

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082018\  
 Data File : VU026217.D  
 Acq On : 20 Aug 2018 19:10  
 Operator : MD/SY  
 Sample : VU0820WBSD01  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Aug 21 07:43:00 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U082018DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Mon Aug 20 13:35:41 2018  
 Response via : Initial Calibration

| Internal Standards            | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-------------------------------|-------|------|----------|--------|---------|----------|
| 1) Fluorobenzene              | 5.75  | 96   | 31253    | 1.00   | ug/l    | 0.00     |
| System Monitoring Compounds   |       |      |          |        |         |          |
| 57) 4-Bromofluorobenzene      | 10.31 | 95   | 11473    | 1.02   | ug/l    | 0.00     |
| Spiked Amount 1.000           |       |      | Recovery | =      | 102.00% |          |
| 68) 1,2-Dichlorobenzene-d4    | 11.86 | 152  | 12994    | 0.99   | ug/l    | 0.00     |
| Spiked Amount 1.000           |       |      | Recovery | =      | 99.00%  |          |
| Target Compounds              |       |      |          |        |         |          |
|                               |       |      |          |        | Ovalue  |          |
| 2) Dichlorodifluoromethane    | 1.20  | 85   | 25798    | 2.122  | ug/l    | 98       |
| 3) Chloromethane              | 1.33  | 50   | 21647    | 2.086  | ug/l    | 98       |
| 4) Vinyl Chloride             | 1.40  | 62   | 22171    | 2.137  | ug/l    | 97       |
| 5) Bromomethane               | 1.63  | 94   | 15909    | 2.789  | ug/l    | 96       |
| 6) Chloroethane               | 1.70  | 64   | 12894    | 2.075  | ug/l    | 95       |
| 7) Trichlorofluoromethane     | 1.89  | 101  | 32520    | 2.121  | ug/l    | 100      |
| 8) 1,1,2-Trichloro-1,2,2-trif | 2.29  | 101  | 17990    | 2.116  | ug/l    | 99       |
| 9) 1,1-Dichloroethene         | 2.29  | 96   | 15093    | 2.079  | ug/l    | 96       |
| 10) Iodomethane               | 2.41  | 142  | 17434    | 1.730  | ug/l    | 95       |
| 11) Allyl Chloride            | 2.60  | 41   | 27325    | 2.239  | ug/l    | 86       |
| 12) Acrylonitrile             | 2.94  | 53   | 7151     | 4.346  | ug/l    | 96       |
| 13) Acetone                   | 2.32  | 43   | 15738    | 10.791 | ug/l    | 100      |
| 14) Carbon Disulfide          | 2.48  | 76   | 52369    | 2.087  | ug/l    | 99       |
| 15) Methylene Chloride        | 2.70  | 84   | 18185    | 2.042  | ug/l    | 94       |
| 16) trans-1,2-Dichloroethene  | 2.98  | 96   | 18005    | 2.144  | ug/l    | 89       |
| 17) 1,1-Dichloroethane        | 3.45  | 63   | 36579    | 2.381  | ug/l    | 98       |
| 18) 2-Butanone                | 4.28  | 43   | 25621    | 10.877 | ug/l    | 96       |
| 19) Cyclohexane               | 4.99  | 56   | 22212    | 1.966  | ug/l #  | 84       |
| 20) Methylcyclohexane         | 6.42  | 83   | 24759    | 1.872  | ug/l    | 97       |
| 21) 2,2-Dichloropropane       | 4.23  | 77   | 32099    | 2.032  | ug/l    | 99       |
| 22) cis-1,2-Dichloroethene    | 4.23  | 96   | 20475    | 2.009  | ug/l    | 96       |
| 23) Diethyl Ether             | 2.10  | 59   | 11972    | 2.155  | ug/l    | 98       |
| 24) tert-Butyl Alcohol        | 2.84  | 59   | 12028    | 21.146 | ug/l #  | 96       |
| 25) Methyl tert-Butyl Ether   | 3.00  | 73   | 41237    | 2.179  | ug/l    | 94       |
| 26) Bromochloromethane        | 4.55  | 128  | 9323     | 2.046  | ug/l    | 85       |
| 27) Chloroform                | 4.68  | 83   | 39206    | 2.207  | ug/l    | 99       |
| 28) 1,1,1-Trichloroethane     | 4.92  | 97   | 34622    | 2.192  | ug/l    | 96       |
| 29) 1,1-Dichloropropene       | 5.14  | 75   | 25156    | 2.019  | ug/l    | 98       |
| 30) Carbon Tetrachloride      | 5.13  | 117  | 31529    | 2.116  | ug/l    | 93       |
| 31) Isopropyl Ether           | 3.58  | 45   | 52820    | 2.087  | ug/l    | 89       |
| 32) Ethyl-t-butyl ether       | 4.08  | 59   | 44873    | 2.024  | ug/l    | 96       |
| 33) Tert-Amyl methyl ether    | 5.59  | 73   | 37844    | 1.998  | ug/l    | 98       |
| 34) Propionitrile             | 4.34  | 54   | 7566     | 11.278 | ug/l #  | 95       |
| 35) Benzene                   | 5.39  | 78   | 75709    | 2.102  | ug/l    | 99       |
| 36) 1,2-Dichloroethane        | 5.41  | 62   | 24854    | 2.226  | ug/l    | 96       |
| 37) Trichloroethene           | 6.19  | 130  | 20374    | 2.011  | ug/l    | 96       |
| 38) 1,2-Dichloropropane       | 6.44  | 63   | 20176    | 2.163  | ug/l    | 99       |
| 39) Methacrylonitrile         | 4.55  | 41   | 5788     | 2.044  | ug/l    | 89       |
| 40) Methyl acrylate           | 4.43  | 55   | 9137     | 2.128  | ug/l #  | 94       |
| 41) Tetrahydrofuran           | 4.66  | 42   | 5991     | 3.803  | ug/l    | 93       |
| 42) 1-Chlorobutane            | 5.07  | 56   | 35614    | 2.113  | ug/l    | 99       |

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 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 21 Sample Multiplier: 1

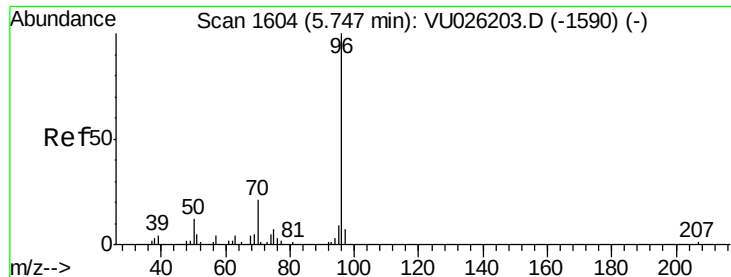
Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Aug 21 07:43:00 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U082018DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Mon Aug 20 13:35:41 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 43) Dibromomethane             | 6.56  | 93   | 10898    | 2.199  | ug/l   | 97       |
| 44) Bromodichloromethane       | 6.76  | 83   | 27575    | 2.156  | ug/l   | 92       |
| 45) 4-Methyl-2-Pentanone       | 7.47  | 43   | 51759    | 10.304 | ug/l   | 98       |
| 46) t-1,4-Dichloro-2-butene    | 10.50 | 75   | 12282    | 5.216  | ug/l # | 65       |
| 47) Methyl methacrylate        | 6.63  | 69   | 15341    | 4.052  | ug/l # | 94       |
| 48) Ethyl methacrylate         | 8.02  | 69   | 14002    | 2.021  | ug/l   | 98       |
| 49) Toluene                    | 7.64  | 92   | 41424    | 2.014  | ug/l   | 91       |
| 50) t-1,3-Dichloropropene      | 7.89  | 75   | 22405    | 2.053  | ug/l   | 99       |
| 51) cis-1,3-Dichloropropene    | 7.27  | 75   | 25321    | 2.001  | ug/l   | 98       |
| 52) 1,1,2-Trichloroethane      | 8.07  | 97   | 14443    | 2.149  | ug/l   | 99       |
| 53) 1,3-Dichloropropane        | 8.25  | 76   | 24663    | 2.209  | ug/l   | 100      |
| 54) 2-Hexanone                 | 8.37  | 43   | 35776    | 10.003 | ug/l   | 96       |
| 55) Dibromochloromethane       | 8.48  | 129  | 19243    | 2.142  | ug/l   | 99       |
| 56) 1,2-Dibromoethane          | 8.59  | 107  | 13653    | 2.088  | ug/l   | 100      |
| 58) Tetrachloroethene          | 8.23  | 164  | 19464    | 2.031  | ug/l   | 98       |
| 59) Chlorobenzene              | 9.12  | 112  | 48548    | 2.038  | ug/l   | 96       |
| 60) 1,1,1,2-Tetrachloroethane  | 9.21  | 131  | 21104    | 2.222  | ug/l   | 99       |
| 61) Pentachloroethane          | 11.10 | 117  | 17344    | 2.140  | ug/l   | 95       |
| 62) Hexachloroethane           | 12.15 | 117  | 16745    | 2.071  | ug/l   | 99       |
| 63) Ethyl Benzene              | 9.25  | 91   | 73394    | 1.942  | ug/l   | 100      |
| 64) m/p-Xylenes                | 9.38  | 106  | 60034    | 3.979  | ug/l   | 98       |
| 65) o-Xylene                   | 9.78  | 106  | 28401    | 1.974  | ug/l   | 100      |
| 66) Styrene                    | 9.80  | 104  | 49023    | 1.991  | ug/l   | 99       |
| 67) Bromoform                  | 9.96  | 173  | 11471    | 2.167  | ug/l # | 96       |
| 69) Isopropylbenzene           | 10.17 | 105  | 76597    | 2.014  | ug/l   | 99       |
| 70) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 18279    | 2.168  | ug/l   | 99       |
| 71) 1,2,3-Trichloropropane     | 10.50 | 75   | 12282    | 2.035  | ug/l # | 96       |
| 72) Bromobenzene               | 10.45 | 156  | 21383    | 2.009  | ug/l   | 97       |
| 73) n-propylbenzene            | 10.59 | 120  | 22233    | 1.999  | ug/l   | 94       |
| 74) 2-Chlorotoluene            | 10.66 | 126  | 20910    | 2.084  | ug/l   | 89       |
| 75) 1,3,5-Trimethylbenzene     | 10.77 | 105  | 68910    | 2.039  | ug/l   | 99       |
| 76) 4-Chlorotoluene            | 10.77 | 126  | 22284    | 2.161  | ug/l   | 91       |
| 77) tert-Butylbenzene          | 11.10 | 119  | 66843    | 1.985  | ug/l   | 98       |
| 78) 1,2,4-Trimethylbenzene     | 11.15 | 105  | 70368    | 2.012  | ug/l   | 100      |
| 79) sec-Butylbenzene           | 11.33 | 105  | 88578    | 2.008  | ug/l   | 97       |
| 80) Nitrobenzene               | 12.86 | 77   | 3512     | 9.533  | ug/l   | 98       |
| 81) p-Isopropyltoluene         | 11.48 | 119  | 72425    | 1.941  | ug/l   | 97       |
| 82) 1,3-Dichlorobenzene        | 11.42 | 146  | 47504    | 2.119  | ug/l   | 100      |
| 83) 1,4-Dichlorobenzene        | 11.51 | 146  | 46875    | 2.095  | ug/l   | 100      |
| 84) n-Butylbenzene             | 11.89 | 91   | 70775    | 1.960  | ug/l   | 97       |
| 85) 1,2-Dichlorobenzene        | 11.88 | 146  | 42757    | 2.077  | ug/l   | 100      |
| 86) 1,2-Dibromo-3-Chloropropan | 12.66 | 75   | 2894     | 1.950  | ug/l   | 92       |
| 87) 1,2,4-Trichlorobenzene     | 13.51 | 180  | 27340    | 1.888  | ug/l   | 100      |
| 88) Hexachlorobutadiene        | 13.69 | 225  | 18475    | 2.086  | ug/l   | 93       |
| 89) Naphthalene                | 13.74 | 128  | 41018    | 1.799  | ug/l   | 99       |
| 90) 1,2,3-Trichlorobenzene     | 13.99 | 180  | 27002    | 1.980  | ug/l   | 98       |

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





#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.75 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Instrument :

MSVOA\_U

ClientSampleId :

Tot Ion: 96 Resp: 31253

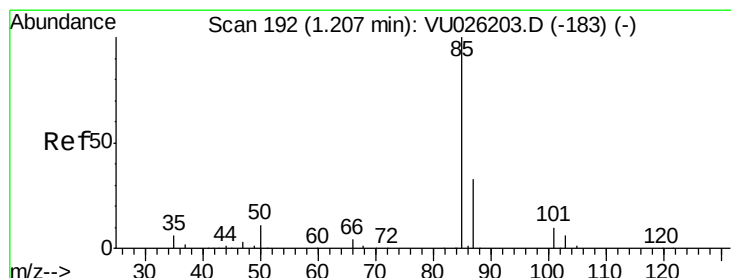
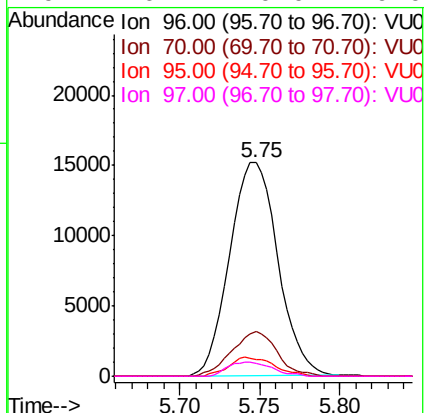
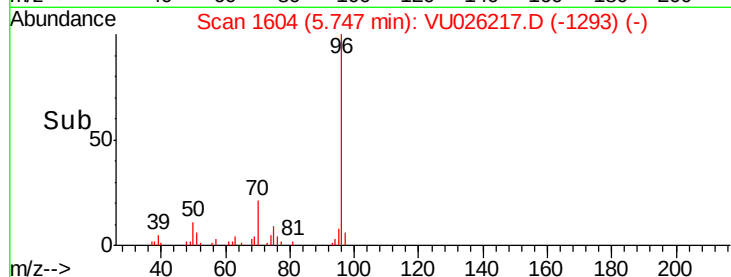
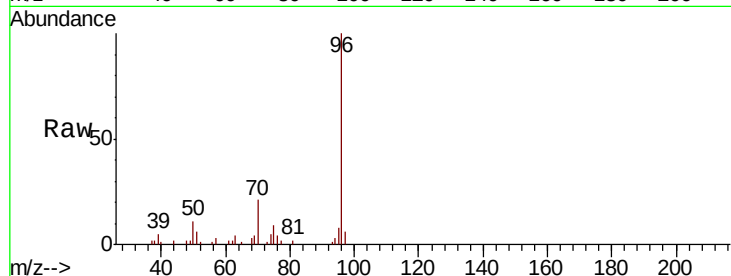
Ion Ratio Lower Upper

96 100

70 19.8 16.2 24.4

95 8.4 6.9 10.3

97 6.2 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 2.122 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU026217.D

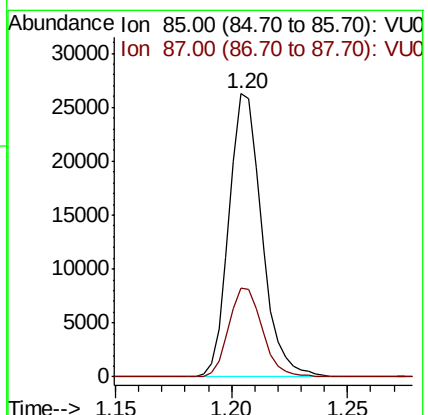
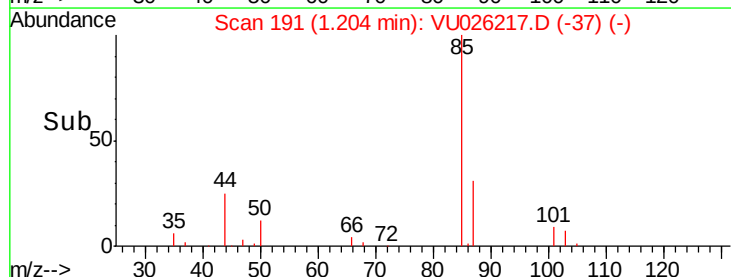
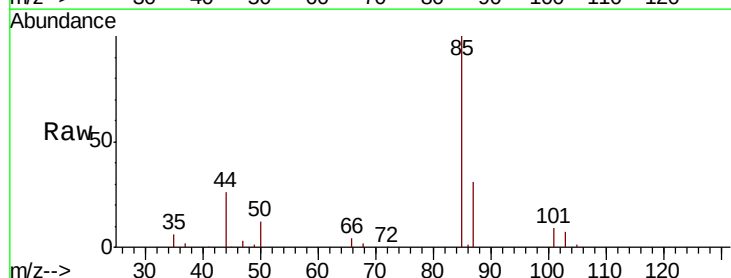
Acq: 20 Aug 2018 19:10

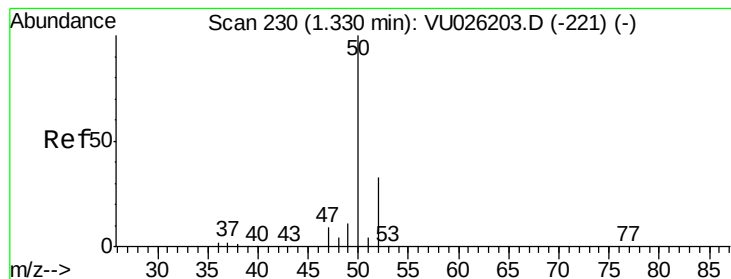
Tgt Ion: 85 Resp: 25798

Ion Ratio Lower Upper

85 100

87 31.3 16.2 48.5





#3

Chloromethane

Concen: 2.086 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Instrument :

MSVOA\_U

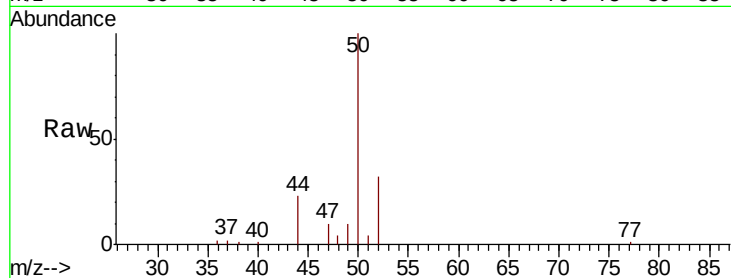
ClientSampleId :

Tot Ion: 50 Resp: 21647

Ion Ratio Lower Upper

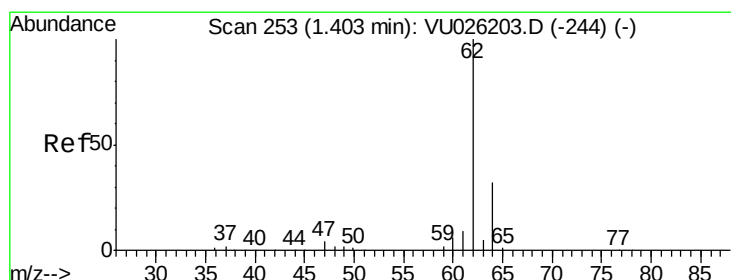
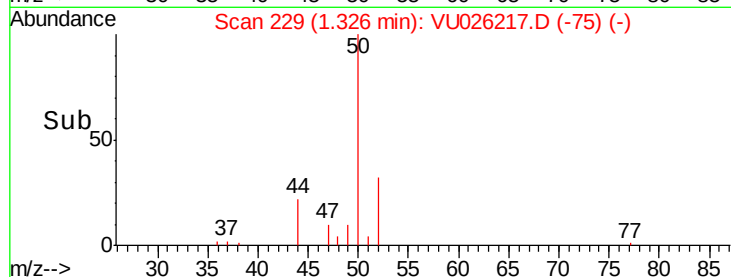
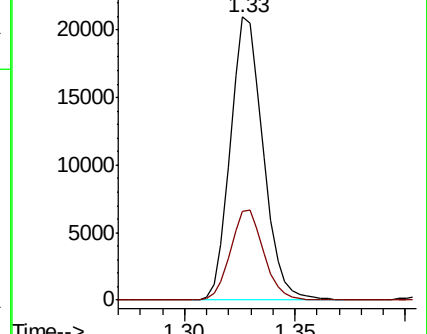
50 100

52 31.5 26.0 39.0



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 2.137 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU026217.D

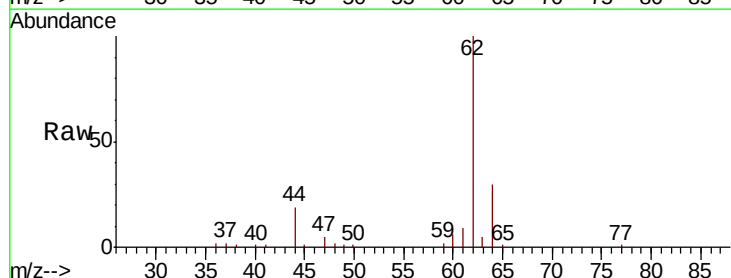
Acq: 20 Aug 2018 19:10

Tgt Ion: 62 Resp: 22171

Ion Ratio Lower Upper

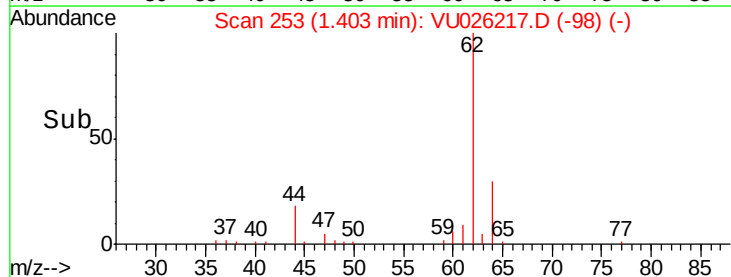
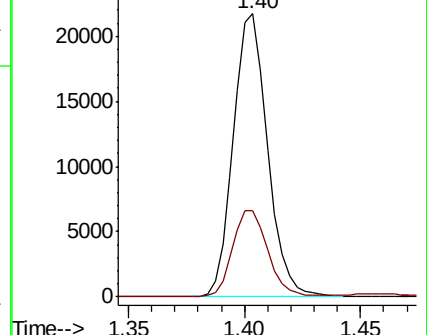
62 100

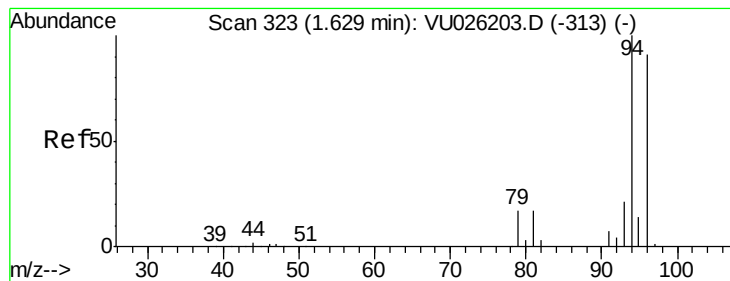
64 30.4 25.8 38.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 2.789 ug/l

RT: 1.63 min Scan# 323

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Instrument :

MSVOA\_U

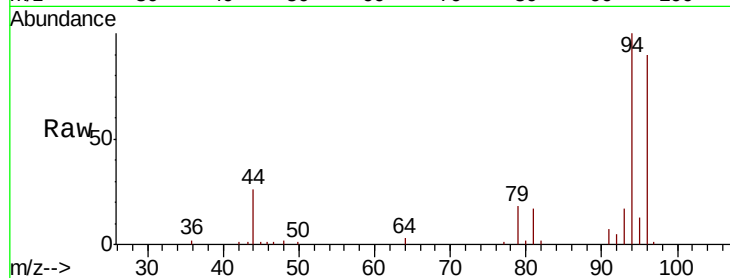
ClientSampleId :

Tot Ion: 94 Resp: 15909

Ion Ratio Lower Upper

94 100

96 90.4 75.1 112.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

15000

10000

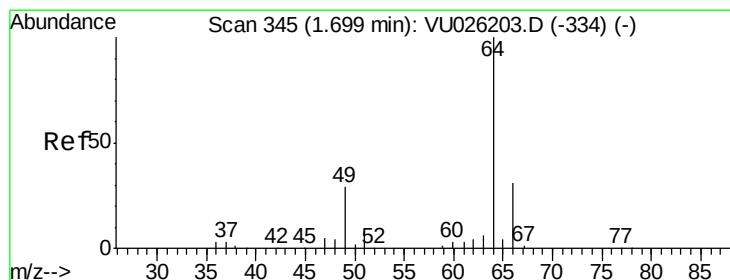
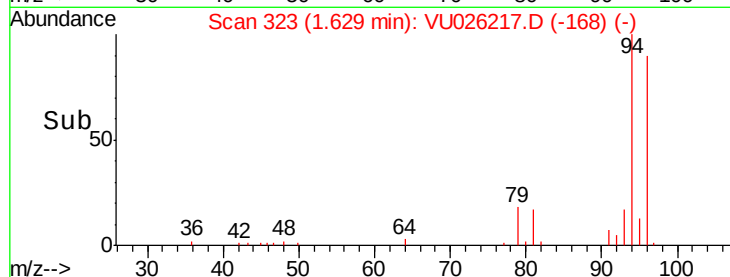
5000

0

1.63

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 2.075 ug/l

RT: 1.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU026217.D

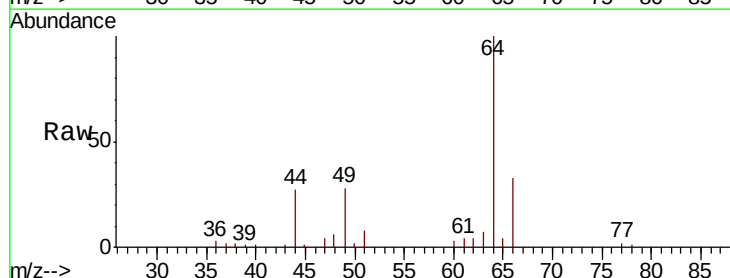
Acq: 20 Aug 2018 19:10

Tgt Ion: 64 Resp: 12894

Ion Ratio Lower Upper

64 100

66 33.6 24.9 37.3



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

12000

10000

8000

6000

4000

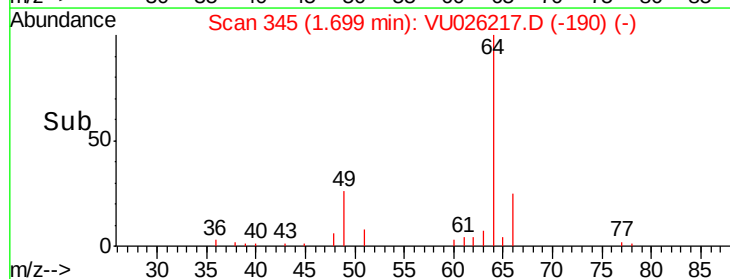
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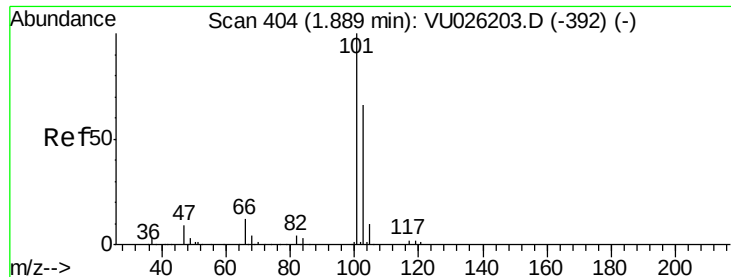
0

1.70

1.65 1.70 1.75

Time-->



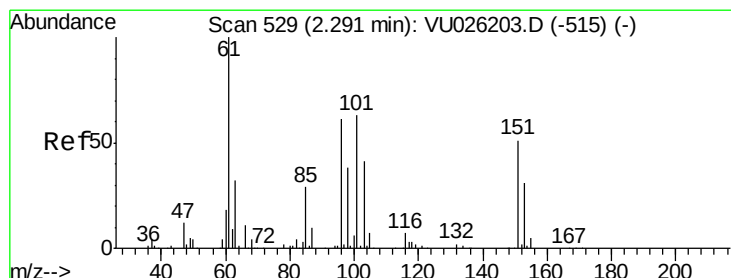
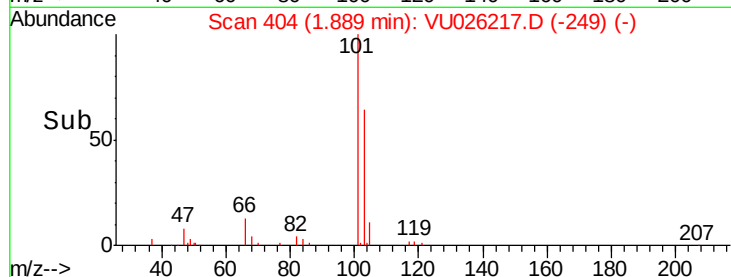
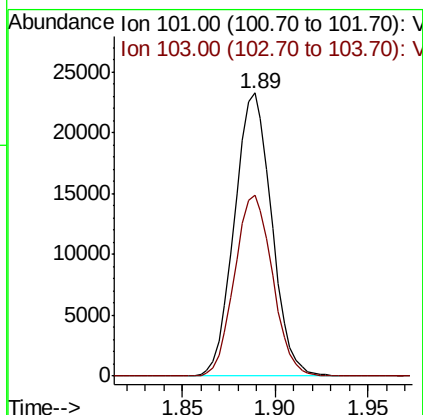
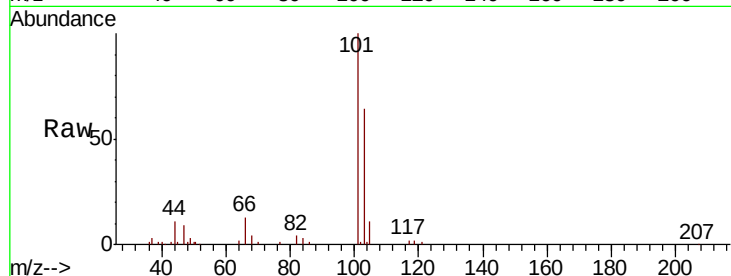


#7

Trichlorofluoromethane  
 Concen: 2.121 ug/l  
 RT: 1.89 min Scan# 404  
 Delta R.T. -0.00 min  
 Lab File: VU026217.D  
 Acq: 20 Aug 2018 19:10

Instrument :  
 MSVOA\_U  
 ClientSampleId :

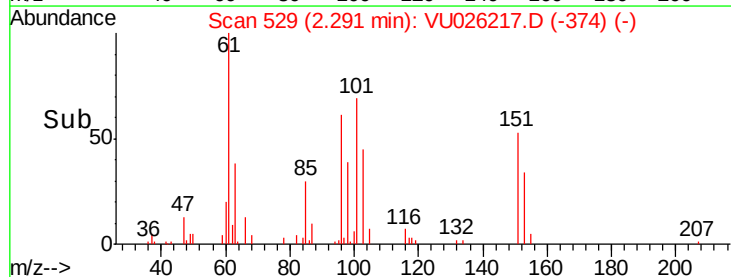
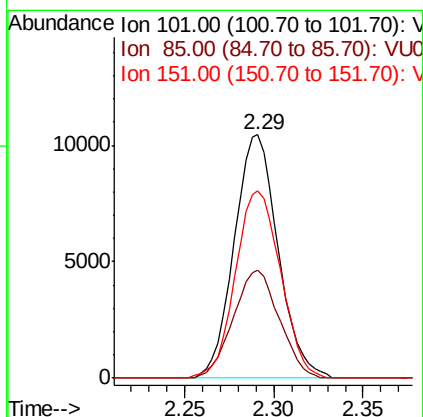
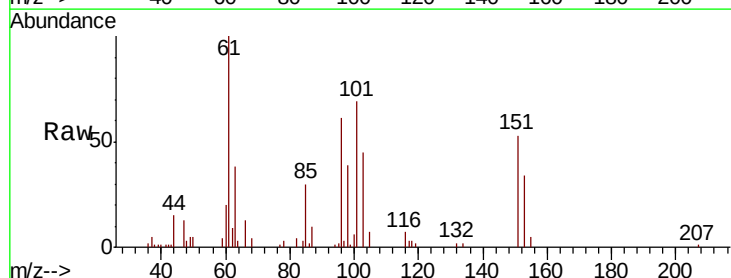
Tot Ion:101 Resp: 32520  
 Ion Ratio Lower Upper  
 101 100  
 103 63.9 51.4 77.0



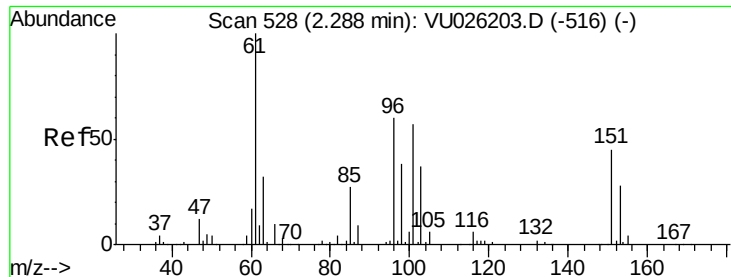
#8

1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 2.116 ug/l  
 RT: 2.29 min Scan# 529  
 Delta R.T. -0.00 min  
 Lab File: VU026217.D  
 Acq: 20 Aug 2018 19:10

Tgt Ion:101 Resp: 17990  
 Ion Ratio Lower Upper  
 101 100  
 85 46.3 35.2 52.8  
 151 79.3 63.5 95.3







#9

1,1-Dichloroethene

Concen: 2.079 ug/l

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Instrument :  
MSVOA\_U  
ClientSampled :

