

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U050520\  
 Data File : VU038012.D  
 Acq On : 05 May 2020 12:47  
 Operator : JC/MD  
 Sample : L2182-08  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: May 06 01:23:31 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U050420DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Wed May 06 01:21:09 2020  
 Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
| 1) Fluorobenzene   | 6.15 | 96   | 85066    | 1.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                            |       |     |          |      |        |      |
|----------------------------|-------|-----|----------|------|--------|------|
| 57) 4-Bromofluorobenzene   | 10.65 | 95  | 31303    | 0.95 | ug/l   | 0.00 |
| Spiked Amount 1.000        |       |     | Recovery | =    | 95.00% |      |
| 68) 1,2-Dichlorobenzene-d4 | 12.21 | 152 | 30854    | 0.97 | ug/l   | 0.00 |
| Spiked Amount 1.000        |       |     | Recovery | =    | 97.00% |      |

## Target Compounds

|                               |      |     |       |              | Ovalue |
|-------------------------------|------|-----|-------|--------------|--------|
| 2) Dichlorodifluoromethane    | 1.40 | 85  | 14063 | 0.487 ug/l   | 95     |
| 3) Chloromethane              | 1.54 | 50  | 16779 | 0.491 ug/l   | 100    |
| 4) Vinyl Chloride             | 1.62 | 62  | 16552 | 0.486 ug/l   | 99     |
| 5) Bromomethane               | 1.87 | 94  | 9813  | 0.480 ug/l   | 97     |
| 6) Chloroethane               | 1.95 | 64  | 10487 | 0.516 ug/l   | 98     |
| 7) Trichlorofluoromethane     | 2.16 | 101 | 17711 | 0.499 ug/l   | 95     |
| 8) 1,1,2-Trichloro-1,2,2-trif | 2.60 | 101 | 11503 | 0.520 ug/l   | 97     |
| 9) 1,1-Dichloroethene         | 2.61 | 96  | 11050 | 0.497 ug/l   | 92     |
| 10) Iodomethane               | 2.75 | 142 | 5898  | 0.434 ug/l   | 99     |
| 11) Allyl Chloride            | 2.95 | 41  | 20006 | 0.485 ug/l   | 93     |
| 12) Acrylonitrile             | 3.35 | 53  | 6856  | 1.129 ug/l # | 93     |
| 13) Acetone                   | 2.65 | 43  | 13066 | 2.689 ug/l   | 98     |
| 14) Carbon Disulfide          | 2.82 | 76  | 40192 | 0.495 ug/l   | 100    |
| 15) Methylene Chloride        | 3.07 | 84  | 29624 | 0.964 ug/l   | 96     |
| 16) trans-1,2-Dichloroethene  | 3.38 | 96  | 12227 | 0.503 ug/l   | 87     |
| 17) 1,1-Dichloroethane        | 3.91 | 63  | 21784 | 0.472 ug/l   | 96     |
| 18) 2-Butanone                | 4.76 | 43  | 16216 | 2.226 ug/l   | 99     |
| 19) Cyclohexane               | 5.42 | 56  | 19027 | 0.426 ug/l   | 91     |
| 20) Methylcyclohexane         | 6.79 | 83  | 20903 | 0.477 ug/l   | 98     |
| 21) 2,2-Dichloropropane       | 4.70 | 77  | 19446 | 0.505 ug/l   | 95     |
| 22) cis-1,2-Dichloroethene    | 4.71 | 96  | 12364 | 0.481 ug/l   | 94     |
| 23) Diethyl Ether             | 2.40 | 59  | 10780 | 0.553 ug/l   | 99     |
| 24) tert-Butyl Alcohol        | 3.23 | 59  | 11283 | 5.218 ug/l # | 88     |
| 25) Methyl tert-Butyl Ether   | 3.40 | 73  | 29529 | 0.485 ug/l # | 81     |
| 26) Bromochloromethane        | 5.01 | 128 | 4990  | 0.482 ug/l   | 95     |
| 27) Chloroform                | 5.13 | 83  | 20814 | 0.481 ug/l   | 95     |
| 28) 1,1,1-Trichloroethane     | 5.35 | 97  | 16776 | 0.471 ug/l   | 98     |
| 29) 1,1-Dichloropropene       | 5.56 | 75  | 17780 | 0.496 ug/l   | 97     |
| 30) Carbon Tetrachloride      | 5.56 | 117 | 14131 | 0.474 ug/l   | 96     |
| 31) Isopropyl Ether           | 4.04 | 45  | 35875 | 0.473 ug/l   | 94     |
| 32) Ethyl-t-butyl ether       | 4.55 | 59  | 30854 | 0.450 ug/l   | 100    |
| 33) Tert-Amyl methyl ether    | 5.98 | 73  | 26647 | 0.451 ug/l   | 96     |
| 34) Propionitrile             | 4.83 | 54  | 4906  | 2.352 ug/l # | 95     |
| 35) Benzene                   | 5.81 | 78  | 49086 | 0.489 ug/l   | 98     |
| 36) 1,2-Dichloroethane        | 5.83 | 62  | 14889 | 0.501 ug/l   | 99     |
| 37) Trichloroethene           | 6.57 | 130 | 12867 | 0.488 ug/l   | 94     |
| 38) 1,2-Dichloropropane       | 6.82 | 63  | 12957 | 0.480 ug/l   | 99     |
| 39) Methacrylonitrile         | 5.02 | 41  | 4822  | 0.494 ug/l   | 93     |
| 40) Methyl acrylate           | 4.89 | 55  | 7454  | 0.518 ug/l # | 92     |
| 41) Tetrahydrofuran           | 5.11 | 42  | 5242  | 1.076 ug/l   | 96     |
| 42) 1-Chlorobutane            | 5.49 | 56  | 24386 | 0.472 ug/l   | 98     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U050520\  
 Data File : VU038012.D  
 Acq On : 05 May 2020 12:47  
 Operator : JC/MD  
 Sample : L2182-08  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

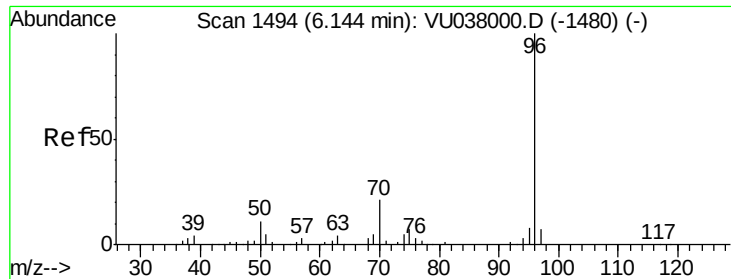
Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: May 06 01:23:31 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U050420DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Wed May 06 01:21:09 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| -----                          |       |      |          |       |        |          |
| 43) Dibromomethane             | 6.95  | 93   | 5603     | 0.445 | ug/l   | 93       |
| 44) Bromodichloromethane       | 7.14  | 83   | 14559    | 0.461 | ug/l   | 98       |
| 45) 4-Methyl-2-Pentanone       | 7.82  | 43   | 39373    | 2.296 | ug/l   | 99       |
| 46) t-1,4-Dichloro-2-butene    | 10.84 | 75   | 13015    | 2.455 | ug/l # | 38       |
| 47) Methyl methacrylate        | 7.00  | 69   | 11813    | 0.923 | ug/l   | 96       |
| 48) Ethyl methacrylate         | 8.36  | 69   | 10930    | 0.461 | ug/l   | 99       |
| 49) Toluene                    | 7.99  | 92   | 30253    | 0.477 | ug/l   | 98       |
| 50) t-1,3-Dichloropropene      | 8.23  | 75   | 13301    | 0.412 | ug/l   | 93       |
| 51) cis-1,3-Dichloropropene    | 7.63  | 75   | 16447    | 0.424 | ug/l   | 92       |
| 52) 1,1,2-Trichloroethane      | 8.43  | 97   | 8205     | 0.461 | ug/l   | 93       |
| 53) 1,3-Dichloropropane        | 8.60  | 76   | 16909    | 0.506 | ug/l   | 99       |
| 54) 2-Hexanone                 | 8.71  | 43   | 27524    | 2.274 | ug/l   | 97       |
| 55) Dibromochloromethane       | 8.84  | 129  | 8485     | 0.430 | ug/l   | 94       |
| 56) 1,2-Dibromoethane          | 8.95  | 107  | 7446     | 0.443 | ug/l   | 98       |
| 58) Tetrachloroethene          | 8.57  | 164  | 12468    | 0.507 | ug/l   | 97       |
| 59) Chlorobenzene              | 9.47  | 112  | 33059    | 0.491 | ug/l   | 98       |
| 60) 1,1,1,2-Tetrachloroethane  | 9.56  | 131  | 8817     | 0.431 | ug/l   | 97       |
| 61) Pentachloroethane          | 11.45 | 117  | 6773     | 0.442 | ug/l   | 99       |
| 62) Hexachloroethane           | 12.49 | 117  | 6194     | 0.388 | ug/l   | 99       |
| 63) Ethyl Benzene              | 9.59  | 91   | 54543    | 0.455 | ug/l   | 99       |
| 64) m/p-Xylenes                | 9.71  | 106  | 42129    | 0.913 | ug/l   | 96       |
| 65) o-Xylene                   | 10.12 | 106  | 20222    | 0.450 | ug/l   | 97       |
| 66) Styrene                    | 10.13 | 104  | 32302    | 0.436 | ug/l   | 97       |
| 67) Bromoform                  | 10.31 | 173  | 4213     | 0.406 | ug/l # | 92       |
| 69) Isopropylbenzene           | 10.50 | 105  | 53236    | 0.453 | ug/l   | 97       |
| 70) 1,1,2,2-Tetrachloroethane  | 10.80 | 83   | 10546    | 0.462 | ug/l   | 100      |
| 71) 1,2,3-Trichloropropane     | 10.84 | 75   | 13015    | 0.771 | ug/l   | 69       |
| 72) Bromobenzene               | 10.80 | 156  | 12458    | 0.475 | ug/l   | 95       |
| 73) n-propylbenzene            | 10.93 | 120  | 14503    | 0.450 | ug/l   | 99       |
| 74) 2-Chlorotoluene            | 11.01 | 126  | 13052    | 0.483 | ug/l   | 90       |
| 75) 1,3,5-Trimethylbenzene     | 11.11 | 105  | 41401    | 0.426 | ug/l   | 97       |
| 76) 4-Chlorotoluene            | 11.11 | 126  | 13398    | 0.477 | ug/l   | 91       |
| 77) tert-Butylbenzene          | 11.44 | 119  | 40473    | 0.437 | ug/l   | 98       |
| 78) 1,2,4-Trimethylbenzene     | 11.48 | 105  | 42332    | 0.423 | ug/l   | 100      |
| 79) sec-Butylbenzene           | 11.66 | 105  | 56243    | 0.424 | ug/l   | 98       |
| 80) Nitrobenzene               | 13.23 | 77   | 1161     | 1.715 | ug/l # | 89       |
| 81) p-Isopropyltoluene         | 11.81 | 119  | 45600    | 0.426 | ug/l   | 99       |
| 82) 1,3-Dichlorobenzene        | 11.76 | 146  | 26062    | 0.480 | ug/l   | 99       |
| 83) 1,4-Dichlorobenzene        | 11.85 | 146  | 25466    | 0.463 | ug/l   | 98       |
| 84) n-Butylbenzene             | 12.22 | 91   | 46747    | 0.438 | ug/l   | 99       |
| 85) 1,2-Dichlorobenzene        | 12.23 | 146  | 23557    | 0.466 | ug/l   | 95       |
| 86) 1,2-Dibromo-3-Chloropropan | 13.02 | 75   | 1593     | 0.443 | ug/l   | 87       |
| 87) 1,2,4-Trichlorobenzene     | 13.87 | 180  | 16402    | 0.444 | ug/l   | 96       |
| 88) Hexachlorobutadiene        | 14.06 | 225  | 7014     | 0.424 | ug/l   | 95       |
| 89) Naphthalene                | 14.12 | 128  | 30375    | 0.427 | ug/l   | 99       |
| 90) 1,2,3-Trichlorobenzene     | 14.37 | 180  | 15209    | 0.462 | ug/l   | 99       |
| -----                          |       |      |          |       |        |          |

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

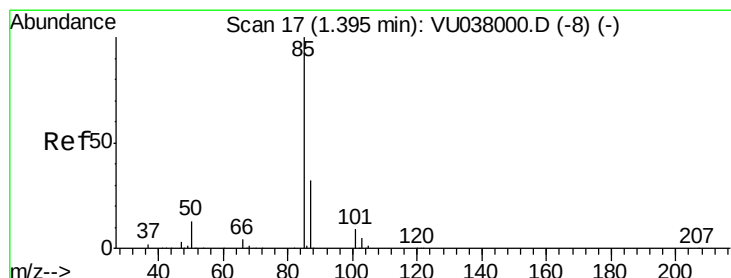
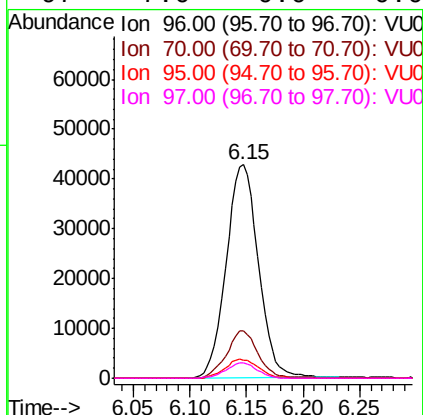
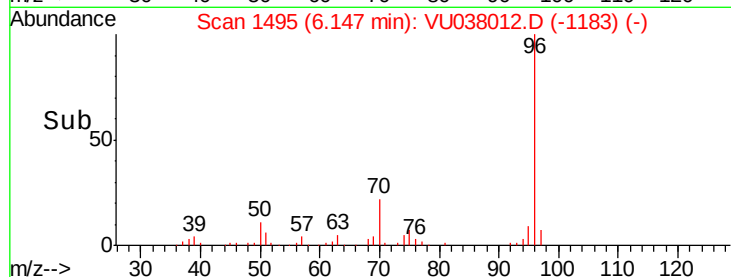
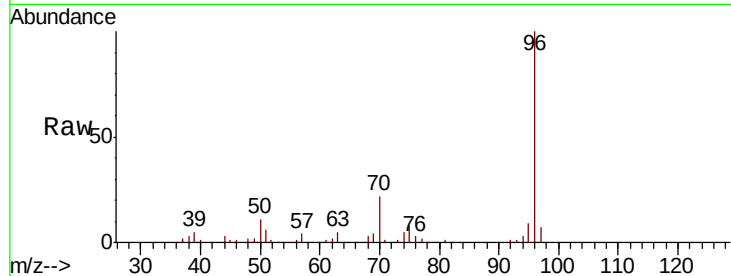




#1  
 Fluorobenzene  
 Concen: 1.000 ug/l  
 RT: 6.15 min Scan# 1495  
 Delta R.T. 0.00 min  
 Lab File: VU038012.D  
 Acq: 05 May 2020 12:47

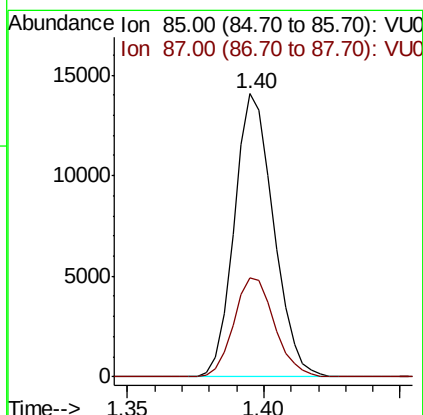
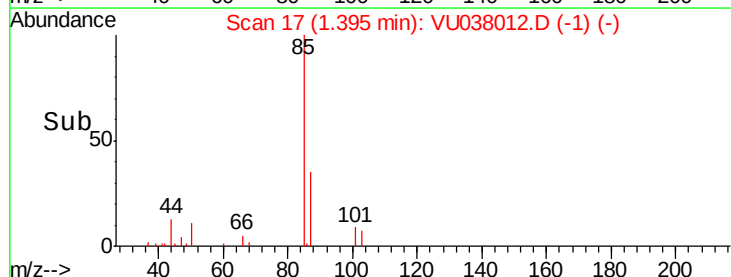
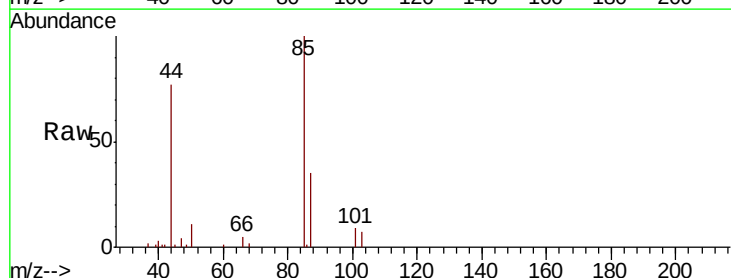
Instrument :  
 MSVOA\_U  
 ClientSampleId :

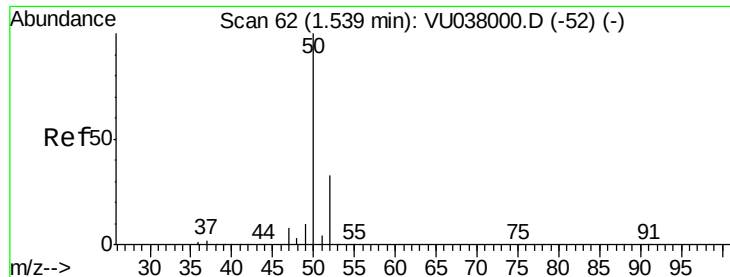
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 85066 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 70       | 20.7  | 14.4  | 21.6  |
| 95       | 9.0   | 7.1   | 10.7  |
| 97       | 7.0   | 0.0   | 0.0#  |



#2  
 Dichlorodifluoromethane  
 Concen: 0.487 ug/l  
 RT: 1.40 min Scan# 17  
 Delta R.T. 0.00 min  
 Lab File: VU038012.D  
 Acq: 05 May 2020 12:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 85    | Resp: | 14063 |
| Ion      | Ratio | Lower | Upper |
| 85       | 100   |       |       |
| 87       | 35.1  | 16.2  | 48.5  |





#3

Chloromethane

Concen: 0.491 ug/l

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

Instrument :

MSVOA\_U

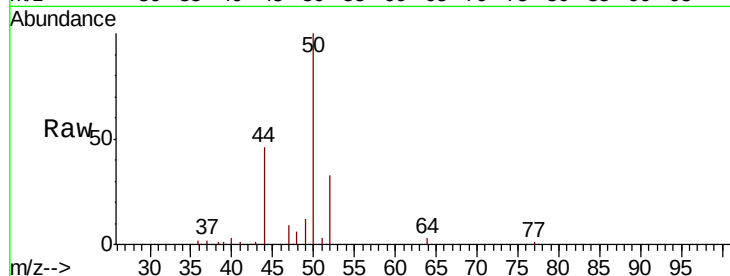
ClientSampleId :

Tot Ion: 50 Resp: 16779

Ion Ratio Lower Upper

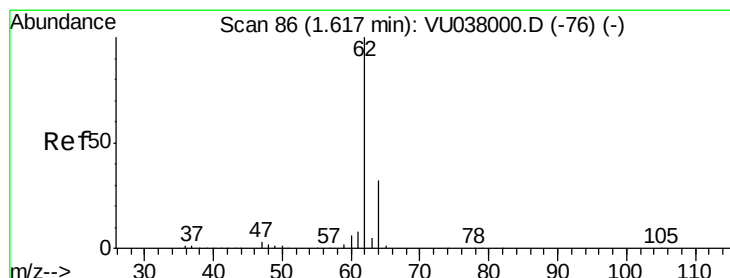
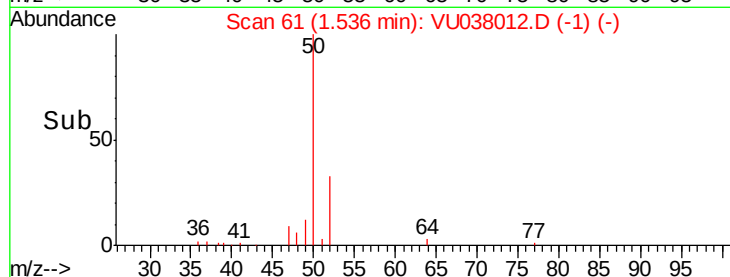
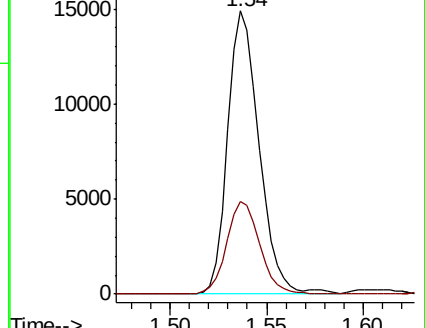
50 100

52 32.7 26.1 39.1



Abundance Ion 50.00 (49.70 to 50.70): VU038012.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU038012.D (-1) (-)



#4

Vinyl Chloride

Concen: 0.486 ug/l

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038012.D

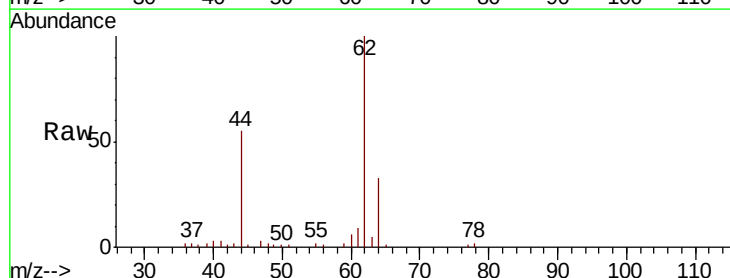
Acq: 05 May 2020 12:47

Tgt Ion: 62 Resp: 16552

Ion Ratio Lower Upper

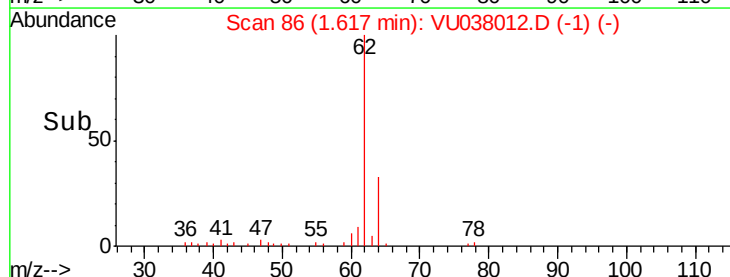
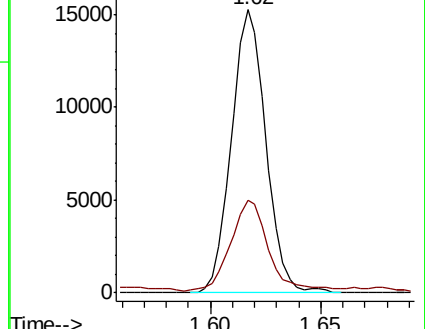
62 100

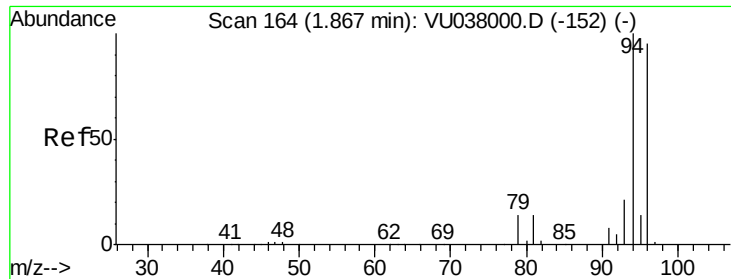
64 31.6 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VU038012.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU038012.D (-1) (-)

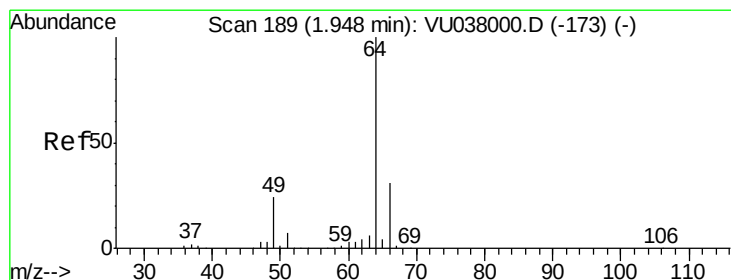
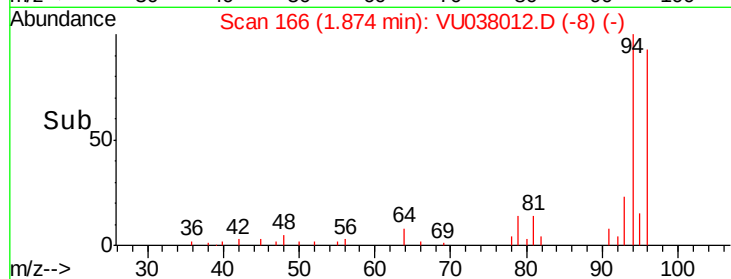
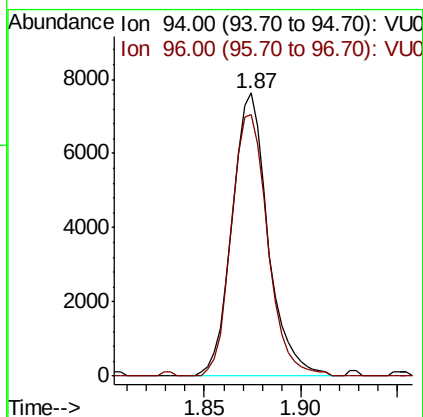
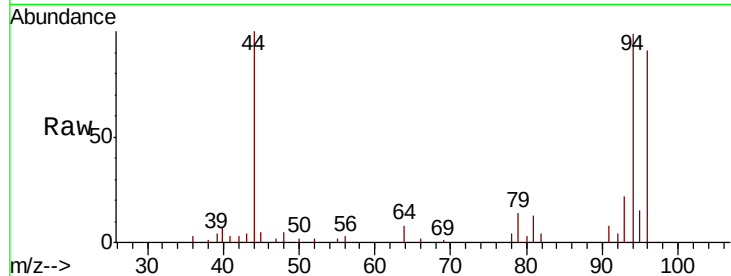




#5  
 Bromomethane  
 Concen: 0.480 ug/l  
 RT: 1.87 min Scan# 166  
 Delta R.T. 0.01 min  
 Lab File: VU038012.D  
 Acq: 05 May 2020 12:47

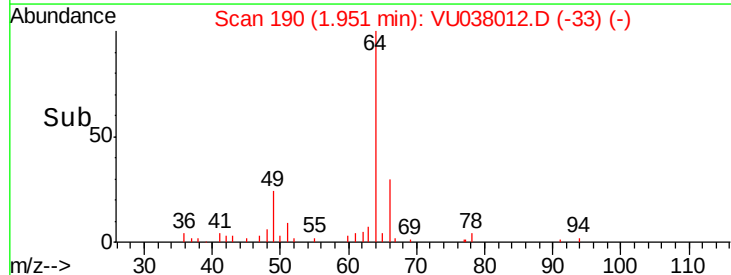
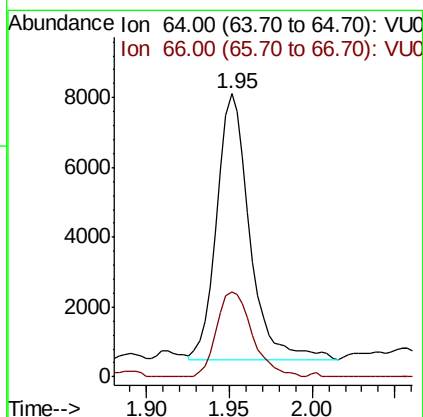
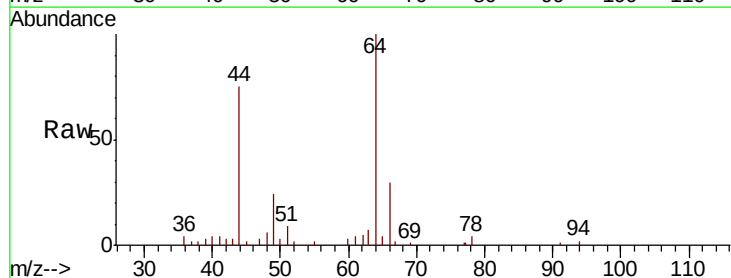
Instrument :  
 MSVOA\_U  
 ClientSampleId :

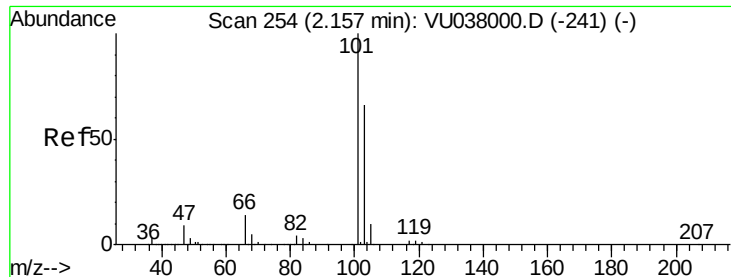
Tot Ion: 94 Resp: 9813  
 Ion Ratio Lower Upper  
 94 100  
 96 92.5 76.1 114.1



#6  
 Chloroethane  
 Concen: 0.516 ug/l  
 RT: 1.95 min Scan# 190  
 Delta R.T. 0.00 min  
 Lab File: VU038012.D  
 Acq: 05 May 2020 12:47

Tgt Ion: 64 Resp: 10487  
 Ion Ratio Lower Upper  
 64 100  
 66 32.2 24.8 37.2



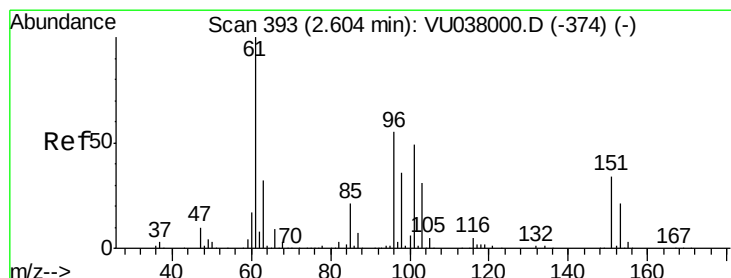
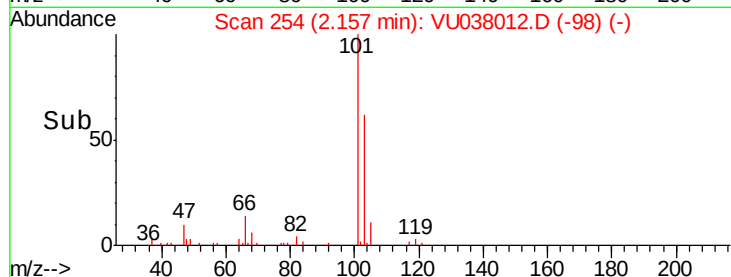
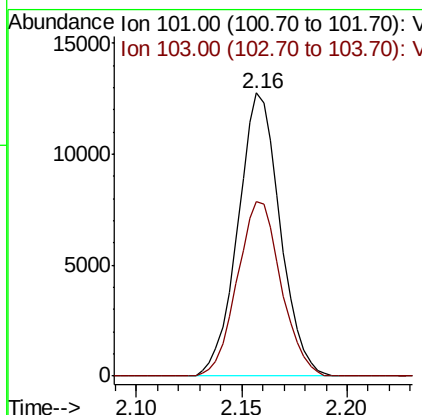
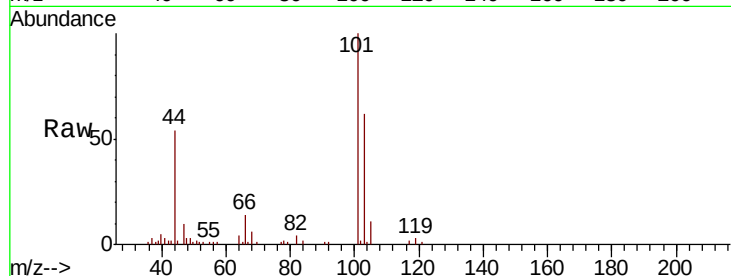


#7

Trichlorofluoromethane  
 Concen: 0.499 ug/l  
 RT: 2.16 min Scan# 254  
 Delta R.T. 0.00 min  
 Lab File: VU038012.D  
 Acq: 05 May 2020 12:47

Instrument :  
 MSVOA\_U  
 ClientSampled :

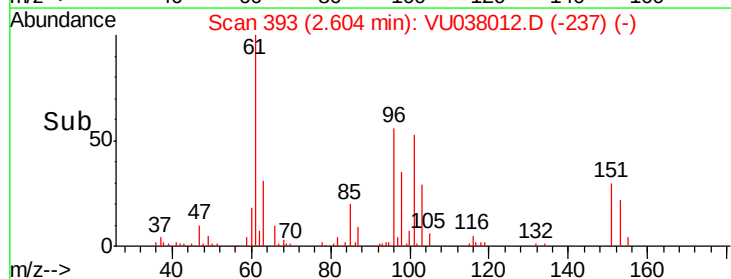
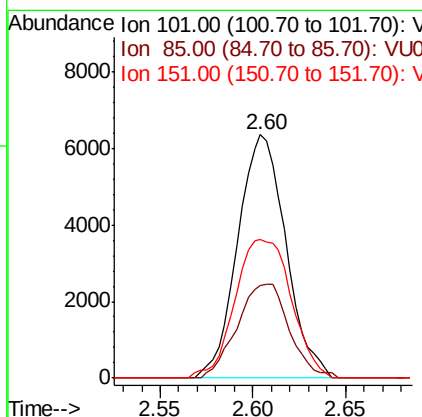
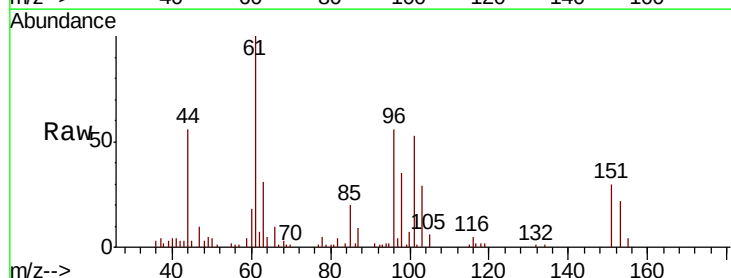
Tot Ion:101 Resp: 17711  
 Ion Ratio Lower Upper  
 101 100  
 103 61.6 52.6 78.8

