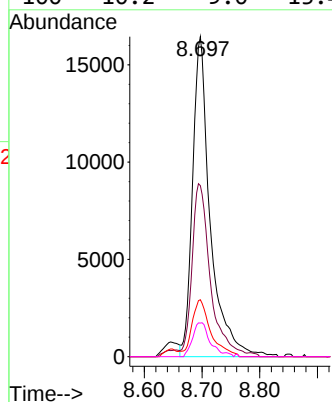
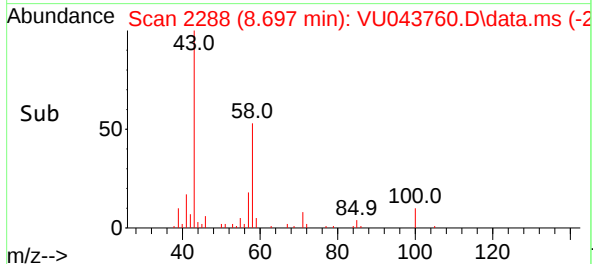


#48  
2-Hexanone  
Concen: 3.50 ug/L  
RT: 8.697 min Scan# 2288  
Delta R.T. 0.003 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

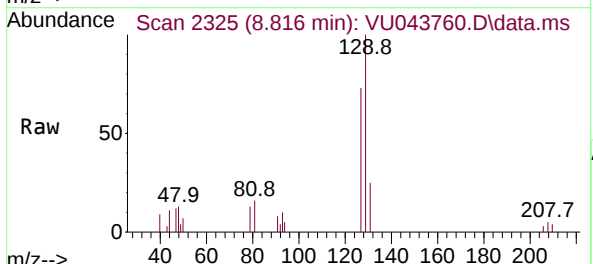
Instrument :  
MSVOA\_U  
ClientSampled :



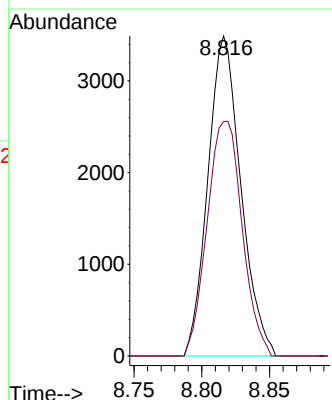
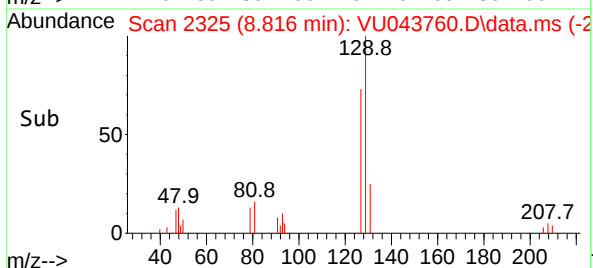
Tgt Ion: 43 Resp: 35028  
Ion Ratio Lower Upper  
43 100  
58 53.5 47.0 70.4  
57 19.0 15.8 23.8  
100 10.2 9.0 13.4

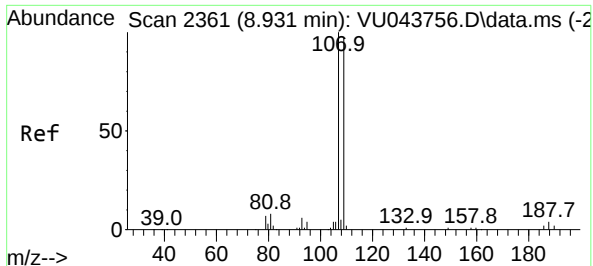


#49  
Dibromochloromethane  
Concen: 0.40 ug/L  
RT: 8.816 min Scan# 2325  
Delta R.T. 0.000 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58



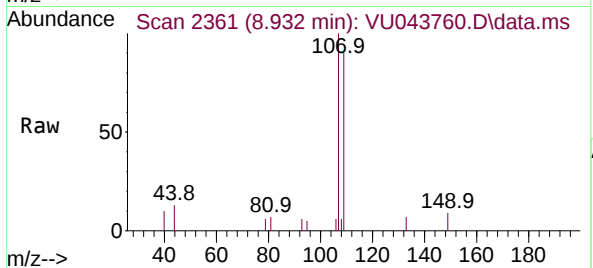
Tgt Ion: 129 Resp: 5903  
Ion Ratio Lower Upper  
129 100  
127 73.3 53.4 99.2



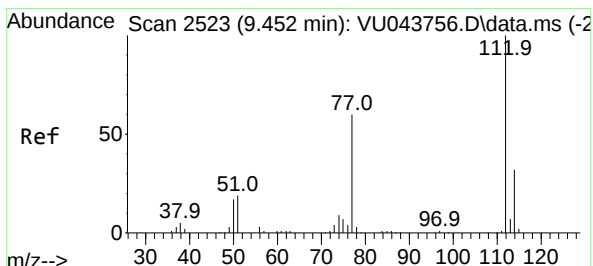
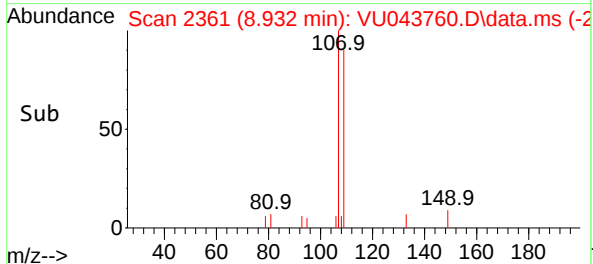
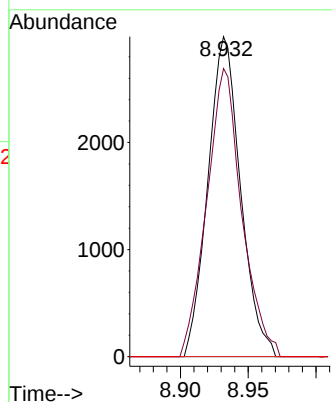


#50  
1,2-Dibromoethane  
Concen: 0.43 ug/L  
RT: 8.932 min Scan# 2361  
Delta R.T. 0.000 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

Instrument :  
MSVOA\_U  
ClientSampleId :