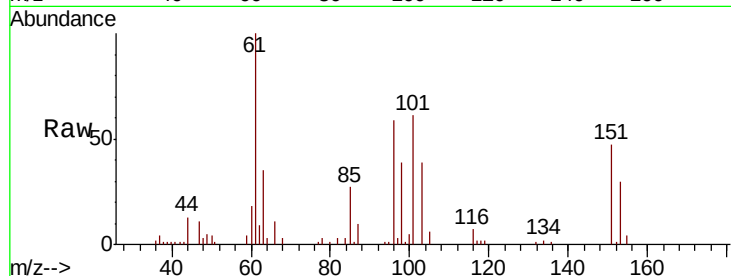
Tot Ion: 96 Resp: 15093

Ion Ratio Lower Upper

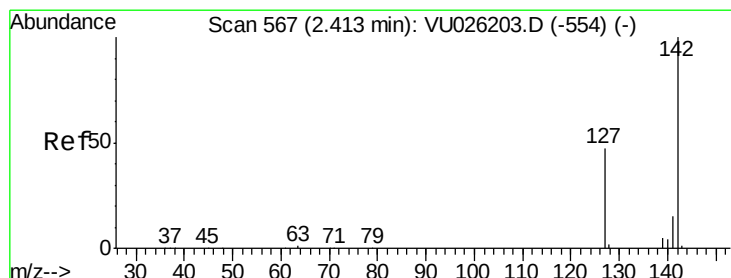
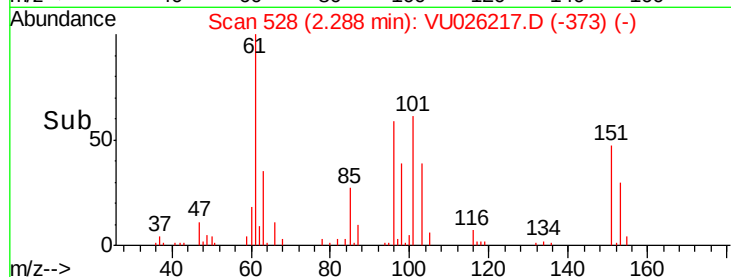
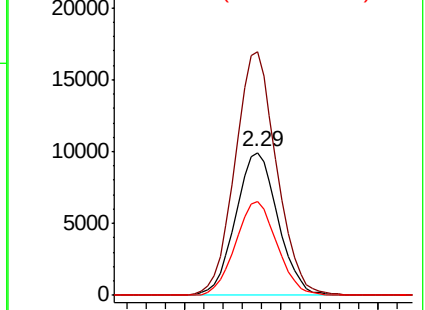
96 100

61 170.8 0.0 526.5

98 66.0 0.0 123.4



Abundance Ion 96.00 (95.70 to 96.70): VU0  
Ion 61.00 (60.70 to 61.70): VU0  
Ion 98.00 (97.70 to 98.70): VU0



#10

Iodomethane

Concen: 1.730 ug/l

RT: 2.41 min Scan# 567

Delta R.T. -0.00 min

Lab File: VU026217.D

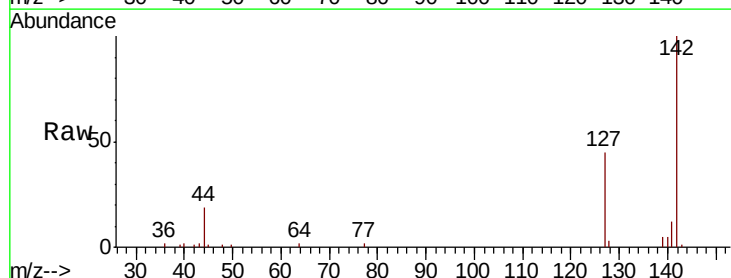
Acq: 20 Aug 2018 19:10

Tgt Ion: 142 Resp: 17434

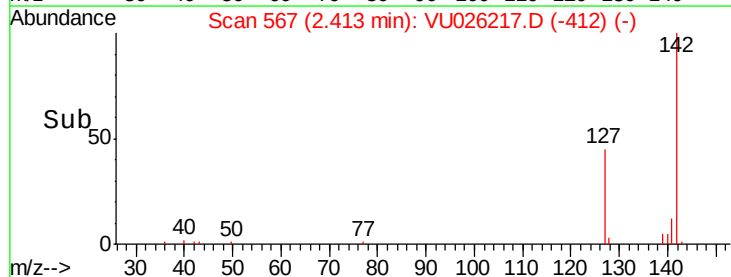
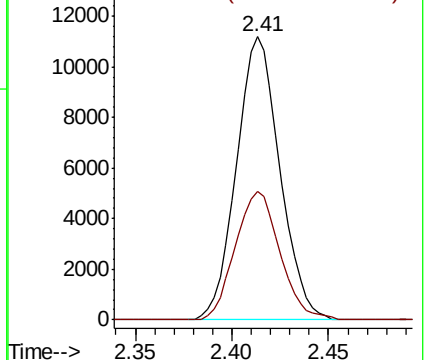
Ion Ratio Lower Upper

142 100

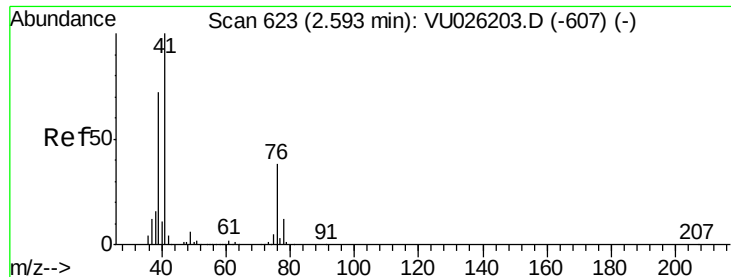
127 46.6 34.5 51.7



Abundance Ion 142.00 (141.70 to 142.70): V  
Ion 127.00 (126.70 to 127.70): V



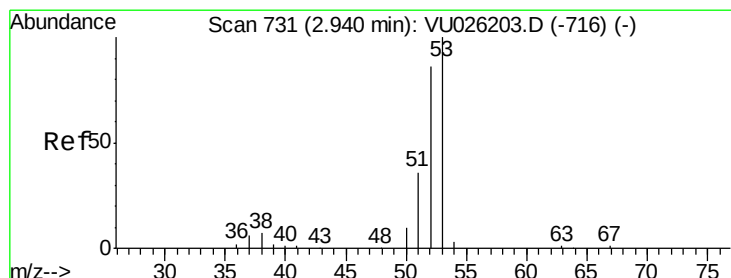
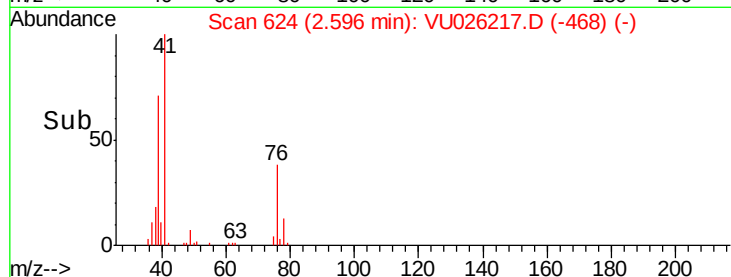
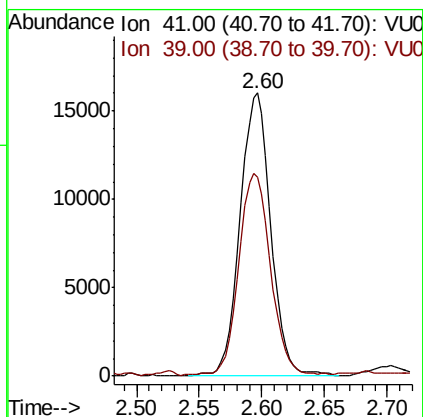
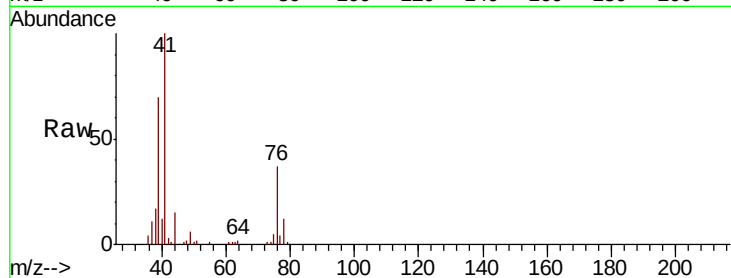




#11  
 Allvl Chloride  
 Concen: 2.239 ug/l  
 RT: 2.60 min Scan# 624  
 Delta R.T. 0.00 min  
 Lab File: VU026217.D  
 Acq: 20 Aug 2018 19:10

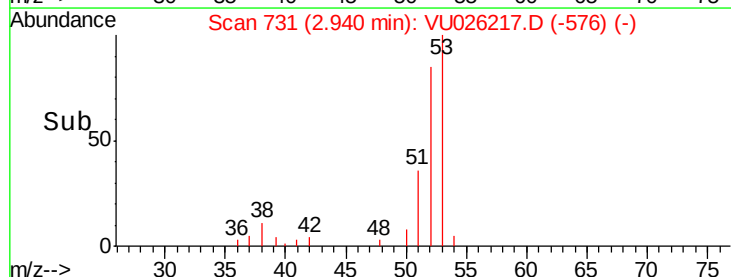
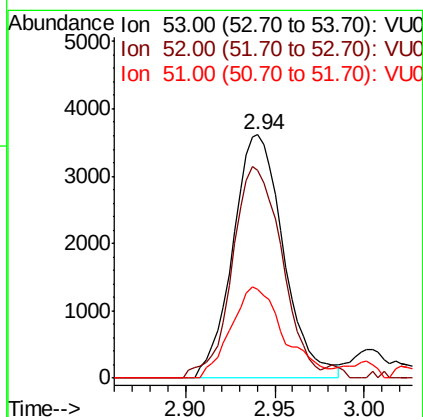
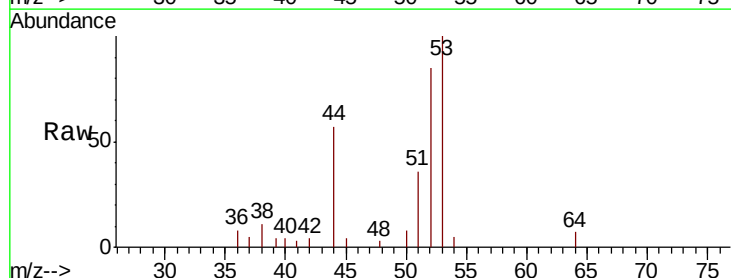
Instrument :  
 MSVOA\_U  
 ClientSampled :

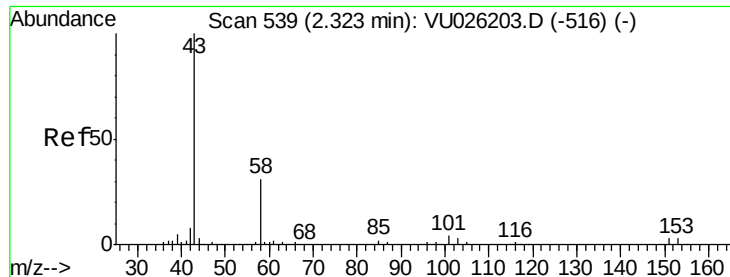
Tot Ion: 41 Resp: 27325  
 Ion Ratio Lower Upper  
 41 100  
 39 75.1 51.4 77.2



#12  
 Acrylonitrile  
 Concen: 4.346 ug/l  
 RT: 2.94 min Scan# 731  
 Delta R.T. -0.00 min  
 Lab File: VU026217.D  
 Acq: 20 Aug 2018 19:10

Tgt Ion: 53 Resp: 7151  
 Ion Ratio Lower Upper  
 53 100  
 52 85.2 65.1 97.7  
 51 39.0 30.2 45.4





#13

Acetone

Concen: 10.791 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

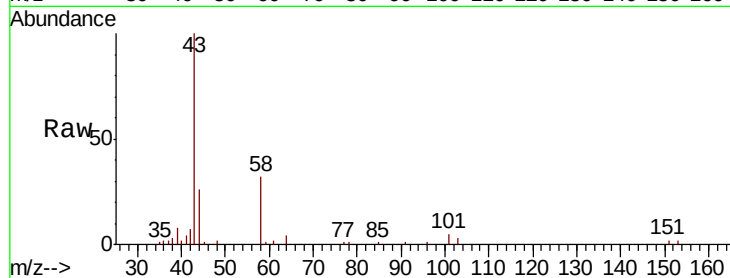
Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion: 43 Resp: 15738

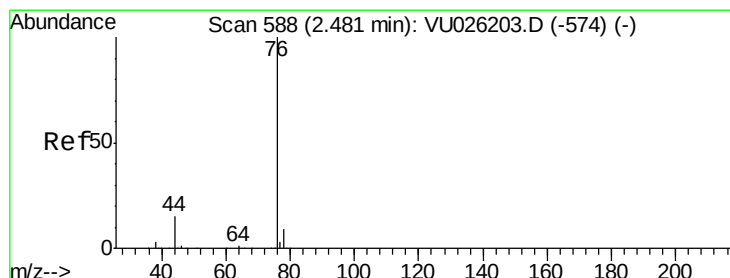
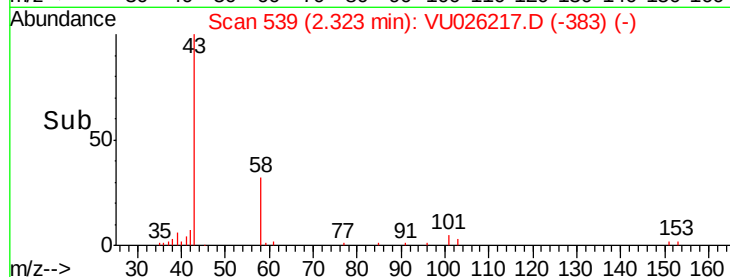
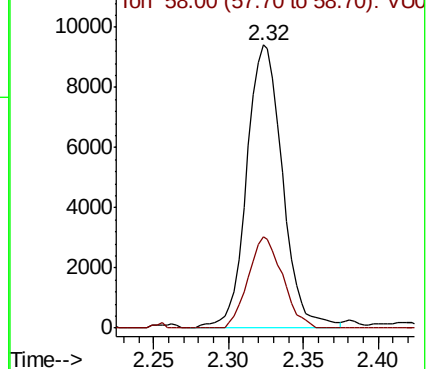
Ion Ratio Lower Upper

43 100

58 32.4 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VU026217.D (-433) (-)



#14

Carbon Disulfide

Concen: 2.087 ug/l

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU026217.D

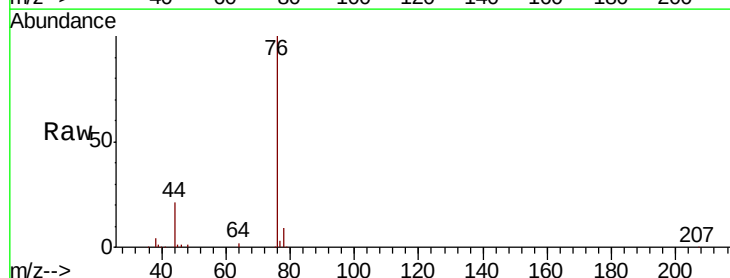
Acq: 20 Aug 2018 19:10

Tgt Ion: 76 Resp: 52369

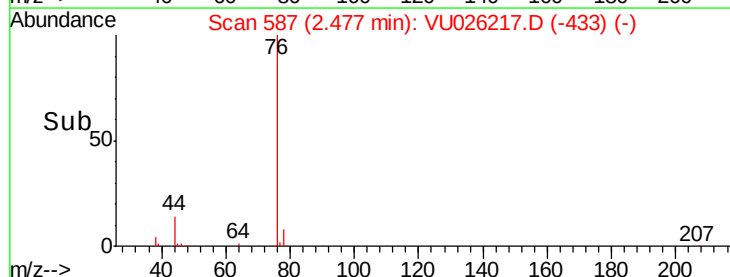
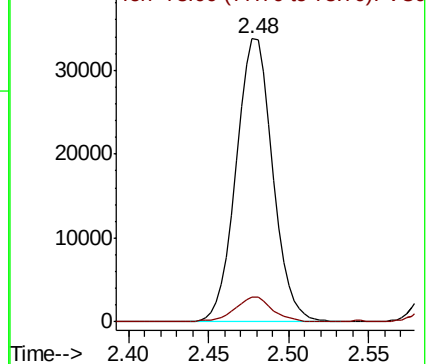
Ion Ratio Lower Upper

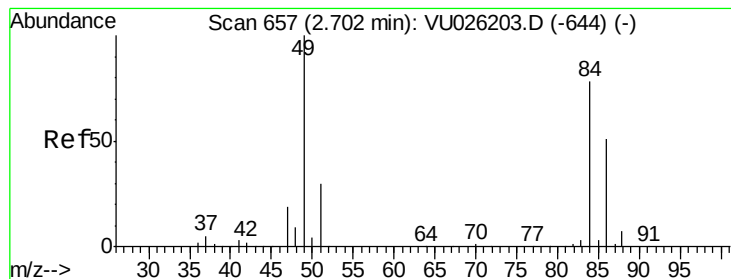
76 100

78 8.8 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU026217.D (-433) (-)





#15

Methvlene Chloride

Concen: 2.042 ug/l

RT: 2.70 min Scan# 657

Delta R.T. 0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Instrument :

MSVOA\_U

ClientSampled :

Tot Ion: 84 Resp: 18185

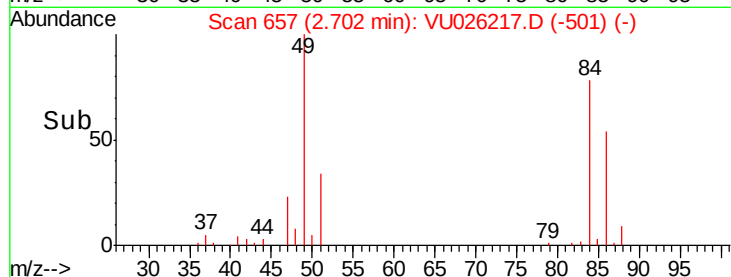
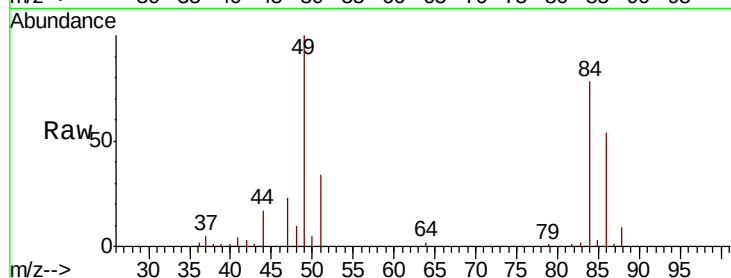
Ion Ratio Lower Upper

84 100

49 128.8 108.7 163.1

51 43.4 0.0 82.4

86 70.1 50.7 76.1

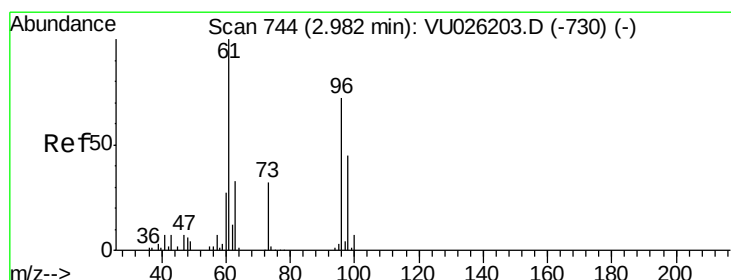
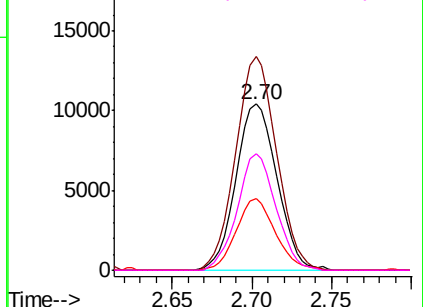


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

Ion 51.00 (50.70 to 51.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#16

trans-1,2-Dichloroethene

Concen: 2.144 ug/l

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

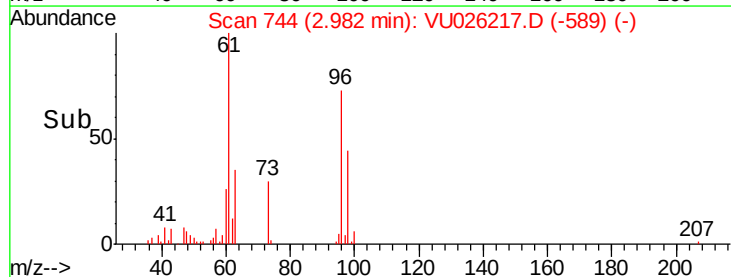
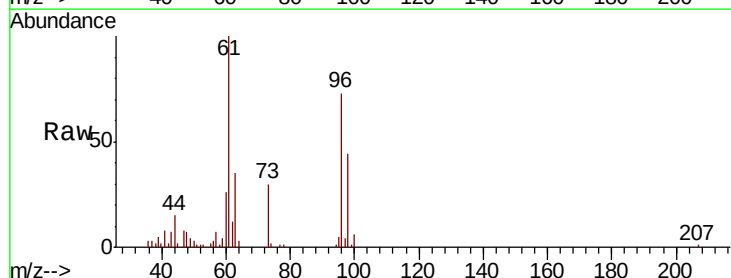
Tgt Ion: 96 Resp: 18005

Ion Ratio Lower Upper

96 100

61 137.6 123.9 185.9

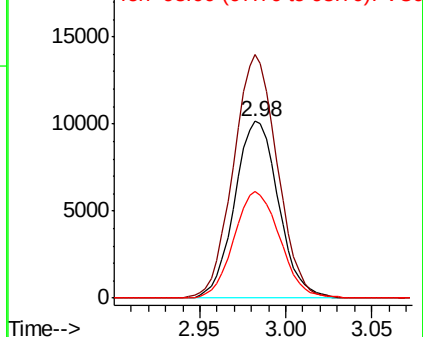
98 60.4 50.6 76.0

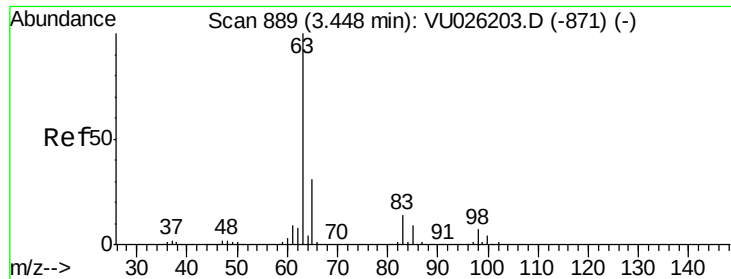


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

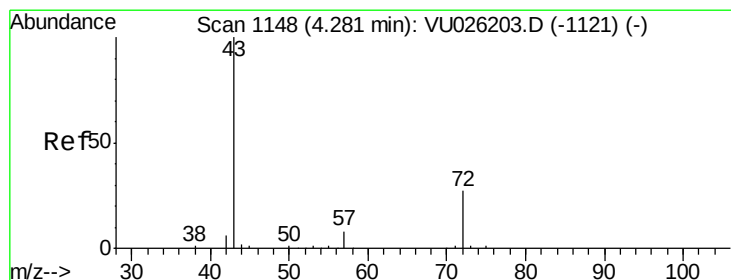
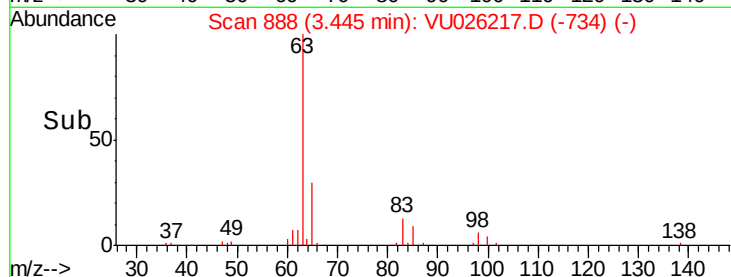
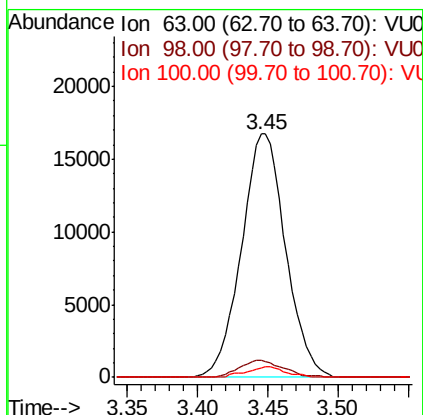
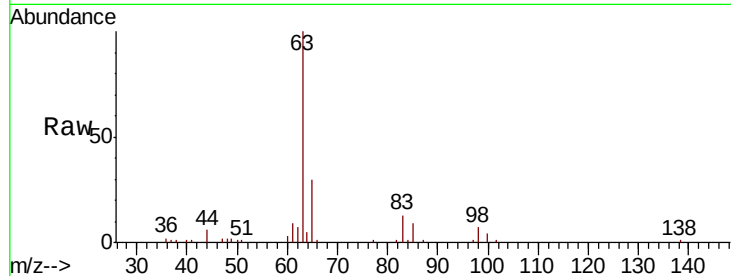




#17  
 1,1-Dichloroethane  
 Concen: 2.381 ug/l  
 RT: 3.45 min Scan# 888  
 Delta R.T. -0.00 min  
 Lab File: VU026217.D  
 Acq: 20 Aug 2018 19:10

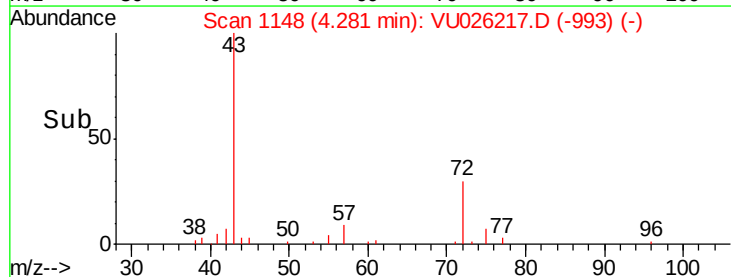
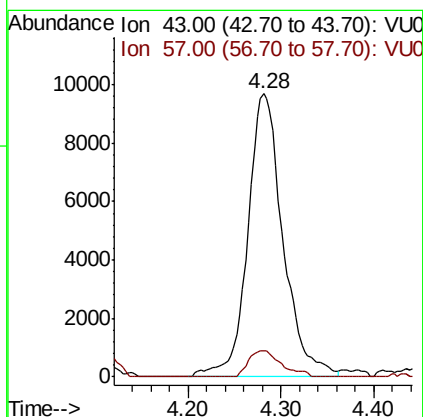
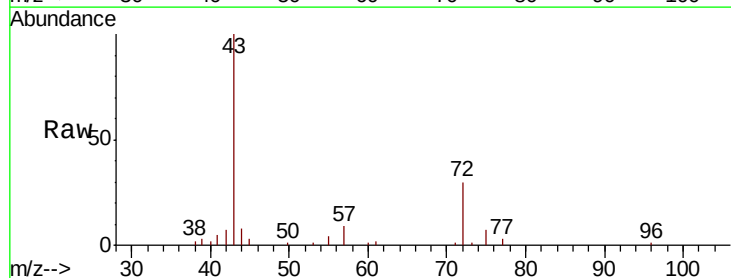
Instrument :  
 MSVOA\_U  
 ClientSampled :

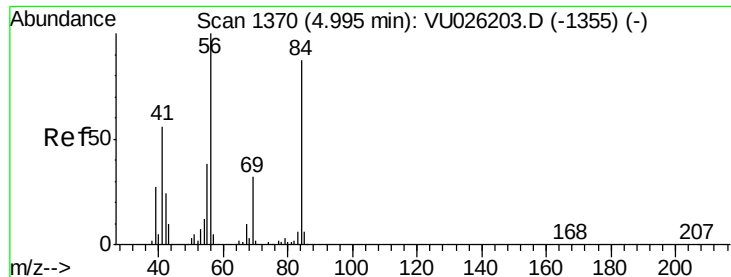
Tot Ion: 63 Resp: 36579  
 Ion Ratio Lower Upper  
 63 100  
 98 6.8 2.9 8.8  
 100 3.9 2.0 5.8



#18  
 2-Butanone  
 Concen: 10.877 ug/l  
 RT: 4.28 min Scan# 1148  
 Delta R.T. -0.00 min  
 Lab File: VU026217.D  
 Acq: 20 Aug 2018 19:10

Tgt Ion: 43 Resp: 25621  
 Ion Ratio Lower Upper  
 43 100  
 57 9.3 0.0 15.8

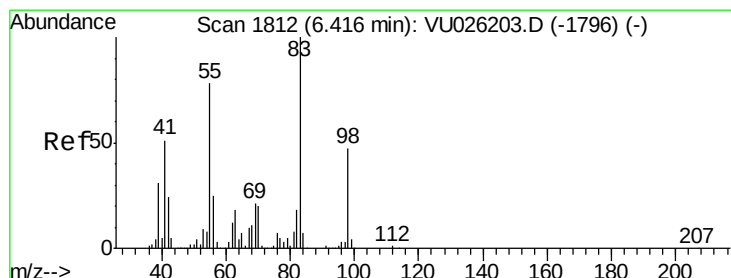
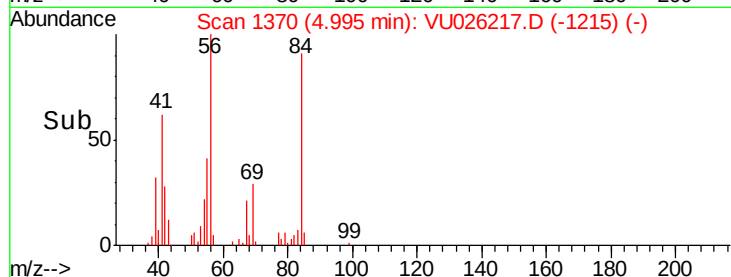
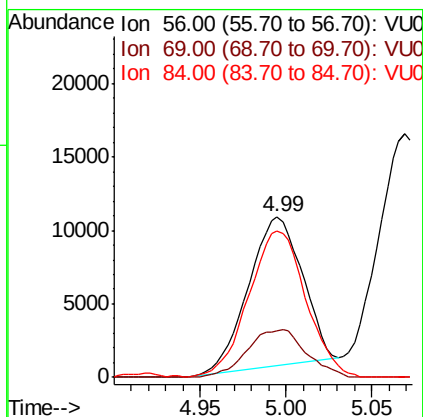
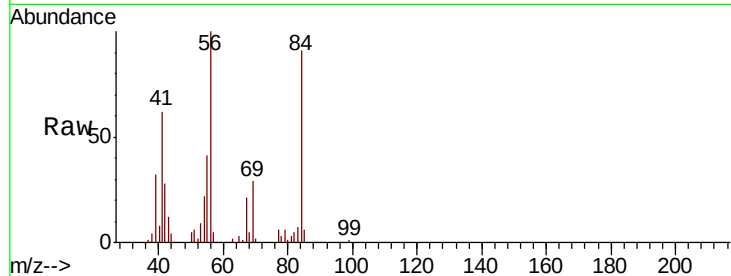




#19  
Cyclohexane  
Concen: 1.966 ug/l  
RT: 4.99 min Scan# 1370  
Delta R.T. -0.00 min  
Lab File: VU026217.D  
Acq: 20 Aug 2018 19:10

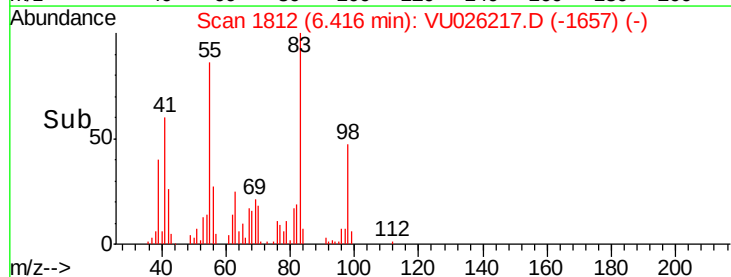
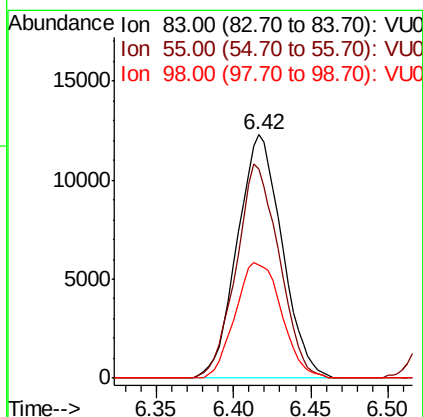
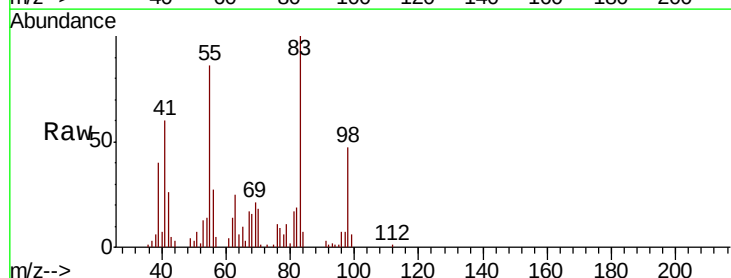
Instrument :  
MSVOA\_U  
ClientSampled :