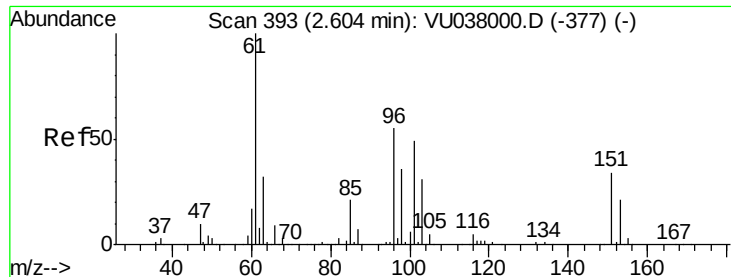


#8

1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.520 ug/l  
 RT: 2.60 min Scan# 393  
 Delta R.T. 0.00 min  
 Lab File: VU038012.D  
 Acq: 05 May 2020 12:47

Tgt Ion:101 Resp: 11503  
 Ion Ratio Lower Upper  
 101 100  
 85 41.8 35.5 53.3  
 151 66.8 55.2 82.8





#9

1,1-Dichloroethene

Concen: 0.497 ug/l

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

Instrument :  
MSVOA\_U  
ClientSampleId :

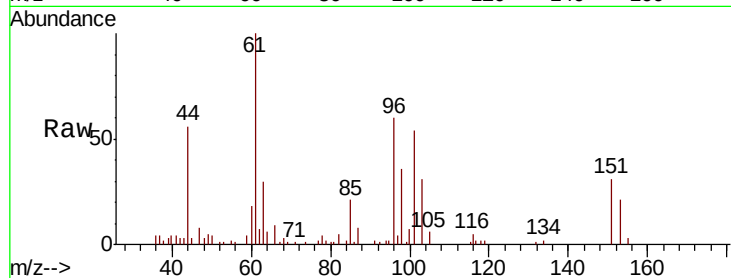
Tot Ion: 96 Resp: 11050

Ion Ratio Lower Upper

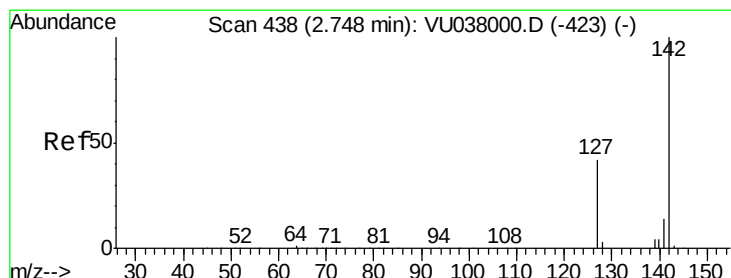
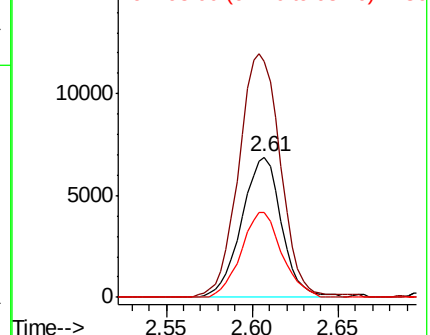
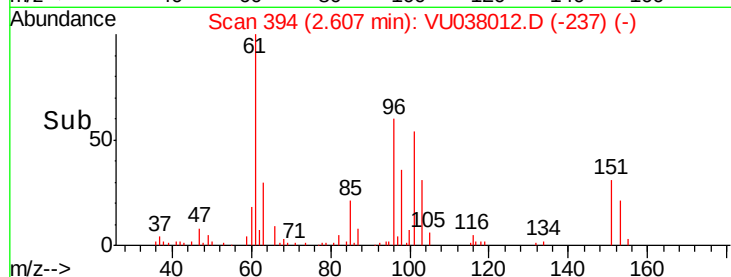
96 100

61 167.9 0.0 543.0

98 60.5 0.0 129.4



Abundance Ion 96.00 (95.70 to 96.70): VU038012.D (-237) (-)



#10

Iodomethane

Concen: 0.434 ug/l

RT: 2.75 min Scan# 438

Delta R.T. 0.00 min

Lab File: VU038012.D

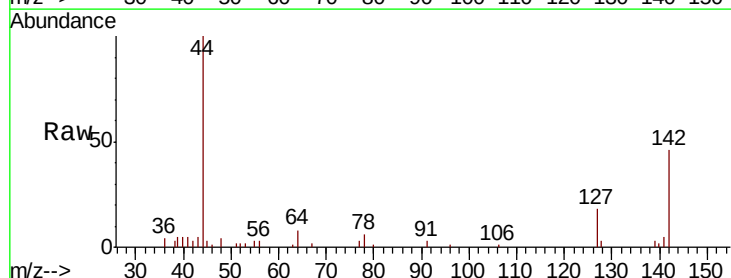
Acq: 05 May 2020 12:47

Tgt Ion: 142 Resp: 5898

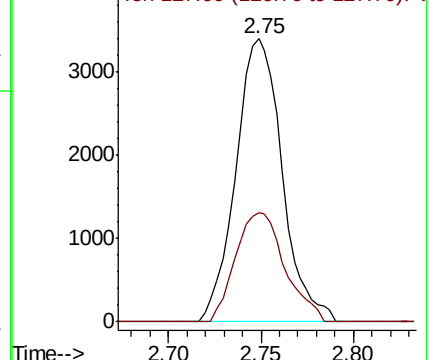
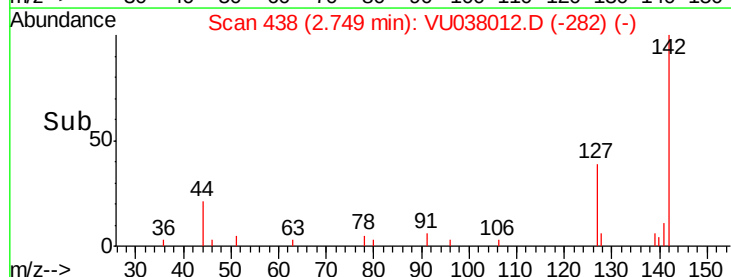
Ion Ratio Lower Upper

142 100

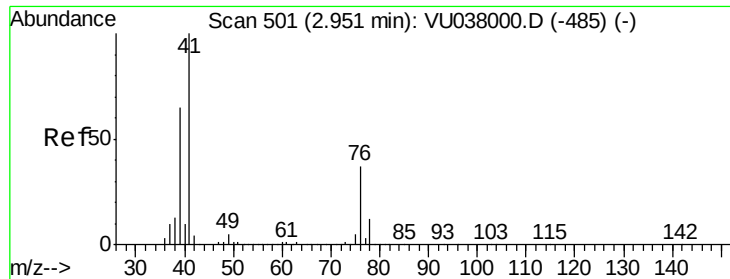
127 41.0 33.5 50.3



Abundance Ion 142.00 (141.70 to 142.70): VU038012.D (-282) (-)



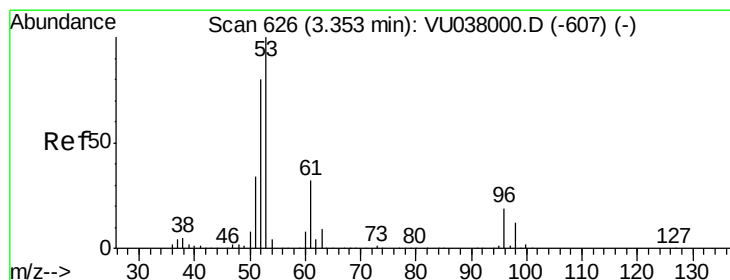
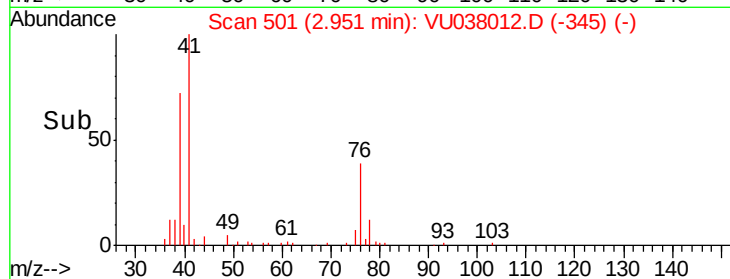
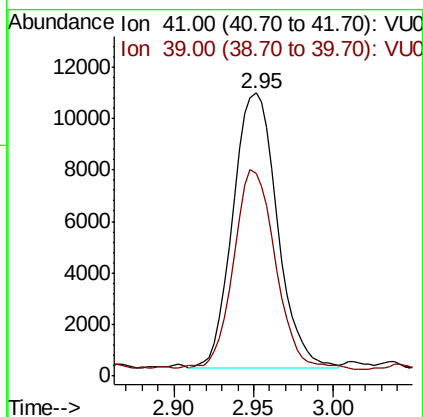
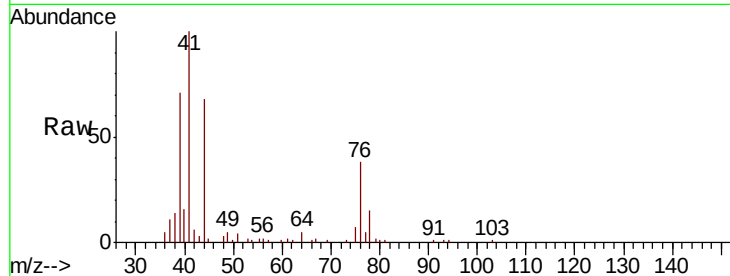




#11  
Allvl Chloride  
Concen: 0.485 ug/l  
RT: 2.95 min Scan# 501  
Delta R.T. 0.00 min  
Lab File: VU038012.D  
Acq: 05 May 2020 12:47

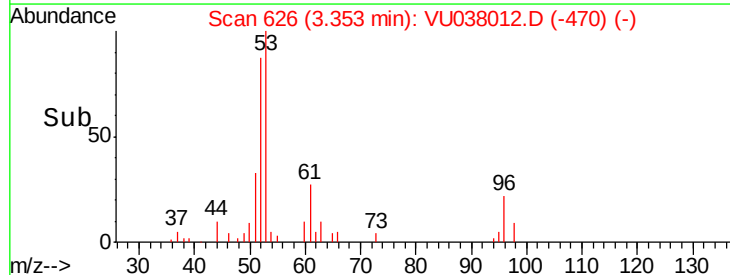
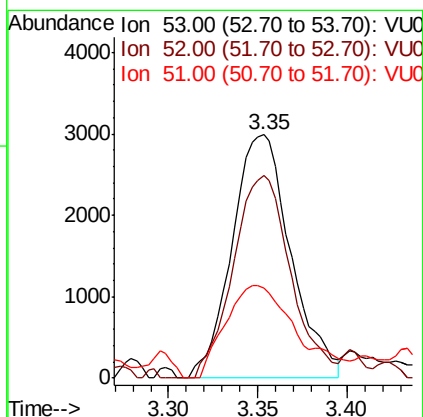
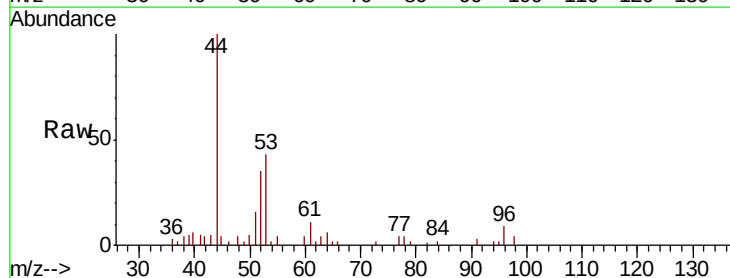
Instrument :  
MSVOA\_U  
ClientSampled :

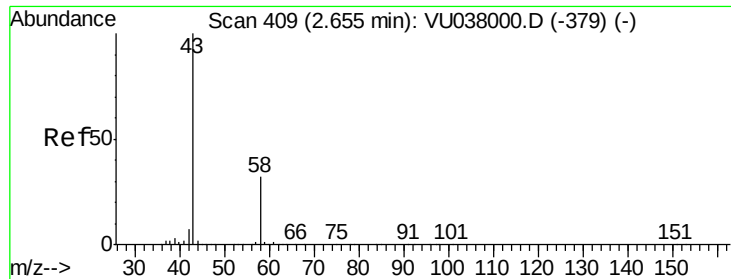
Tot Ion: 41 Resp: 20006  
Ion Ratio Lower Upper  
41 100  
39 69.9 51.7 77.5



#12  
Acrylonitrile  
Concen: 1.129 ug/l  
RT: 3.35 min Scan# 626  
Delta R.T. 0.00 min  
Lab File: VU038012.D  
Acq: 05 May 2020 12:47

Tgt Ion: 53 Resp: 6856  
Ion Ratio Lower Upper  
53 100  
52 81.6 63.3 94.9  
51 46.5 30.2 45.2#

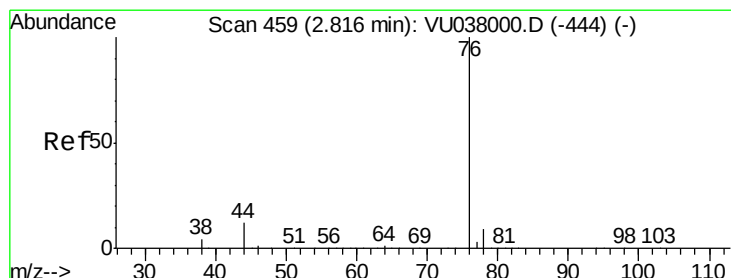
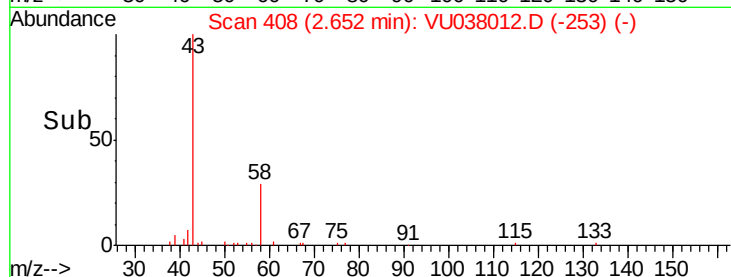
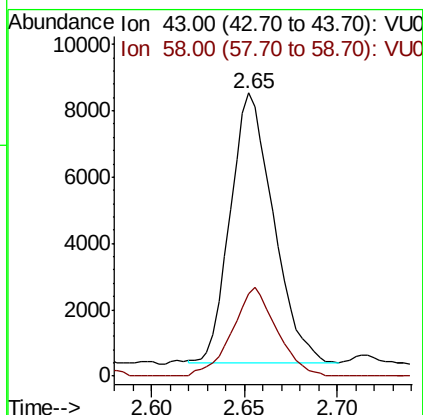
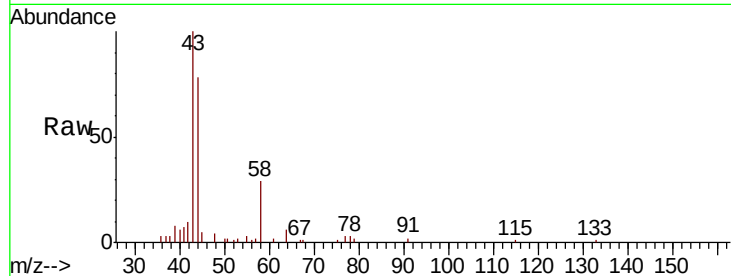




#13  
Acetone  
Concen: 2.689 ug/l  
RT: 2.65 min Scan# 408  
Delta R.T. -0.00 min  
Lab File: VU038012.D  
Acq: 05 May 2020 12:47

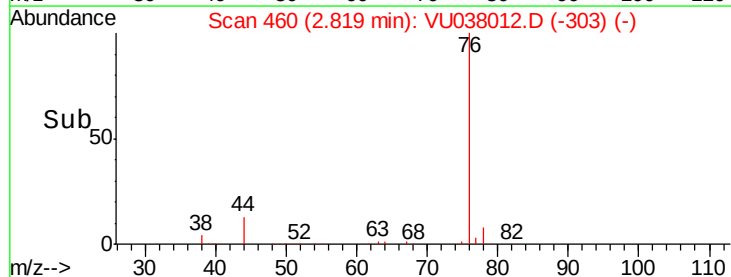
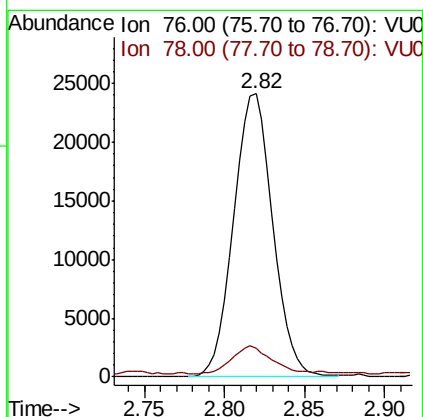
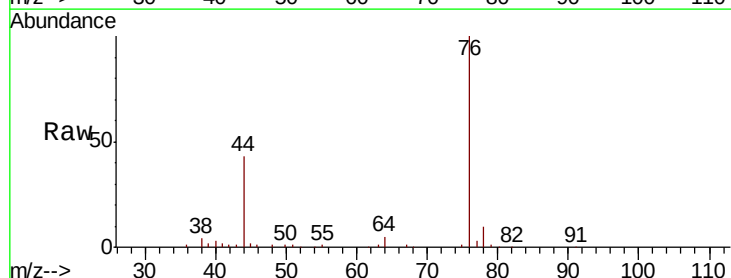
Instrument :  
MSVOA\_U  
ClientSampled :

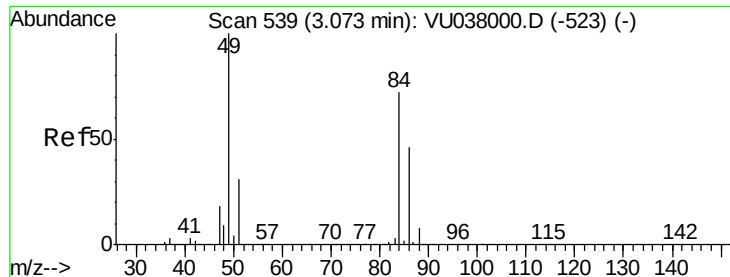
Tot Ion: 43 Resp: 13066  
Ion Ratio Lower Upper  
43 100  
58 30.5 25.2 37.8



#14  
Carbon Disulfide  
Concen: 0.495 ug/l  
RT: 2.82 min Scan# 460  
Delta R.T. 0.00 min  
Lab File: VU038012.D  
Acq: 05 May 2020 12:47

Tgt Ion: 76 Resp: 40192  
Ion Ratio Lower Upper  
76 100  
78 8.6 7.0 10.6

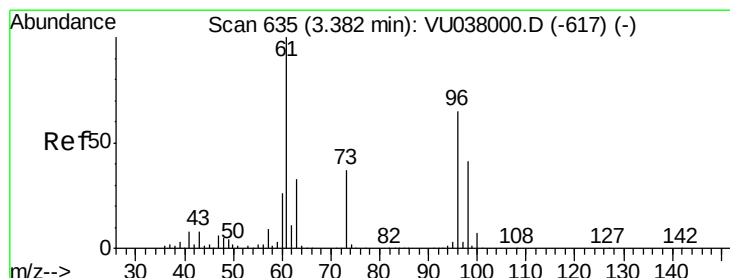
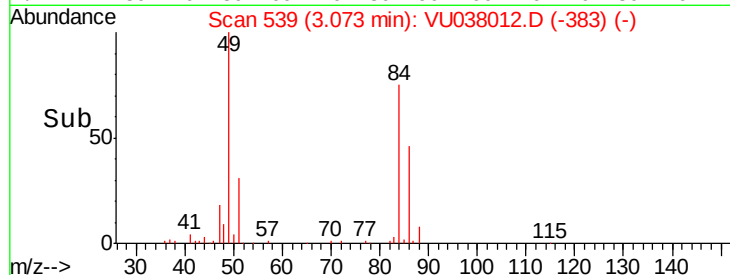
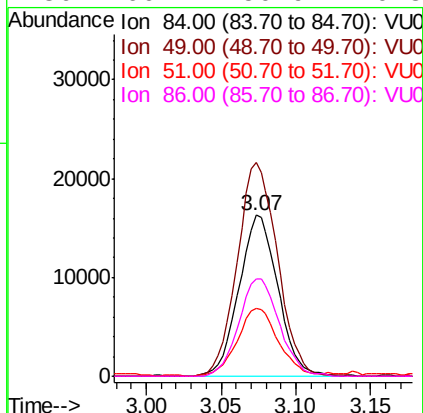
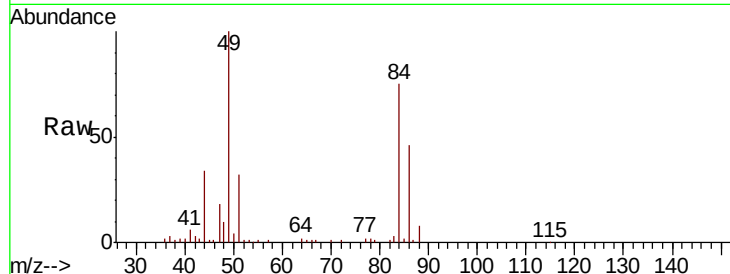




#15  
Methvlene Chloride  
Concen: 0.964 ug/l  
RT: 3.07 min Scan# 539  
Delta R.T. 0.00 min  
Lab File: VU038012.D  
Acq: 05 May 2020 12:47

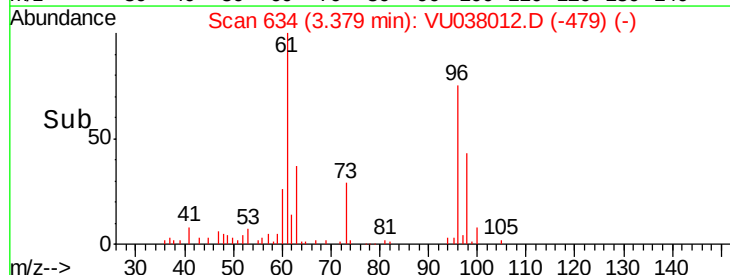
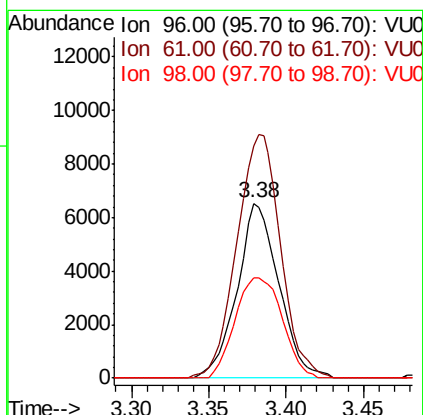
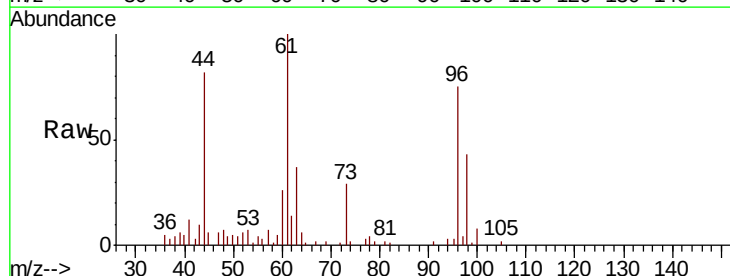
Instrument :  
MSVOA\_U  
ClientSampleId :

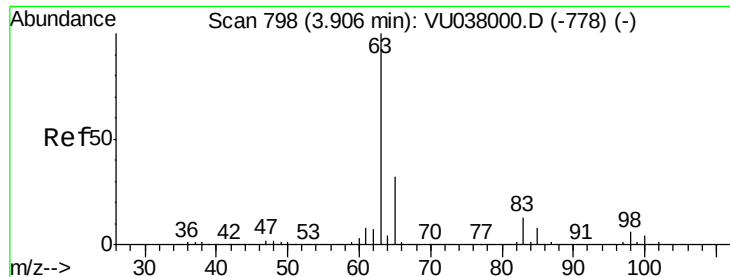
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 29624 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 132.8 | 110.6 | 166.0 |
| 51       | 42.4  | 0.0   | 85.4  |
| 86       | 60.7  | 50.9  | 76.3  |



#16  
trans-1,2-Dichloroethene  
Concen: 0.503 ug/l  
RT: 3.38 min Scan# 634  
Delta R.T. -0.00 min  
Lab File: VU038012.D  
Acq: 05 May 2020 12:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 12227 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 133.1 | 122.4 | 183.6 |
| 98       | 57.6  | 50.1  | 75.1  |

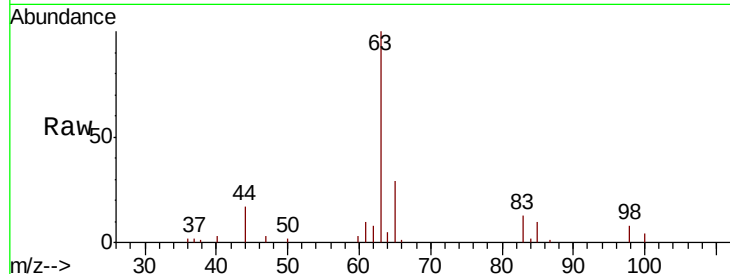




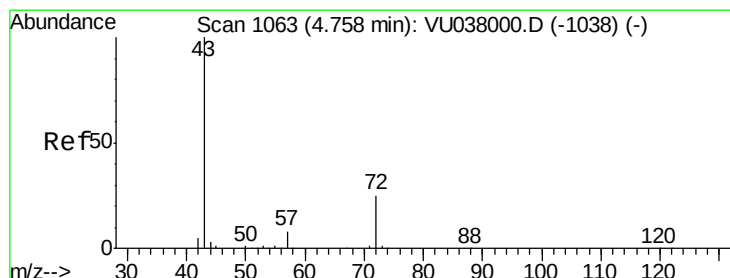
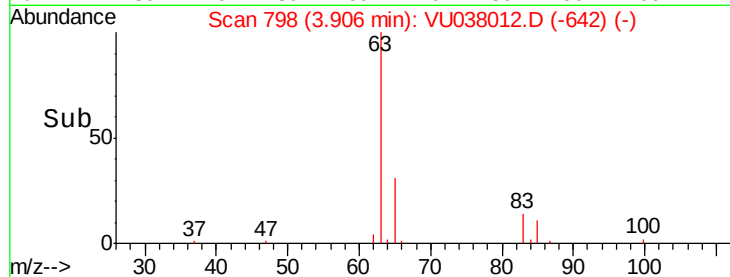
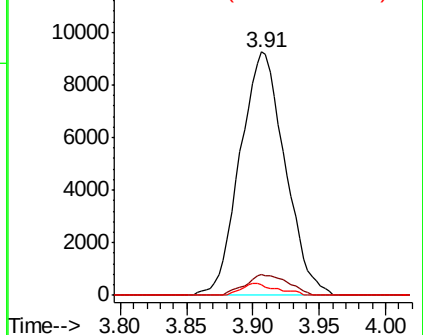
#17  
 1,1-Dichloroethane  
 Concen: 0.472 ug/l  
 RT: 3.91 min Scan# 798  
 Delta R.T. 0.00 min  
 Lab File: VU038012.D  
 Acq: 05 May 2020 12:47

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Tot Ion: 63 Resp: 21784  
 Ion Ratio Lower Upper  
 63 100  
 98 8.4 3.1 9.4  
 100 4.2 2.2 6.6

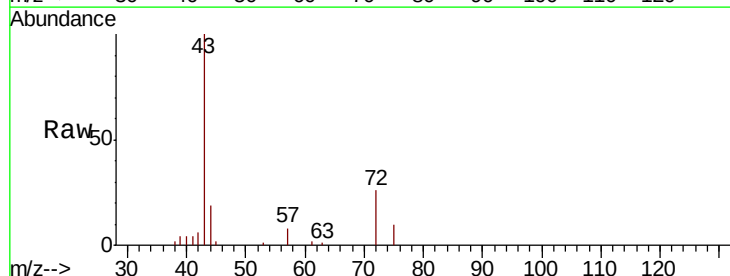


Abundance Ion 63.00 (62.70 to 63.70): VU0  
 Ion 98.00 (97.70 to 98.70): VU0  
 Ion 100.00 (99.70 to 100.70): VU0

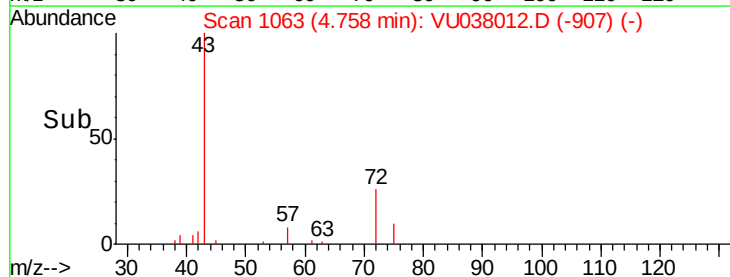
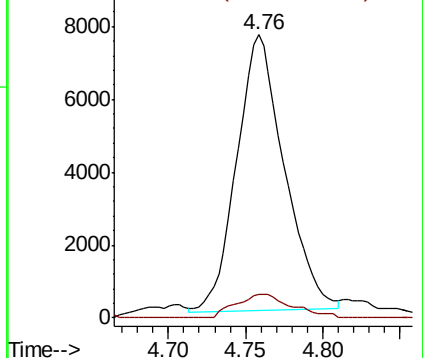


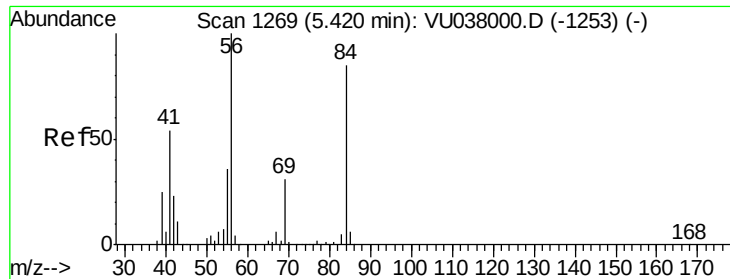
#18  
 2-Butanone  
 Concen: 2.226 ug/l  
 RT: 4.76 min Scan# 1063  
 Delta R.T. 0.00 min  
 Lab File: VU038012.D  
 Acq: 05 May 2020 12:47

Tgt Ion: 43 Resp: 16216  
 Ion Ratio Lower Upper  
 43 100  
 57 8.7 0.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VU0  
 Ion 57.00 (56.70 to 57.70): VU0

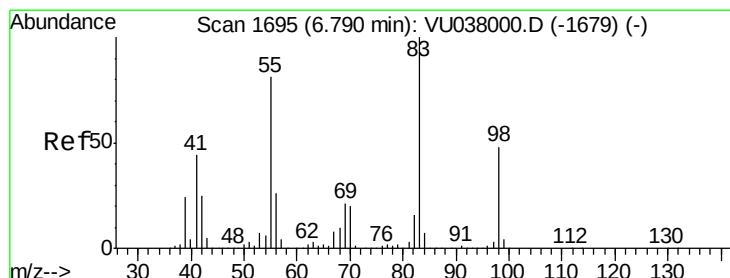
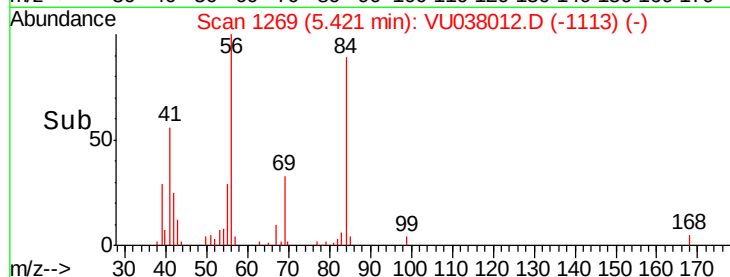
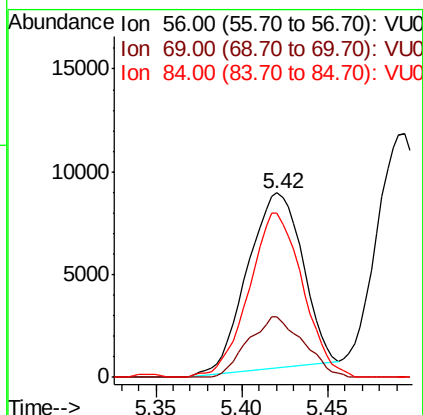
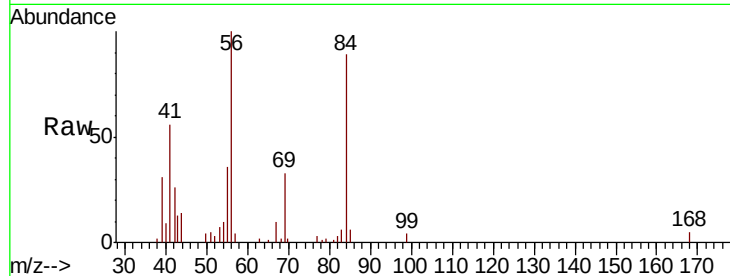




#19  
Cyclohexane  
Concen: 0.426 ug/l  
RT: 5.42 min Scan# 1269  
Delta R.T. 0.00 min  
Lab File: VU038012.D  
Acq: 05 May 2020 12:47

