

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010519\  
 Data File : VU029029.D  
 Acq On : 04 Jan 2019 15:52  
 Operator : MD/SY  
 Sample : VU0105WBSD01  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0105WBSD01

Quant Time: Jan 05 03:46:49 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U010319W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 04 02:22:53 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.98  | 168  | 112456   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.88  | 114  | 187190   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 177919   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 85312    | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 5.31   | 65  | 75651    | 54.42 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 108.84% |      |
| 35) Dibromofluoromethane  | 4.88   | 113 | 63422    | 52.27 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.54% |      |
| 50) Toluene-d8            | 7.56   | 98  | 245692   | 51.29 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.58% |      |
| 62) 4-Bromofluorobenzene  | 10.30  | 95  | 83766    | 48.66 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.32%  |      |

## Target Compounds

|                               |      |     |        |         |      | Qvalue |
|-------------------------------|------|-----|--------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.21 | 85  | 23530  | 21.099  | ug/l | 99     |
| 3) Chloromethane              | 1.33 | 50  | 37983  | 20.932  | ug/l | 98     |
| 4) Vinyl Chloride             | 1.40 | 62  | 34645  | 21.080  | ug/l | 98     |
| 5) Bromomethane               | 1.61 | 94  | 18185  | 19.680  | ug/l | 99     |
| 6) Chloroethane               | 1.69 | 64  | 20403  | 20.842  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 1.88 | 101 | 37539  | 20.962  | ug/l | 99     |
| 8) Diethyl Ether              | 2.10 | 74  | 17651  | 20.516  | ug/l | 93     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.28 | 101 | 24805  | 20.701  | ug/l | 98     |
| 10) Methyl Iodide             | 2.41 | 142 | 24420  | 21.674  | ug/l | 97     |
| 11) Tert butyl alcohol        | 2.83 | 59  | 33491  | 94.778  | ug/l | 98     |
| 12) 1,1-Dichloroethene        | 2.28 | 96  | 24088  | 20.653  | ug/l | 97     |
| 13) Acrolein                  | 2.19 | 56  | 25034  | 94.348  | ug/l | 98     |
| 14) Allyl chloride            | 2.59 | 41  | 46186  | 21.582  | ug/l | 98     |
| 15) Acrylonitrile             | 2.94 | 53  | 90557  | 104.458 | ug/l | 99     |
| 16) Acetone                   | 2.32 | 43  | 71768  | 81.950  | ug/l | 99     |
| 17) Carbon Disulfide          | 2.47 | 76  | 79565  | 20.270  | ug/l | 100    |
| 18) Methyl Acetate            | 2.62 | 43  | 41888  | 20.571  | ug/l | 100    |
| 19) Methyl tert-butyl Ether   | 3.00 | 73  | 83515  | 20.367  | ug/l | 100    |
| 20) Methylene Chloride        | 2.70 | 84  | 29946  | 20.140  | ug/l | 98     |
| 21) trans-1,2-Dichloroethene  | 2.98 | 96  | 26928  | 19.872  | ug/l | 97     |
| 22) Diisopropyl ether         | 3.57 | 45  | 89783  | 21.228  | ug/l | 99     |
| 23) Vinyl Acetate             | 3.52 | 43  | 366501 | 105.998 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 3.44 | 63  | 52823  | 21.635  | ug/l | 100    |
| 25) 2-Butanone                | 4.26 | 43  | 117228 | 99.107  | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 4.22 | 77  | 39152  | 19.846  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 4.22 | 96  | 30431  | 20.533  | ug/l | 98     |
| 28) Bromochloromethane        | 4.55 | 49  | 24273  | 23.217  | ug/l | 99     |
| 29) Tetrahydrofuran           | 4.64 | 42  | 75147  | 104.748 | ug/l | 99     |
| 30) Chloroform                | 4.67 | 83  | 49860  | 21.440  | ug/l | 99     |
| 31) Cyclohexane               | 4.99 | 56  | 48885  | 20.549  | ug/l | 98     |
| 32) 1,1,1-Trichloroethane     | 4.91 | 97  | 40416  | 21.033  | ug/l | 98     |
| 36) 1,1-Dichloropropene       | 5.13 | 75  | 36885  | 19.714  | ug/l | 98     |
| 37) Ethyl Acetate             | 4.38 | 43  | 42040  | 20.470  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 5.13 | 117 | 32404  | 20.765  | ug/l | 99     |

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 Operator : MD/SY  
 Sample : VU0105WBSD01  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0105WBSD01

Quant Time: Jan 05 03:46:49 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U010319W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 04 02:22:53 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 6.41  | 83   | 44326    | 19.270  | ug/l   | 99       |
| 40) Benzene                    | 5.39  | 78   | 121650   | 20.844  | ug/l   | 99       |
| 41) Methacrylonitrile          | 4.54  | 41   | 23203    | 21.106  | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 5.40  | 62   | 37084    | 21.146  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 5.55  | 43   | 66406    | 21.078  | ug/l   | 99       |
| 44) Trichloroethene            | 6.19  | 130  | 27883    | 19.282  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 6.43  | 63   | 32343    | 20.985  | ug/l   | 100      |
| 46) Dibromomethane             | 6.56  | 93   | 20225    | 20.528  | ug/l   | 98       |
| 47) Bromodichloromethane       | 6.76  | 83   | 38432    | 21.186  | ug/l   | 97       |
| 48) Methyl methacrylate        | 6.62  | 41   | 32807    | 21.386  | ug/l   | 97       |
| 49) 1,4-Dioxane                | 6.61  | 88   | 14030    | 385.920 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 7.46  | 43   | 222066   | 103.571 | ug/l   | 99       |
| 52) Toluene                    | 7.64  | 92   | 72011    | 20.268  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 7.88  | 75   | 43101    | 19.779  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 7.27  | 75   | 47423    | 20.140  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 8.06  | 97   | 30086    | 21.137  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 8.02  | 69   | 42989    | 19.604  | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 8.24  | 76   | 49637    | 20.380  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 7.12  | 63   | 98783    | 102.431 | ug/l   | 99       |
| 59) 2-Hexanone                 | 8.36  | 43   | 167398   | 99.462  | ug/l   | 98       |
| 60) Dibromochloromethane       | 8.48  | 129  | 28059    | 19.898  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 8.58  | 107  | 31323    | 20.290  | ug/l   | 98       |
| 64) Tetrachloroethene          | 8.22  | 164  | 24683    | 19.259  | ug/l   | 96       |
| 65) Chlorobenzene              | 9.12  | 112  | 77577    | 19.452  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 9.21  | 131  | 26440    | 20.429  | ug/l   | 100      |
| 67) Ethyl Benzene              | 9.25  | 91   | 130269   | 19.565  | ug/l   | 99       |
| 68) m/p-Xylenes                | 9.37  | 106  | 100575   | 38.875  | ug/l   | 99       |
| 69) o-Xylene                   | 9.78  | 106  | 48765    | 19.563  | ug/l   | 99       |
| 70) Styrene                    | 9.79  | 104  | 80079    | 19.596  | ug/l   | 99       |
| 71) Bromoform                  | 9.96  | 173  | 22556    | 19.573  | ug/l # | 100      |
| 73) Isopropylbenzene           | 10.16 | 105  | 126518   | 20.036  | ug/l   | 100      |
| 74) N-amyl acetate             | 10.01 | 43   | 55677    | 20.462  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 51455    | 20.332  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 10.49 | 75   | 57076    | 27.305  | ug/l   | 83       |
| 77) Bromobenzene               | 10.45 | 156  | 32389    | 19.683  | ug/l   | 98       |
| 78) n-propylbenzene            | 10.58 | 91   | 149382   | 20.074  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 10.66 | 91   | 91094    | 20.180  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 10.77 | 105  | 104850   | 19.884  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 10.49 | 75   | 57076    | 70.422  | ug/l # | 100      |
| 82) 4-Chlorotoluene            | 10.77 | 91   | 101945   | 19.695  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 11.10 | 119  | 102733   | 19.766  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 11.15 | 105  | 106272   | 20.186  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.32 | 105  | 124752   | 19.847  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 11.47 | 119  | 105638   | 19.723  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 11.41 | 146  | 57464    | 19.038  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 11.50 | 146  | 58584    | 18.803  | ug/l   | 99       |
| 89) n-Butylbenzene             | 11.89 | 91   | 90731    | 18.979  | ug/l   | 98       |
| 90) Hexachloroethane           | 12.14 | 117  | 17722    | 19.668  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene        | 11.88 | 146  | 58033    | 19.089  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.66 | 75   | 10008    | 20.560  | ug/l   | 94       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU010519\  
Data File : VU029029.D  
Acq On : 04 Jan 2019 15:52  
Operator : MD/SY  
Sample : VU0105WBSD01  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 9 Sample Multiplier: 1

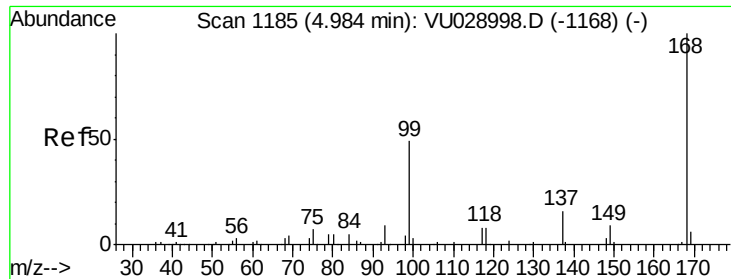
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0105WBSD01

Quant Time: Jan 05 03:46:49 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U010319W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jan 04 02:22:53 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.50 | 180  | 33997    | 17.518 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 13.69 | 225  | 16217    | 18.269 | ug/l  | 99       |
| 95) Naphthalene            | 13.74 | 128  | 113359   | 17.171 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 13.99 | 180  | 36749    | 18.884 | ug/l  | 97       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU029029.D

Acq: 04 Jan 2019 15:52

Instrument :

MSVOA\_U

ClientSampleId :

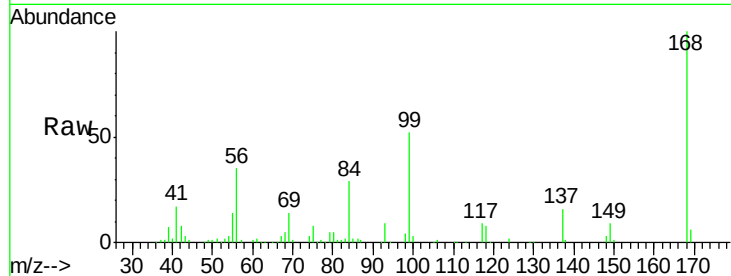
VU0105WBSD01

Tot Ion:168 Resp: 112456

Ion Ratio Lower Upper

168 100

99 51.8 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028998.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028998.D (-1168) (-)

4.98

50000

40000

30000

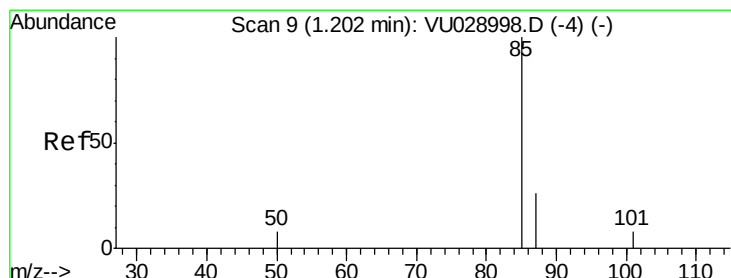
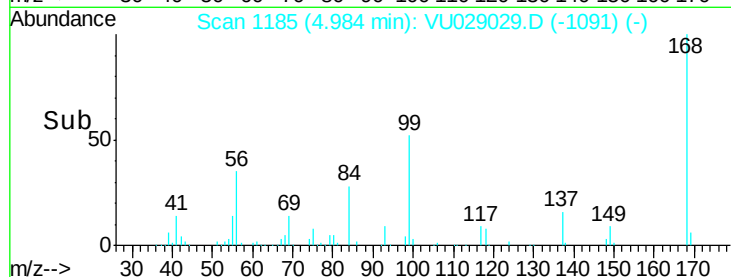
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 21.099 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029029.D

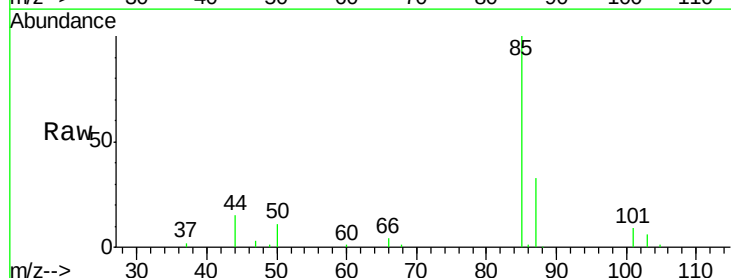
Acq: 04 Jan 2019 15:52

Tgt Ion: 85 Resp: 23530

Ion Ratio Lower Upper

85 100

87 32.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VU028998.D (-4) (-)

Ion 86.90 (86.60 to 87.60): VU028998.D (-4) (-)

1.21

25000

20000

15000

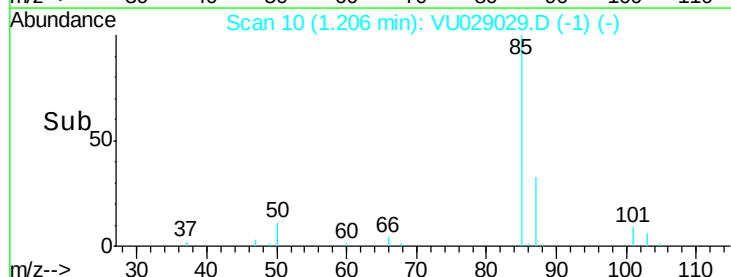
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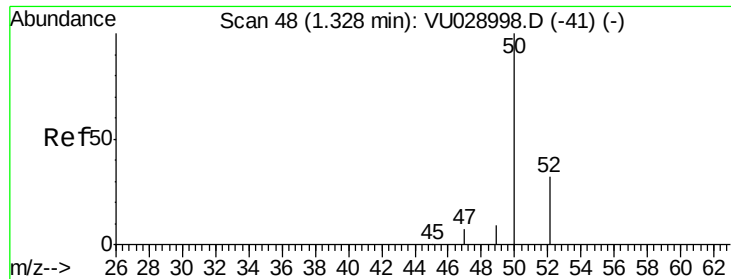
5000

0

1.20 1.21 1.22 1.23

Time-->





#3

Chloromethane

Concen: 20.932 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029029.D

Acq: 04 Jan 2019 15:52

Instrument :

MSVOA\_U

ClientSampleId :

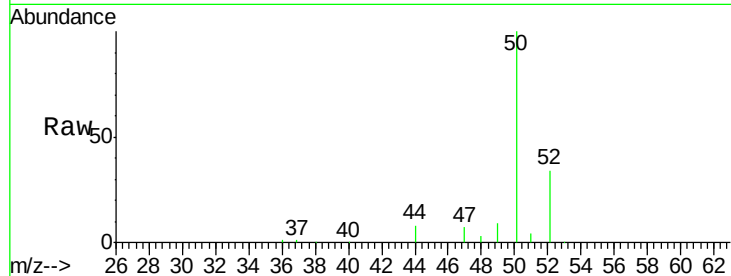
VU0105WBSD01

Tot Ion: 50 Resp: 37983

Ion Ratio Lower Upper

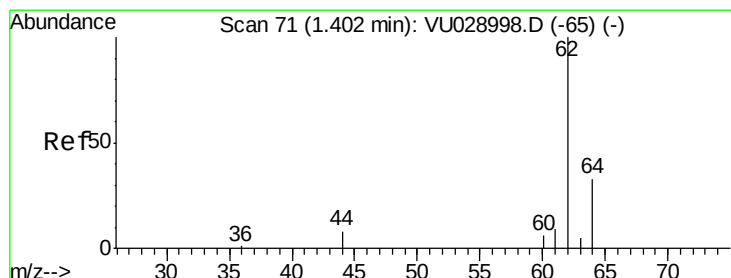
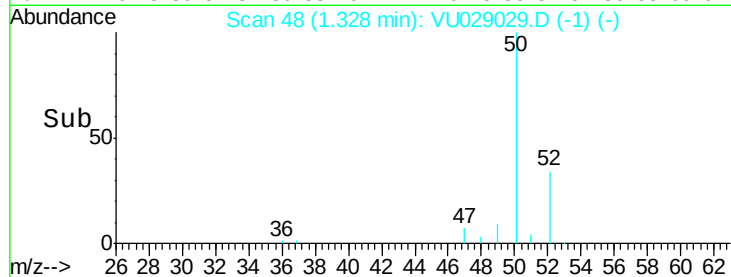
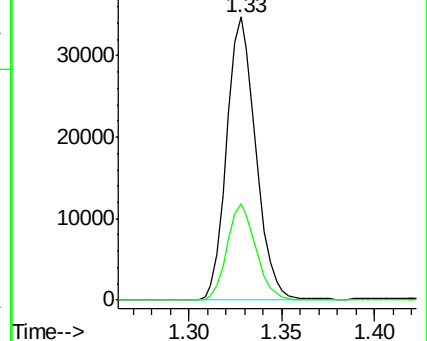
50 100

52 34.0 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 21.080 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029029.D

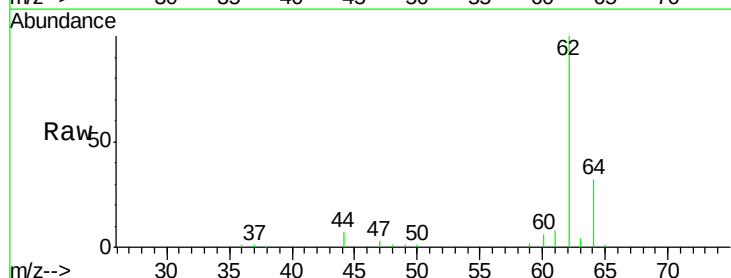
Acq: 04 Jan 2019 15:52

Tgt Ion: 62 Resp: 34645

Ion Ratio Lower Upper

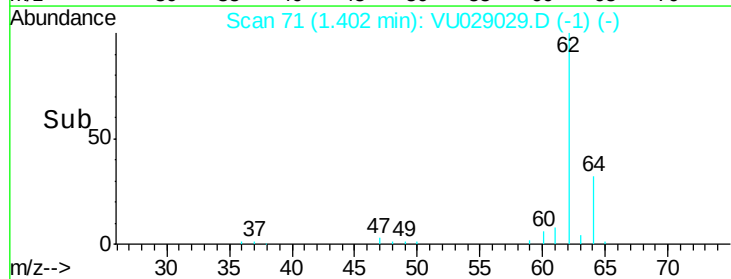
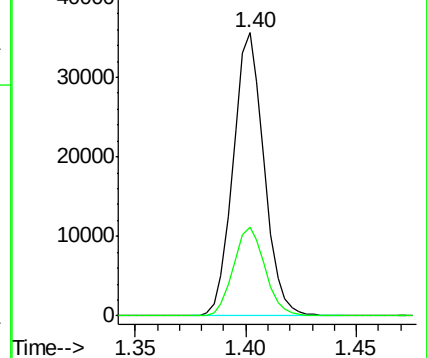
62 100

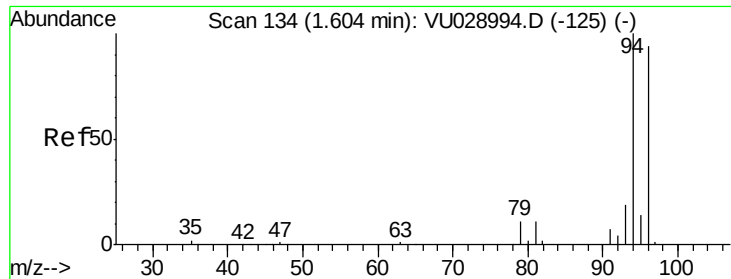
64 31.5 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 19.680 ug/l

RT: 1.61 min Scan# 136

Delta R.T. 0.01 min

Lab File: VU029029.D

Acq: 04 Jan 2019 15:52

Instrument :

MSVOA\_U

ClientSampleId :

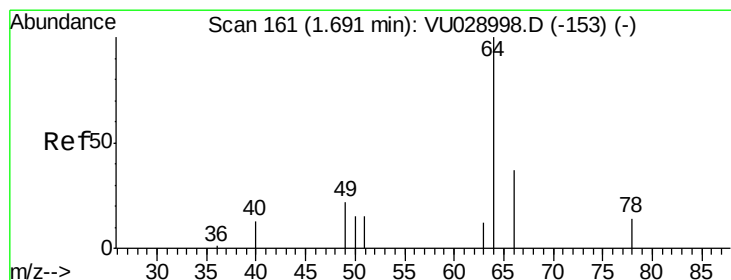
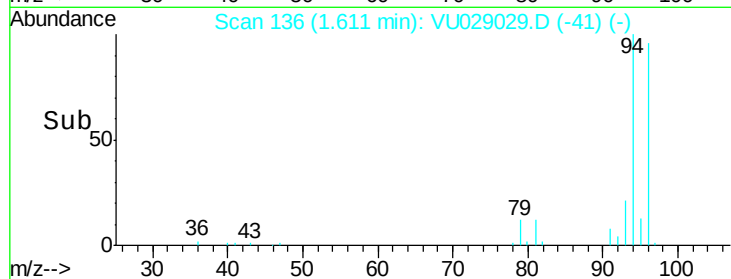
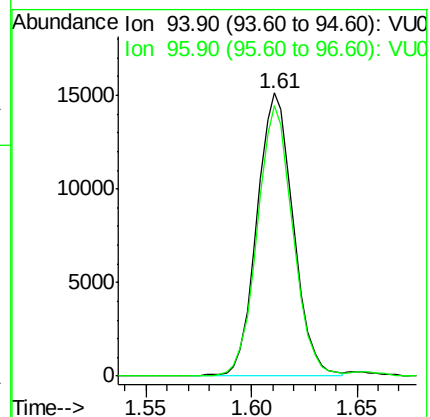
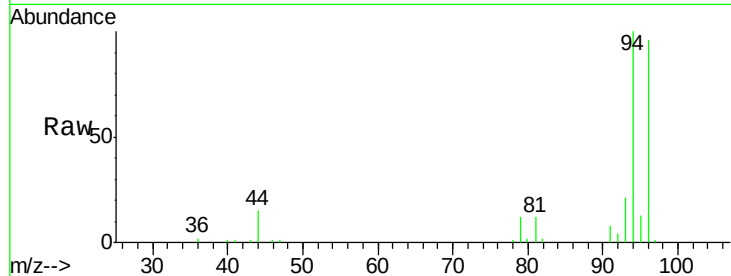
VU0105WBSD01

Tot Ion: 94 Resp: 18185

Ion Ratio Lower Upper

94 100

96 95.6 75.5 113.3



#6

Chloroethane

Concen: 20.842 ug/l

RT: 1.69 min Scan# 160

Delta R.T. 0.01 min

Lab File: VU029029.D

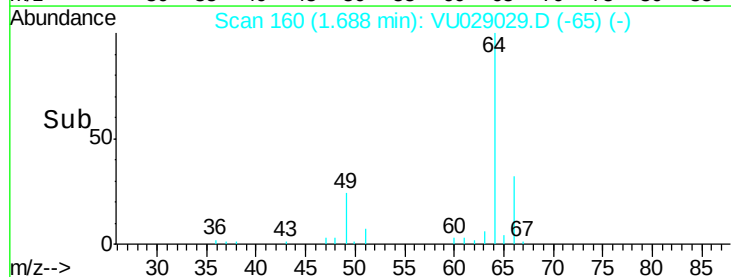
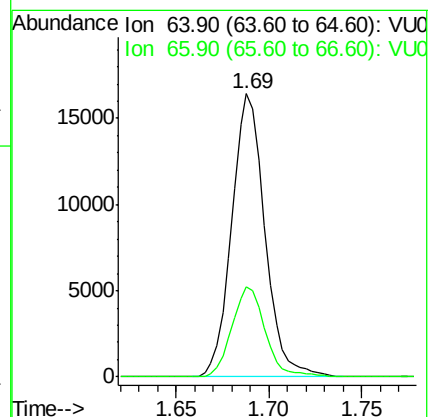
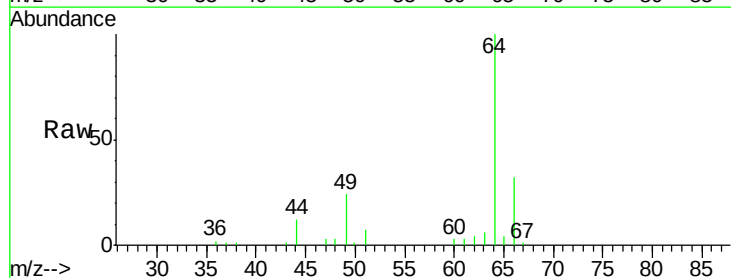
Acq: 04 Jan 2019 15:52

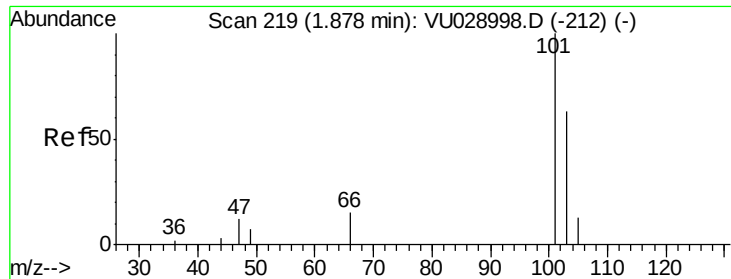
Tgt Ion: 64 Resp: 20403

Ion Ratio Lower Upper

64 100

66 31.9 25.2 37.8



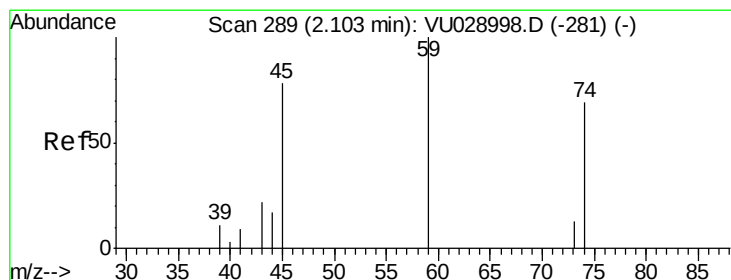
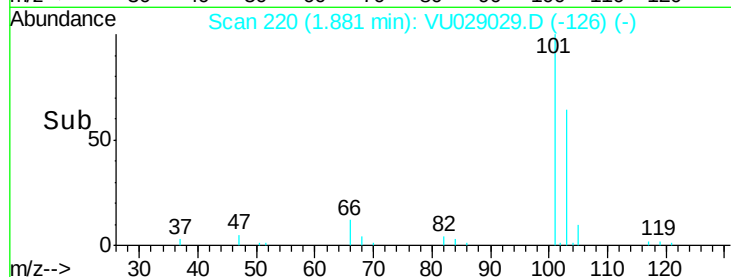
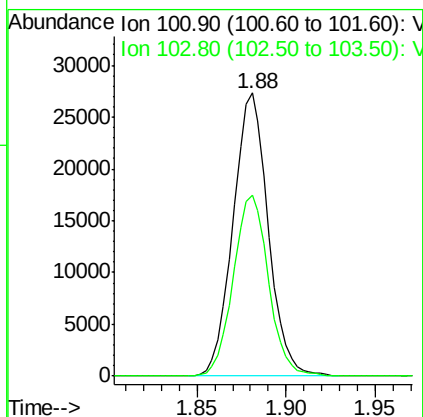
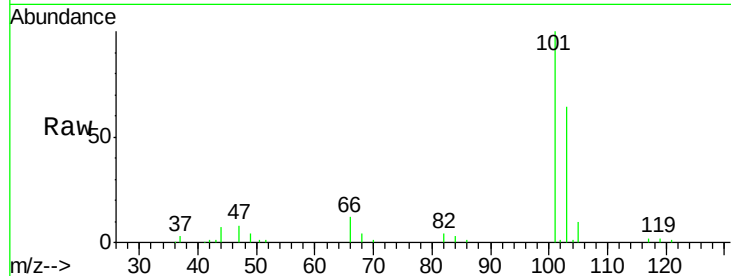


#7

Trichlorofluoromethane  
 Concen: 20.962 ug/l  
 RT: 1.88 min Scan# 220  
 Delta R.T. 0.00 min  
 Lab File: VU029029.D  
 Acq: 04 Jan 2019 15:52

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0105WBSD01

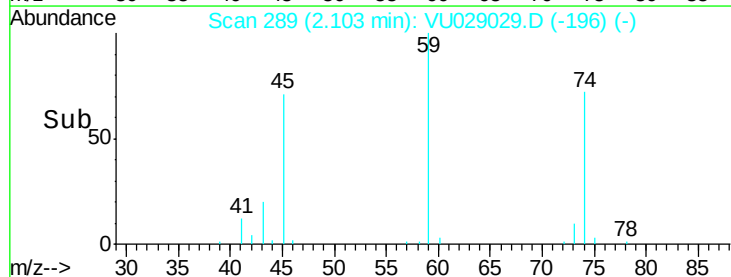
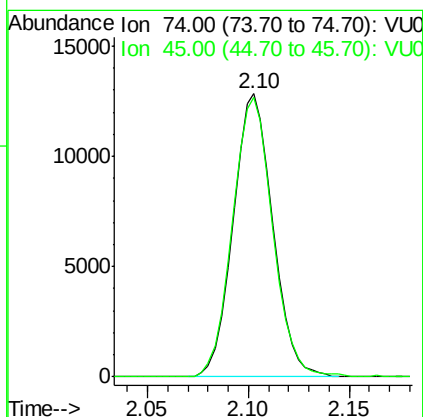
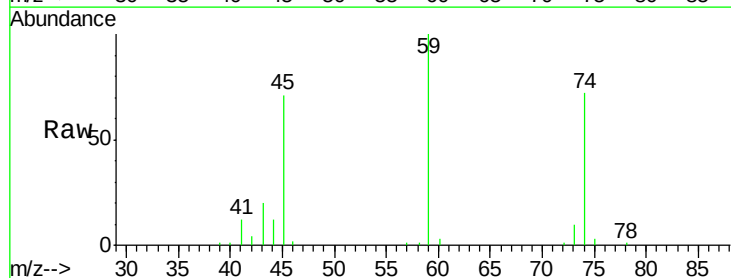
Tot Ion:101 Resp: 37539  
 Ion Ratio Lower Upper  
 101 100  
 103 64.0 51.5 77.3



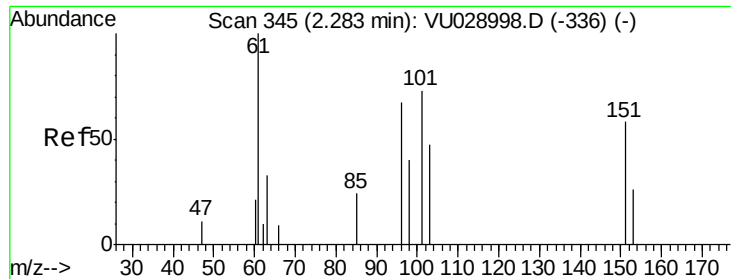
#8

Diethyl Ether  
 Concen: 20.516 ug/l  
 RT: 2.10 min Scan# 289  
 Delta R.T. 0.00 min  
 Lab File: VU029029.D  
 Acq: 04 Jan 2019 15:52

Tgt Ion: 74 Resp: 17651  
 Ion Ratio Lower Upper  
 74 100  
 45 100.3 46.9 140.6







#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.701 ug/l

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU029029.D

Acq: 04 Jan 2019 15:52

Instrument :

MSVOA\_U

ClientSampleId :

VU0105WBSD01

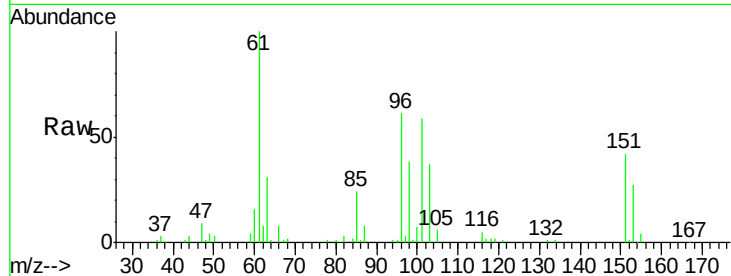
Tot Ion:101 Resp: 24805

Ion Ratio Lower Upper

101 100

85 41.8 35.1 52.7

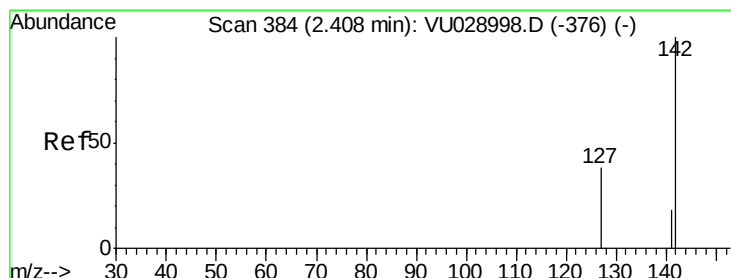
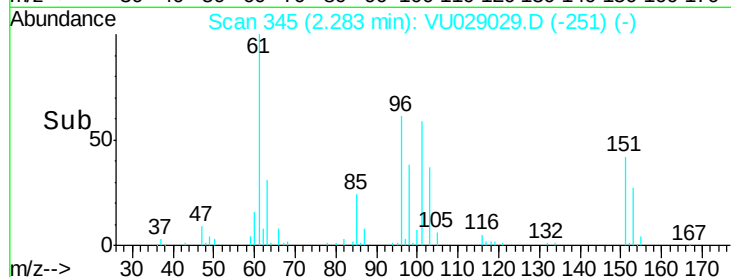
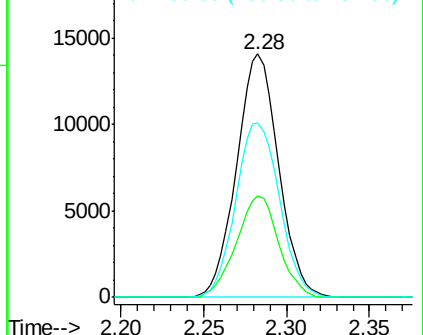
151 74.7 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.674 ug/l