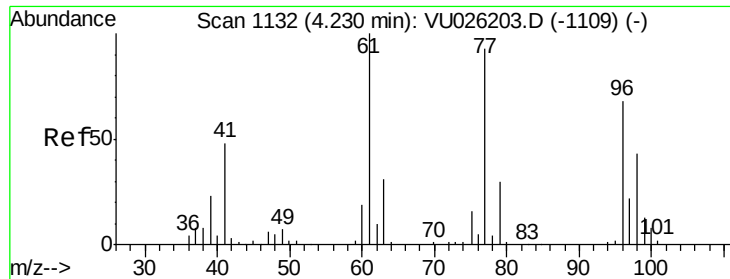
Tot Ion: 56 Resp: 22212  
Ion Ratio Lower Upper  
56 100  
69 34.8 26.0 39.0  
84 103.9 68.3 102.5#



#20  
Methylcyclohexane  
Concen: 1.872 ug/l  
RT: 6.42 min Scan# 1812  
Delta R.T. -0.00 min  
Lab File: VU026217.D  
Acq: 20 Aug 2018 19:10

Tgt Ion: 83 Resp: 24759  
Ion Ratio Lower Upper  
83 100  
55 84.1 66.4 99.6  
98 48.9 35.4 53.2

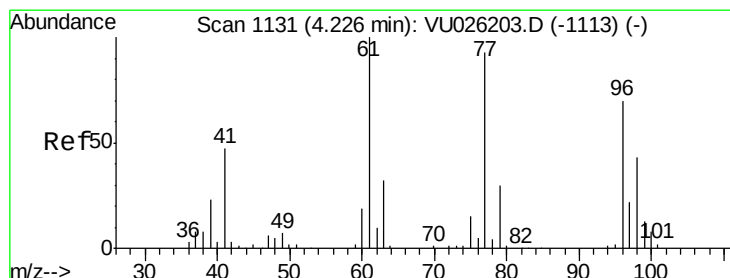
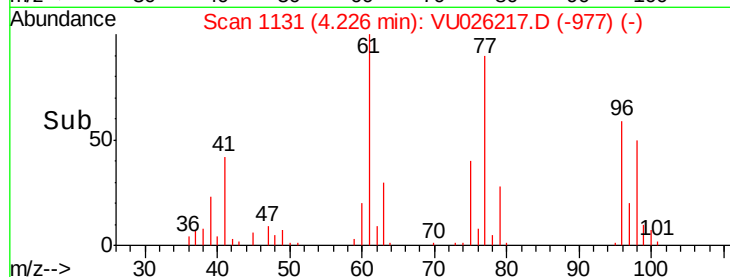
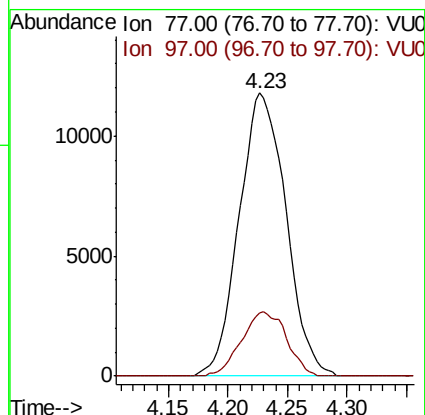
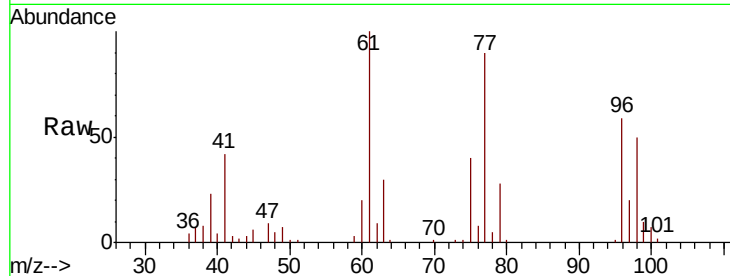




#21  
 2,2-Dichloropropane  
 Concen: 2.032 ug/l  
 RT: 4.23 min Scan# 1131  
 Delta R.T. -0.00 min  
 Lab File: VU026217.D  
 Acq: 20 Aug 2018 19:10

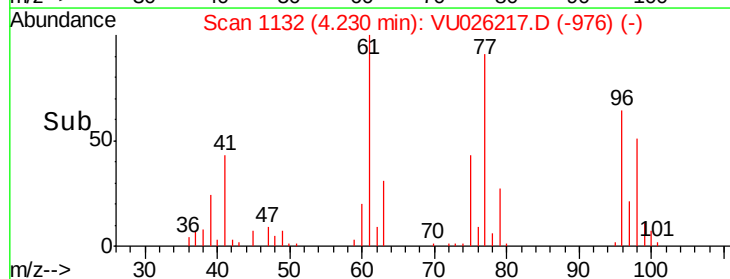
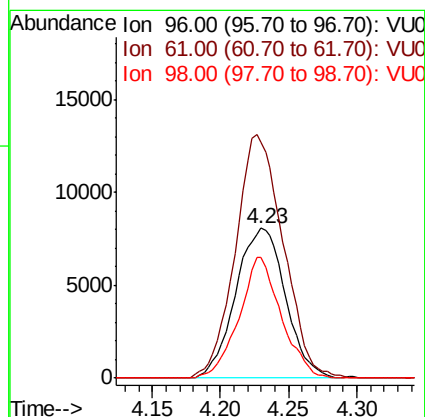
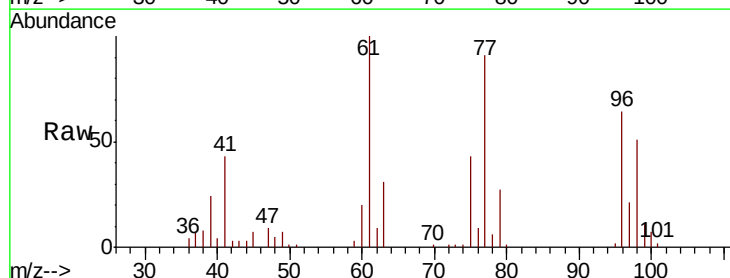
Instrument :  
 MSVOA\_U  
 ClientSampled :

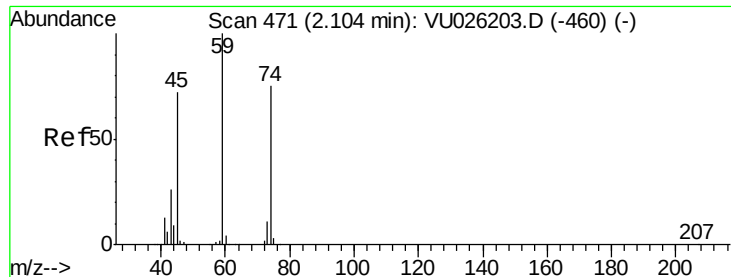
Tot Ion: 77 Resp: 32099  
 Ion Ratio Lower Upper  
 77 100  
 97 21.9 17.9 26.9



#22  
 cis-1,2-Dichloroethene  
 Concen: 2.009 ug/l  
 RT: 4.23 min Scan# 1132  
 Delta R.T. 0.00 min  
 Lab File: VU026217.D  
 Acq: 20 Aug 2018 19:10

Tgt Ion: 96 Resp: 20475  
 Ion Ratio Lower Upper  
 96 100  
 61 155.9 0.0 400.5  
 98 68.0 32.2 96.6

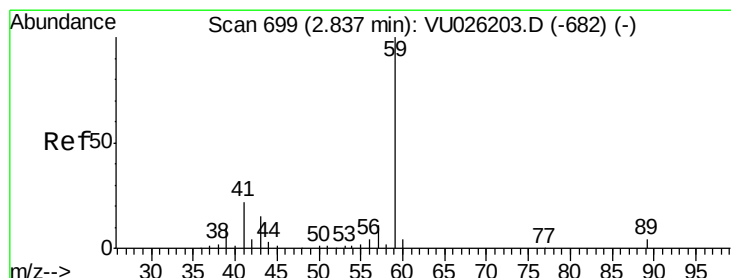
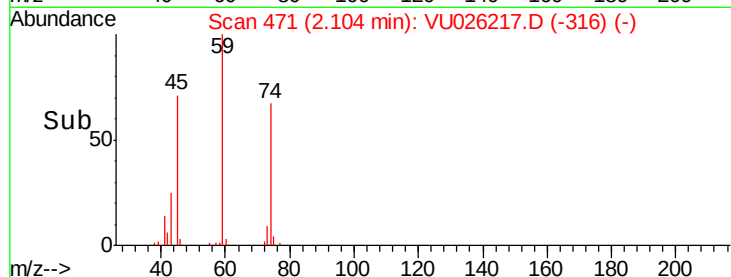
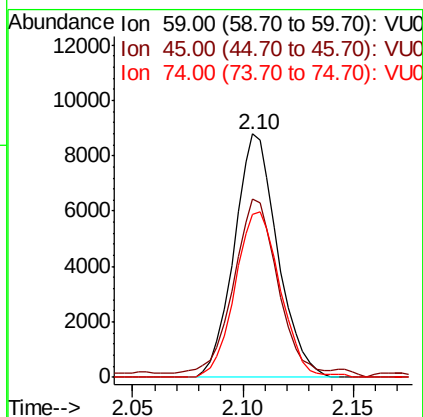
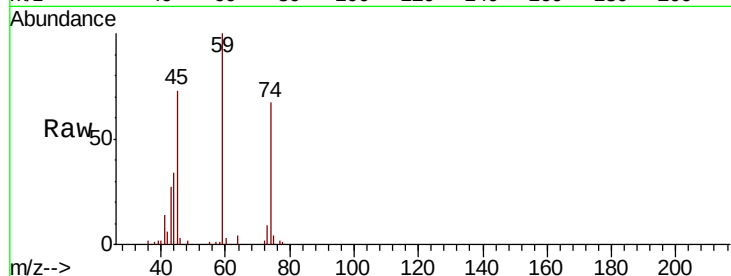




#23  
Diethyl Ether  
Concen: 2.155 ug/l  
RT: 2.10 min Scan# 471  
Delta R.T. -0.00 min  
Lab File: VU026217.D  
Acq: 20 Aug 2018 19:10

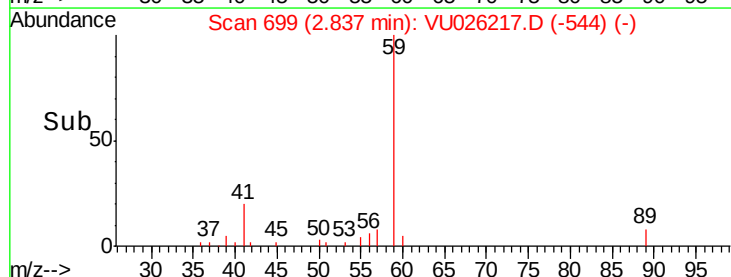
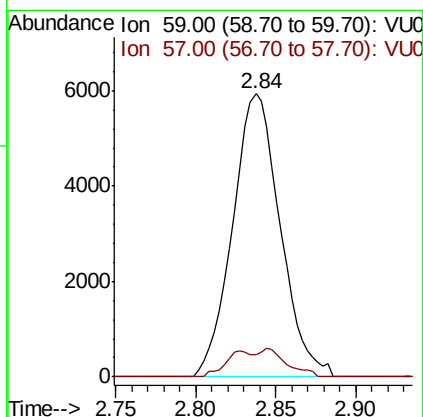
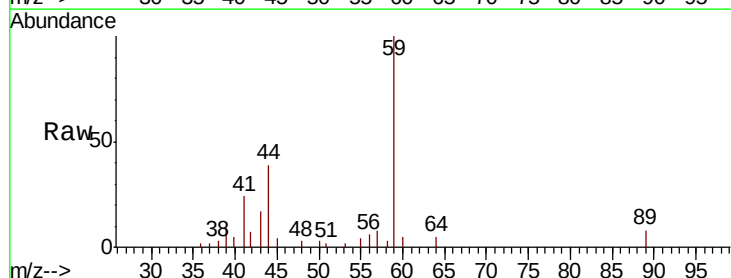
Instrument :  
MSVOA\_U  
ClientSampled :

Tot Ion: 59 Resp: 11972  
Ion Ratio Lower Upper  
59 100  
45 71.9 60.0 90.0  
74 70.8 56.5 84.7

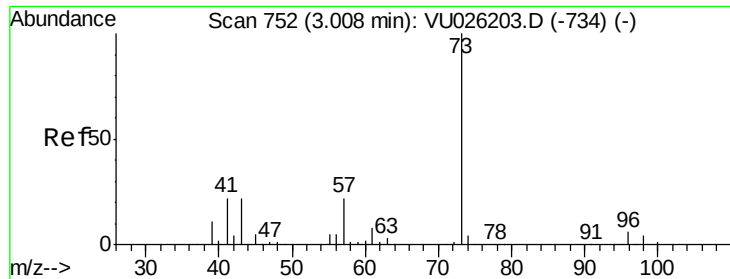


#24  
tert-Butyl Alcohol  
Concen: 21.146 ug/l  
RT: 2.84 min Scan# 699  
Delta R.T. -0.00 min  
Lab File: VU026217.D  
Acq: 20 Aug 2018 19:10

Tgt Ion: 59 Resp: 12028  
Ion Ratio Lower Upper  
59 100  
57 5.7 3.4 5.2#





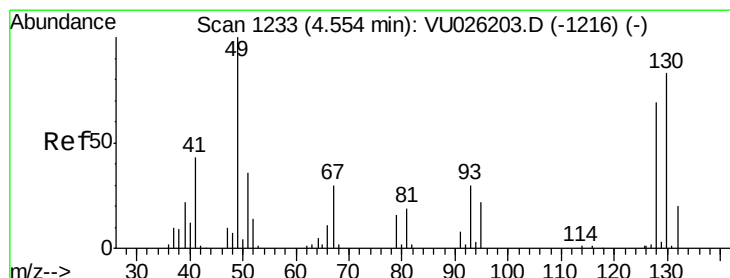
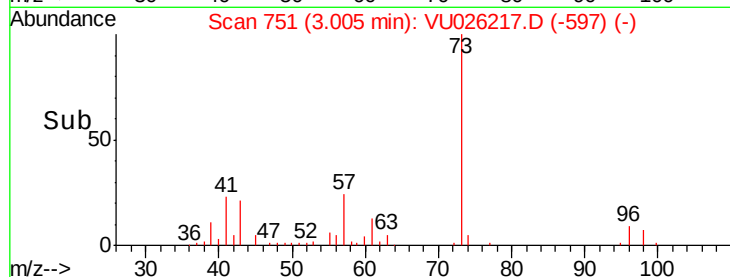
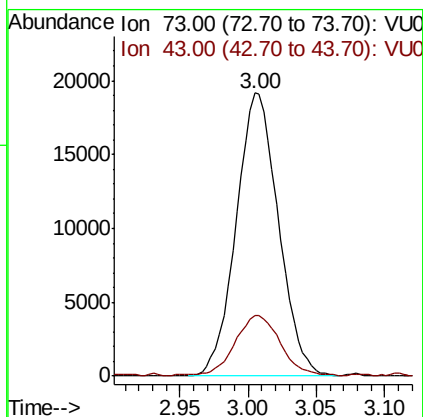
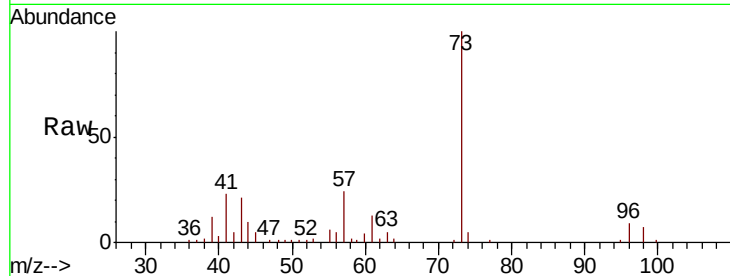


#25

Methyl tert-Butyl Ether  
 Concen: 2.179 ug/l  
 RT: 3.00 min Scan# 751  
 Delta R.T. -0.00 min  
 Lab File: VU026217.D  
 Acq: 20 Aug 2018 19:10

Instrument :  
 MSVOA\_U  
 ClientSampleId :

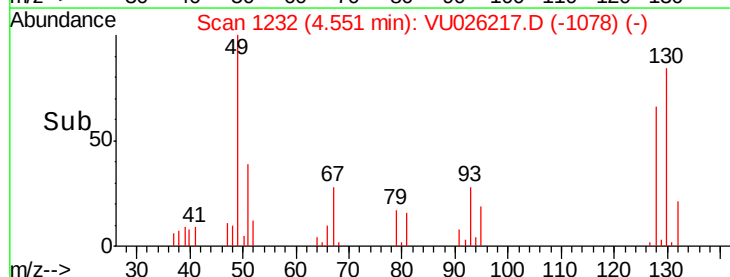
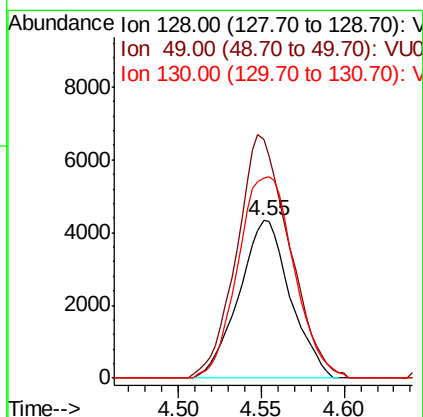
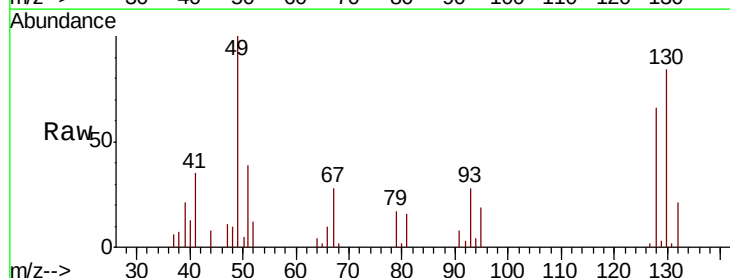
Tot Ion: 73 Resp: 41237  
 Ion Ratio Lower Upper  
 73 100  
 43 23.1 16.2 24.2

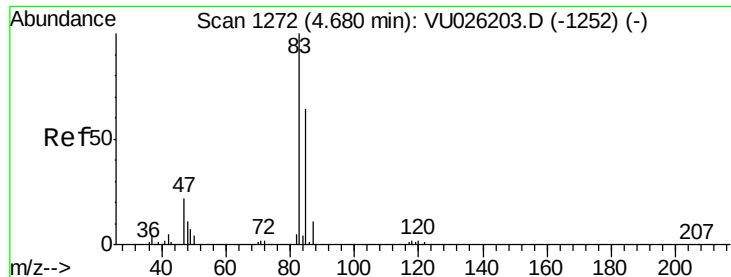


#26

Bromochloromethane  
 Concen: 2.046 ug/l  
 RT: 4.55 min Scan# 1232  
 Delta R.T. -0.00 min  
 Lab File: VU026217.D  
 Acq: 20 Aug 2018 19:10

Tgt Ion: 128 Resp: 9323  
 Ion Ratio Lower Upper  
 128 100  
 49 158.1 0.0 375.2  
 130 139.8 105.8 158.6

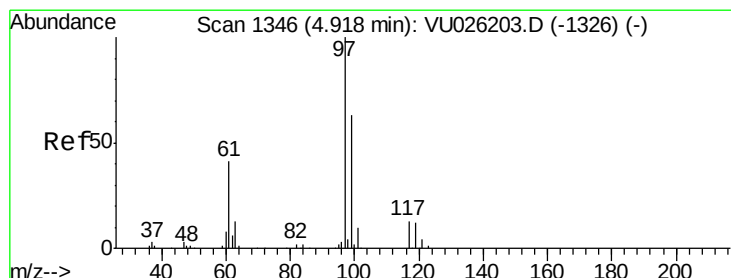
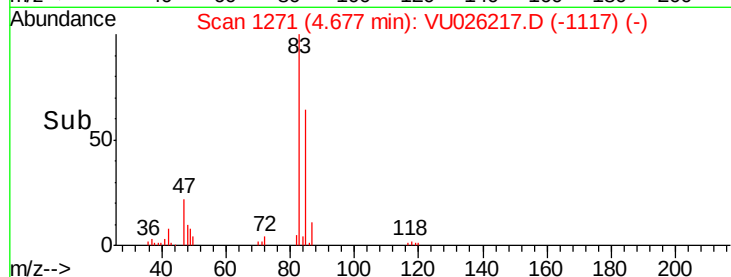
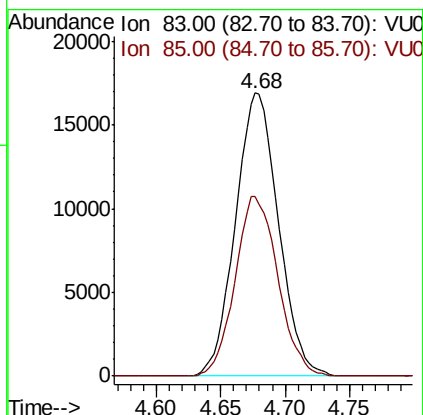
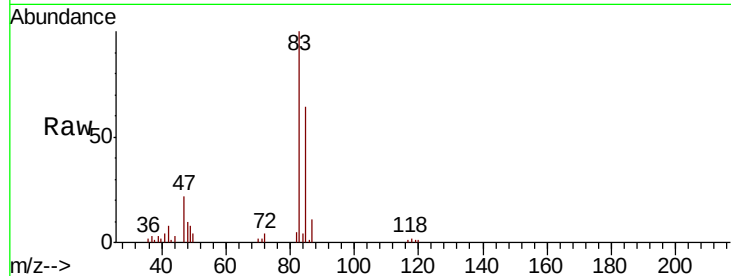




#27  
Chloroform  
Concen: 2.207 ug/l  
RT: 4.68 min Scan# 1271  
Delta R.T. -0.00 min  
Lab File: VU026217.D  
Acq: 20 Aug 2018 19:10

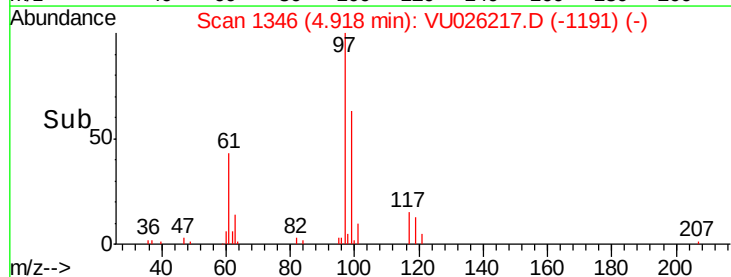
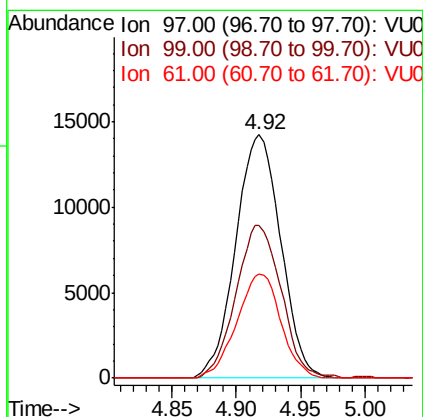
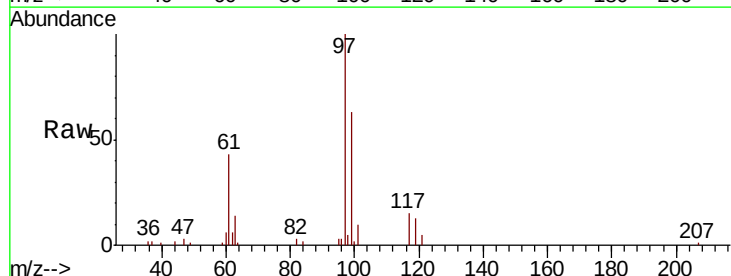
Instrument :  
MSVOA\_U  
ClientSampleId :

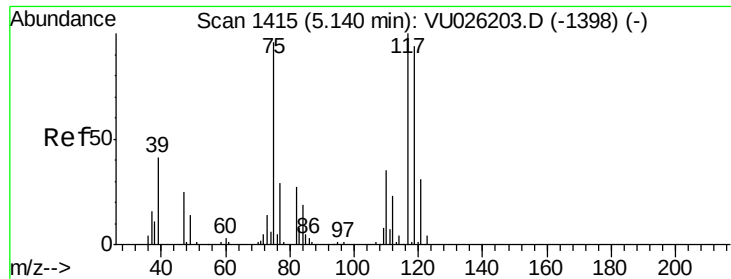
Tot Ion: 83 Resp: 39206  
Ion Ratio Lower Upper  
83 100  
85 63.7 0.0 128.4



#28  
1,1,1-Trichloroethane  
Concen: 2.192 ug/l  
RT: 4.92 min Scan# 1346  
Delta R.T. -0.00 min  
Lab File: VU026217.D  
Acq: 20 Aug 2018 19:10

Tgt Ion: 97 Resp: 34622  
Ion Ratio Lower Upper  
97 100  
99 63.0 32.3 96.9  
61 41.8 23.2 69.5

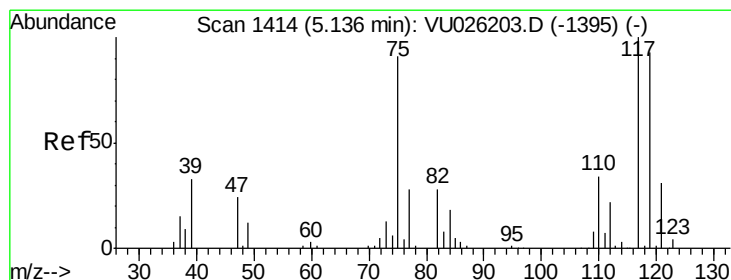
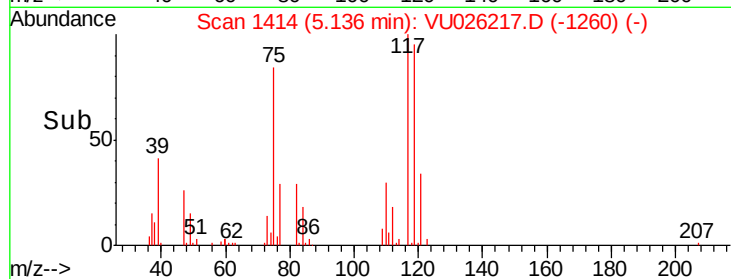
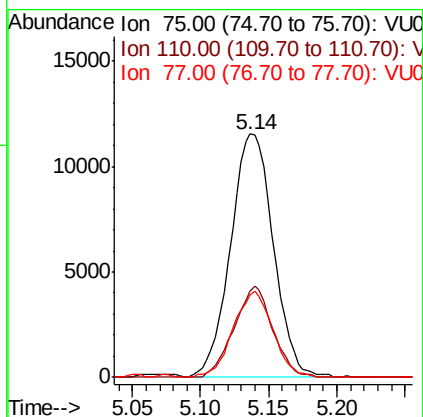
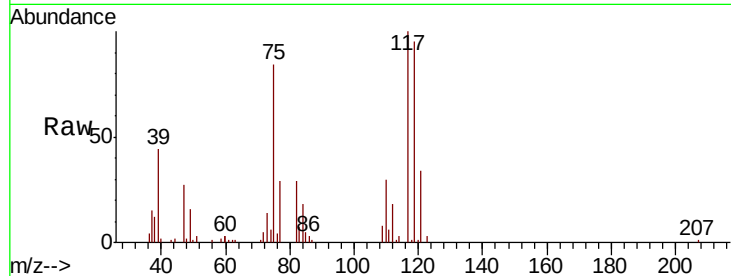




#29  
 1,1-Dichloropropene  
 Concen: 2.019 ug/l  
 RT: 5.14 min Scan# 1414  
 Delta R.T. -0.00 min  
 Lab File: VU026217.D  
 Acq: 20 Aug 2018 19:10

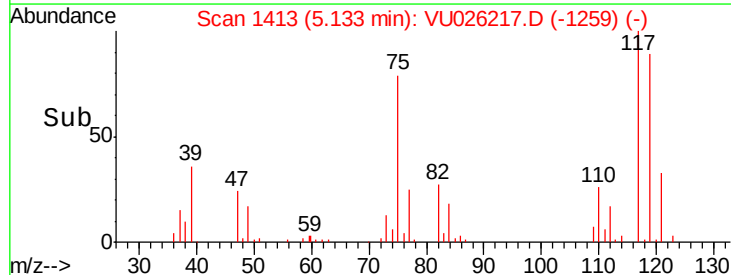
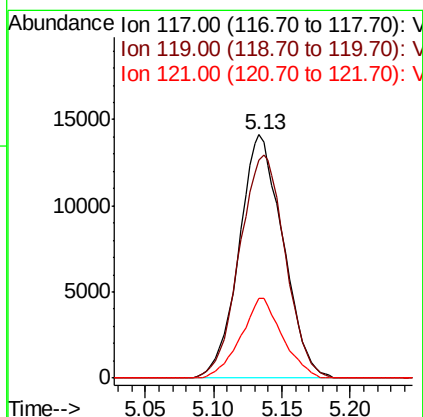
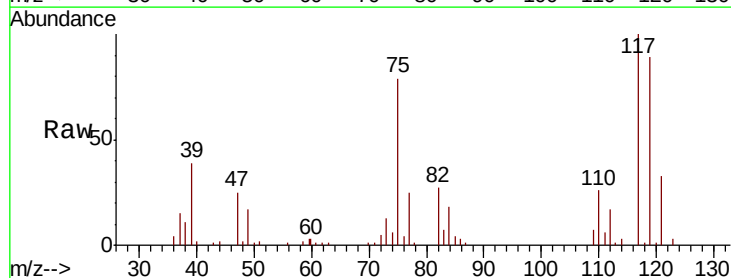
Instrument :  
 MSVOA\_U  
 ClientSampleId :

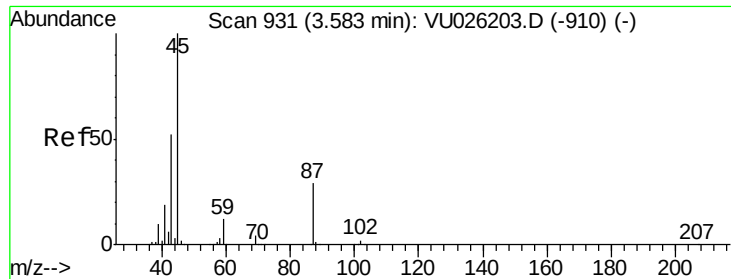
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 33.7  | 16.9  | 50.7  |
| 77      | 32.9  | 24.8  | 37.2  |



#30  
 Carbon Tetrachloride  
 Concen: 2.116 ug/l  
 RT: 5.13 min Scan# 1413  
 Delta R.T. -0.00 min  
 Lab File: VU026217.D  
 Acq: 20 Aug 2018 19:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 89.5  | 77.3  | 115.9 |
| 121     | 32.9  | 24.5  | 36.7  |





#31

Isopropyl Ether

Concen: 2.087 ug/l

RT: 3.58 min Scan# 930

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Instrument :

MSVOA\_U

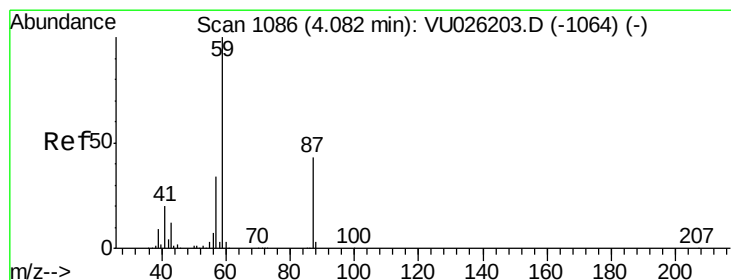
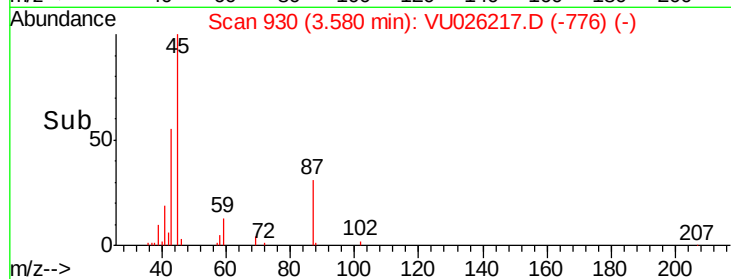
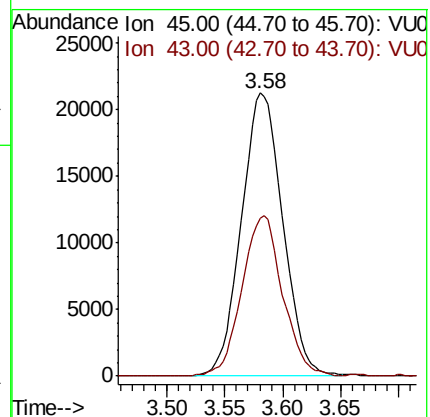
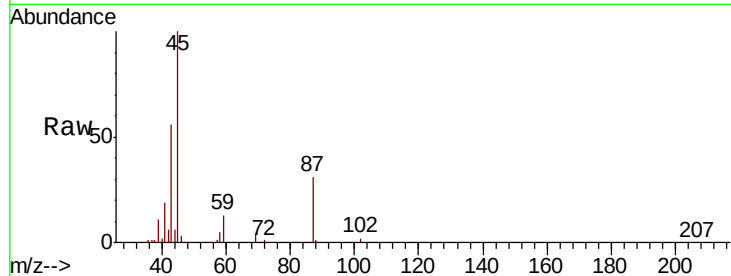
ClientSampleId :