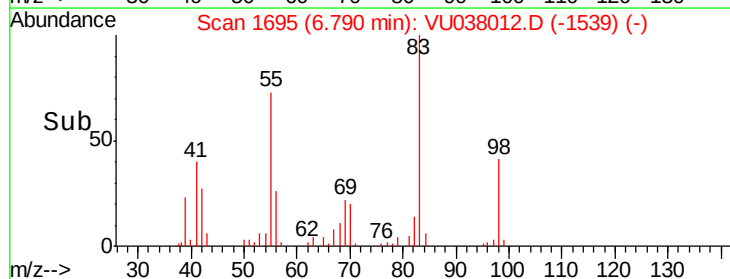
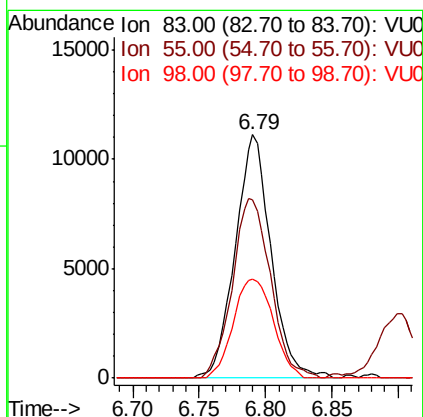
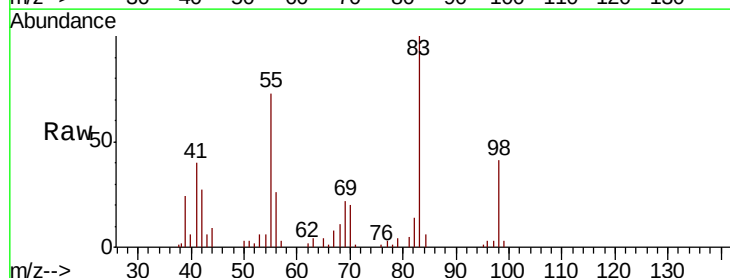
Instrument :  
MSVOA\_U  
ClientSampled :

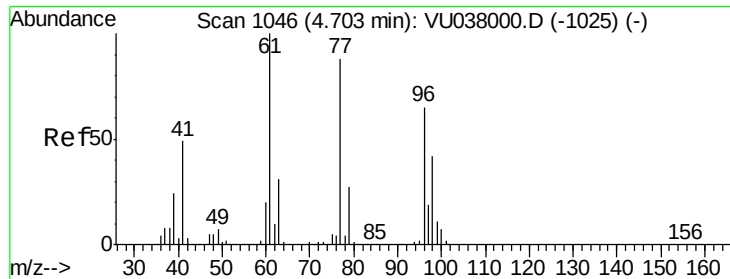
| Tot Ion | 56    | Resp  | 19027 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 56      | 100   |       |       |
| 69      | 34.6  | 24.3  | 36.5  |
| 84      | 91.4  | 66.3  | 99.5  |



#20  
Methylcyclohexane  
Concen: 0.477 ug/l  
RT: 6.79 min Scan# 1695  
Delta R.T. 0.00 min  
Lab File: VU038012.D  
Acq: 05 May 2020 12:47

| Tgt Ion | 83    | Resp  | 20903 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 83      | 100   |       |       |
| 55      | 78.3  | 61.5  | 92.3  |
| 98      | 45.2  | 37.3  | 55.9  |

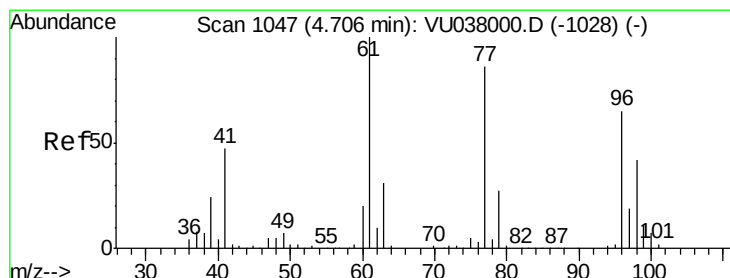
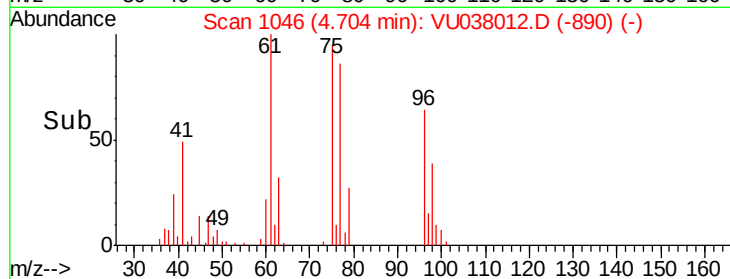
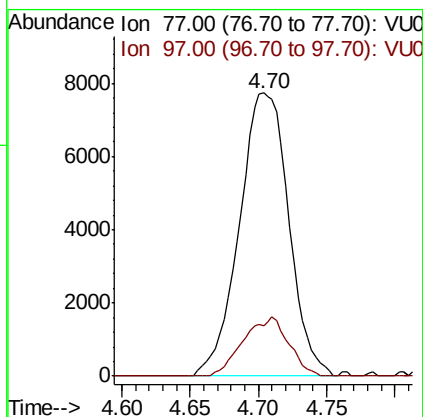
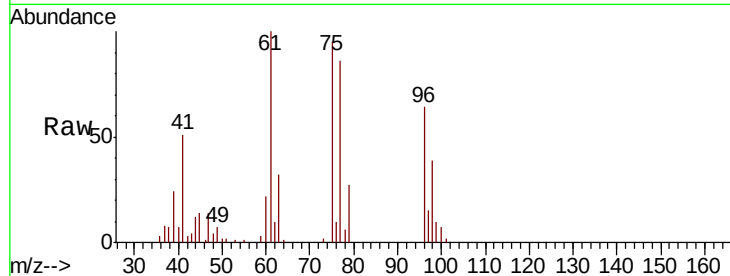




#21  
 2,2-Dichloropropane  
 Concen: 0.505 ug/l  
 RT: 4.70 min Scan# 1046  
 Delta R.T. 0.00 min  
 Lab File: VU038012.D  
 Acq: 05 May 2020 12:47

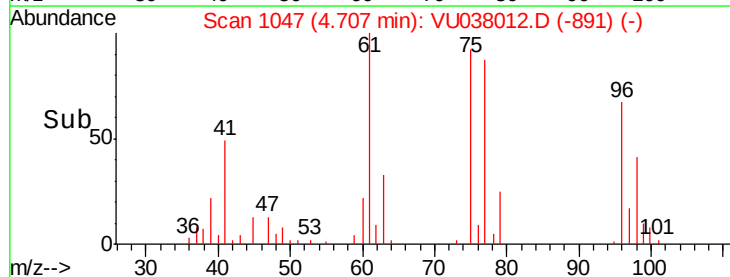
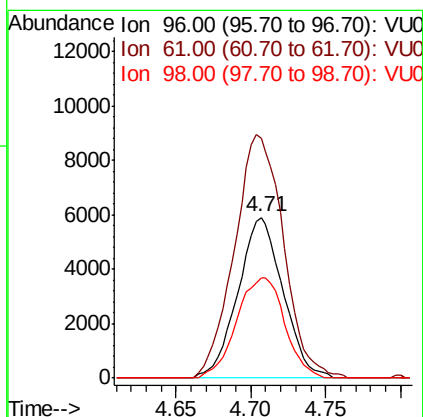
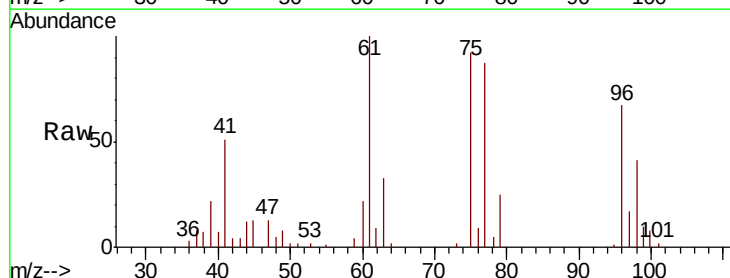
Instrument :  
 MSVOA\_U  
 ClientSampled :

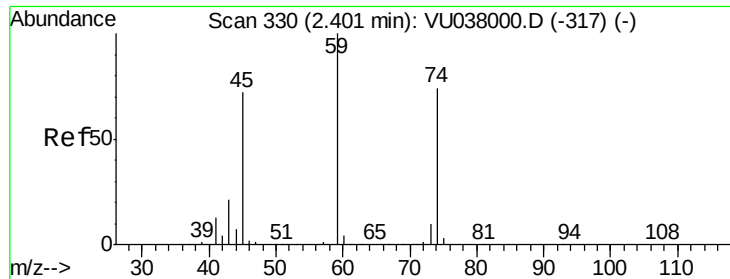
Tot Ion: 77 Resp: 19446  
 Ion Ratio Lower Upper  
 77 100  
 97 19.2 17.4 26.2



#22  
 cis-1,2-Dichloroethene  
 Concen: 0.481 ug/l  
 RT: 4.71 min Scan# 1047  
 Delta R.T. 0.00 min  
 Lab File: VU038012.D  
 Acq: 05 May 2020 12:47

Tgt Ion: 96 Resp: 12364  
 Ion Ratio Lower Upper  
 96 100  
 61 165.0 0.0 389.3  
 98 66.4 32.1 96.3

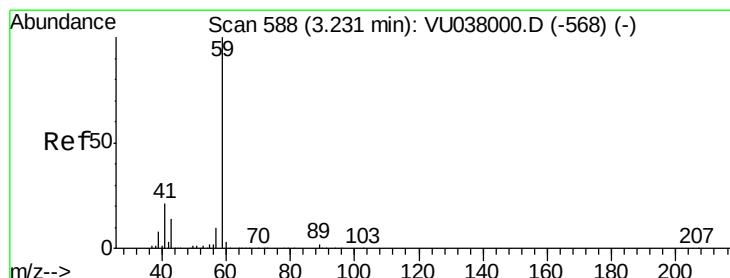
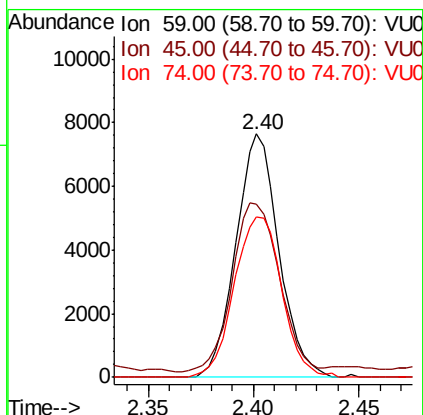
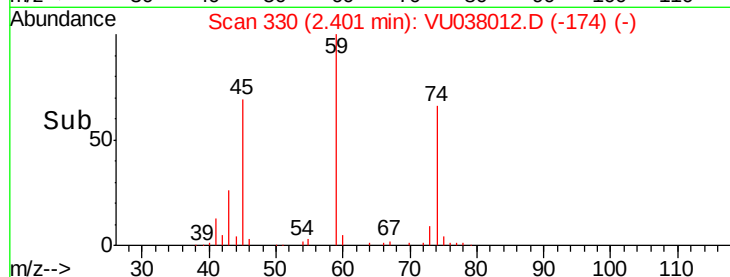
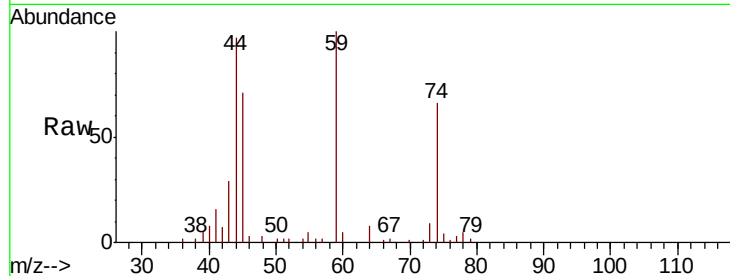




#23  
Diethyl Ether  
Concen: 0.553 ug/l  
RT: 2.40 min Scan# 330  
Delta R.T. 0.00 min  
Lab File: VU038012.D  
Acq: 05 May 2020 12:47

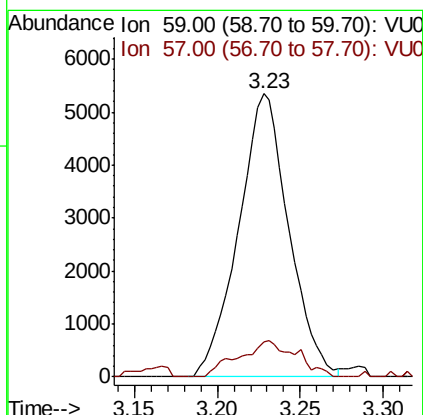
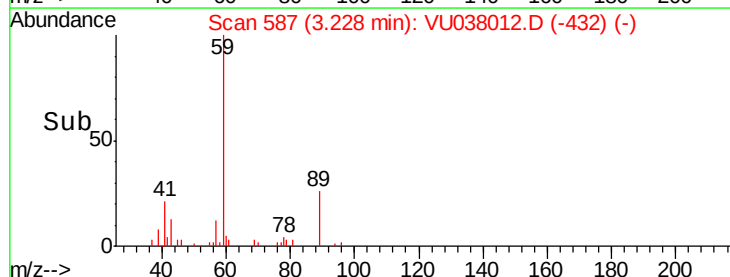
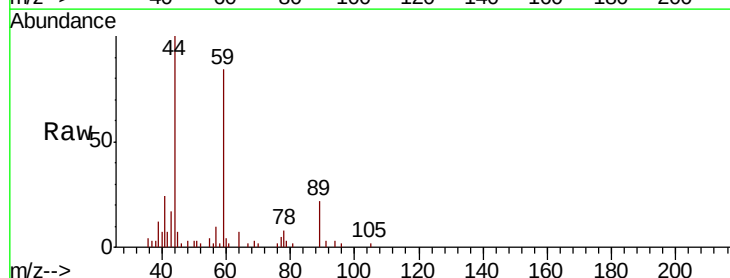
Instrument :  
MSVOA\_U  
ClientSampleId :

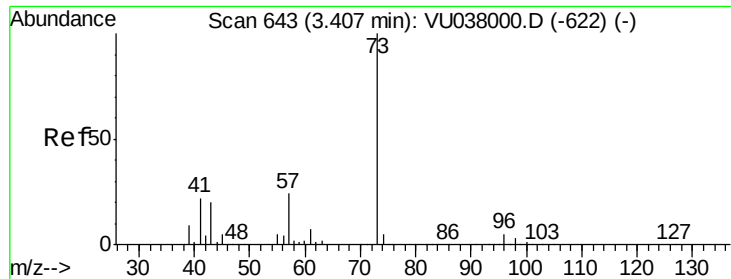
Tot Ion: 59 Resp: 10780  
Ion Ratio Lower Upper  
59 100  
45 76.5 59.8 89.6  
74 73.3 58.2 87.4



#24  
tert-Butyl Alcohol  
Concen: 5.218 ug/l  
RT: 3.23 min Scan# 587  
Delta R.T. -0.00 min  
Lab File: VU038012.D  
Acq: 05 May 2020 12:47

Tgt Ion: 59 Resp: 11283  
Ion Ratio Lower Upper  
59 100  
57 14.7 8.2 12.4#





#25

Methyl tert-Butyl Ether

Concen: 0.485 ug/l

RT: 3.40 min Scan# 642

Delta R.T. -0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

Instrument :

MSVOA\_U

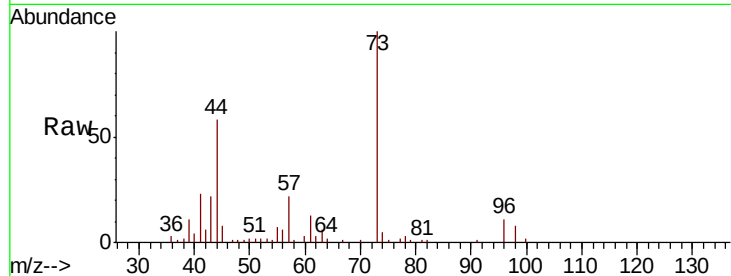
ClientSampled :

Tot Ion: 73 Resp: 29529

Ion Ratio Lower Upper

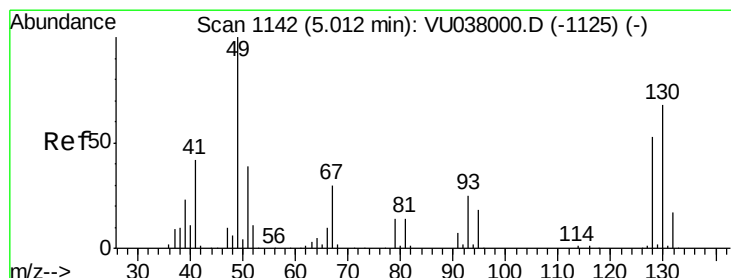
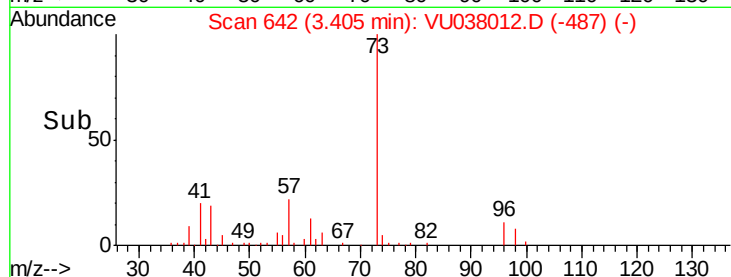
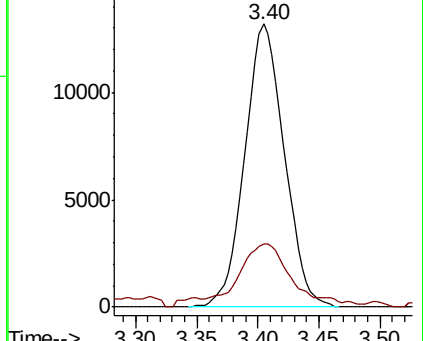
73 100

43 28.8 16.2 24.2#



Abundance Ion 73.00 (72.70 to 73.70): VU038012.D (-487) (-)

Ion 43.00 (42.70 to 43.70): VU038012.D (-487) (-)



#26

Bromochloromethane

Concen: 0.482 ug/l

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

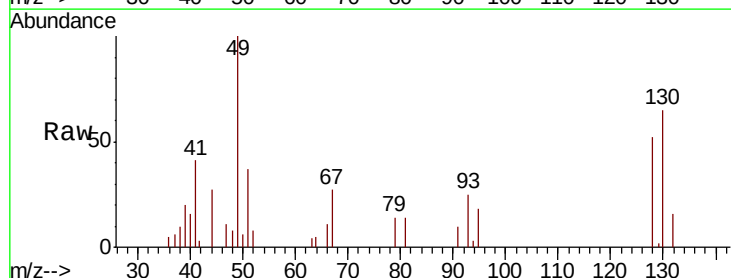
Tgt Ion: 128 Resp: 4990

Ion Ratio Lower Upper

128 100

49 195.1 0.0 376.0

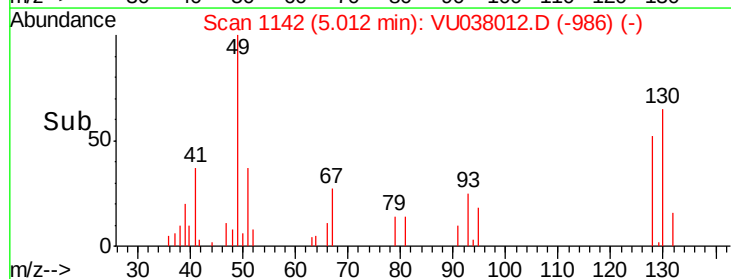
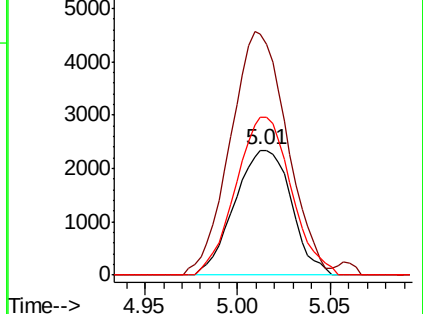
130 123.6 102.6 153.8



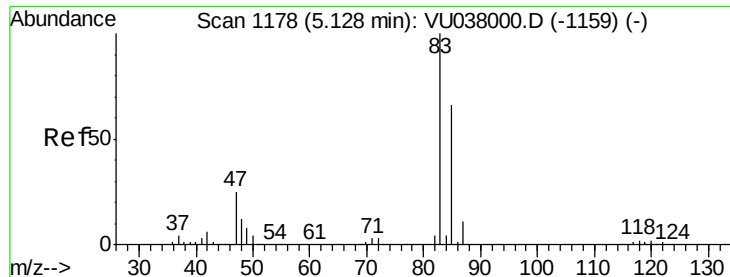
Abundance Ion 128.00 (127.70 to 128.70): VU038012.D (-986) (-)

Ion 49.00 (48.70 to 49.70): VU038012.D (-986) (-)

Ion 130.00 (129.70 to 130.70): VU038012.D (-986) (-)



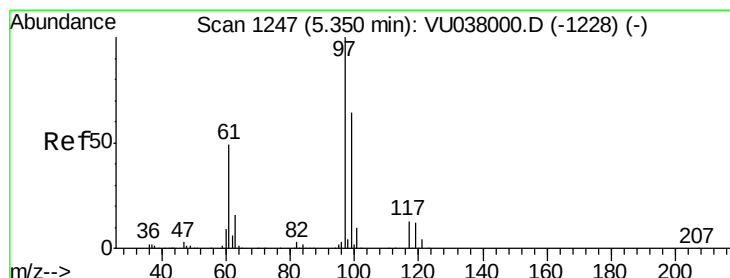
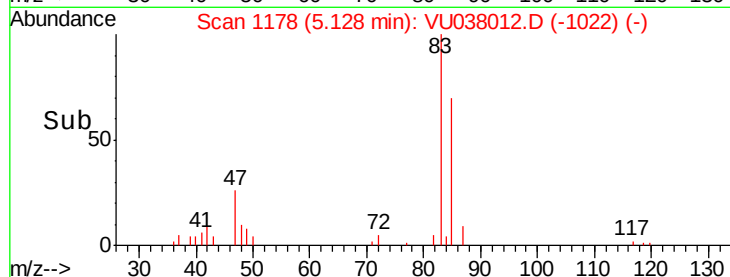
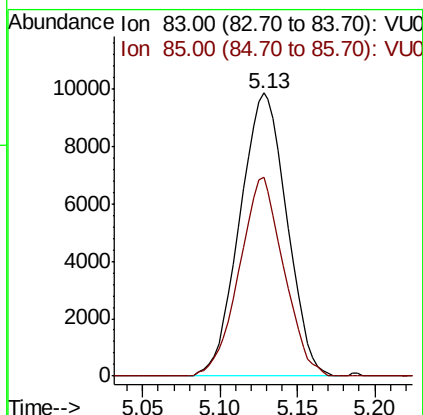
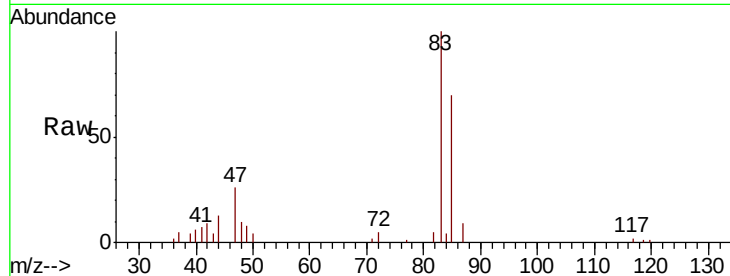




#27  
Chloroform  
Concen: 0.481 ug/l  
RT: 5.13 min Scan# 1178  
Delta R.T. 0.00 min  
Lab File: VU038012.D  
Acq: 05 May 2020 12:47

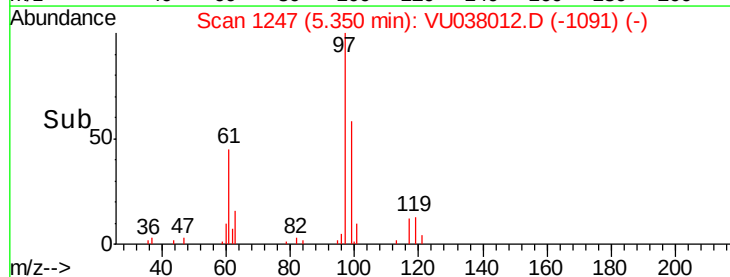
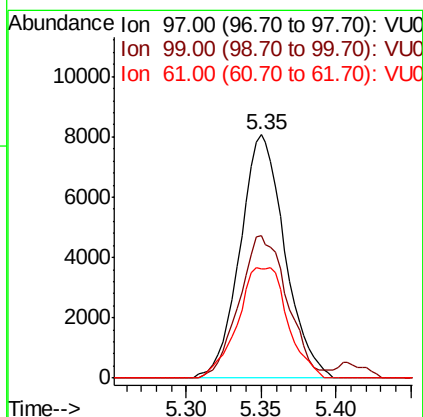
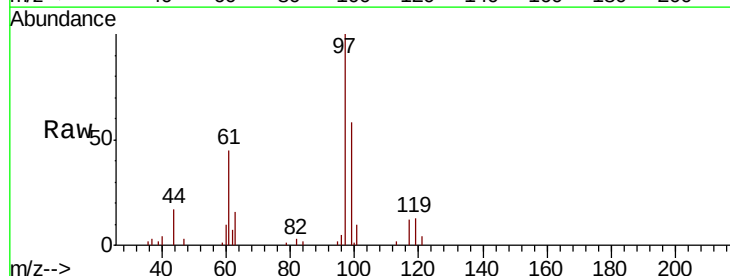
Instrument :  
MSVOA\_U  
ClientSampled :

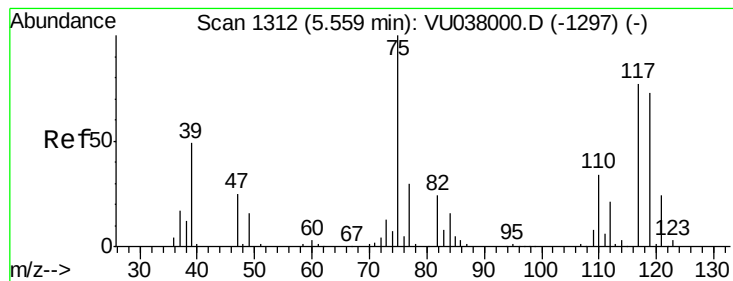
Tot Ion: 83 Resp: 20814  
Ion Ratio Lower Upper  
83 100  
85 70.1 0.0 132.0



#28  
1,1,1-Trichloroethane  
Concen: 0.471 ug/l  
RT: 5.35 min Scan# 1247  
Delta R.T. 0.00 min  
Lab File: VU038012.D  
Acq: 05 May 2020 12:47

Tgt Ion: 97 Resp: 16776  
Ion Ratio Lower Upper  
97 100  
99 63.4 31.9 95.9  
61 50.3 24.1 72.4





#29

1,1-Dichloropropene

Concen: 0.496 ug/l

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

Instrument :  
MSVOA\_U  
ClientSampled :

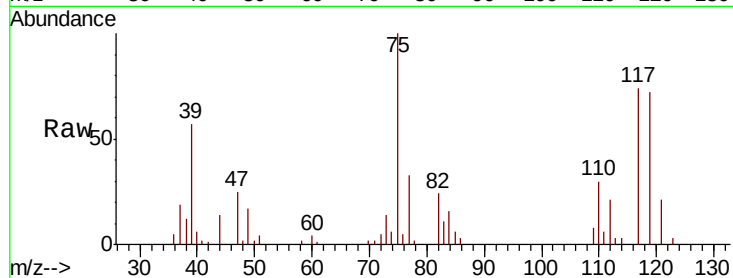
Tot Ion: 75 Resp: 17780

Ion Ratio Lower Upper

75 100

110 31.9 16.7 50.1

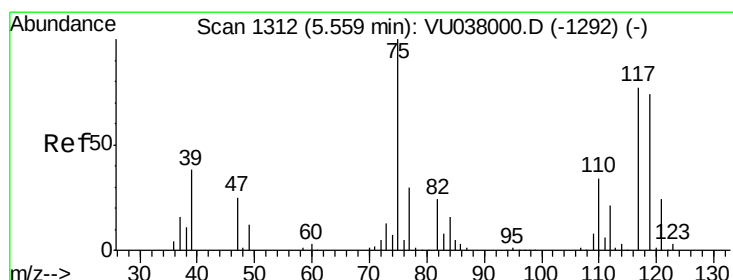
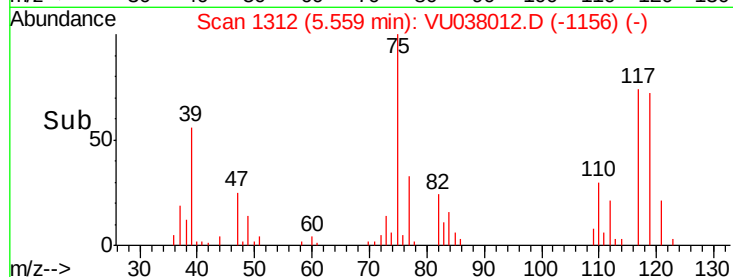
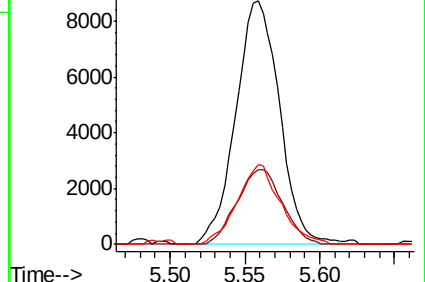
77 32.5 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VU038000.D (-1297) (-)

Ion 110.00 (109.70 to 110.70): VU038000.D (-1297) (-)

Ion 77.00 (76.70 to 77.70): VU038000.D (-1297) (-)



#30

Carbon Tetrachloride

Concen: 0.474 ug/l

RT: 5.56 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

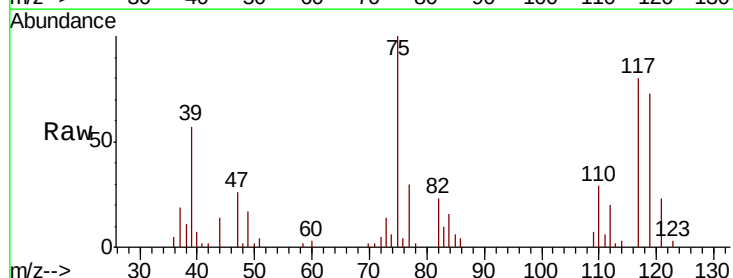
Tgt Ion: 117 Resp: 14131

Ion Ratio Lower Upper

117 100

119 91.2 76.3 114.5

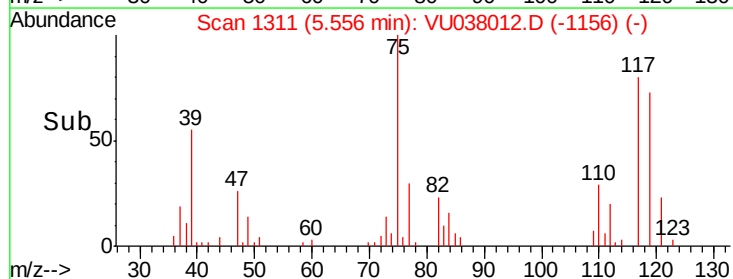
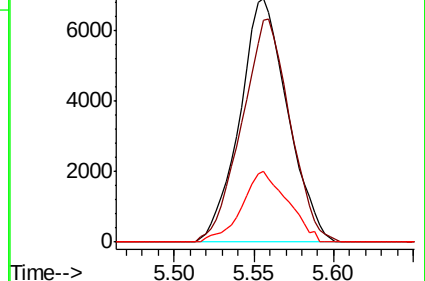
121 28.9 24.7 37.1

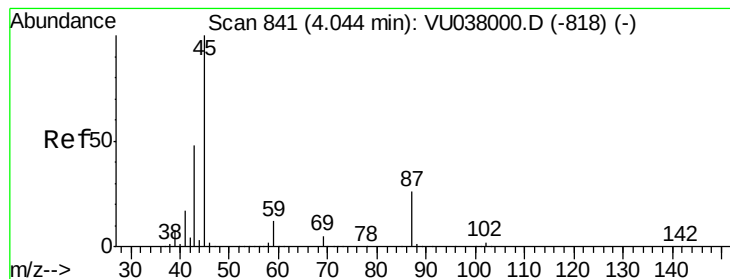


Abundance Ion 117.00 (116.70 to 117.70): VU038000.D (-1292) (-)

Ion 119.00 (118.70 to 119.70): VU038000.D (-1292) (-)

Ion 121.00 (120.70 to 121.70): VU038000.D (-1292) (-)





#31

Isopropyl Ether

Concen: 0.473 ug/l

RT: 4.04 min Scan# 839

Delta R.T. -0.01 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

Instrument :

MSVOA\_U

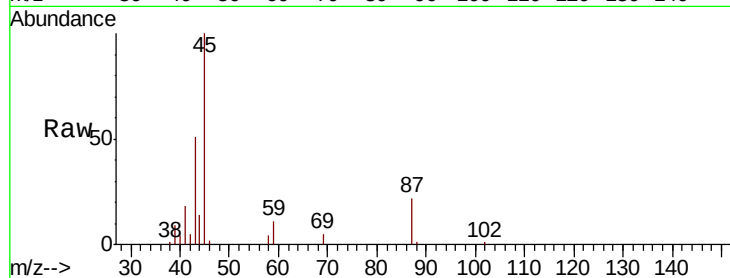
ClientSampleId :