RT: 2.41 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU029029.D

Acq: 04 Jan 2019 15:52

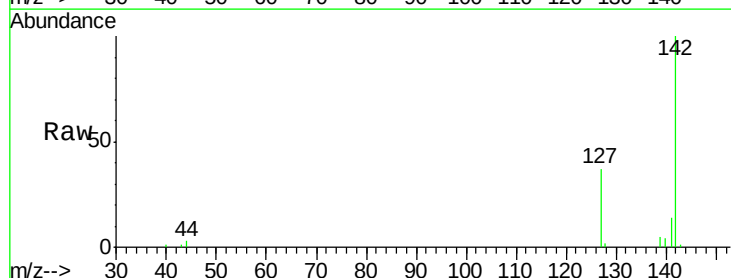
Tgt Ion:142 Resp: 24420

Ion Ratio Lower Upper

142 100

127 39.1 29.8 44.6

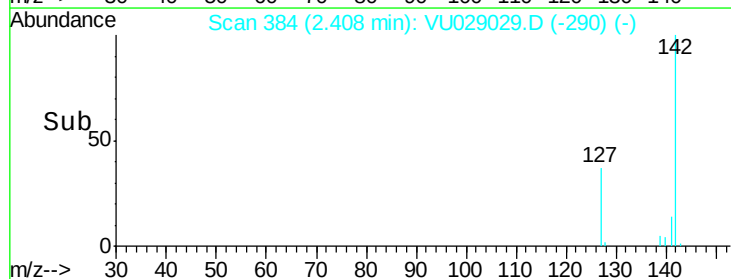
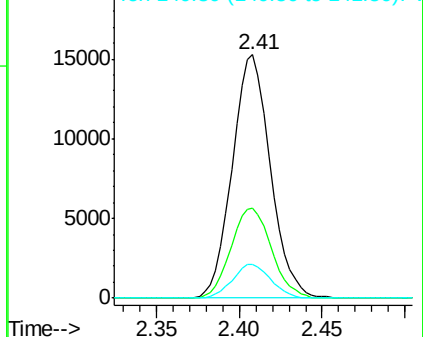
141 13.8 11.5 17.3

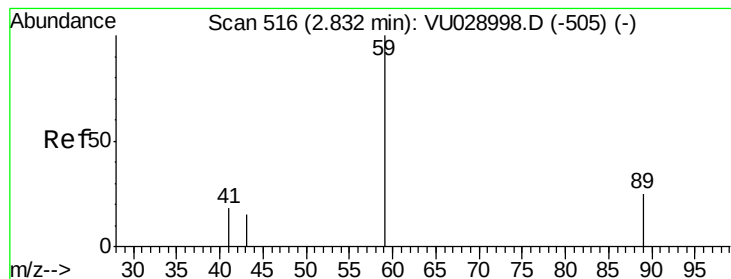


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 94.778 ug/l

RT: 2.83 min Scan# 515

Delta R.T. -0.00 min

Lab File: VU029029.D

Acq: 04 Jan 2019 15:52

Instrument :

MSVOA\_U

ClientSampleId :

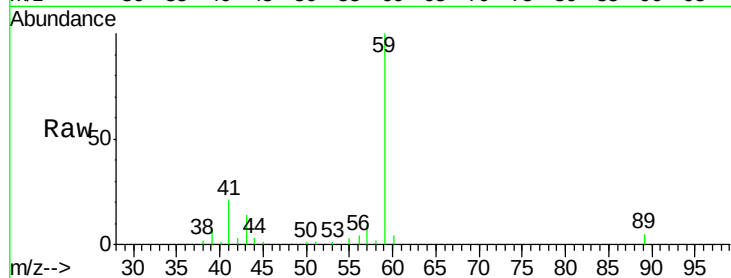
VU0105WBSD01

Tot Ion: 59 Resp: 33491

Ion Ratio Lower Upper

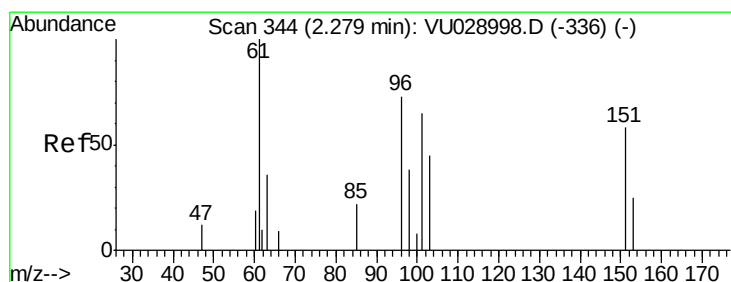
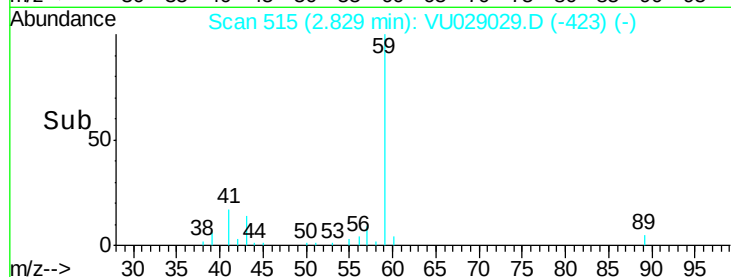
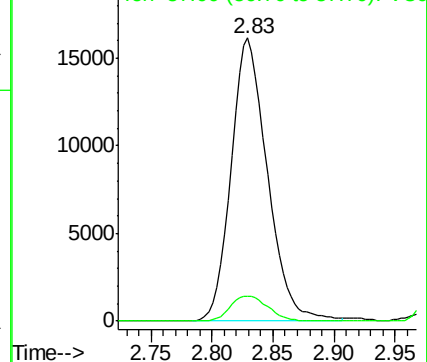
59 100

57 9.2 7.9 11.9



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



#12

1,1-Dichloroethene

Concen: 20.653 ug/l

RT: 2.28 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU029029.D

Acq: 04 Jan 2019 15:52

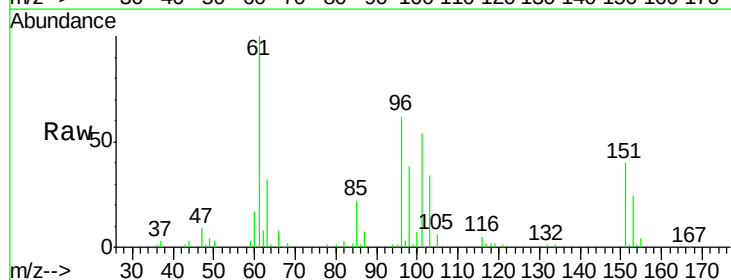
Tgt Ion: 96 Resp: 24088

Ion Ratio Lower Upper

96 100

61 161.6 125.4 188.0

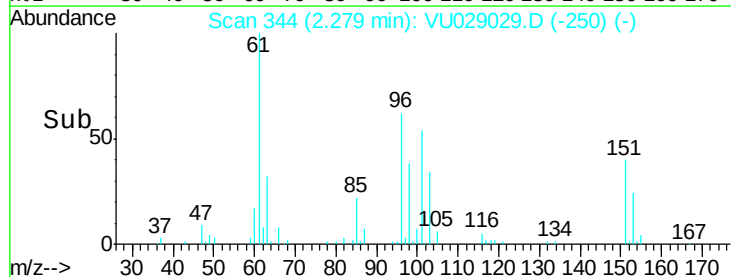
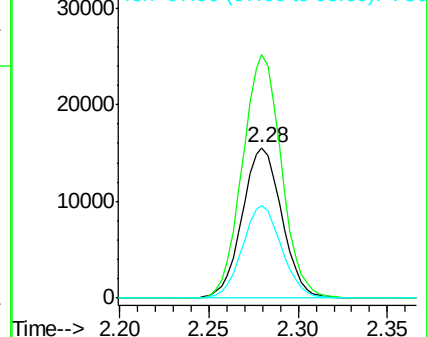
98 61.6 49.7 74.5

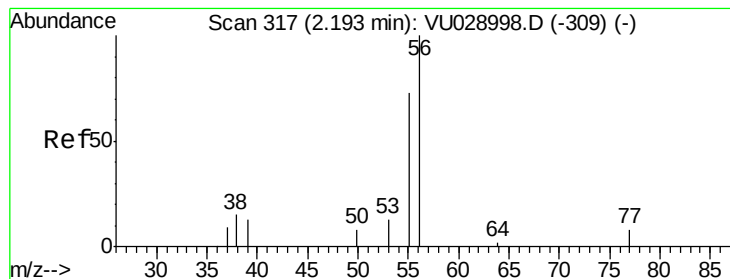


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#13

Acrolein

Concen: 94.348 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU029029.D

Acq: 04 Jan 2019 15:52

Instrument :

MSVOA\_U

ClientSampleId :

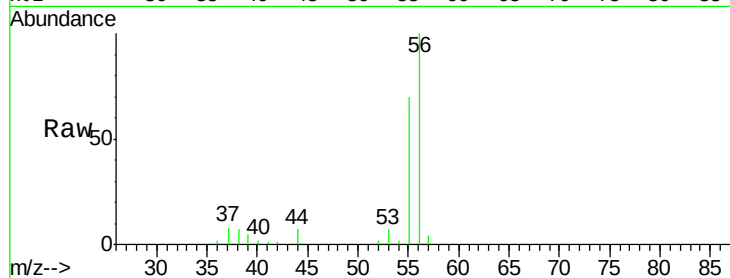
VU0105WBSD01

Tot Ion: 56 Resp: 25034

Ion Ratio Lower Upper

56 100

55 72.0 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.19

15000

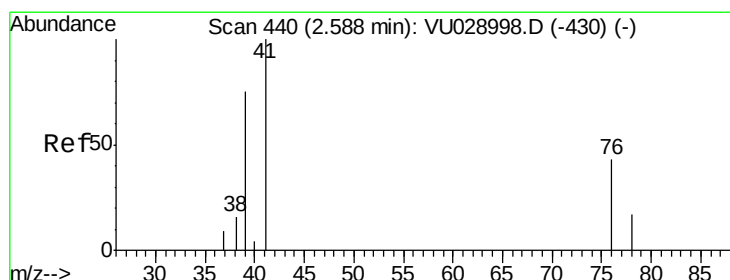
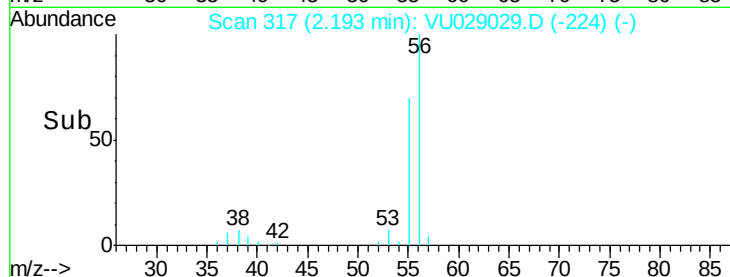
10000

5000

0

Time-->

2.15 2.20 2.25 2.30



#14

Allyl chloride

Concen: 21.582 ug/l

RT: 2.59 min Scan# 440

Delta R.T. 0.00 min

Lab File: VU029029.D

Acq: 04 Jan 2019 15:52

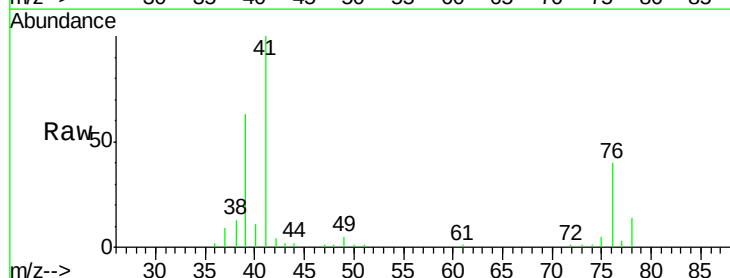
Tgt Ion: 41 Resp: 46186

Ion Ratio Lower Upper

41 100

39 54.9 45.0 67.6

76 34.4 28.1 42.1



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

60000

50000

40000

30000

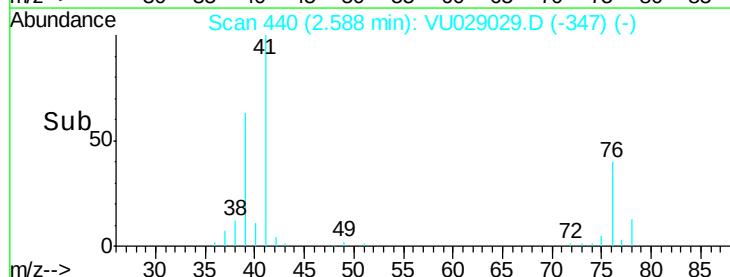
20000

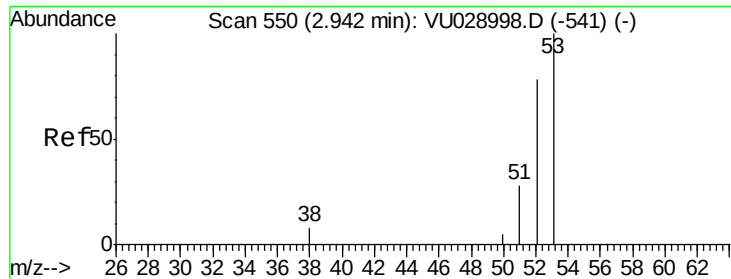
10000

0

Time-->

2.50 2.60 2.70





#15

Acrylonitrile

Concen: 104.458 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU029029.D

Acq: 04 Jan 2019 15:52

Instrument :

MSVOA\_U

ClientSampleId :

VU0105WBSD01

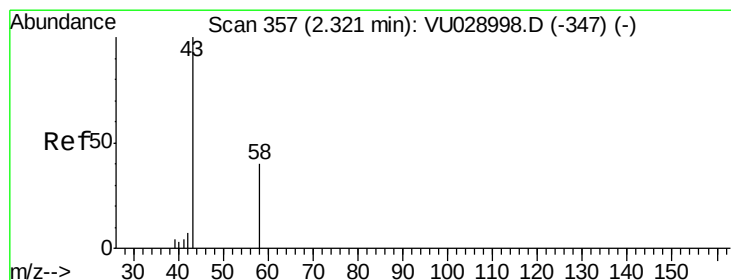
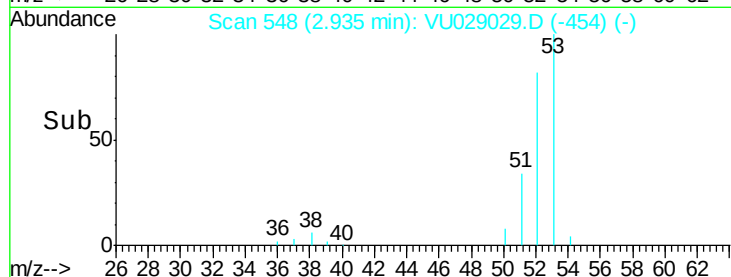
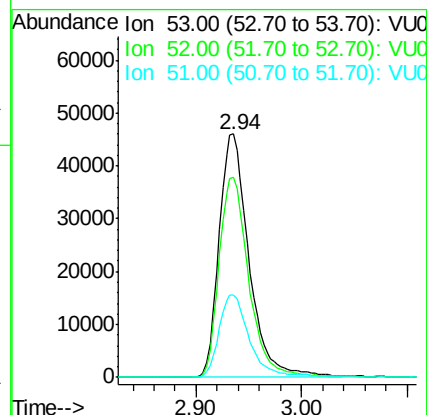
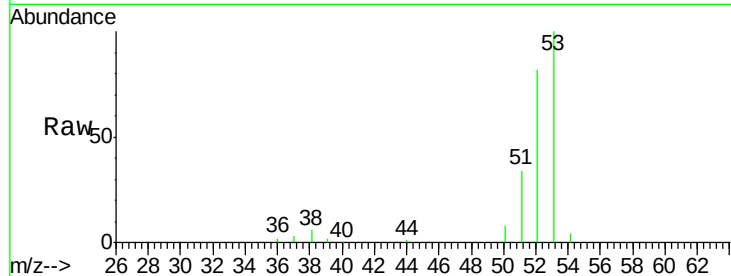
Tot Ion: 53 Resp: 90557

Ion Ratio Lower Upper

53 100

52 81.5 64.8 97.2

51 33.6 27.3 40.9



#16

Acetone

Concen: 81.950 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU029029.D

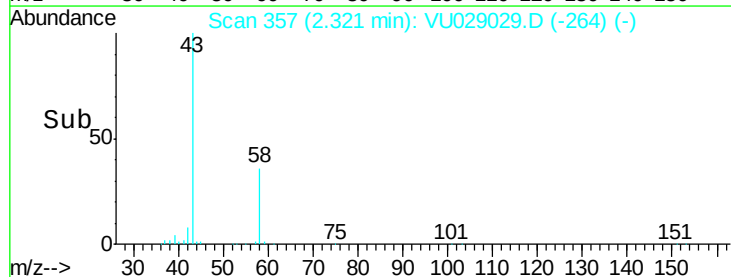
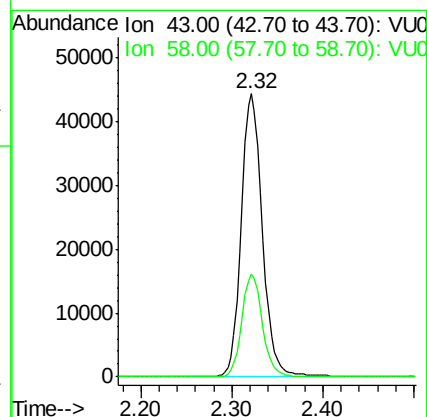
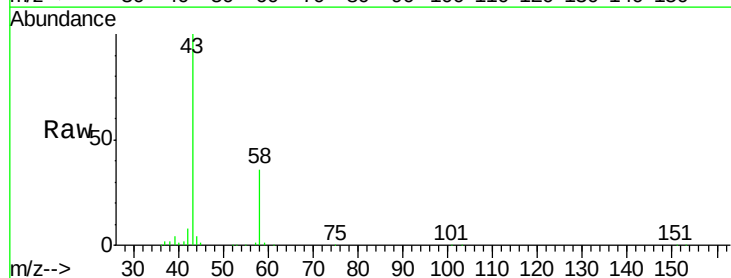
Acq: 04 Jan 2019 15:52

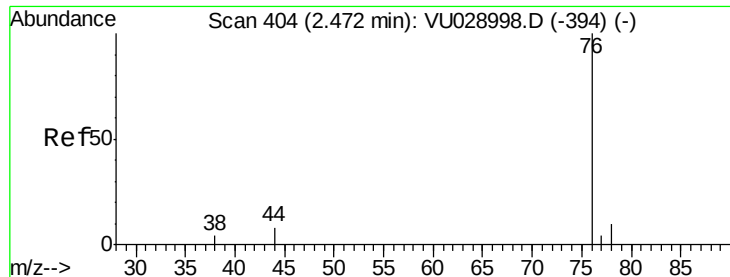
Tgt Ion: 43 Resp: 71768

Ion Ratio Lower Upper

43 100

58 36.2 28.6 42.8





#17

Carbon Disulfide

Concen: 20.270 ug/l

RT: 2.47 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU029029.D

Acq: 04 Jan 2019 15:52

Instrument :

MSVOA\_U

ClientSampleId :

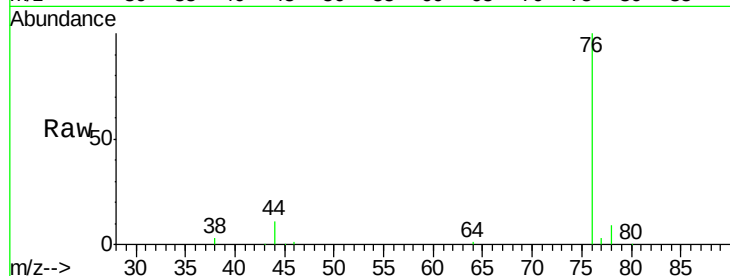
VU0105WBSD01

Tot Ion: 76 Resp: 79565

Ion Ratio Lower Upper

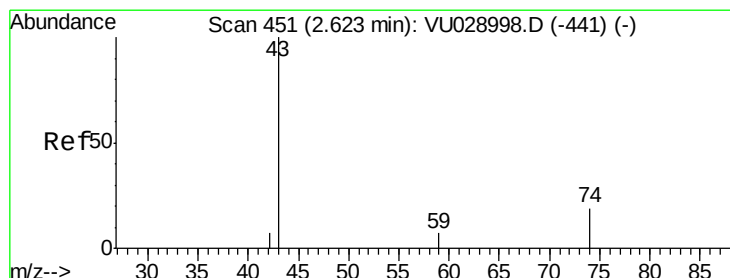
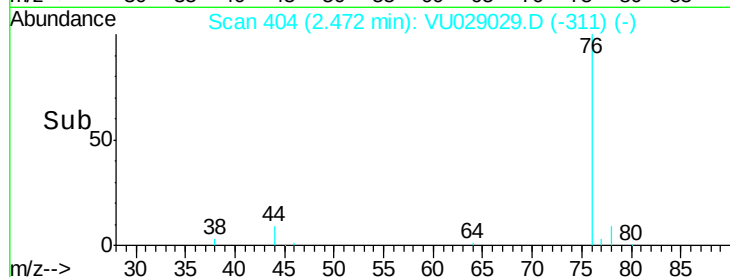
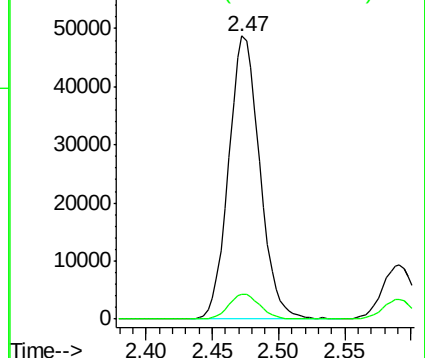
76 100

78 9.0 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 20.571 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU029029.D

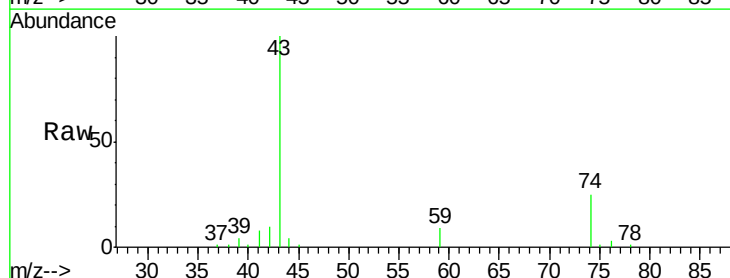
Acq: 04 Jan 2019 15:52

Tgt Ion: 43 Resp: 41888

Ion Ratio Lower Upper

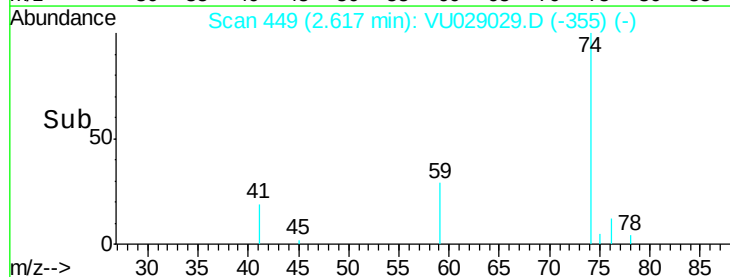
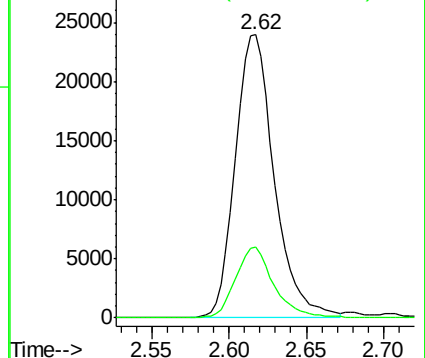
43 100

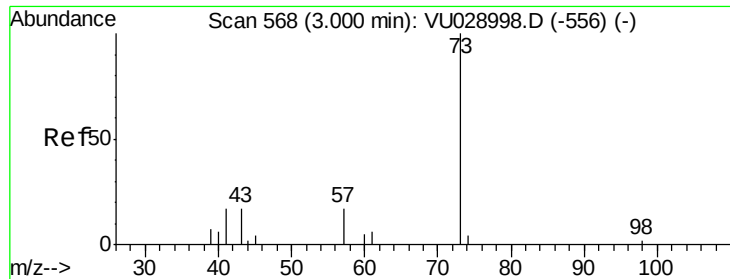
74 24.5 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

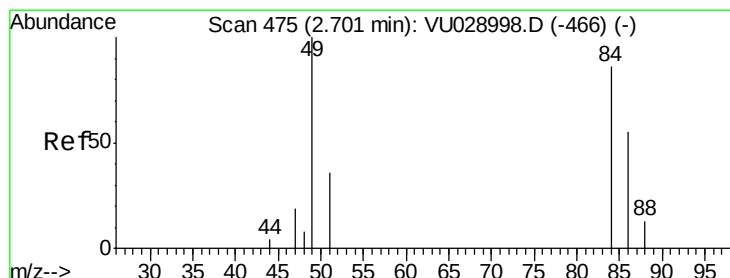
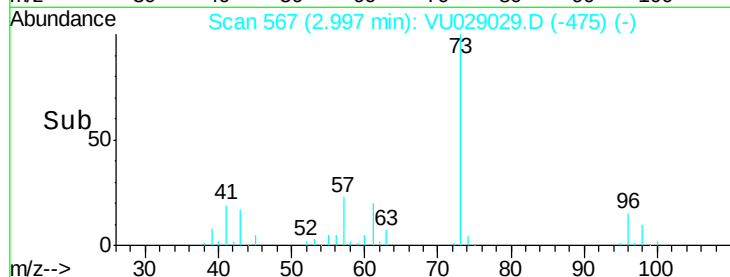
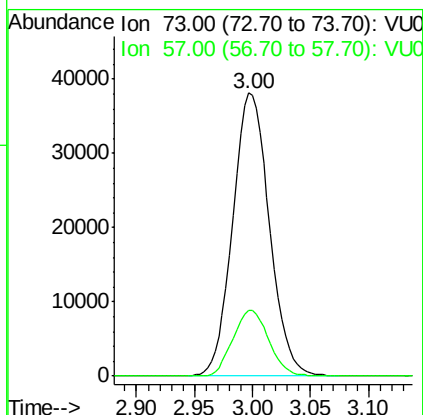
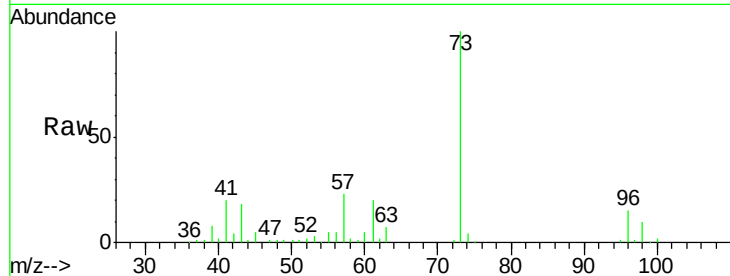




#19  
Methyl tert-butyl Ether  
Concen: 20.367 ug/l  
RT: 3.00 min Scan# 567  
Delta R.T. -0.00 min  
Lab File: VU029029.D  
Acq: 04 Jan 2019 15:52

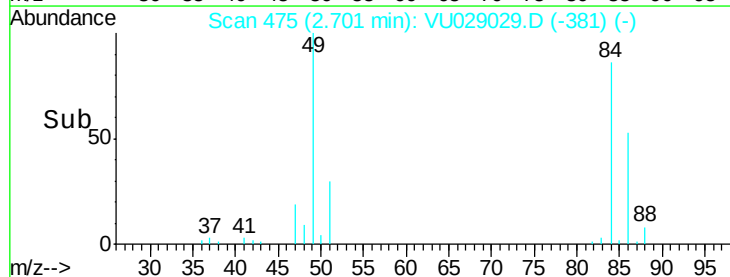
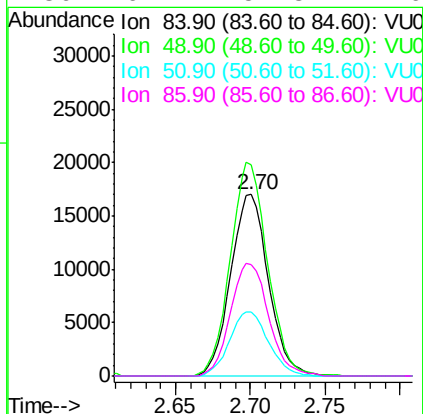
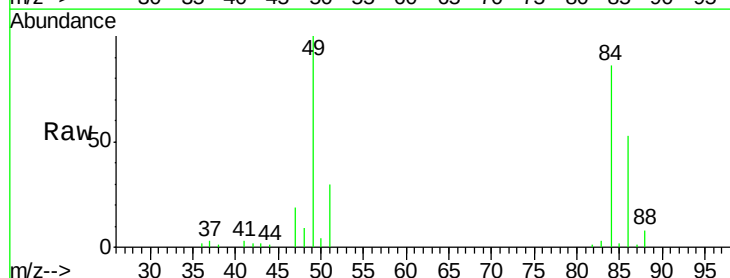
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0105WBSD01

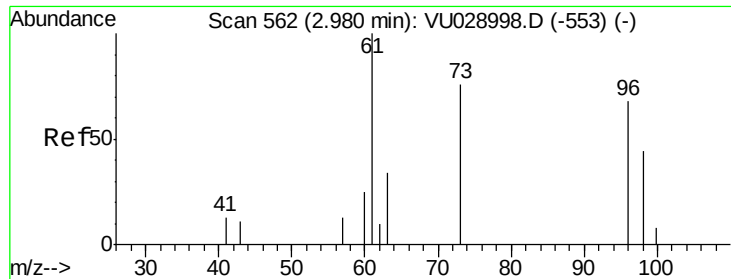
Tot Ion: 73 Resp: 83515  
Ion Ratio Lower Upper  
73 100  
57 23.2 18.6 28.0



#20  
Methylene Chloride  
Concen: 20.140 ug/l  
RT: 2.70 min Scan# 475  
Delta R.T. 0.00 min  
Lab File: VU029029.D  
Acq: 04 Jan 2019 15:52

Tgt Ion: 84 Resp: 29946  
Ion Ratio Lower Upper  
84 100  
49 116.2 91.9 137.9  
51 35.3 29.2 43.8  
86 61.4 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.872 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU029029.D

Acq: 04 Jan 2019 15:52

Instrument :

MSVOA\_U

ClientSampleId :

VU0105WBSD01

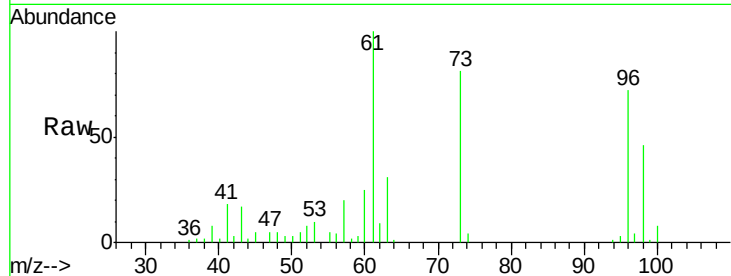
Tot Ion: 96 Resp: 26928

Ion Ratio Lower Upper

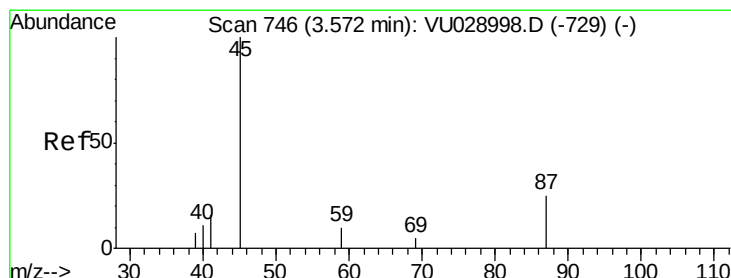
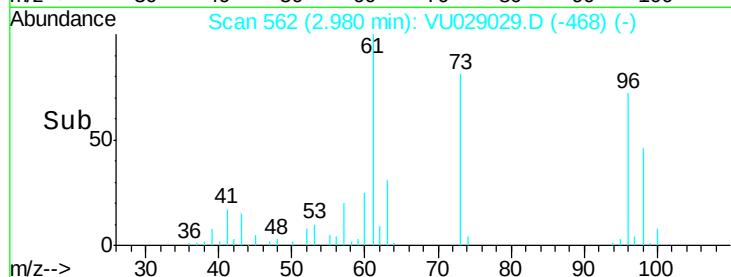
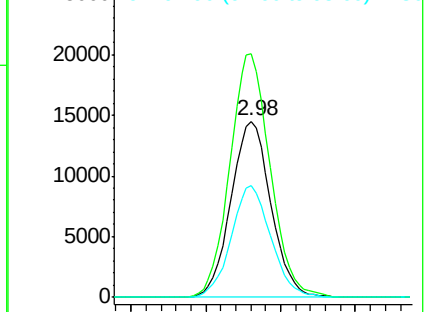
96 100