Tot Ion: 45 Resp: 52820

Ion Ratio Lower Upper

45 100

43 55.7 24.0 72.0



#32

Ethyl-t-butyl ether

Concen: 2.024 ug/l

RT: 4.08 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VU026217.D

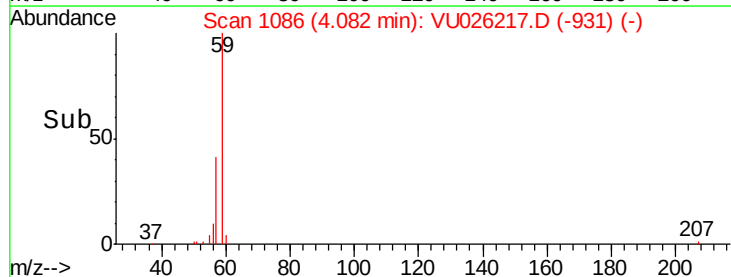
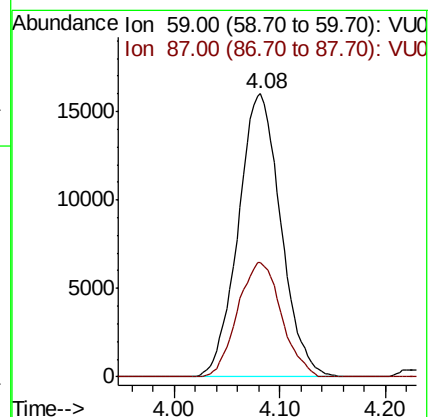
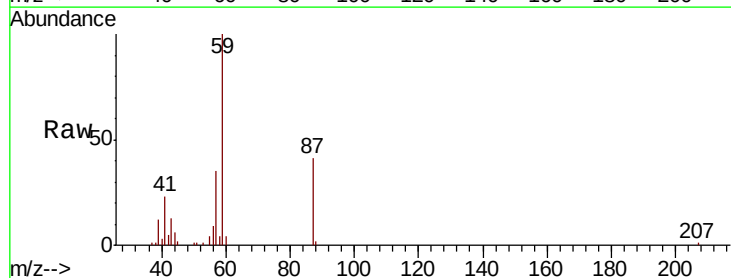
Acq: 20 Aug 2018 19:10

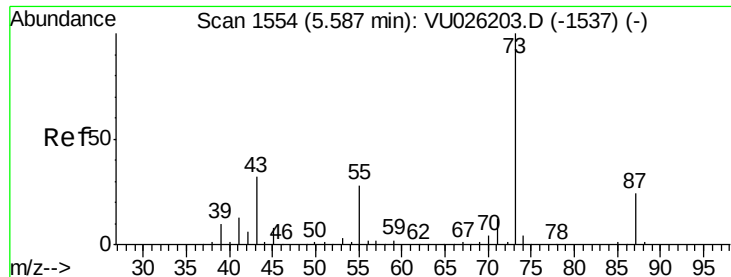
Tgt Ion: 59 Resp: 44873

Ion Ratio Lower Upper

59 100

87 41.5 31.0 46.6

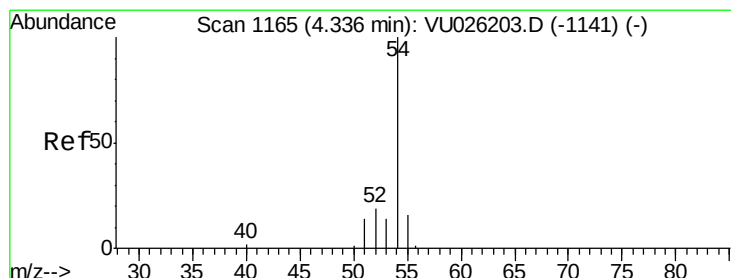
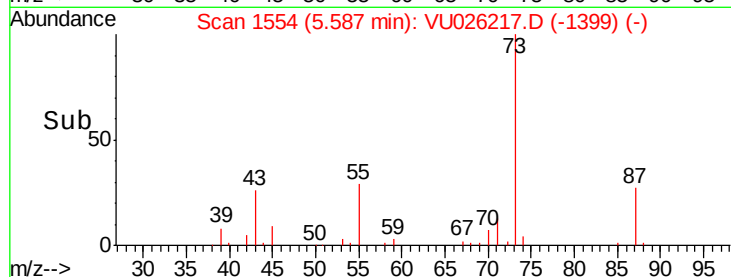
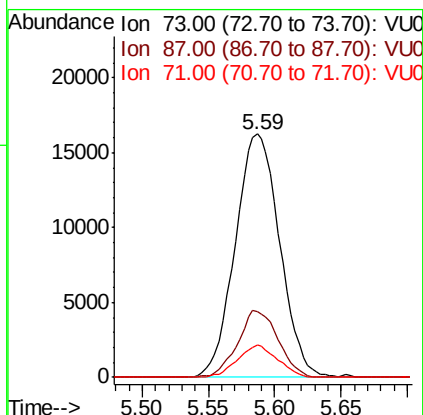
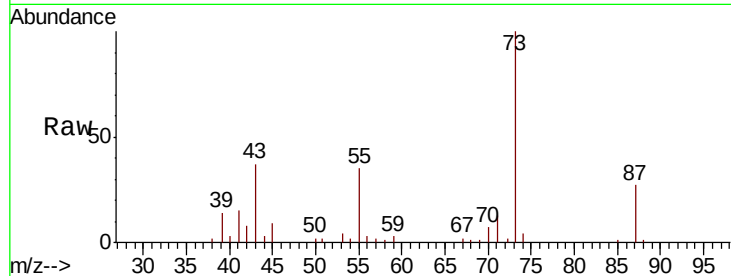




#33  
 Tert-Butyl methyl ether  
 Concen: 1.998 ug/l  
 RT: 5.59 min Scan# 1554  
 Delta R.T. -0.00 min  
 Lab File: VU026217.D  
 Acq: 20 Aug 2018 19:10

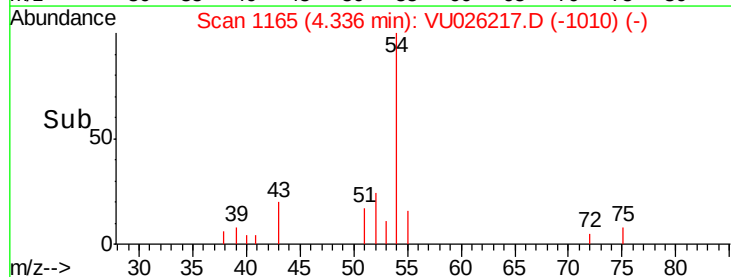
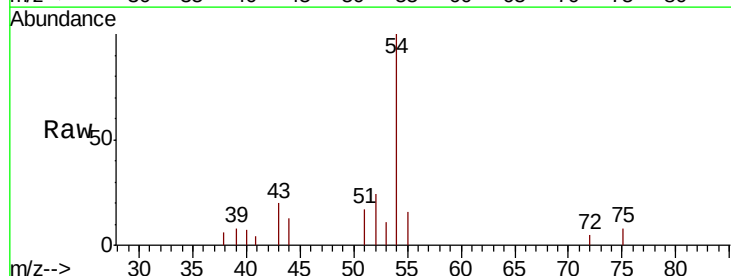
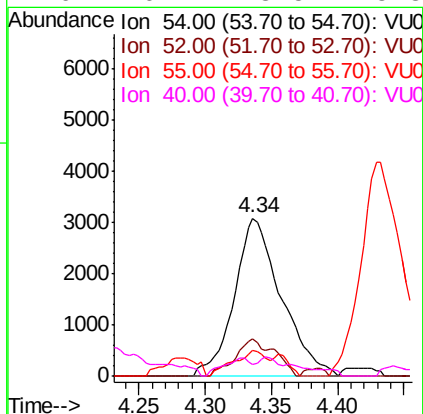
Instrument :  
 MSVOA\_U  
 ClientSampleId :

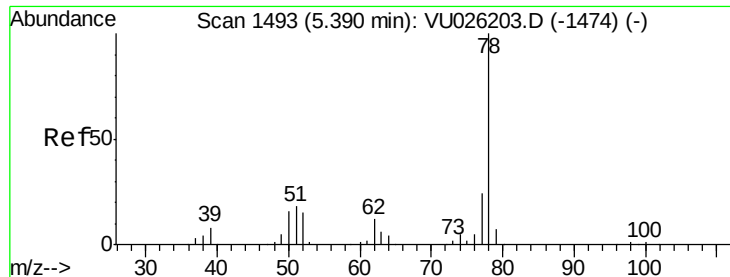
Tot Ion: 73 Resp: 37844  
 Ion Ratio Lower Upper  
 73 100  
 87 24.9 18.6 28.0  
 71 11.9 9.3 13.9



#34  
 Propionitrile  
 Concen: 11.278 ug/l  
 RT: 4.34 min Scan# 1165  
 Delta R.T. -0.00 min  
 Lab File: VU026217.D  
 Acq: 20 Aug 2018 19:10

Tgt Ion: 54 Resp: 7566  
 Ion Ratio Lower Upper  
 54 100  
 52 19.5 13.7 20.5  
 55 11.3 10.2 15.2  
 40 6.7 3.5 5.3#





#35

Benzene

Concen: 2.102 ug/l

RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

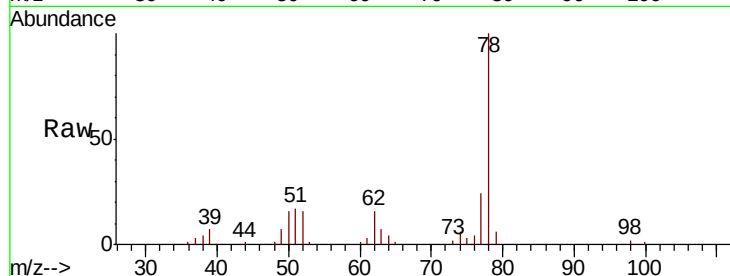
Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion: 78 Resp: 75709

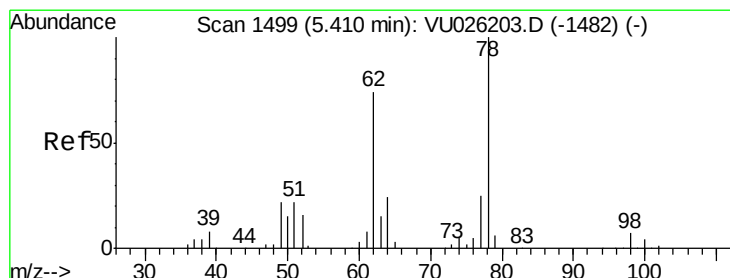
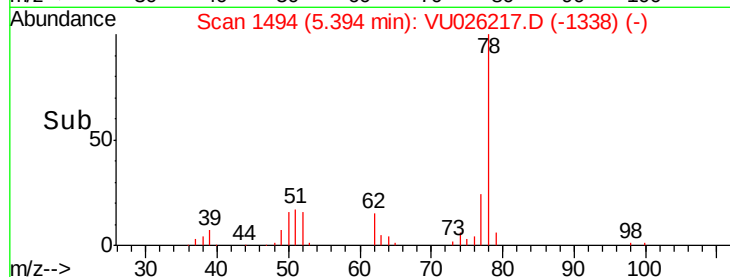
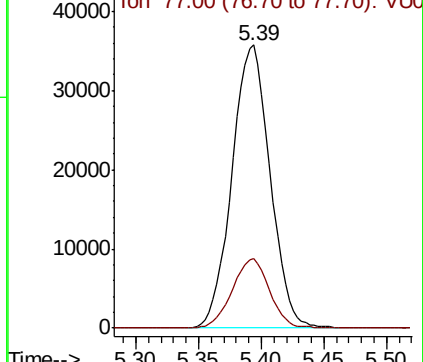
Ion Ratio Lower Upper

78 100

77 24.5 19.1 28.7



Abundance Ion 78.10 (77.80 to 78.80): VU026217.D (-1338) (-)



#36

1,2-Dichloroethane

Concen: 2.226 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. -0.00 min

Lab File: VU026217.D

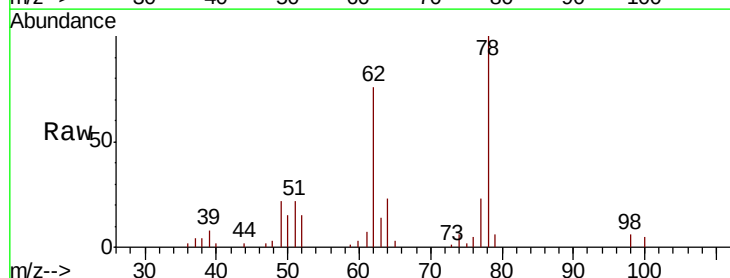
Acq: 20 Aug 2018 19:10

Tgt Ion: 62 Resp: 24854

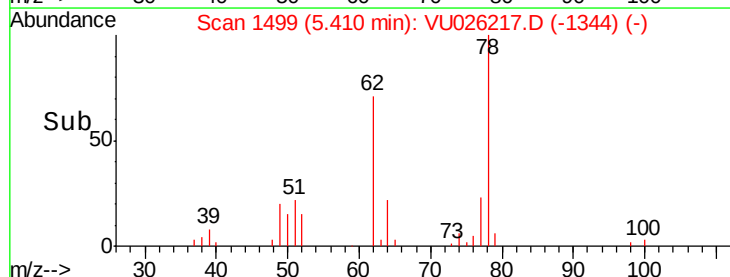
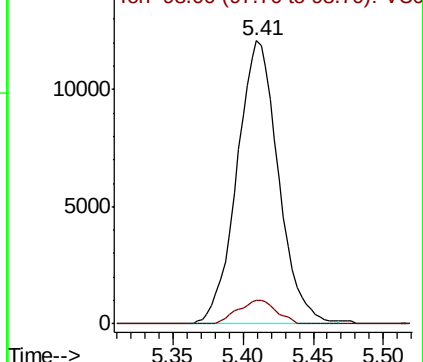
Ion Ratio Lower Upper

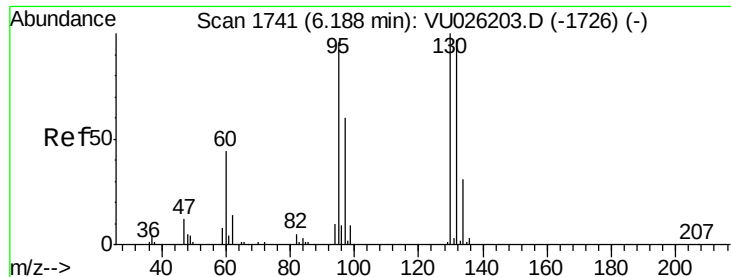
62 100

98 7.7 7.2 10.8



Abundance Ion 62.00 (61.70 to 62.70): VU026217.D (-1344) (-)

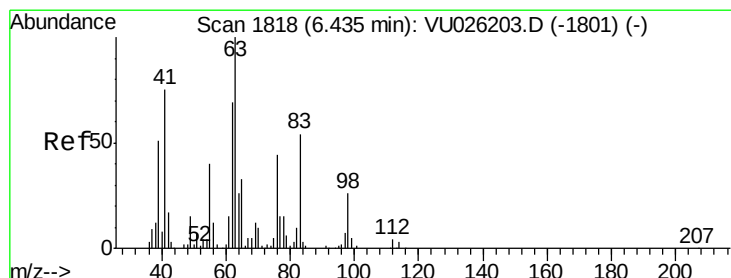
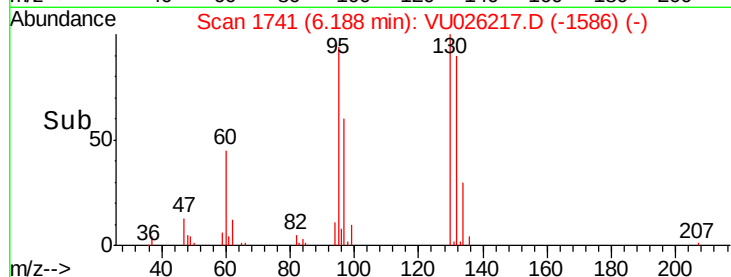
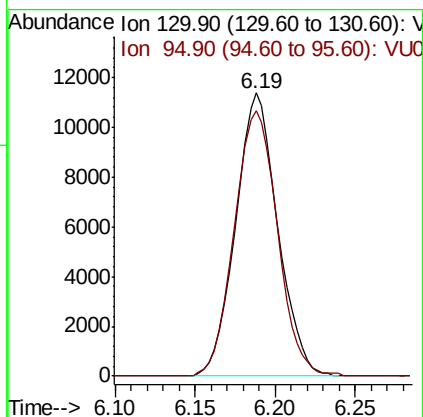
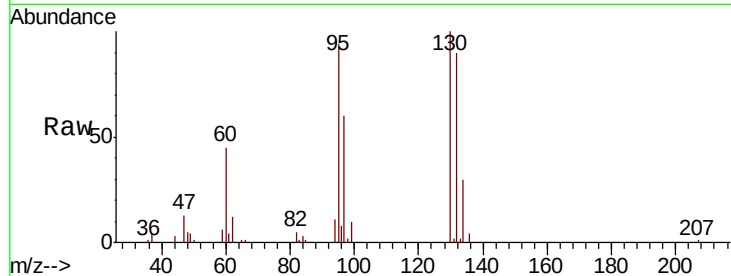




#37  
 Trichloroethene  
 Concen: 2.011 ug/l  
 RT: 6.19 min Scan# 1741  
 Delta R.T. -0.00 min  
 Lab File: VU026217.D  
 Acq: 20 Aug 2018 19:10

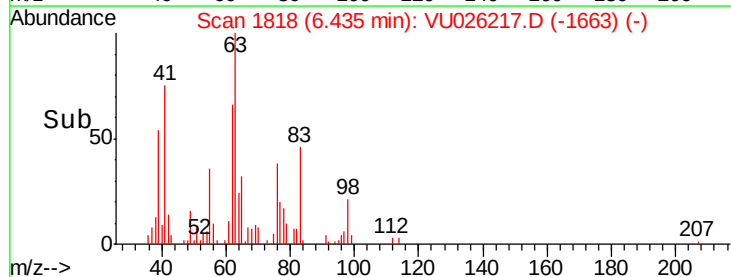
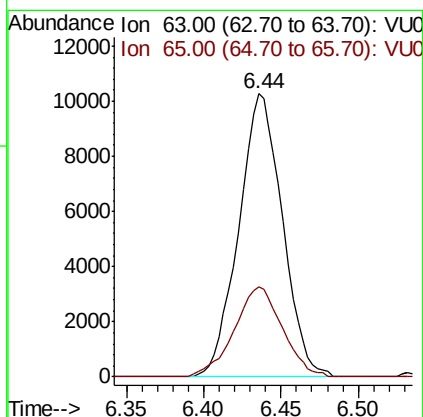
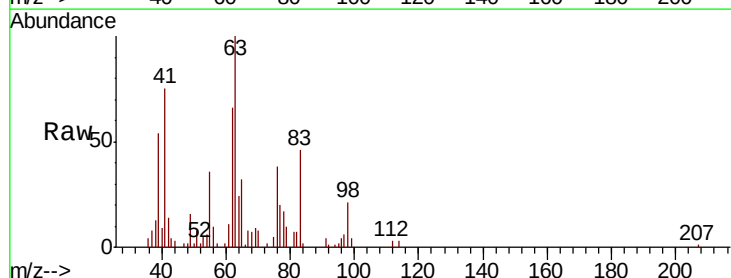
Instrument :  
 MSVOA\_U  
 ClientSampleId :

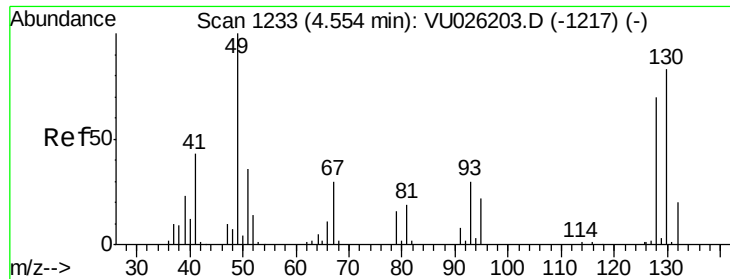
Tot Ion:130 Resp: 20374  
 Ion Ratio Lower Upper  
 130 100  
 95 93.7 77.9 116.9



#38  
 1,2-Dichloropropane  
 Concen: 2.163 ug/l  
 RT: 6.44 min Scan# 1818  
 Delta R.T. -0.00 min  
 Lab File: VU026217.D  
 Acq: 20 Aug 2018 19:10

Tgt Ion: 63 Resp: 20176  
 Ion Ratio Lower Upper  
 63 100  
 65 31.7 25.8 38.8

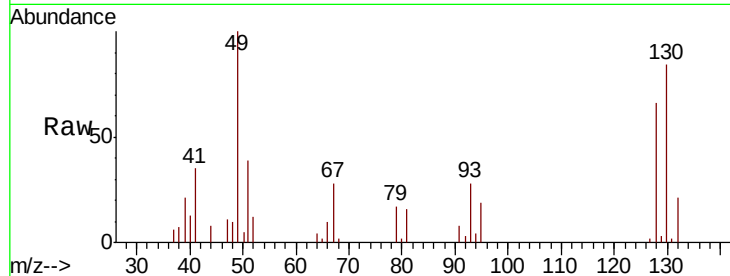




#39  
Methacrylonitrile  
Concen: 2.044 ug/l  
RT: 4.55 min Scan# 1232  
Delta R.T. -0.00 min  
Lab File: VU026217.D  
Acq: 20 Aug 2018 19:10

Instrument :  
MSVOA\_U  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 5788  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 67       | 72.1  | 51.3  | 76.9  |
| 39       | 60.7  | 40.6  | 60.8  |
| 52       | 30.7  | 21.5  | 32.3  |



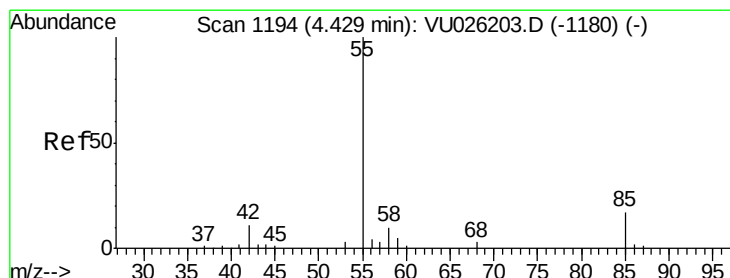
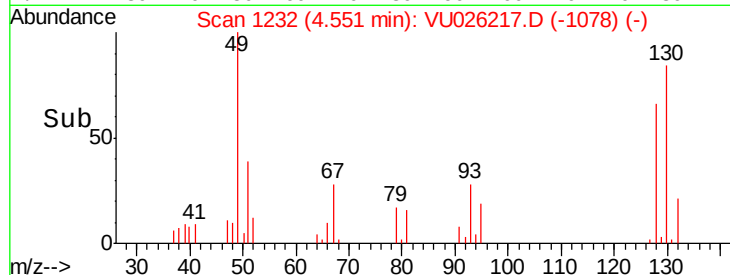
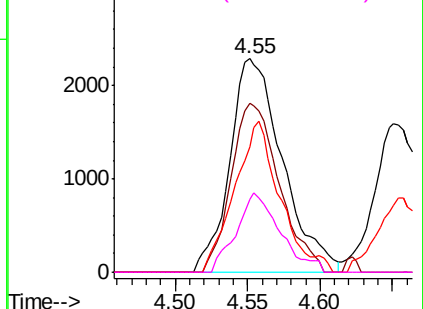
Abundance

Ion 41.00 (40.70 to 41.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

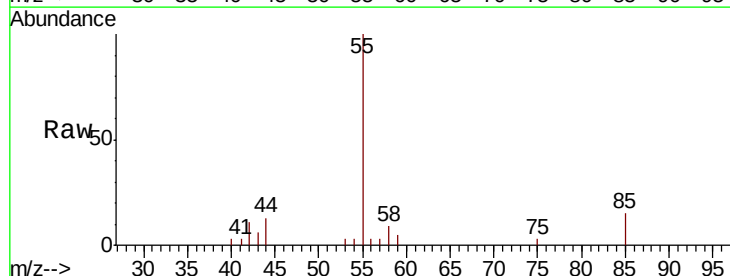
Ion 39.00 (38.70 to 39.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#40  
Methyl acrylate  
Concen: 2.128 ug/l  
RT: 4.43 min Scan# 1195  
Delta R.T. 0.00 min  
Lab File: VU026217.D  
Acq: 20 Aug 2018 19:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 55    | Resp: | 9137  |
| Ion      | Ratio | Lower | Upper |
| 55       | 100   |       |       |
| 85       | 13.0  | 12.3  | 18.5  |
| 58       | 9.7   | 7.0   | 10.6  |
| 42       | 12.0  | 7.0   | 10.4# |



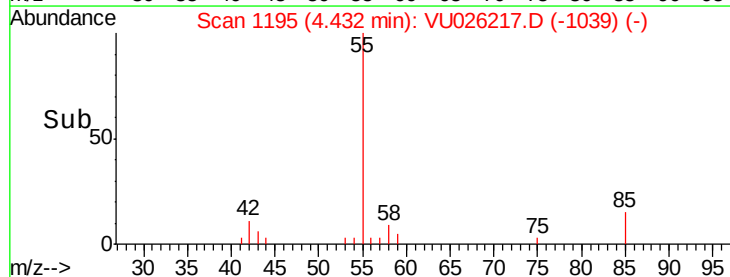
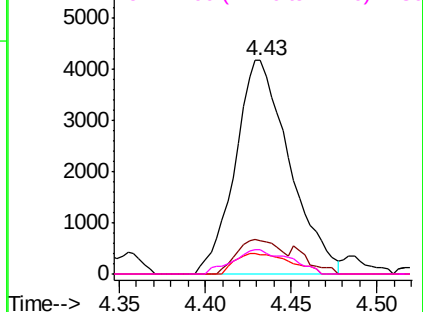
Abundance

Ion 55.00 (54.70 to 55.70): VU0

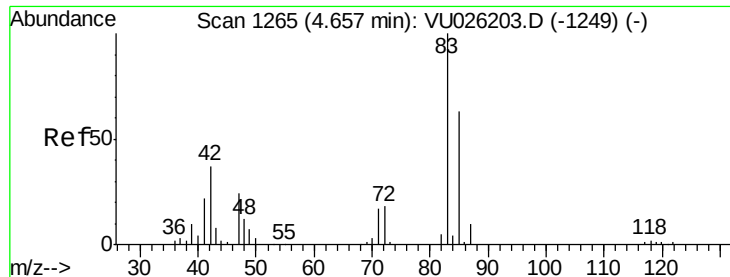
Ion 85.00 (84.70 to 85.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 42.00 (41.70 to 42.70): VU0



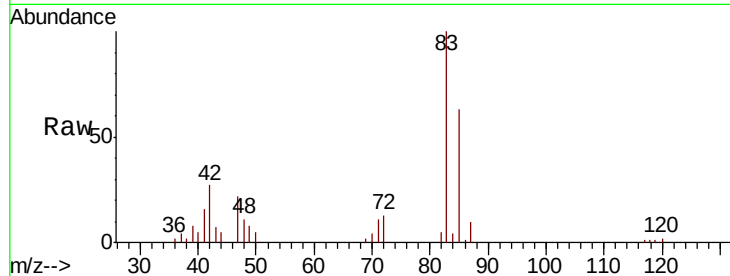




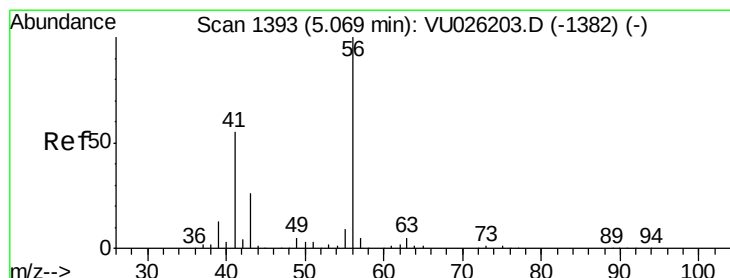
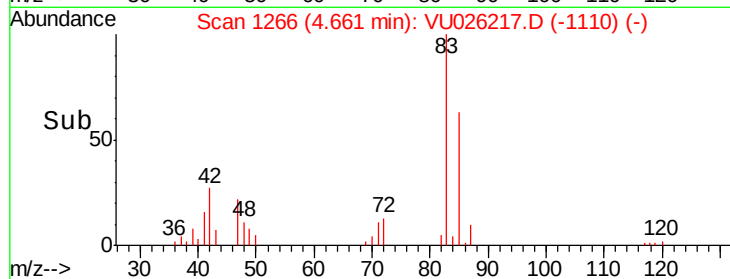
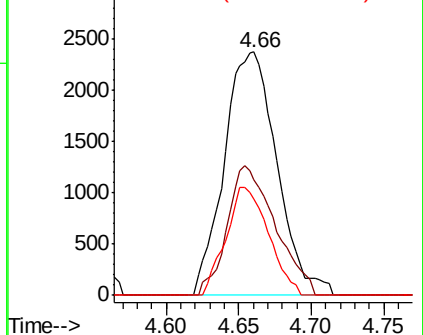
#41  
Tetrahydrofuran  
Concen: 3.803 ug/l  
RT: 4.66 min Scan# 1266  
Delta R.T. 0.00 min  
Lab File: VU026217.D  
Acq: 20 Aug 2018 19:10

Instrument :  
MSVOA\_U  
ClientSampled :

Tot Ion: 42 Resp: 5991  
Ion Ratio Lower Upper  
42 100  
72 48.4 33.2 49.8  
71 35.8 29.8 44.8

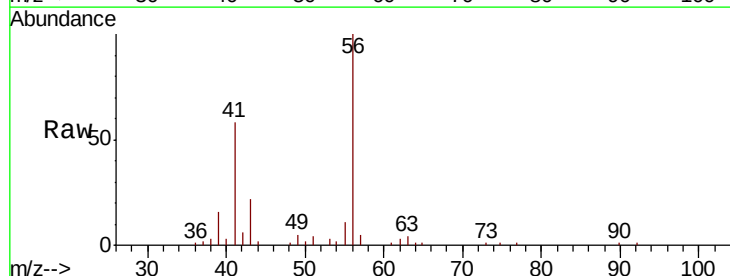


Abundance Ion 42.00 (41.70 to 42.70): VU0  
Ion 72.00 (71.70 to 72.70): VU0  
Ion 71.00 (70.70 to 71.70): VU0

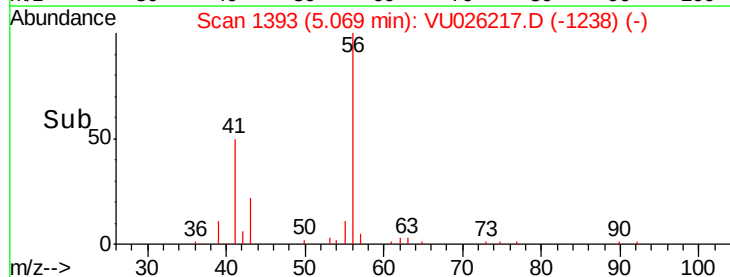
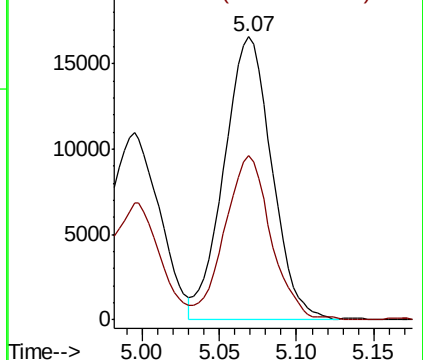


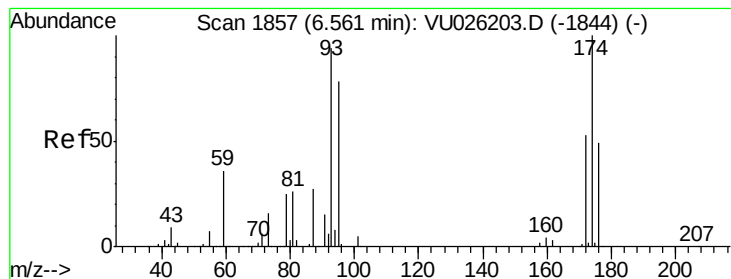
#42  
1-Chlorobutane  
Concen: 2.113 ug/l  
RT: 5.07 min Scan# 1393  
Delta R.T. -0.00 min  
Lab File: VU026217.D  
Acq: 20 Aug 2018 19:10

Tgt Ion: 56 Resp: 35614  
Ion Ratio Lower Upper  
56 100  
41 55.9 27.5 82.5



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





#43

Dibromomethane

Concen: 2.199 ug/l

RT: 6.56 min Scan# 1857

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Instrument :

MSVOA\_U

ClientSampleId :