Tot Ion: 45 Resp: 35875

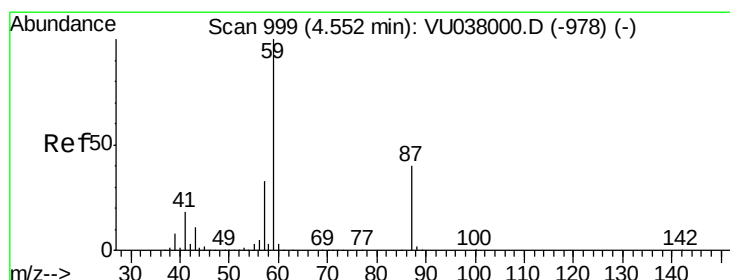
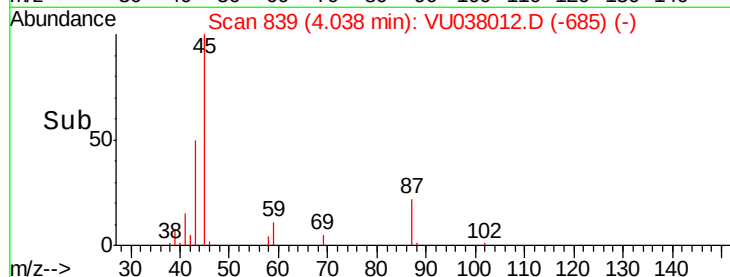
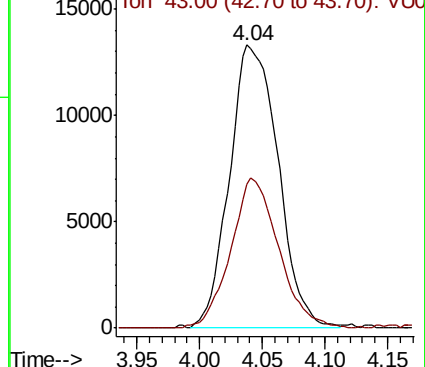
Ion Ratio Lower Upper

45 100

43 52.4 24.2 72.6



Abundance Ion 45.00 (44.70 to 45.70): VU038012.D (-839) (-)



#32

Ethyl-t-butyl ether

Concen: 0.450 ug/l

RT: 4.55 min Scan# 999

Delta R.T. 0.00 min

Lab File: VU038012.D

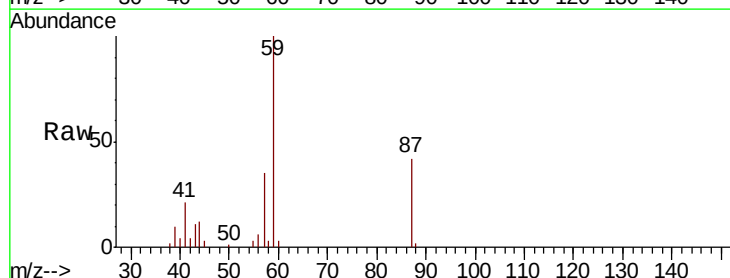
Acq: 05 May 2020 12:47

Tgt Ion: 59 Resp: 30854

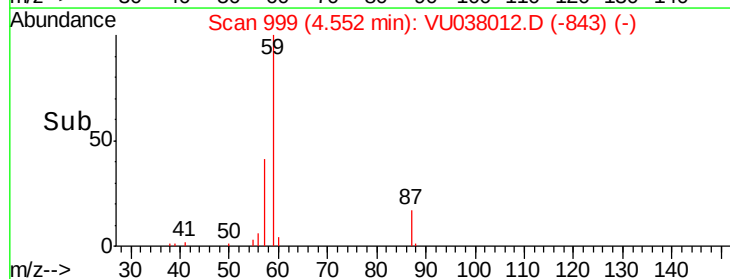
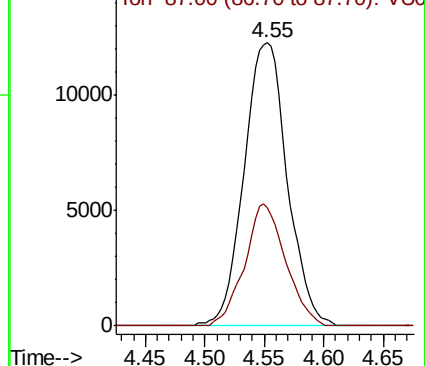
Ion Ratio Lower Upper

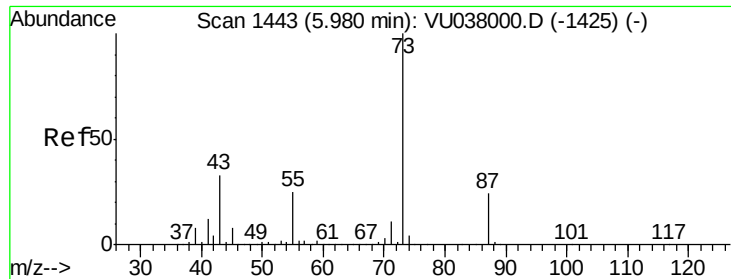
59 100

87 40.7 32.4 48.6



Abundance Ion 59.00 (58.70 to 59.70): VU038012.D (-999) (-)

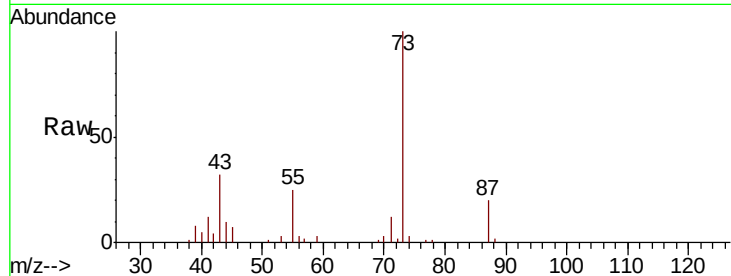




#33  
Tert-Butyl methyl ether  
Concen: 0.451 ug/l  
RT: 5.98 min Scan# 1443  
Delta R.T. 0.00 min  
Lab File: VU038012.D  
Acq: 05 May 2020 12:47

Instrument :  
MSVOA\_U  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 87      | 21.0  | 18.9  | 28.3  |
| 71      | 12.3  | 9.1   | 13.7  |

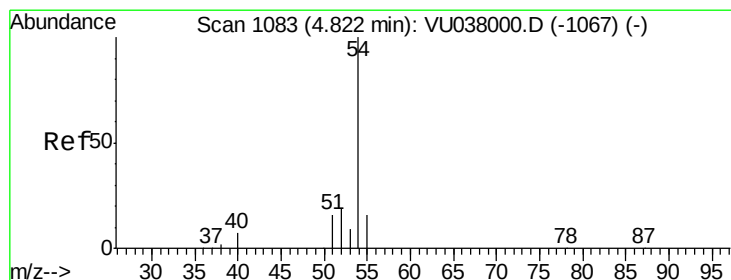
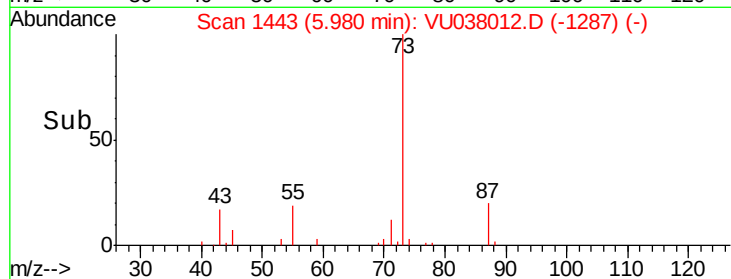
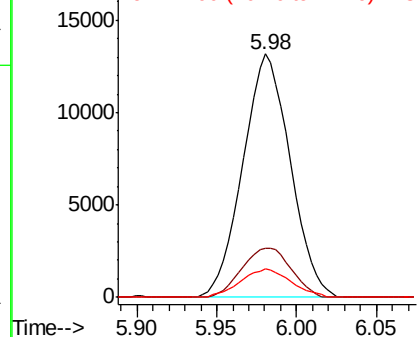


Abundance

Ion 73.00 (72.70 to 73.70): VU038012.D (-1287) (-)

Ion 87.00 (86.70 to 87.70): VU038012.D (-1287) (-)

Ion 71.00 (70.70 to 71.70): VU038012.D (-1287) (-)



#34  
Propionitrile  
Concen: 2.352 ug/l  
RT: 4.83 min Scan# 1085  
Delta R.T. 0.01 min  
Lab File: VU038012.D  
Acq: 05 May 2020 12:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 54      | 100   |       |       |
| 52      | 18.7  | 15.8  | 23.8  |
| 55      | 19.5  | 13.2  | 19.8  |
| 40      | 4.9   | 5.2   | 7.8#  |

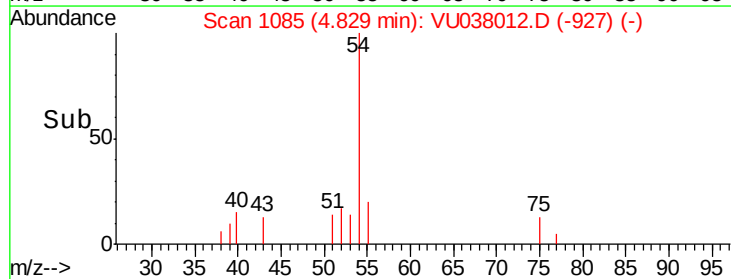
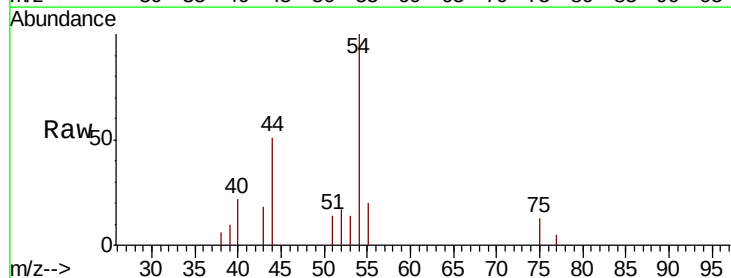
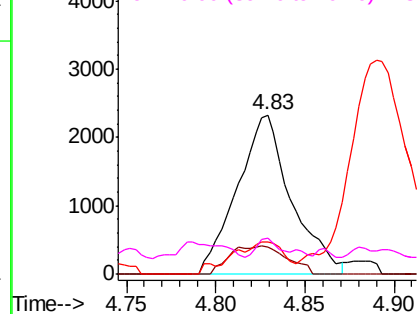
Abundance

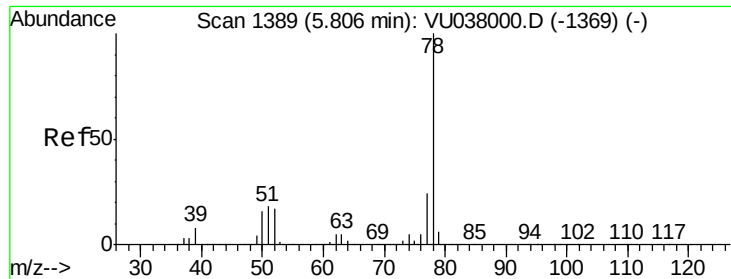
Ion 54.00 (53.70 to 54.70): VU038012.D (-927) (-)

Ion 52.00 (51.70 to 52.70): VU038012.D (-927) (-)

Ion 55.00 (54.70 to 55.70): VU038012.D (-927) (-)

Ion 40.00 (39.70 to 40.70): VU038012.D (-927) (-)





#35

Benzene

Concen: 0.489 ug/l

RT: 5.81 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

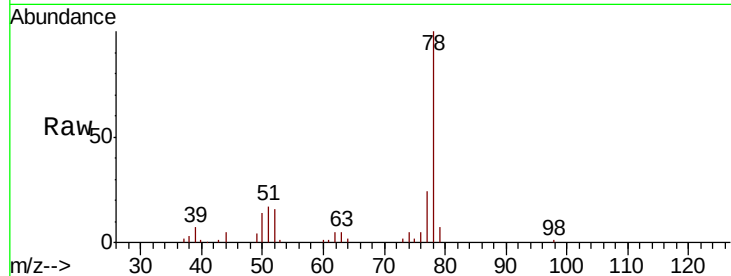
Instrument :  
MSVOA\_U  
ClientSampled :

Tot Ion: 78 Resp: 49086

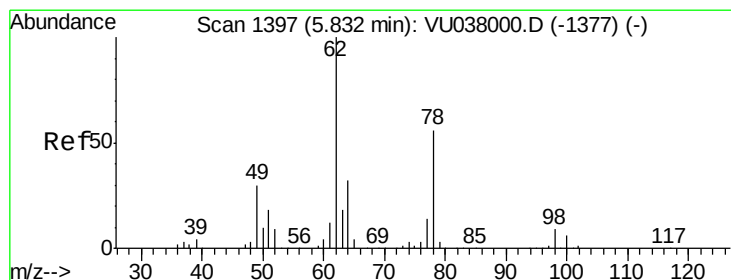
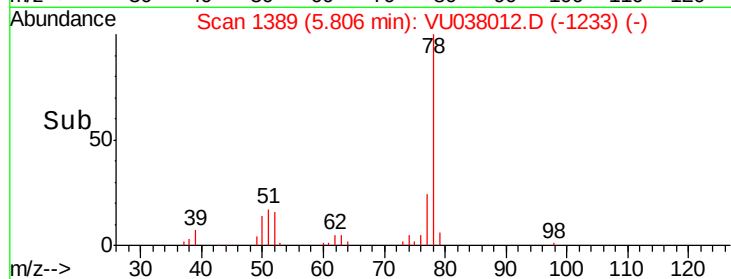
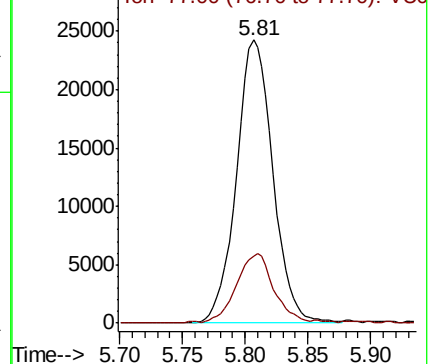
Ion Ratio Lower Upper

78 100

77 23.1 19.3 28.9



Abundance Ion 78.10 (77.80 to 78.80): VU038012.D (-1233) (-)



#36

1,2-Dichloroethane

Concen: 0.501 ug/l

RT: 5.83 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VU038012.D

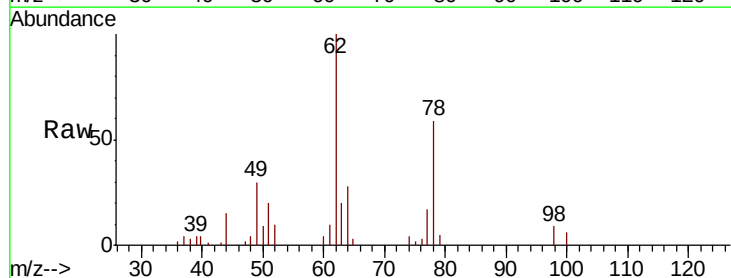
Acq: 05 May 2020 12:47

Tgt Ion: 62 Resp: 14889

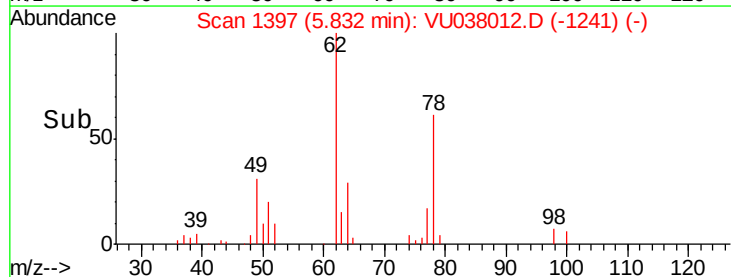
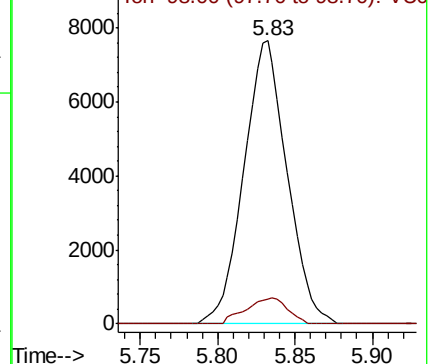
Ion Ratio Lower Upper

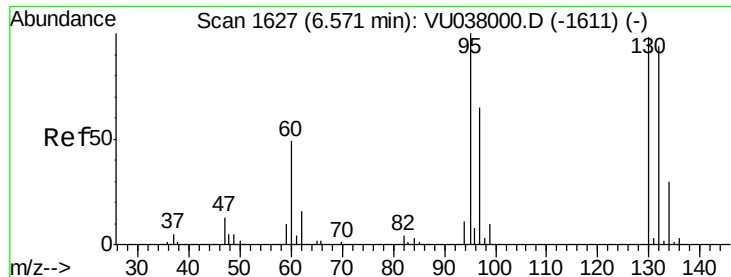
62 100

98 8.8 7.3 10.9



Abundance Ion 62.00 (61.70 to 62.70): VU038012.D (-1241) (-)

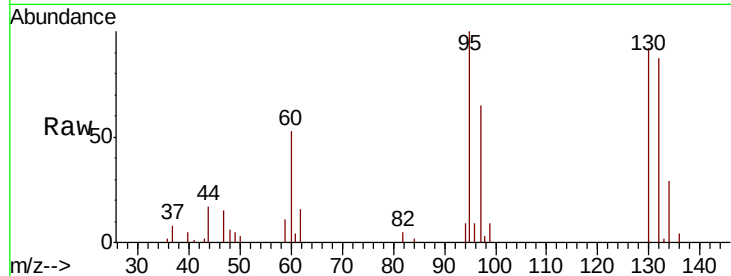




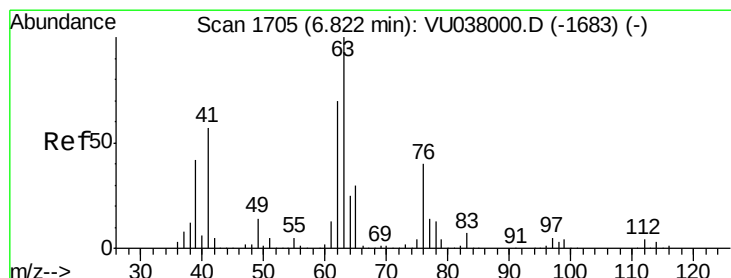
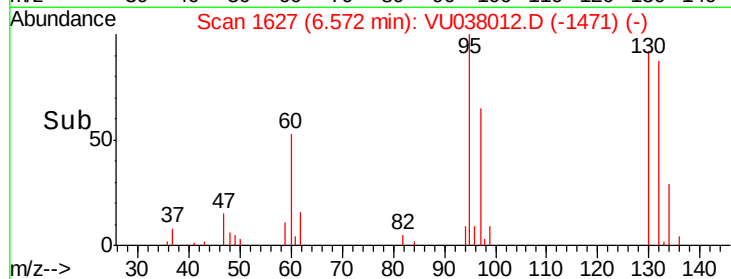
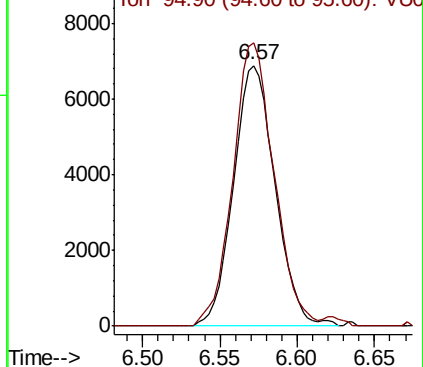
#37  
 Trichloroethene  
 Concen: 0.488 ug/l  
 RT: 6.57 min Scan# 1627  
 Delta R.T. 0.00 min  
 Lab File: VU038012.D  
 Acq: 05 May 2020 12:47

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Tot Ion:130 Resp: 12867  
 Ion Ratio Lower Upper  
 130 100  
 95 108.5 81.6 122.4

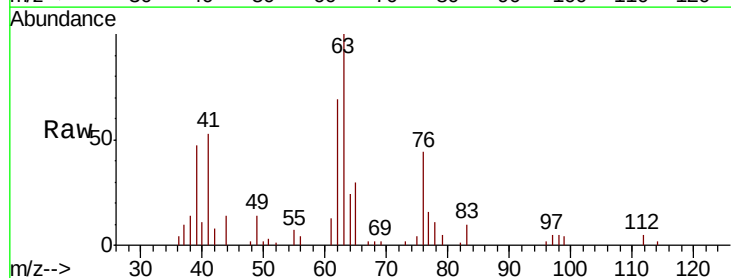


Abundance Ion 129.90 (129.60 to 130.60): VU038012.D (-1471) (-)  
 Ion 94.90 (94.60 to 95.60): VU038012.D (-1471) (-)

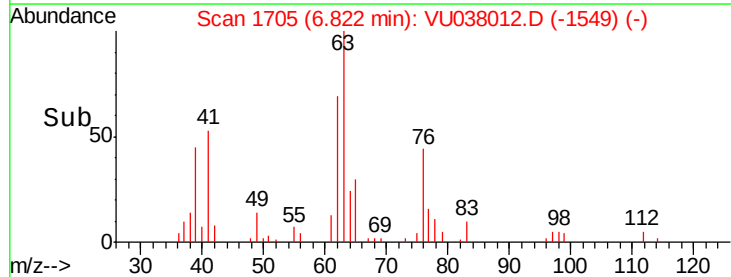
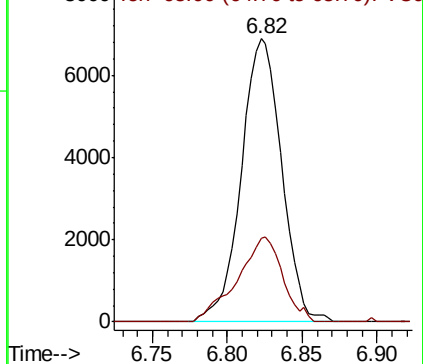


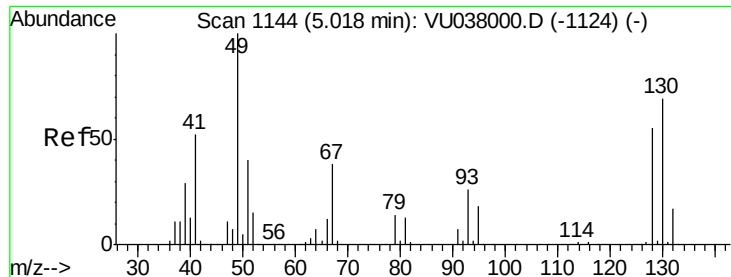
#38  
 1,2-Dichloropropane  
 Concen: 0.480 ug/l  
 RT: 6.82 min Scan# 1705  
 Delta R.T. 0.00 min  
 Lab File: VU038012.D  
 Acq: 05 May 2020 12:47

Tgt Ion: 63 Resp: 12957  
 Ion Ratio Lower Upper  
 63 100  
 65 29.7 24.1 36.1



Abundance Ion 63.00 (62.70 to 63.70): VU038012.D (-1549) (-)  
 Ion 65.00 (64.70 to 65.70): VU038012.D (-1549) (-)

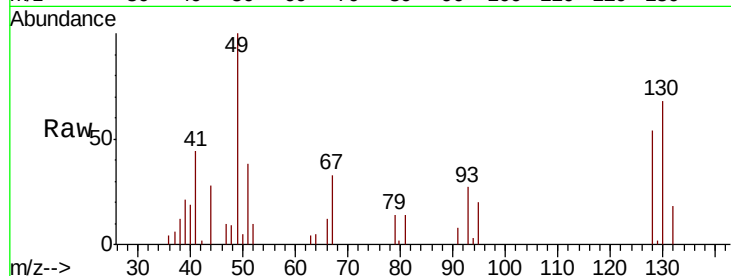




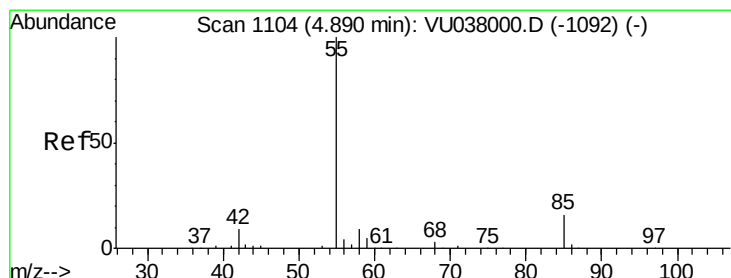
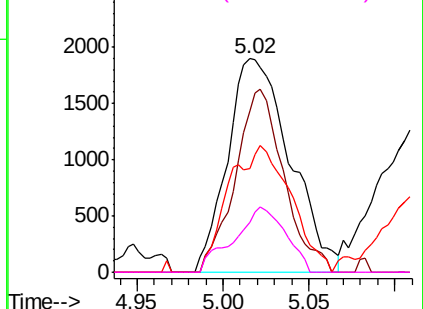
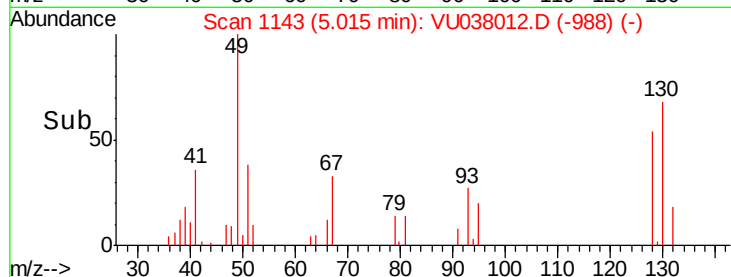
#39  
Methacrylonitrile  
Concen: 0.494 ug/l  
RT: 5.02 min Scan# 1143  
Delta R.T. -0.00 min  
Lab File: VU038012.D  
Acq: 05 May 2020 12:47

Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion: 41 Resp: 4822  
Ion Ratio Lower Upper  
41 100  
67 66.5 58.0 87.0  
39 58.7 43.2 64.8  
52 25.1 22.9 34.3

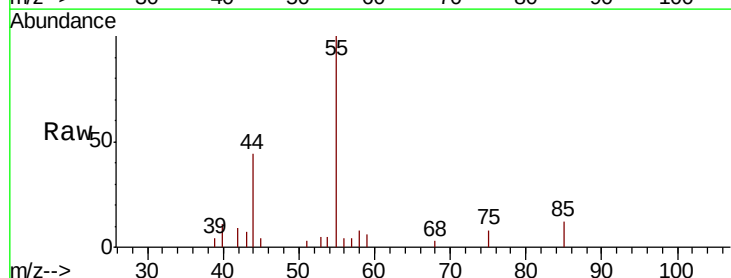


Abundance Ion 41.00 (40.70 to 41.70): VU0  
Ion 67.00 (66.70 to 67.70): VU0  
Ion 39.00 (38.70 to 39.70): VU0  
Ion 52.00 (51.70 to 52.70): VU0

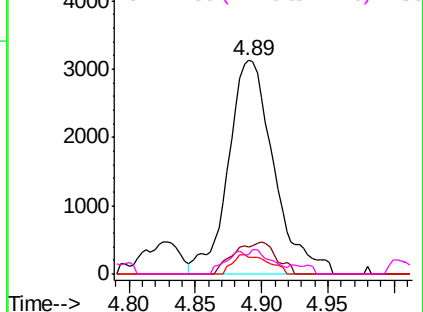
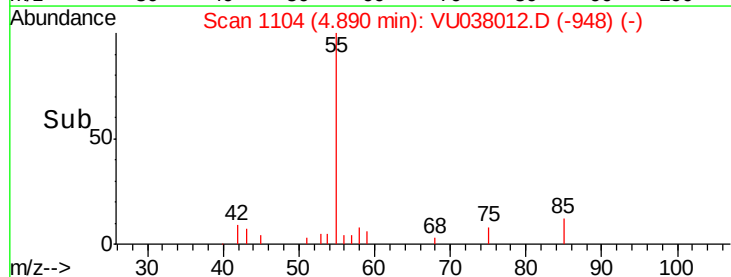


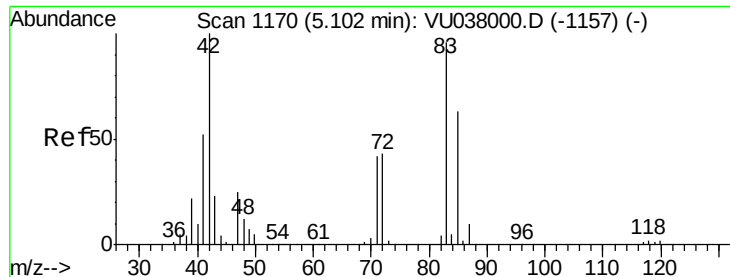
#40  
Methyl acrylate  
Concen: 0.518 ug/l  
RT: 4.89 min Scan# 1104  
Delta R.T. 0.00 min  
Lab File: VU038012.D  
Acq: 05 May 2020 12:47

Tgt Ion: 55 Resp: 7454  
Ion Ratio Lower Upper  
55 100  
85 13.9 12.9 19.3  
58 7.0 7.2 10.8#  
42 4.7 8.1 12.1#



Abundance Ion 55.00 (54.70 to 55.70): VU0  
Ion 85.00 (84.70 to 85.70): VU0  
Ion 58.00 (57.70 to 58.70): VU0  
Ion 42.00 (41.70 to 42.70): VU0





#41

Tetrahydrofuran

Concen: 1.076 ug/l

RT: 5.11 min Scan# 1172

Delta R.T. 0.01 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

Instrument :  
MSVOA\_U  
ClientSampled :

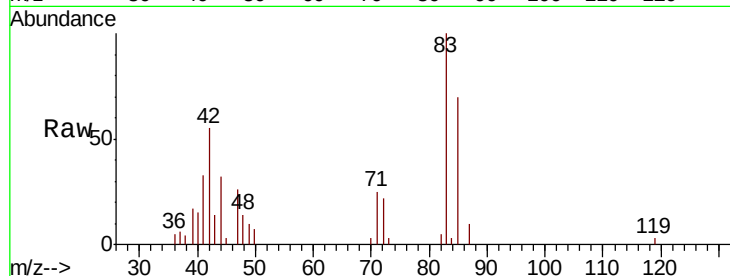
Tot Ion: 42 Resp: 5242

Ion Ratio Lower Upper

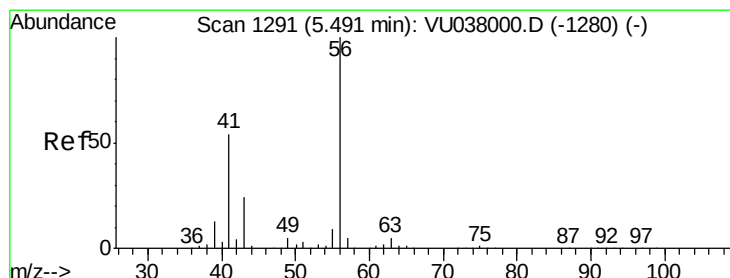
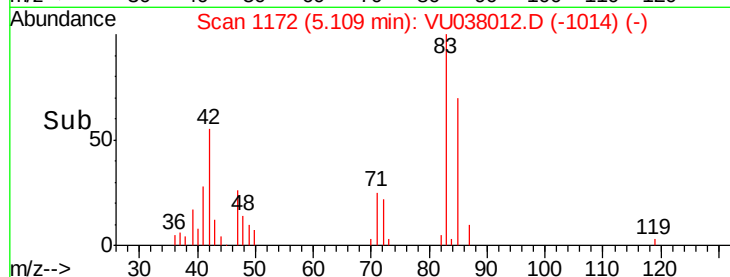
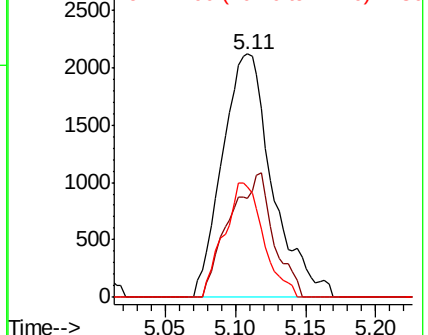
42 100

72 45.0 37.4 56.2

71 37.1 32.8 49.2



Abundance Ion 42.00 (41.70 to 42.70): VU0  
Ion 72.00 (71.70 to 72.70): VU0  
Ion 71.00 (70.70 to 71.70): VU0



#42

1-Chlorobutane

Concen: 0.472 ug/l

RT: 5.49 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VU038012.D

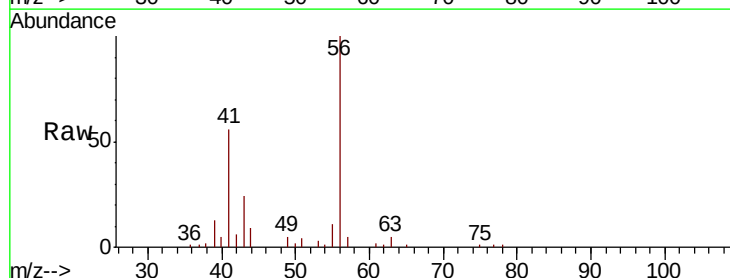
Acq: 05 May 2020 12:47

Tgt Ion: 56 Resp: 24386

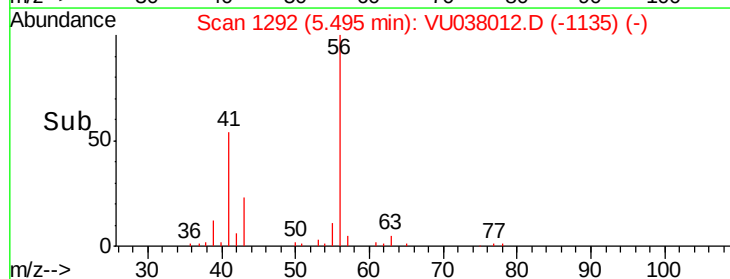
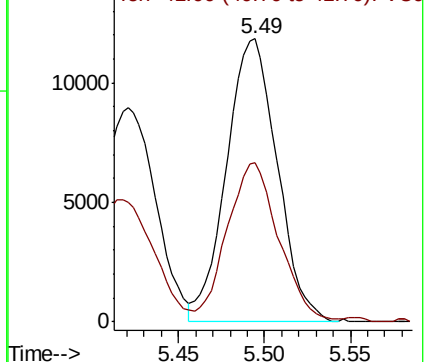
Ion Ratio Lower Upper