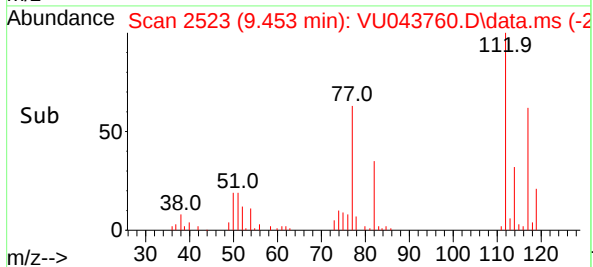
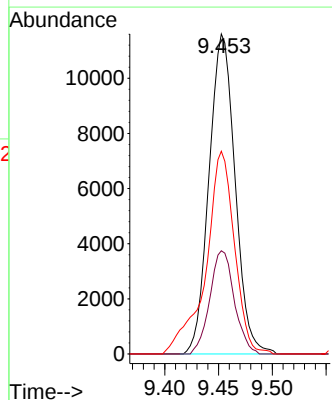
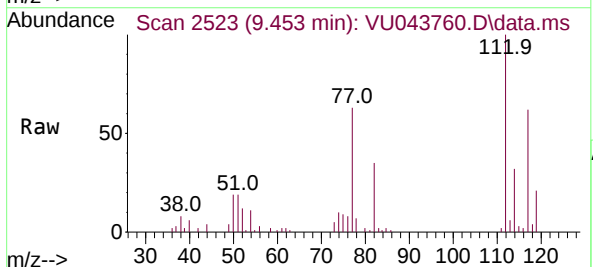


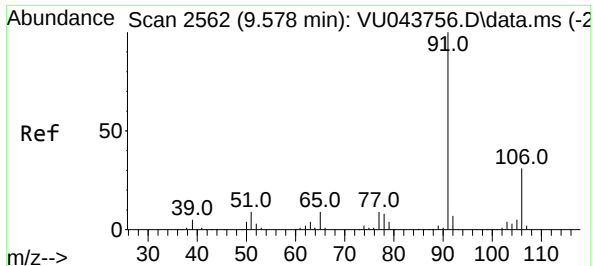
Tgt Ion:107 Resp: 5002  
Ion Ratio Lower Upper  
107 100  
109 90.0 67.7 125.7  
188 0.0 3.3 4.9#



#51  
Chlorobenzene  
Concen: 0.48 ug/L  
RT: 9.453 min Scan# 2523  
Delta R.T. 0.000 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

Tgt Ion:112 Resp: 19570  
Ion Ratio Lower Upper  
112 100  
114 32.3 22.3 41.5  
77 63.3 47.8 71.8





#52

Ethylbenzene

Concen: 0.42 ug/L

RT: 9.578 min Scan# 2562

Delta R.T. 0.000 min

Lab File: VU043760.D

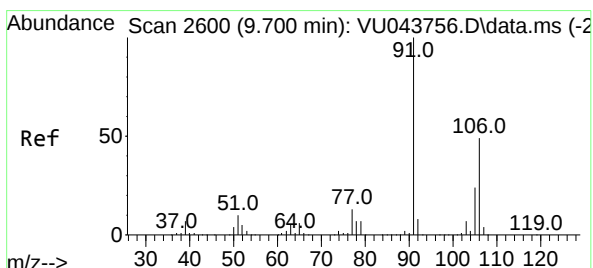
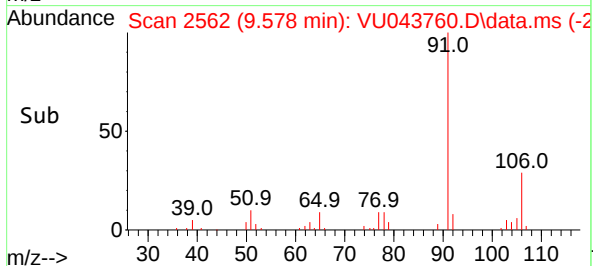
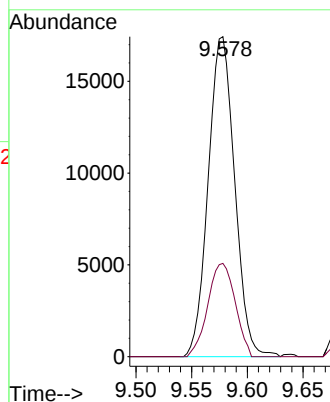
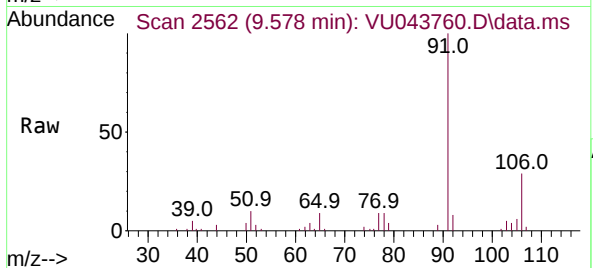
Acq: 14 May 2021 16:58

Tgt Ion: 91 Resp: 28807

Ion Ratio Lower Upper

91 100

106 29.2 21.7 40.3



#53

m,p-Xylene

Concen: 0.43 ug/L

RT: 9.700 min Scan# 2600

Delta R.T. 0.000 min

Lab File: VU043760.D

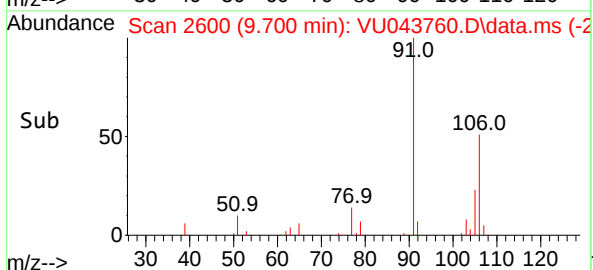
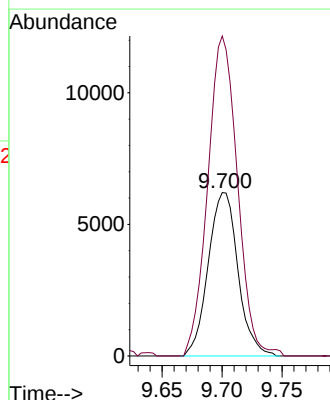
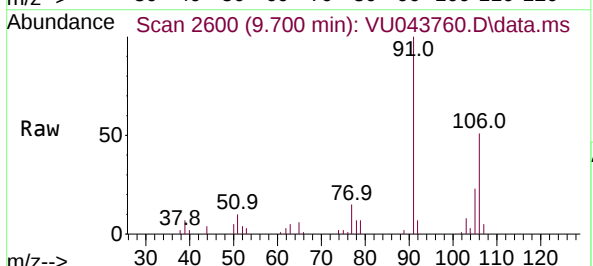
Acq: 14 May 2021 16:58