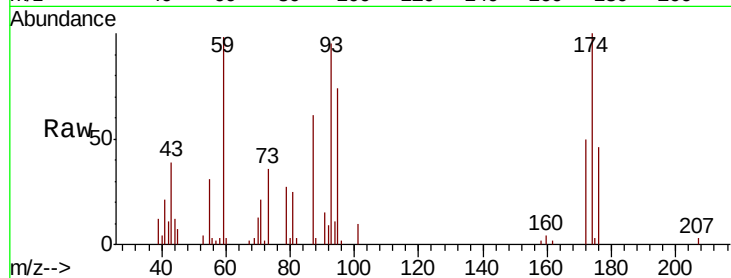
Tot Ion: 93 Resp: 10898

Ion Ratio Lower Upper

93 100

95 79.5 67.2 100.8

174 105.4 82.8 124.2

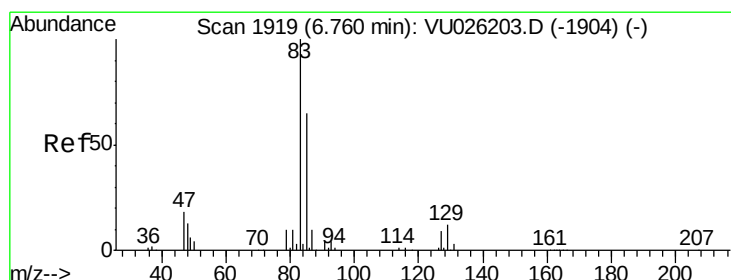
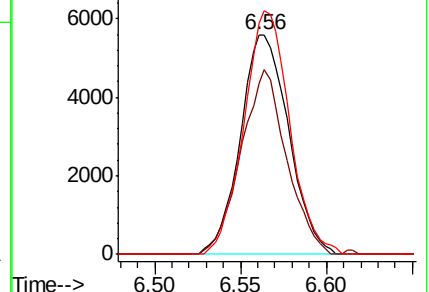
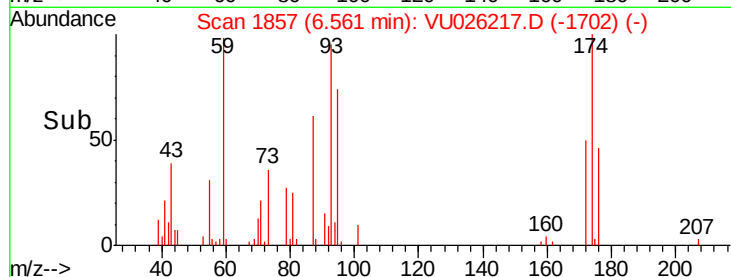


Abundance

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: 2.156 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

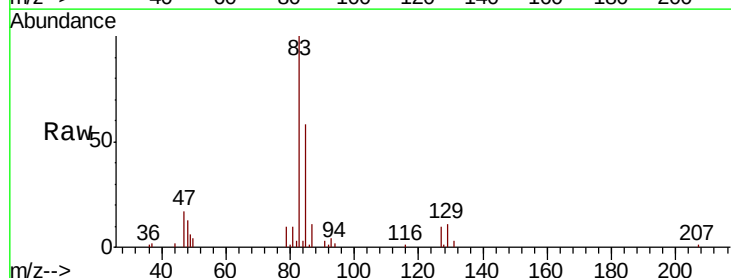
Tgt Ion: 83 Resp: 27575

Ion Ratio Lower Upper

83 100

85 58.1 52.2 78.4

127 9.9 7.0 10.4

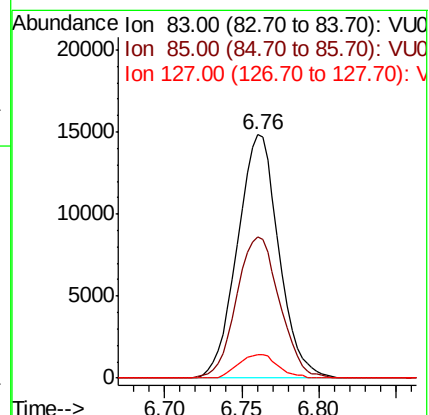
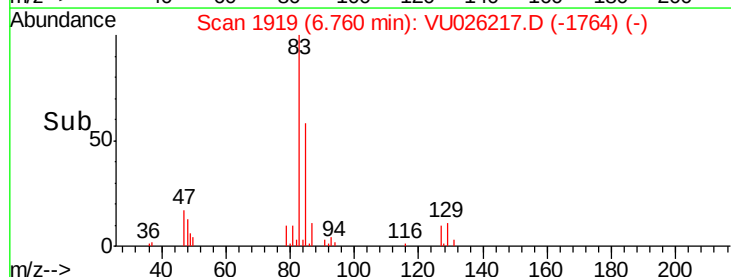


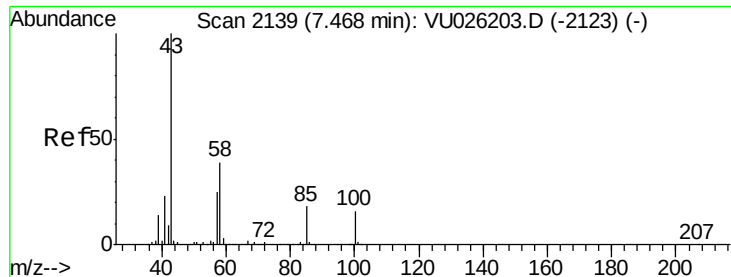
Abundance

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

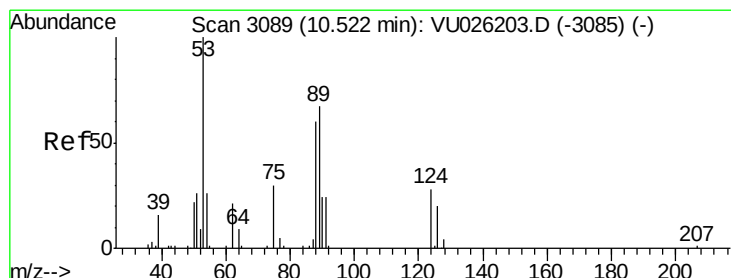
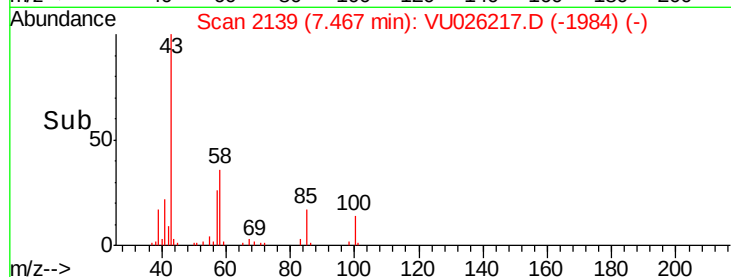
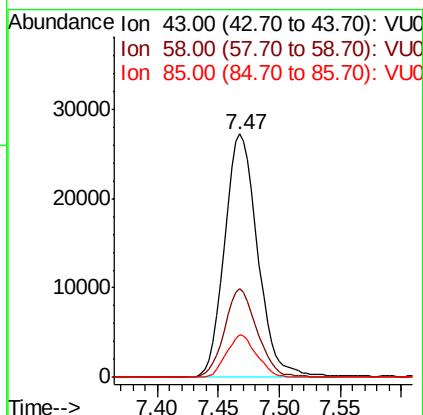
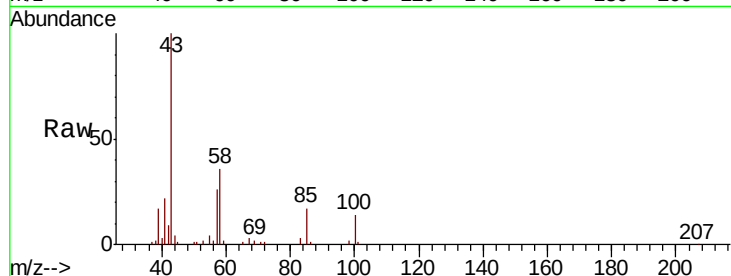




#45  
 4-Methyl-2-Pentanone  
 Concen: 10.304 ug/l  
 RT: 7.47 min Scan# 2139  
 Delta R.T. -0.00 min  
 Lab File: VU026217.D  
 Acq: 20 Aug 2018 19:10

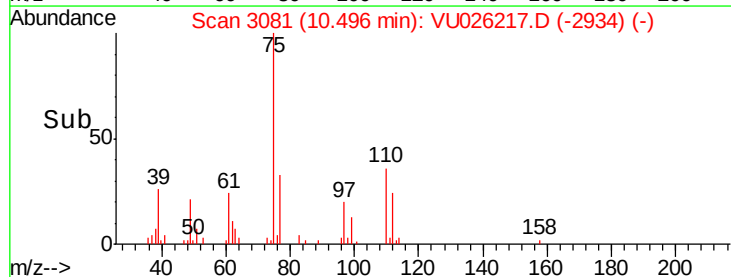
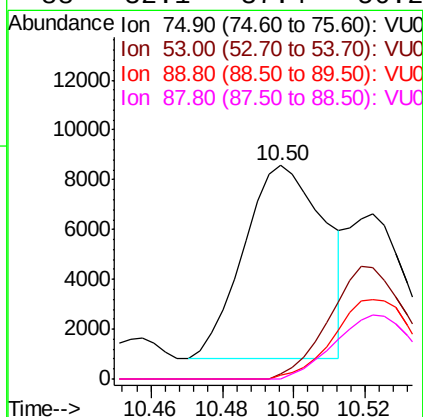
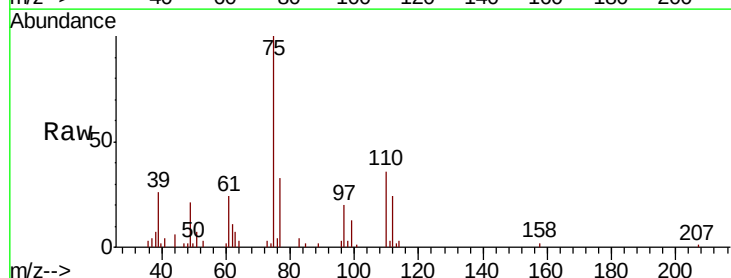
Instrument :  
 MSVOA\_U  
 ClientSampleId :

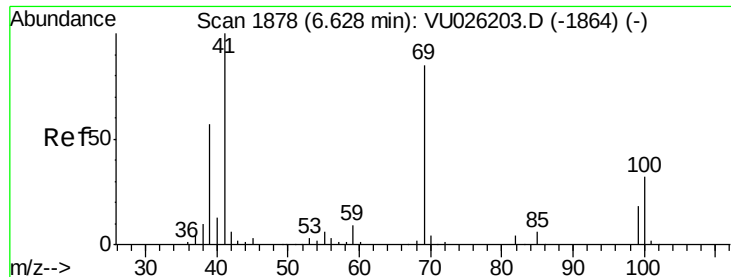
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 35.7  | 18.8  | 56.4  |
| 85      | 15.7  | 12.6  | 19.0  |



#46  
 t-1,4-Dichloro-2-butene  
 Concen: 5.216 ug/l  
 RT: 10.50 min Scan# 3081  
 Delta R.T. -0.03 min  
 Lab File: VU026217.D  
 Acq: 20 Aug 2018 19:10

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 75      | 100   |       |        |
| 53      | 56.7  | 82.2  | 123.4# |
| 89      | 41.2  | 51.3  | 76.9#  |
| 88      | 32.1  | 37.4  | 56.2#  |





#47

Methyl methacrylate

Concen: 4.052 ug/l

RT: 6.63 min Scan# 1878

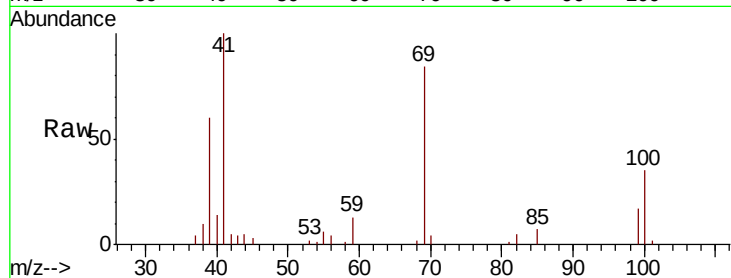
Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Instrument :  
MSVOA\_U  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 69    | Resp: | 15341 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 121.4 | 0.0   | 245.4 |
| 39       | 73.7  | 49.0  | 73.4# |
| 100      | 37.4  | 27.8  | 41.8  |



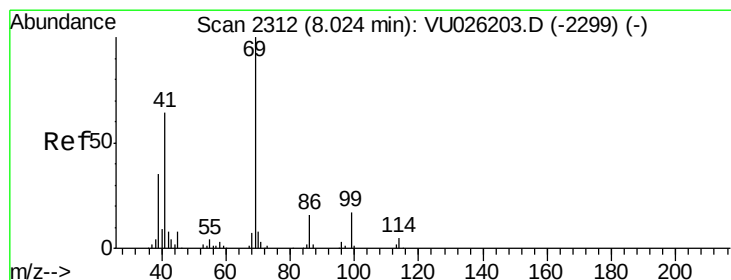
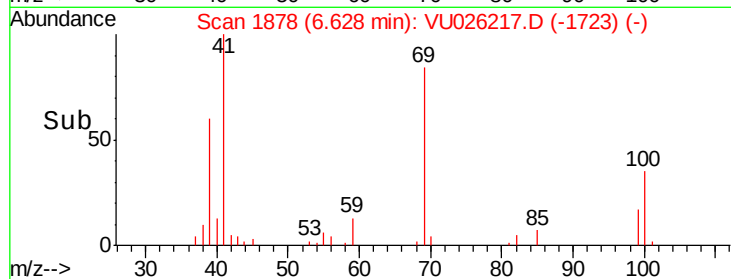
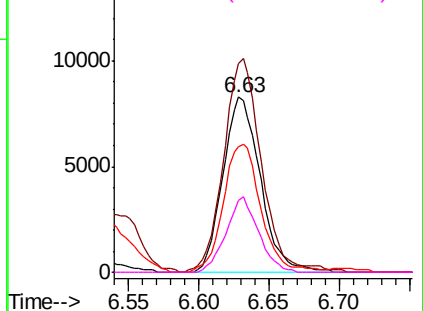
Abundance

Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 100.00 (99.70 to 100.70): VU0



#48

Ethyl methacrylate

Concen: 2.021 ug/l

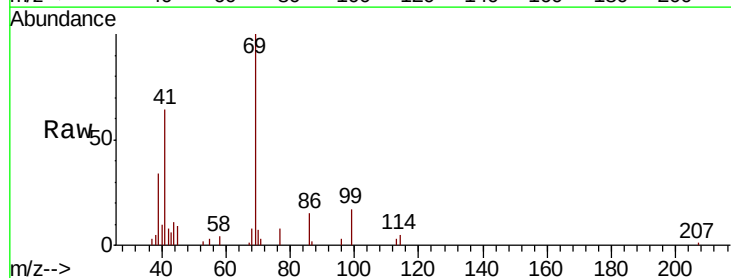
RT: 8.02 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

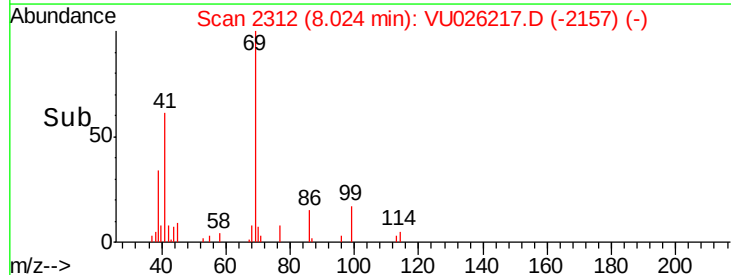
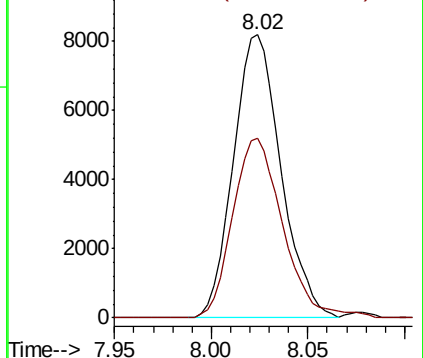
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 14002 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 66.9  | 34.2  | 102.5 |

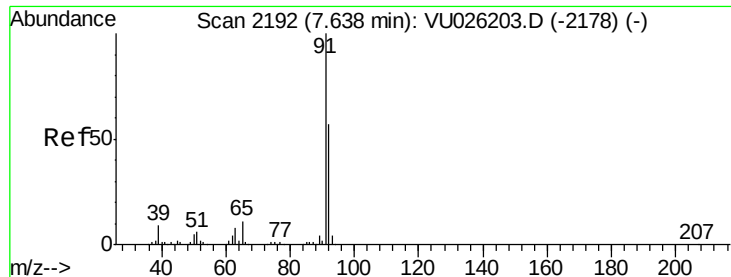


Abundance

Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0





#49

Toluene

Concen: 2.014 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Instrument :

MSVOA\_U

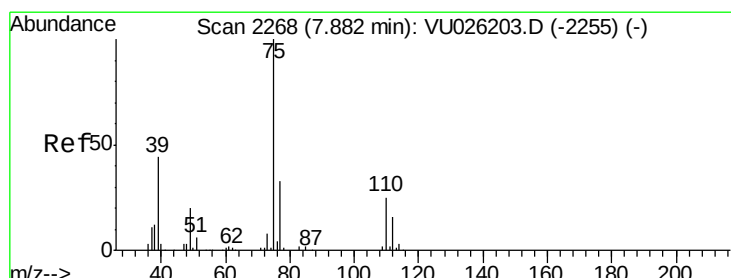
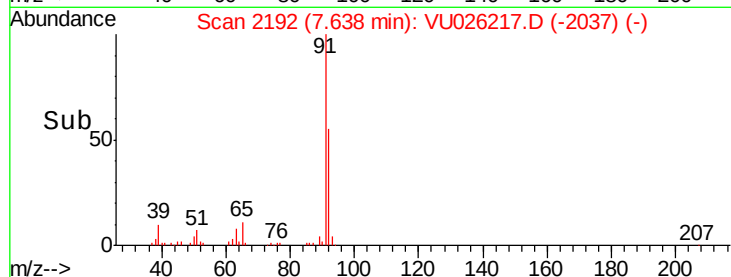
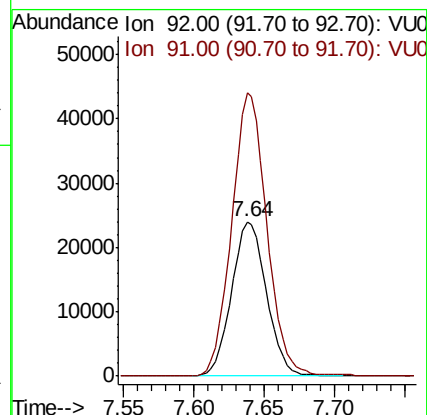
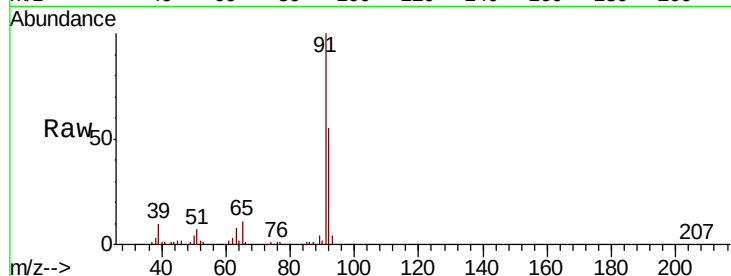
ClientSampled :

Tot Ion: 92 Resp: 41424

Ion Ratio Lower Upper

92 100

91 184.3 137.1 205.7



#50

t-1,3-Dichloropropene

Concen: 2.053 ug/l

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU026217.D

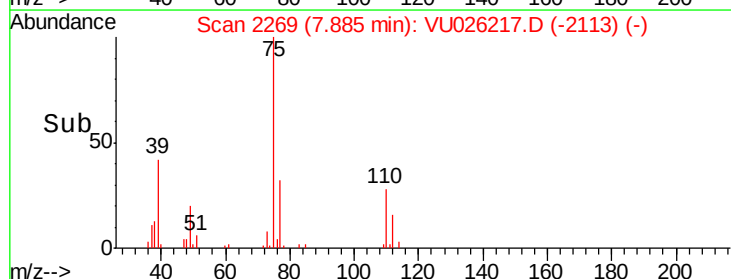
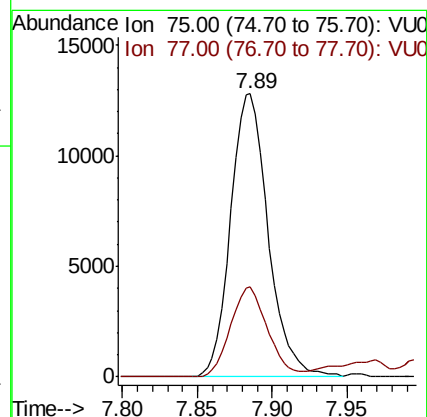
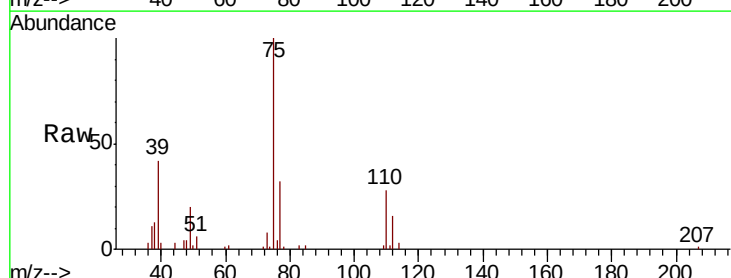
Acq: 20 Aug 2018 19:10

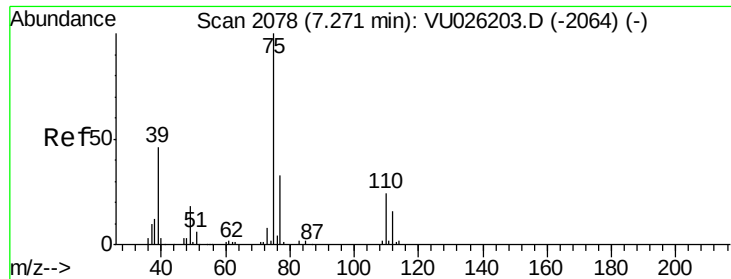
Tgt Ion: 75 Resp: 22405

Ion Ratio Lower Upper

75 100

77 31.9 25.2 37.8

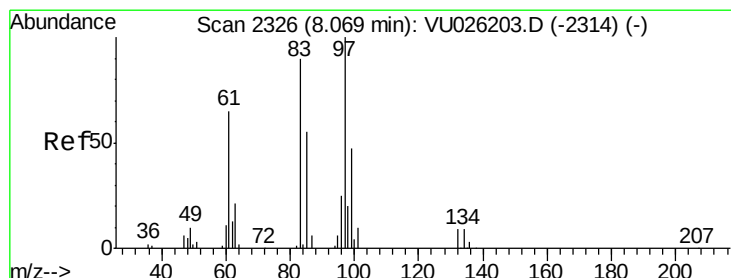
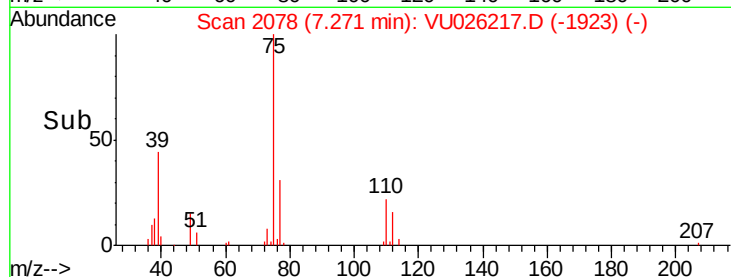
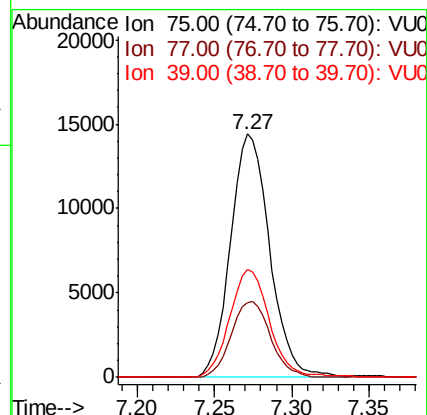
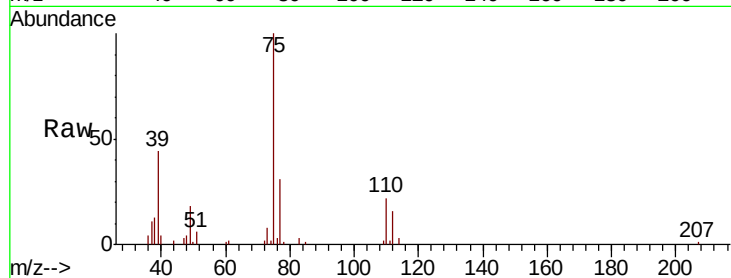




#51  
 cis-1,3-Dichloropropene  
 Concen: 2.001 ug/l  
 RT: 7.27 min Scan# 2078  
 Delta R.T. -0.00 min  
 Lab File: VU026217.D  
 Acq: 20 Aug 2018 19:10

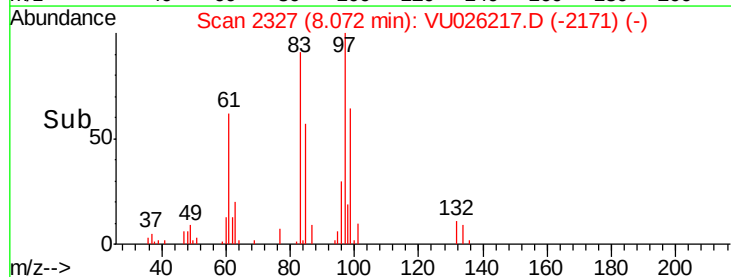
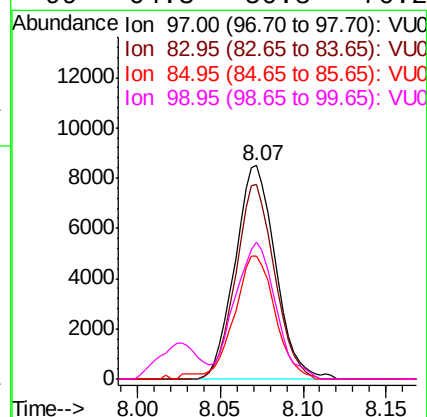
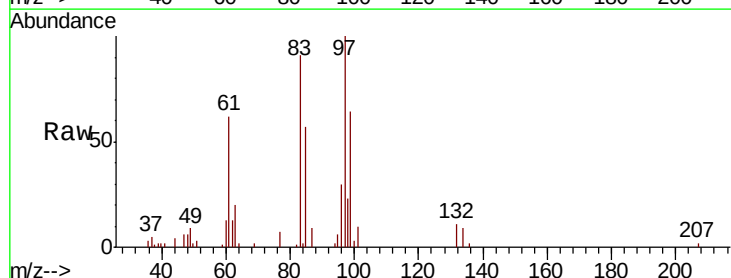
Instrument :  
 MSVOA\_U  
 ClientSampleId :

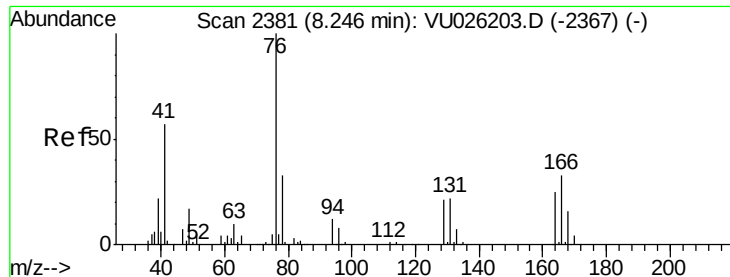
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 30.9  | 25.2  | 37.8  |
| 39      | 44.1  | 36.4  | 54.6  |



#52  
 1,1,2-Trichloroethane  
 Concen: 2.149 ug/l  
 RT: 8.07 min Scan# 2327  
 Delta R.T. 0.00 min  
 Lab File: VU026217.D  
 Acq: 20 Aug 2018 19:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 91.4  | 72.6  | 109.0 |
| 85      | 57.4  | 47.2  | 70.8  |
| 99      | 64.3  | 50.8  | 76.2  |

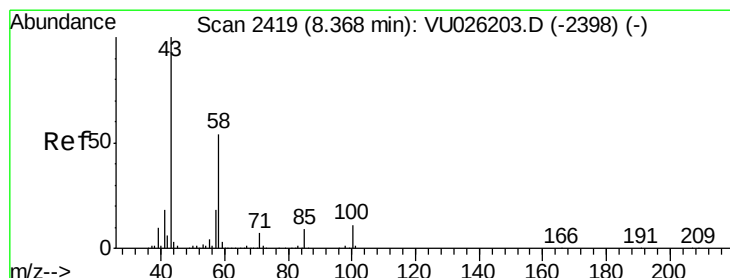
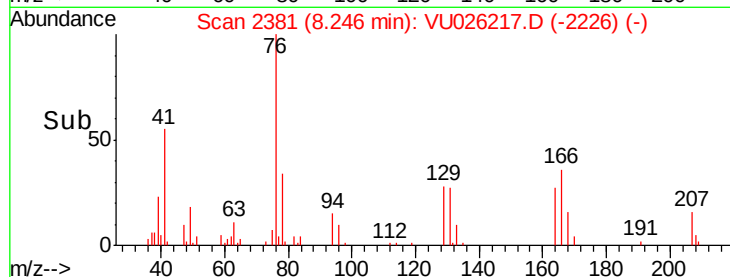
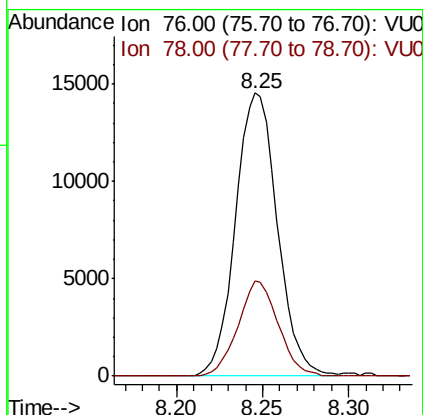
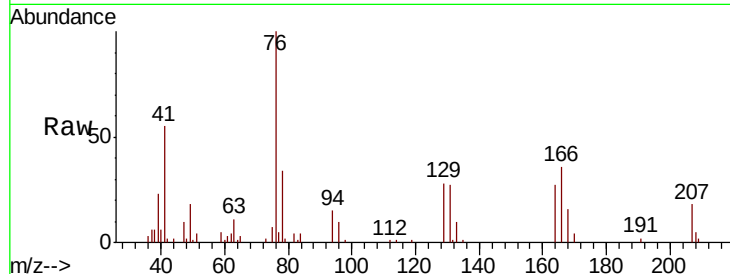




#53  
 1,3-Dichloropropane  
 Concen: 2.209 ug/l  
 RT: 8.25 min Scan# 2381  
 Delta R.T. -0.00 min  
 Lab File: VU026217.D  
 Acq: 20 Aug 2018 19:10

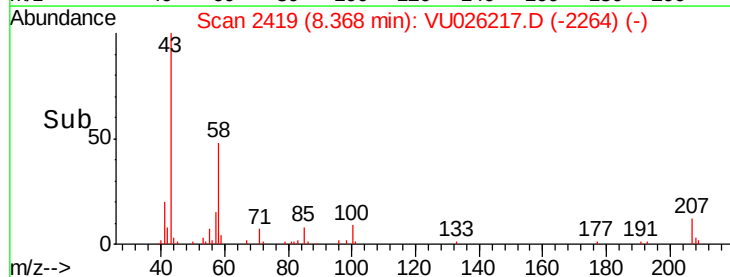
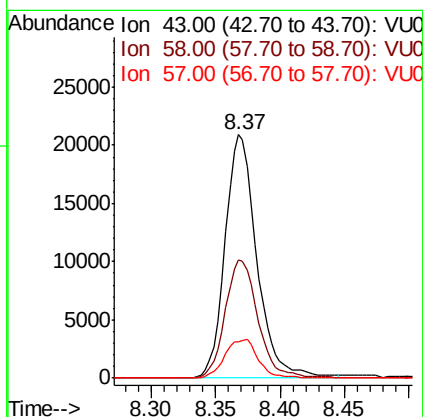
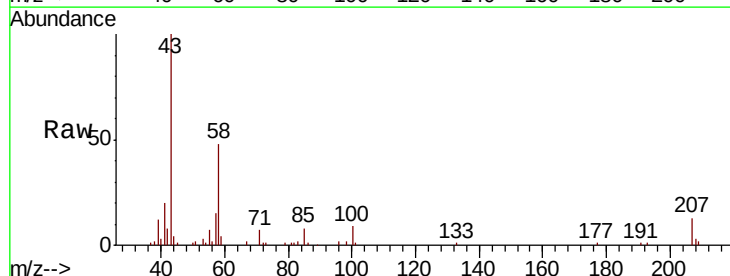
Instrument :  
 MSVOA\_U  
 ClientSampleId :

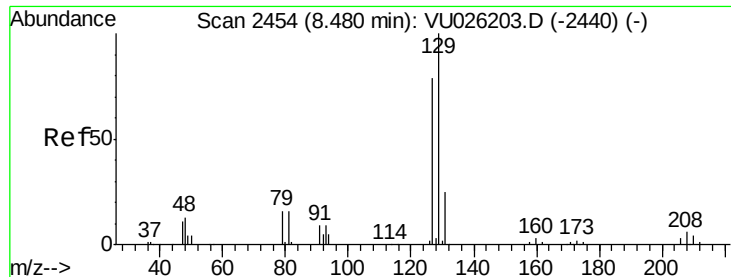
Tot Ion: 76 Resp: 24663  
 Ion Ratio Lower Upper  
 76 100  
 78 32.1 25.7 38.5



#54  
 2-Hexanone  
 Concen: 10.003 ug/l  
 RT: 8.37 min Scan# 2419  
 Delta R.T. -0.00 min  
 Lab File: VU026217.D  
 Acq: 20 Aug 2018 19:10