56 100

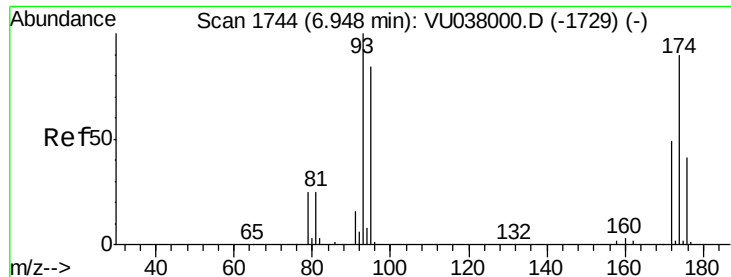
41 55.4 26.8 80.4



Abundance Ion 56.00 (55.70 to 56.70): VU0  
Ion 41.00 (40.70 to 41.70): VU0



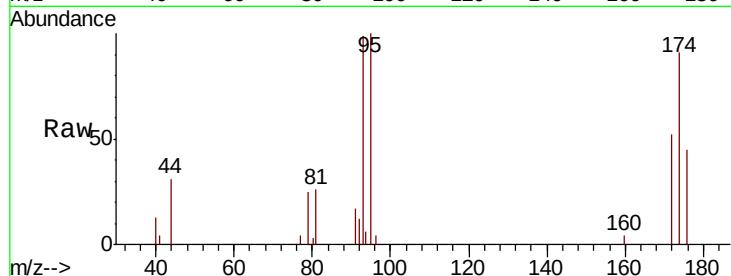




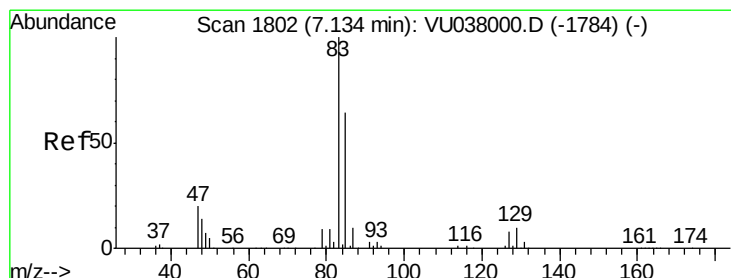
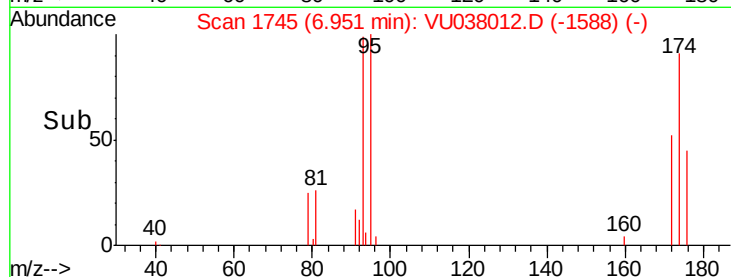
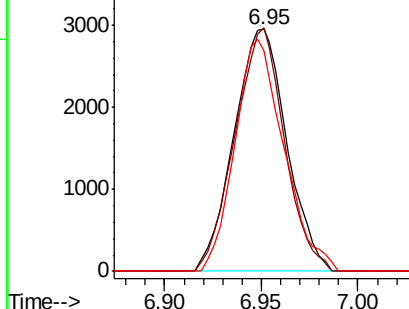
#43  
 Dibromomethane  
 Concen: 0.445 ug/l  
 RT: 6.95 min Scan# 1745  
 Delta R.T. 0.00 min  
 Lab File: VU038012.D  
 Acq: 05 May 2020 12:47

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Tot Ion: 93 Resp: 5603  
 Ion Ratio Lower Upper  
 93 100  
 95 94.3 66.1 99.1  
 174 88.9 72.8 109.2

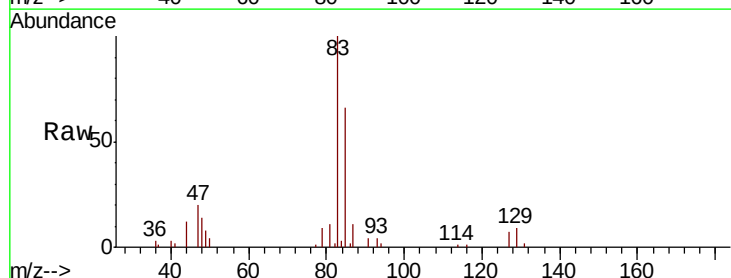


Abundance Ion 93.00 (92.70 to 93.70): VU0  
 Ion 95.00 (94.70 to 95.70): VU0  
 Ion 174.00 (173.70 to 174.70): V

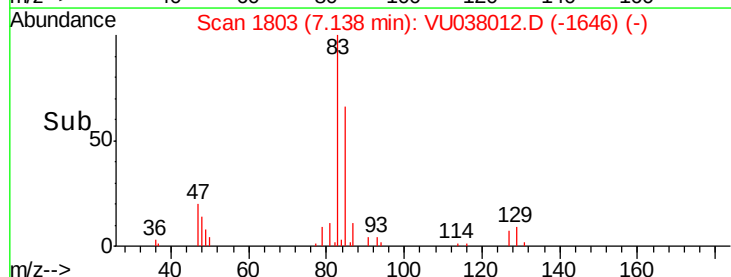
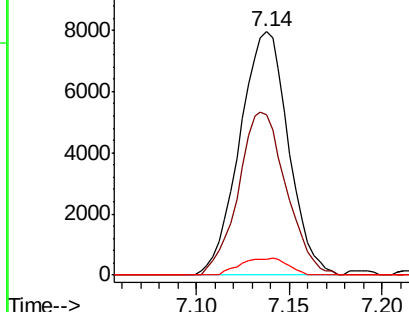


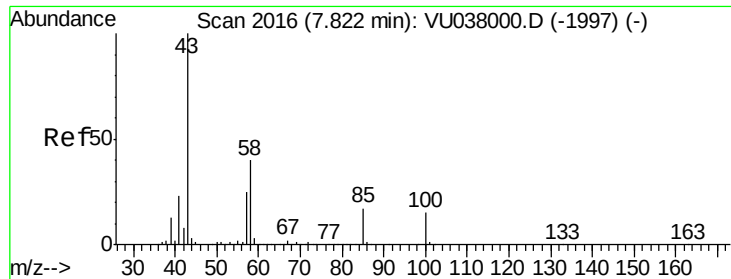
#44  
 Bromodichloromethane  
 Concen: 0.461 ug/l  
 RT: 7.14 min Scan# 1803  
 Delta R.T. 0.00 min  
 Lab File: VU038012.D  
 Acq: 05 May 2020 12:47

Tgt Ion: 83 Resp: 14559  
 Ion Ratio Lower Upper  
 83 100  
 85 65.7 51.4 77.0  
 127 6.7 6.2 9.2



Abundance Ion 83.00 (82.70 to 83.70): VU0  
 Ion 85.00 (84.70 to 85.70): VU0  
 Ion 127.00 (126.70 to 127.70): V

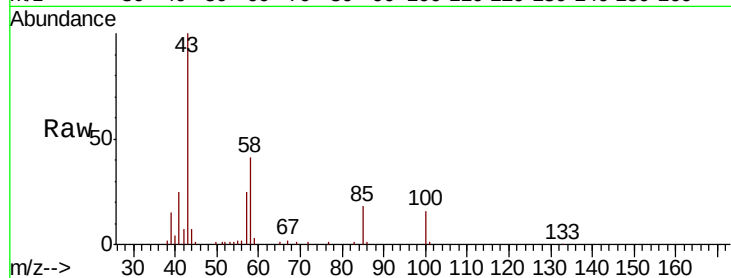




#45  
4-Methyl-2-Pentanone  
Concen: 2.296 ug/l  
RT: 7.82 min Scan# 2016  
Delta R.T. 0.00 min  
Lab File: VU038012.D  
Acq: 05 May 2020 12:47

Instrument :  
MSVOA\_U  
ClientSampled :

| Tot Ion   | 43    | Resp  | 39373 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 58        | 39.5  | 20.1  | 60.3  |
| 85        | 17.1  | 13.7  | 20.5  |

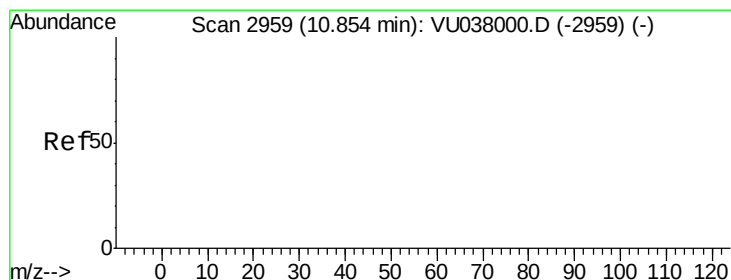
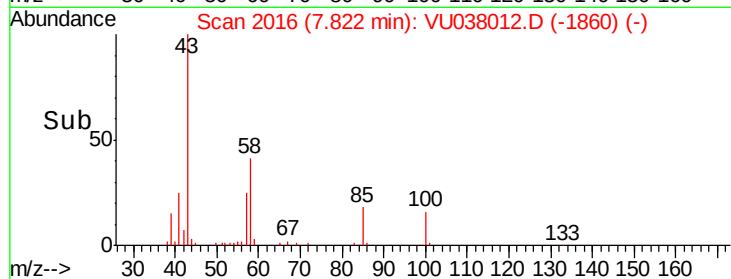
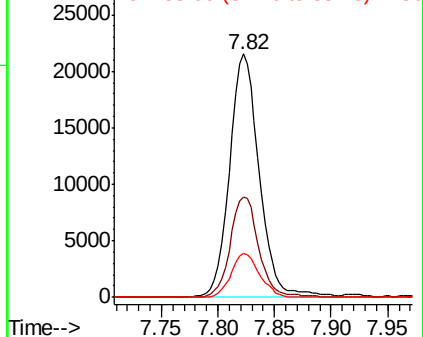


Abundance

Ion 43.00 (42.70 to 43.70): VU0

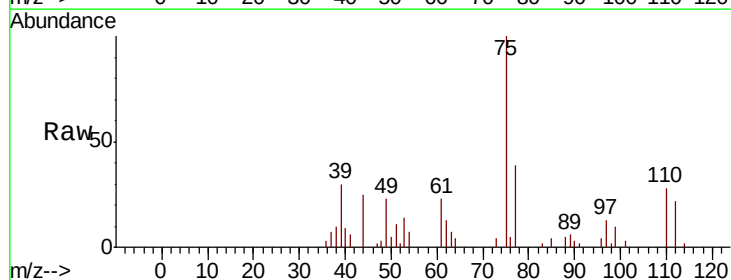
Ion 58.00 (57.70 to 58.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46  
t-1,4-Dichloro-2-butene  
Concen: 2.455 ug/l  
RT: 10.84 min Scan# 2956  
Delta R.T. -0.01 min  
Lab File: VU038012.D  
Acq: 05 May 2020 12:47

| Tgt Ion   | 75    | Resp  | 13015  |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 53        | 32.6  | 81.1  | 121.7# |
| 89        | 17.0  | 53.2  | 79.8#  |
| 88        | 13.7  | 38.2  | 57.2#  |



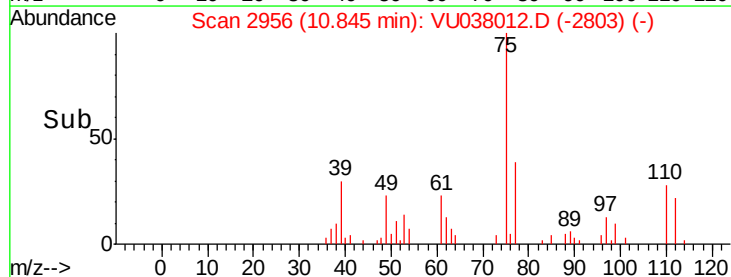
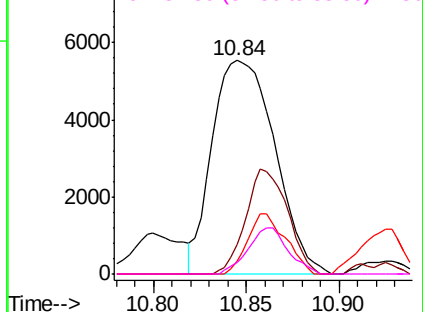
Abundance

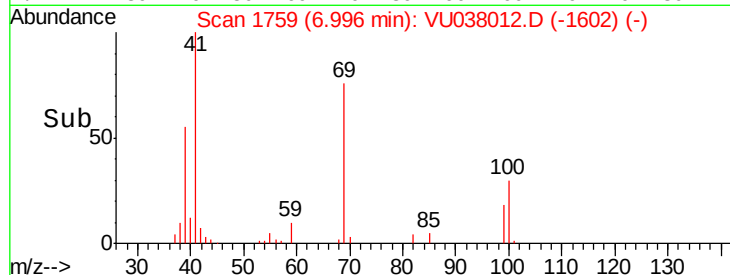
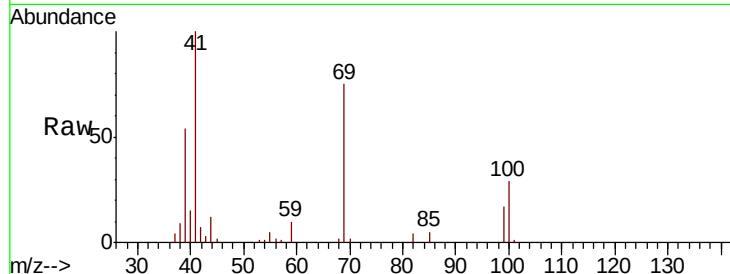
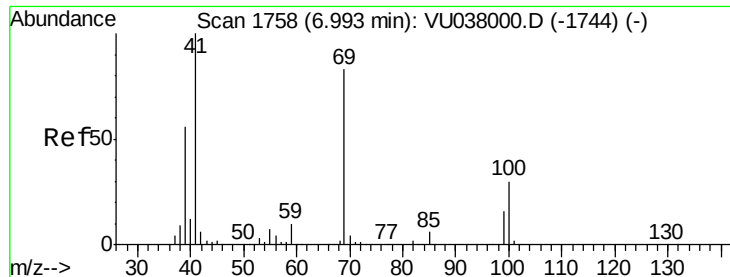
Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.80 (88.50 to 89.50): VU0

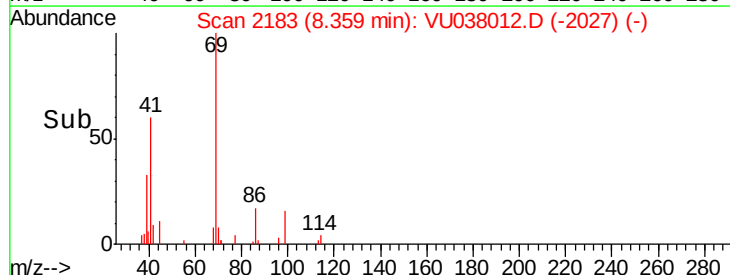
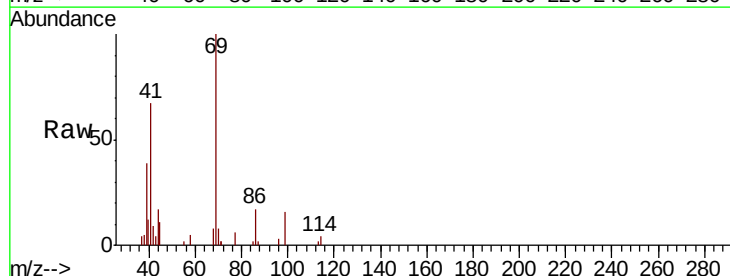
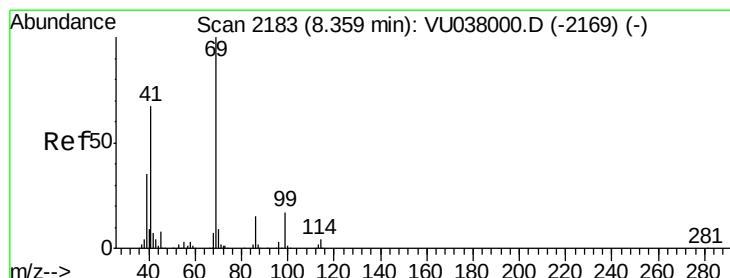
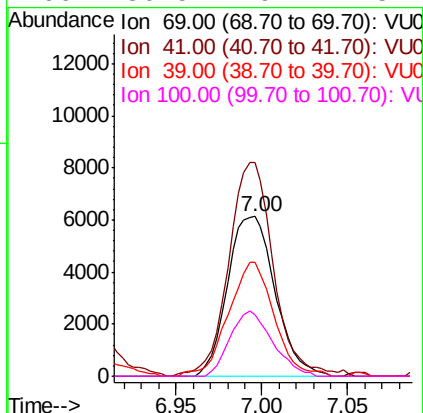
Ion 87.80 (87.50 to 88.50): VU0





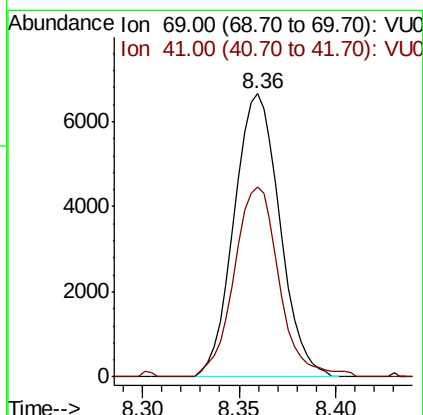
#47  
Methyl methacrylate  
Concen: 0.923 ug/l  
RT: 7.00 min Scan# 1759  
Delta R.T. 0.00 min  
Lab File: VU038012.D  
Acq: 05 May 2020 12:47

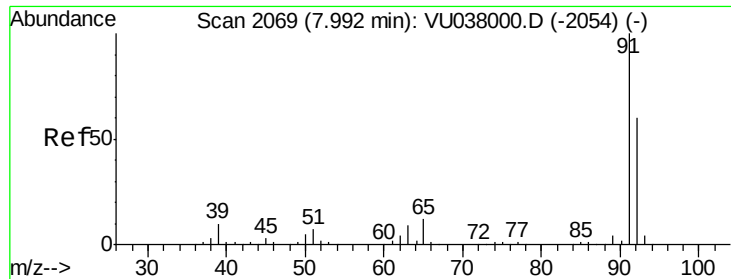
Tot Ion: 69 Resp: 11813  
Ion Ratio Lower Upper  
69 100  
41 127.1 0.0 241.6  
39 68.7 52.9 79.3  
100 36.5 29.1 43.7



#48  
Ethyl methacrylate  
Concen: 0.461 ug/l  
RT: 8.36 min Scan# 2183  
Delta R.T. 0.00 min  
Lab File: VU038012.D  
Acq: 05 May 2020 12:47

Tgt Ion: 69 Resp: 10930  
Ion Ratio Lower Upper  
69 100  
41 66.3 33.6 100.8





#49

Toluene

Concen: 0.477 ug/l

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

Instrument :

MSVOA\_U

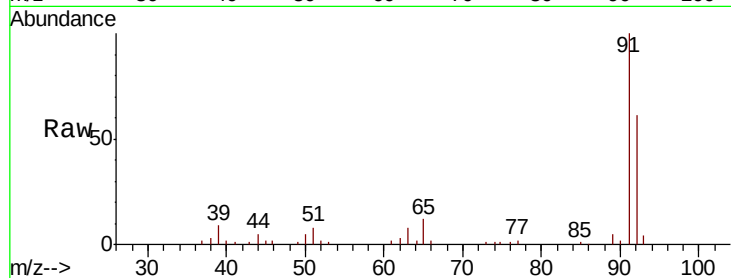
ClientSampled :

Tot Ion: 92 Resp: 30253

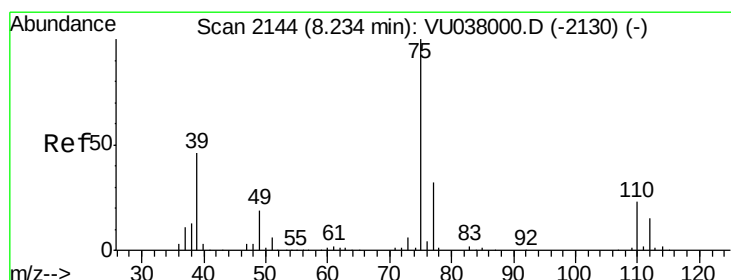
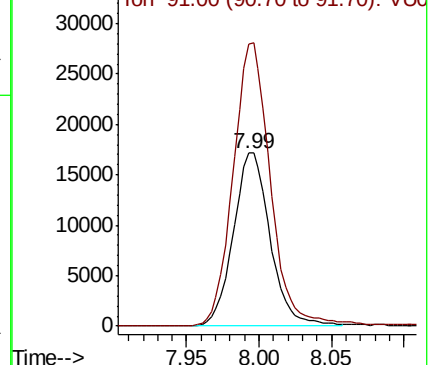
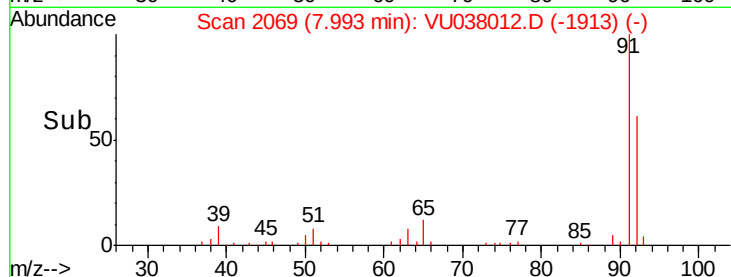
Ion Ratio Lower Upper

92 100

91 165.9 134.4 201.6



Abundance Ion 92.00 (91.70 to 92.70): VU038012.D (-1913) (-)



#50

t-1,3-Dichloropropene

Concen: 0.412 ug/l

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038012.D

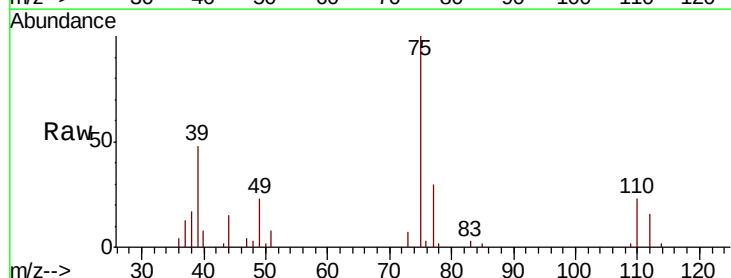
Acq: 05 May 2020 12:47

Tgt Ion: 75 Resp: 13301

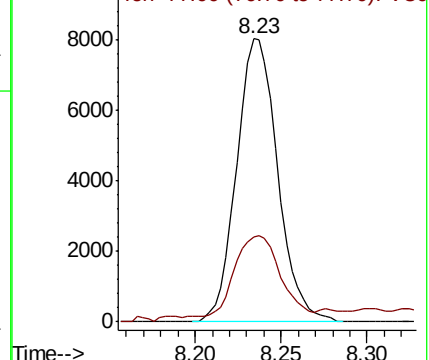
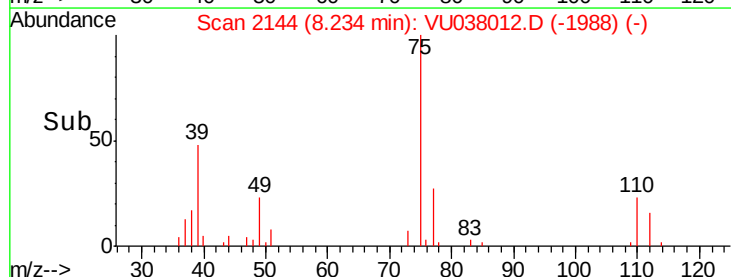
Ion Ratio Lower Upper

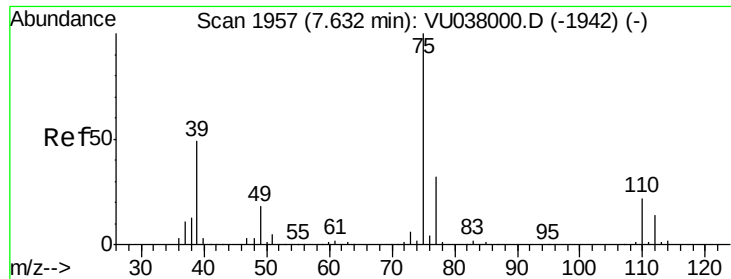
75 100

77 28.1 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU038012.D (-1988) (-)



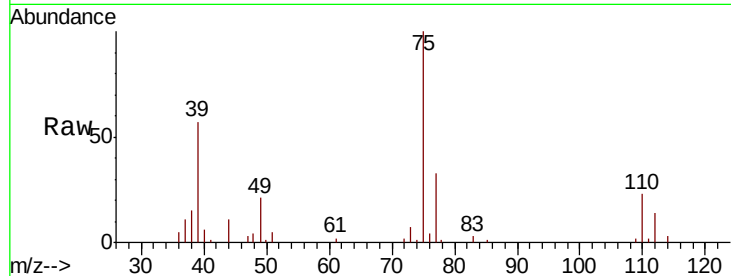


#51

cis-1,3-Dichloropropene  
Concen: 0.424 ug/l  
RT: 7.63 min Scan# 1957  
Delta R.T. 0.00 min  
Lab File: VU038012.D  
Acq: 05 May 2020 12:47

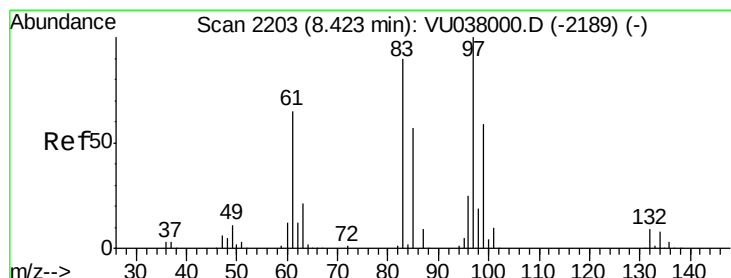
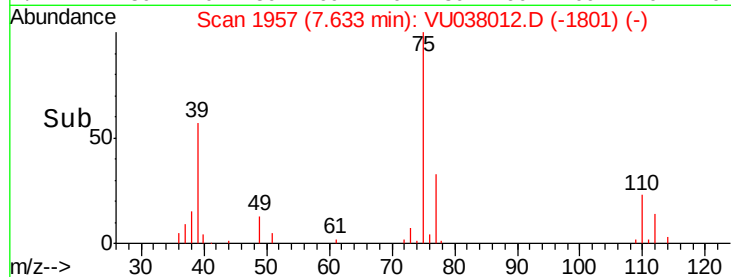
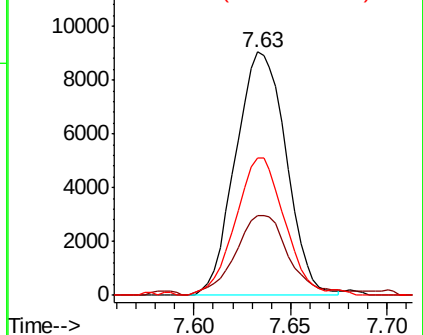
Instrument :  
MSVOA\_U  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 32.9  | 25.5  | 38.3  |
| 39      | 56.6  | 39.0  | 58.4  |



Abundance

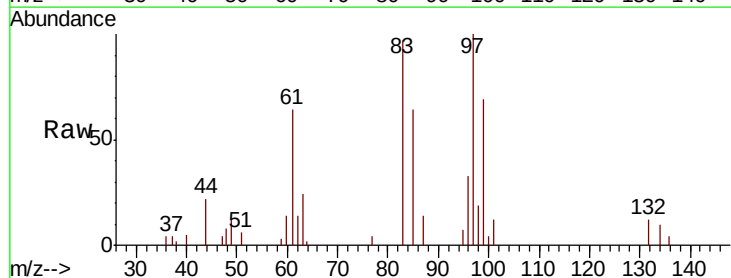
Ion 75.00 (74.70 to 75.70): VU038012.D (-1942) (-)



#52

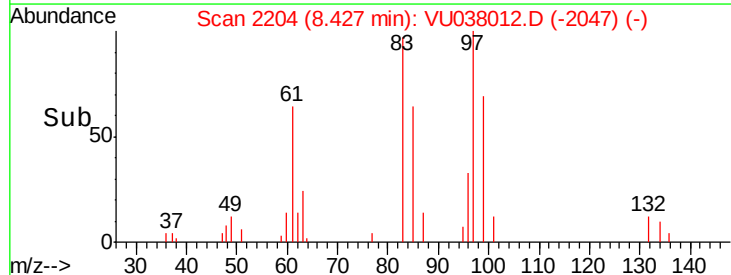
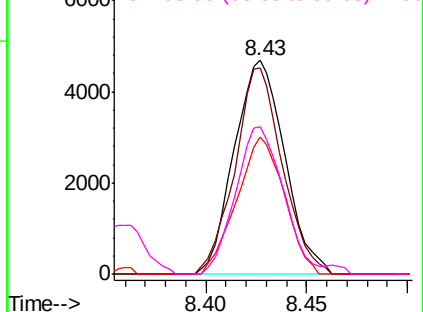
1,1,2-Trichloroethane  
Concen: 0.461 ug/l  
RT: 8.43 min Scan# 2204  
Delta R.T. 0.00 min  
Lab File: VU038012.D  
Acq: 05 May 2020 12:47

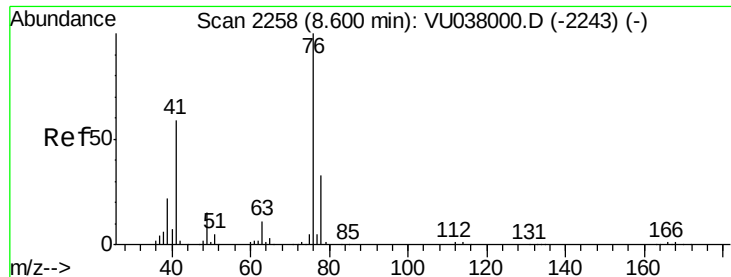
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 96.7  | 72.4  | 108.6 |
| 85      | 64.1  | 46.0  | 69.0  |
| 99      | 68.8  | 50.4  | 75.6  |



Abundance

Ion 97.00 (96.70 to 97.70): VU038012.D (-2047) (-)





#53

1,3-Dichloropropane

Concen: 0.506 ug/l

RT: 8.60 min Scan# 2258

Delta R.T. 0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

Instrument :

MSVOA\_U

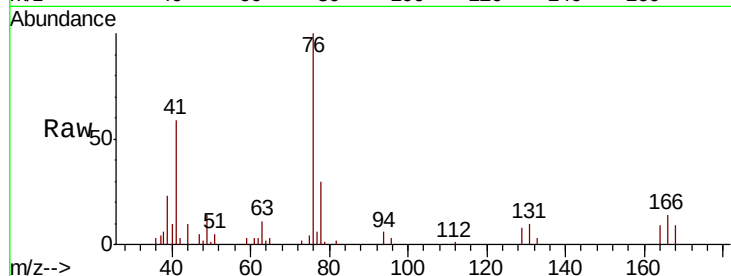
ClientSampled :

Tot Ion: 76 Resp: 16909

Ion Ratio Lower Upper

76 100

78 31.6 25.8 38.6



Abundance Ion 76.00 (75.70 to 76.70): VU038012.D (-2102) (-)

Ion 78.00 (77.70 to 78.70): VU038012.D (-2102) (-)

8.60

10000

8000

6000

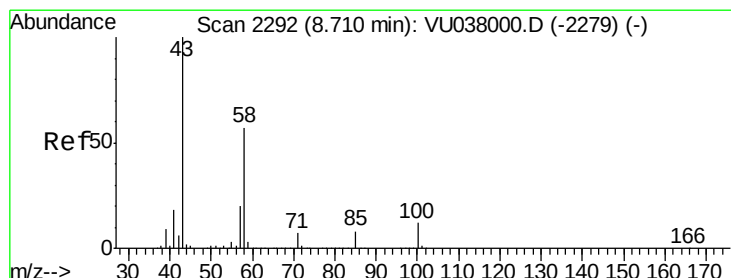
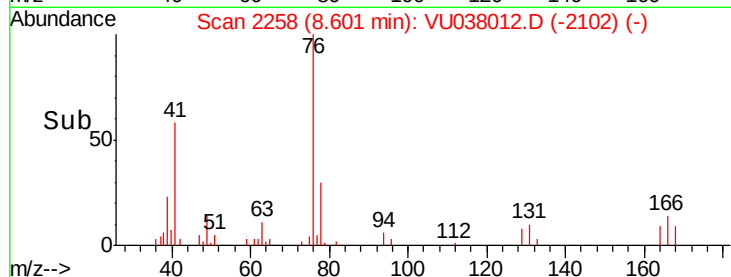
4000

2000

0

8.55 8.60 8.65

Time-->



#54

2-Hexanone

Concen: 2.274 ug/l

RT: 8.71 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

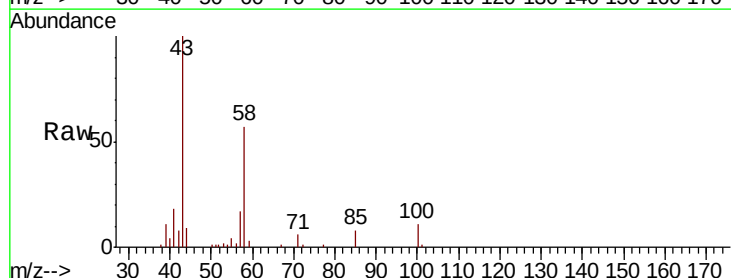
Tgt Ion: 43 Resp: 27524

Ion Ratio Lower Upper

43 100

58 54.4 36.5 76.5

57 17.5 0.0 39.5



Abundance Ion 43.00 (42.70 to 43.70): VU038012.D (-2136) (-)

Ion 58.00 (57.70 to 58.70): VU038012.D (-2136) (-)

Ion 57.00 (56.70 to 57.70): VU038012.D (-2136) (-)