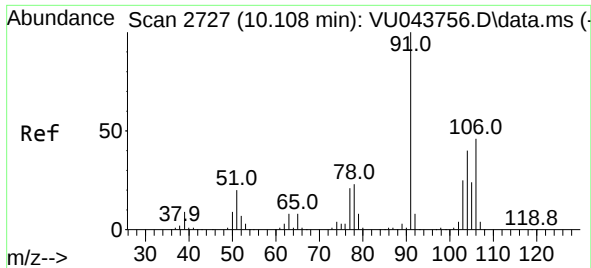
Tgt Ion: 106 Resp: 10707

Ion Ratio Lower Upper

106 100

91 195.9 144.4 268.2

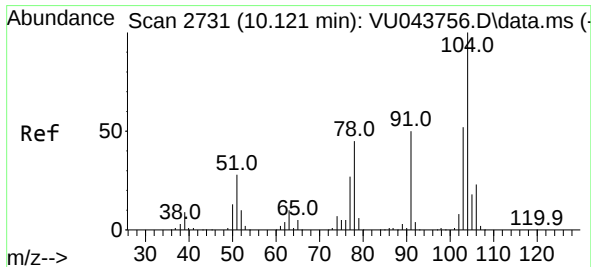
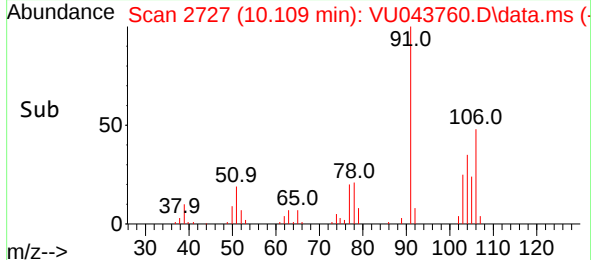
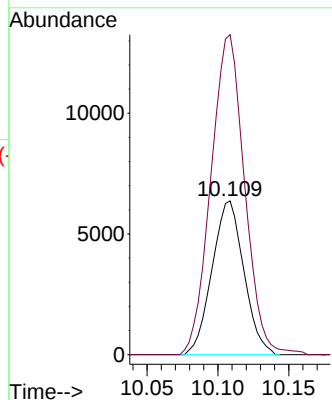
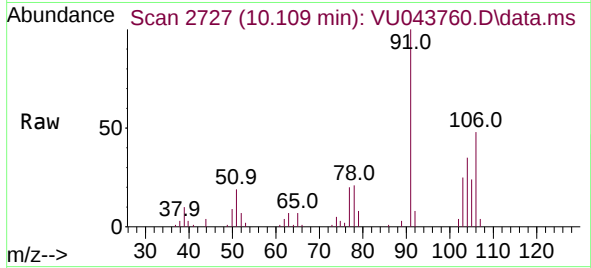




#54  
o-Xylene  
Concen: 0.41 ug/L  
RT: 10.109 min Scan# 2727  
Delta R.T. 0.000 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

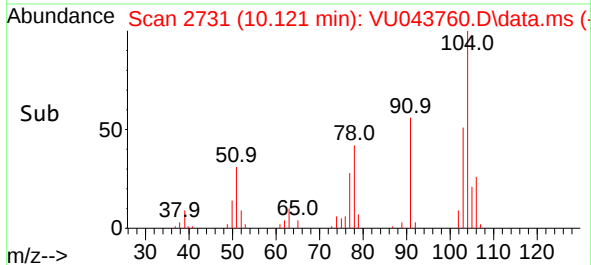
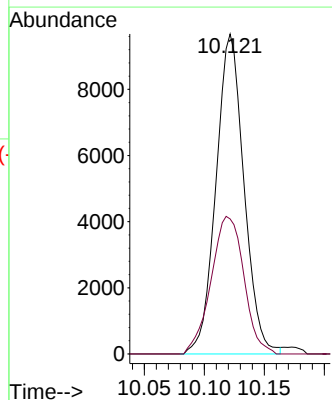
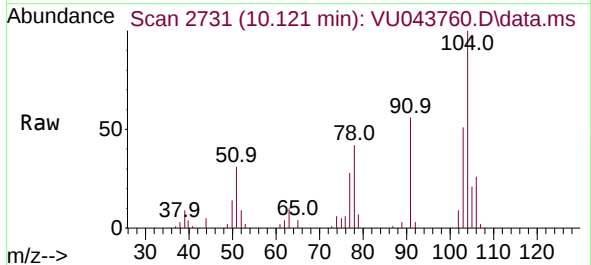
Instrument :  
MSVOA\_U  
ClientSampled :

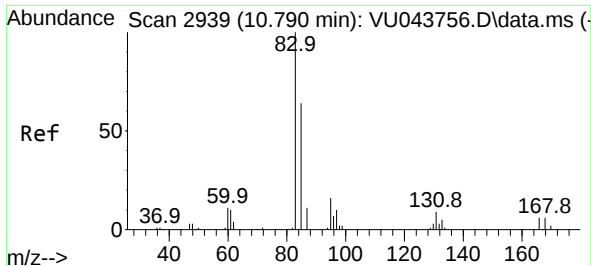
Tgt Ion:106 Resp: 9955  
Ion Ratio Lower Upper  
106 100  
91 208.1 150.8 280.0



#55  
Styrene  
Concen: 0.37 ug/L  
RT: 10.121 min Scan# 2731  
Delta R.T. 0.000 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