61 138.1 107.7 161.5

98 63.3 49.2 73.8



Abundance Ion 95.90 (95.60 to 96.60): VU0  
Ion 60.90 (60.60 to 61.60): VU0  
Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 21.228 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU029029.D

Acq: 04 Jan 2019 15:52

Tgt Ion: 45 Resp: 89783

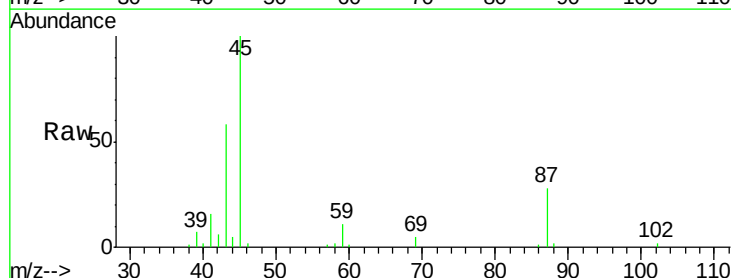
Ion Ratio Lower Upper

45 100

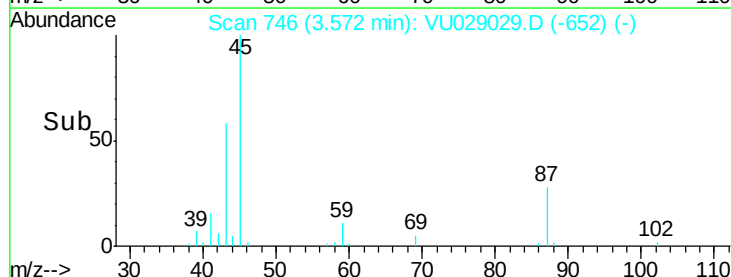
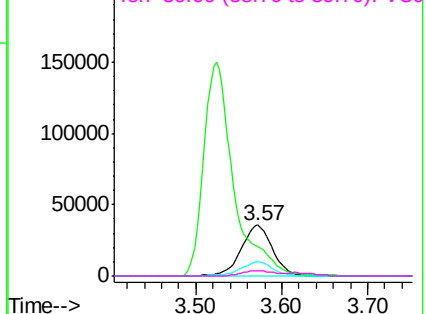
43 56.7 44.7 67.1

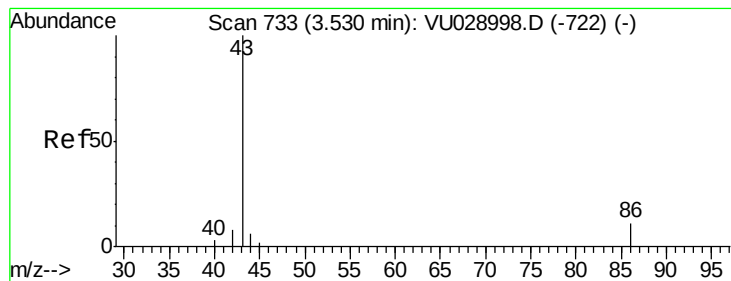
87 27.6 22.2 33.2

59 11.3 9.8 14.8



Abundance Ion 45.00 (44.70 to 45.70): VU0  
Ion 43.00 (42.70 to 43.70): VU0  
Ion 87.00 (86.70 to 87.70): VU0  
Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 105.998 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU029029.D

Acq: 04 Jan 2019 15:52

Instrument :

MSVOA\_U

ClientSampleId :

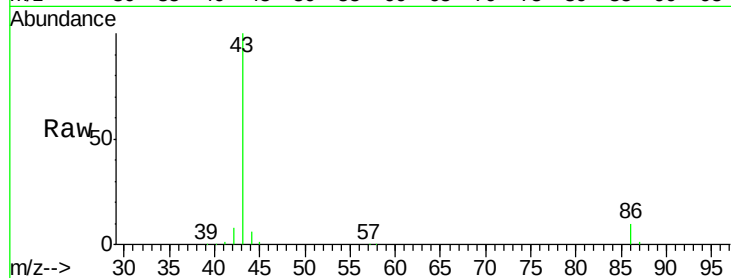
VU0105WBSD01

Tot Ion: 43 Resp: 366501

Ion Ratio Lower Upper

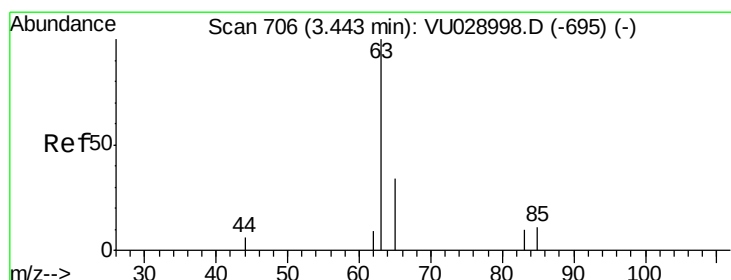
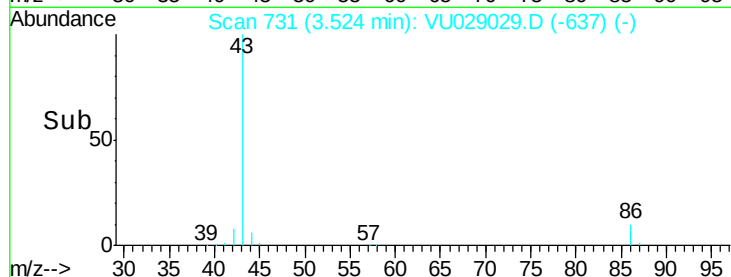
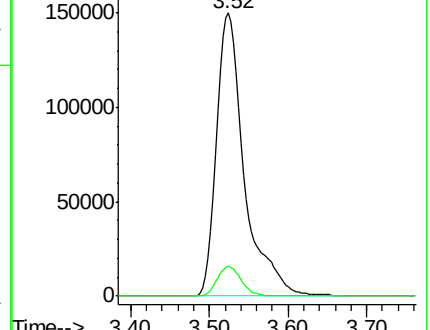
43 100

86 10.5 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VU029029.D (-637) (-)

Ion 86.00 (85.70 to 86.70): VU029029.D (-637) (-)



#24

1,1-Dichloroethane

Concen: 21.635 ug/l

RT: 3.44 min Scan# 706

Delta R.T. 0.00 min

Lab File: VU029029.D

Acq: 04 Jan 2019 15:52

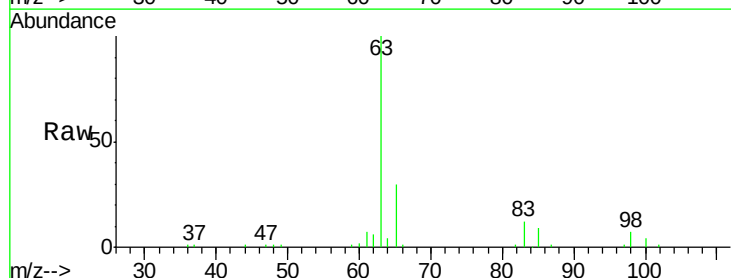
Tgt Ion: 63 Resp: 52823

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

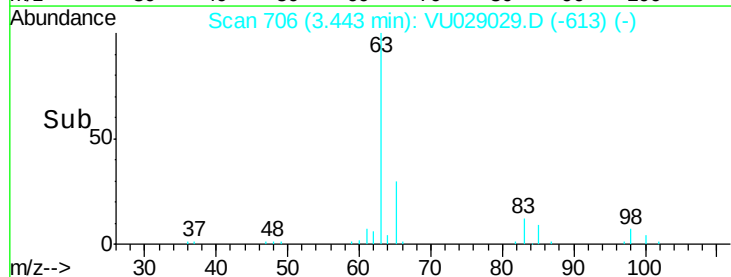
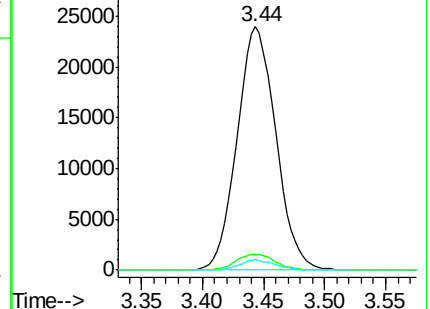
100 4.1 2.0 5.8



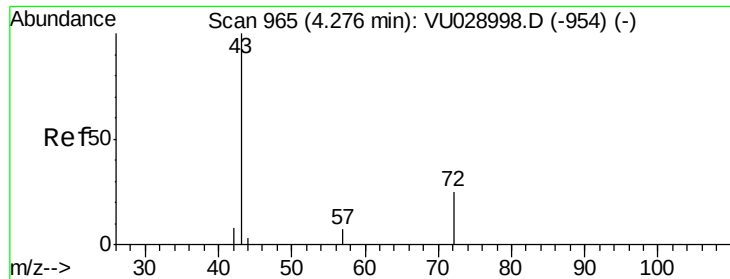
Abundance Ion 62.90 (62.60 to 63.60): VU029029.D (-613) (-)

Ion 97.90 (97.60 to 98.60): VU029029.D (-613) (-)

Ion 99.90 (99.60 to 100.60): VU029029.D (-613) (-)







#25

2-Butanone

Concen: 99.107 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU029029.D

Acq: 04 Jan 2019 15:52

Instrument :

MSVOA\_U

ClientSampleId :

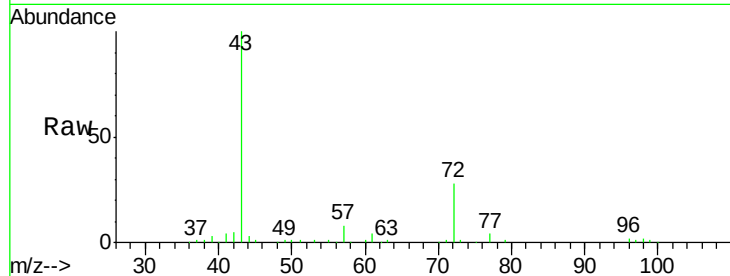
VU0105WBSD01

Tot Ion: 43 Resp: 117228

Ion Ratio Lower Upper

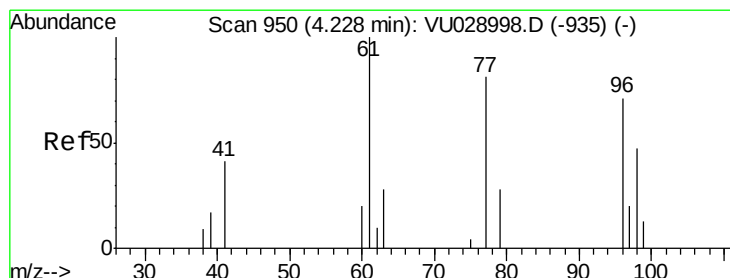
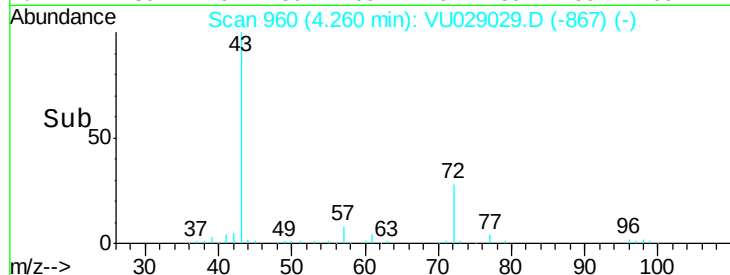
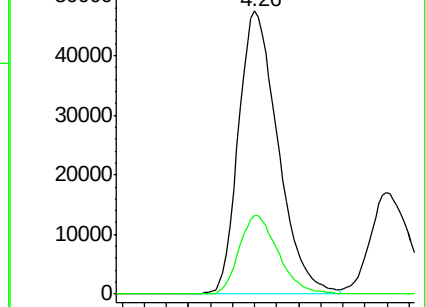
43 100

72 27.8 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 19.846 ug/l

RT: 4.22 min Scan# 948

Delta R.T. -0.00 min

Lab File: VU029029.D

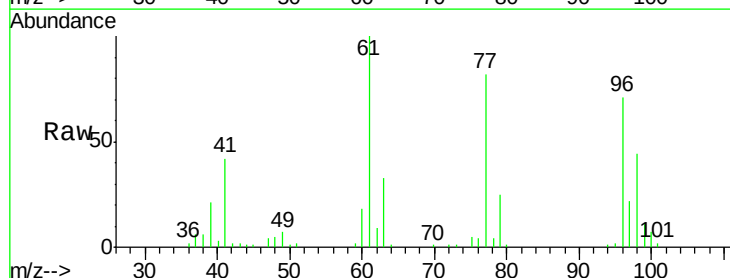
Acq: 04 Jan 2019 15:52

Tgt Ion: 77 Resp: 39152

Ion Ratio Lower Upper

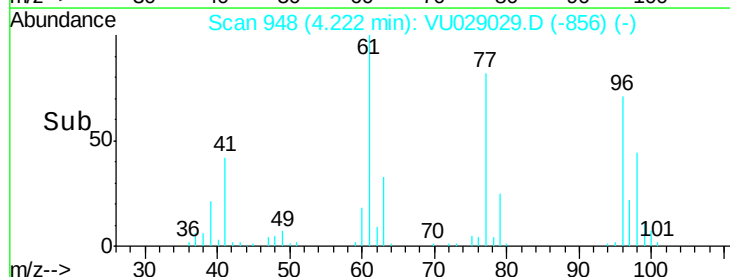
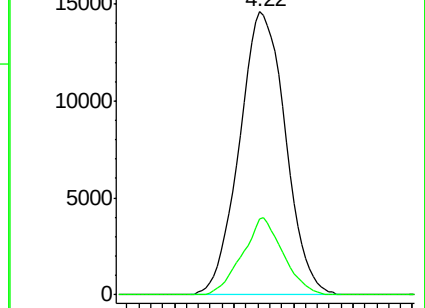
77 100

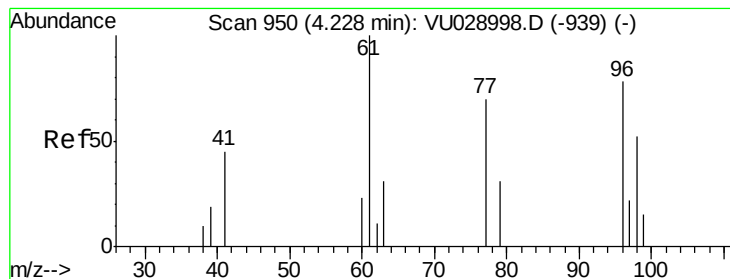
97 24.2 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0



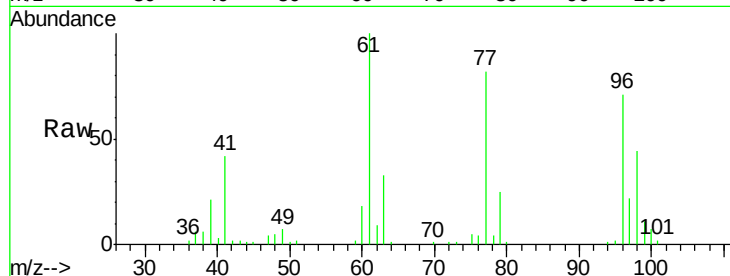


#27

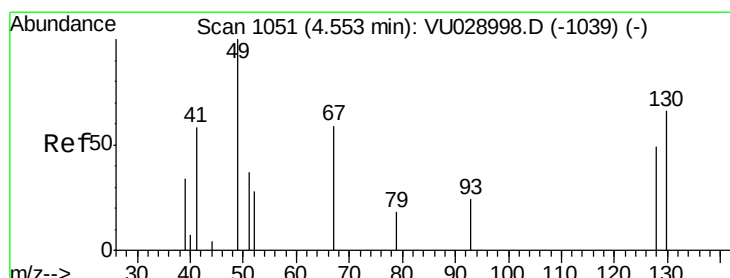
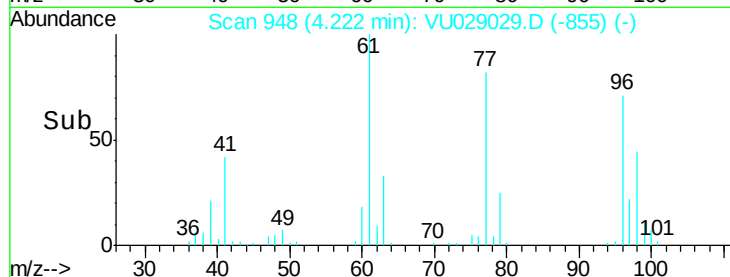
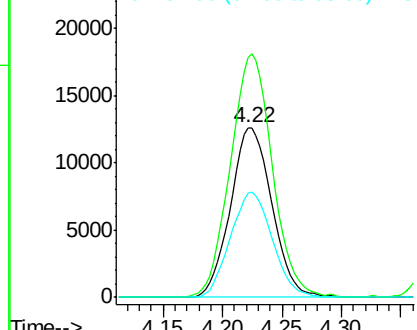
cis-1,2-Dichloroethene  
 Concen: 20.533 ug/l  
 RT: 4.22 min Scan# 948  
 Delta R.T. 0.00 min  
 Lab File: VU029029.D  
 Acq: 04 Jan 2019 15:52

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0105WBSD01

Tot Ion: 96 Resp: 30431  
 Ion Ratio Lower Upper  
 96 100  
 61 145.4 0.0 285.6  
 98 62.8 0.0 130.2



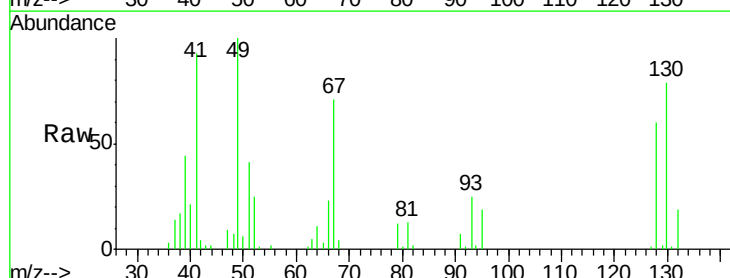
Abundance Ion 95.90 (95.60 to 96.60): VU0  
 Ion 60.90 (60.60 to 61.60): VU0  
 Ion 97.90 (97.60 to 98.60): VU0



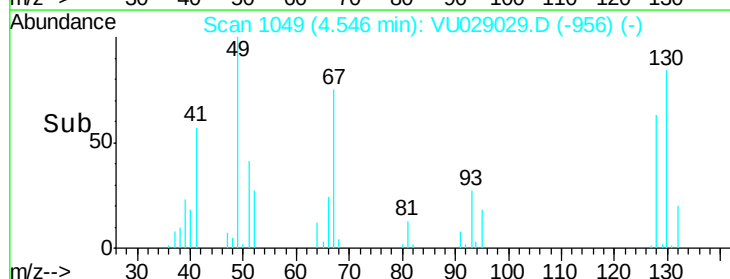
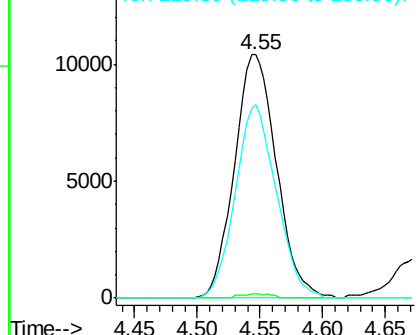
#28

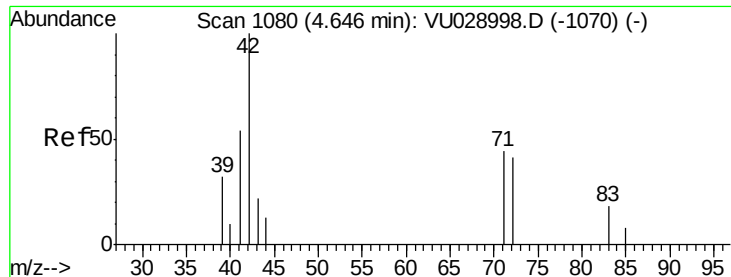
Bromochloromethane  
 Concen: 23.217 ug/l  
 RT: 4.55 min Scan# 1049  
 Delta R.T. 0.00 min  
 Lab File: VU029029.D  
 Acq: 04 Jan 2019 15:52

Tgt Ion: 49 Resp: 24273  
 Ion Ratio Lower Upper  
 49 100  
 129 1.3 0.0 3.4  
 130 77.5 62.9 94.3



Abundance Ion 48.90 (48.60 to 49.60): VU0  
 Ion 128.80 (128.50 to 129.50): V  
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 104.748 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VU029029.D

Acq: 04 Jan 2019 15:52

Instrument :

MSVOA\_U

ClientSampleId :

VU0105WBSD01

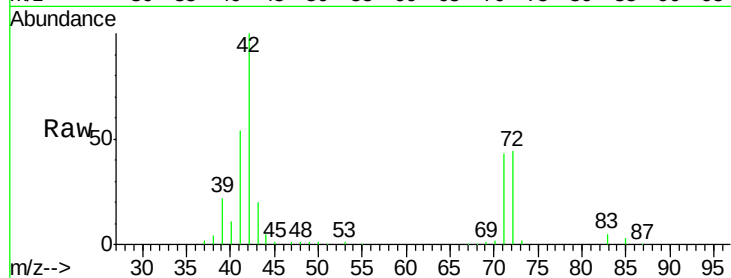
Tot Ion: 42 Resp: 75147

Ion Ratio Lower Upper

42 100

72 46.5 38.3 57.5

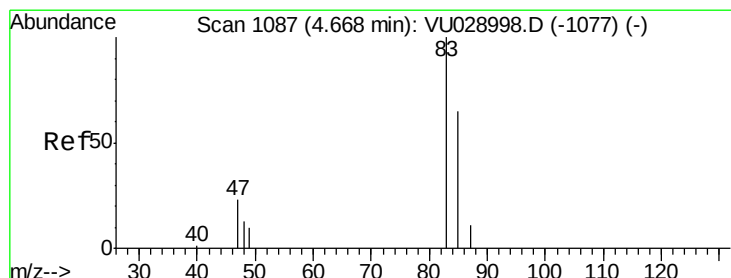
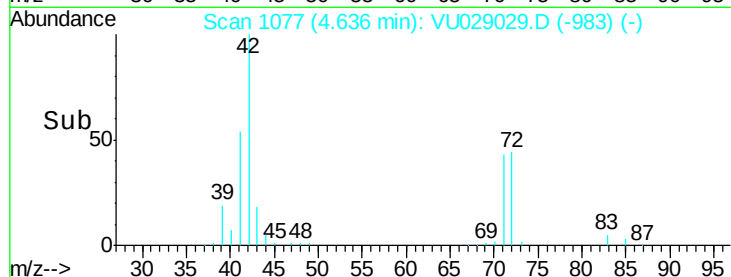
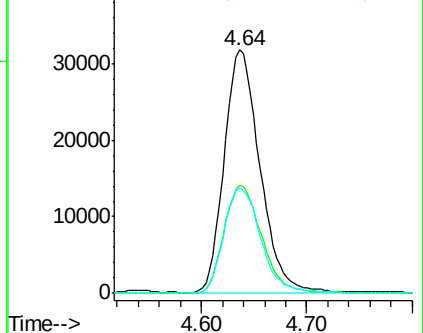
71 44.5 36.1 54.1



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



#30

Chloroform

Concen: 21.440 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VU029029.D

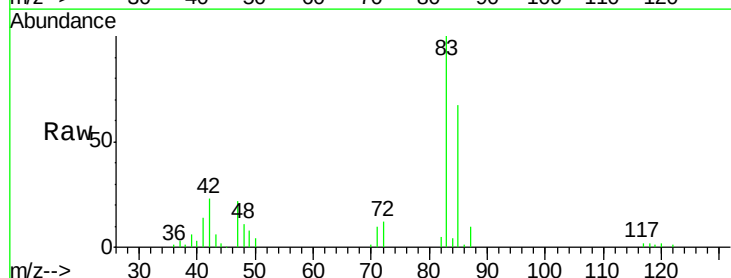
Acq: 04 Jan 2019 15:52

Tgt Ion: 83 Resp: 49860

Ion Ratio Lower Upper

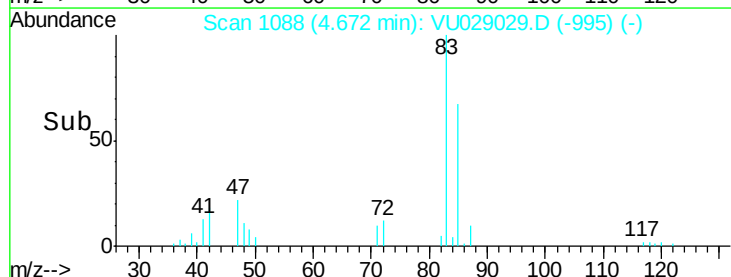
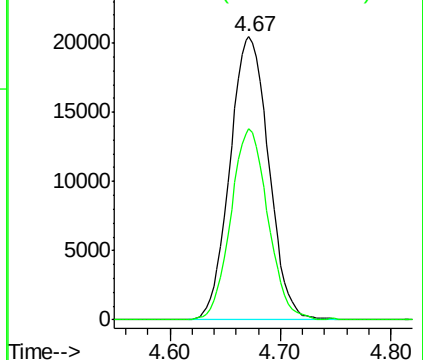
83 100

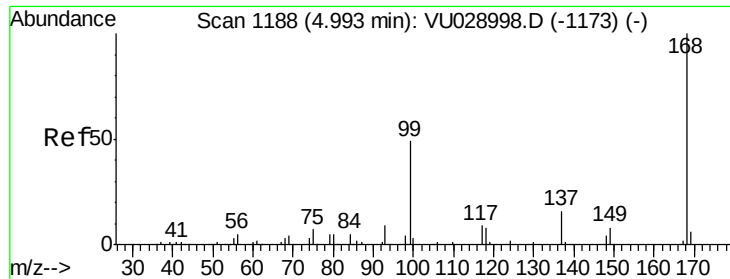
85 67.4 53.4 80.0



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

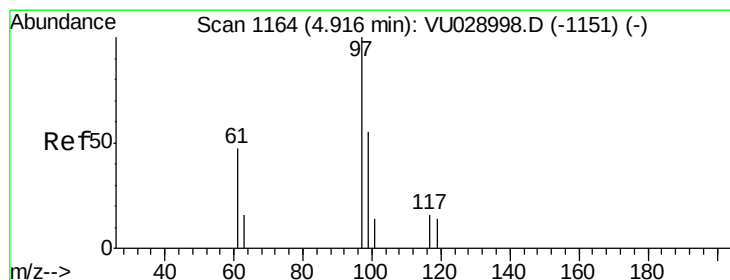
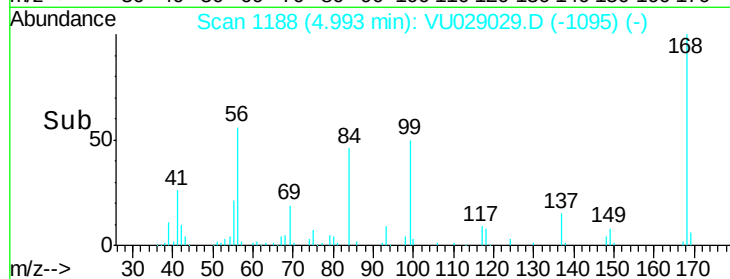
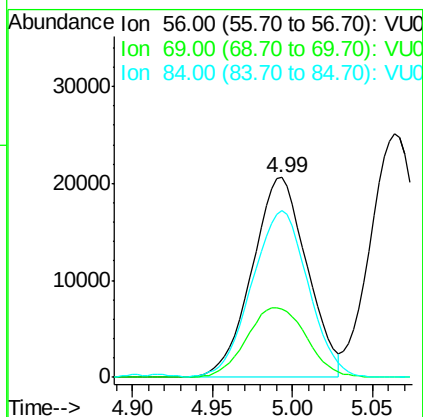
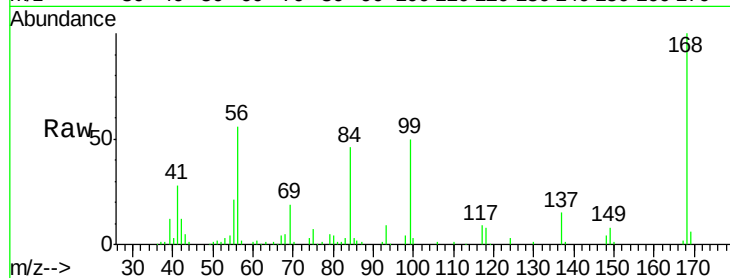




#31  
Cyclohexane  
Concen: 20.549 ug/l  
RT: 4.99 min Scan# 1188  
Delta R.T. 0.00 min  
Lab File: VU029029.D  
Acq: 04 Jan 2019 15:52

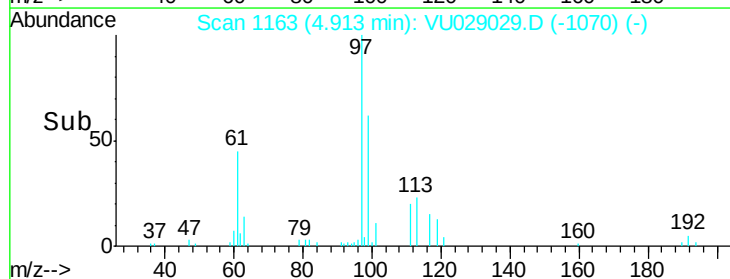
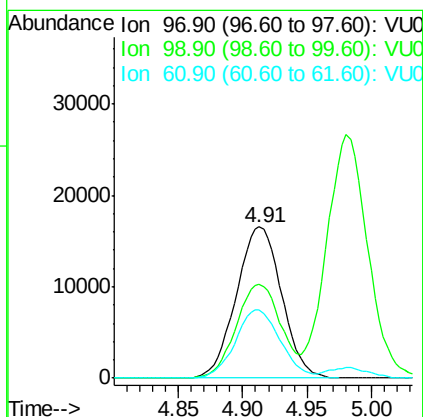
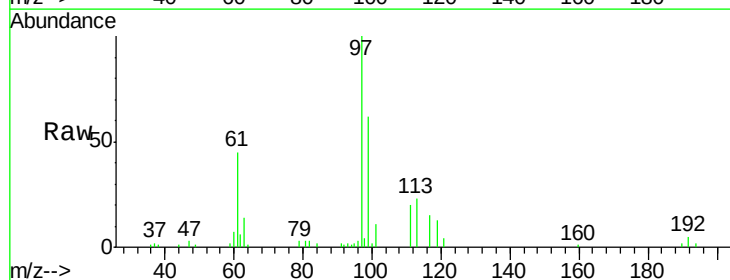
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0105WBSD01

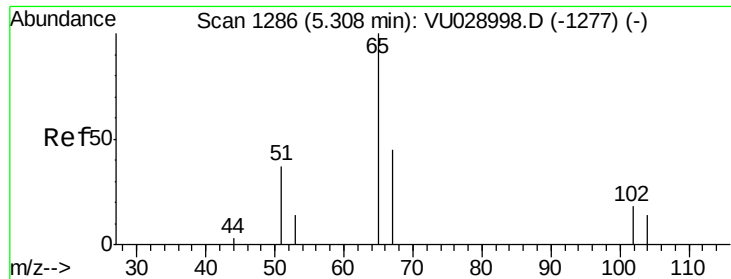
Tot Ion: 56 Resp: 48885  
Ion Ratio Lower Upper  
56 100  
69 34.4 26.7 40.1  
84 83.4 65.7 98.5



#32  
1,1,1-Trichloroethane  
Concen: 21.033 ug/l  
RT: 4.91 min Scan# 1163  
Delta R.T. 0.00 min  
Lab File: VU029029.D  
Acq: 04 Jan 2019 15:52

Tgt Ion: 97 Resp: 40416  
Ion Ratio Lower Upper  
97 100  
99 61.9 51.0 76.4  
61 44.8 34.4 51.6