8.71

20000

15000

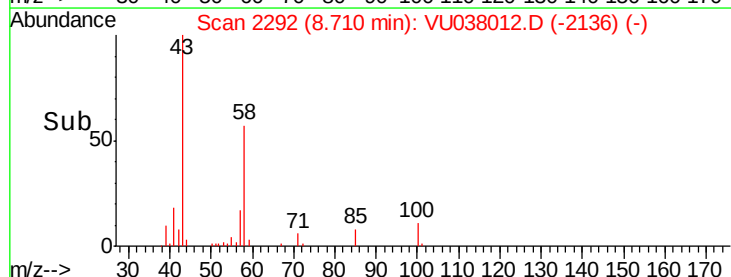
10000

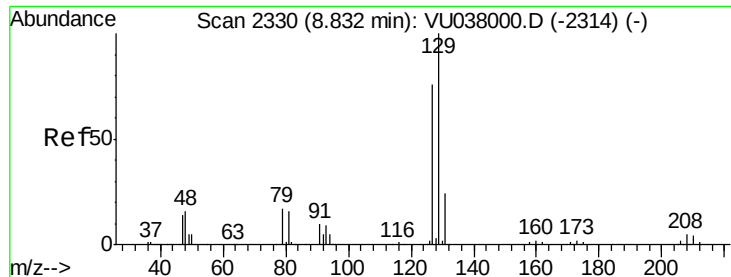
5000

0

8.65 8.70 8.75 8.80

Time-->

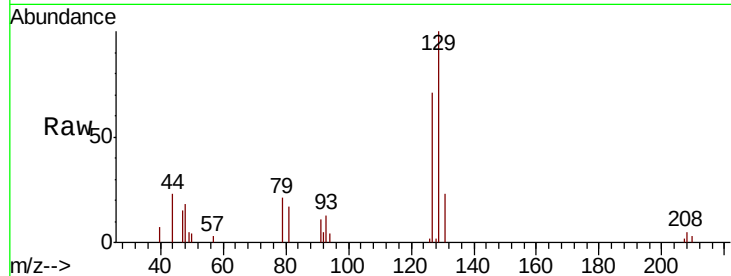




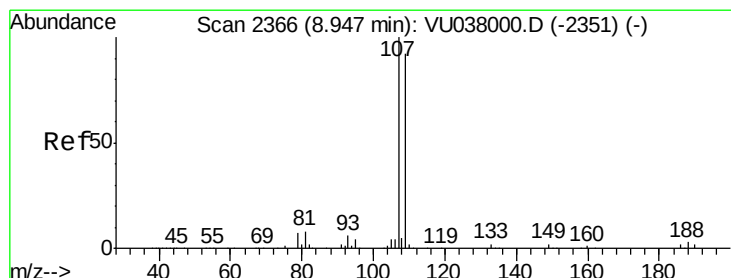
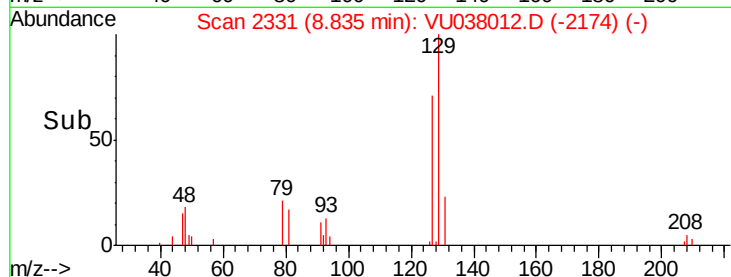
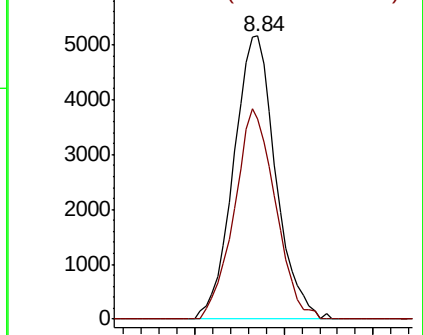
#55  
 Dibromochloromethane  
 Concen: 0.430 ug/l  
 RT: 8.84 min Scan# 2331  
 Delta R.T. 0.00 min  
 Lab File: VU038012.D  
 Acq: 05 May 2020 12:47

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Tot Ion:129 Resp: 8485  
 Ion Ratio Lower Upper  
 129 100  
 127 72.6 62.2 93.2

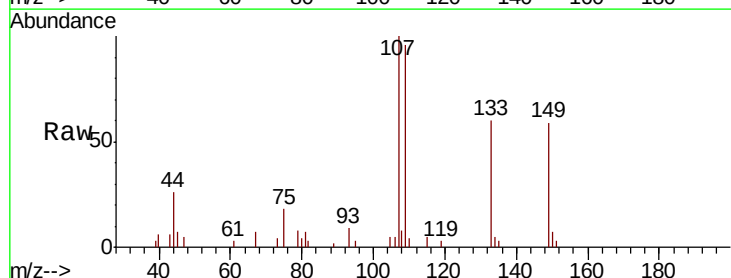


Abundance Ion 129.00 (128.70 to 129.70): V  
 Ion 127.00 (126.70 to 127.70): V

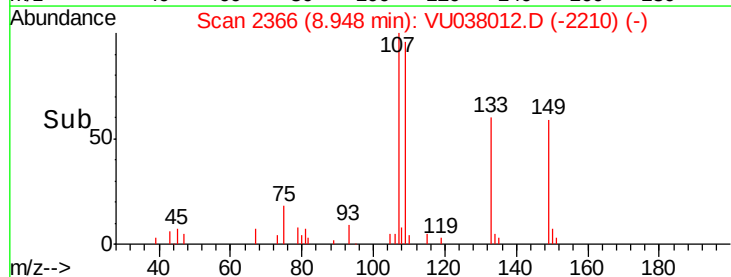
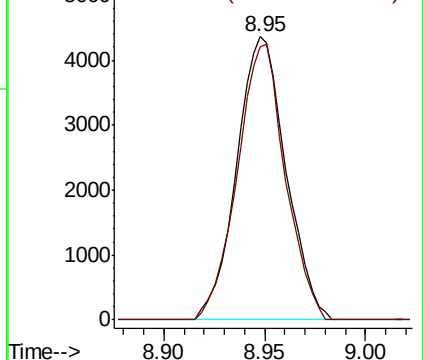


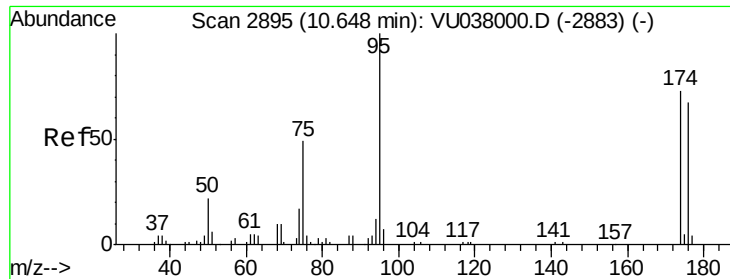
#56  
 1,2-Dibromoethane  
 Concen: 0.443 ug/l  
 RT: 8.95 min Scan# 2366  
 Delta R.T. 0.00 min  
 Lab File: VU038012.D  
 Acq: 05 May 2020 12:47

Tgt Ion:107 Resp: 7446  
 Ion Ratio Lower Upper  
 107 100  
 109 94.7 0.0 184.6



Abundance Ion 107.00 (106.70 to 107.70): V  
 Ion 109.00 (108.70 to 109.70): V

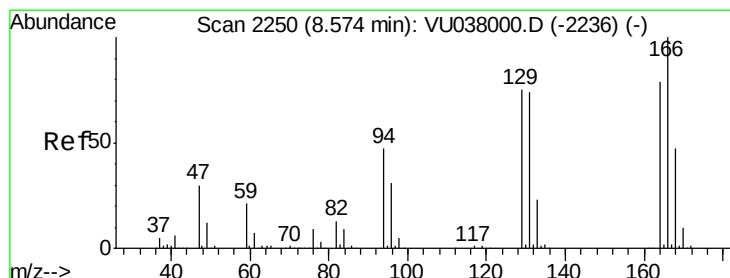
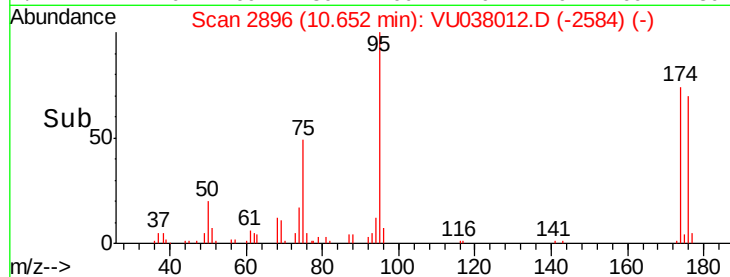
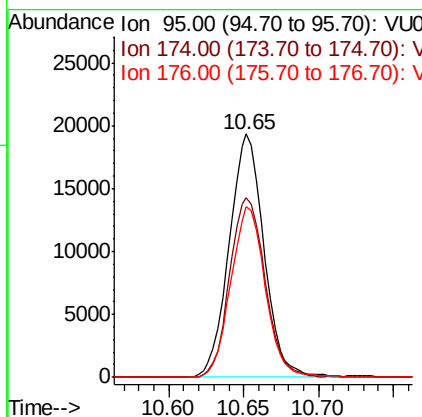
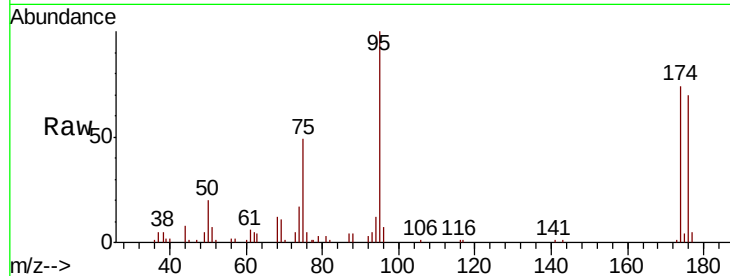




#57  
4-Bromofluorobenzene  
Concen: 0.949 ug/l  
RT: 10.65 min Scan# 2896  
Delta R.T. 0.00 min  
Lab File: VU038012.D  
Acq: 05 May 2020 12:47

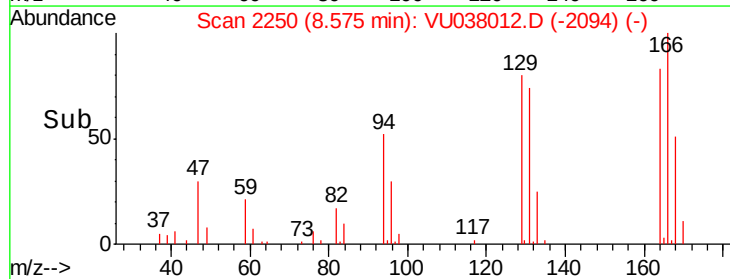
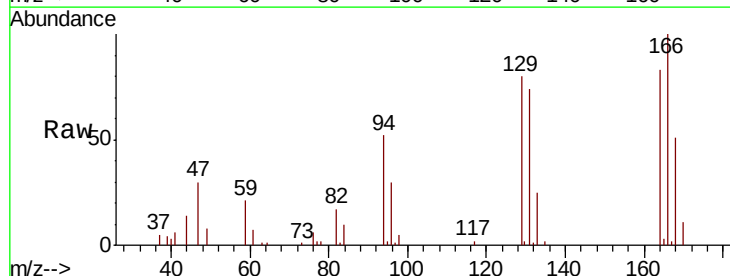
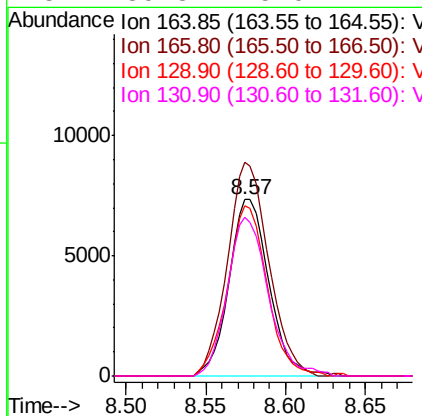
Instrument :  
MSVOA\_U  
ClientSampled :

| Tot Ion   | 95    | Resp  | 31303 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 95        | 100   |       |       |
| 174       | 75.1  | 61.2  | 91.8  |
| 176       | 69.8  | 57.1  | 85.7  |

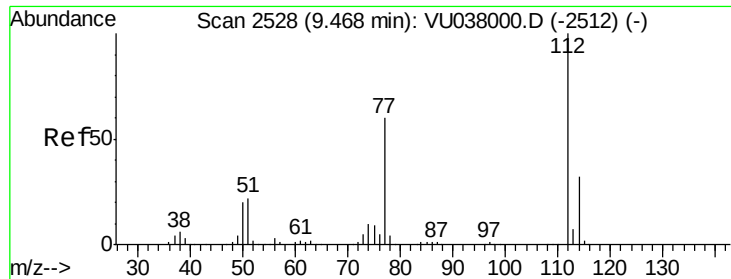


#58  
Tetrachloroethene  
Concen: 0.507 ug/l  
RT: 8.57 min Scan# 2250  
Delta R.T. 0.00 min  
Lab File: VU038012.D  
Acq: 05 May 2020 12:47

| Tgt Ion   | 164   | Resp  | 12468 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 166       | 121.0 | 101.5 | 152.3 |
| 129       | 96.3  | 76.6  | 114.8 |
| 131       | 89.8  | 75.0  | 112.4 |







#59

Chlorobenzene

Concen: 0.491 ug/l

RT: 9.47 min Scan# 2528

Delta R.T. 0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

Instrument :

MSVOA\_U

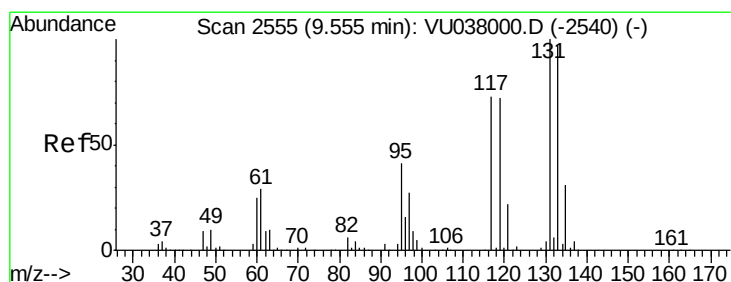
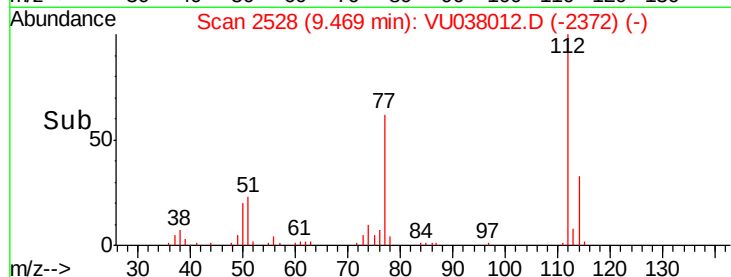
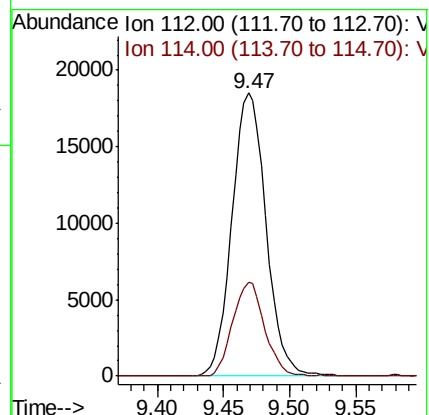
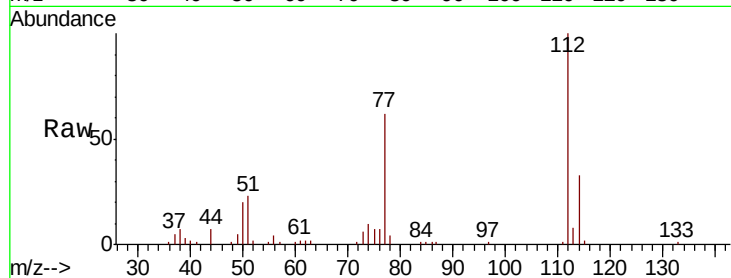
ClientSampleId :

Tot Ion:112 Resp: 33059

Ion Ratio Lower Upper

112 100

114 33.0 25.7 38.5



#60

1,1,1,2-Tetrachloroethane

Concen: 0.431 ug/l

RT: 9.56 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

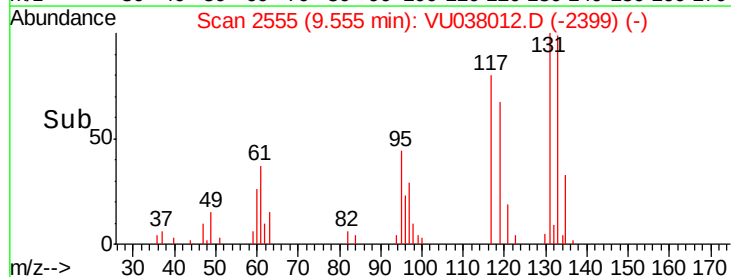
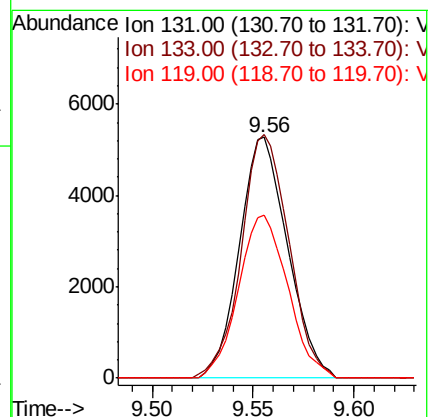
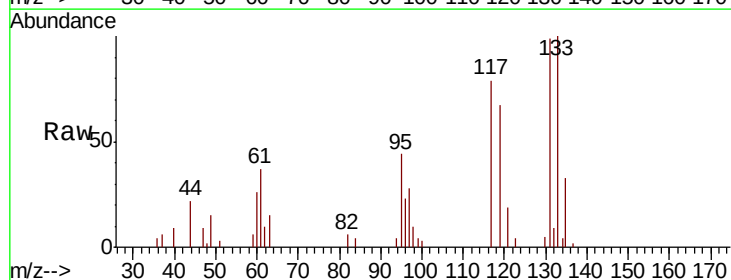
Tgt Ion:131 Resp: 8817

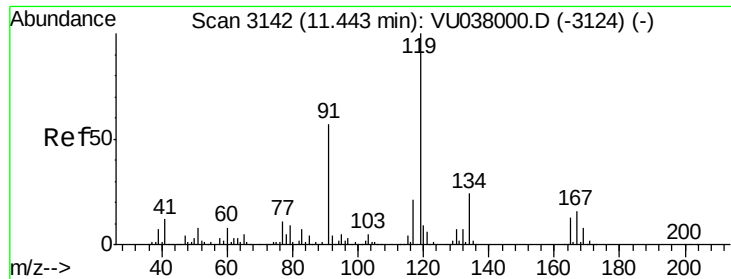
Ion Ratio Lower Upper

131 100

133 99.5 76.8 115.2

119 69.1 56.7 85.1

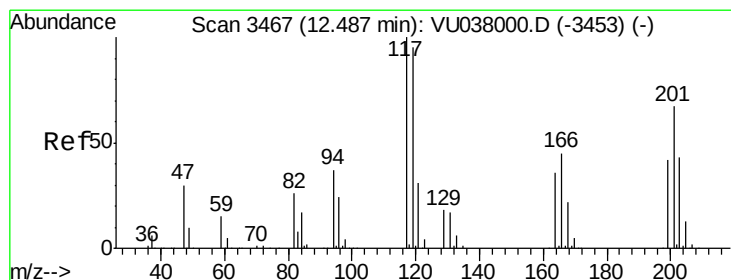
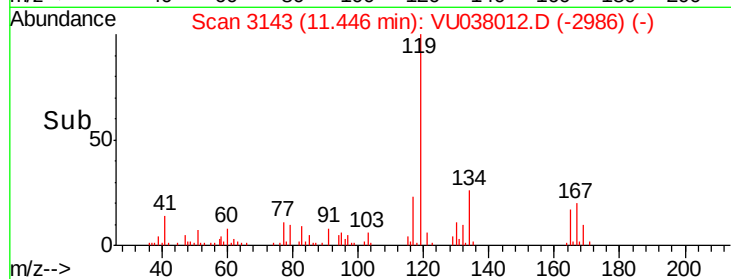
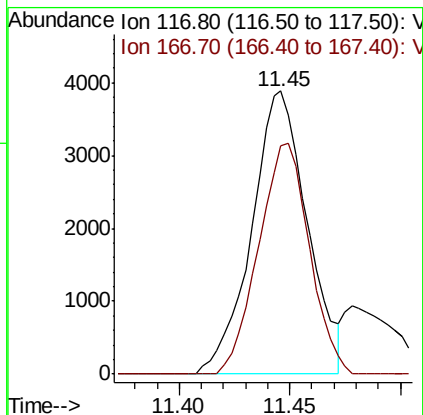
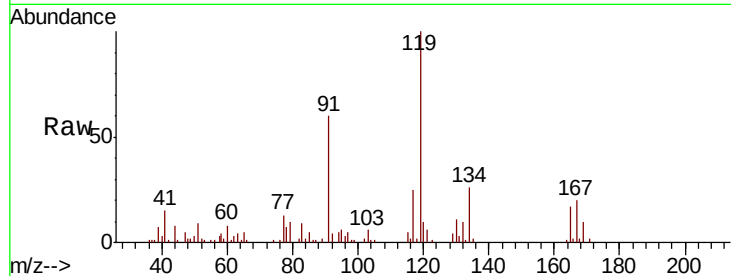




#61  
 Pentachloroethane  
 Concen: 0.442 ug/l  
 RT: 11.45 min Scan# 3143  
 Delta R.T. 0.00 min  
 Lab File: VU038012.D  
 Acq: 05 May 2020 12:47

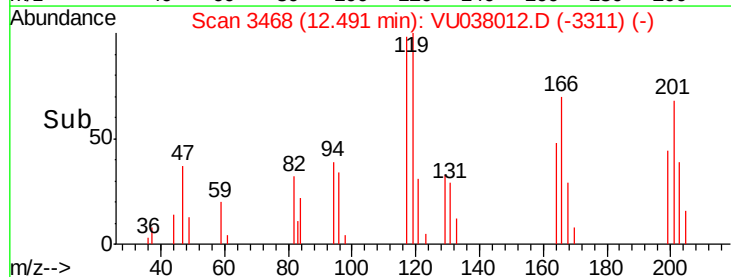
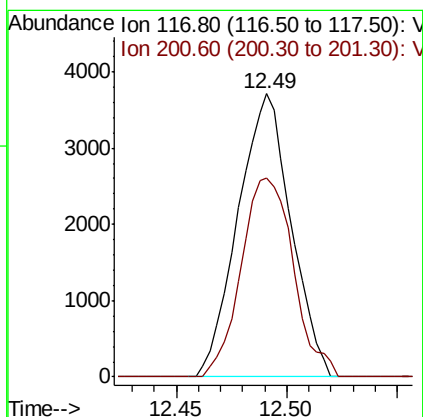
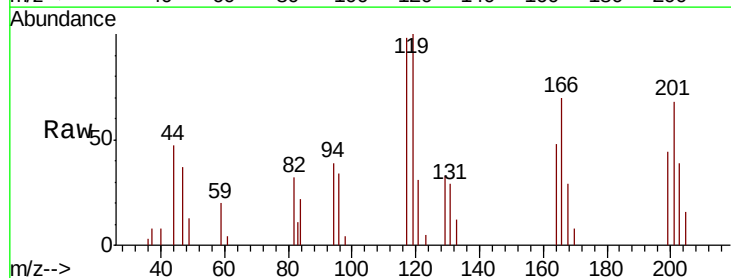
Instrument :  
 MSVOA\_U  
 ClientSampleId :

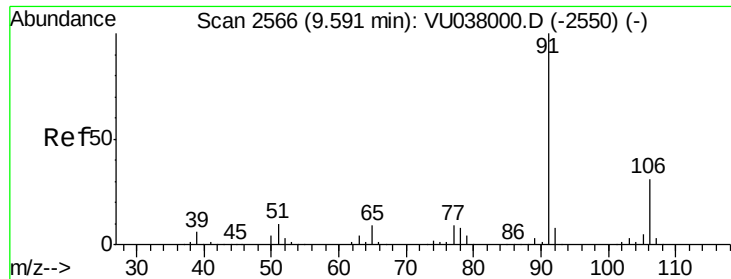
Tot Ion:117 Resp: 6773  
 Ion Ratio Lower Upper  
 117 100  
 167 74.5 60.3 90.5



#62  
 Hexachloroethane  
 Concen: 0.388 ug/l  
 RT: 12.49 min Scan# 3468  
 Delta R.T. 0.00 min  
 Lab File: VU038012.D  
 Acq: 05 May 2020 12:47

Tgt Ion:117 Resp: 6194  
 Ion Ratio Lower Upper  
 117 100  
 201 69.4 54.7 82.1

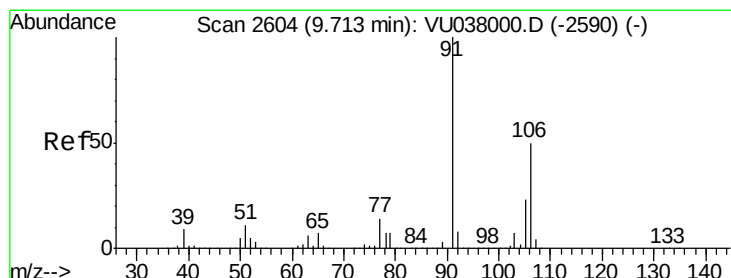
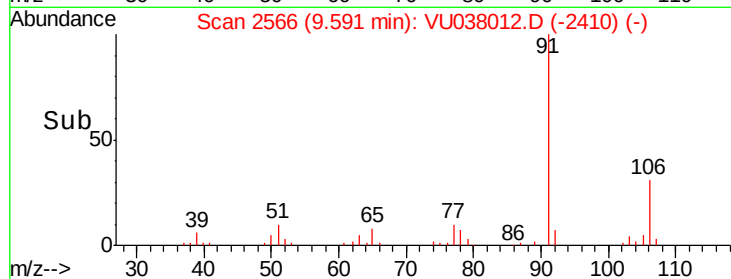
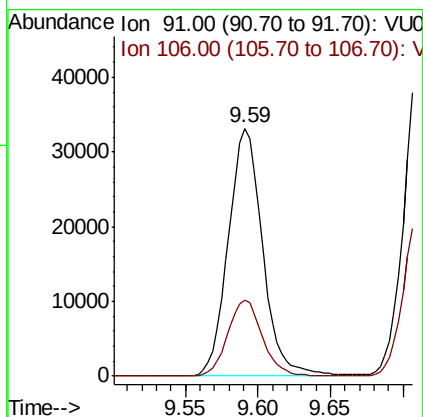
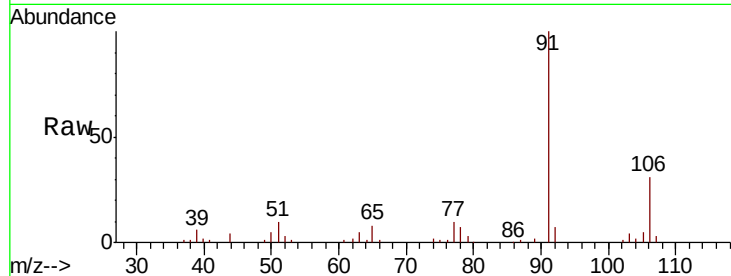




#63  
Ethyl Benzene  
Concen: 0.455 ug/l  
RT: 9.59 min Scan# 2566  
Delta R.T. 0.00 min  
Lab File: VU038012.D  
Acq: 05 May 2020 12:47

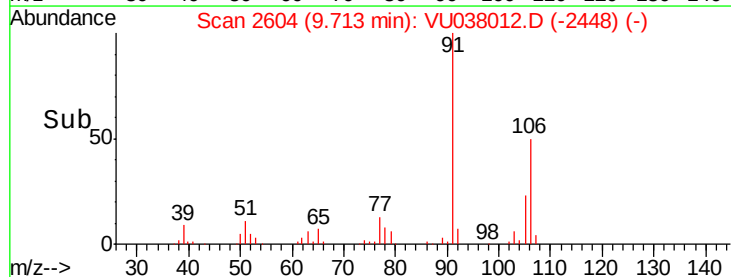
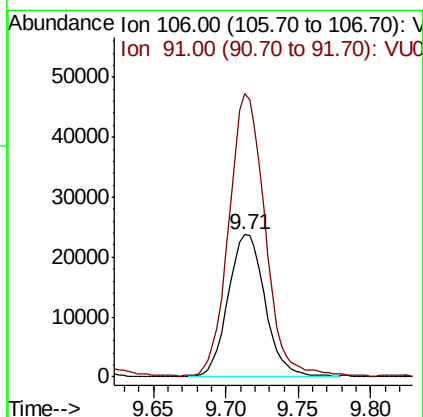
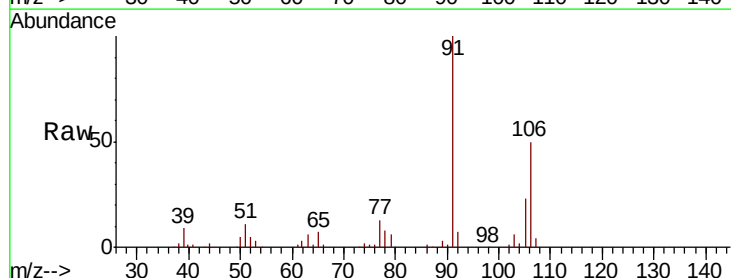
Instrument :  
MSVOA\_U  
ClientSampleId :

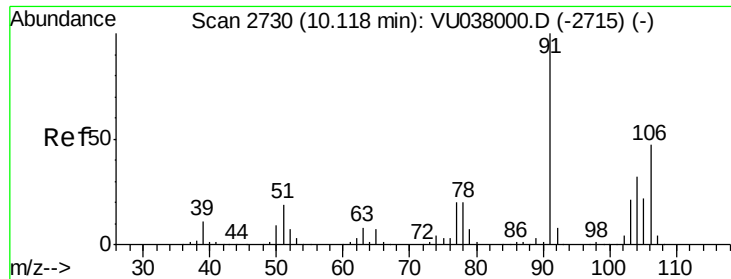
Tot Ion: 91 Resp: 54543  
Ion Ratio Lower Upper  
91 100  
106 30.5 24.9 37.3



#64  
m/p-Xylenes  
Concen: 0.913 ug/l  
RT: 9.71 min Scan# 2604  
Delta R.T. 0.00 min  
Lab File: VU038012.D  
Acq: 05 May 2020 12:47

Tgt Ion: 106 Resp: 42129  
Ion Ratio Lower Upper  
106 100  
91 193.4 159.5 239.3

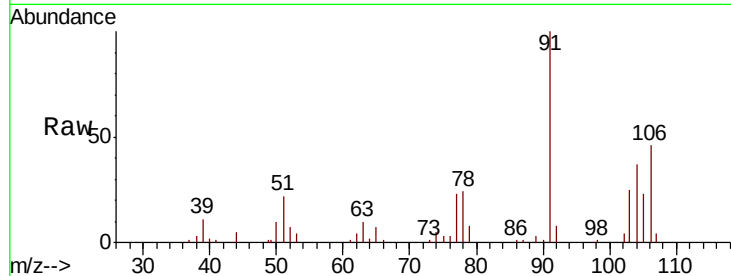




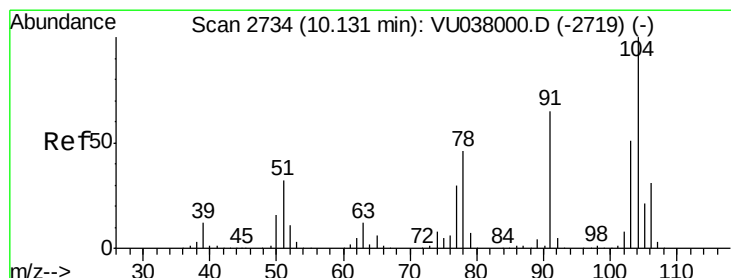
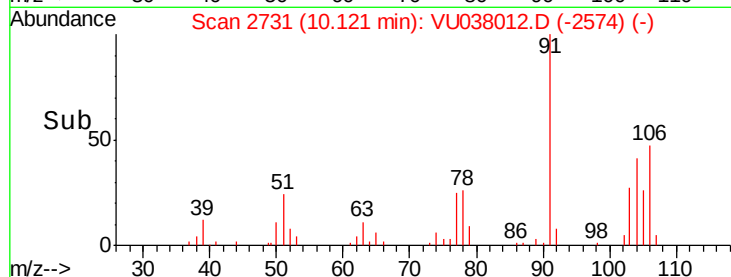
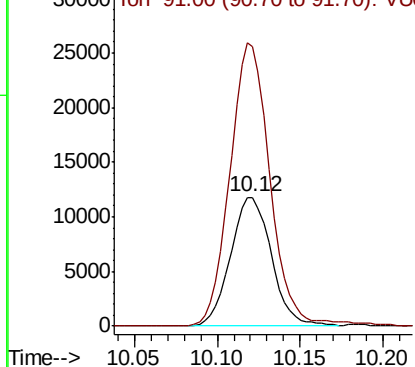
#65  
o-Xylene  
Concen: 0.450 ug/l  
RT: 10.12 min Scan# 2731  
Delta R.T. 0.00 min  
Lab File: VU038012.D  
Acq: 05 May 2020 12:47

Instrument :  
MSVOA\_U  
ClientSampled :

Tot Ion:106 Resp: 20222  
Ion Ratio Lower Upper  
106 100  
91 216.3 105.7 317.0

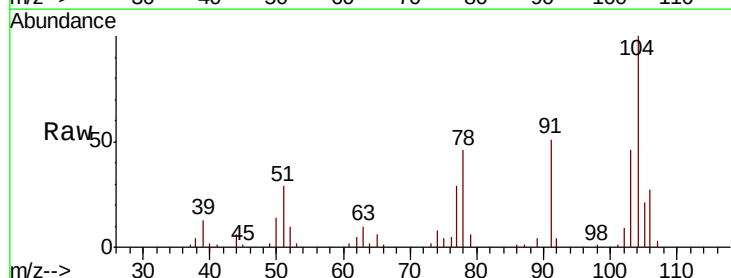


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VU0

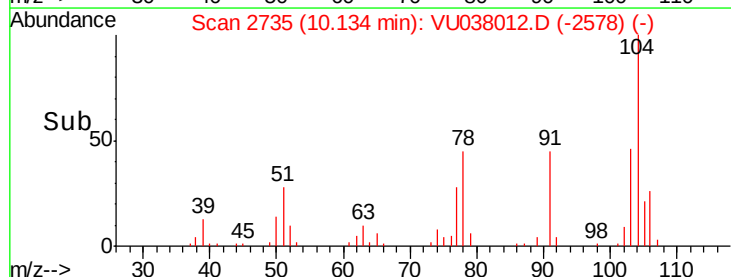
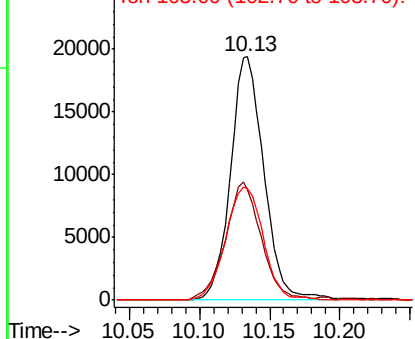