Tgt Ion:104 Resp: 15679  
Ion Ratio Lower Upper  
104 100  
78 42.2 31.8 59.0

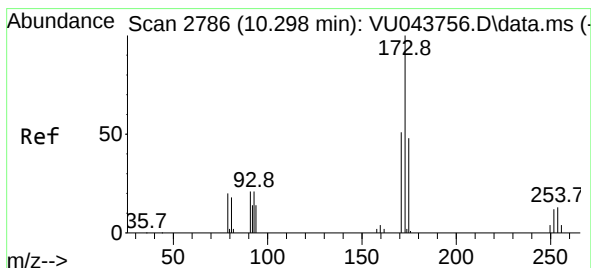
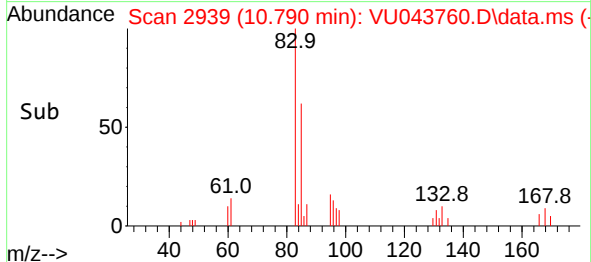
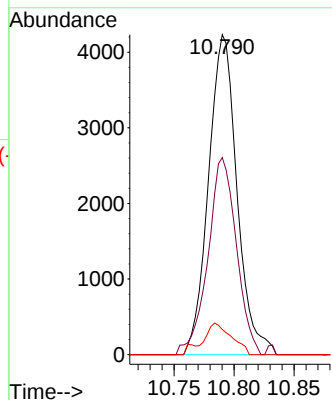
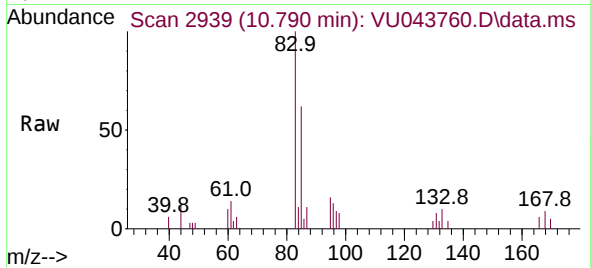




#57  
1,1,2,2-Tetrachloroethane  
Concen: 0.43 ug/L  
RT: 10.790 min Scan# 2939  
Delta R.T. 0.000 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

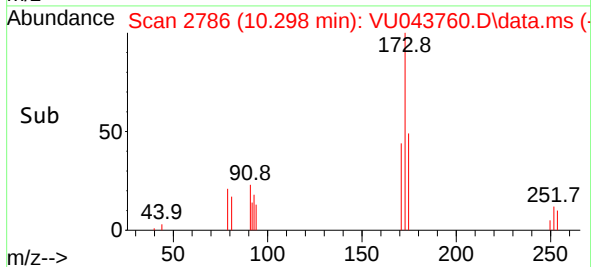
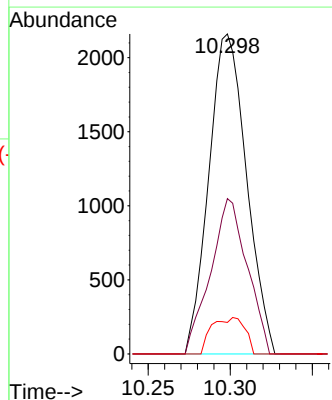
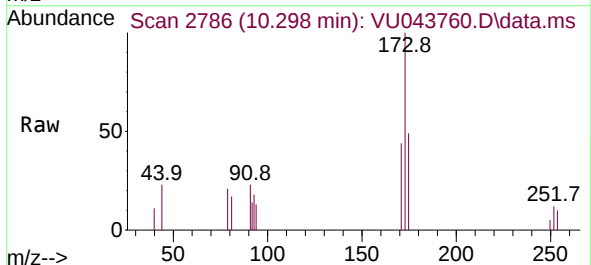
Instrument :  
MSVOA\_U  
ClientSampleId :

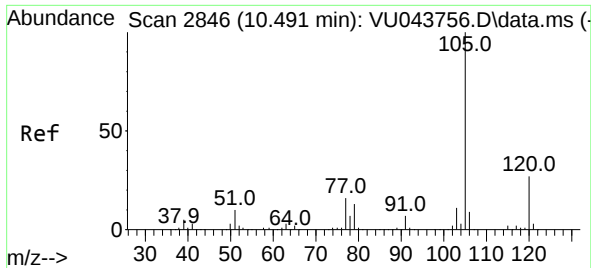
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 6993  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 61.6  | 45.1  | 83.7  |
| 131      | 7.9   | 7.6   | 11.4  |



#59  
Bromoform  
Concen: 0.42 ug/L  
RT: 10.298 min Scan# 2786  
Delta R.T. 0.000 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 3443  |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 47.2  | 38.8  | 58.2  |
| 254      | 10.0  | 9.4   | 14.2  |

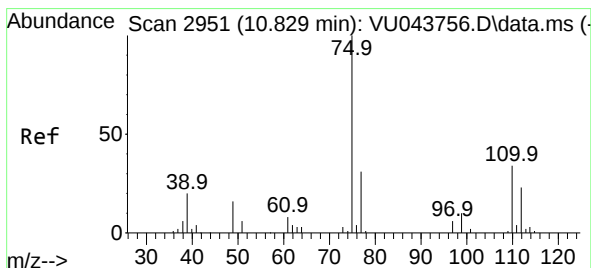
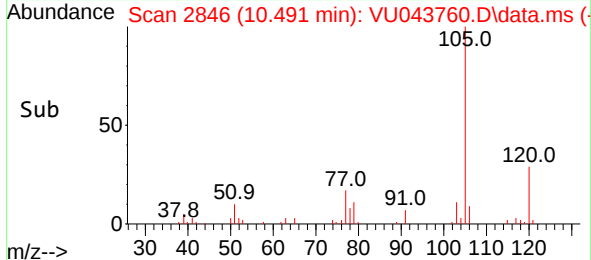
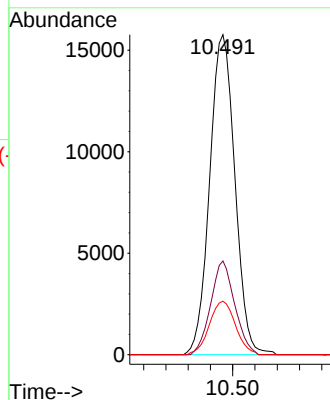
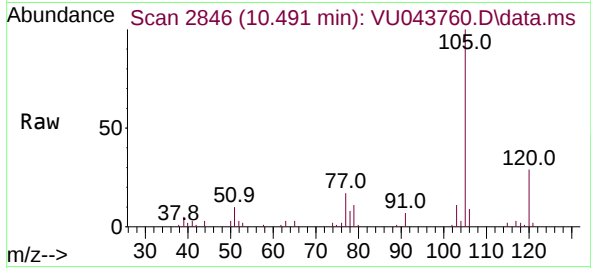