Tgt Ion: 43 Resp: 35776  
 Ion Ratio Lower Upper  
 43 100  
 58 49.6 32.5 72.5  
 57 16.4 0.0 37.9





#55

Dibromochloromethane

Concen: 2.142 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Instrument :

MSVOA\_U

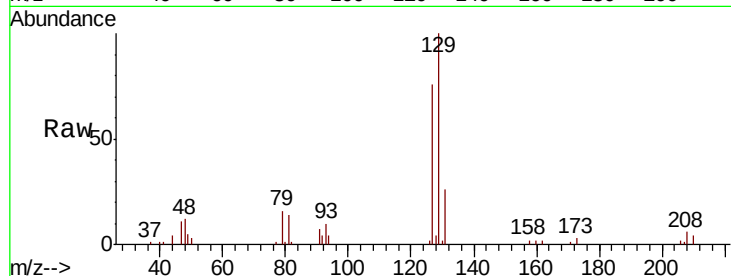
ClientSampled :

Tot Ion:129 Resp: 19243

Ion Ratio Lower Upper

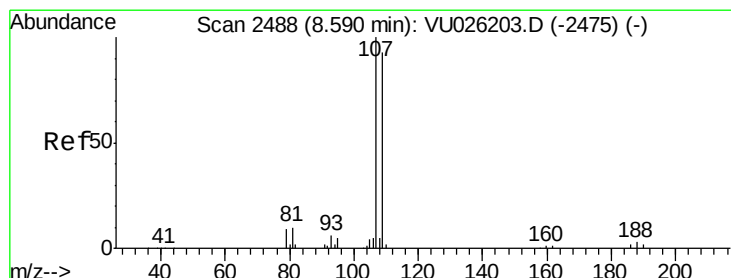
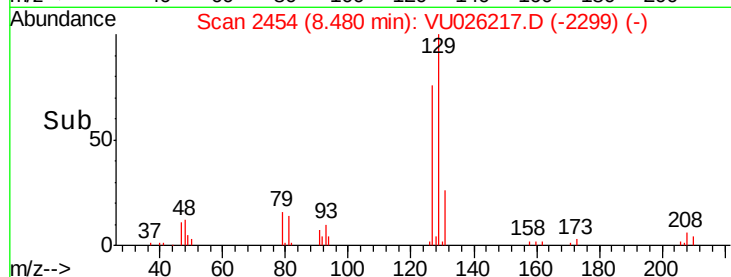
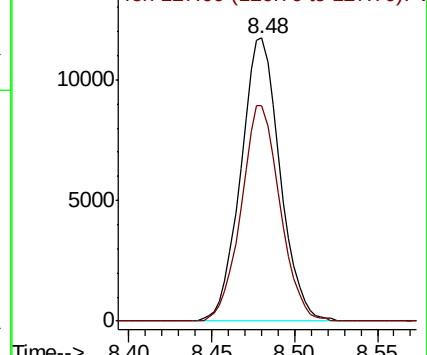
129 100

127 75.6 61.1 91.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 2.088 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU026217.D

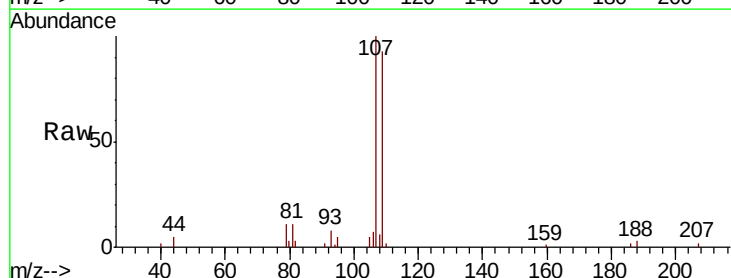
Acq: 20 Aug 2018 19:10

Tgt Ion:107 Resp: 13653

Ion Ratio Lower Upper

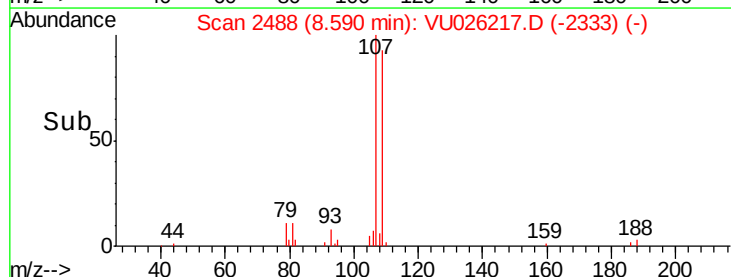
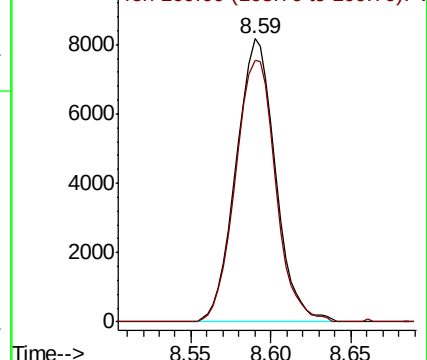
107 100

109 94.6 0.0 189.0

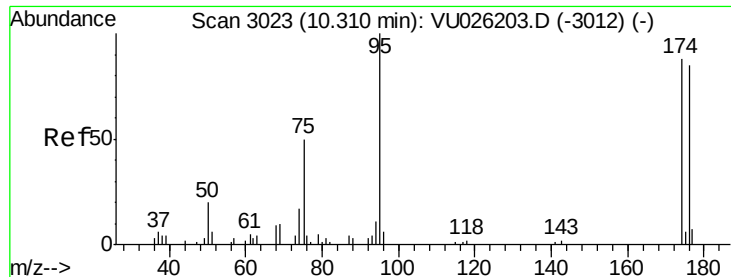


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



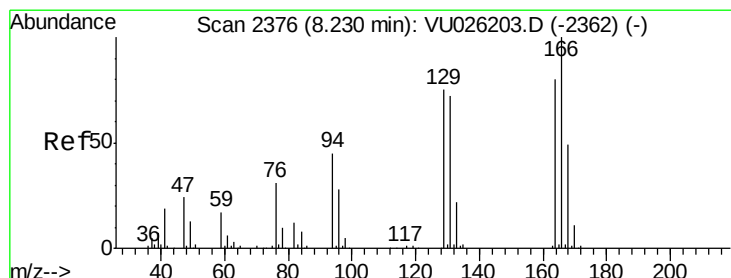
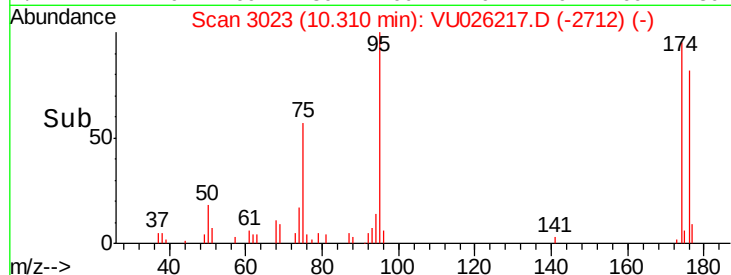
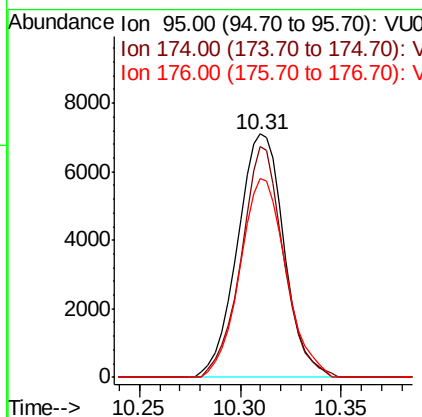
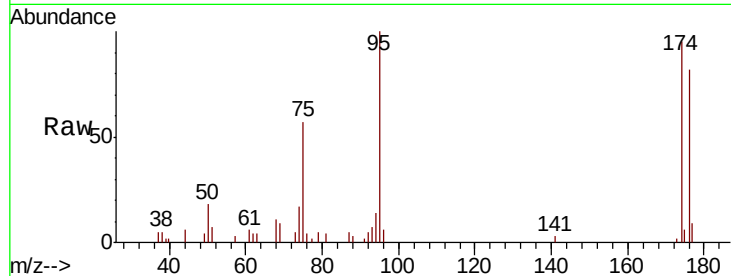




#57  
4-Bromofluorobenzene  
Concen: 2.088 ug/l  
RT: 10.31 min Scan# 3023  
Delta R.T. -0.00 min  
Lab File: VU026217.D  
Acq: 20 Aug 2018 19:10

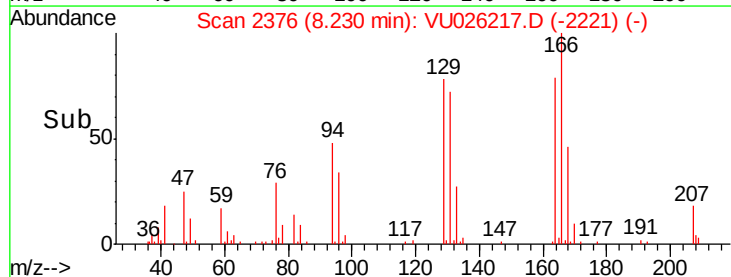
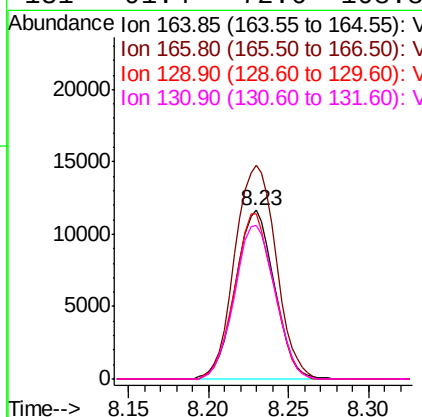
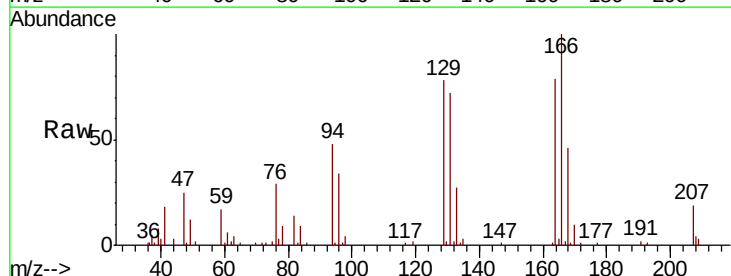
Instrument :  
MSVOA\_U  
ClientSampleId :

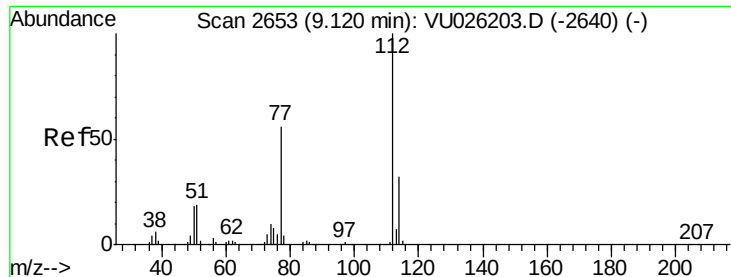
Tot Ion: 95 Resp: 11473  
Ion Ratio Lower Upper  
95 100  
174 86.4 65.6 98.4  
176 80.7 62.0 93.0



#58  
Tetrachloroethene  
Concen: 2.031 ug/l  
RT: 8.23 min Scan# 2376  
Delta R.T. -0.00 min  
Lab File: VU026217.D  
Acq: 20 Aug 2018 19:10

Tgt Ion: 164 Resp: 19464  
Ion Ratio Lower Upper  
164 100  
166 126.6 104.1 156.1  
129 98.3 76.8 115.2  
131 91.4 72.6 108.8

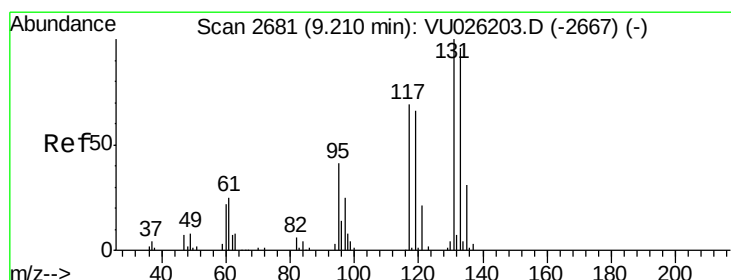
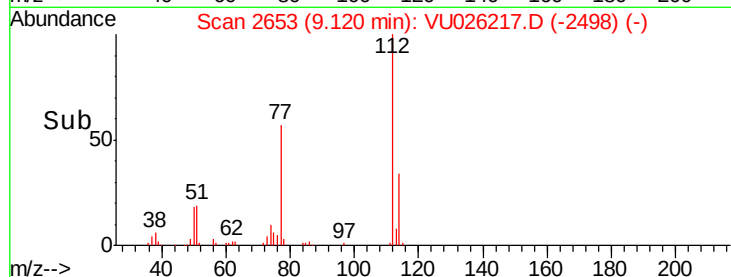
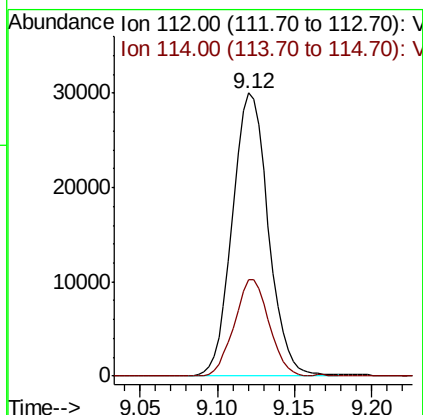
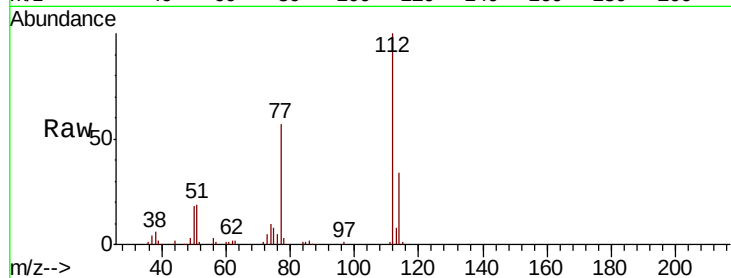




#59  
Chlorobenzene  
Concen: 2.038 ug/l  
RT: 9.12 min Scan# 2653  
Delta R.T. -0.00 min  
Lab File: VU026217.D  
Acq: 20 Aug 2018 19:10

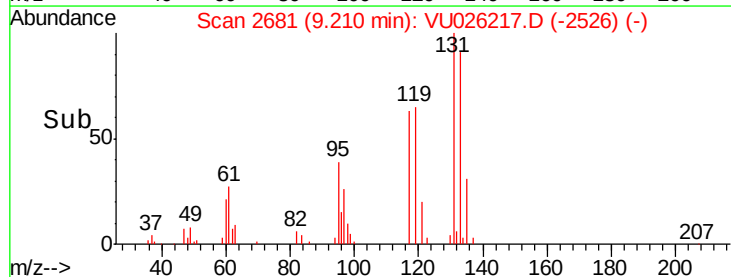
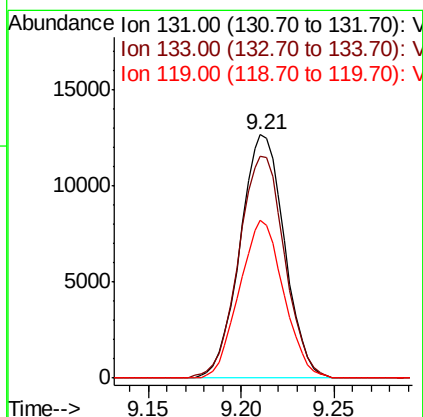
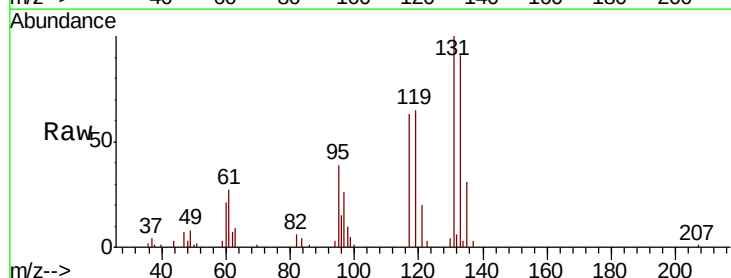
Instrument :  
MSVOA\_U  
ClientSampleId :

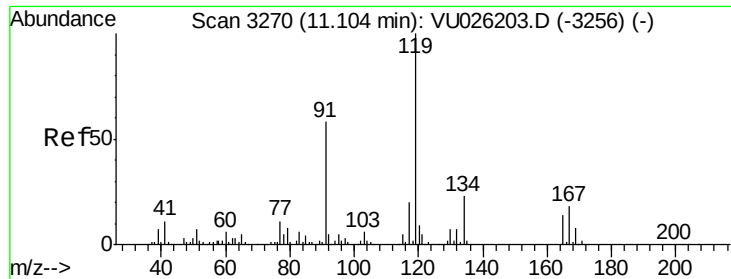
Tot Ion:112 Resp: 48548  
Ion Ratio Lower Upper  
112 100  
114 34.2 25.4 38.2



#60  
1,1,1,2-Tetrachloroethane  
Concen: 2.222 ug/l  
RT: 9.21 min Scan# 2681  
Delta R.T. -0.00 min  
Lab File: VU026217.D  
Acq: 20 Aug 2018 19:10

Tgt Ion:131 Resp: 21104  
Ion Ratio Lower Upper  
131 100  
133 94.1 75.8 113.8  
119 64.6 53.0 79.6

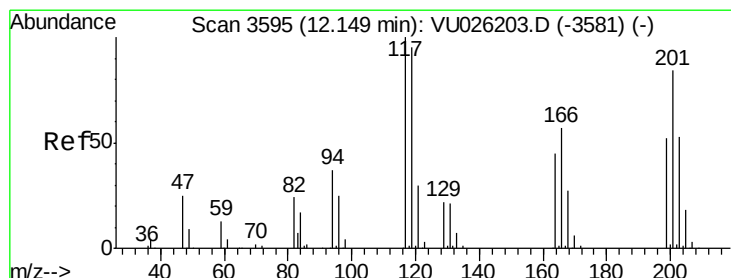
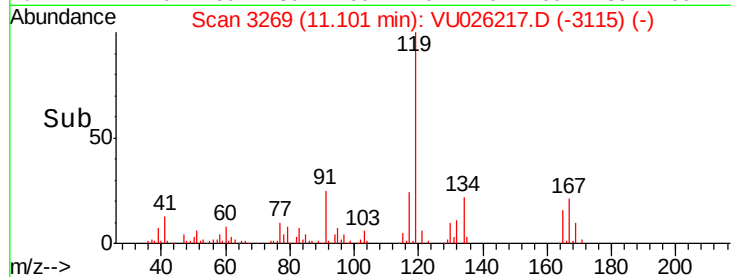
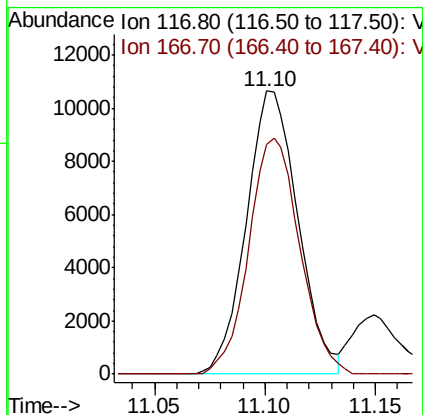
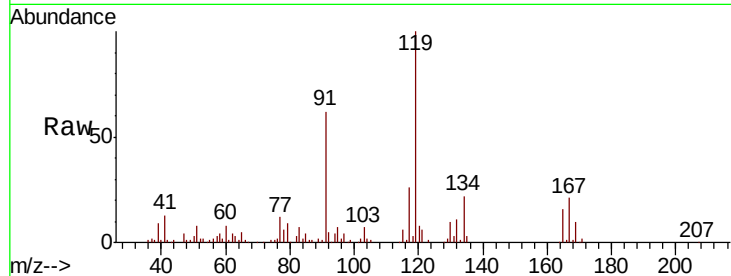




#61  
 Pentachloroethane  
 Concen: 2.140 ug/l  
 RT: 11.10 min Scan# 3269  
 Delta R.T. -0.00 min  
 Lab File: VU026217.D  
 Acq: 20 Aug 2018 19:10

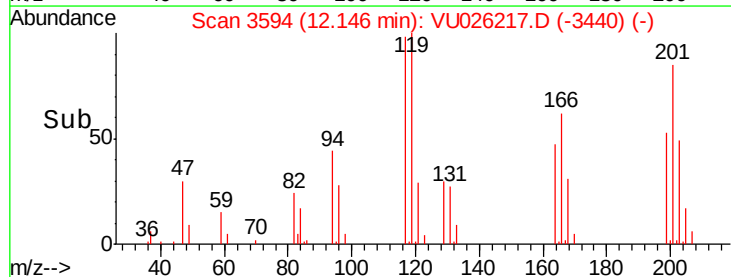
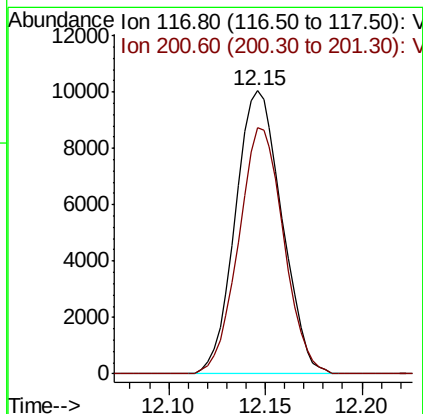
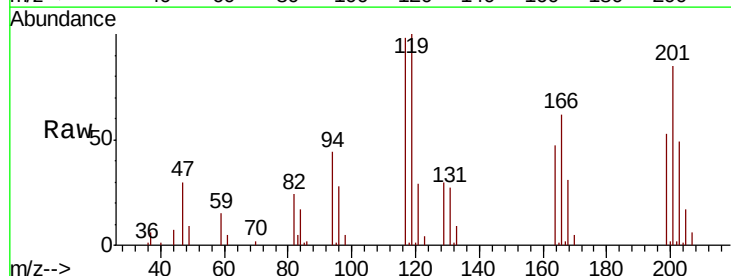
Instrument :  
 MSVOA\_U  
 ClientSampleId :

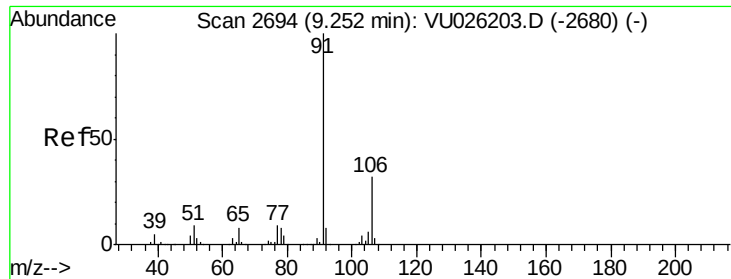
Tot Ion:117 Resp: 17344  
 Ion Ratio Lower Upper  
 117 100  
 167 82.0 69.2 103.8



#62  
 Hexachloroethane  
 Concen: 2.071 ug/l  
 RT: 12.15 min Scan# 3594  
 Delta R.T. -0.00 min  
 Lab File: VU026217.D  
 Acq: 20 Aug 2018 19:10

Tgt Ion:117 Resp: 16745  
 Ion Ratio Lower Upper  
 117 100  
 201 84.5 68.7 103.1

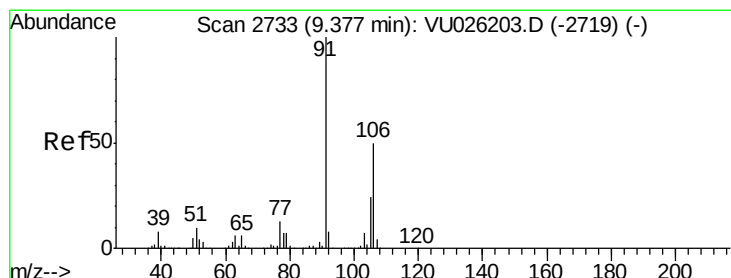
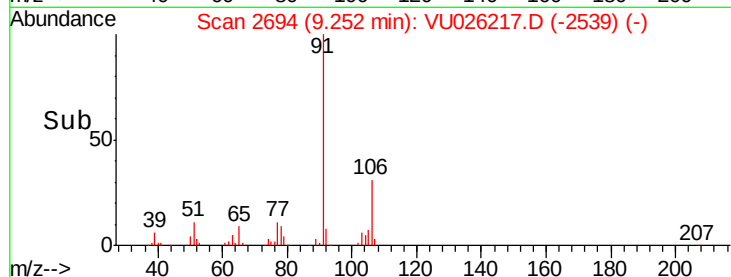
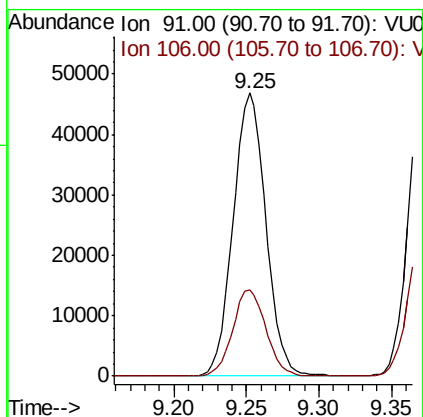
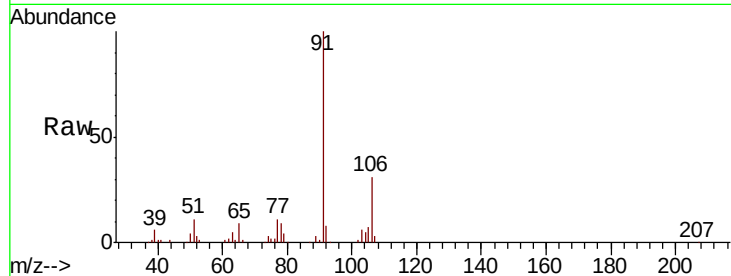




#63  
Ethyl Benzene  
Concen: 1.942 ug/l  
RT: 9.25 min Scan# 2694  
Delta R.T. -0.00 min  
Lab File: VU026217.D  
Acq: 20 Aug 2018 19:10

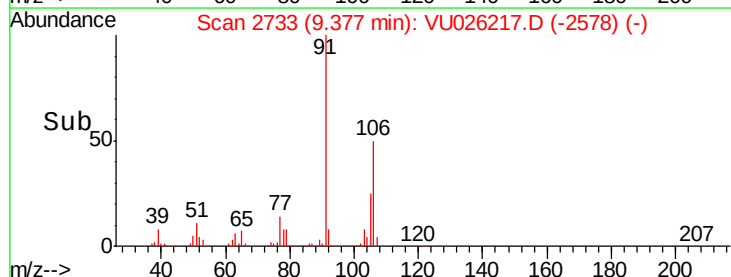
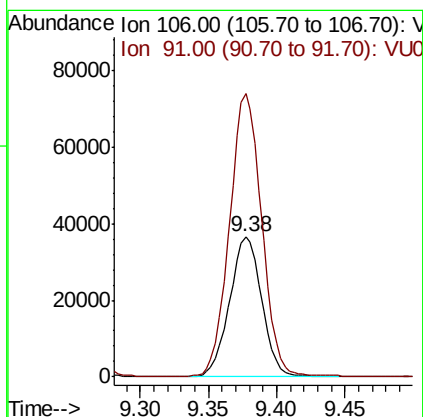
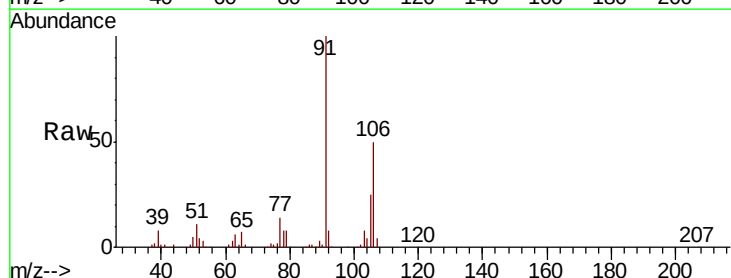
Instrument :  
MSVOA\_U  
ClientSampleId :

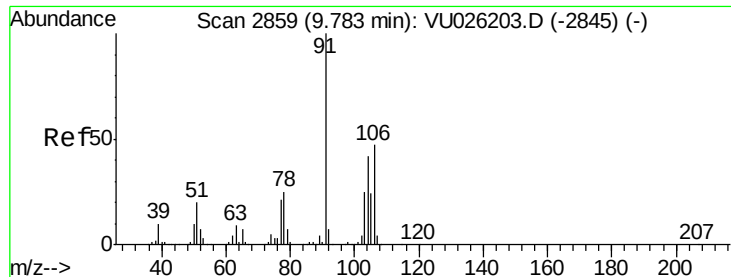
Tot Ion: 91 Resp: 73394  
Ion Ratio Lower Upper  
91 100  
106 30.6 24.7 37.1



#64  
m/p-Xylenes  
Concen: 3.979 ug/l  
RT: 9.38 min Scan# 2733  
Delta R.T. -0.00 min  
Lab File: VU026217.D  
Acq: 20 Aug 2018 19:10

Tgt Ion: 106 Resp: 60034  
Ion Ratio Lower Upper  
106 100  
91 201.3 164.1 246.1

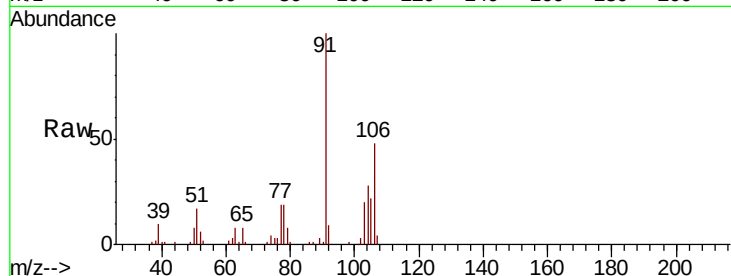




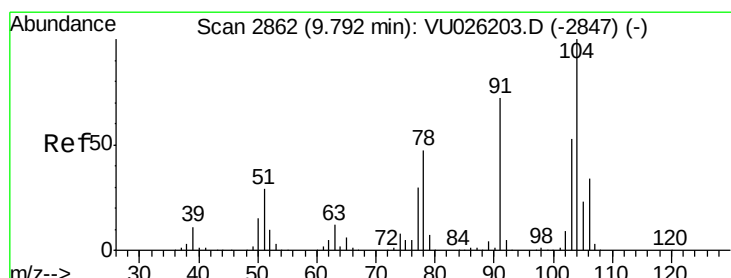
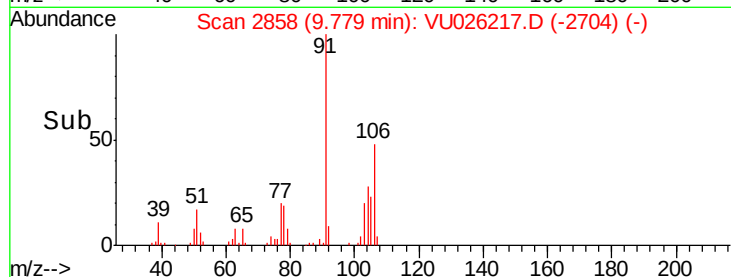
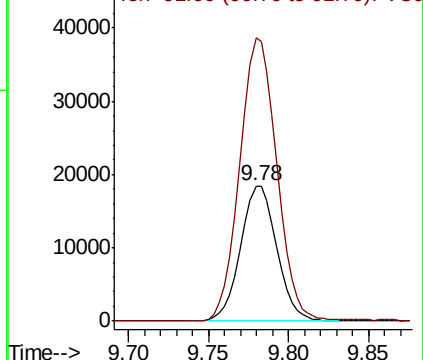
#65  
o-Xylene  
Concen: 1.974 ug/l  
RT: 9.78 min Scan# 2858  
Delta R.T. -0.00 min  
Lab File: VU026217.D  
Acq: 20 Aug 2018 19:10

Instrument :  
MSVOA\_U  
ClientSampled :

Tot Ion:106 Resp: 28401  
Ion Ratio Lower Upper  
106 100  
91 215.1 107.9 323.7

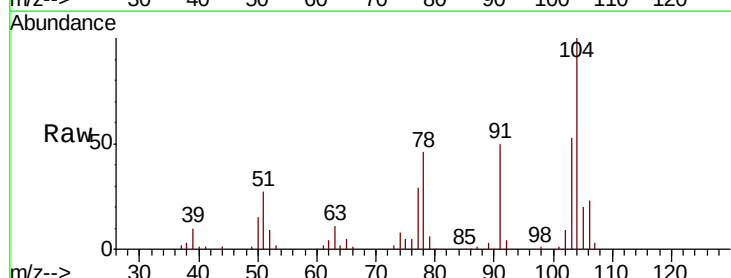


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VU0

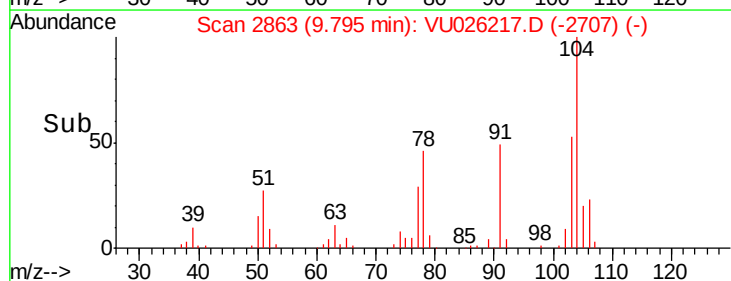
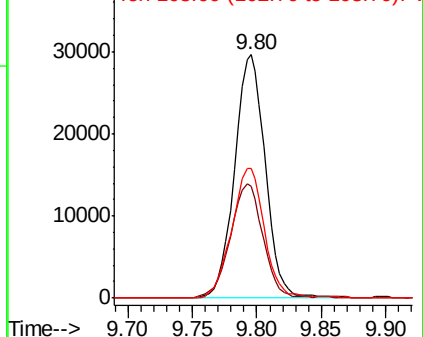