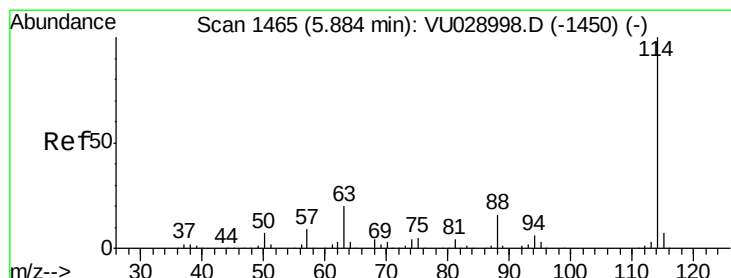
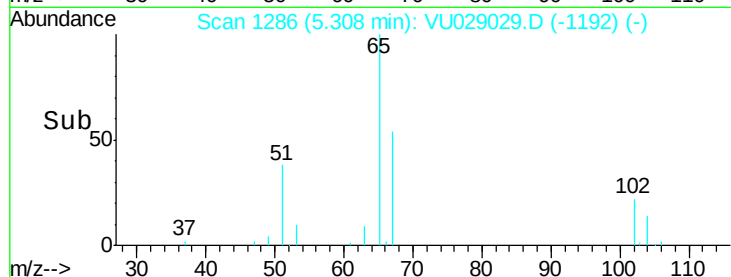
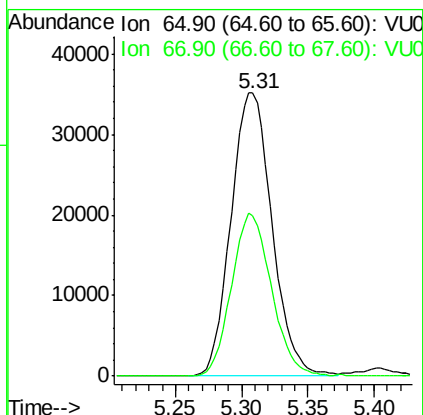
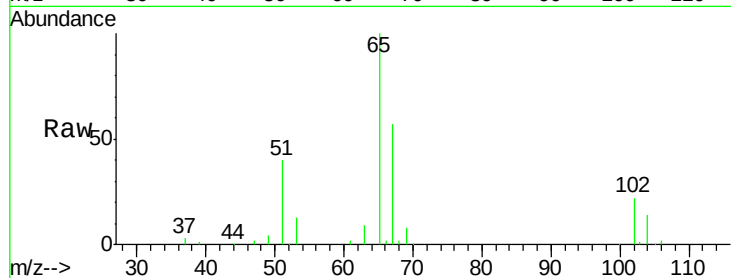




#33  
 1,2-Dichloroethane-d4  
 Concen: 54.418 ug/l  
 RT: 5.31 min Scan# 1286  
 Delta R.T. 0.00 min  
 Lab File: VU029029.D  
 Acq: 04 Jan 2019 15:52

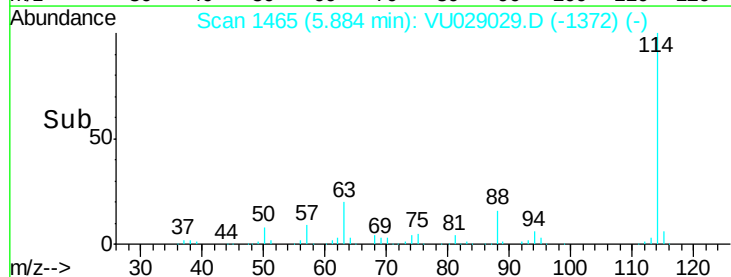
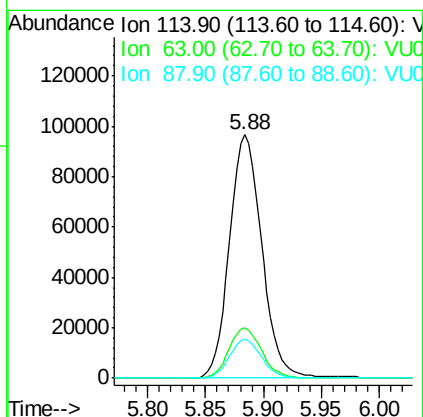
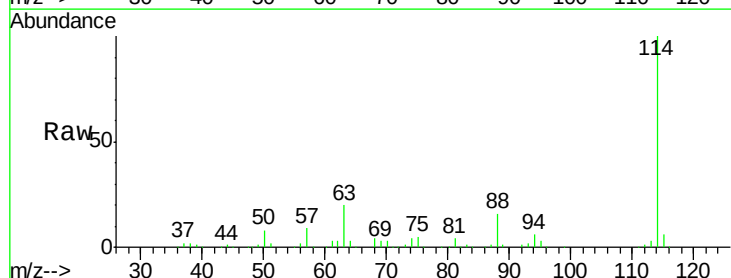
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0105WBSD01

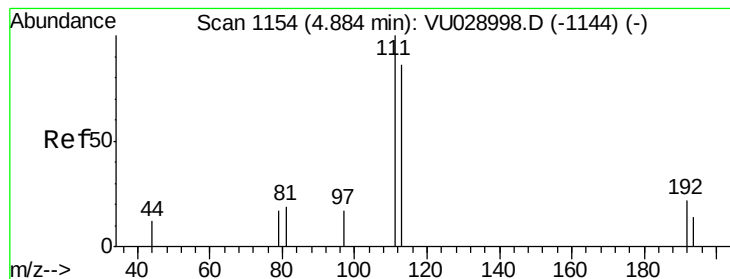
Tot Ion: 65 Resp: 75651  
 Ion Ratio Lower Upper  
 65 100  
 67 55.9 0.0 111.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.88 min Scan# 1465  
 Delta R.T. 0.00 min  
 Lab File: VU029029.D  
 Acq: 04 Jan 2019 15:52

Tgt Ion: 114 Resp: 187190  
 Ion Ratio Lower Upper  
 114 100  
 63 20.4 0.0 40.2  
 88 16.0 0.0 30.4





#35

Dibromofluoromethane

Concen: 52.267 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VU029029.D

Acq: 04 Jan 2019 15:52

Instrument :

MSVOA\_U

ClientSampleId :

VU0105WBSD01

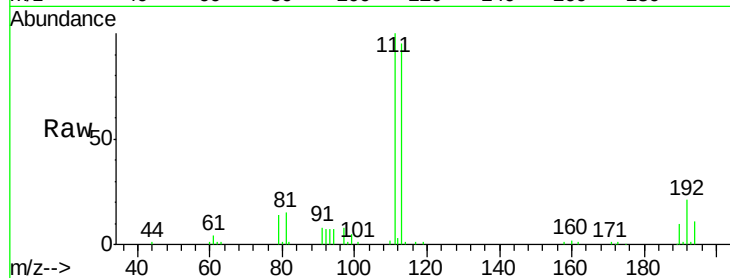
Tot Ion:113 Resp: 63422

Ion Ratio Lower Upper

113 100

111 103.3 81.4 122.2

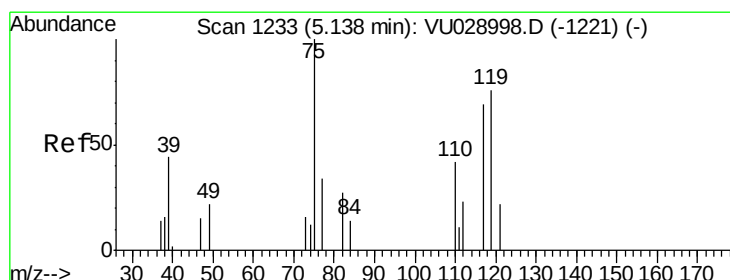
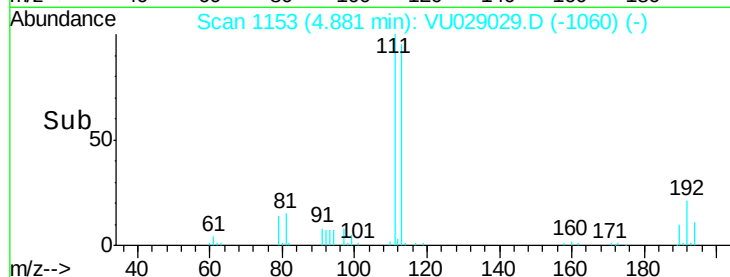
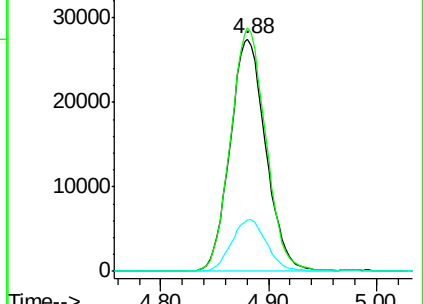
192 21.8 16.8 25.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.714 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU029029.D

Acq: 04 Jan 2019 15:52

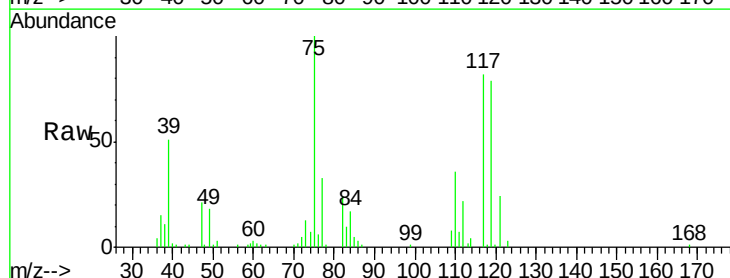
Tgt Ion: 75 Resp: 36885

Ion Ratio Lower Upper

75 100

110 35.4 18.4 55.4

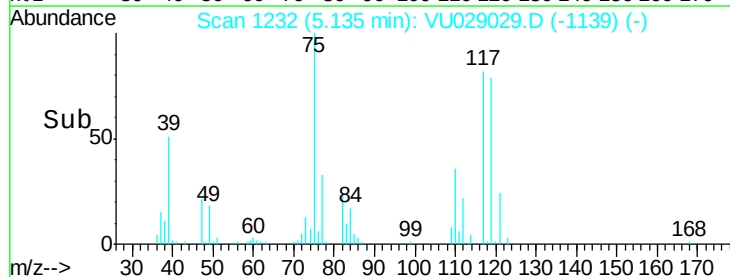
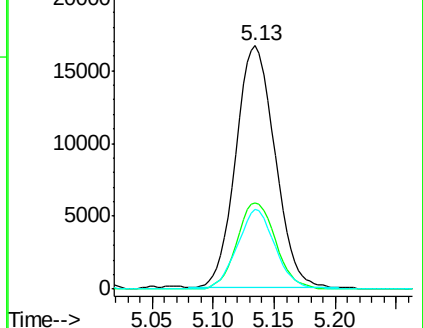
77 31.7 25.1 37.7

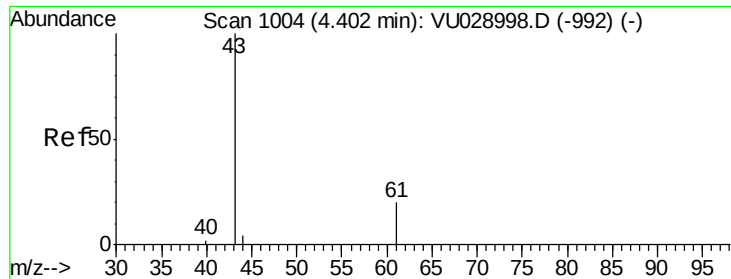


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

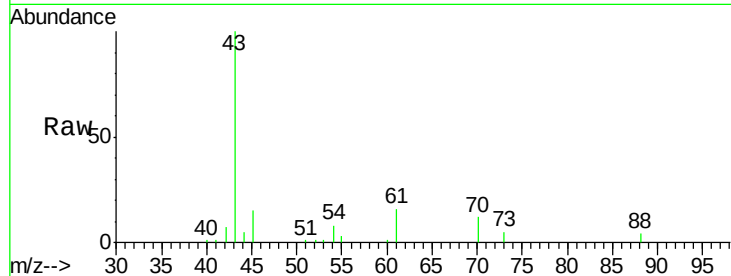




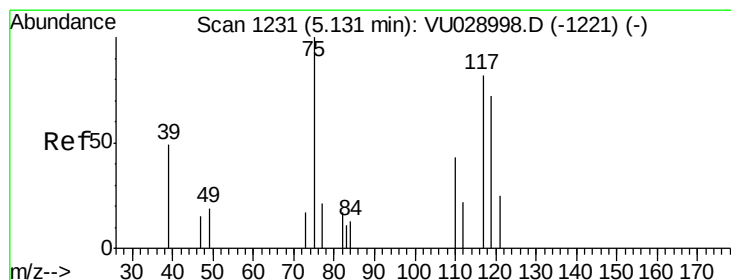
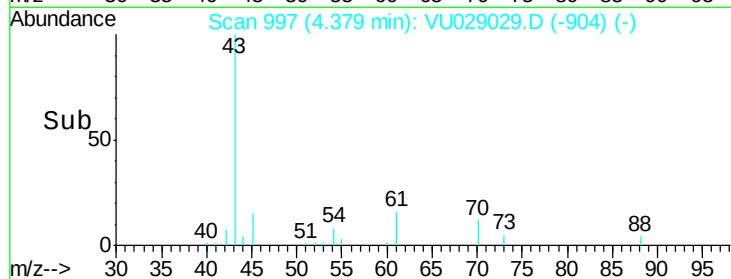
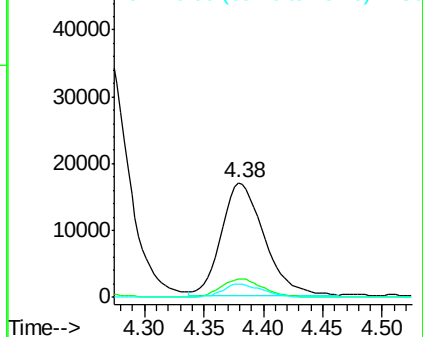
#37  
Ethyl Acetate  
Concen: 20.470 ug/l  
RT: 4.38 min Scan# 997  
Delta R.T. 0.00 min  
Lab File: VU029029.D  
Acq: 04 Jan 2019 15:52

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0105WBSD01

Tot Ion: 43 Resp: 42040  
Ion Ratio Lower Upper  
43 100  
61 16.0 12.6 18.8  
70 10.8 9.3 13.9

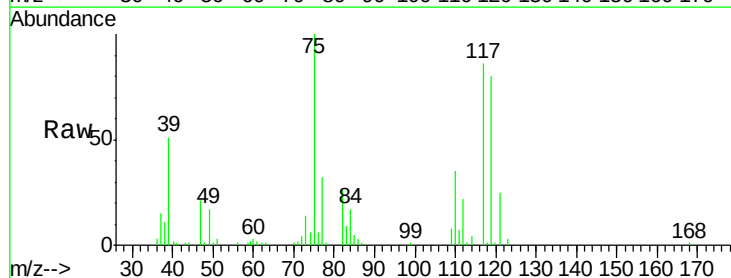


Abundance Ion 43.00 (42.70 to 43.70): VU0  
Ion 60.90 (60.60 to 61.60): VU0  
Ion 70.00 (69.70 to 70.70): VU0

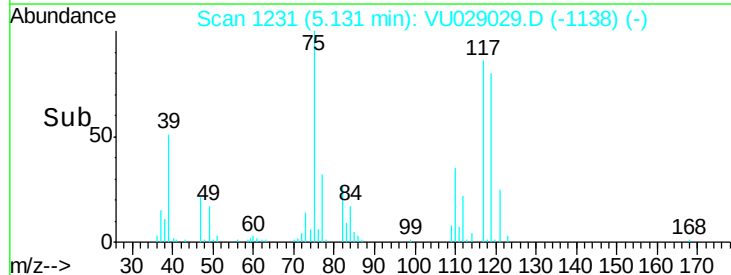
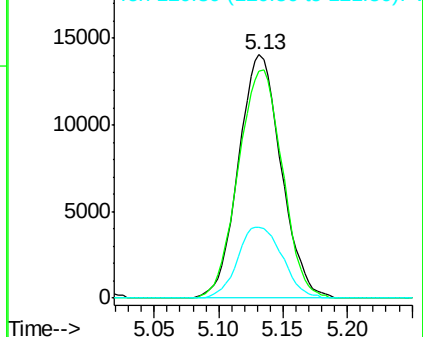


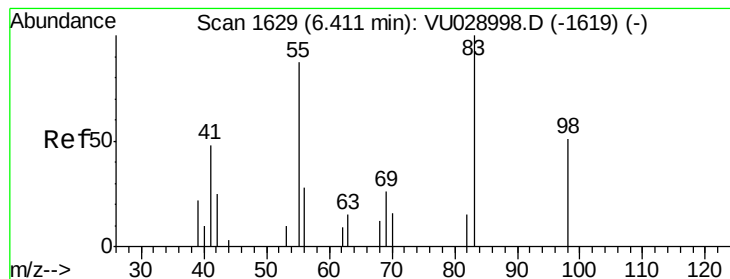
#38  
Carbon Tetrachloride  
Concen: 20.765 ug/l  
RT: 5.13 min Scan# 1231  
Delta R.T. 0.00 min  
Lab File: VU029029.D  
Acq: 04 Jan 2019 15:52

Tgt Ion: 117 Resp: 32404  
Ion Ratio Lower Upper  
117 100  
119 93.2 74.6 111.8  
121 29.2 25.0 37.6



Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V





#39

Methylvlcyclohexane

Concen: 19.270 ug/l

RT: 6.41 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VU029029.D

Acq: 04 Jan 2019 15:52

Instrument :

MSVOA\_U

ClientSampleId :

VU0105WBSD01

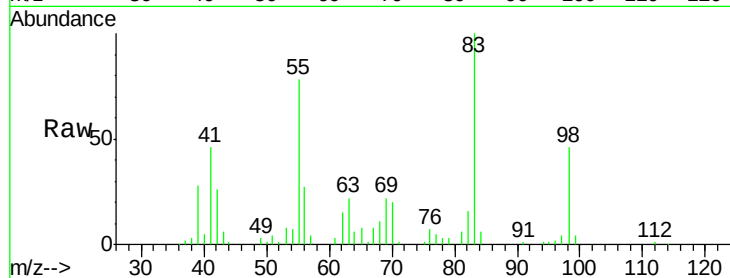
Tot Ion: 83 Resp: 44326

Ion Ratio Lower Upper

83 100

55 78.3 62.4 93.6

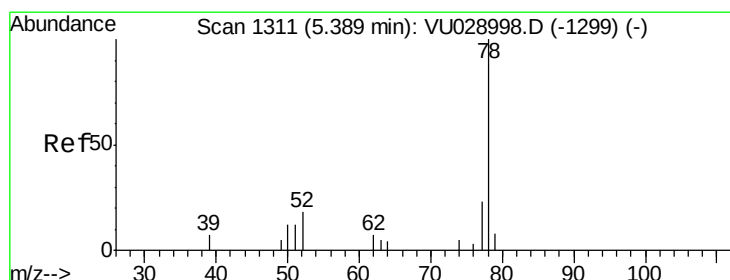
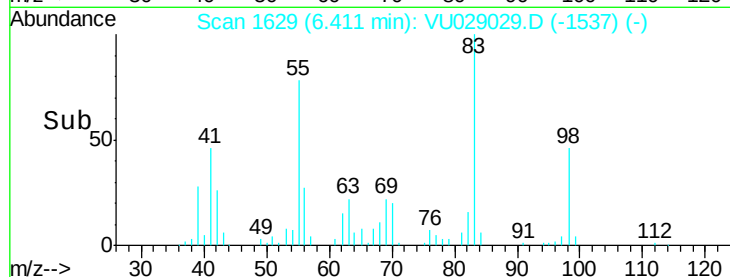
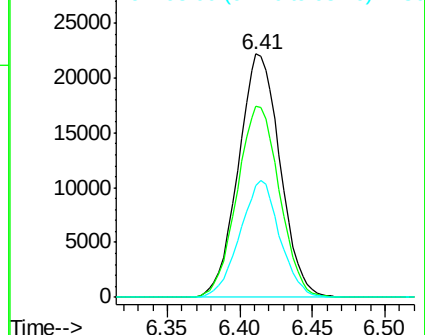
98 45.7 36.2 54.2



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#40

Benzene

Concen: 20.844 ug/l

RT: 5.39 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VU029029.D

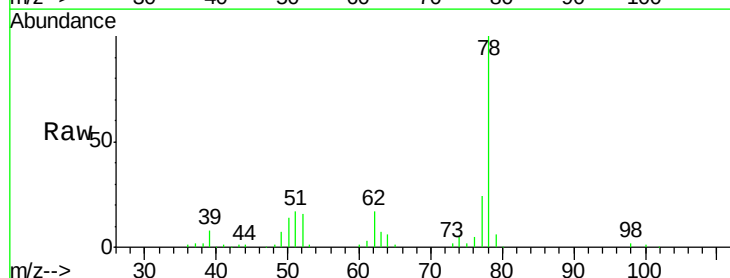
Acq: 04 Jan 2019 15:52

Tgt Ion: 78 Resp: 121650

Ion Ratio Lower Upper

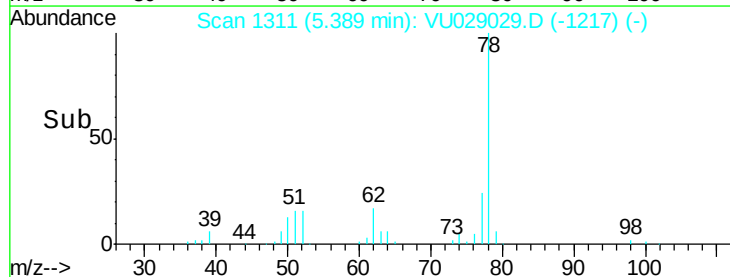
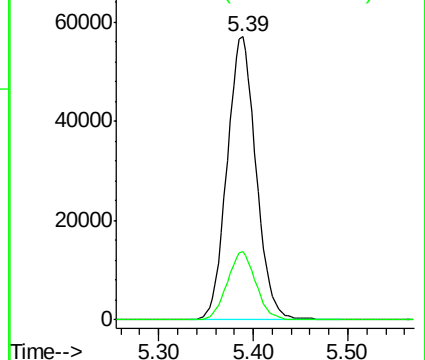
78 100

77 24.0 18.9 28.3

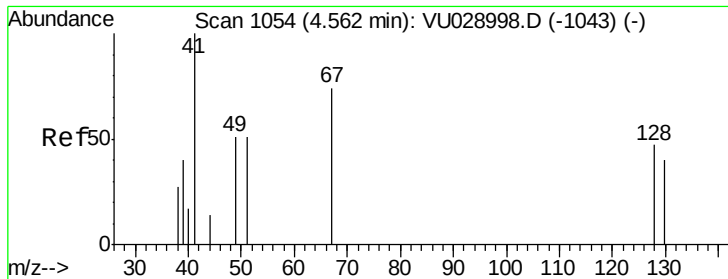


Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0







#41

Methacrylonitrile

Concen: 21.106 ug/l

RT: 4.54 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU029029.D

Acq: 04 Jan 2019 15:52

Instrument :

MSVOA\_U

ClientSampleId :

VU0105WBSD01

Tot Ion: 41 Resp: 23203

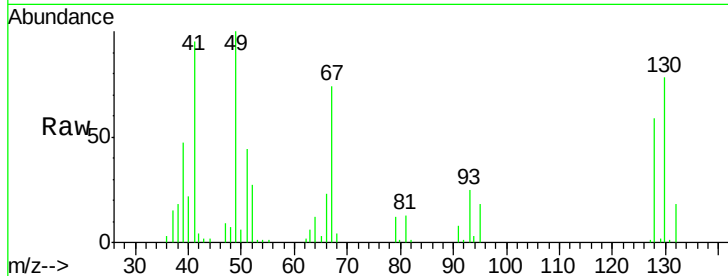
Ion Ratio Lower Upper

41 100

39 51.6 42.3 63.5

67 79.7 64.4 96.6

52 28.5 23.9 35.9

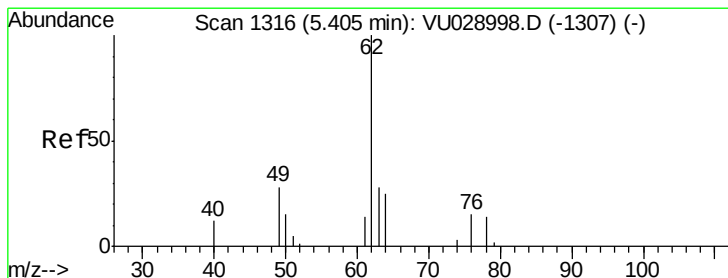
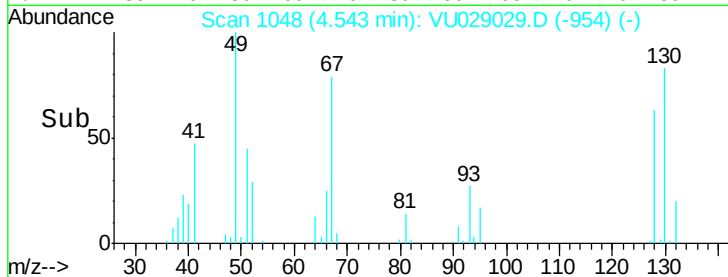
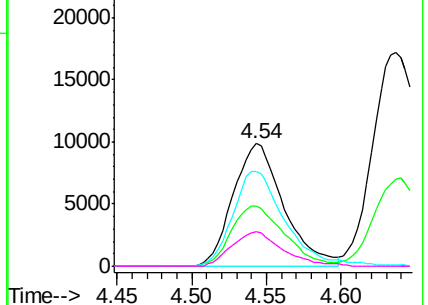


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 21.146 ug/l

RT: 5.40 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU029029.D

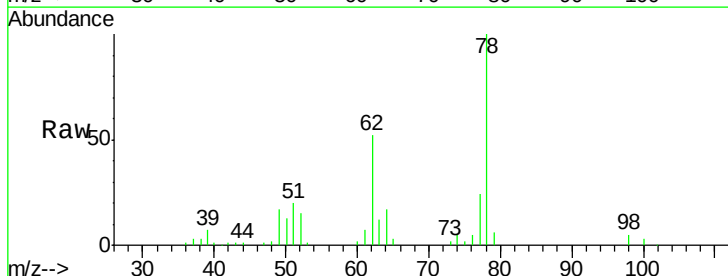
Acq: 04 Jan 2019 15:52

Tgt Ion: 62 Resp: 37084

Ion Ratio Lower Upper

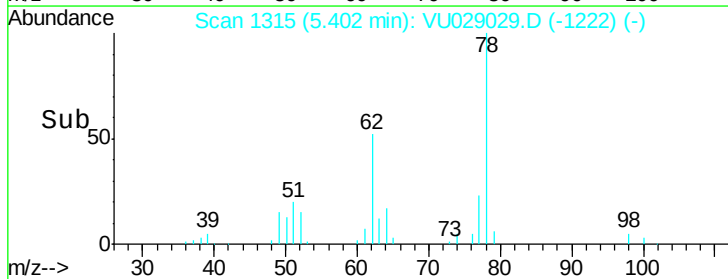
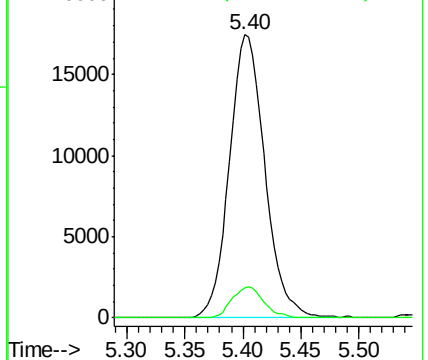
62 100

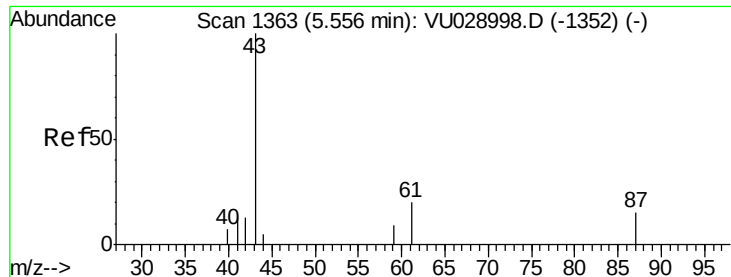
98 9.6 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 21.078 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU029029.D

Acq: 04 Jan 2019 15:52

Instrument :

MSVOA\_U

ClientSampleId :

VU0105WBSD01

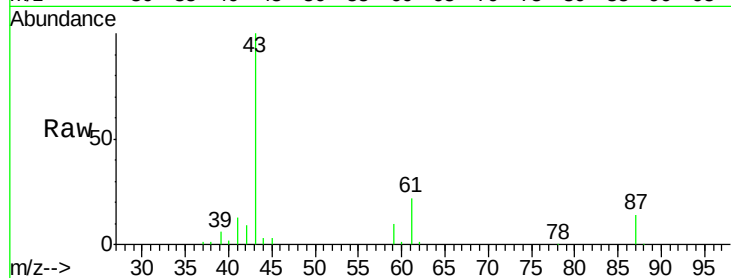
Tot Ion: 43 Resp: 66406

Ion Ratio Lower Upper

43 100

61 21.7 17.8 26.6

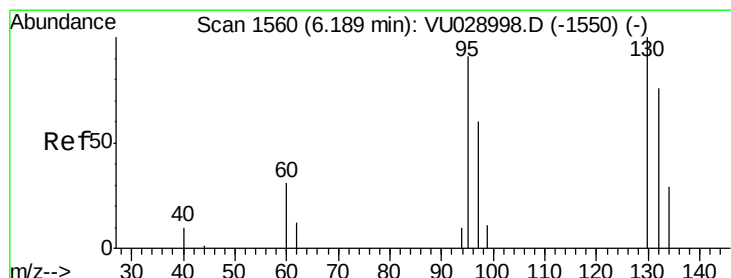
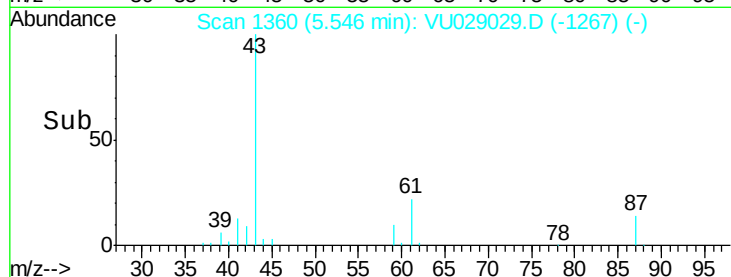
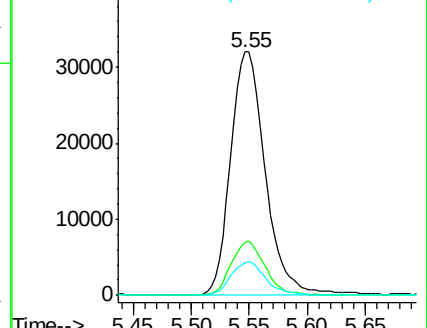
87 13.8 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VU028998.D (-1352) (-)

Ion 61.00 (60.70 to 61.70): VU028998.D (-1352) (-)

Ion 87.00 (86.70 to 87.70): VU028998.D (-1352) (-)



#44

Trichloroethene

Concen: 19.282 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU029029.D

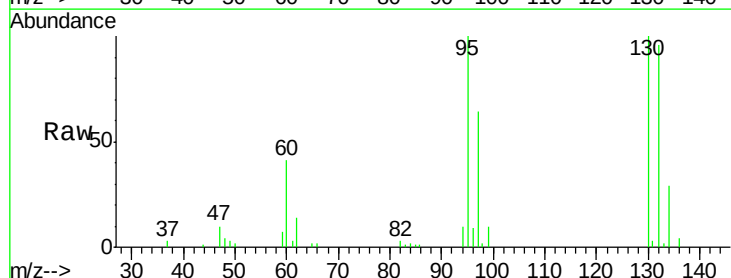
Acq: 04 Jan 2019 15:52

Tgt Ion:130 Resp: 27883

Ion Ratio Lower Upper

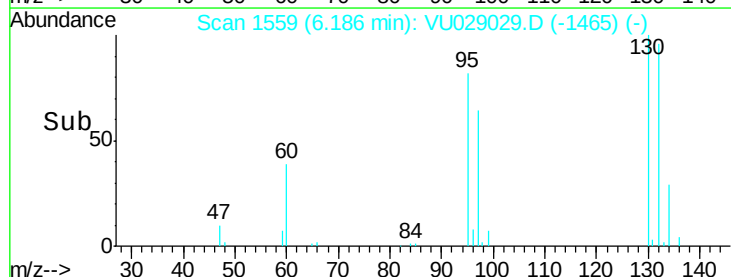
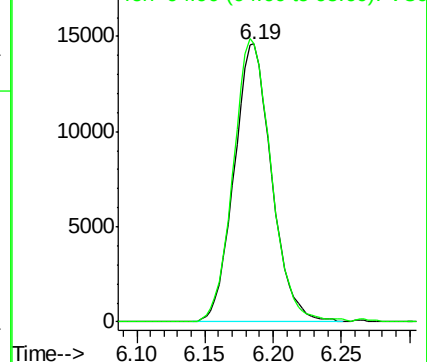
130 100