#60  
Isopropylbenzene  
Concen: 0.39 ug/L  
RT: 10.491 min Scan# 2846  
Delta R.T. 0.000 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

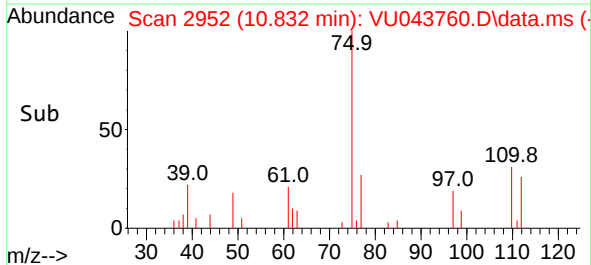
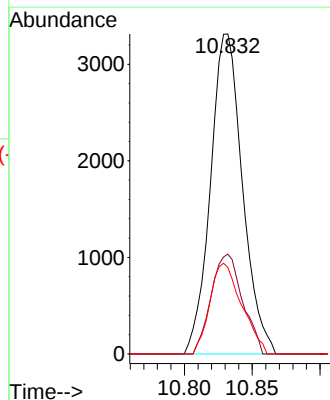
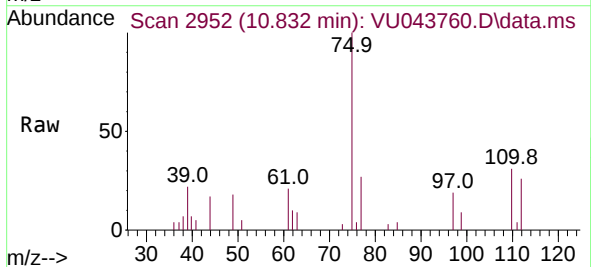
Instrument :  
MSVOA\_U  
ClientSampled :

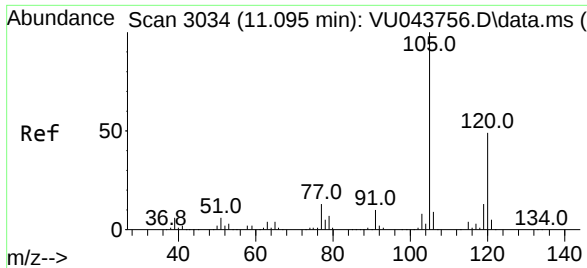
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 24758 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 27.9  | 21.3  | 31.9  |
| 77        | 17.3  | 12.6  | 19.0  |



#61  
1,2,3-Trichloropropane  
Concen: 0.48 ug/L  
RT: 10.832 min Scan# 2952  
Delta R.T. 0.003 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

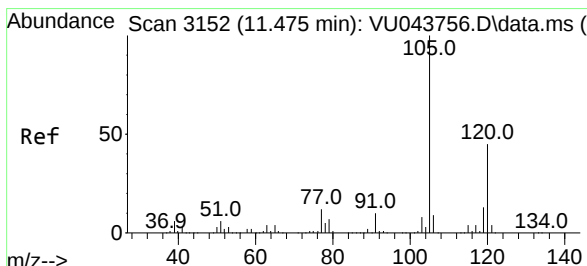
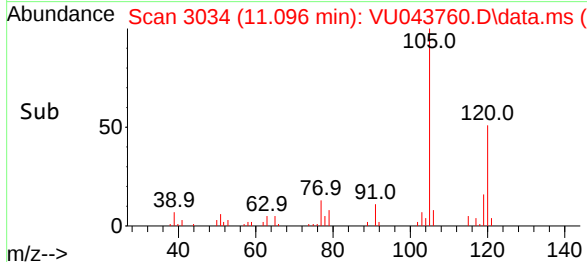
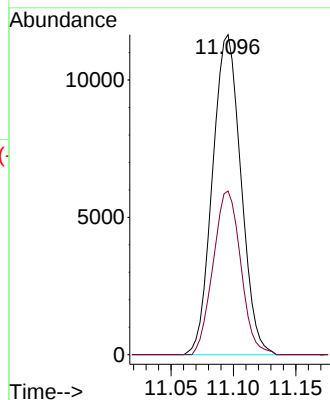
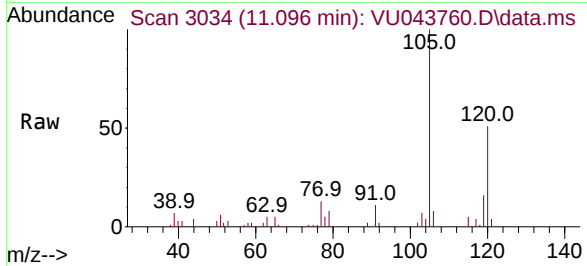
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 75    | Resp: | 5441 |
| Ion Ratio | Lower | Upper |      |
| 75        | 100   |       |      |
| 110       | 30.6  | 27.9  | 41.9 |
| 77        | 28.1  | 25.9  | 38.9 |





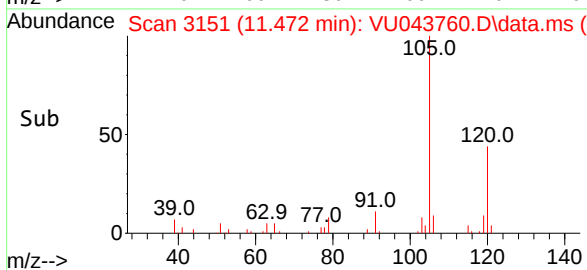
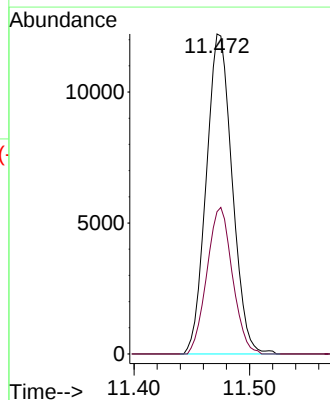
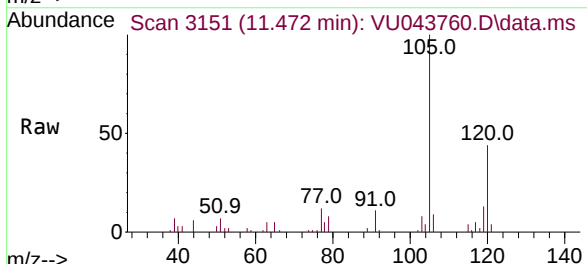
#62  
1,3,5-Trimethylbenzene  
Concen: 0.37 ug/L  
RT: 11.096 min Scan# 3034  
Delta R.T. 0.000 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