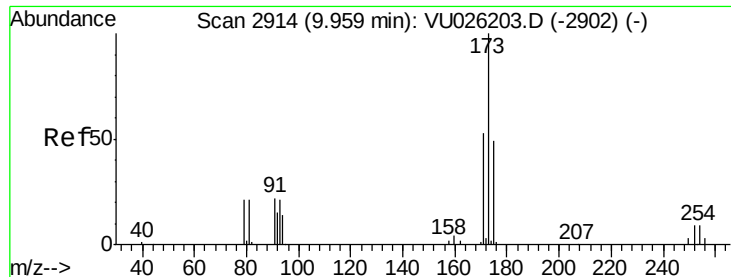
#66  
Styrene  
Concen: 1.991 ug/l  
RT: 9.80 min Scan# 2863  
Delta R.T. 0.00 min  
Lab File: VU026217.D  
Acq: 20 Aug 2018 19:10

Tgt Ion:104 Resp: 49023  
Ion Ratio Lower Upper  
104 100  
78 49.7 40.2 60.2  
103 56.4 44.2 66.4



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

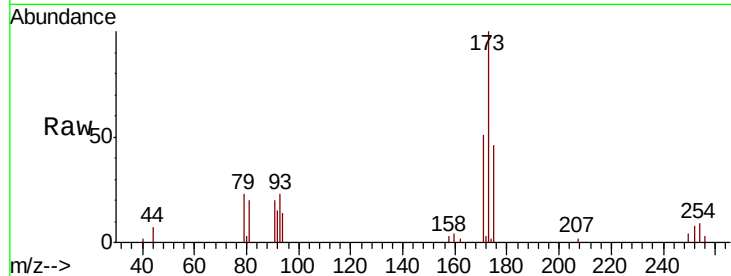




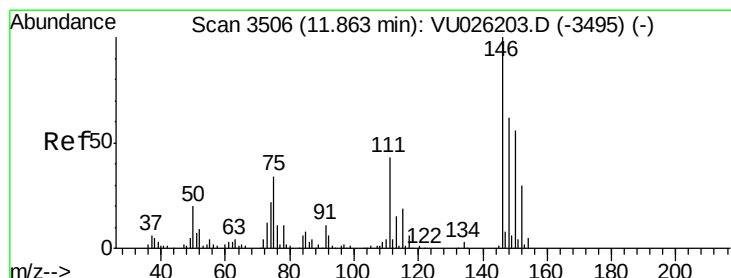
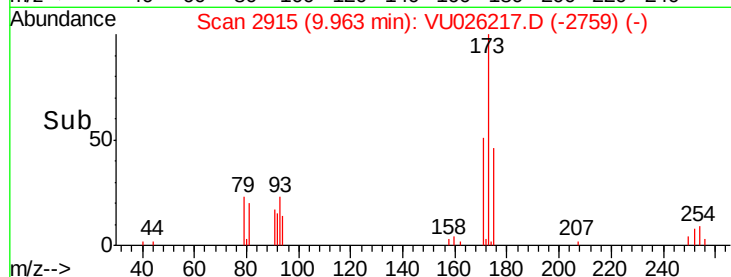
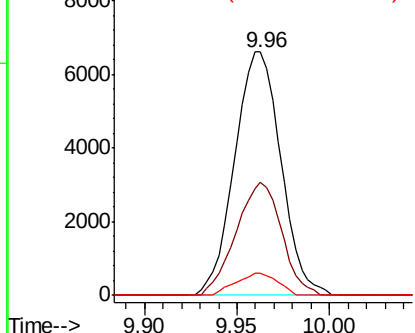
#67  
Bromoform  
Concen: 2.167 ug/l  
RT: 9.96 min Scan# 2915  
Delta R.T. 0.00 min  
Lab File: VU026217.D  
Acq: 20 Aug 2018 19:10

Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion:173 Resp: 11471  
Ion Ratio Lower Upper  
173 100  
175 45.8 38.6 57.8  
254 8.2 8.8 13.2#

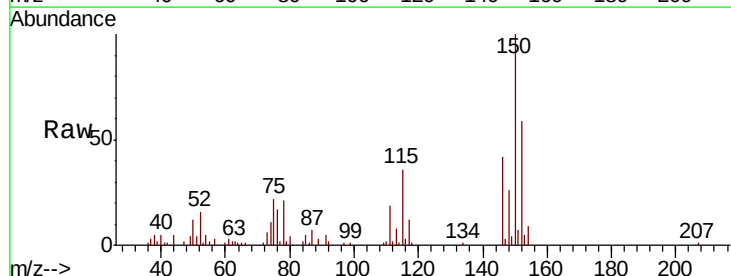


Abundance Ion 172.90 (172.60 to 173.60): V  
Ion 174.90 (174.60 to 175.60): V  
Ion 253.75 (253.45 to 254.45): V

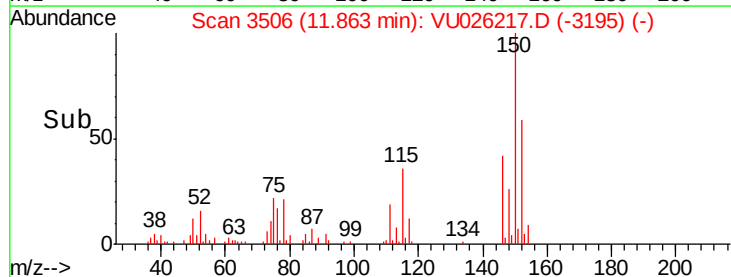
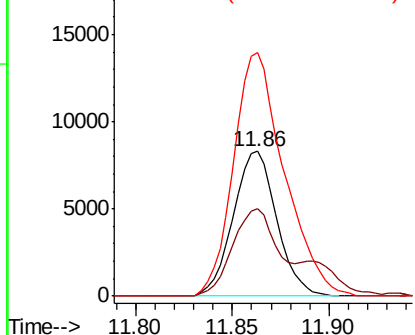


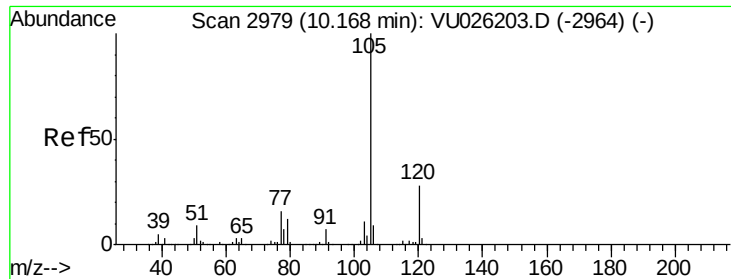
#68  
1,2-Dichlorobenzene-d4  
Concen: 2.167 ug/l  
RT: 11.86 min Scan# 3506  
Delta R.T. -0.00 min  
Lab File: VU026217.D  
Acq: 20 Aug 2018 19:10

Tgt Ion:152 Resp: 12994  
Ion Ratio Lower Upper  
152 100  
115 63.0 0.0 118.8  
150 195.5 0.0 0.0#



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: 2.014 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Instrument :

MSVOA\_U

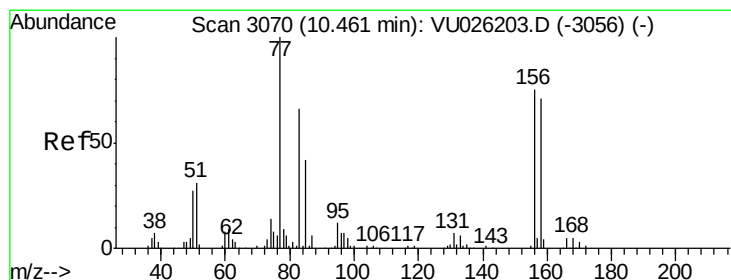
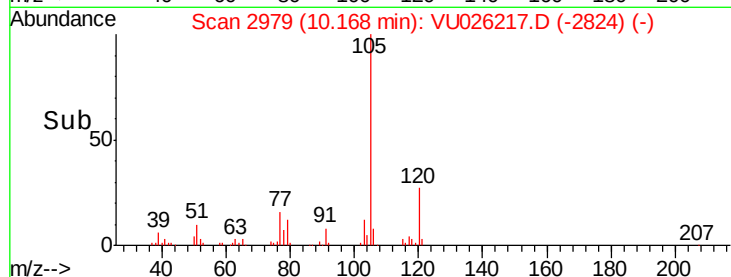
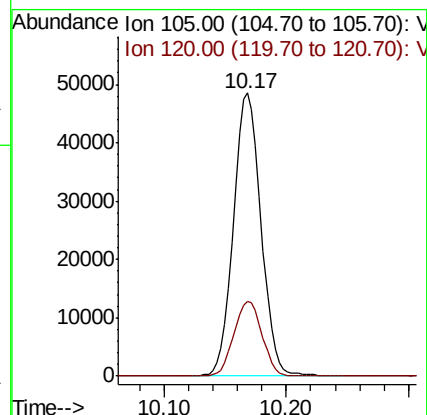
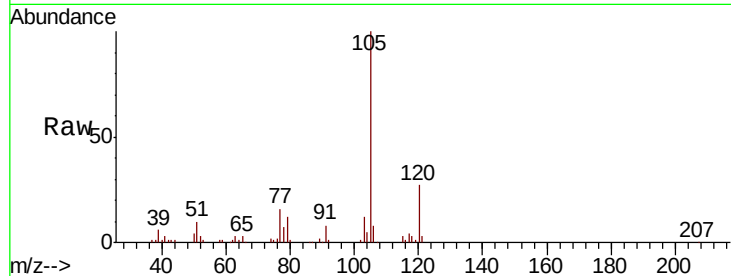
ClientSampled :

Tot Ion:105 Resp: 76597

Ion Ratio Lower Upper

105 100

120 26.9 13.1 39.3



#70

1,1,2,2-Tetrachloroethane

Concen: 2.168 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

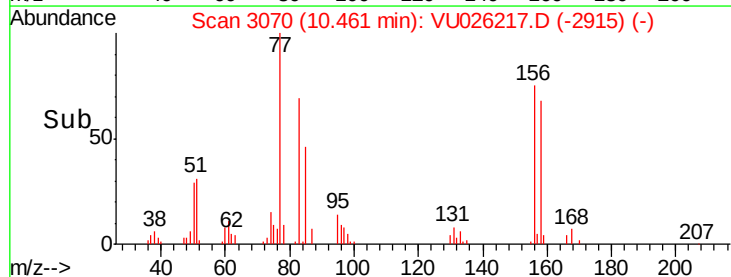
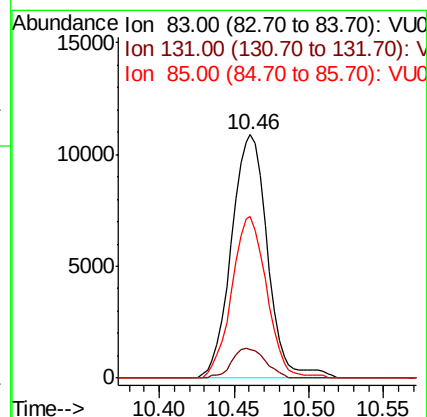
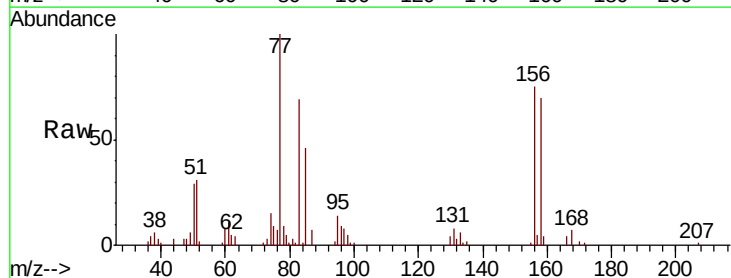
Tgt Ion: 83 Resp: 18279

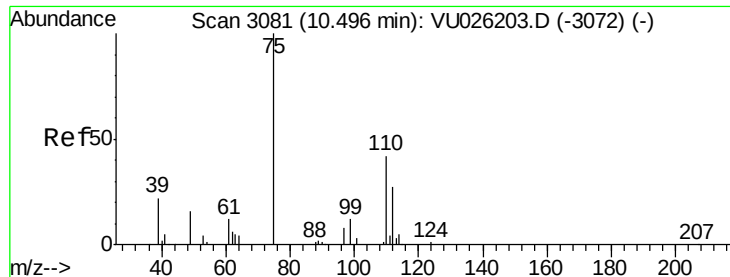
Ion Ratio Lower Upper

83 100

131 11.4 7.9 11.9

85 64.4 51.8 77.6





#71

1,2,3-Trichloropropane

Concen: 2.035 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Instrument :

MSVOA\_U

ClientSampled :

Tot Ion: 75 Resp: 12282

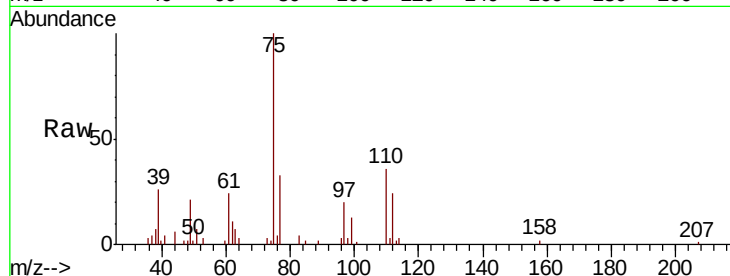
Ion Ratio Lower Upper

75 100

77 58.8 0.0 0.0#

110 39.7 0.0 74.0

97 21.5 0.0 39.6

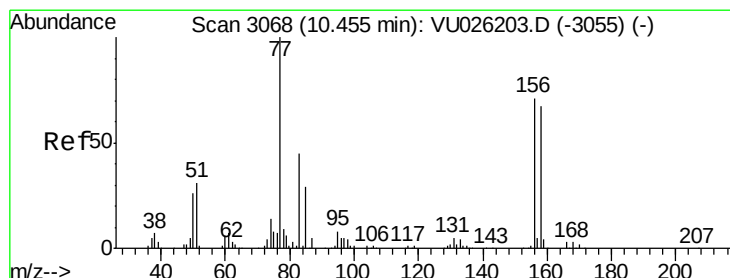
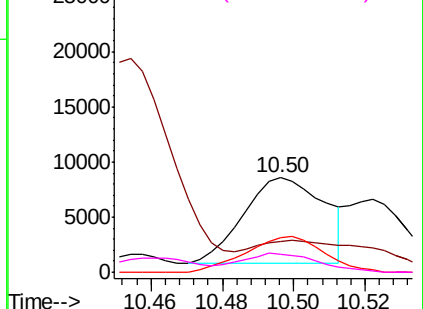
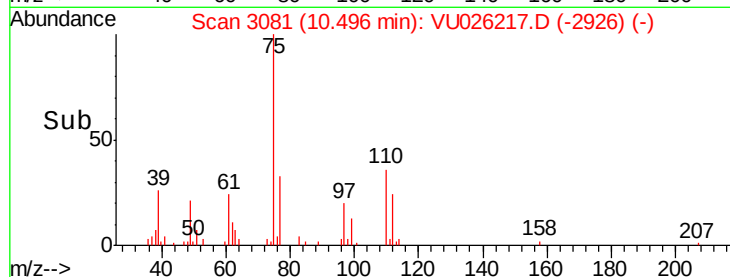


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): V

Ion 97.00 (96.70 to 97.70): VU0



#72

Bromobenzene

Concen: 2.009 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

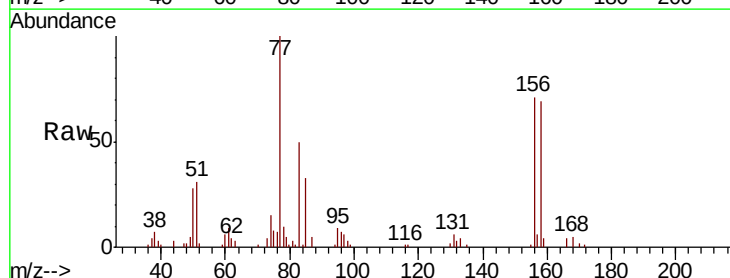
Tgt Ion: 156 Resp: 21383

Ion Ratio Lower Upper

156 100

77 153.1 0.0 309.8

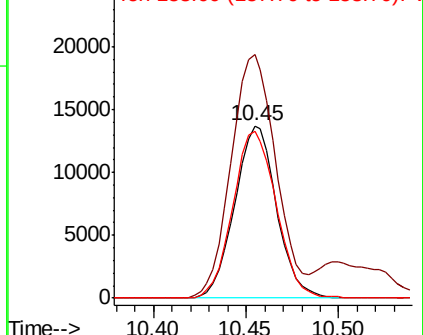
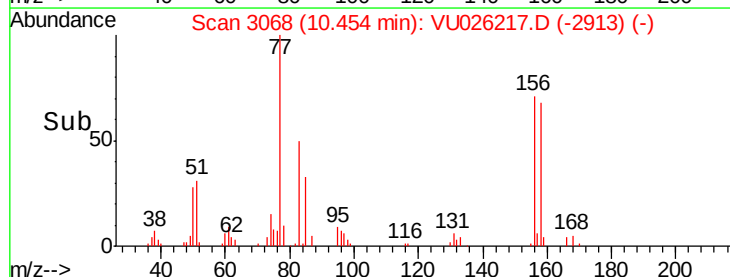
158 101.0 0.0 193.0



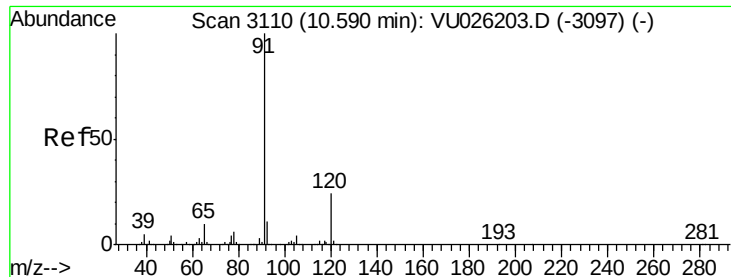
Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V







#73

n-propylbenzene

Concen: 1.999 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Instrument :

MSVOA\_U

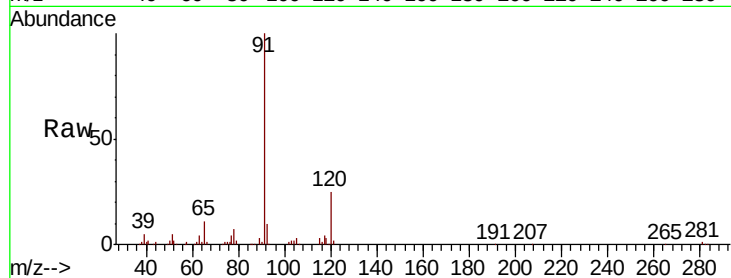
ClientSampleId :

Tot Ion:120 Resp: 22233

Ion Ratio Lower Upper

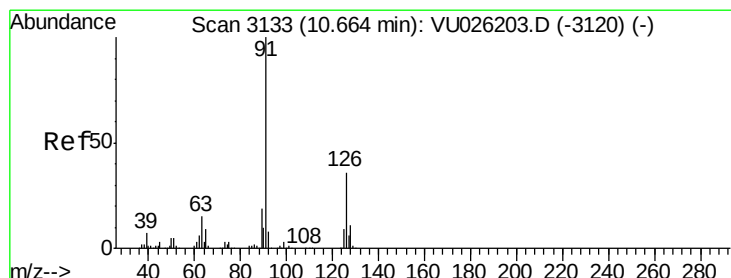
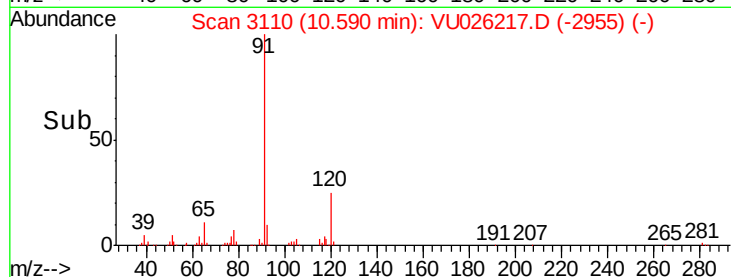
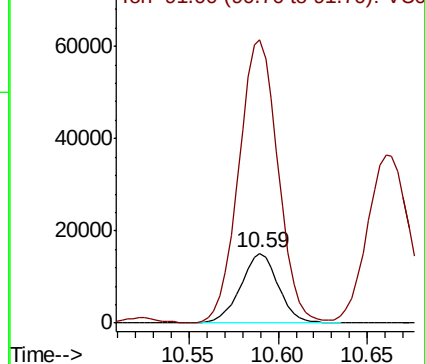
120 100

91 423.9 352.2 528.4



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 2.084 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU026217.D

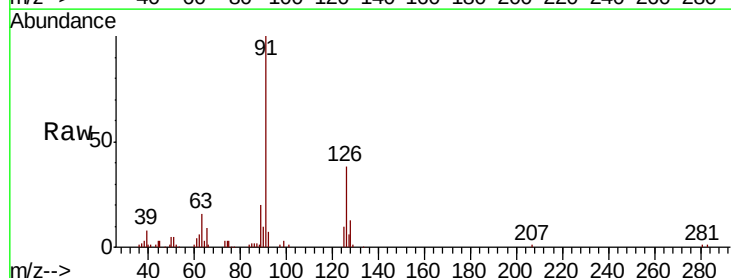
Acq: 20 Aug 2018 19:10

Tgt Ion:126 Resp: 20910

Ion Ratio Lower Upper

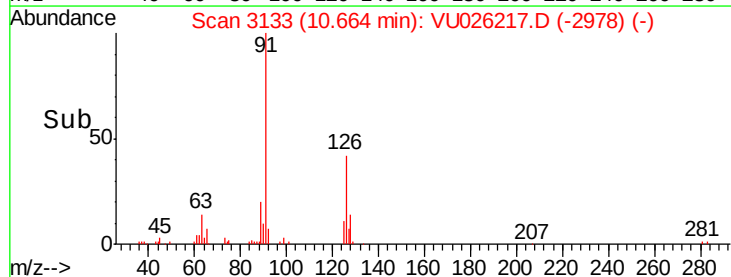
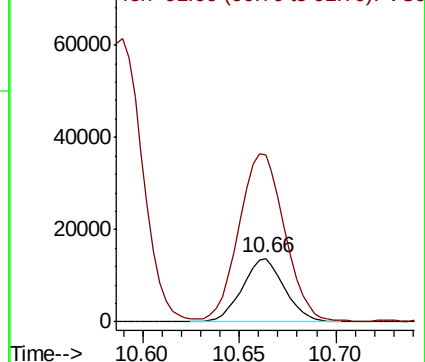
126 100

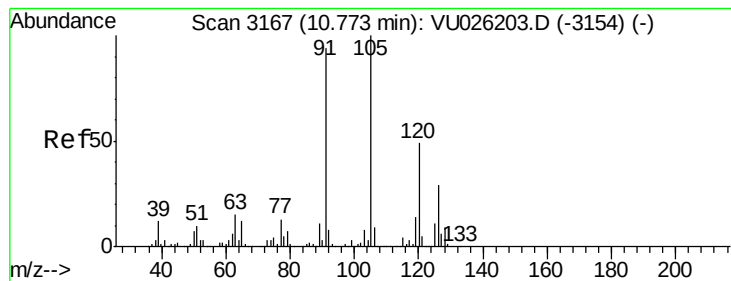
91 284.2 0.0 613.0



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: 2.039 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Instrument :

MSVOA\_U

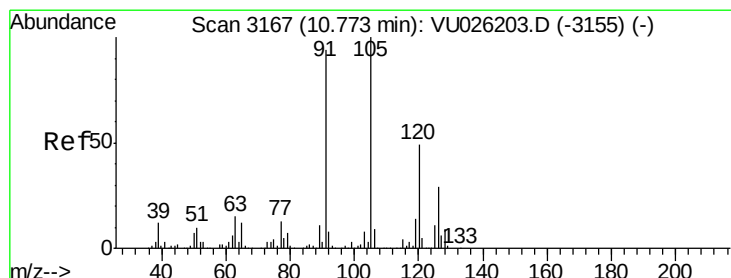
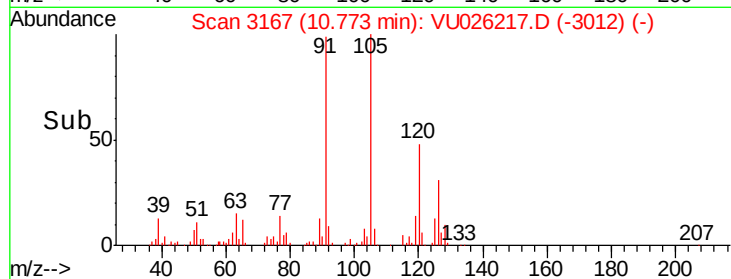
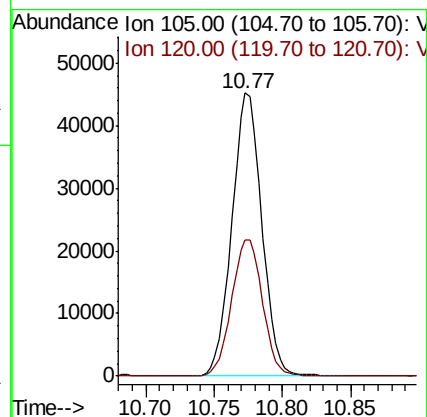
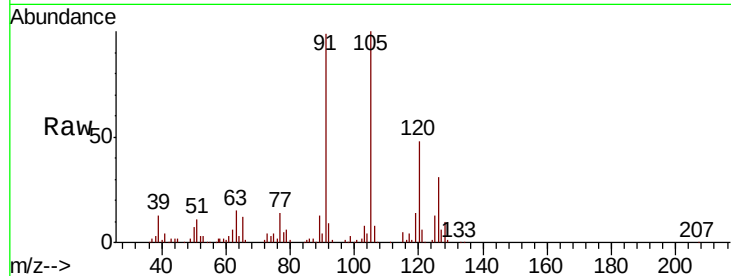
ClientSampleId :

Tot Ion:105 Resp: 68910

Ion Ratio Lower Upper

105 100

120 49.6 39.0 58.6



#76

4-Chlorotoluene

Concen: 2.161 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VU026217.D

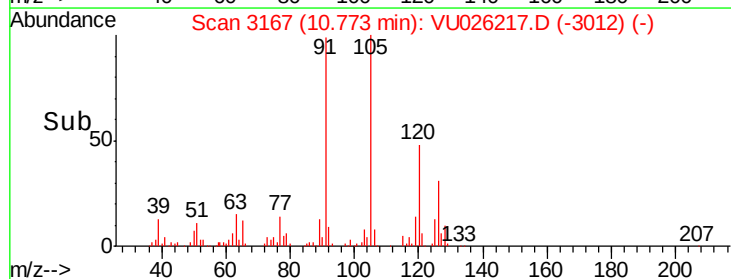
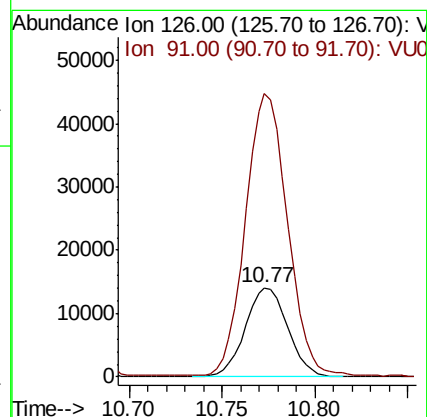
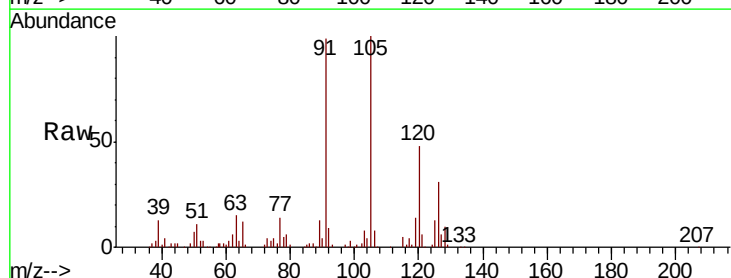
Acq: 20 Aug 2018 19:10

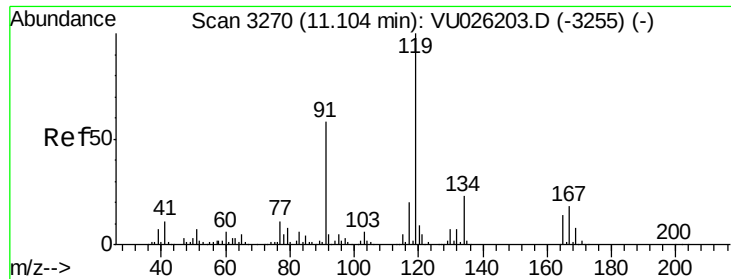
Tgt Ion:126 Resp: 22284

Ion Ratio Lower Upper

126 100

91 314.6 0.0 667.2

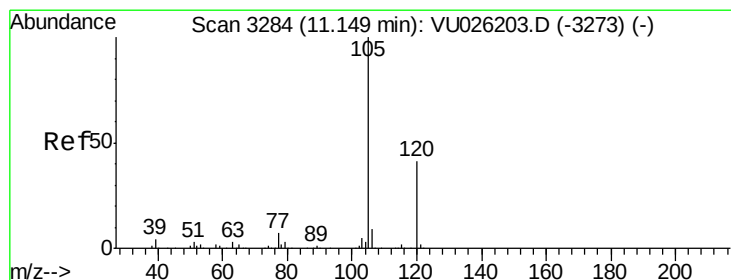
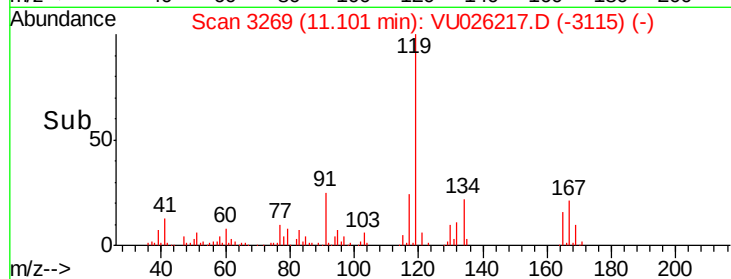
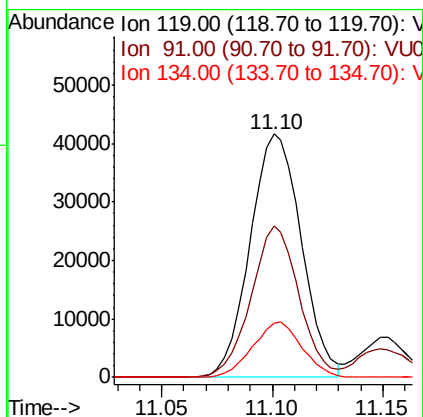
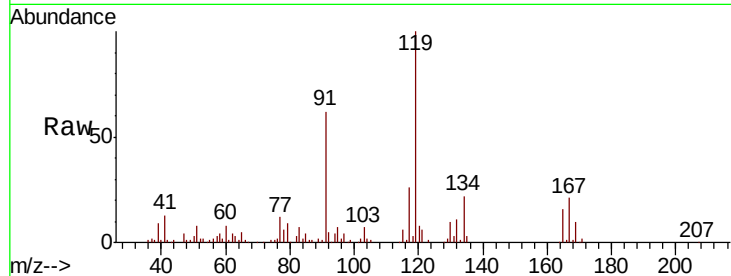




#77  
 tert-Butylbenzene  
 Concen: 1.985 ug/l  
 RT: 11.10 min Scan# 3269  
 Delta R.T. -0.00 min  
 Lab File: VU026217.D  
 Acq: 20 Aug 2018 19:10

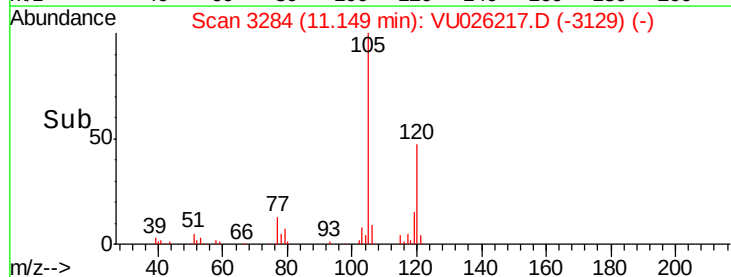
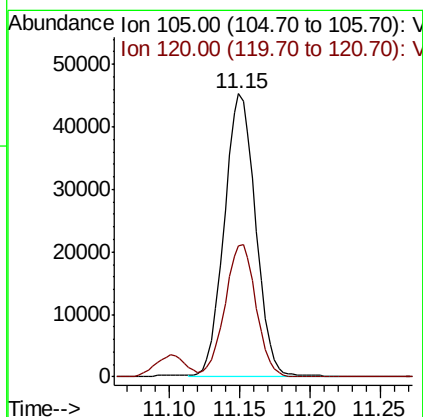
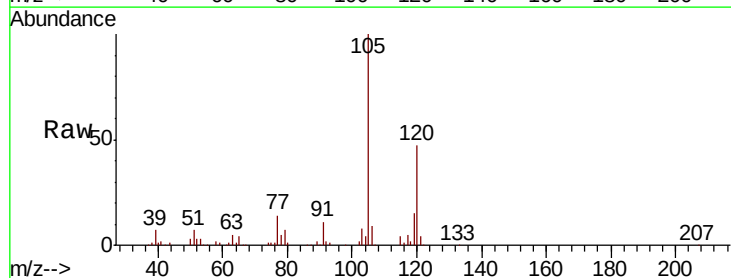
Instrument :  
 MSVOA\_U  
 ClientSampleId :