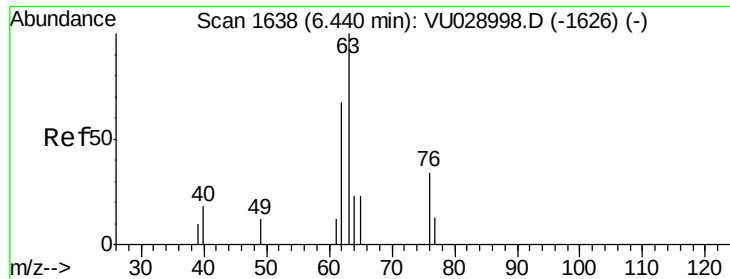
95 100.2 0.0 205.0



Abundance Ion 129.80 (129.50 to 130.50): VU028998.D (-1550) (-)

Ion 94.90 (94.60 to 95.60): VU028998.D (-1550) (-)





#45

1,2-Dichloropropane

Concen: 20.985 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU029029.D

Acq: 04 Jan 2019 15:52

Instrument :

MSVOA\_U

ClientSampleId :

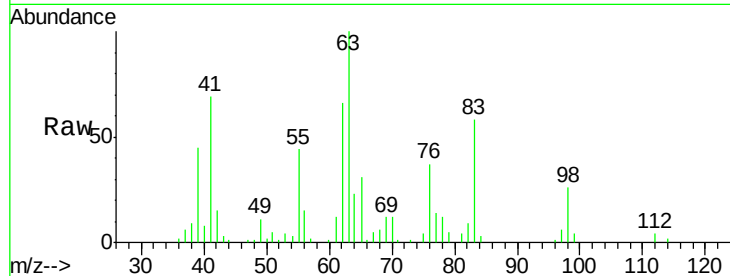
VU0105WBSD01

Tot Ion: 63 Resp: 32343

Ion Ratio Lower Upper

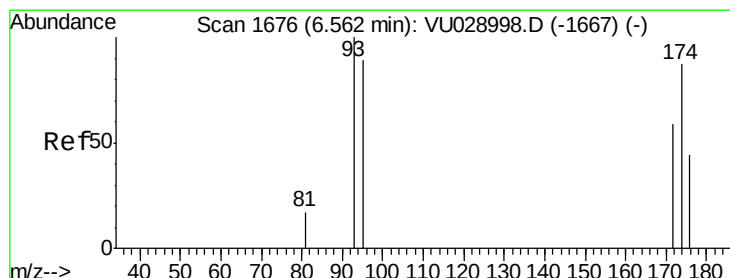
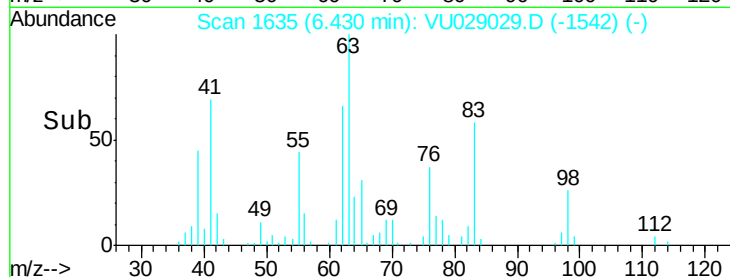
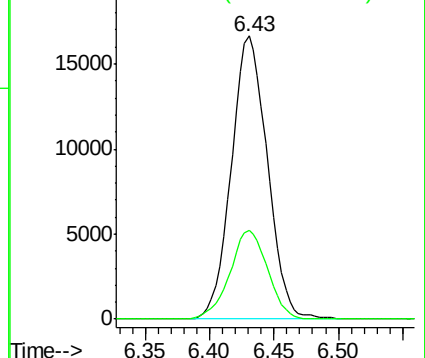
63 100

65 31.5 25.1 37.7



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 20.528 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU029029.D

Acq: 04 Jan 2019 15:52

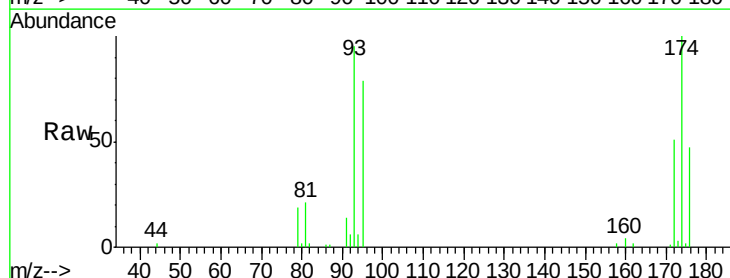
Tgt Ion: 93 Resp: 20225

Ion Ratio Lower Upper

93 100

95 85.5 67.2 100.8

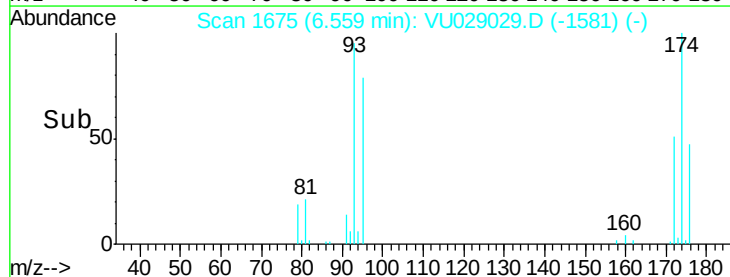
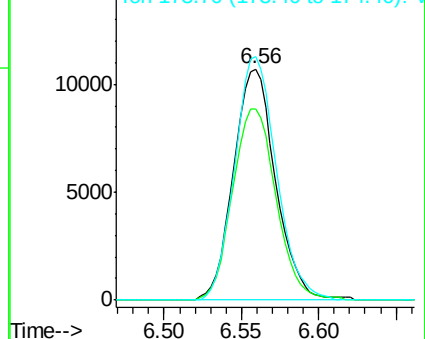
174 104.6 82.6 123.8

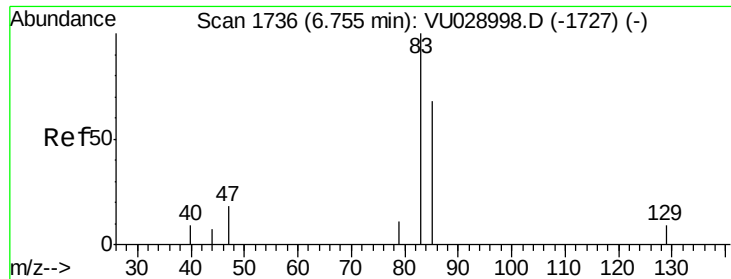


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V

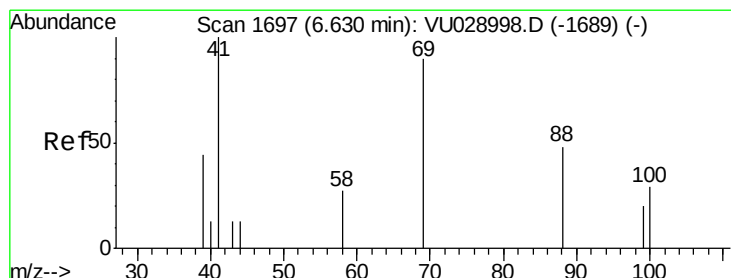
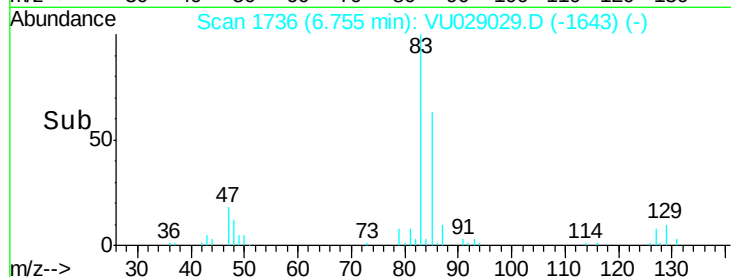
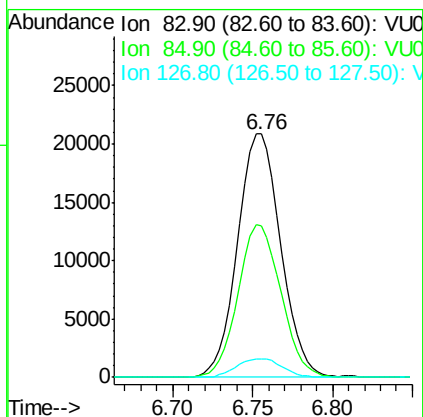
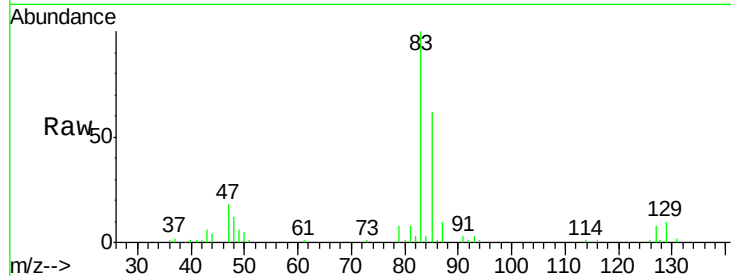




#47  
Bromodichloromethane  
Concen: 21.186 ug/l  
RT: 6.76 min Scan# 1736  
Delta R.T. 0.00 min  
Lab File: VU029029.D  
Acq: 04 Jan 2019 15:52

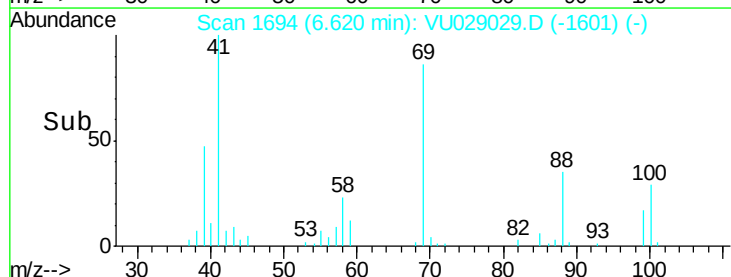
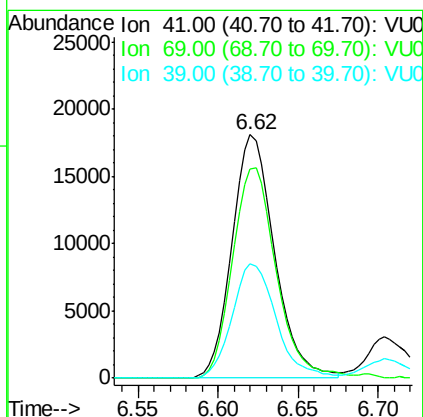
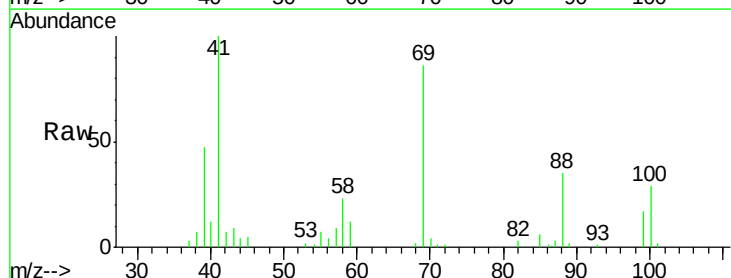
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0105WBSD01

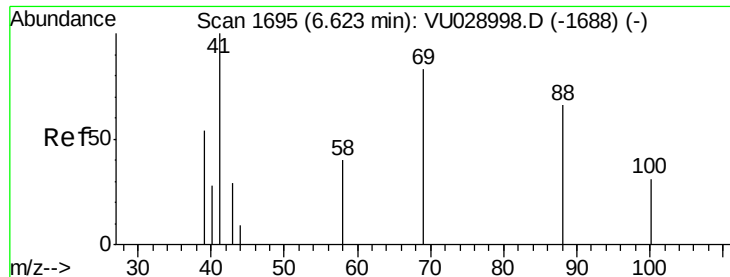
Tot Ion: 83 Resp: 38432  
Ion Ratio Lower Upper  
83 100  
85 62.2 51.4 77.2  
127 7.8 7.0 10.4



#48  
Methyl methacrylate  
Concen: 21.386 ug/l  
RT: 6.62 min Scan# 1694  
Delta R.T. 0.00 min  
Lab File: VU029029.D  
Acq: 04 Jan 2019 15:52

Tgt Ion: 41 Resp: 32807  
Ion Ratio Lower Upper  
41 100  
69 88.7 73.6 110.4  
39 48.4 39.6 59.4





#49

1,4-Dioxane

Concen: 385.920 ug/l

RT: 6.61 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VU029029.D

Acq: 04 Jan 2019 15:52

Instrument :

MSVOA\_U

ClientSampleId :

VU0105WBSD01

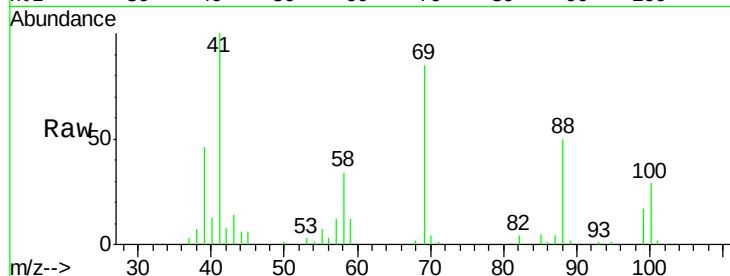
Tot Ion: 88 Resp: 14030

Ion Ratio Lower Upper

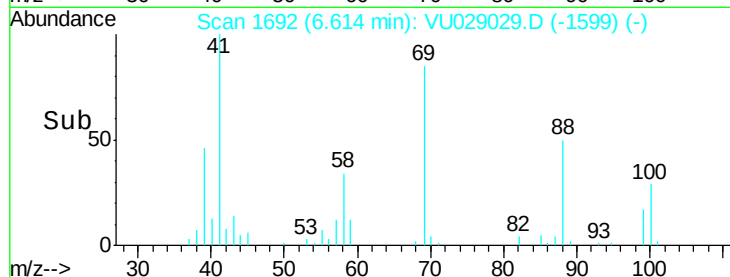
88 100

43 30.5 23.0 34.4

58 70.4 57.9 86.9



Abundance Ion 88.00 (87.70 to 88.70): VU029029.D (-1599) (-)



Ion 43.00 (42.70 to 43.70): VU029029.D (-1599) (-)

Ion 58.00 (57.70 to 58.70): VU029029.D (-1599) (-)

Time-->

6.55 6.60 6.65 6.70

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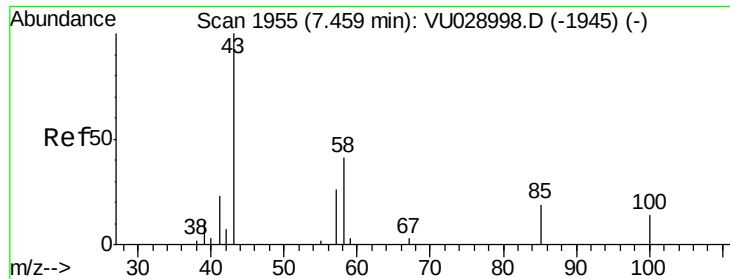
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#51

4-Methyl-2-Pentanone

Concen: 103.571 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU029029.D

Acq: 04 Jan 2019 15:52

Instrument :

MSVOA\_U

ClientSampleId :

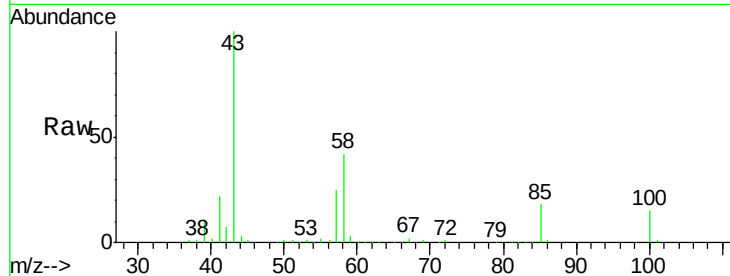
VU0105WBSD01

Tot Ion: 43 Resp: 222066

Ion Ratio Lower Upper

43 100

58 41.7 33.9 50.9



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

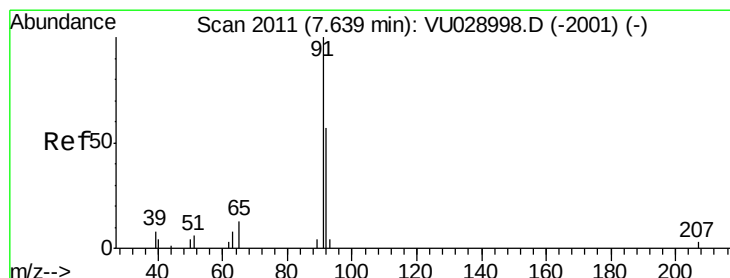
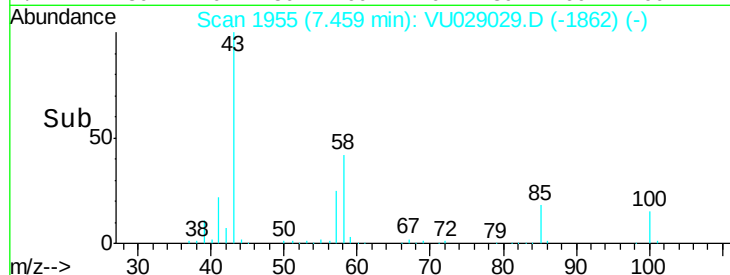
150000

100000

50000

0

Time--> 7.35 7.40 7.45 7.50 7.55



#52

Toluene

Concen: 20.268 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU029029.D

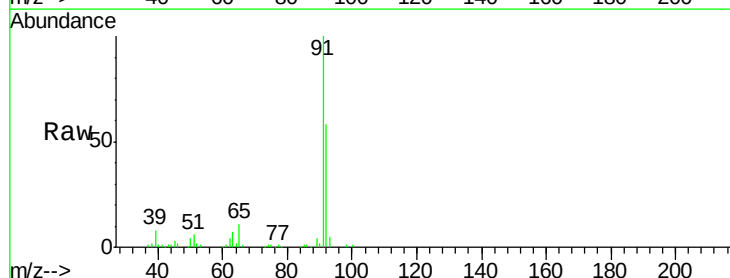
Acq: 04 Jan 2019 15:52

Tgt Ion: 92 Resp: 72011

Ion Ratio Lower Upper

92 100

91 172.4 139.8 209.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.64

80000

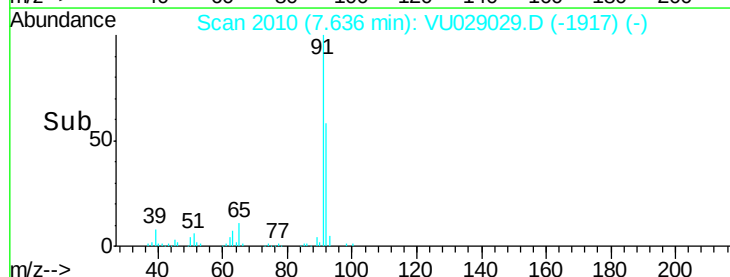
60000

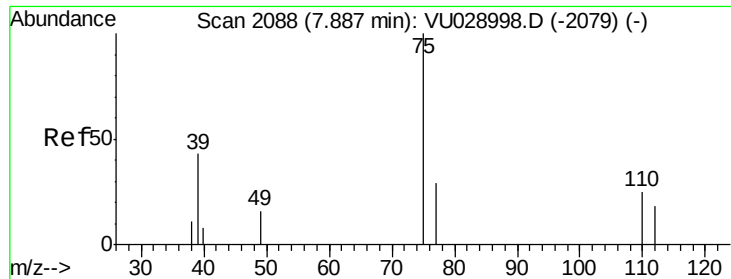
40000

20000

0

Time--> 7.55 7.60 7.65 7.70 7.75





#53

t-1,3-Dichloropropene

Concen: 19.779 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. 0.00 min

Lab File: VU029029.D

Acq: 04 Jan 2019 15:52

Instrument :

MSVOA\_U

ClientSampleId :

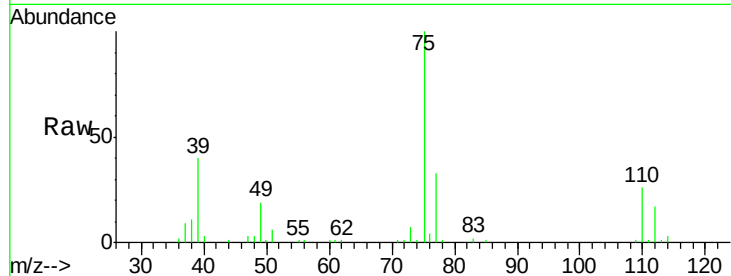
VU0105WBSD01

Tot Ion: 75 Resp: 43101

Ion Ratio Lower Upper

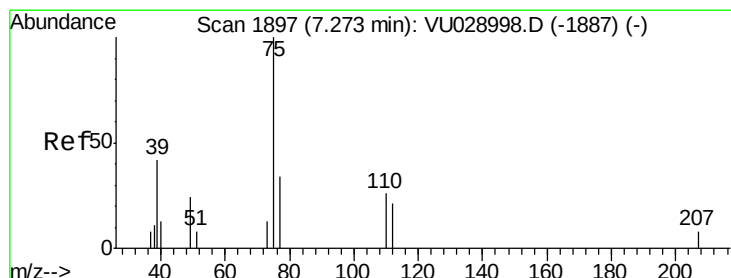
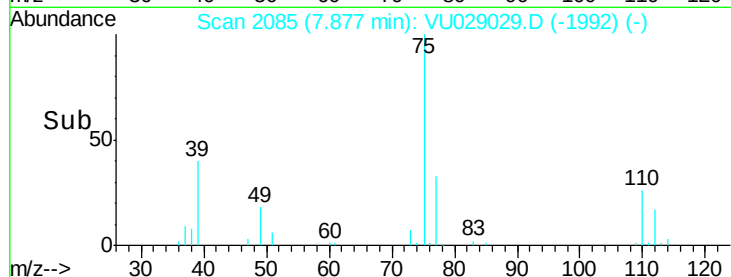
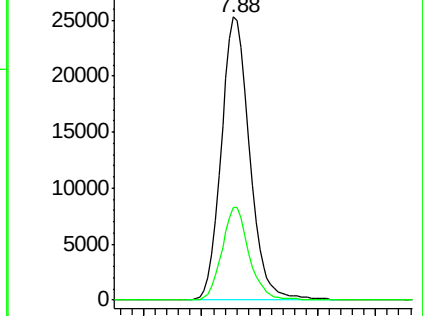
75 100

77 32.6 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 20.140 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. 0.00 min

Lab File: VU029029.D

Acq: 04 Jan 2019 15:52

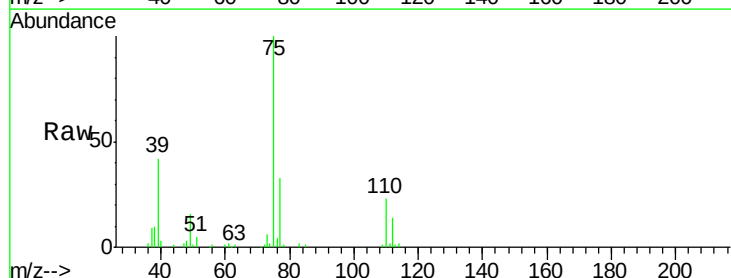
Tgt Ion: 75 Resp: 47423

Ion Ratio Lower Upper

75 100

77 33.0 25.0 37.6

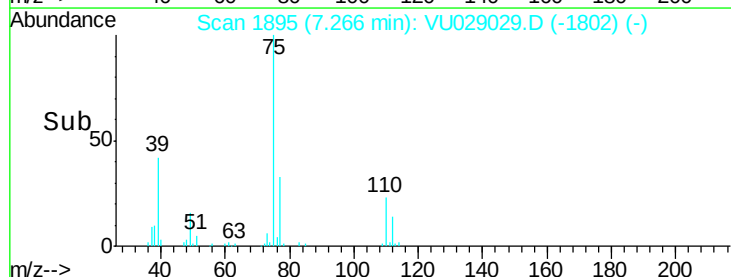
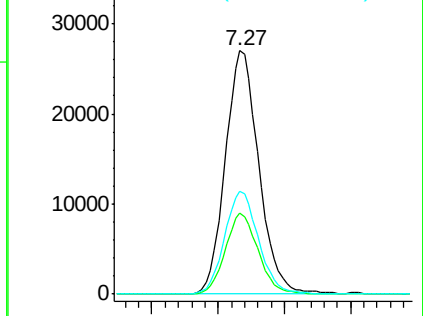
39 42.1 32.2 48.4

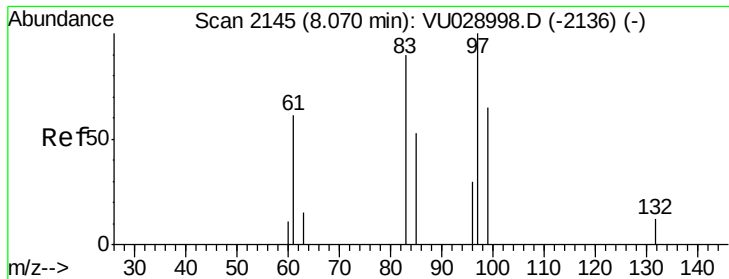


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

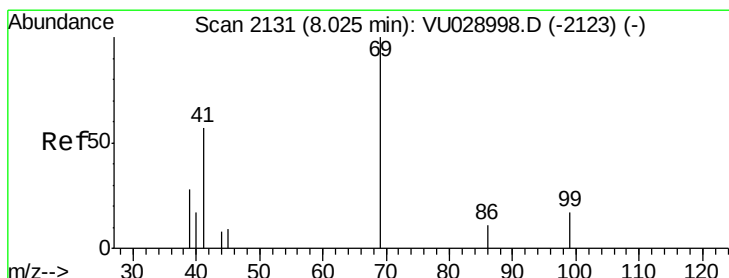
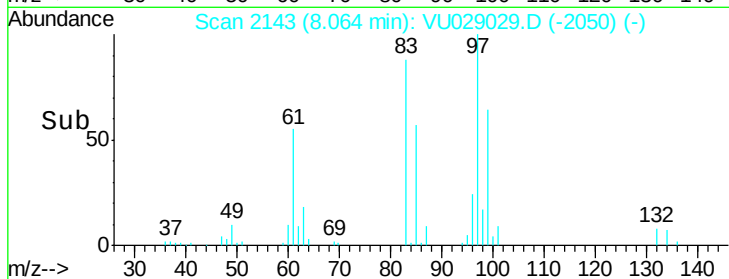
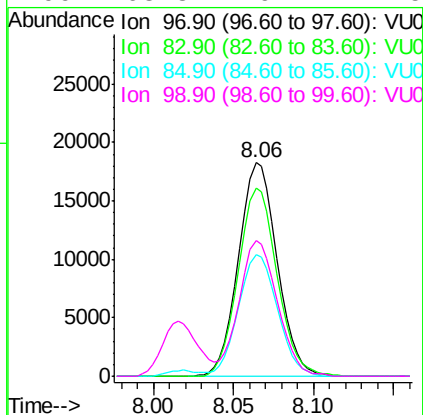
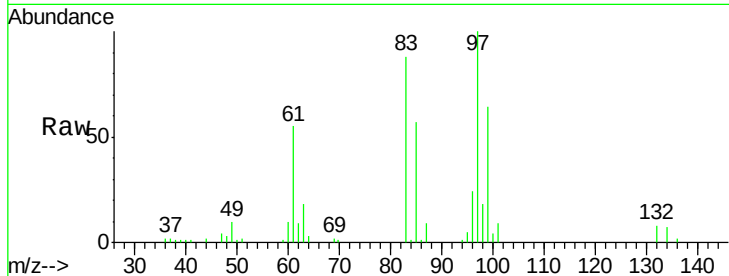




#55  
 1,1,2-Trichloroethane  
 Concen: 21.137 ug/l  
 RT: 8.06 min Scan# 2143  
 Delta R.T. 0.00 min  
 Lab File: VU029029.D  
 Acq: 04 Jan 2019 15:52

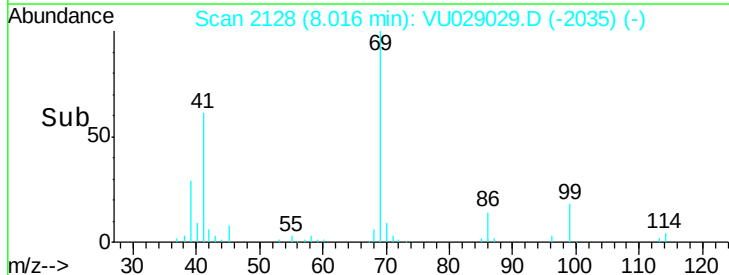
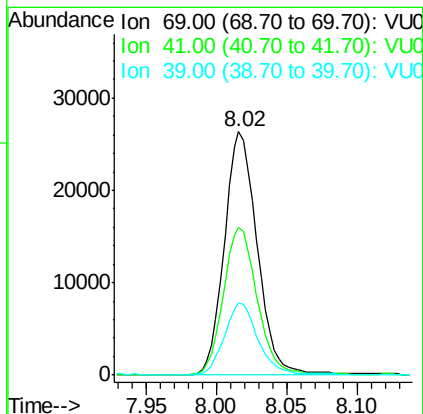
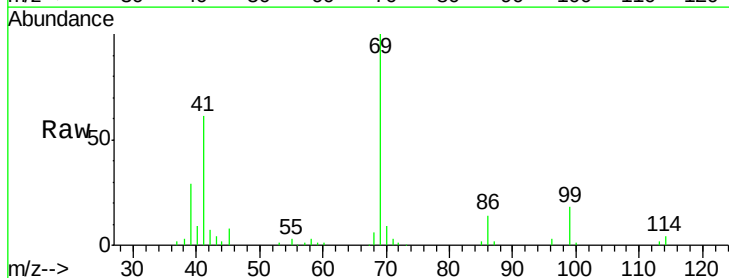
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0105WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 30086 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 88.3  | 69.8  | 104.8 |
| 85       | 57.0  | 47.3  | 70.9  |
| 99       | 63.8  | 49.7  | 74.5  |

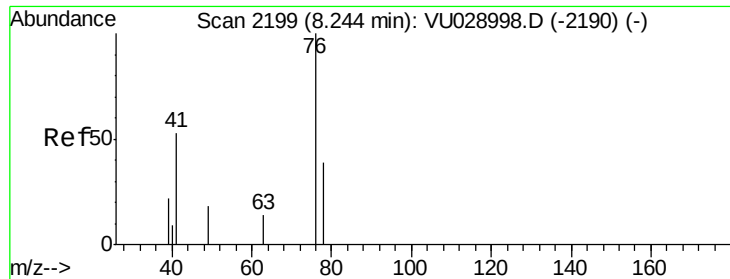


#56  
 Ethyl methacrylate  
 Concen: 19.604 ug/l  
 RT: 8.02 min Scan# 2128  
 Delta R.T. 0.00 min  
 Lab File: VU029029.D  
 Acq: 04 Jan 2019 15:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 42989 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 62.8  | 47.5  | 71.3  |
| 39       | 30.1  | 22.5  | 33.7  |



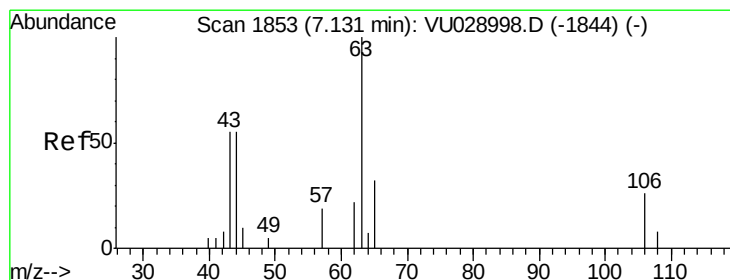
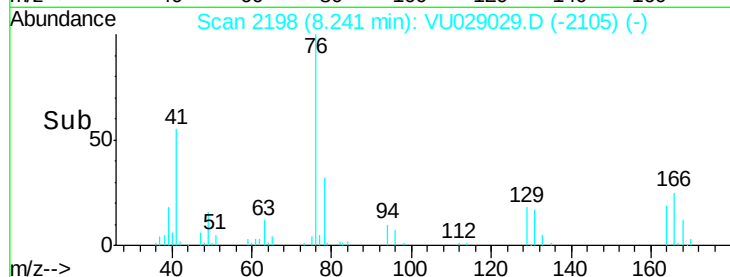
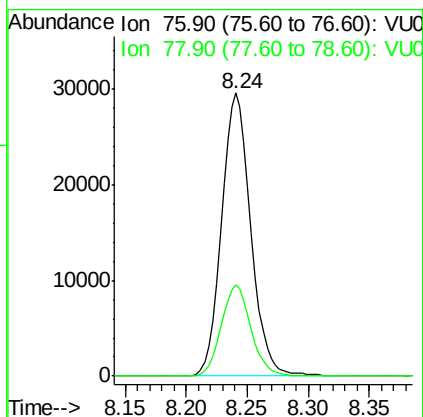
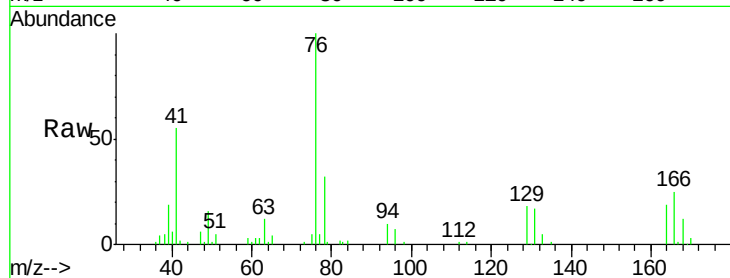