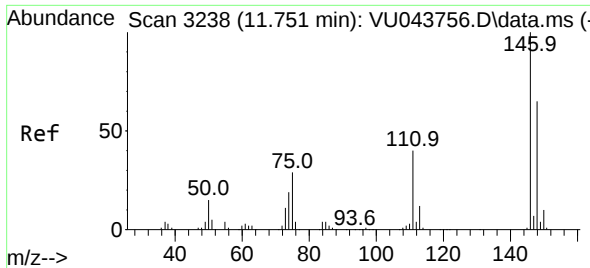
Tgt Ion:105 Resp: 18509  
Ion Ratio Lower Upper  
105 100  
120 49.7 38.9 58.3



#63  
1,2,4-Trimethylbenzene  
Concen: 0.38 ug/L  
RT: 11.472 min Scan# 3151  
Delta R.T. -0.003 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

Tgt Ion:105 Resp: 19035  
Ion Ratio Lower Upper  
105 100  
120 45.0 36.0 54.0

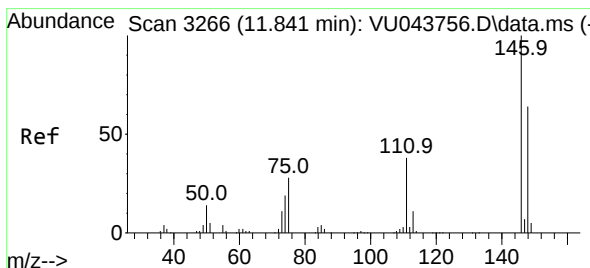
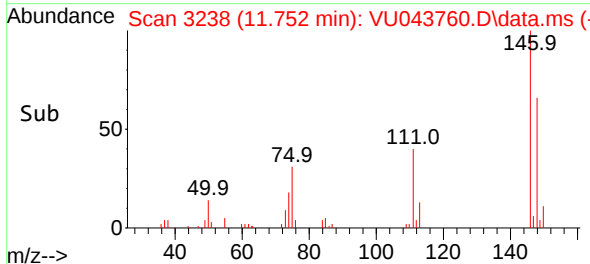
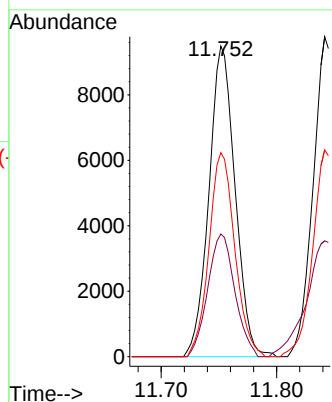
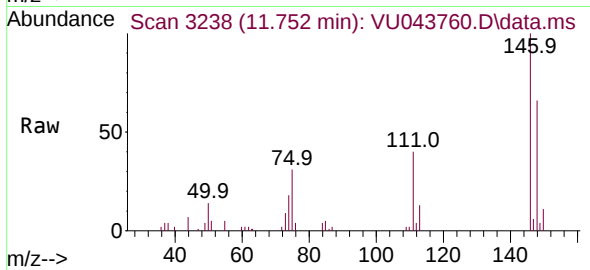




#64  
1,3-Dichlorobenzene  
Concen: 0.48 ug/L  
RT: 11.752 min Scan# 3238  
Delta R.T. 0.000 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

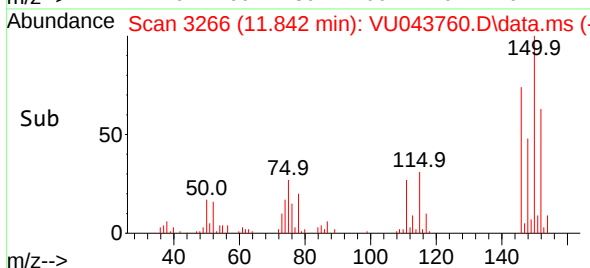
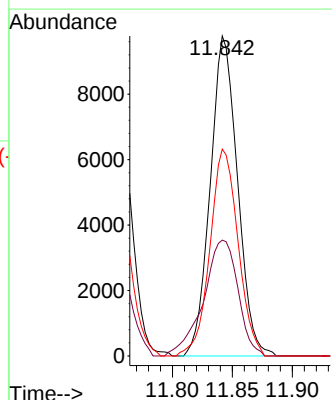
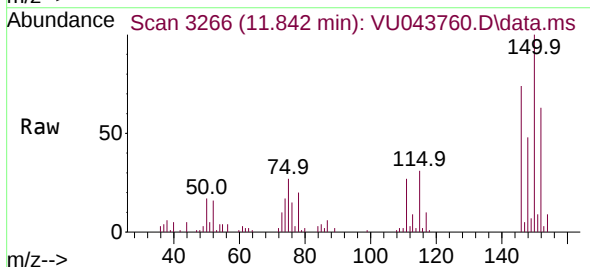
Instrument :  
MSVOA\_U  
ClientSampleId :

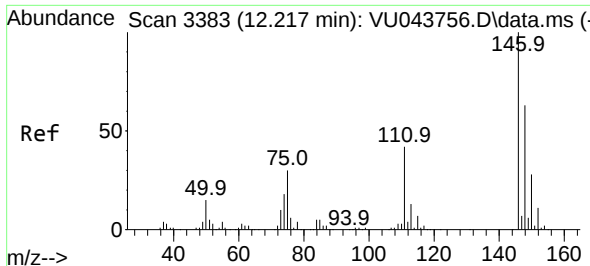
Tgt Ion:146 Resp: 14920  
Ion Ratio Lower Upper  
146 100  
111 39.5 28.1 52.1  
148 65.7 45.6 84.6



#65  
1,4-Dichlorobenzene  
Concen: 0.48 ug/L  
RT: 11.842 min Scan# 3266  
Delta R.T. 0.000 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

Tgt Ion:146 Resp: 15437  
Ion Ratio Lower Upper  
146 100  
111 36.2 27.0 50.2  
148 64.7 45.0 83.6