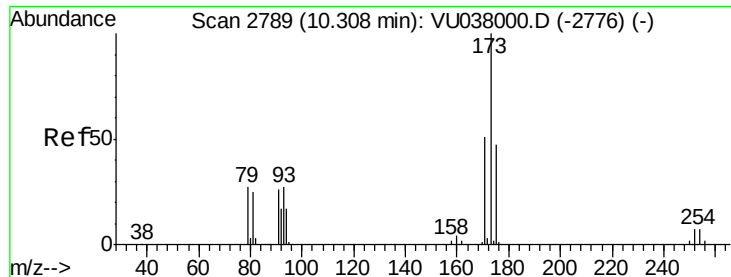
#66  
Styrene  
Concen: 0.436 ug/l  
RT: 10.13 min Scan# 2735  
Delta R.T. 0.00 min  
Lab File: VU038012.D  
Acq: 05 May 2020 12:47

Tgt Ion:104 Resp: 32302  
Ion Ratio Lower Upper  
104 100  
78 51.5 39.9 59.9  
103 51.6 43.4 65.2



Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): VU0  
Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 0.406 ug/l

RT: 10.31 min Scan# 2791

Delta R.T. 0.01 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

Instrument :

MSVOA\_U

ClientSampleId :

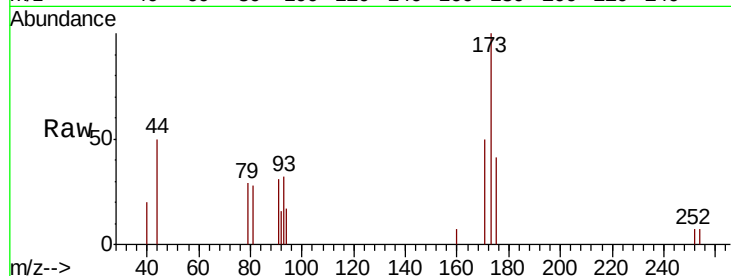
Tot Ion:173 Resp: 4213

Ion Ratio Lower Upper

173 100

175 42.2 37.6 56.4

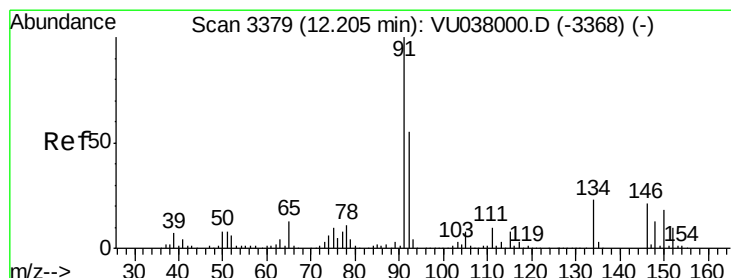
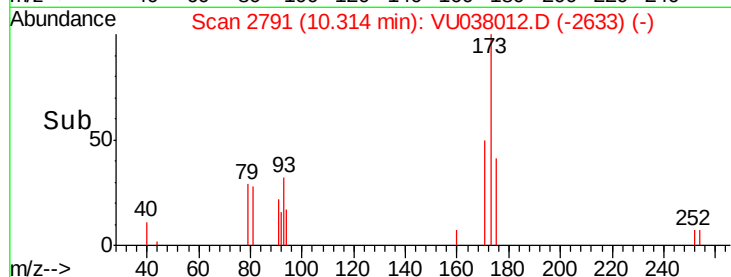
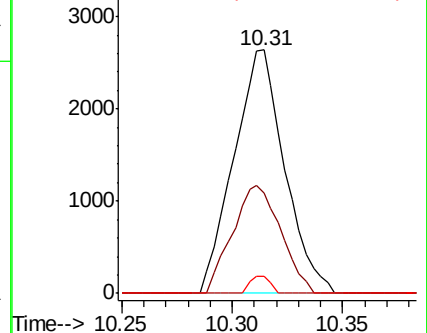
254 2.8 5.5 8.3#



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 0.966 ug/l

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

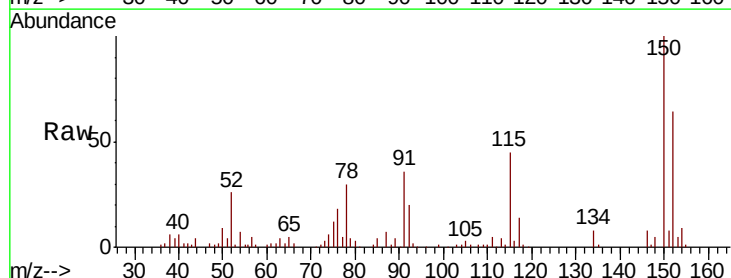
Tgt Ion:152 Resp: 30854

Ion Ratio Lower Upper

152 100

115 72.3 0.0 261.0

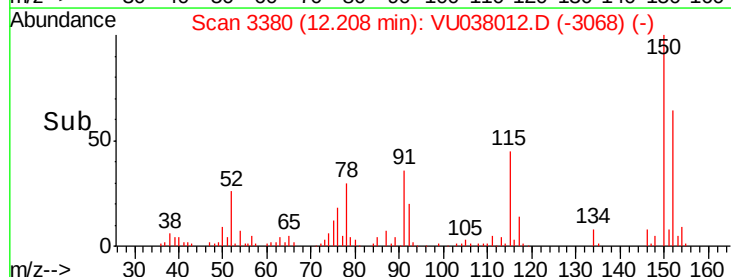
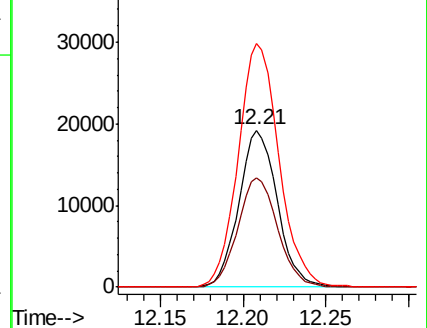
150 165.4 0.0 650.2

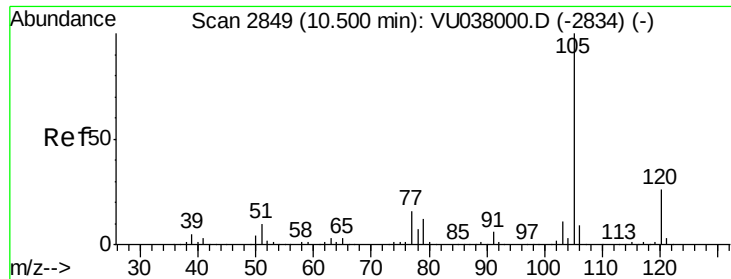


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 0.453 ug/l

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

Instrument :

MSVOA\_U

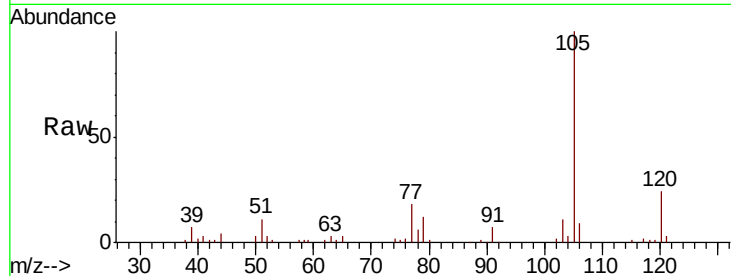
ClientSampleId :

Tot Ion:105 Resp: 53236

Ion Ratio Lower Upper

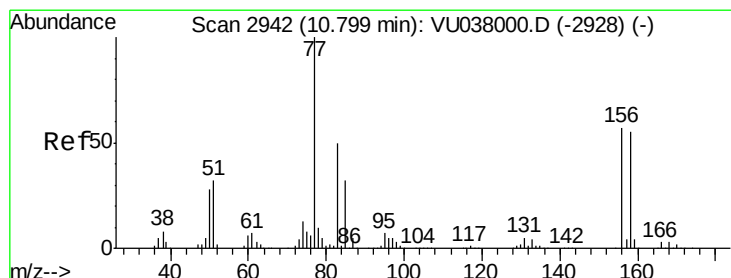
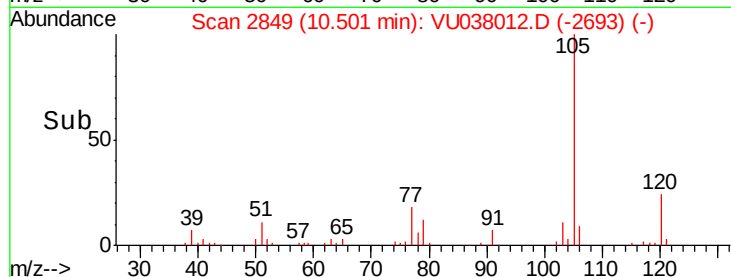
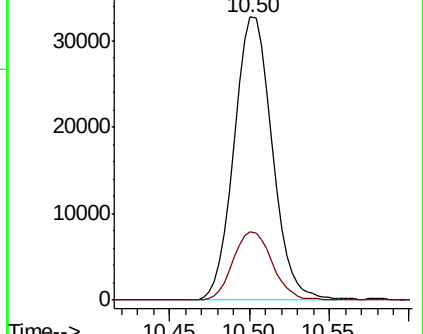
105 100

120 24.9 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 0.462 ug/l

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

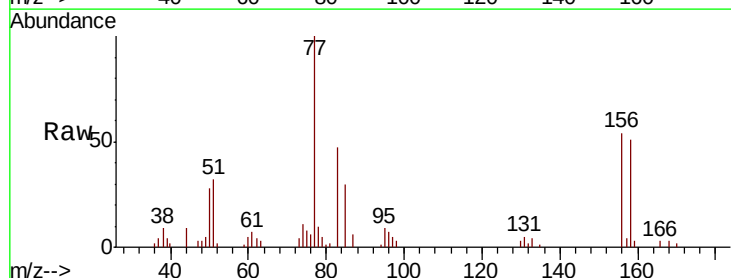
Tgt Ion: 83 Resp: 10546

Ion Ratio Lower Upper

83 100

131 9.7 7.2 10.8

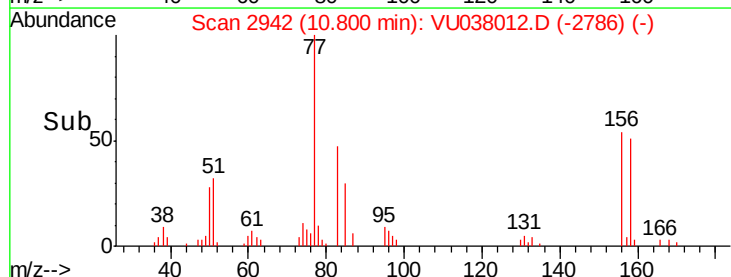
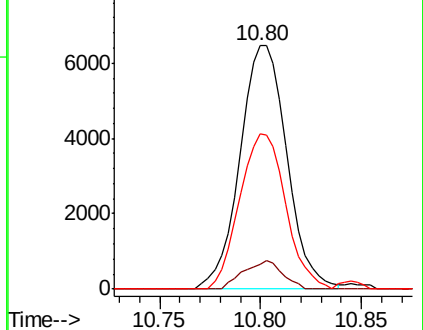
85 62.4 50.0 75.0

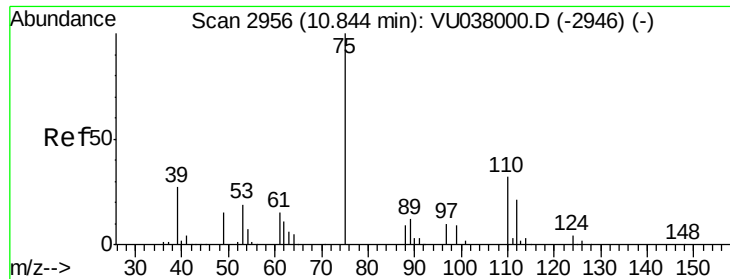


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

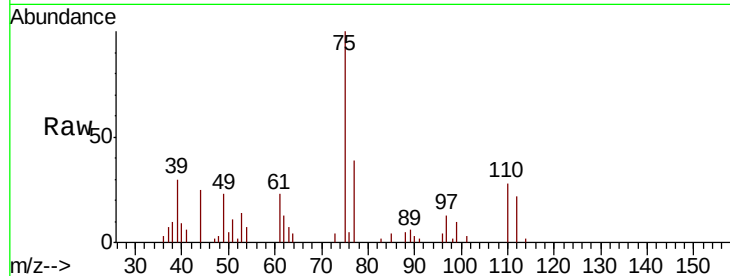




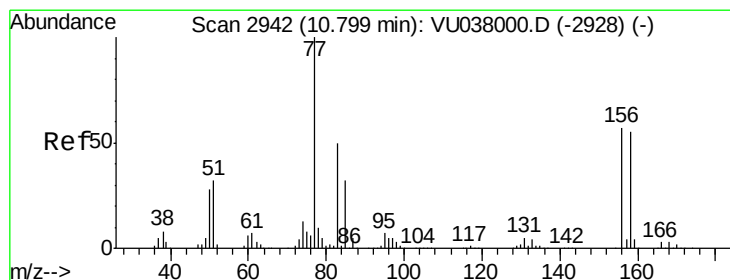
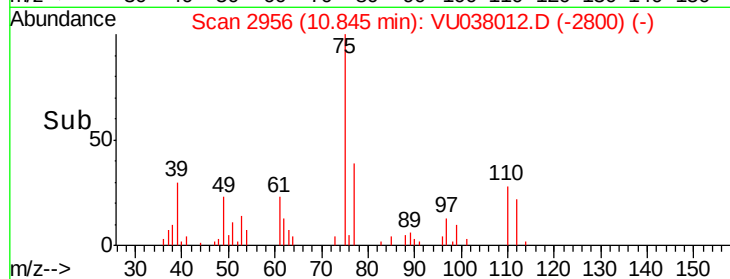
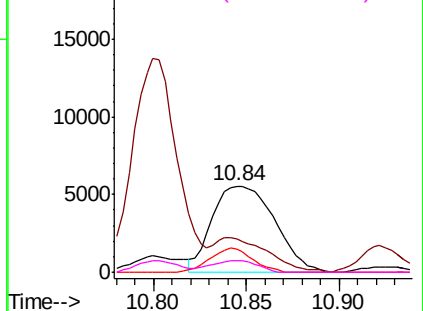
#71  
1,2,3-Trichloropropane  
Concen: 0.771 ug/l  
RT: 10.84 min Scan# 2956  
Delta R.T. 0.00 min  
Lab File: VU038012.D  
Acq: 05 May 2020 12:47

Instrument :  
MSVOA\_U  
ClientSampled :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 13015 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 31.8  | 0.0   | 108.6 |
| 110      | 19.0  | 0.0   | 79.4  |
| 97       | 9.6   | 0.0   | 40.4  |

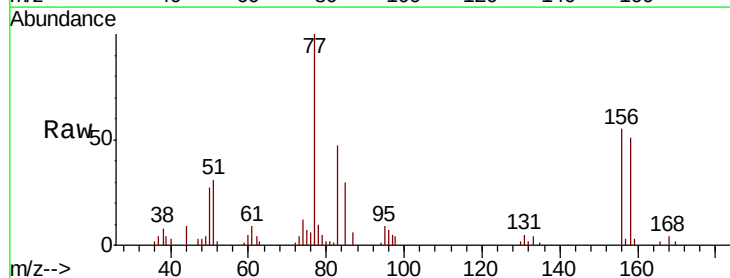


Abundance Ion 75.00 (74.70 to 75.70): VU038012.D (-2800) (-)  
Ion 77.00 (76.70 to 77.70): VU038012.D (-2800) (-)  
Ion 110.00 (109.70 to 110.70): VU038012.D (-2800) (-)  
Ion 97.00 (96.70 to 97.70): VU038012.D (-2800) (-)

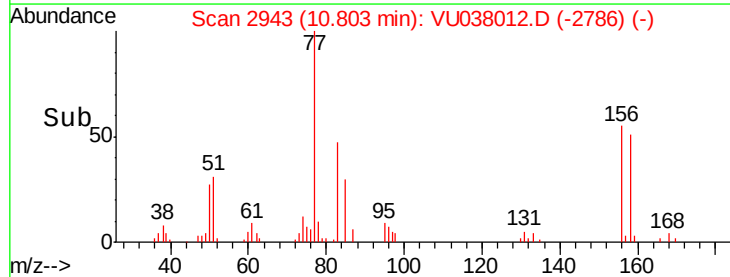
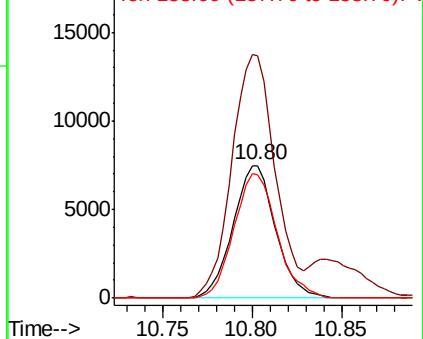


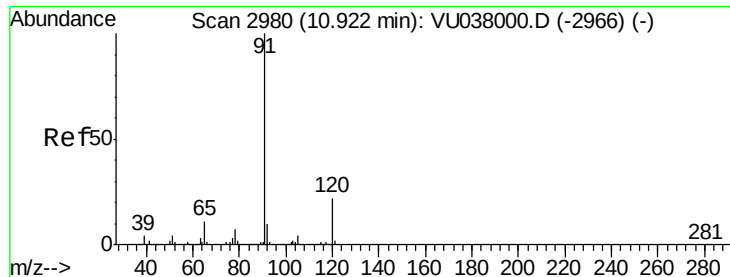
#72  
Bromobenzene  
Concen: 0.475 ug/l  
RT: 10.80 min Scan# 2943  
Delta R.T. 0.00 min  
Lab File: VU038012.D  
Acq: 05 May 2020 12:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 156   | Resp: | 12458 |
| Ion      | Ratio | Lower | Upper |
| 156      | 100   |       |       |
| 77       | 187.1 | 0.0   | 355.6 |
| 158      | 94.7  | 0.0   | 194.0 |



Abundance Ion 156.00 (155.70 to 156.70): VU038012.D (-2786) (-)  
Ion 77.00 (76.70 to 77.70): VU038012.D (-2786) (-)  
Ion 158.00 (157.70 to 158.70): VU038012.D (-2786) (-)





#73

n-propylbenzene

Concen: 0.450 ug/l

RT: 10.93 min Scan# 2981

Delta R.T. 0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

Instrument :

MSVOA\_U

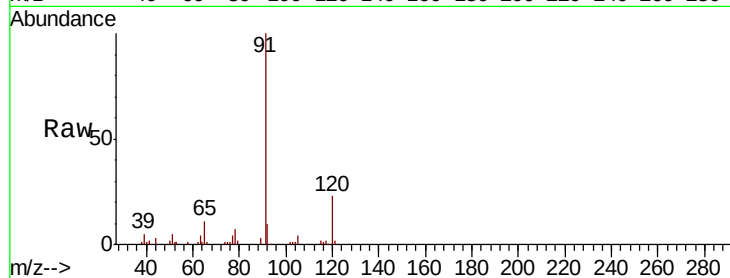
ClientSampled :

Tot Ion:120 Resp: 14503

Ion Ratio Lower Upper

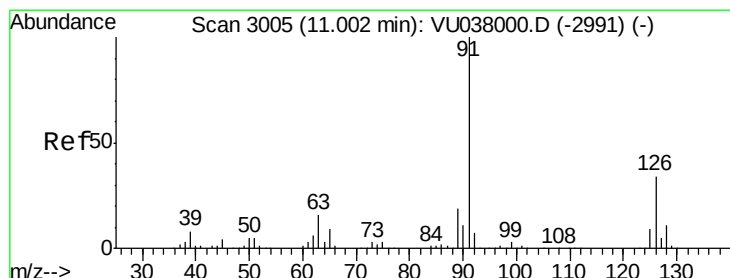
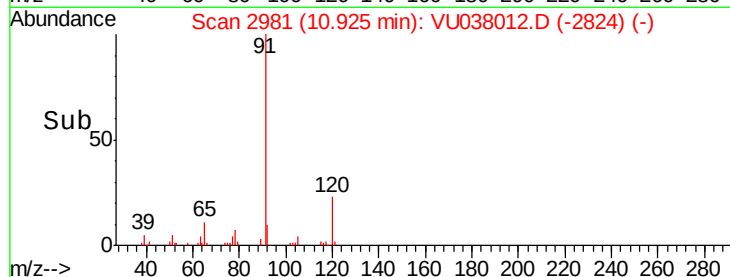
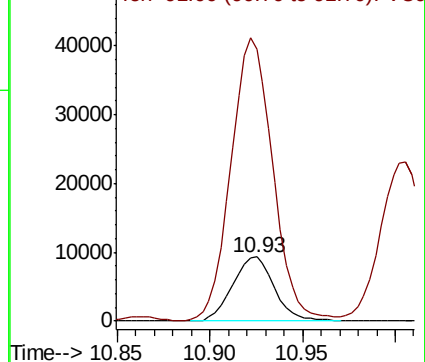
120 100

91 446.2 355.4 533.0



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 0.483 ug/l

RT: 11.01 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU038012.D

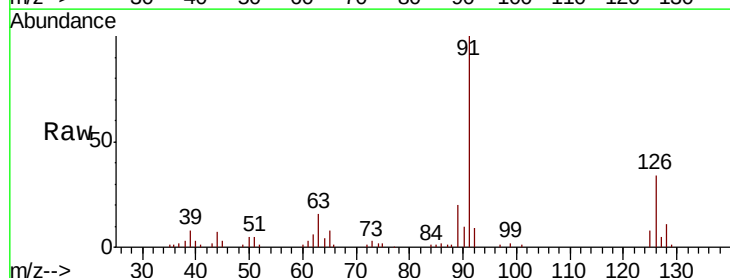
Acq: 05 May 2020 12:47

Tgt Ion:126 Resp: 13052

Ion Ratio Lower Upper

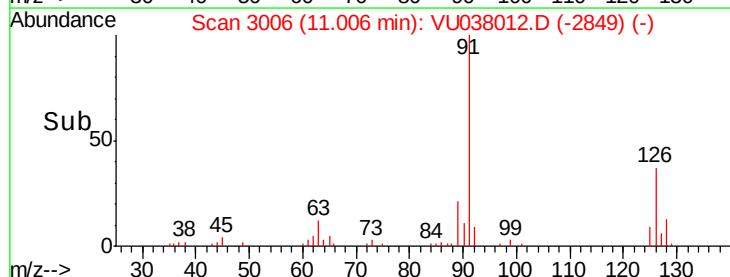
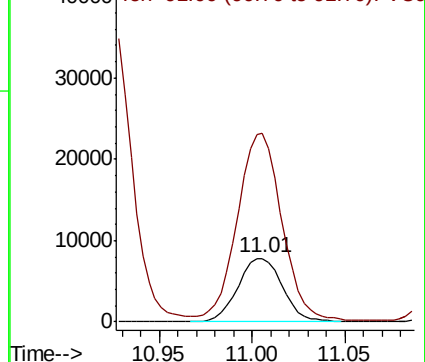
126 100

91 292.5 0.0 625.8

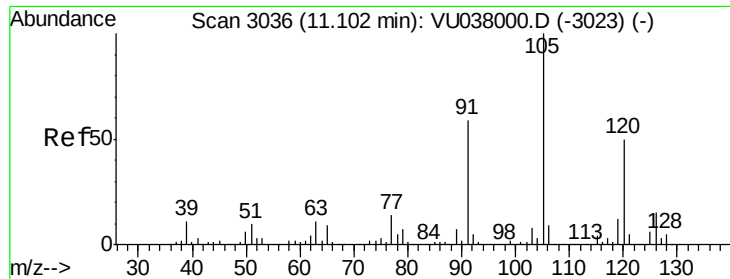


Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0







#75

1,3,5-Trimethylbenzene

Concen: 0.426 ug/l

RT: 11.11 min Scan# 3037

Delta R.T. 0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

Instrument :

MSVOA\_U

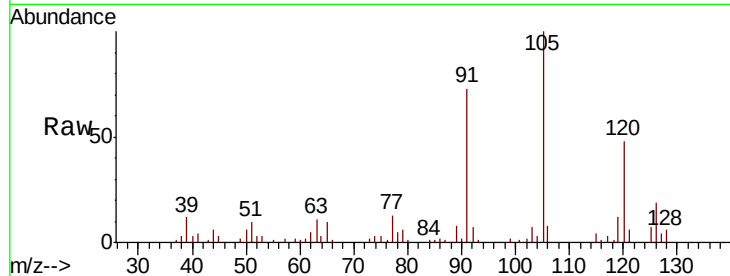
ClientSampled :

Tot Ion:105 Resp: 41401

Ion Ratio Lower Upper

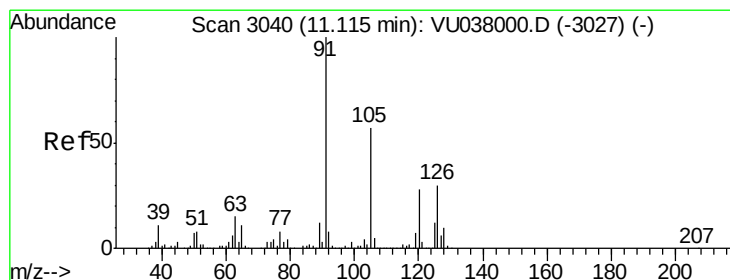
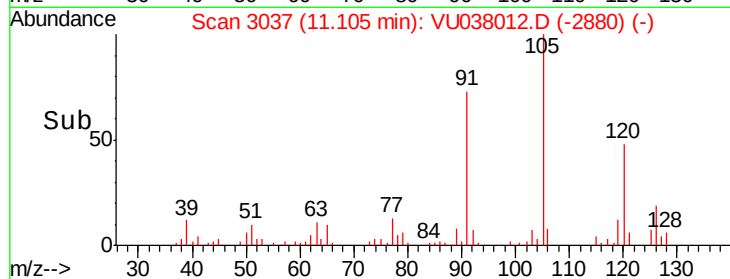
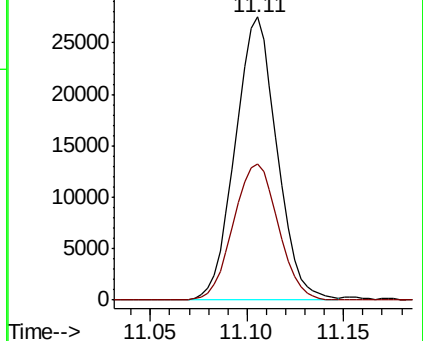
105 100

120 51.5 39.8 59.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 0.477 ug/l

RT: 11.11 min Scan# 3040

Delta R.T. 0.00 min

Lab File: VU038012.D

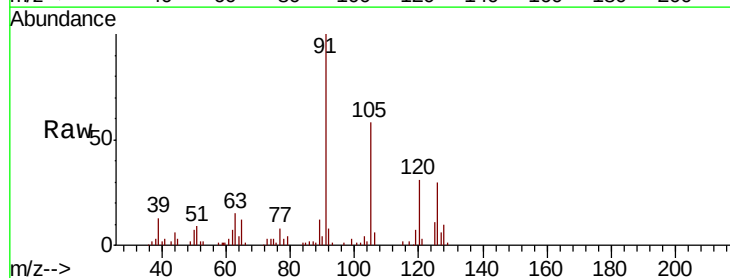
Acq: 05 May 2020 12:47

Tgt Ion:126 Resp: 13398

Ion Ratio Lower Upper

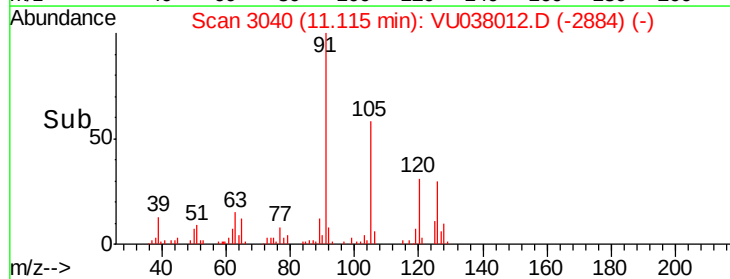
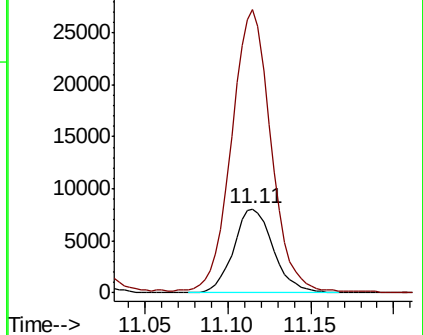
126 100

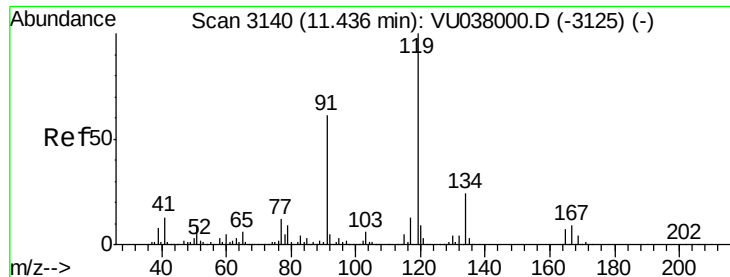
91 330.8 0.0 698.6



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 0.437 ug/l

RT: 11.44 min Scan# 3140

Delta R.T. 0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

Instrument :

MSVOA\_U

ClientSampleId :

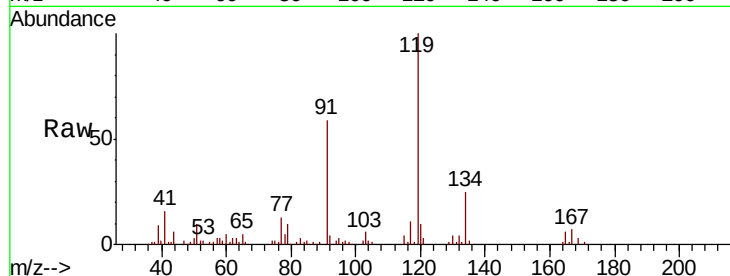
Tot Ion:119 Resp: 40473

Ion Ratio Lower Upper

119 100

91 61.5 30.1 90.5

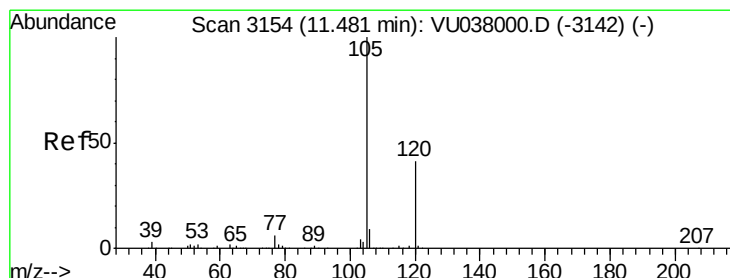
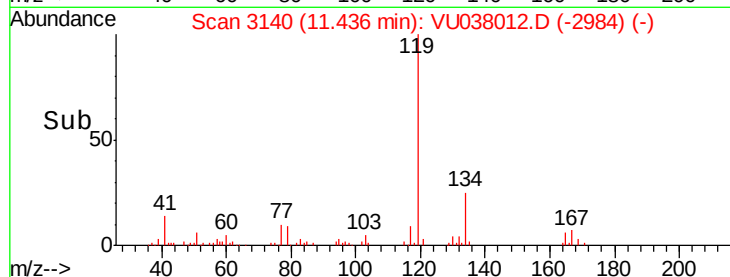
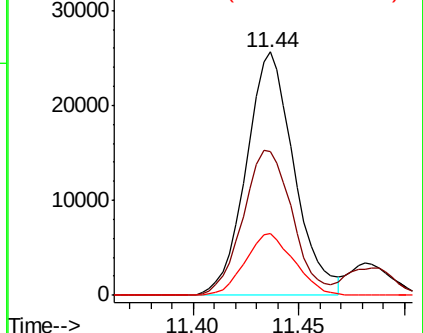
134 25.9 19.0 28.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V



#78

1,2,4-Trimethylbenzene

Concen: 0.423 ug/l

RT: 11.48 min Scan# 3155

Delta R.T. 0.00 min

Lab File: VU038012.D

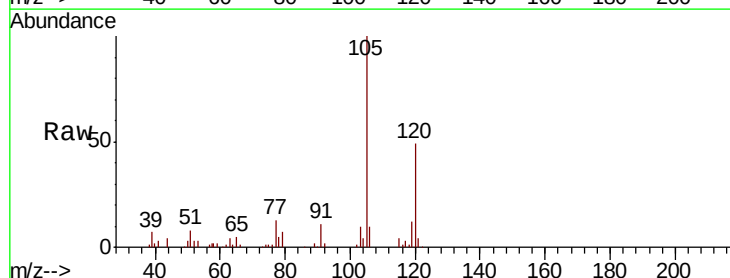
Acq: 05 May 2020 12:47

Tgt Ion:105 Resp: 42332

Ion Ratio Lower Upper

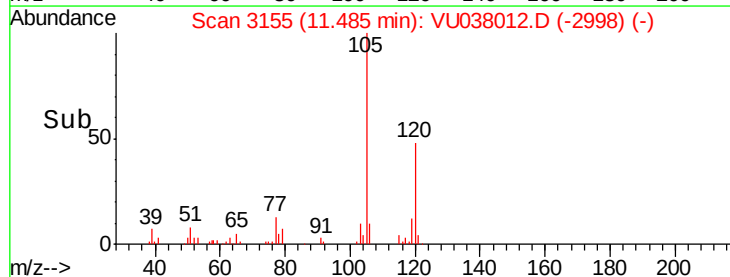
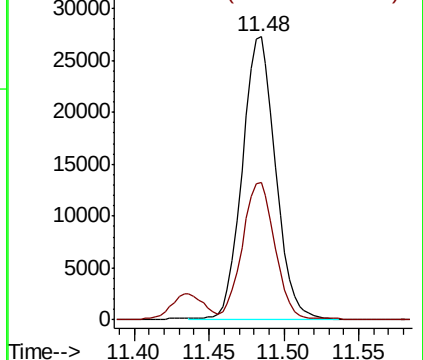
105 100