#57  
 1,3-Dichloropropane  
 Concen: 20.380 ug/l  
 RT: 8.24 min Scan# 2198  
 Delta R.T. 0.00 min  
 Lab File: VU029029.D  
 Acq: 04 Jan 2019 15:52

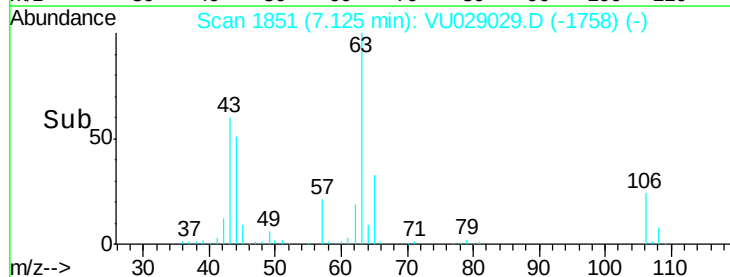
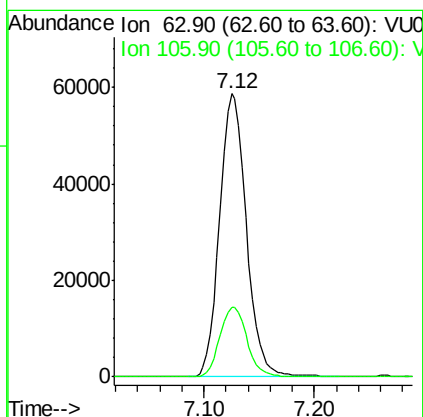
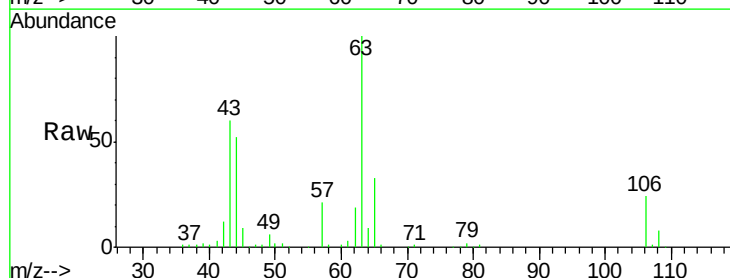
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0105WBSD01

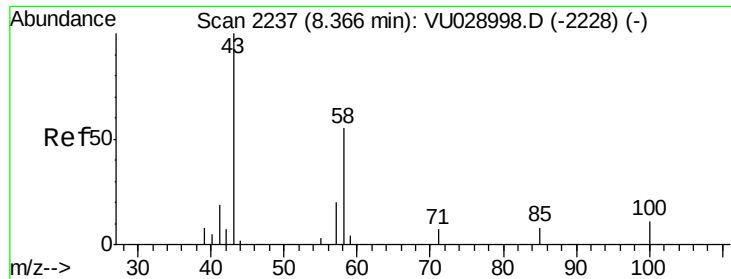
Tot Ion: 76 Resp: 49637  
 Ion Ratio Lower Upper  
 76 100  
 78 32.6 26.0 39.0



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 102.431 ug/l  
 RT: 7.12 min Scan# 1851  
 Delta R.T. 0.00 min  
 Lab File: VU029029.D  
 Acq: 04 Jan 2019 15:52

Tgt Ion: 63 Resp: 98783  
 Ion Ratio Lower Upper  
 63 100  
 106 25.1 20.6 31.0

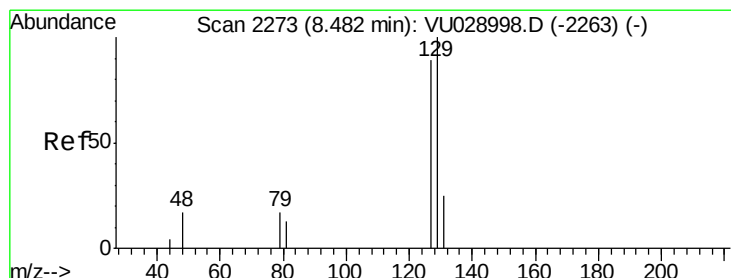
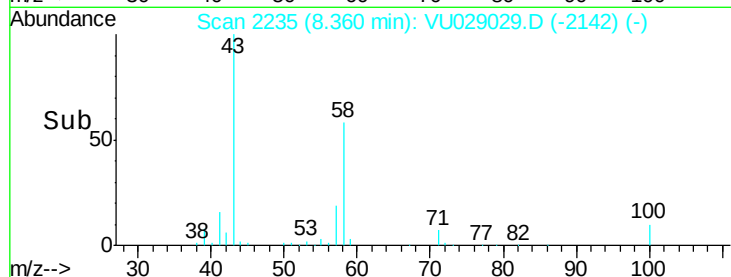
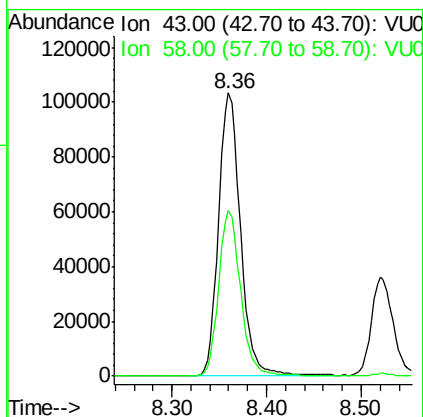
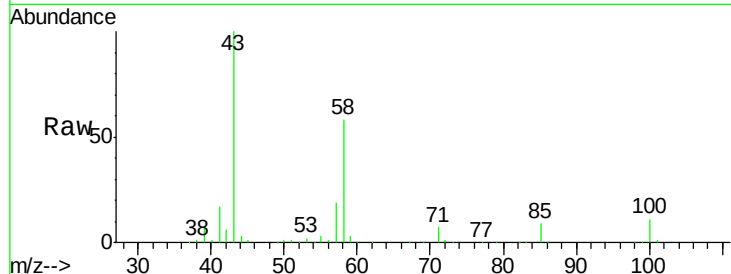




#59  
2-Hexanone  
Concen: 99.462 ug/l  
RT: 8.36 min Scan# 2235  
Delta R.T. 0.00 min  
Lab File: VU029029.D  
Acq: 04 Jan 2019 15:52

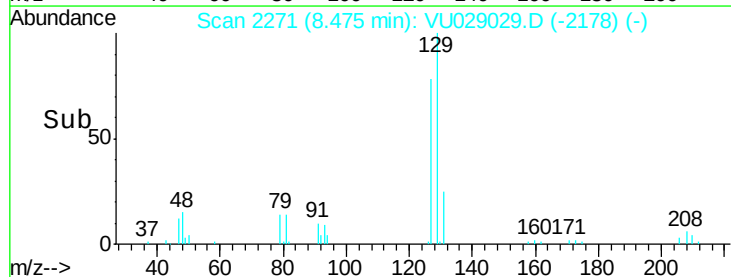
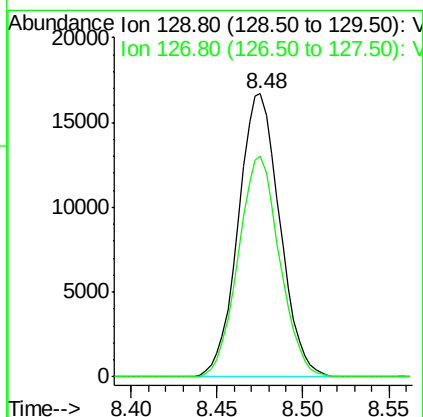
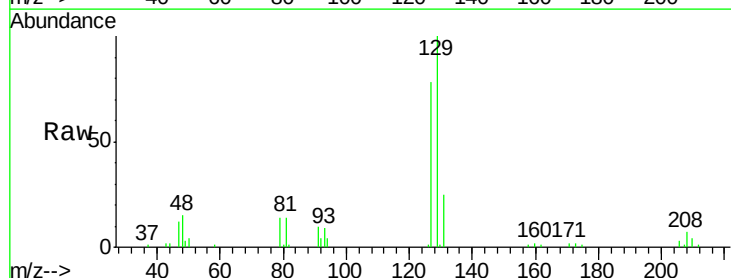
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0105WBSD01

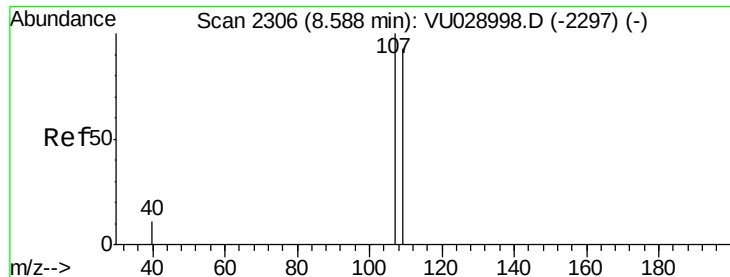
Tot Ion: 43 Resp: 167398  
Ion Ratio Lower Upper  
43 100  
58 58.2 29.8 89.4



#60  
Dibromochloromethane  
Concen: 19.898 ug/l  
RT: 8.48 min Scan# 2271  
Delta R.T. 0.00 min  
Lab File: VU029029.D  
Acq: 04 Jan 2019 15:52

Tgt Ion: 129 Resp: 28059  
Ion Ratio Lower Upper  
129 100  
127 77.3 38.0 114.0





#61

1,2-Dibromoethane

Concen: 20.290 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU029029.D

Acq: 04 Jan 2019 15:52

Instrument :

MSVOA\_U

ClientSampleId :

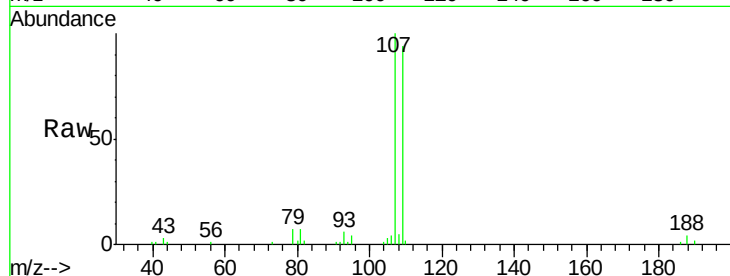
VU0105WBSD01

Tot Ion:107 Resp: 31323

Ion Ratio Lower Upper

107 100

109 92.2 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

20000

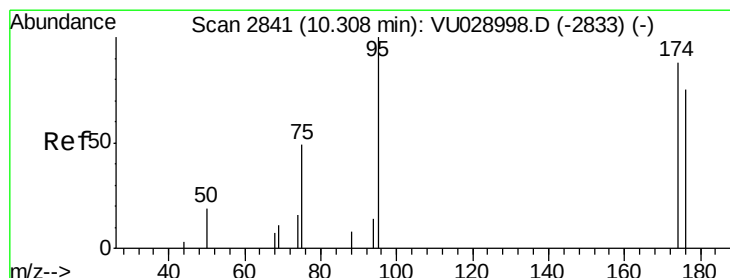
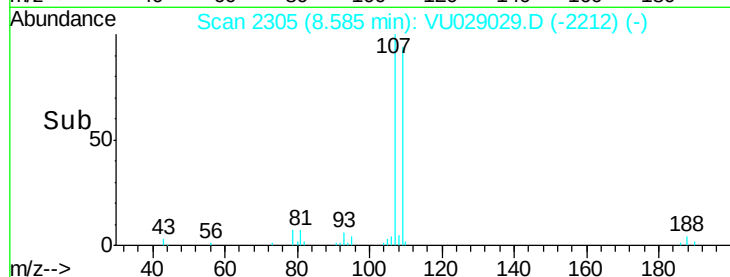
15000

10000

5000

0

Time--> 8.50 8.55 8.60 8.65



#62

4-Bromofluorobenzene

Concen: 48.656 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029029.D

Acq: 04 Jan 2019 15:52

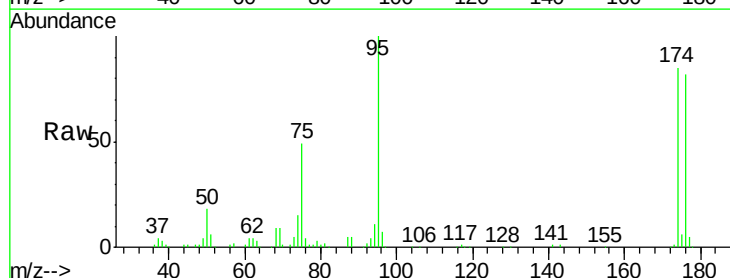
Tgt Ion: 95 Resp: 83766

Ion Ratio Lower Upper

95 100

174 85.1 0.0 170.6

176 83.5 0.0 165.0



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.30

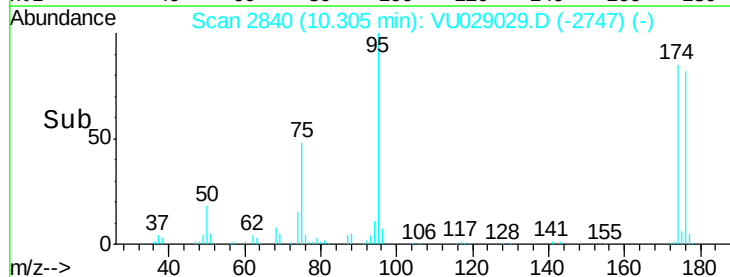
60000

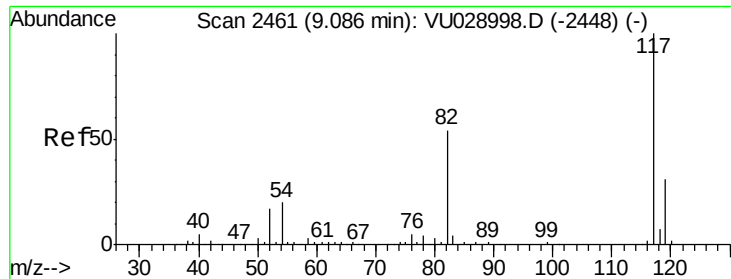
40000

20000

0

Time--> 10.30 10.40

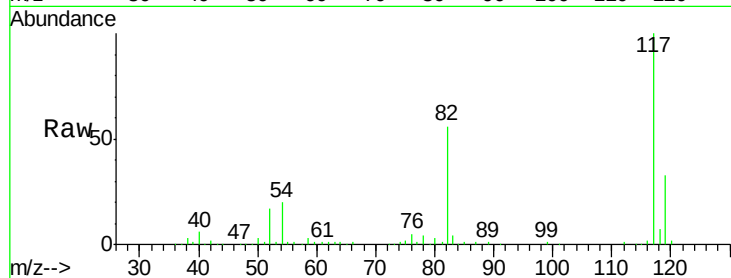




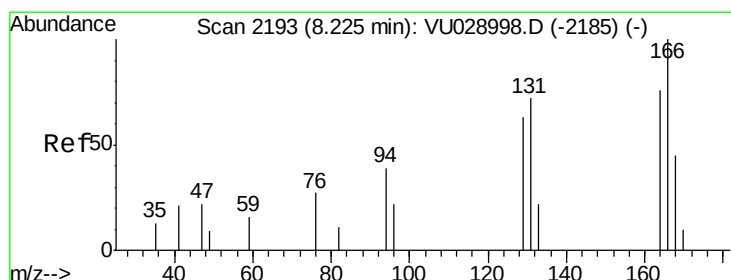
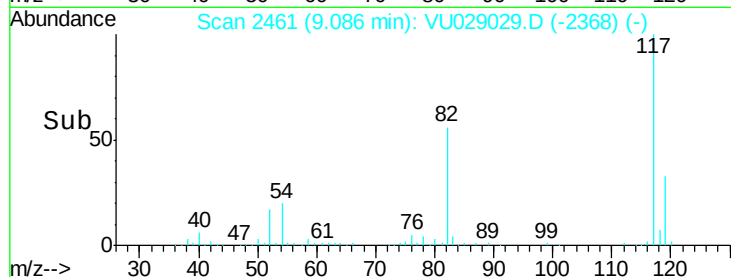
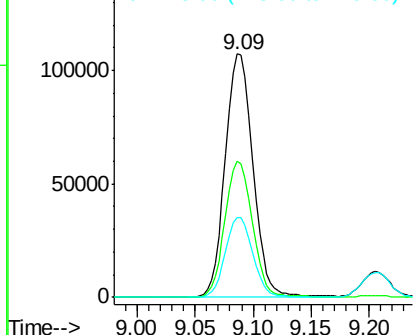
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2461  
Delta R.T. 0.00 min  
Lab File: VU029029.D  
Acq: 04 Jan 2019 15:52

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0105WBSD01

Tot Ion:117 Resp: 177919  
Ion Ratio Lower Upper  
117 100  
82 55.7 43.9 65.9  
119 32.9 26.0 39.0

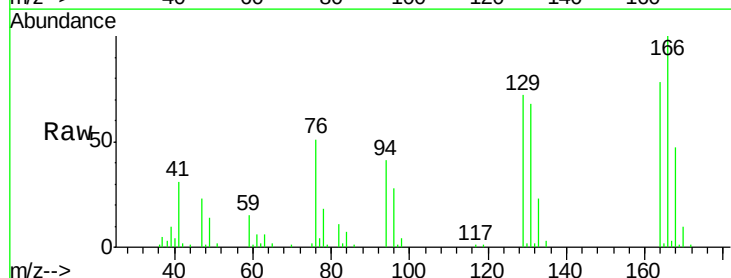


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

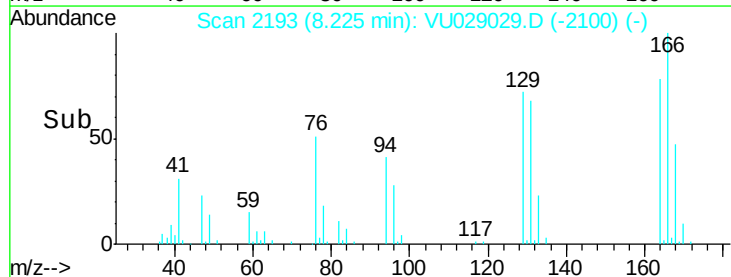
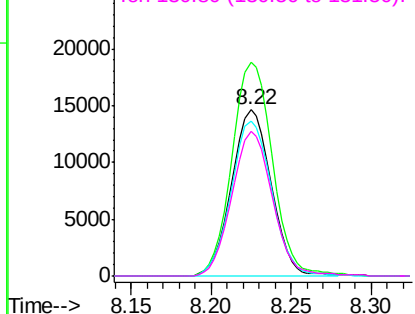


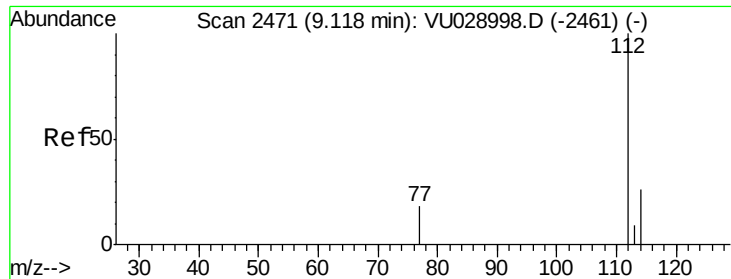
#64  
Tetrachloroethene  
Concen: 19.259 ug/l  
RT: 8.22 min Scan# 2193  
Delta R.T. 0.00 min  
Lab File: VU029029.D  
Acq: 04 Jan 2019 15:52

Tgt Ion:164 Resp: 24683  
Ion Ratio Lower Upper  
164 100  
166 128.8 99.4 149.0  
129 93.0 70.5 105.7  
131 87.3 69.0 103.6



Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.452 ug/l

RT: 9.12 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VU029029.D

Acq: 04 Jan 2019 15:52

Instrument :

MSVOA\_U

ClientSampleId :

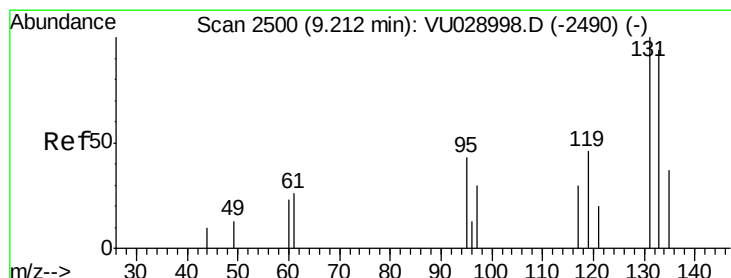
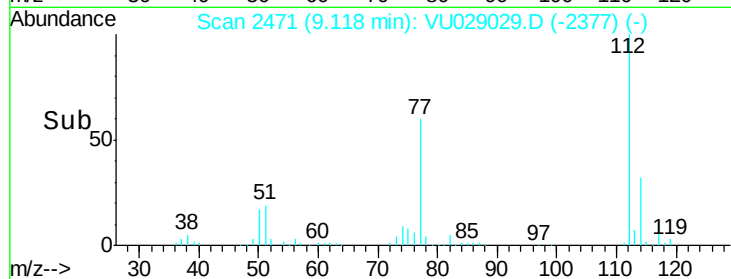
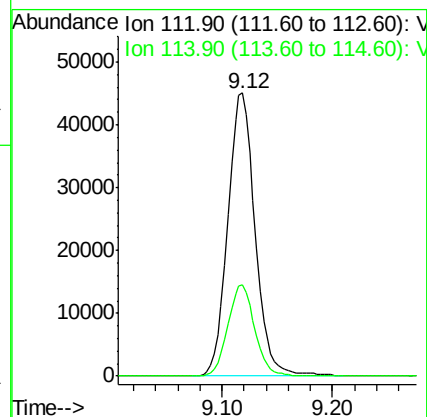
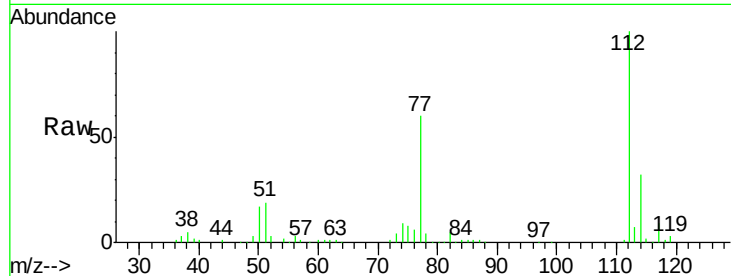
VU0105WBSD01

Tot Ion:112 Resp: 77577

Ion Ratio Lower Upper

112 100

114 32.2 25.0 37.6



#66

1,1,1,2-Tetrachloroethane

Concen: 20.429 ug/l

RT: 9.21 min Scan# 2498

Delta R.T. 0.00 min

Lab File: VU029029.D

Acq: 04 Jan 2019 15:52

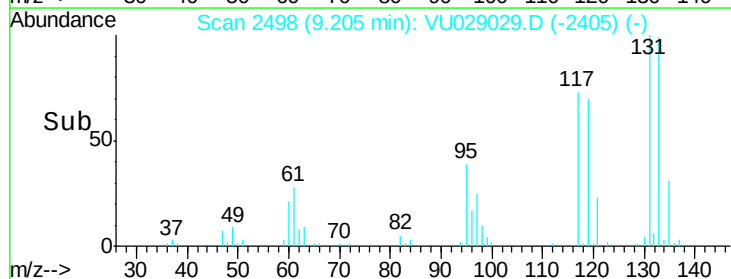
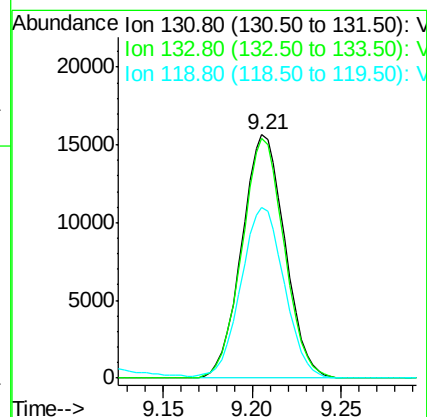
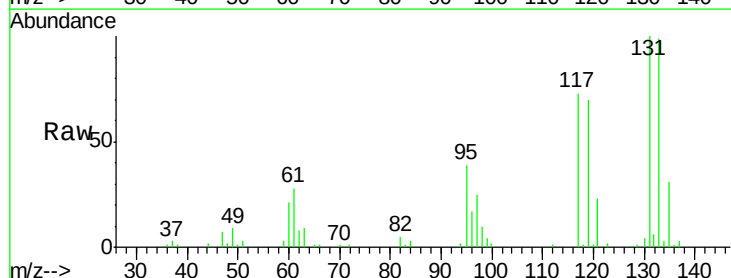
Tgt Ion:131 Resp: 26440

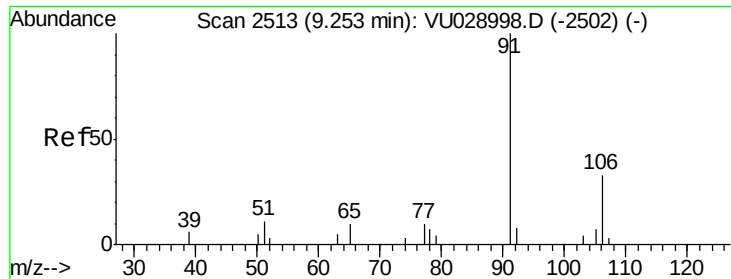
Ion Ratio Lower Upper

131 100

133 96.3 48.2 144.6

119 70.8 35.4 106.3

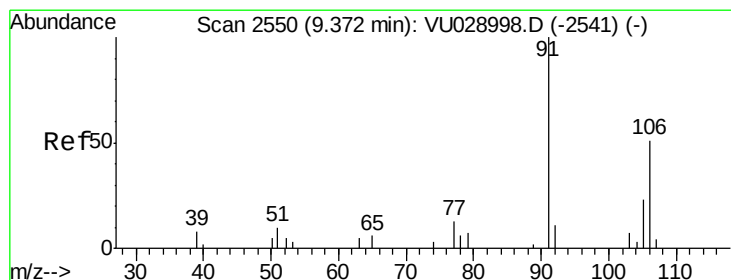
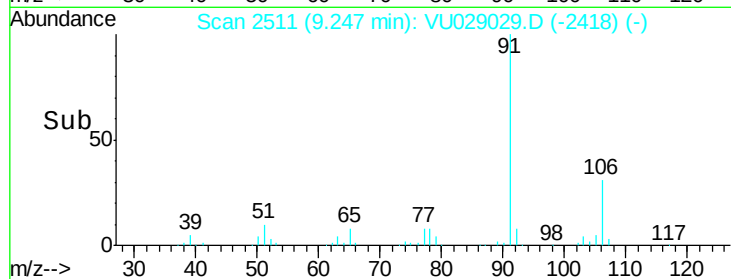
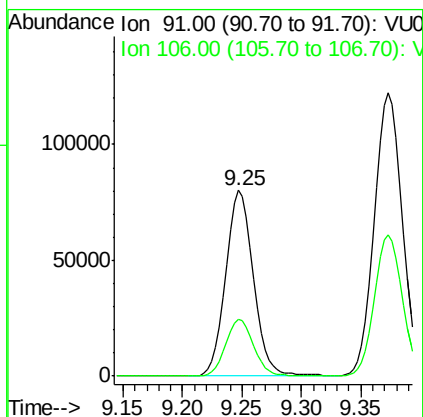
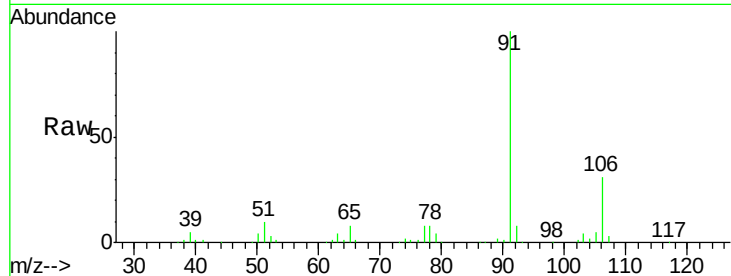




#67  
Ethyl Benzene  
Concen: 19.565 ug/l  
RT: 9.25 min Scan# 2511  
Delta R.T. 0.00 min  
Lab File: VU029029.D  
Acq: 04 Jan 2019 15:52

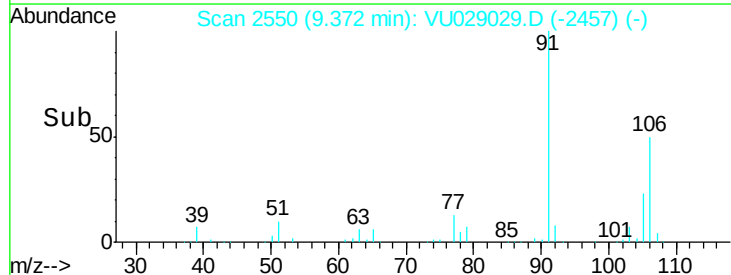
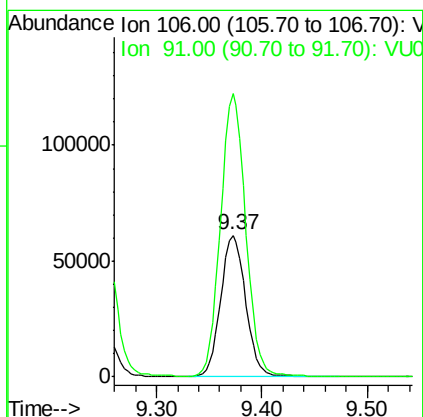
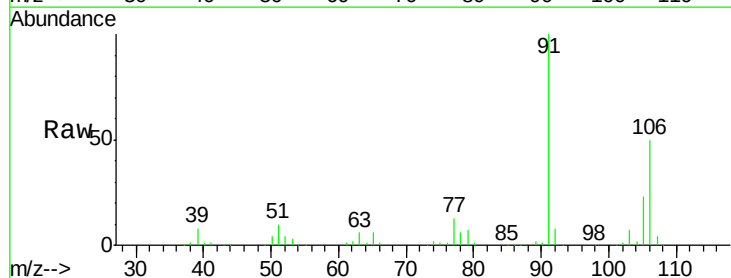
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0105WBSD01

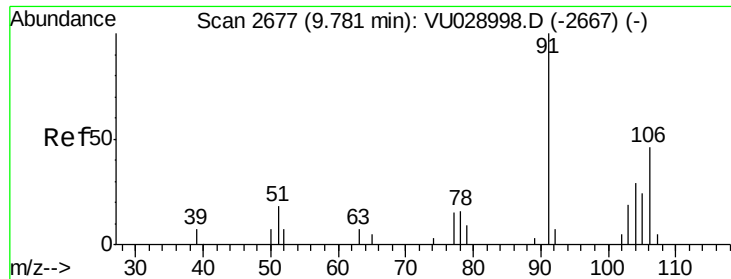
Tot Ion: 91 Resp: 130269  
Ion Ratio Lower Upper  
91 100  
106 30.5 25.0 37.4



#68  
m/p-Xylenes  
Concen: 38.875 ug/l  
RT: 9.37 min Scan# 2550  
Delta R.T. 0.00 min  
Lab File: VU029029.D  
Acq: 04 Jan 2019 15:52

Tgt Ion: 106 Resp: 100575  
Ion Ratio Lower Upper  
106 100  
91 201.1 161.7 242.5