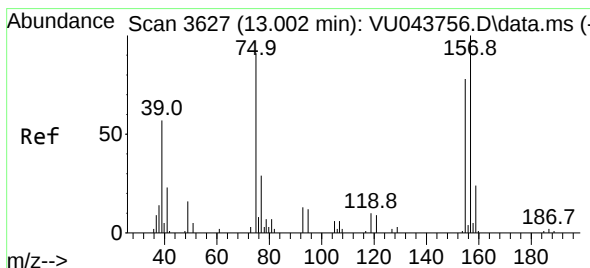
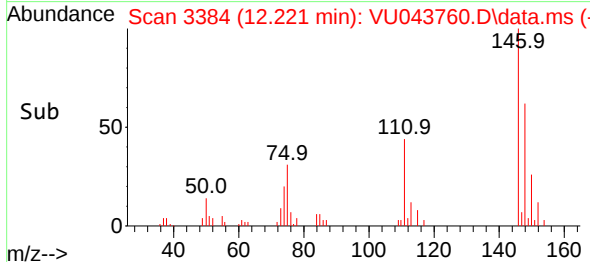
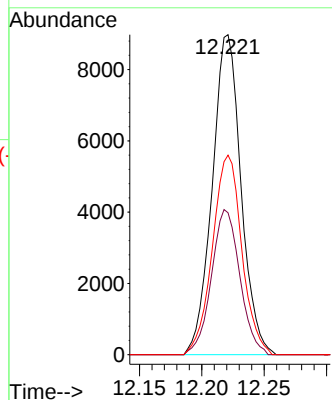
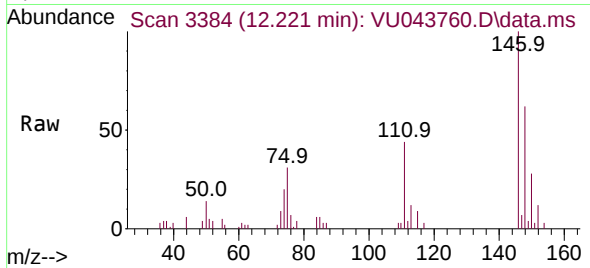




#67  
1,2-Dichlorobenzene  
Concen: 0.46 ug/L  
RT: 12.221 min Scan# 3384  
Delta R.T. 0.004 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

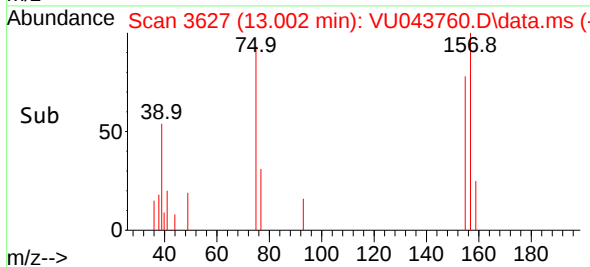
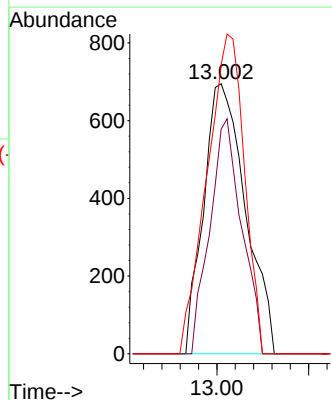
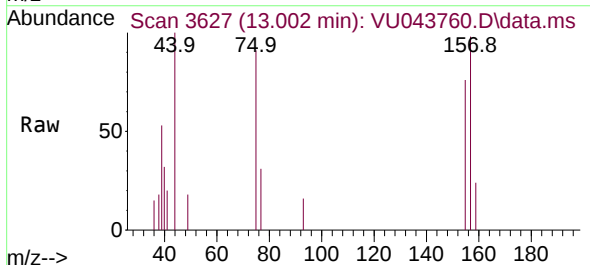
Instrument :  
MSVOA\_U  
ClientSampleId :

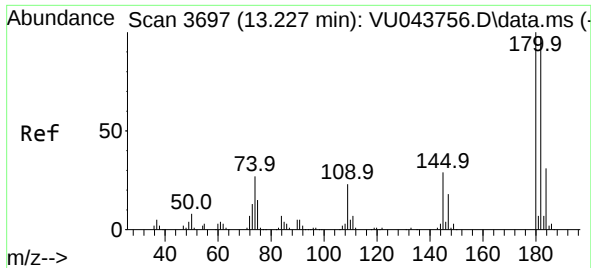
Tgt Ion:146 Resp: 14460  
Ion Ratio Lower Upper  
146 100  
111 44.3 33.6 50.4  
148 62.4 50.2 75.2



#68  
1,2-Dibromo-3-chloropropane  
Concen: 0.42 ug/L  
RT: 13.002 min Scan# 3627  
Delta R.T. 0.000 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

Tgt Ion: 75 Resp: 1101  
Ion Ratio Lower Upper  
75 100  
155 83.2 68.7 103.1  
157 107.1 87.7 131.5

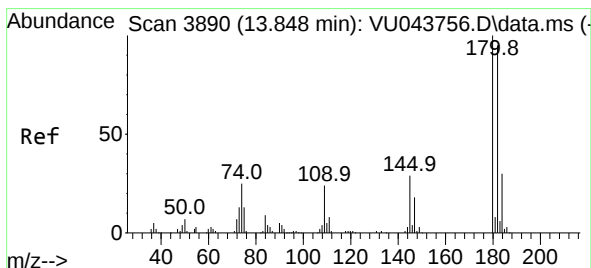
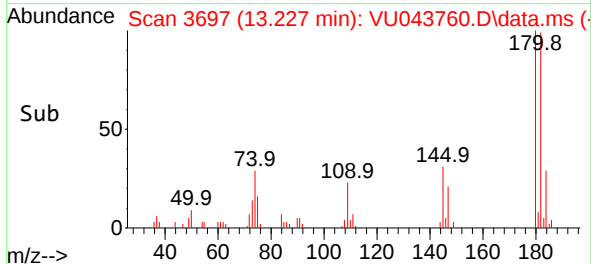
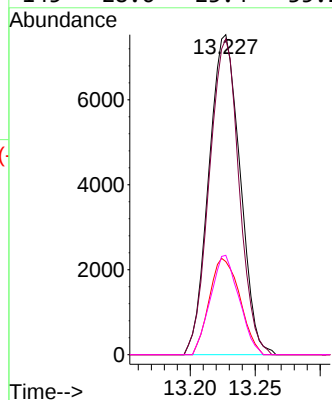
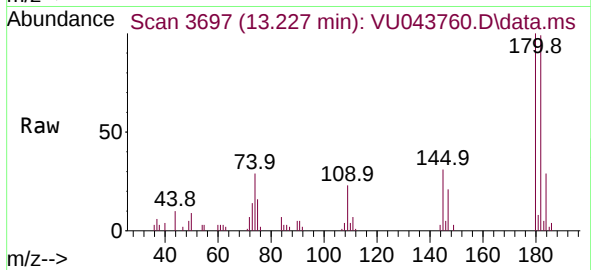