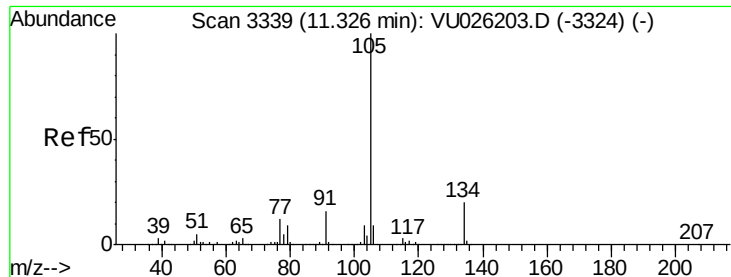
Tot Ion:119 Resp: 66843  
 Ion Ratio Lower Upper  
 119 100  
 91 58.4 29.6 88.8  
 134 21.9 19.1 28.7



#78  
 1,2,4-Trimethylbenzene  
 Concen: 2.012 ug/l  
 RT: 11.15 min Scan# 3284  
 Delta R.T. -0.00 min  
 Lab File: VU026217.D  
 Acq: 20 Aug 2018 19:10

Tgt Ion:105 Resp: 70368  
 Ion Ratio Lower Upper  
 105 100  
 120 46.4 23.1 69.3





#79

sec-Butylbenzene

Concen: 2.008 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Instrument :

MSVOA\_U

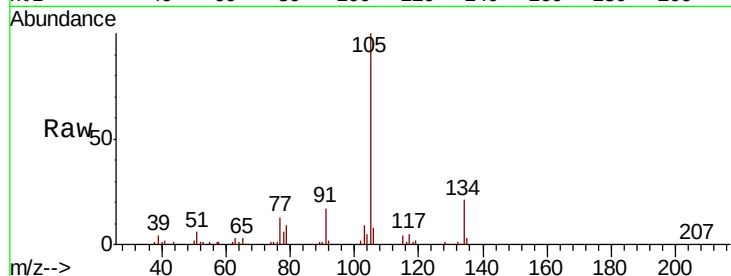
ClientSampleId :

Tot Ion:105 Resp: 88578

Ion Ratio Lower Upper

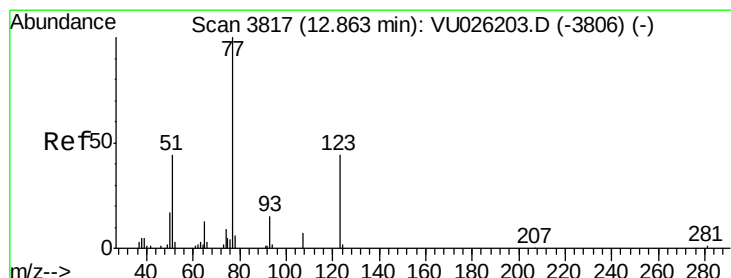
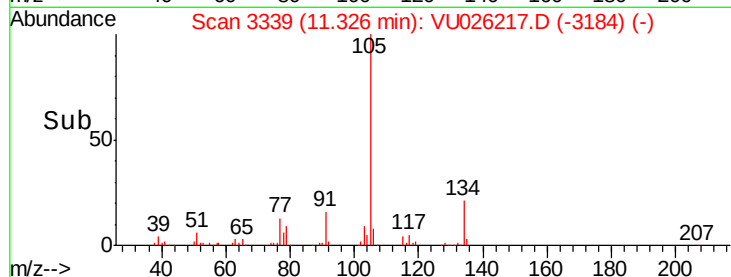
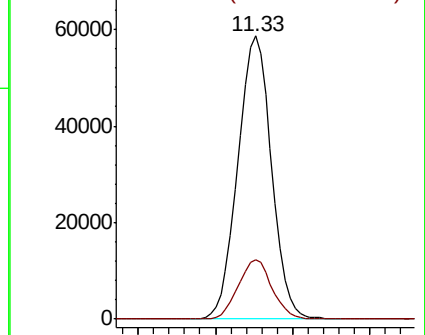
105 100

134 21.0 15.6 23.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 9.533 ug/l

RT: 12.86 min Scan# 3817

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

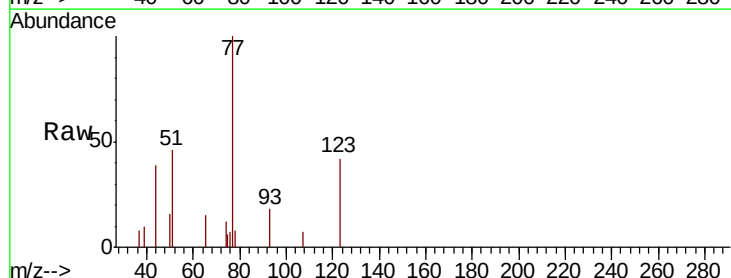
Tgt Ion: 77 Resp: 3512

Ion Ratio Lower Upper

77 100

123 42.6 19.4 68.6

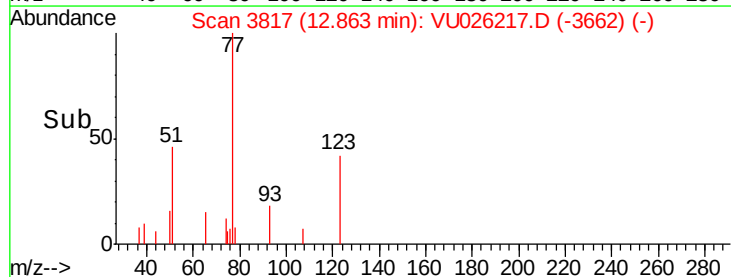
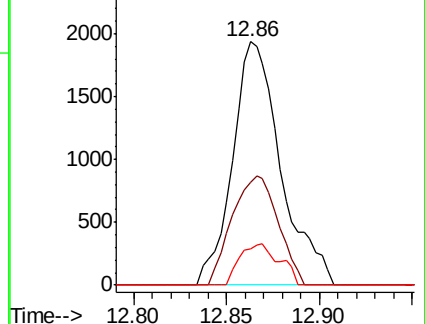
65 14.0 11.2 14.2

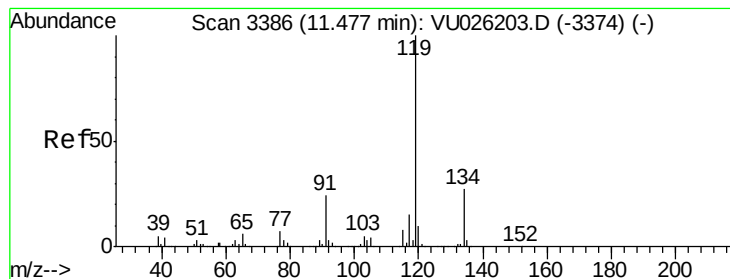


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





#81

p-Isopropyltoluene

Concen: 1.941 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Instrument :

MSVOA\_U

ClientSampled :

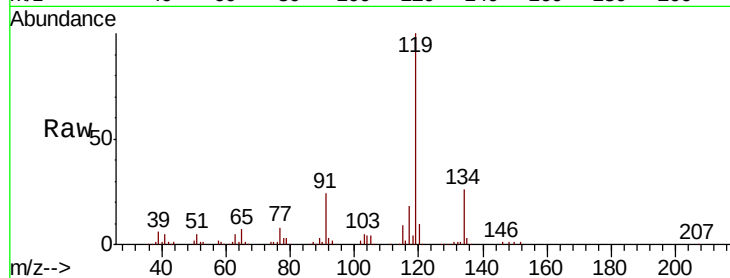
Tot Ion:119 Resp: 72425

Ion Ratio Lower Upper

119 100

134 26.7 20.9 31.3

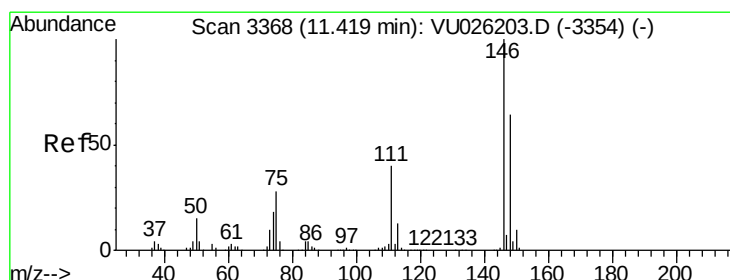
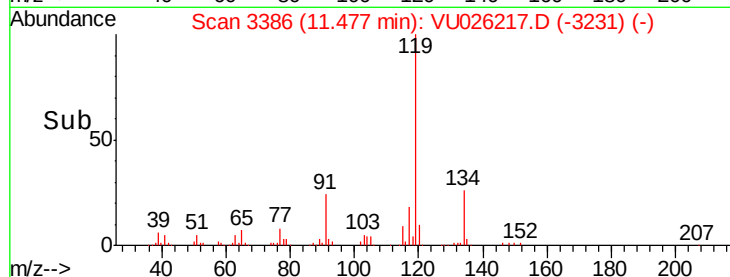
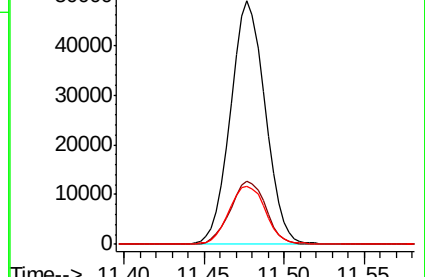
91 25.6 18.2 27.2



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): VU



#82

1,3-Dichlorobenzene

Concen: 2.119 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

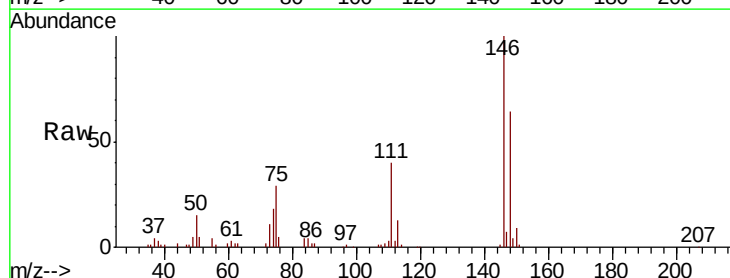
Tgt Ion:146 Resp: 47504

Ion Ratio Lower Upper

146 100

111 39.9 31.8 47.6

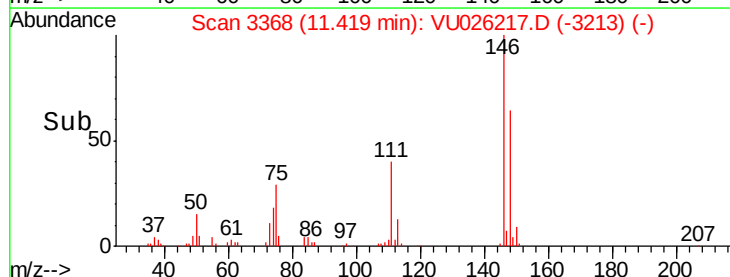
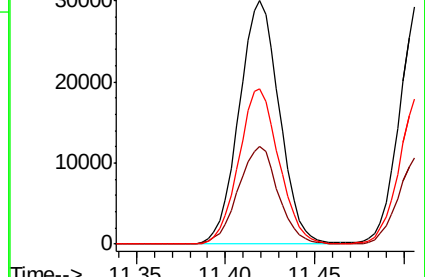
148 63.2 51.0 76.4

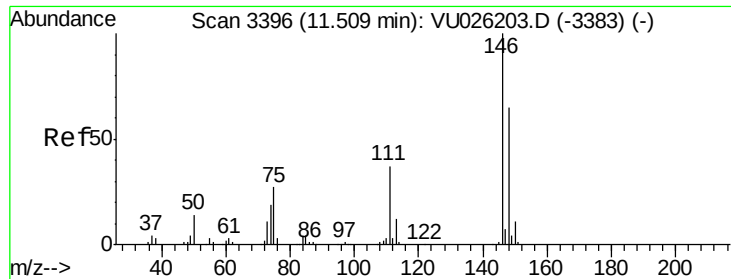


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#83

1,4-Dichlorobenzene

Concen: 2.095 ug/l

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU026217.D

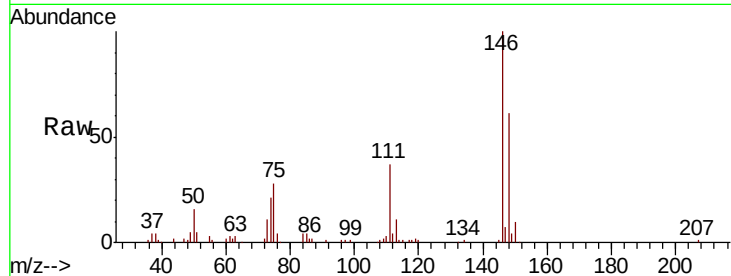
Acq: 20 Aug 2018 19:10

Instrument :

MSVOA\_U

ClientSampleId :

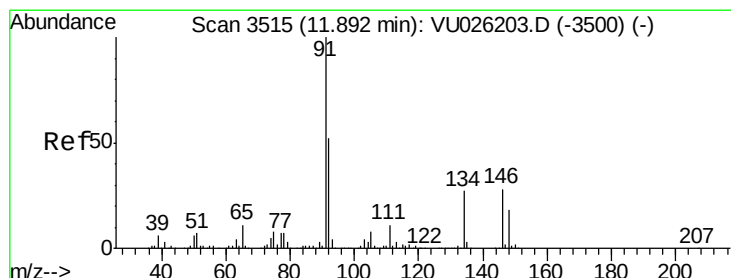
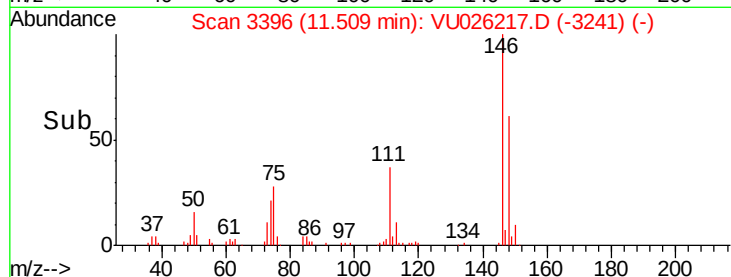
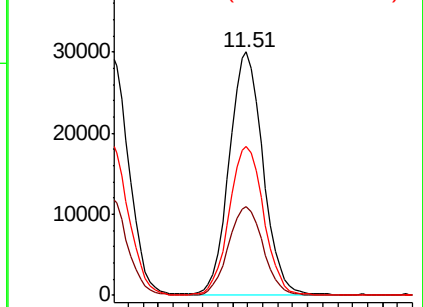
|             |       |             |
|-------------|-------|-------------|
| Tot Ion:146 | Resp: | 46875       |
| Ion         | Ratio | Lower Upper |
| 146         | 100   |             |
| 111         | 37.7  | 30.1 45.1   |
| 148         | 63.5  | 50.6 76.0   |



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: 1.960 ug/l

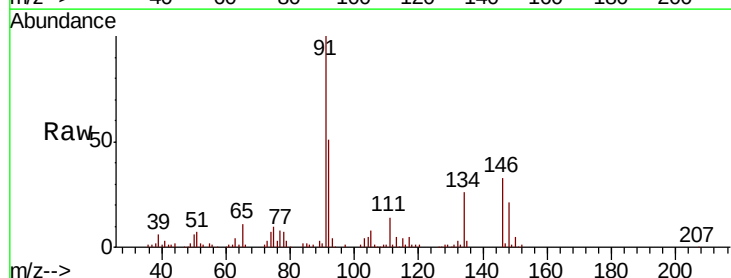
RT: 11.89 min Scan# 3515

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

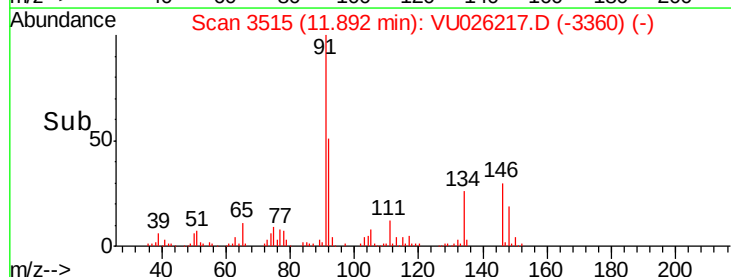
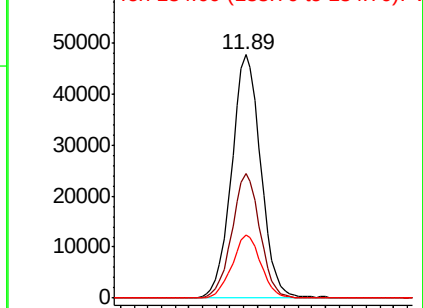
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 91 | Resp: | 70775       |
| Ion         | Ratio | Lower Upper |
| 91          | 100   |             |
| 92          | 49.3  | 42.2 63.2   |
| 134         | 25.5  | 20.3 30.5   |

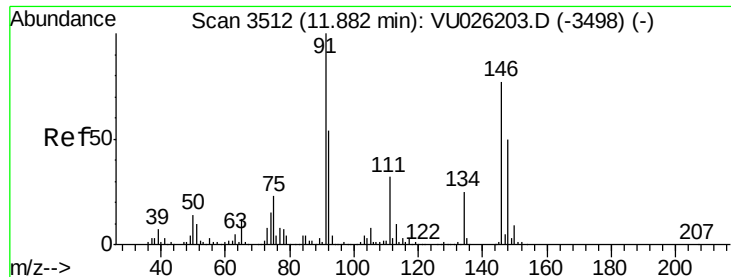


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V

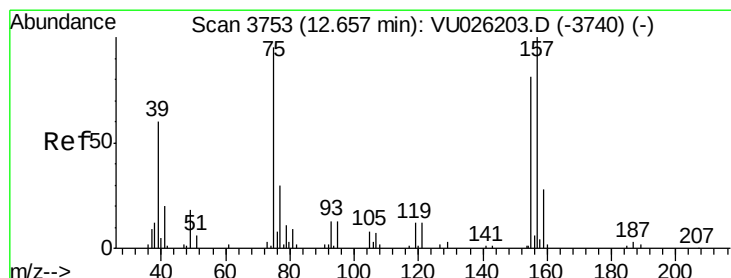
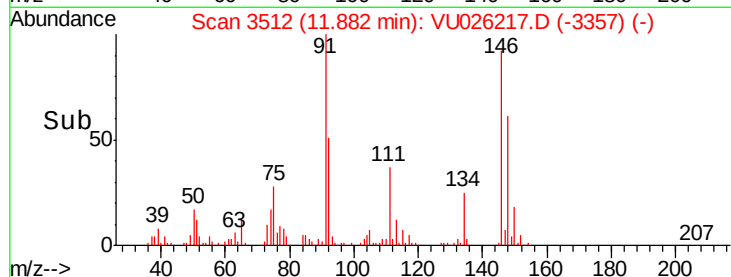
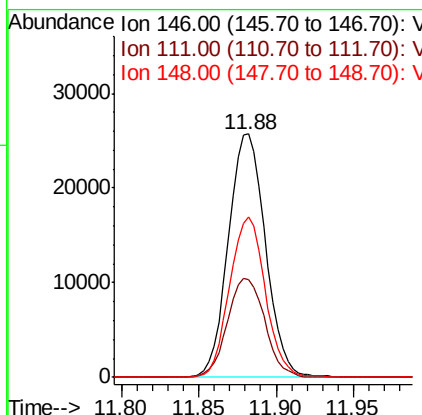
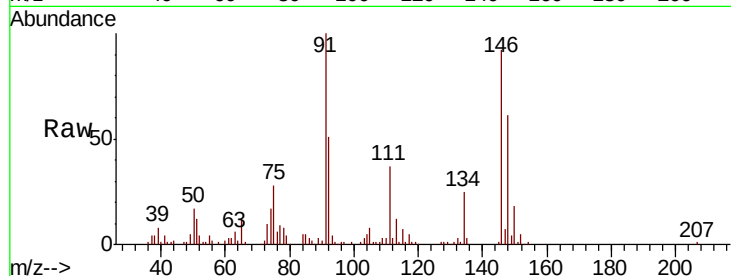




#85  
 1,2-Dichlorobenzene  
 Concen: 2.077 ug/l  
 RT: 11.88 min Scan# 3512  
 Delta R.T. -0.00 min  
 Lab File: VU026217.D  
 Acq: 20 Aug 2018 19:10

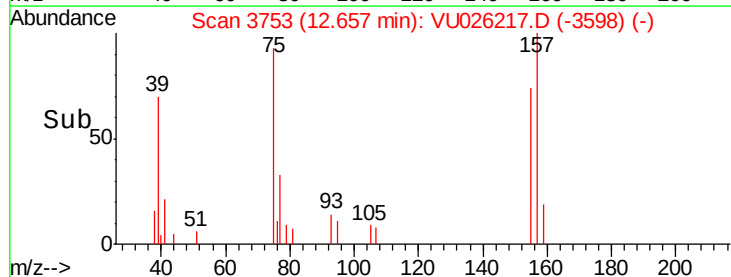
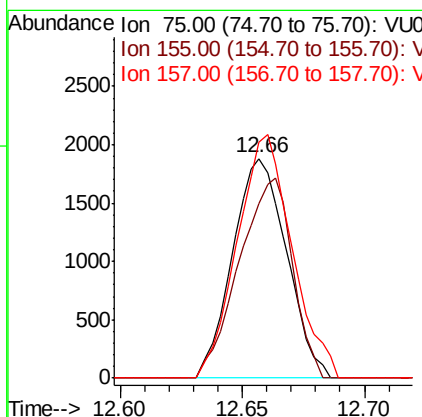
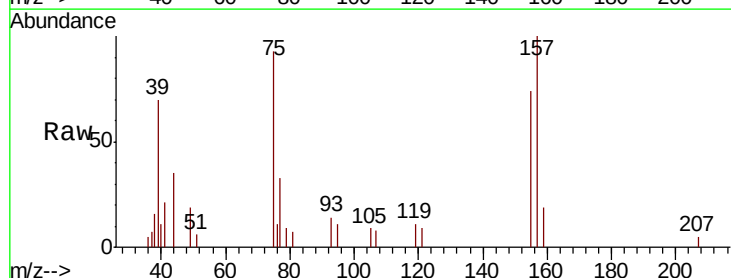
Instrument :  
 MSVOA\_U  
 ClientSampleId :

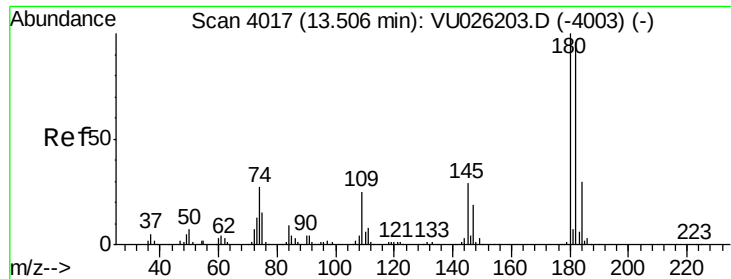
Tot Ion:146 Resp: 42757  
 Ion Ratio Lower Upper  
 146 100  
 111 41.1 20.7 62.1  
 148 63.5 31.9 95.5



#86  
 1,2-Dibromo-3-Chloropropane  
 Concen: 1.950 ug/l  
 RT: 12.66 min Scan# 3753  
 Delta R.T. -0.00 min  
 Lab File: VU026217.D  
 Acq: 20 Aug 2018 19:10

Tgt Ion: 75 Resp: 2894  
 Ion Ratio Lower Upper  
 75 100  
 155 89.7 65.8 98.6  
 157 112.1 83.5 125.3

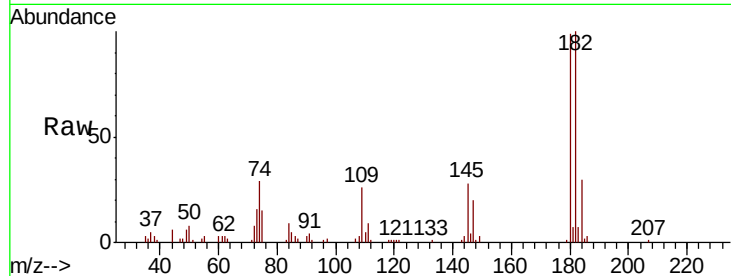




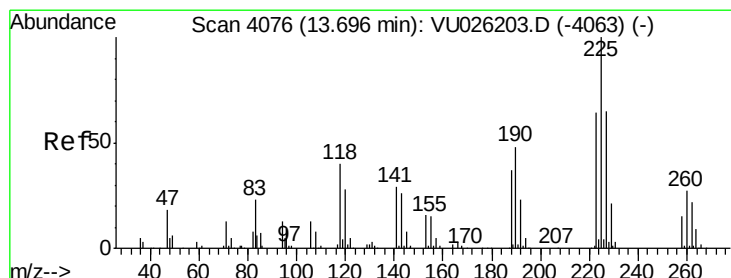
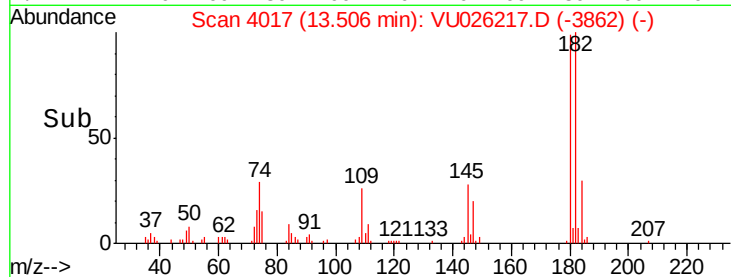
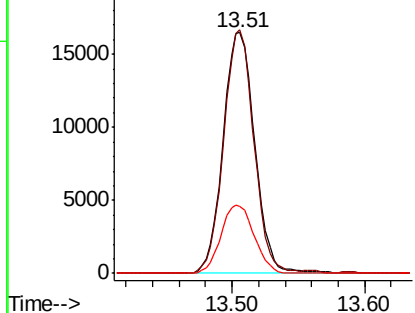
#87  
 1,2,4-Trichlorobenzene  
 Concen: 1.888 ug/l  
 RT: 13.51 min Scan# 4017  
 Delta R.T. -0.00 min  
 Lab File: VU026217.D  
 Acq: 20 Aug 2018 19:10

Instrument :  
 MSVOA\_U  
 ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 180   | Resp: | 27340 |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 96.2  | 77.1  | 115.7 |
| 145      | 29.4  | 23.3  | 34.9  |

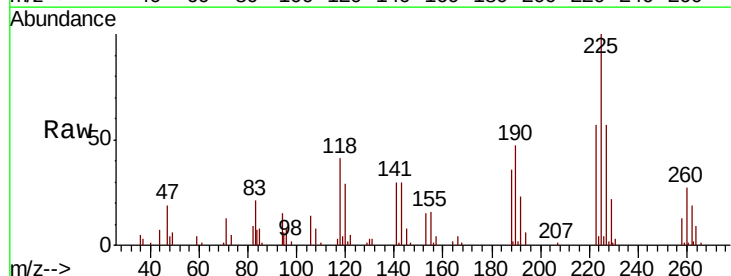


Abundance Ion 179.70 (179.40 to 180.40): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

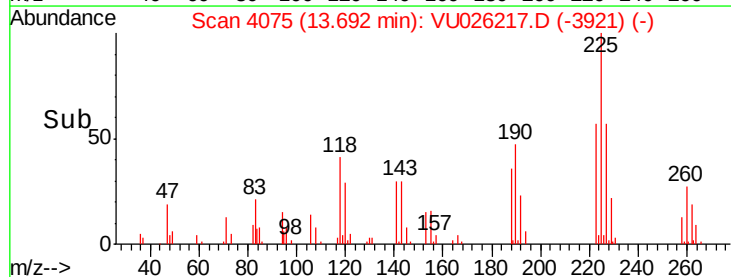
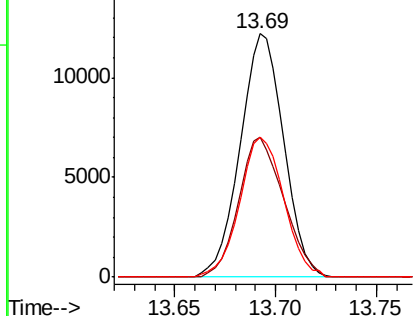


#88  
 Hexachlorobutadiene  
 Concen: 2.086 ug/l  
 RT: 13.69 min Scan# 4075  
 Delta R.T. -0.00 min  
 Lab File: VU026217.D  
 Acq: 20 Aug 2018 19:10

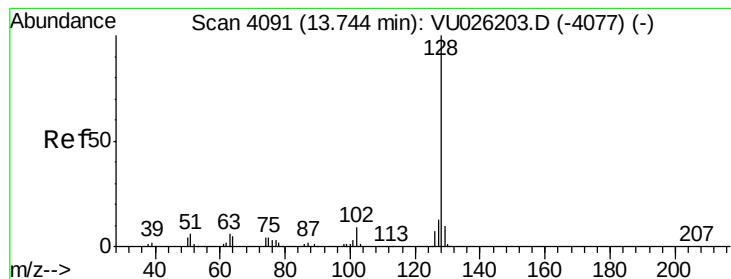
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 18475 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 59.3  | 50.6  | 75.8  |
| 227      | 58.4  | 51.8  | 77.6  |



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: 1.799 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Instrument :

MSVOA\_U

ClientSampleId :

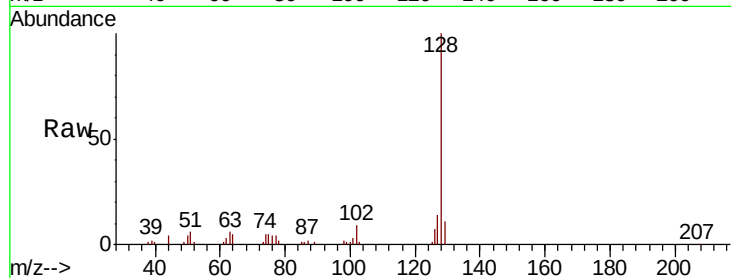
Tot Ion:128 Resp: 41018

Ion Ratio Lower Upper

128 100

127 13.7 10.5 15.7

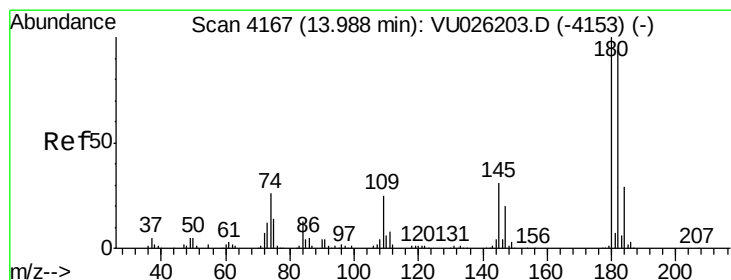
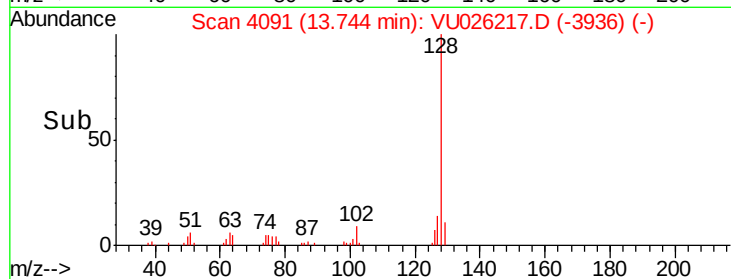
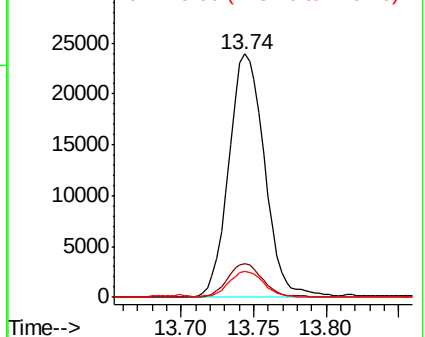
129 10.4 8.7 13.1



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: 1.980 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

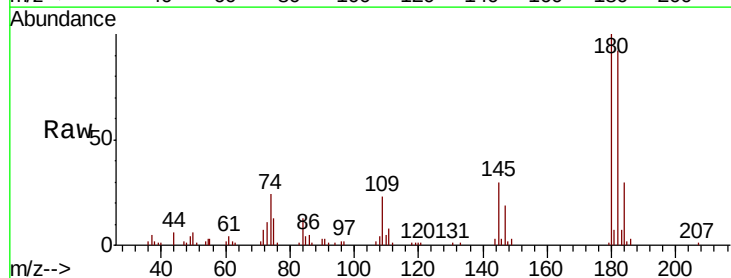
Tgt Ion:180 Resp: 27002

Ion Ratio Lower Upper

180 100

182 93.9 76.8 115.2

145 30.6 24.6 36.8



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