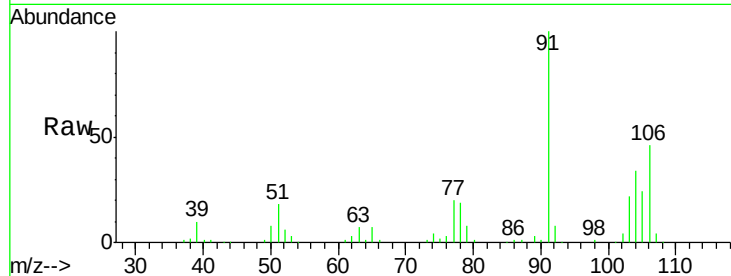




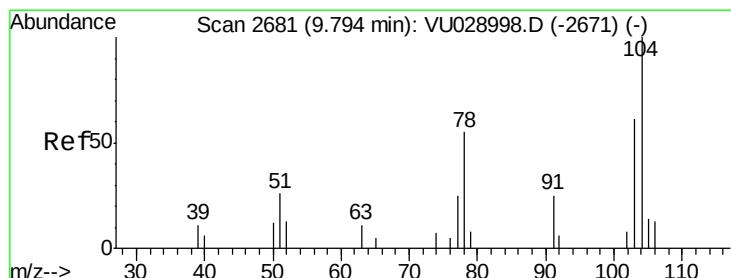
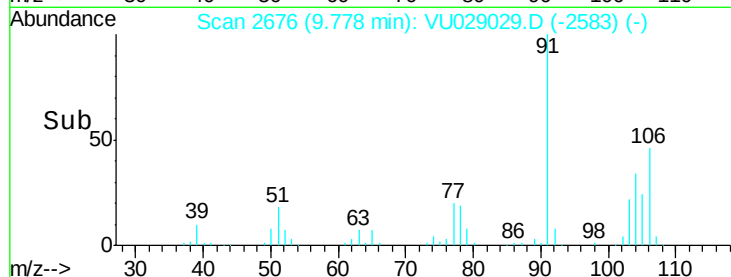
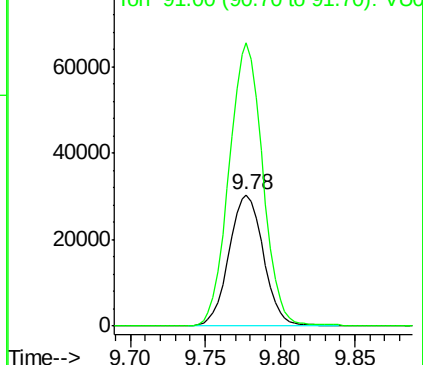
#69  
o-Xylene  
Concen: 19.563 ug/l  
RT: 9.78 min Scan# 2676  
Delta R.T. 0.00 min  
Lab File: VU029029.D  
Acq: 04 Jan 2019 15:52

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0105WBSD01

Tot Ion:106 Resp: 48765  
Ion Ratio Lower Upper  
106 100  
91 211.4 106.1 318.3

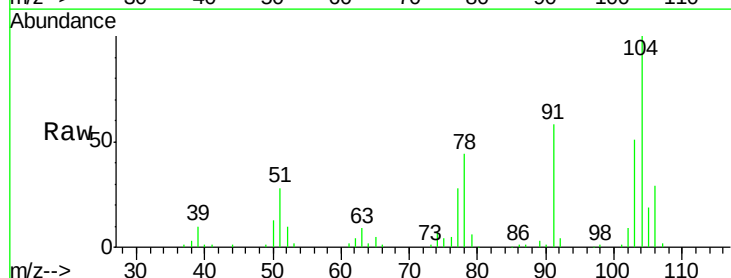


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VU0

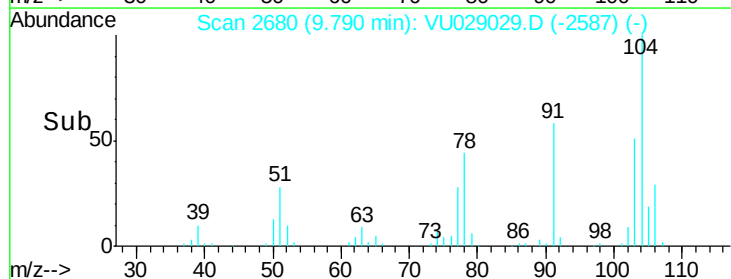
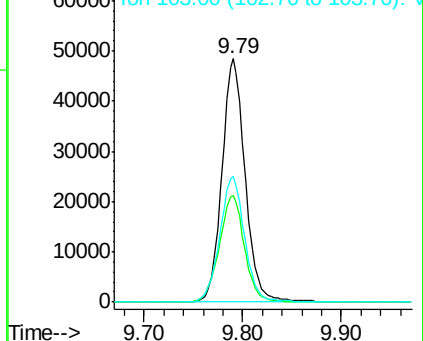


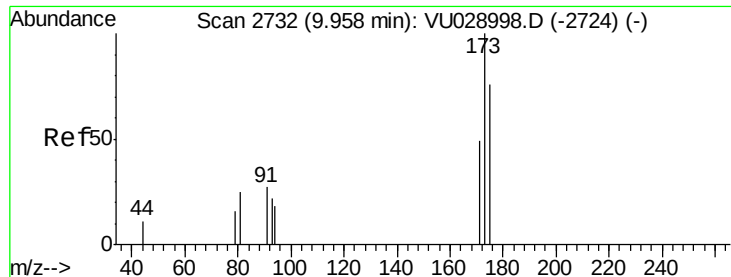
#70  
Styrene  
Concen: 19.596 ug/l  
RT: 9.79 min Scan# 2680  
Delta R.T. 0.00 min  
Lab File: VU029029.D  
Acq: 04 Jan 2019 15:52

Tgt Ion:104 Resp: 80079  
Ion Ratio Lower Upper  
104 100  
78 47.2 38.6 58.0  
103 55.1 44.5 66.7



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





#71

Bromoform

Concen: 19.573 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU029029.D

Acq: 04 Jan 2019 15:52

Instrument :

MSVOA\_U

ClientSampleId :

VU0105WBSD01

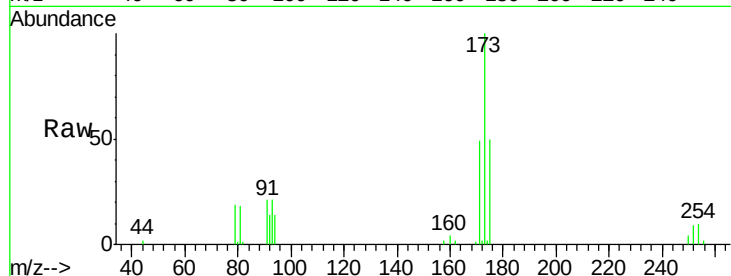
Tot Ion:173 Resp: 22556

Ion Ratio Lower Upper

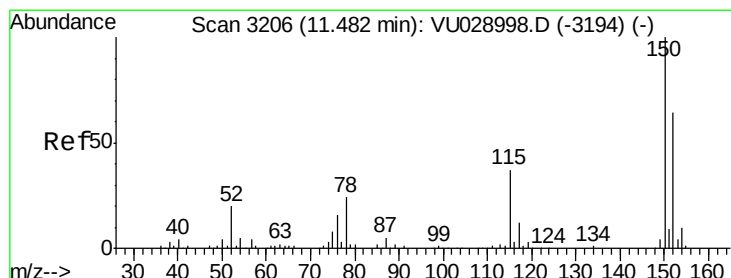
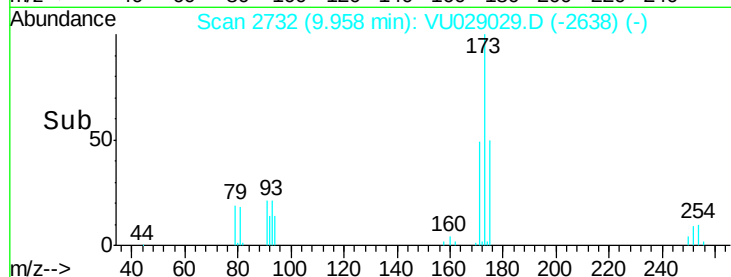
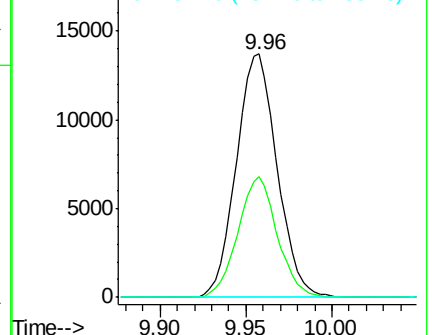
173 100

175 47.6 23.8 71.2

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU029029.D

Acq: 04 Jan 2019 15:52

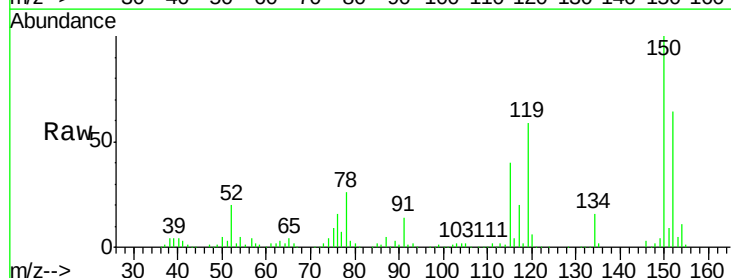
Tgt Ion:152 Resp: 85312

Ion Ratio Lower Upper

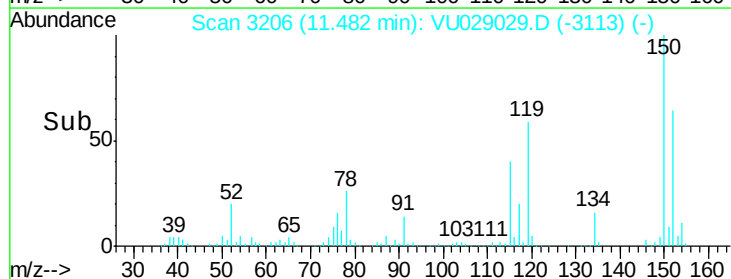
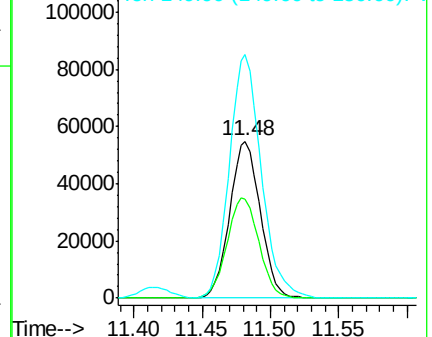
152 100

115 66.7 40.1 120.3

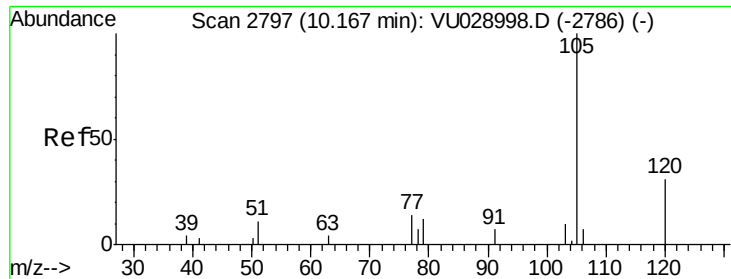
150 161.2 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V







#73

Isopropylbenzene

Concen: 20.036 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029029.D

Acq: 04 Jan 2019 15:52

Instrument :

MSVOA\_U

ClientSampleId :

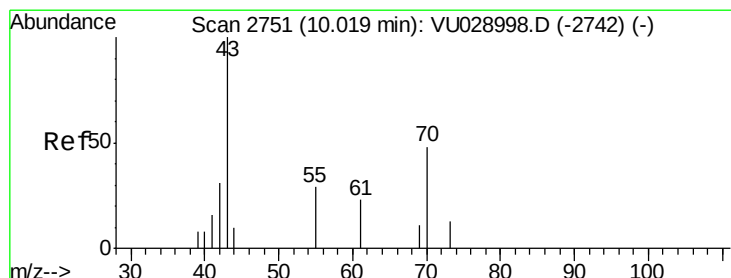
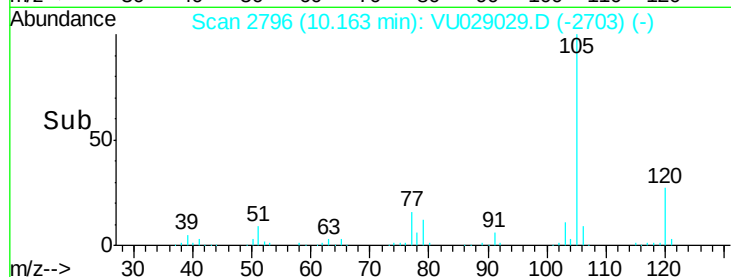
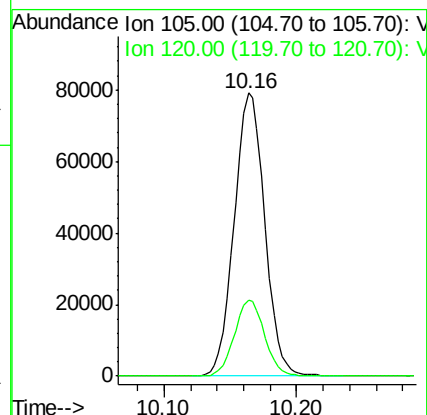
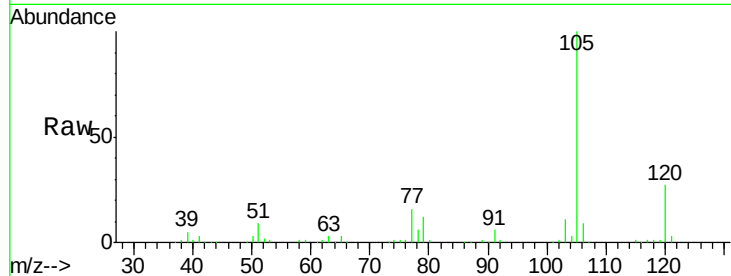
VU0105WBSD01

Tot Ion:105 Resp: 126518

Ion Ratio Lower Upper

105 100

120 26.5 13.2 39.5



#74

N-ethyl acetate

Concen: 20.462 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU029029.D

Acq: 04 Jan 2019 15:52

Tgt Ion: 43 Resp: 55677

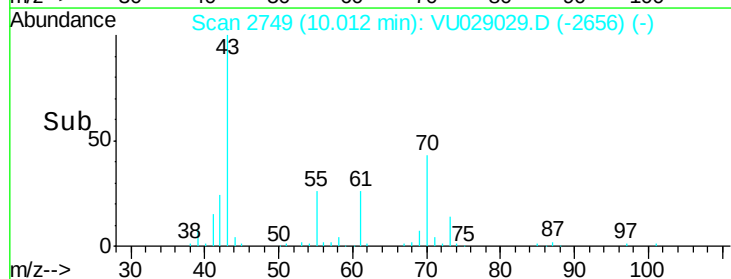
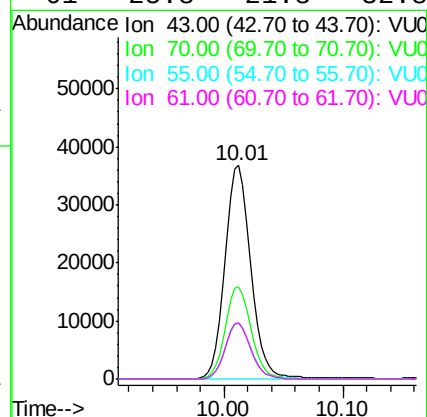
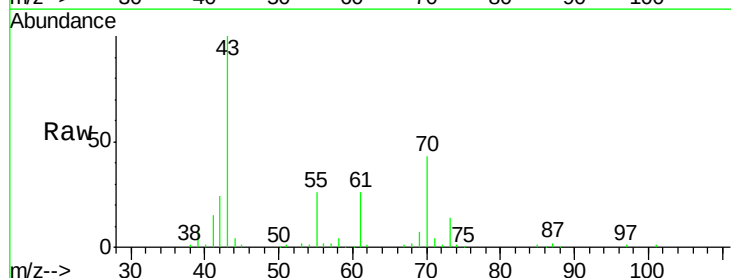
Ion Ratio Lower Upper

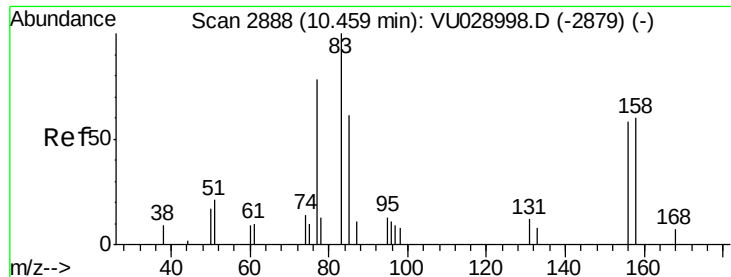
43 100

70 43.3 36.3 54.5

55 26.2 20.5 30.7

61 25.8 21.8 32.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.332 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029029.D

Acq: 04 Jan 2019 15:52

Instrument :

MSVOA\_U

ClientSampleId :

VU0105WBSD01

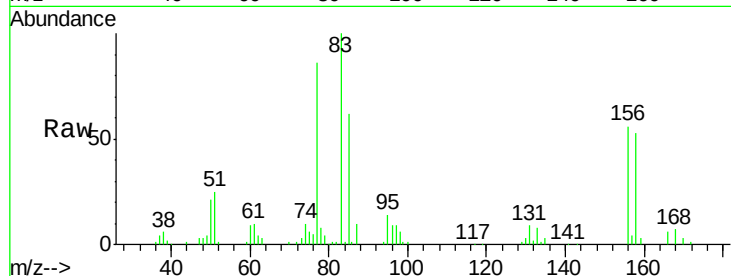
Tot Ion: 83 Resp: 51455

Ion Ratio Lower Upper

83 100

131 9.1 4.7 14.1

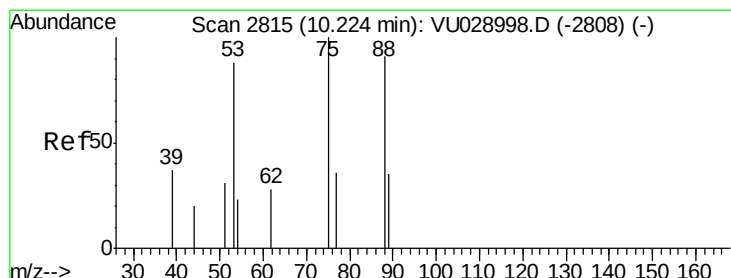
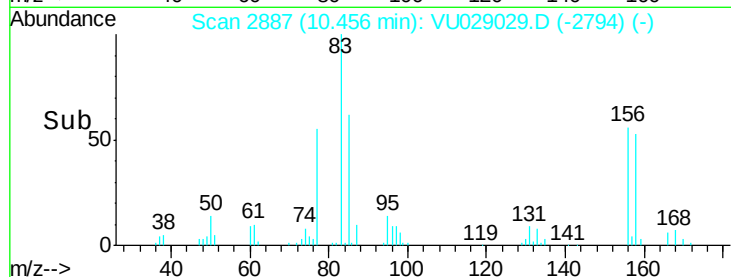
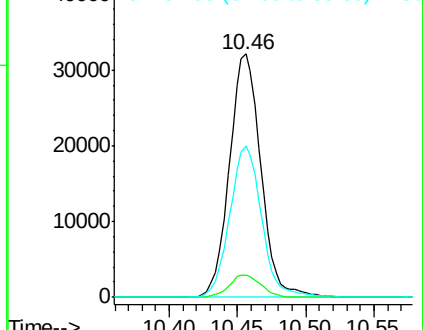
85 63.1 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 27.305 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU029029.D

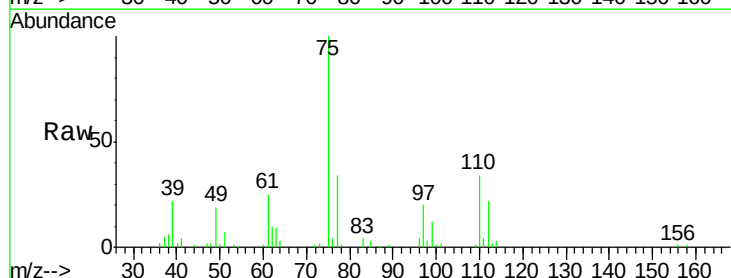
Acq: 04 Jan 2019 15:52

Tgt Ion: 75 Resp: 57076

Ion Ratio Lower Upper

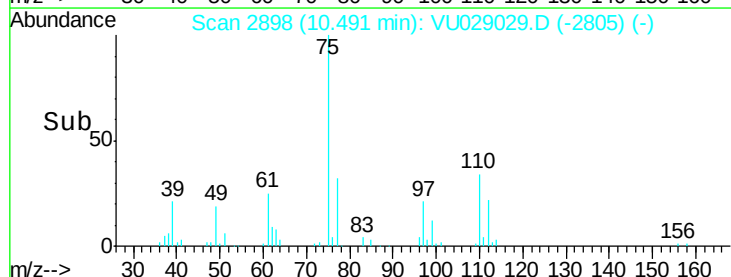
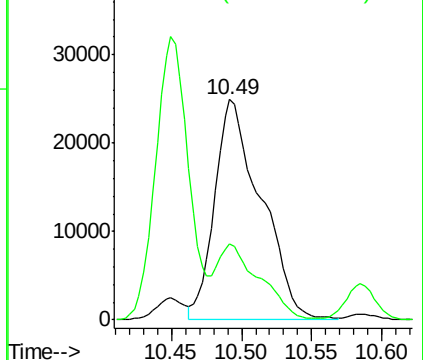
75 100

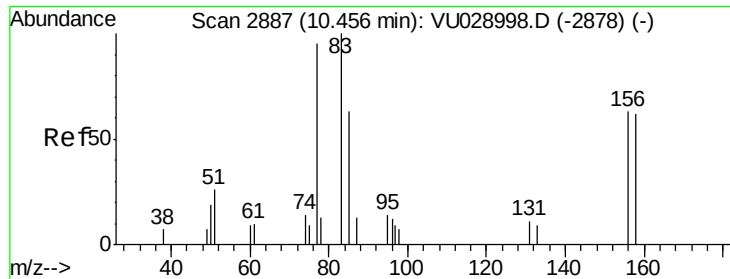
77 31.2 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 19.683 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU029029.D

Acq: 04 Jan 2019 15:52

Instrument :

MSVOA\_U

ClientSampleId :

VU0105WBSD01

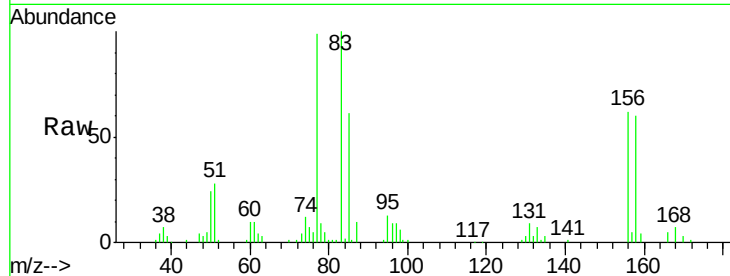
Tot Ion:156 Resp: 32389

Ion Ratio Lower Upper

156 100

77 161.4 79.0 237.2

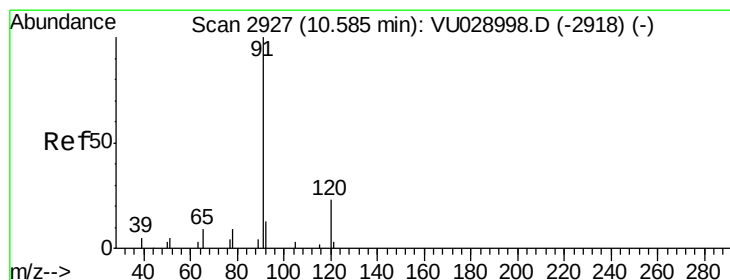
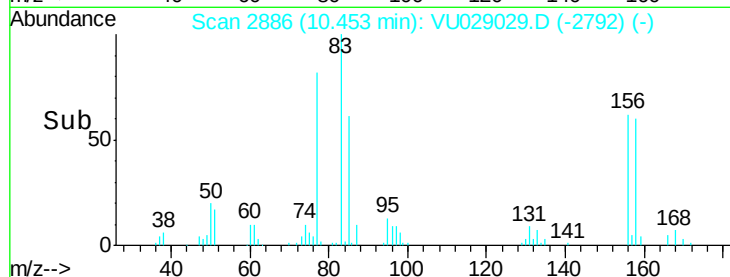
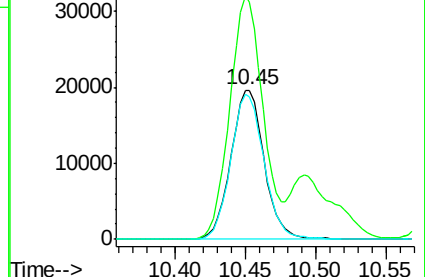
158 97.5 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.074 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029029.D

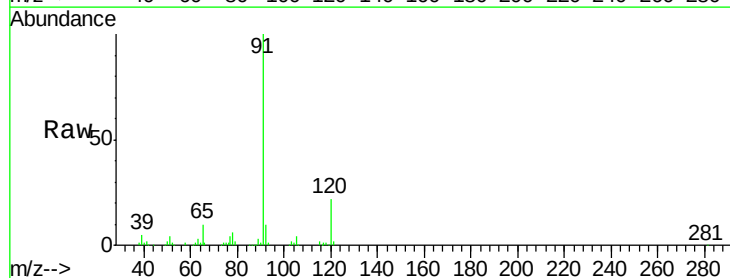
Acq: 04 Jan 2019 15:52

Tgt Ion: 91 Resp: 149382

Ion Ratio Lower Upper

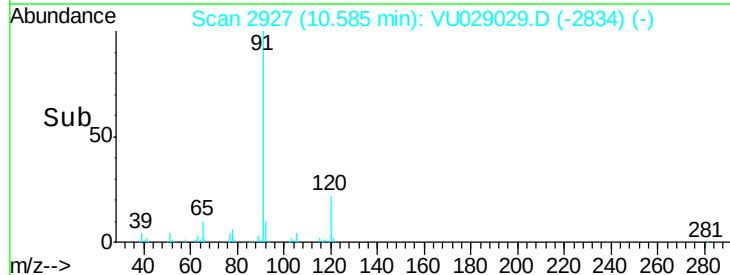
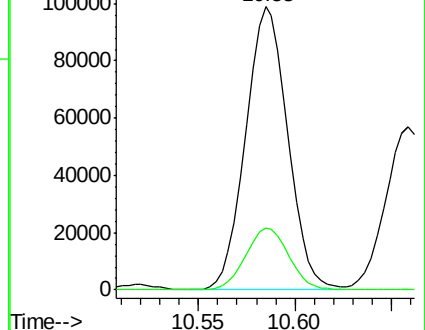
91 100

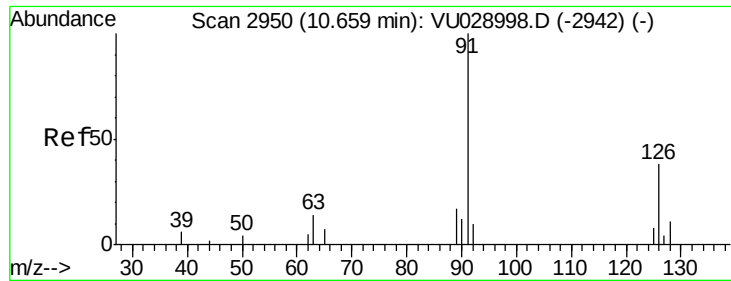
120 22.5 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

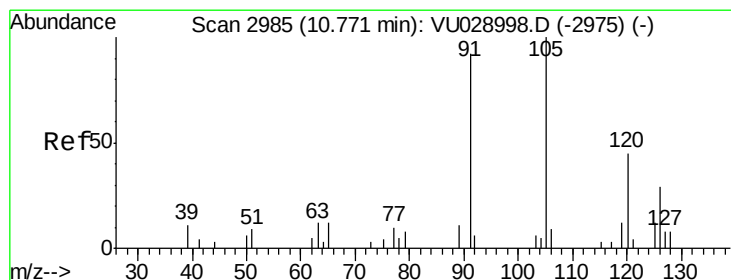
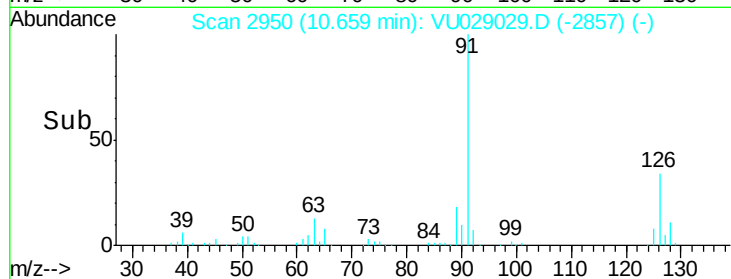
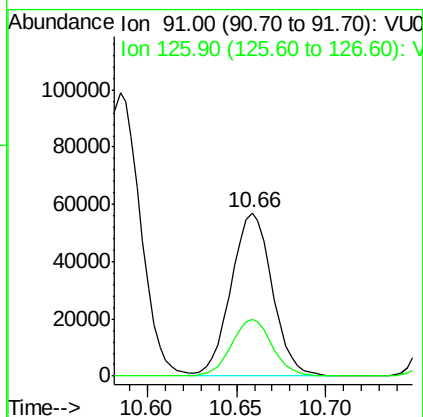
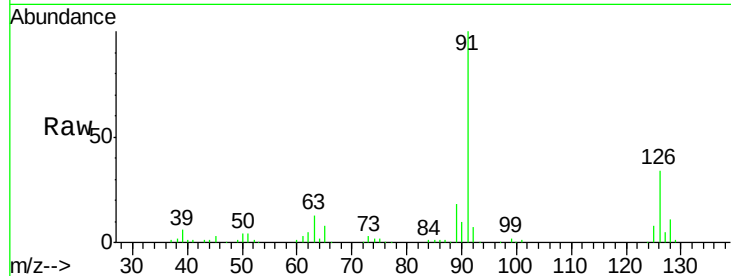




#79  
 2-Chlorotoluene  
 Concen: 20.180 ug/l  
 RT: 10.66 min Scan# 2950  
 Delta R.T. 0.00 min  
 Lab File: VU029029.D  
 Acq: 04 Jan 2019 15:52

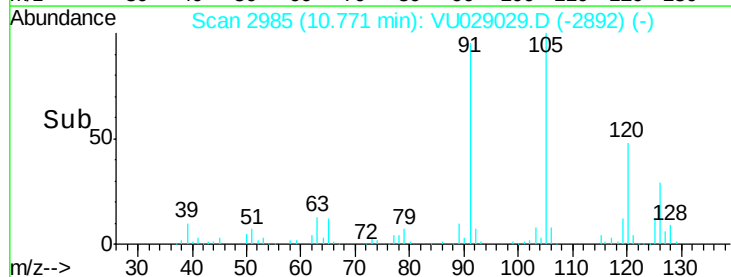
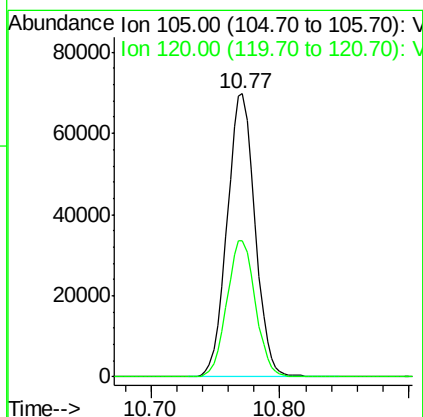
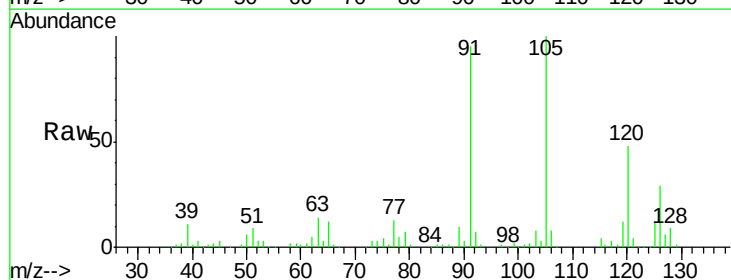
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0105WBSD01

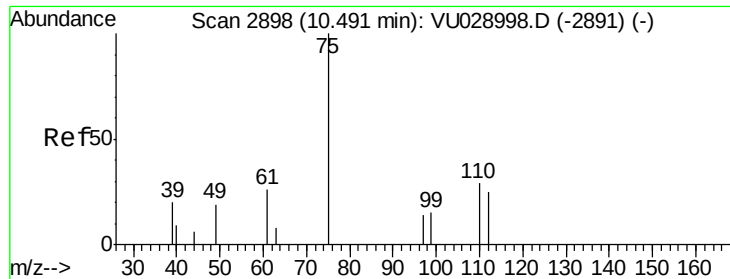
Tot Ion: 91 Resp: 91094  
 Ion Ratio Lower Upper  
 91 100  
 126 34.6 16.8 50.4



#80  
 1,3,5-Trimethylbenzene  
 Concen: 19.884 ug/l  
 RT: 10.77 min Scan# 2985  
 Delta R.T. 0.00 min  
 Lab File: VU029029.D  
 Acq: 04 Jan 2019 15:52

Tgt Ion: 105 Resp: 104850  
 Ion Ratio Lower Upper  
 105 100  
 120 49.2 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 70.422 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VU029029.D

Acq: 04 Jan 2019 15:52

Instrument :

MSVOA\_U

ClientSampleId :