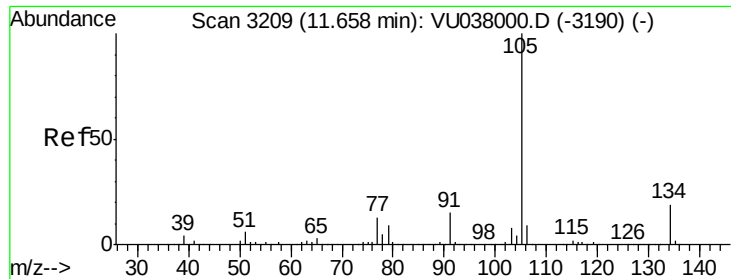
120 46.5 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 0.424 ug/l

RT: 11.66 min Scan# 3209

Delta R.T. 0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

Instrument :

MSVOA\_U

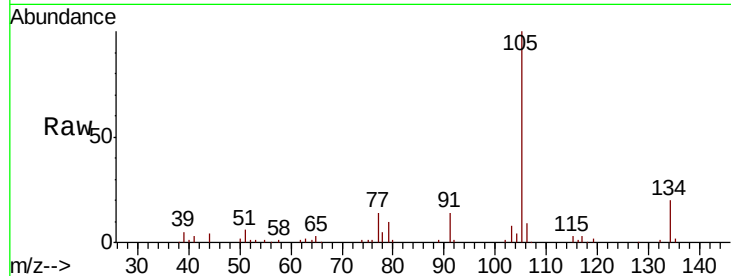
ClientSampleId :

Tot Ion:105 Resp: 56243

Ion Ratio Lower Upper

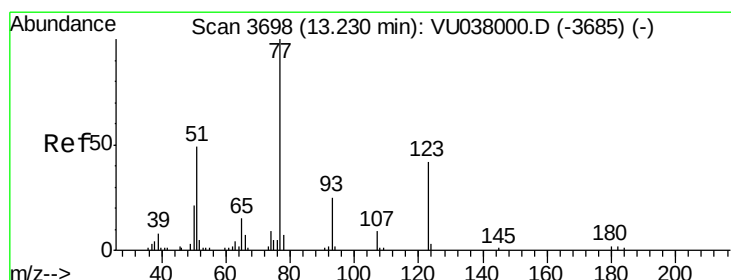
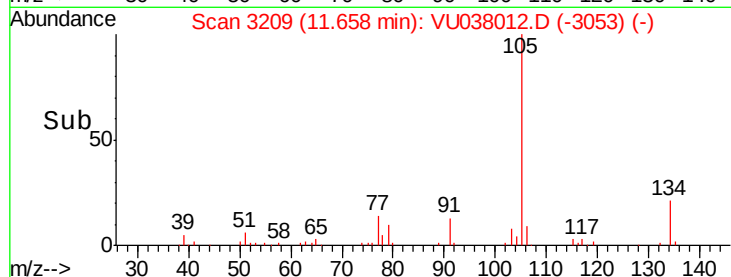
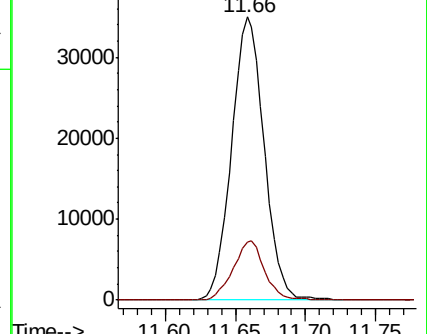
105 100

134 20.2 15.4 23.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 1.715 ug/l

RT: 13.23 min Scan# 3699

Delta R.T. 0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

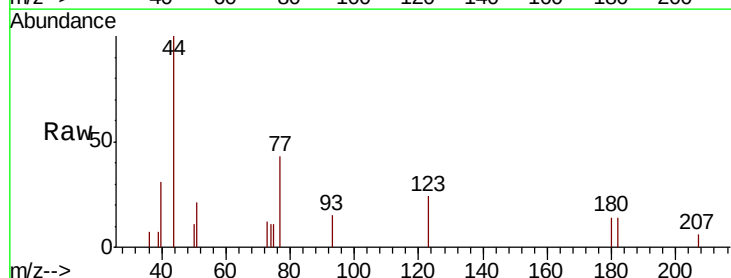
Tgt Ion: 77 Resp: 1161

Ion Ratio Lower Upper

77 100

123 44.9 17.6 62.6

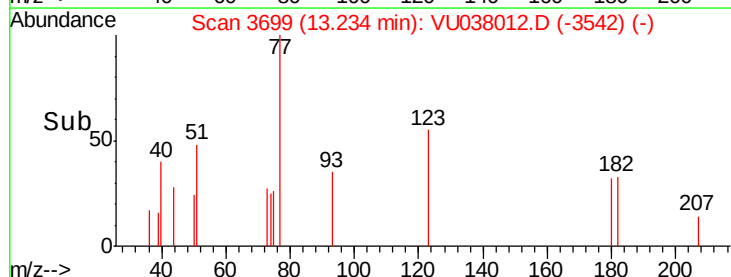
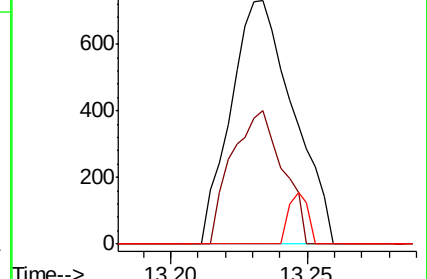
65 6.5 13.2 16.8#

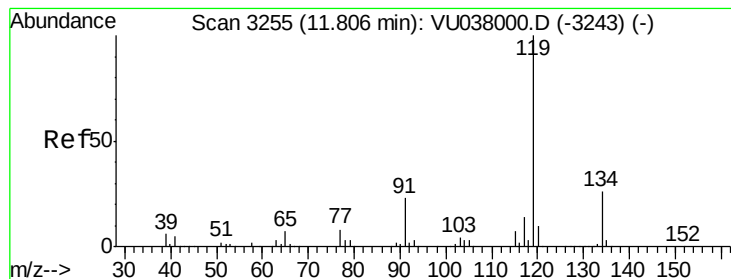


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





#81

p-Isopropyltoluene

Concen: 0.426 ug/l

RT: 11.81 min Scan# 3255

Delta R.T. 0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

Instrument :

MSVOA\_U

ClientSampleId :

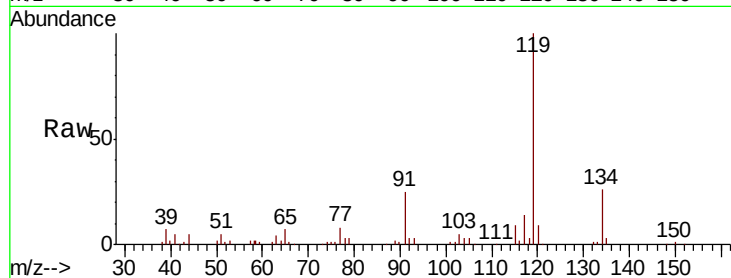
Tot Ion:119 Resp: 45600

Ion Ratio Lower Upper

119 100

134 25.7 20.6 31.0

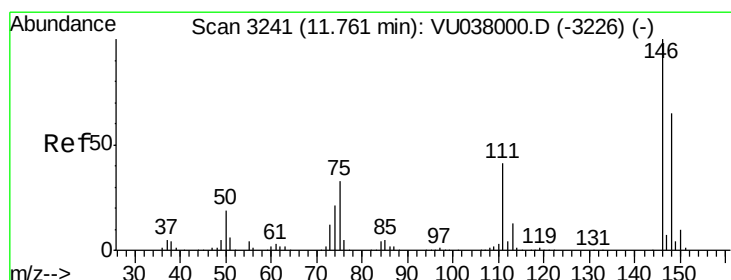
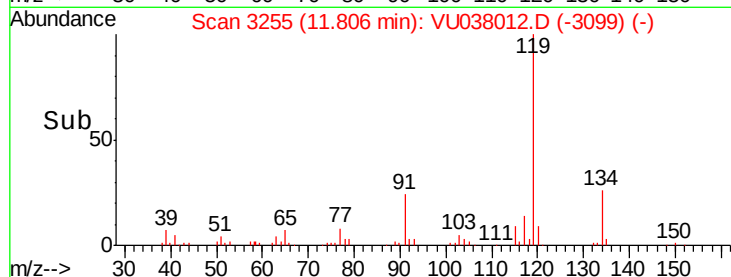
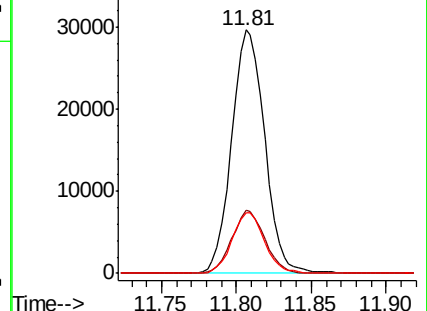
91 24.3 18.6 28.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#82

1,3-Dichlorobenzene

Concen: 0.480 ug/l

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

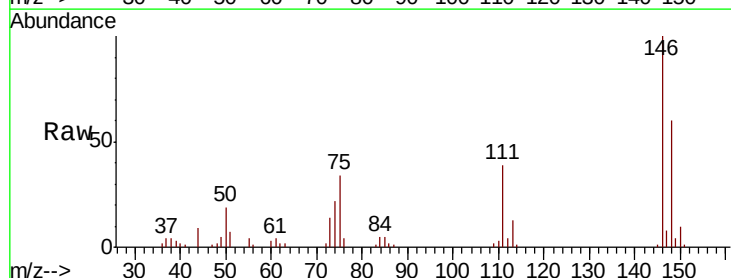
Tgt Ion:146 Resp: 26062

Ion Ratio Lower Upper

146 100

111 42.7 33.0 49.4

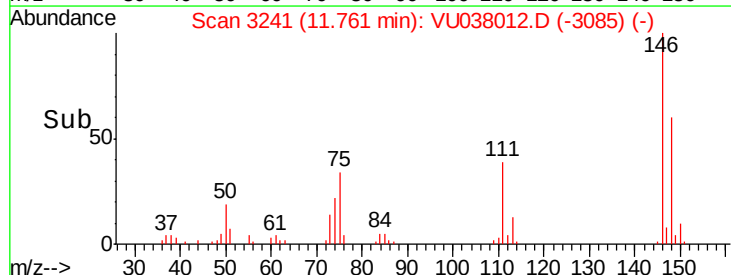
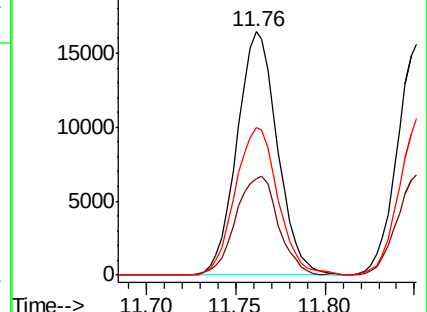
148 64.0 51.4 77.2

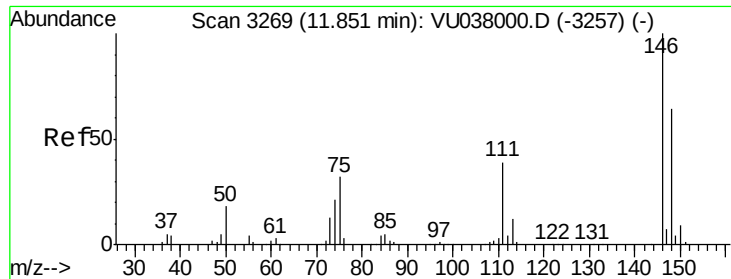


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

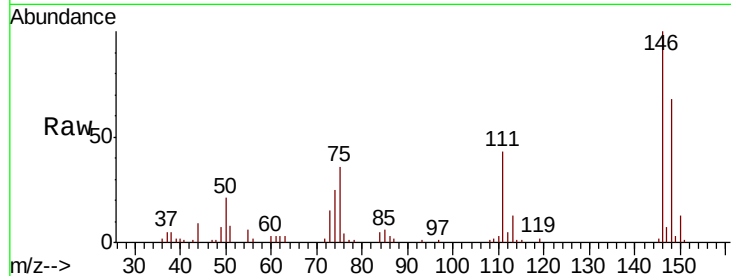




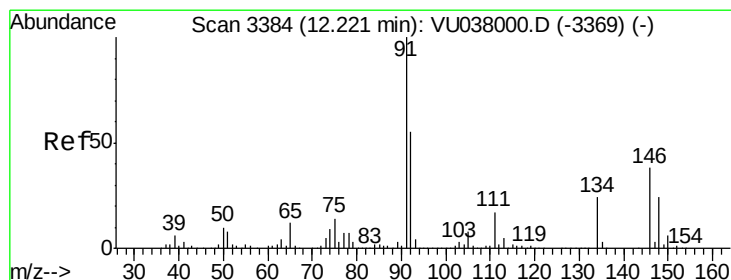
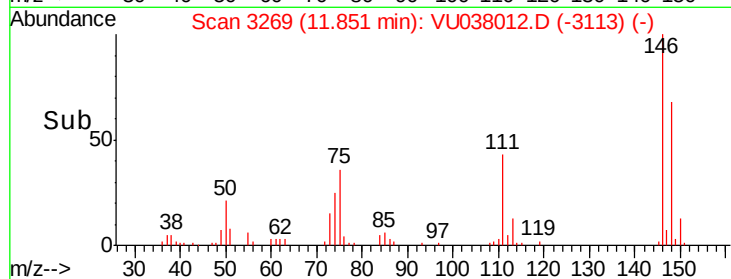
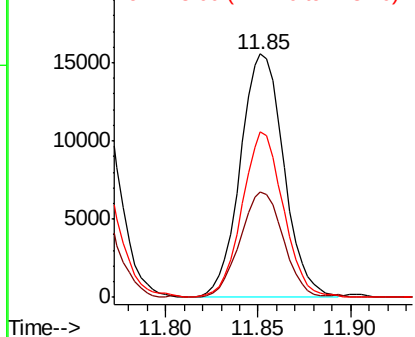
#83  
 1,4-Dichlorobenzene  
 Concen: 0.463 ug/l  
 RT: 11.85 min Scan# 3269  
 Delta R.T. 0.00 min  
 Lab File: VU038012.D  
 Acq: 05 May 2020 12:47

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Tot Ion:146 Resp: 25466  
 Ion Ratio Lower Upper  
 146 100  
 111 42.8 31.8 47.6  
 148 64.4 51.2 76.8

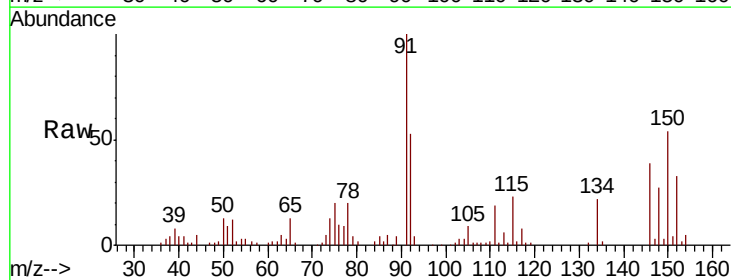


Abundance Ion 146.00 (145.70 to 146.70): V  
 Ion 111.00 (110.70 to 111.70): V  
 Ion 148.00 (147.70 to 148.70): V

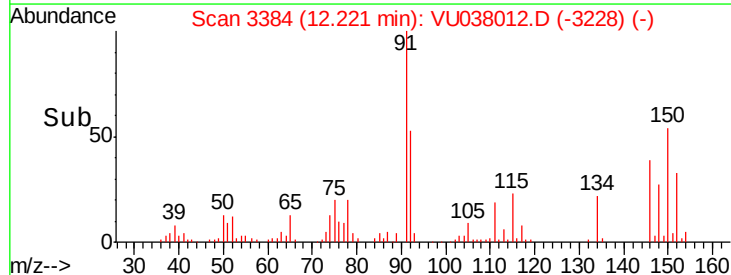
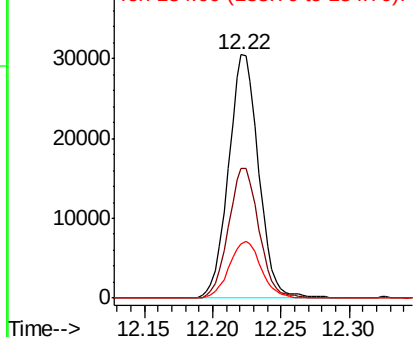


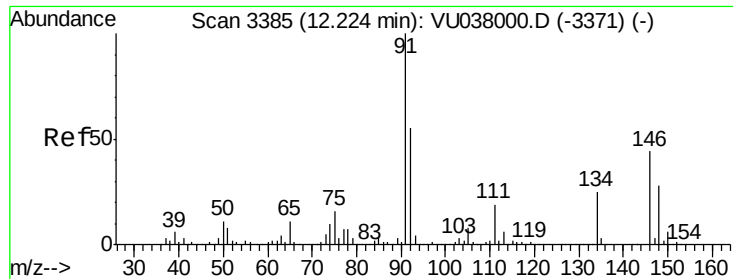
#84  
 n-Butylbenzene  
 Concen: 0.438 ug/l  
 RT: 12.22 min Scan# 3384  
 Delta R.T. 0.00 min  
 Lab File: VU038012.D  
 Acq: 05 May 2020 12:47

Tgt Ion: 91 Resp: 46747  
 Ion Ratio Lower Upper  
 91 100  
 92 53.9 43.8 65.6  
 134 24.4 19.4 29.2



Abundance Ion 91.00 (90.70 to 91.70): VU0  
 Ion 92.00 (91.70 to 92.70): VU0  
 Ion 134.00 (133.70 to 134.70): V

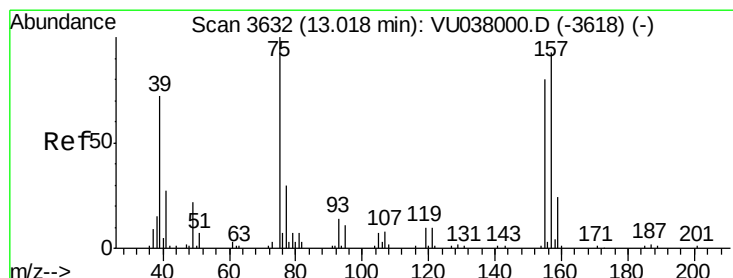
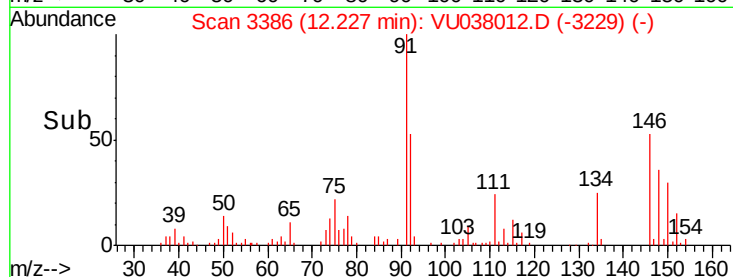
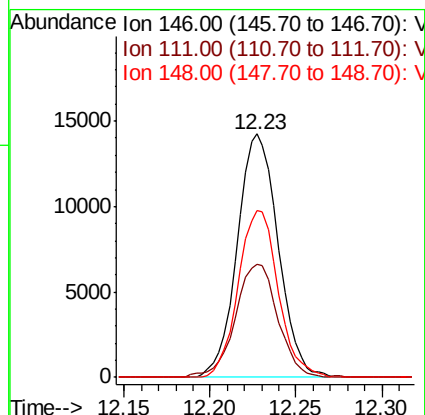
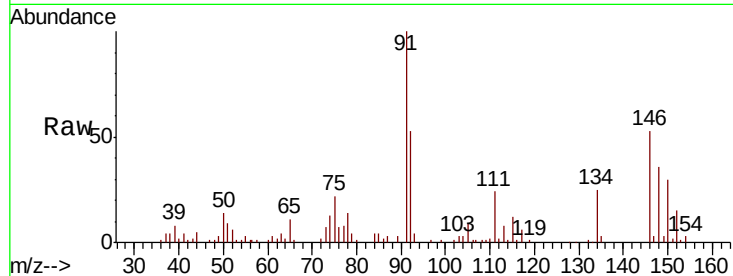




#85  
 1,2-Dichlorobenzene  
 Concen: 0.466 ug/l  
 RT: 12.23 min Scan# 3386  
 Delta R.T. 0.00 min  
 Lab File: VU038012.D  
 Acq: 05 May 2020 12:47

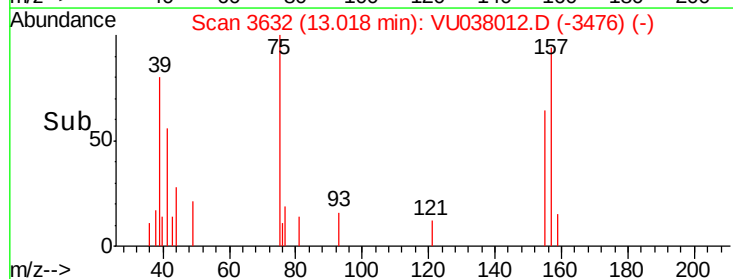
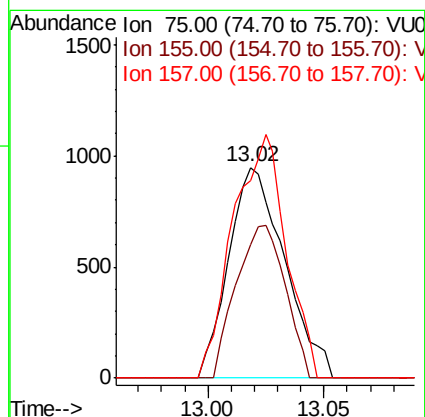
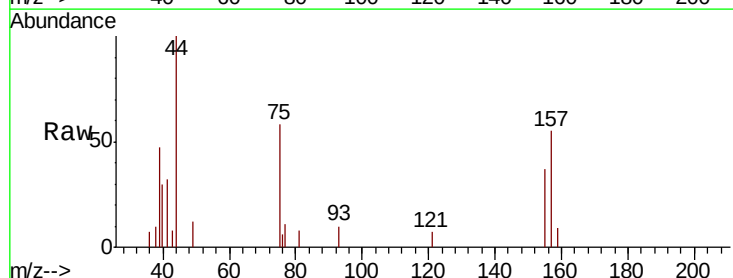
Instrument :  
 MSVOA\_U  
 ClientSampled :

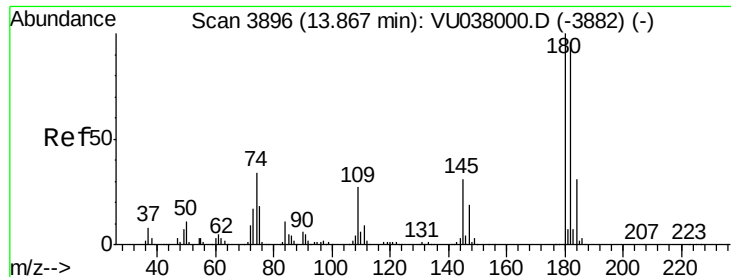
Tot Ion:146 Resp: 23557  
 Ion Ratio Lower Upper  
 146 100  
 111 48.1 21.9 65.8  
 148 67.1 31.8 95.4



#86  
 1,2-Dibromo-3-Chloropropane  
 Concen: 0.443 ug/l  
 RT: 13.02 min Scan# 3632  
 Delta R.T. 0.00 min  
 Lab File: VU038012.D  
 Acq: 05 May 2020 12:47

Tgt Ion: 75 Resp: 1593  
 Ion Ratio Lower Upper  
 75 100  
 155 63.4 60.9 91.3  
 157 109.7 78.1 117.1

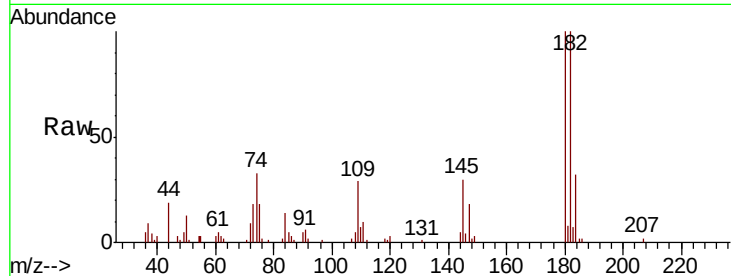




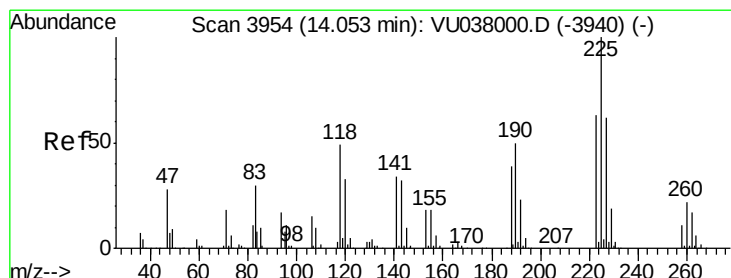
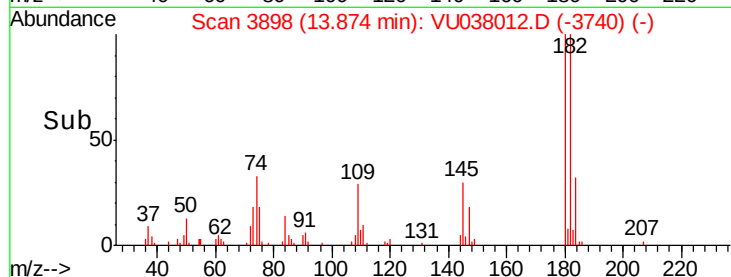
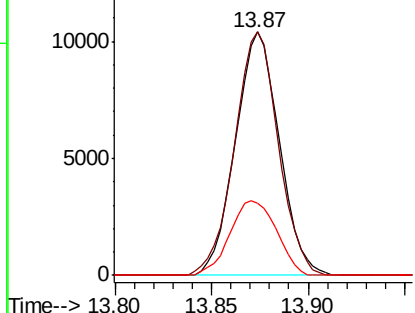
#87  
 1,2,4-Trichlorobenzene  
 Concen: 0.444 ug/l  
 RT: 13.87 min Scan# 3898  
 Delta R.T. 0.01 min  
 Lab File: VU038012.D  
 Acq: 05 May 2020 12:47

Instrument :  
 MSVOA\_U  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 99.9  | 76.9  | 115.3 |
| 145     | 32.6  | 24.7  | 37.1  |

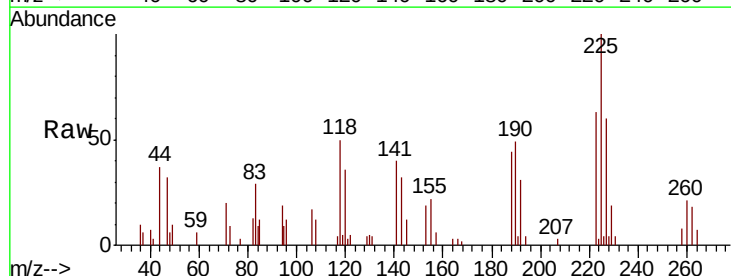


Abundance Ion 179.70 (179.40 to 180.40): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

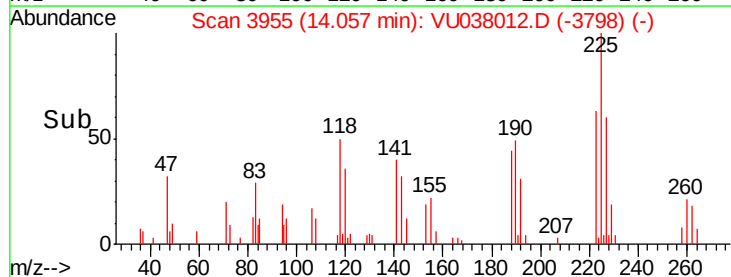
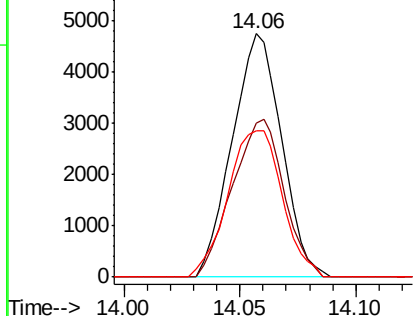


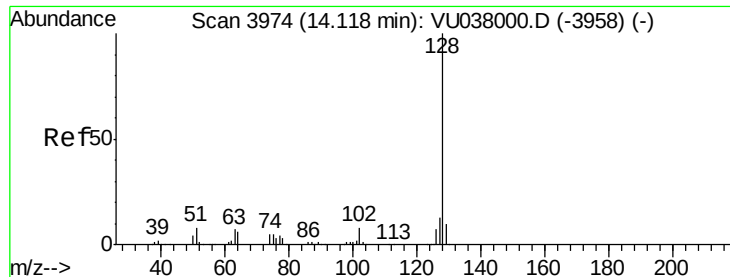
#88  
 Hexachlorobutadiene  
 Concen: 0.424 ug/l  
 RT: 14.06 min Scan# 3955  
 Delta R.T. 0.00 min  
 Lab File: VU038012.D  
 Acq: 05 May 2020 12:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 67.6  | 51.3  | 76.9  |
| 227     | 66.3  | 49.2  | 73.8  |



Abundance Ion 224.60 (224.30 to 225.30): V  
 Ion 222.60 (222.30 to 223.30): V  
 Ion 226.60 (226.30 to 227.30): V





#89

Naphthalene

Concen: 0.427 ug/l

RT: 14.12 min Scan# 3975

Delta R.T. 0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

Instrument :

MSVOA\_U

ClientSampleId :

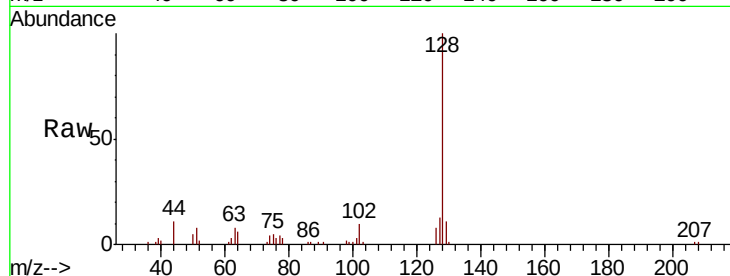
Tot Ion:128 Resp: 30375

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

129 10.2 8.6 12.8

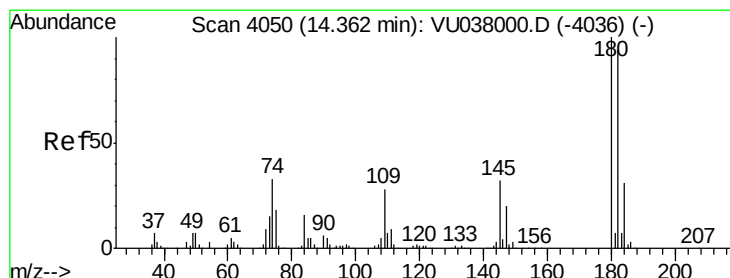
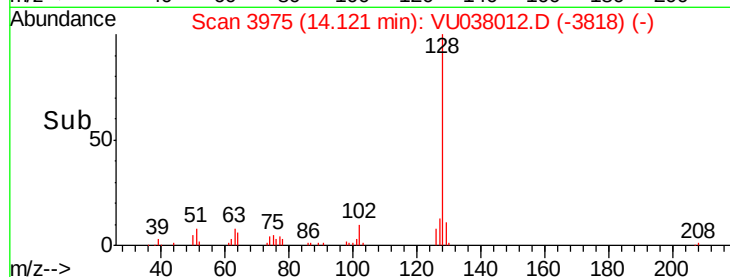
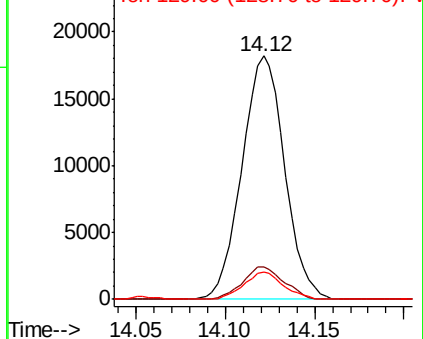


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#90

1,2,3-Trichlorobenzene

Concen: 0.462 ug/l

RT: 14.37 min Scan# 4052

Delta R.T. 0.01 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

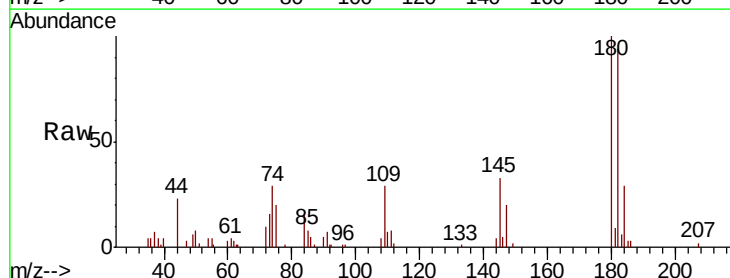
Tgt Ion:180 Resp: 15209

Ion Ratio Lower Upper

180 100

182 94.6 75.9 113.9

145 33.2 26.0 39.0



Abundance

Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