#69  
1,3,5-Trichlorobenzene  
Concen: 0.51 ug/L  
RT: 13.227 min Scan# 3697  
Delta R.T. 0.000 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

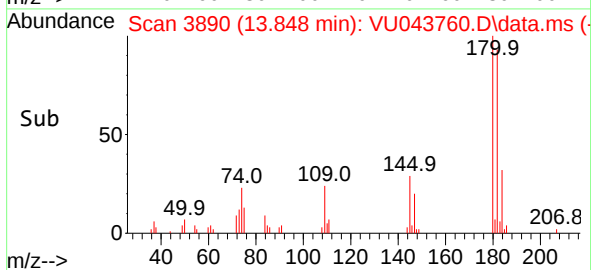
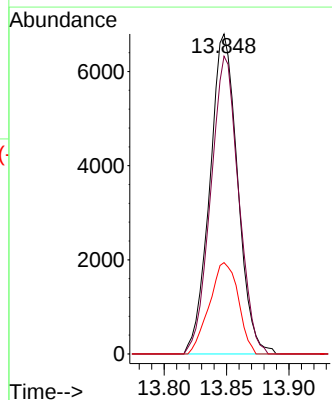
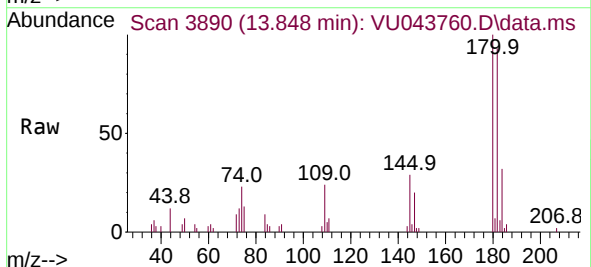
Instrument :  
MSVOA\_U  
ClientSampled :

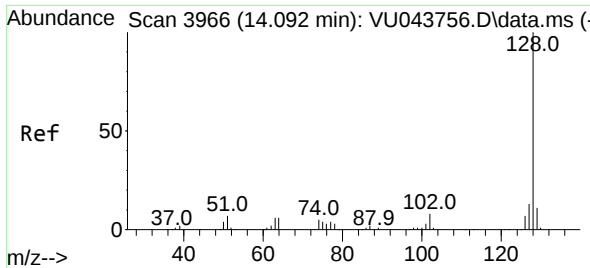
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 12532 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 94.1  | 78.2  | 117.2 |
| 184       | 29.5  | 24.8  | 37.2  |
| 145       | 28.6  | 23.4  | 35.2  |



#70  
1,2,4-trichlorobenzene  
Concen: 0.52 ug/L  
RT: 13.848 min Scan# 3890  
Delta R.T. 0.000 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 10575 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 92.8  | 76.9  | 115.3 |
| 145       | 29.6  | 23.0  | 34.4  |

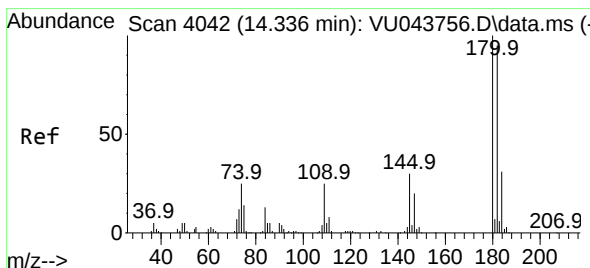
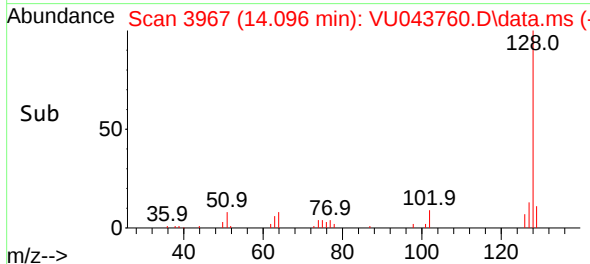
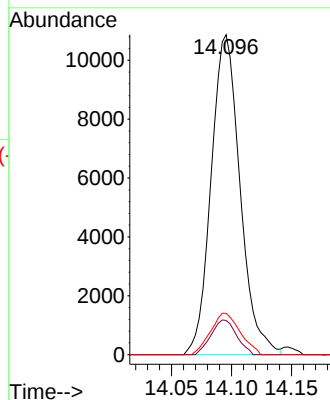
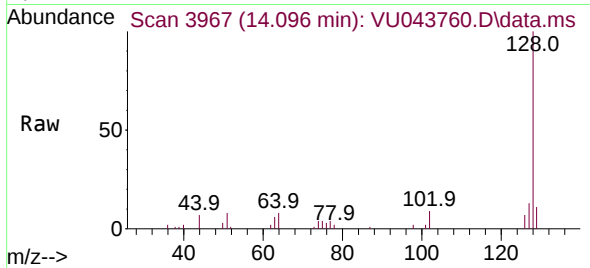




#71  
Naphthalene  
Concen: 0.53 ug/L  
RT: 14.096 min Scan# 3967  
Delta R.T. 0.003 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

Instrument :  
MSVOA\_U  
ClientSampled :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 18225 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 9.6   | 8.7   | 13.1  |
| 127       | 13.3  | 10.2  | 15.4  |



#72  
1,2,3-Trichlorobenzene  
Concen: 0.52 ug/L  
RT: 14.340 min Scan# 4043  
Delta R.T. 0.003 min  
Lab File: VU043760.D  
Acq: 14 May 2021 16:58

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 9901  |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 94.6  | 77.0  | 115.4 |
| 145       | 30.8  | 24.6  | 36.8  |