VU0105WBSD01

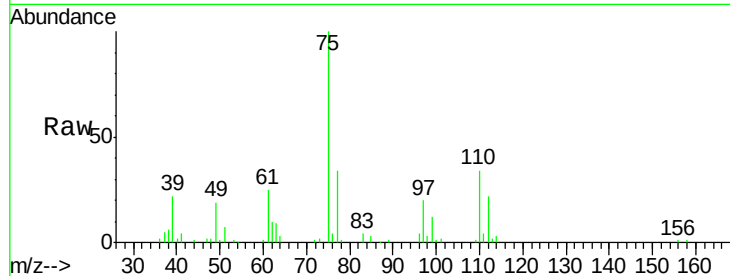
Tot Ion: 75 Resp: 57076

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

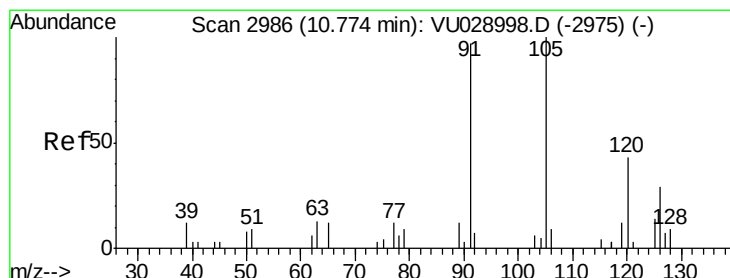
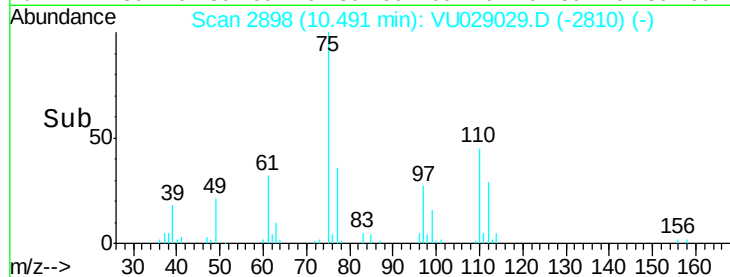
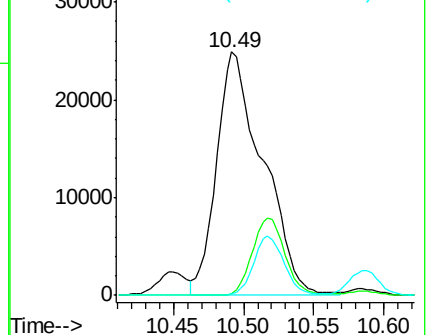
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 19.695 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU029029.D

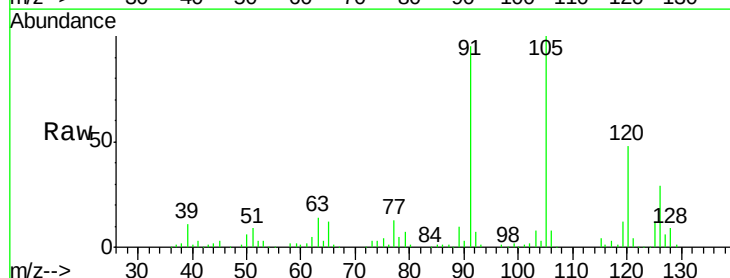
Acq: 04 Jan 2019 15:52

Tgt Ion: 91 Resp: 101945

Ion Ratio Lower Upper

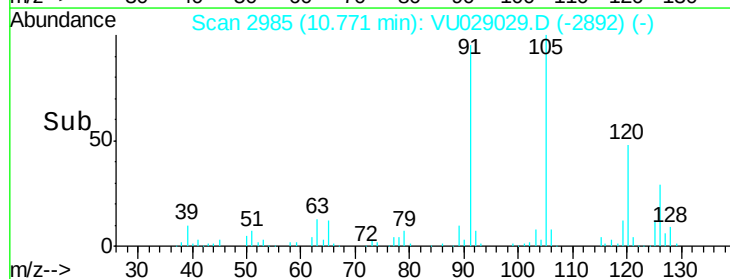
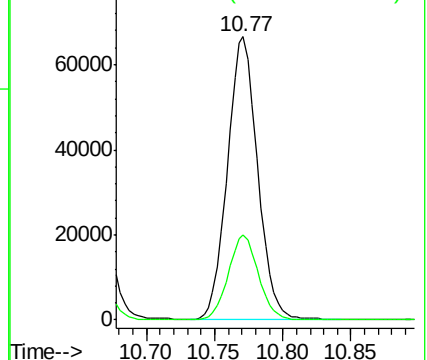
91 100

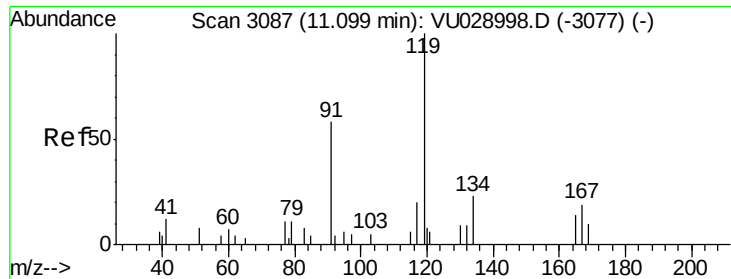
126 30.1 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

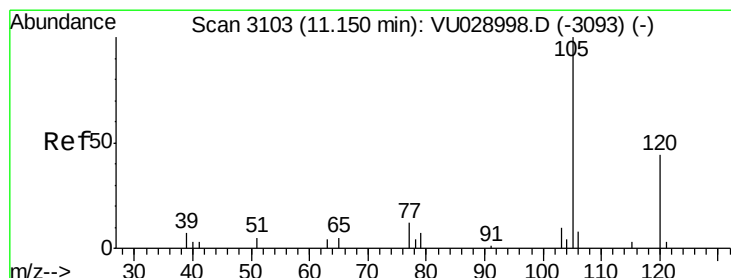
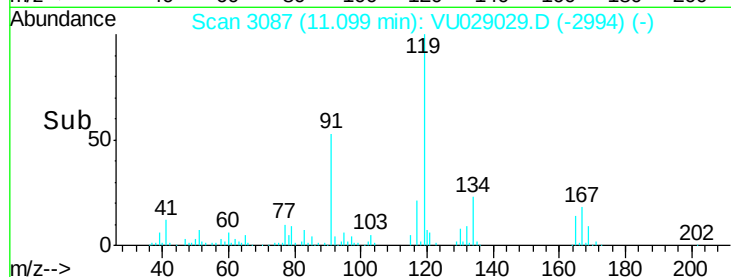
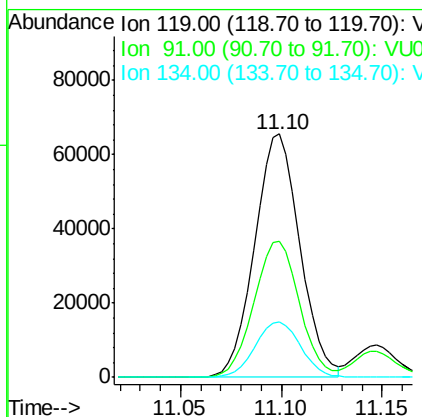
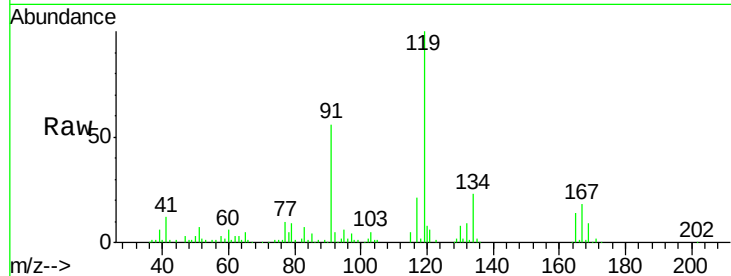




#83  
 tert-Butylbenzene  
 Concen: 19.766 ug/l  
 RT: 11.10 min Scan# 3087  
 Delta R.T. 0.00 min  
 Lab File: VU029029.D  
 Acq: 04 Jan 2019 15:52

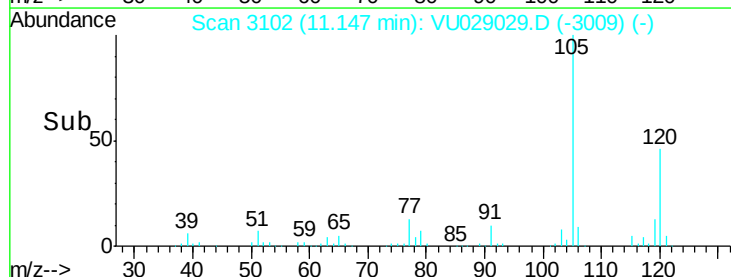
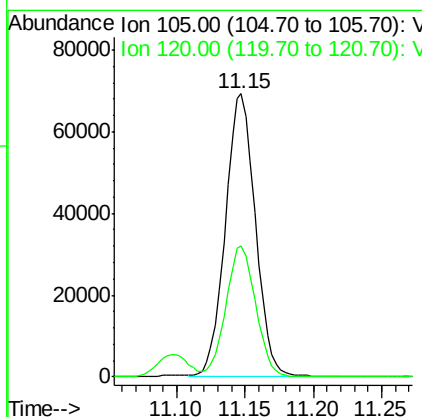
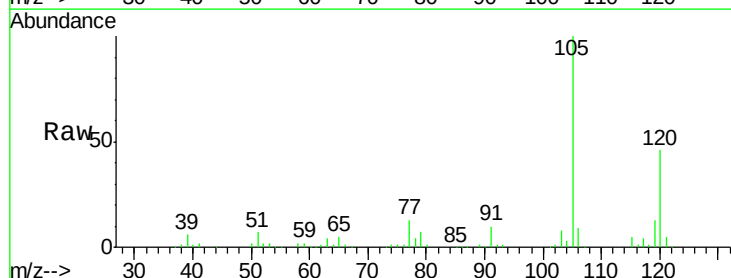
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0105WBSD01

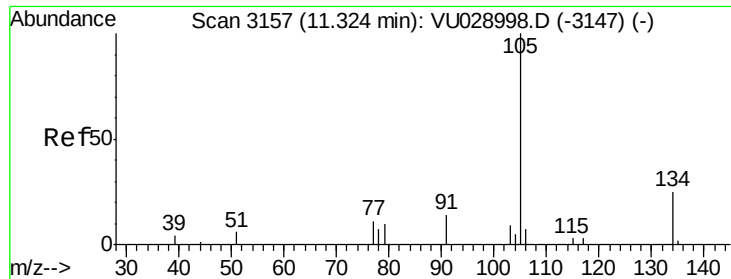
Tot Ion:119 Resp: 102733  
 Ion Ratio Lower Upper  
 119 100  
 91 56.5 28.2 84.6  
 134 23.0 11.3 33.8



#84  
 1,2,4-Trimethylbenzene  
 Concen: 20.186 ug/l  
 RT: 11.15 min Scan# 3102  
 Delta R.T. 0.00 min  
 Lab File: VU029029.D  
 Acq: 04 Jan 2019 15:52

Tgt Ion:105 Resp: 106272  
 Ion Ratio Lower Upper  
 105 100  
 120 45.8 23.1 69.3





#85

sec-Butylbenzene

Concen: 19.847 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VU029029.D

Acq: 04 Jan 2019 15:52

Instrument :

MSVOA\_U

ClientSampleId :

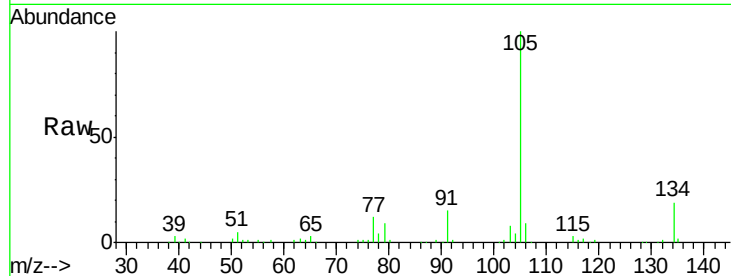
VU0105WBSD01

Tot Ion:105 Resp: 124752

Ion Ratio Lower Upper

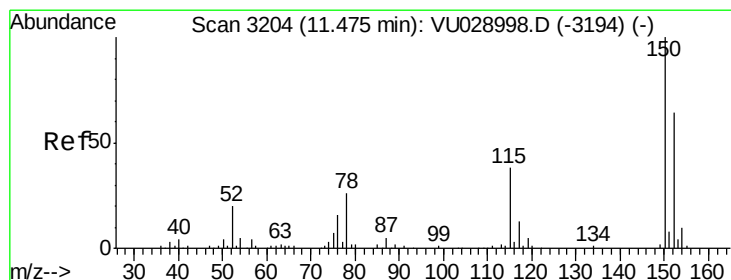
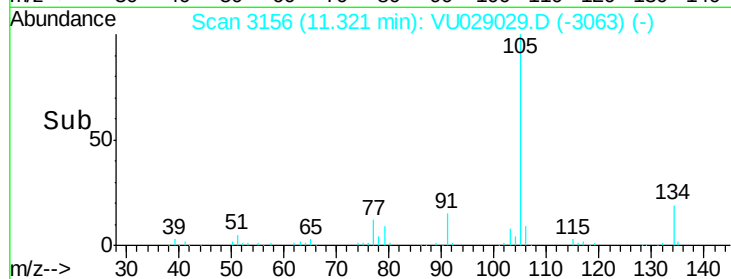
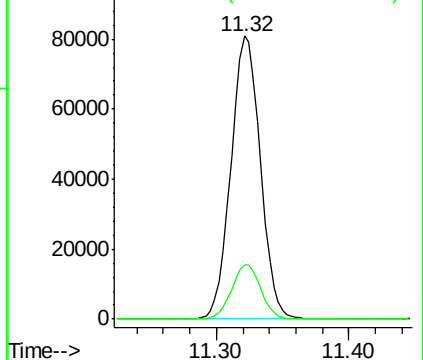
105 100

134 19.0 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.723 ug/l

RT: 11.47 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VU029029.D

Acq: 04 Jan 2019 15:52

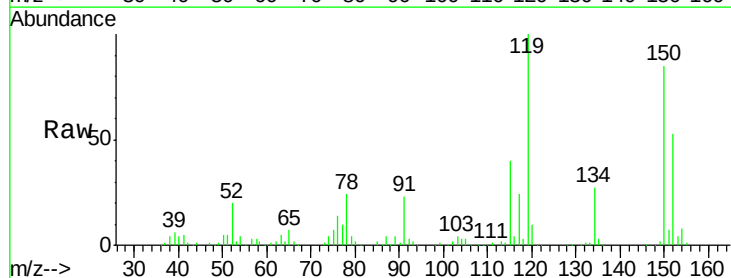
Tgt Ion:119 Resp: 105638

Ion Ratio Lower Upper

119 100

134 26.2 13.5 40.4

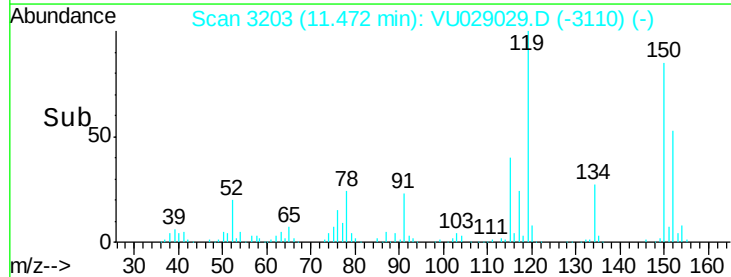
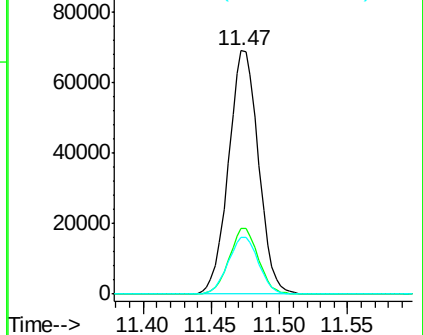
91 23.6 11.3 33.8

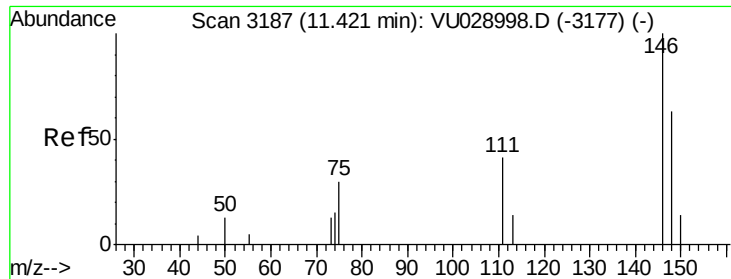


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

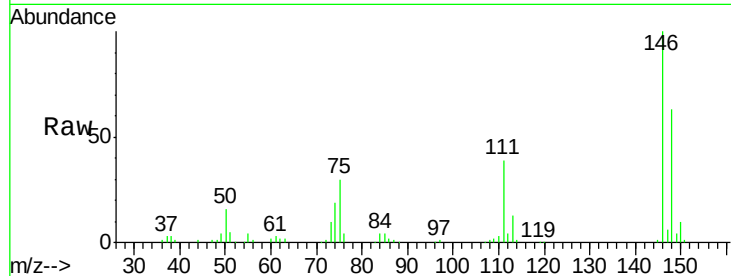




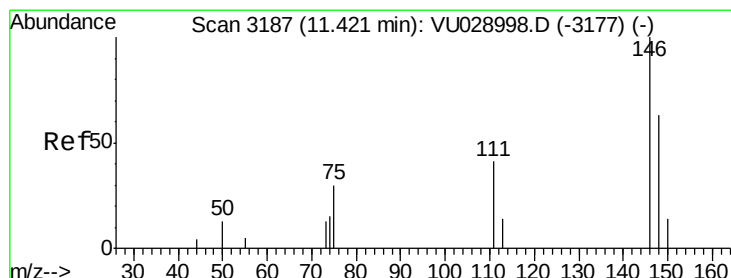
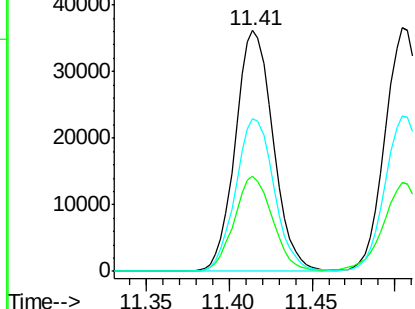
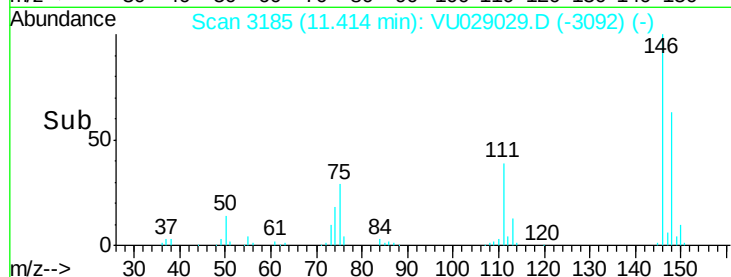
#87  
 1,3-Dichlorobenzene  
 Concen: 19.038 ug/l  
 RT: 11.41 min Scan# 3185  
 Delta R.T. 0.00 min  
 Lab File: VU029029.D  
 Acq: 04 Jan 2019 15:52

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0105WBSD01

Tot Ion:146 Resp: 57464  
 Ion Ratio Lower Upper  
 146 100  
 111 39.8 19.3 57.8  
 148 64.3 32.5 97.5

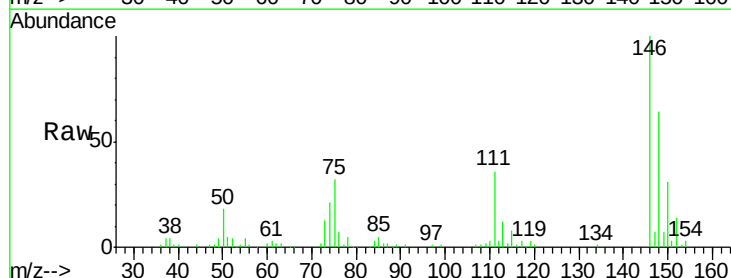


Abundance Ion 145.90 (145.60 to 146.60): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

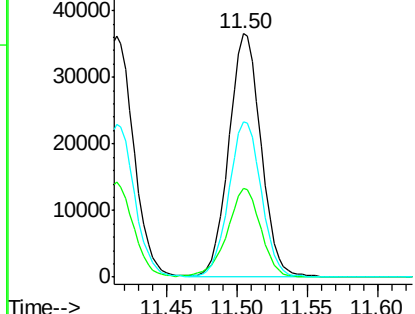
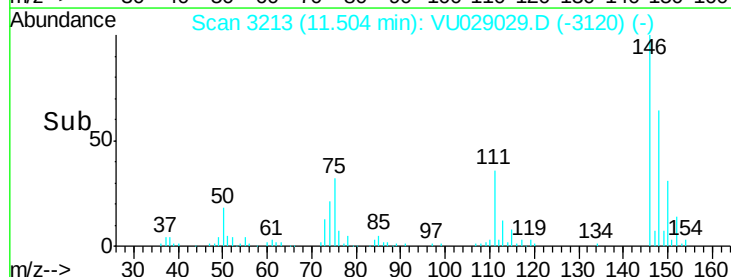


#88  
 1,4-Dichlorobenzene  
 Concen: 18.803 ug/l  
 RT: 11.50 min Scan# 3213  
 Delta R.T. 0.00 min  
 Lab File: VU029029.D  
 Acq: 04 Jan 2019 15:52

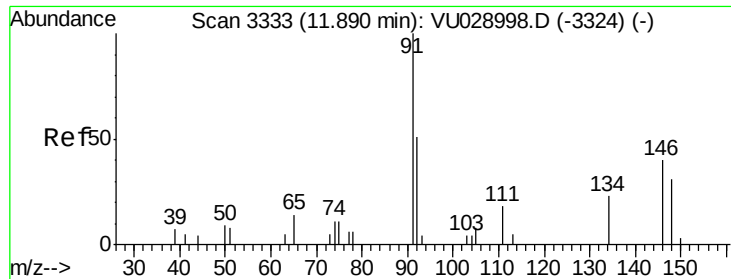
Tgt Ion:146 Resp: 58584  
 Ion Ratio Lower Upper  
 146 100  
 111 37.8 19.1 57.3  
 148 64.3 32.6 98.0



Abundance Ion 145.90 (145.60 to 146.60): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V







#89

n-Butylbenzene

Concen: 18.979 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VU029029.D

Acq: 04 Jan 2019 15:52

Instrument :

MSVOA\_U

ClientSampleId :

VU0105WBSD01

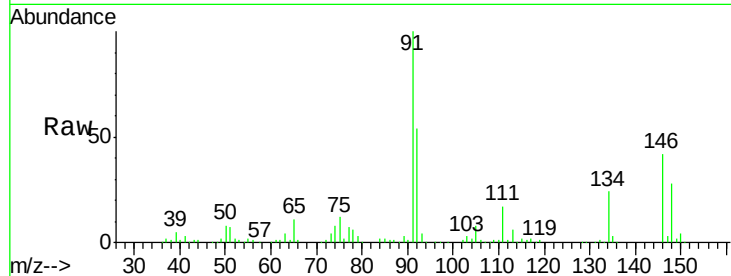
Tot Ion: 91 Resp: 90731

Ion Ratio Lower Upper

91 100

92 53.6 26.2 78.5

134 24.1 12.6 37.6

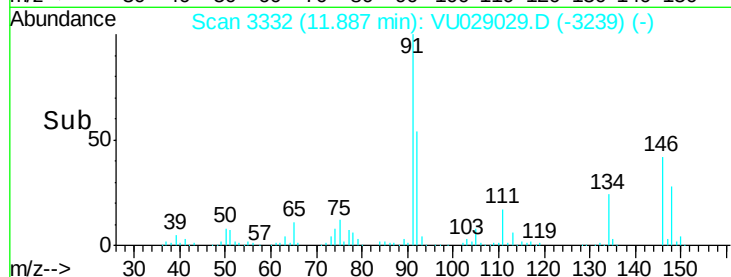


Abundance Ion 91.00 (90.70 to 91.70): VU028998.D (-3324) (-)

Ion 92.00 (91.70 to 92.70): VU028998.D (-3324) (-)

Ion 134.00 (133.70 to 134.70): VU028998.D (-3324) (-)

Time-->

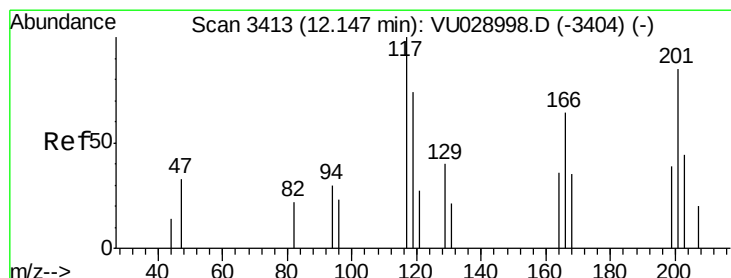


Abundance Ion 91.00 (90.70 to 91.70): VU029029.D (-3239) (-)

Ion 92.00 (91.70 to 92.70): VU029029.D (-3239) (-)

Ion 134.00 (133.70 to 134.70): VU029029.D (-3239) (-)

Time-->



#90

Hexachloroethane

Concen: 19.668 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VU029029.D

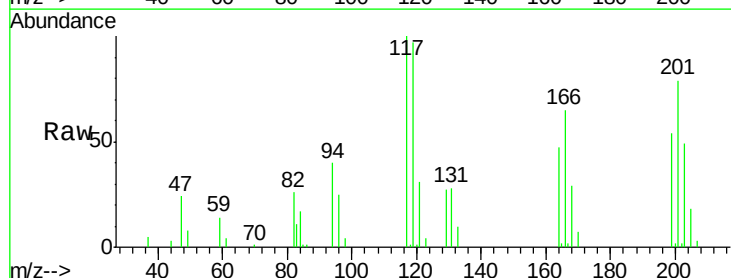
Acq: 04 Jan 2019 15:52

Tgt Ion: 117 Resp: 17722

Ion Ratio Lower Upper

117 100

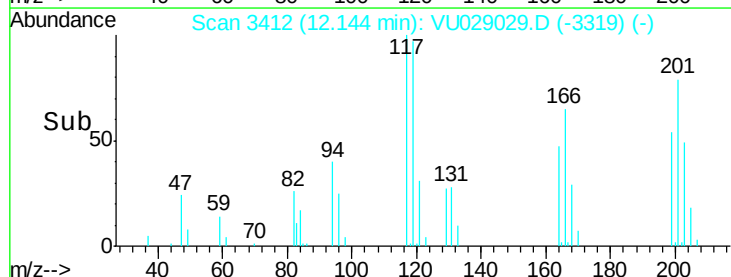
201 80.6 42.4 127.3



Abundance Ion 116.80 (116.50 to 117.50): VU028998.D (-3404) (-)

Ion 200.70 (200.40 to 201.40): VU028998.D (-3404) (-)

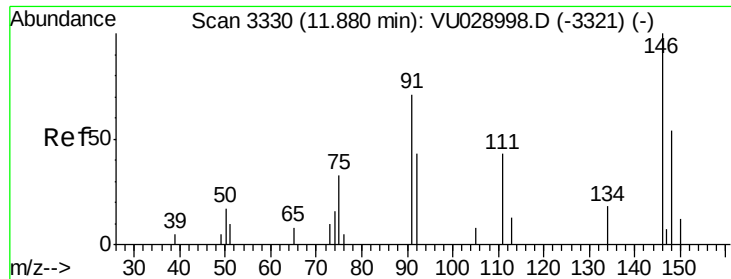
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VU029029.D (-3319) (-)

Ion 200.70 (200.40 to 201.40): VU029029.D (-3319) (-)

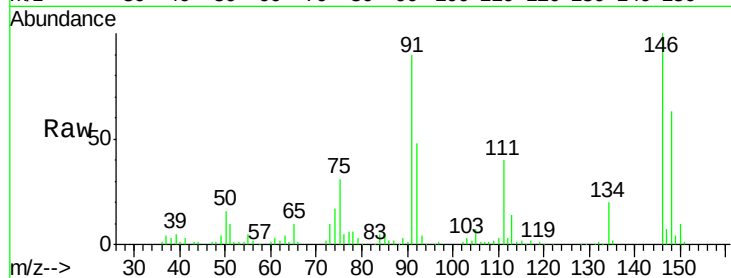
Time-->



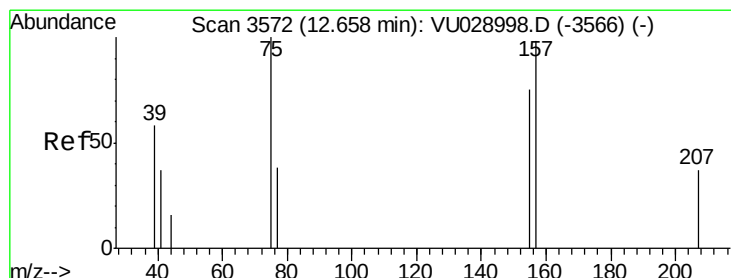
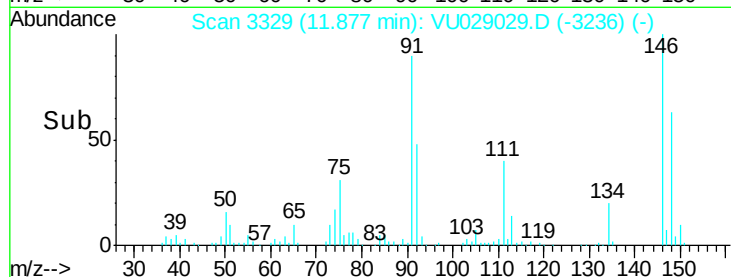
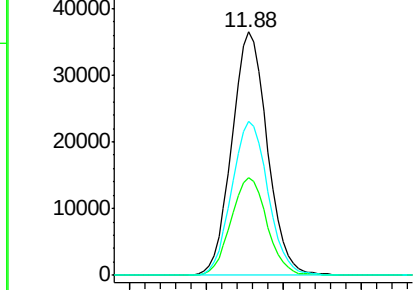
#91  
 1,2-Dichlorobenzene  
 Concen: 19.089 ug/l  
 RT: 11.88 min Scan# 3329  
 Delta R.T. 0.00 min  
 Lab File: VU029029.D  
 Acq: 04 Jan 2019 15:52

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0105WBSD01

Tot Ion:146 Resp: 58033  
 Ion Ratio Lower Upper  
 146 100  
 111 40.7 20.0 59.9  
 148 64.8 31.6 94.8

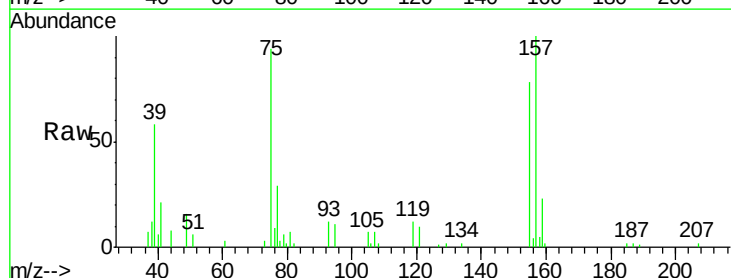


Abundance Ion 145.90 (145.60 to 146.60): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

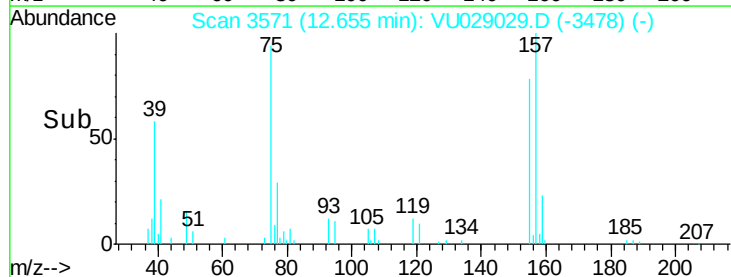
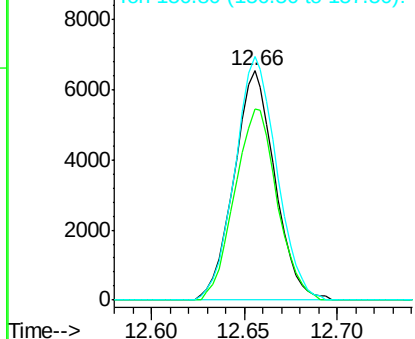


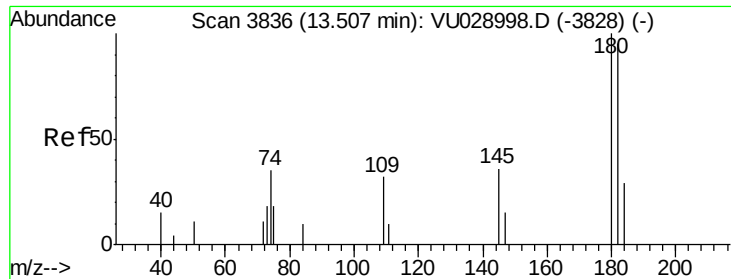
#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 20.560 ug/l  
 RT: 12.66 min Scan# 3571  
 Delta R.T. 0.00 min  
 Lab File: VU029029.D  
 Acq: 04 Jan 2019 15:52

Tgt Ion: 75 Resp: 10008  
 Ion Ratio Lower Upper  
 75 100  
 155 86.4 46.3 138.8  
 157 108.7 57.4 172.0



Abundance Ion 74.90 (74.60 to 75.60): VU0  
 Ion 154.80 (154.50 to 155.50): V  
 Ion 156.80 (156.50 to 157.50): V

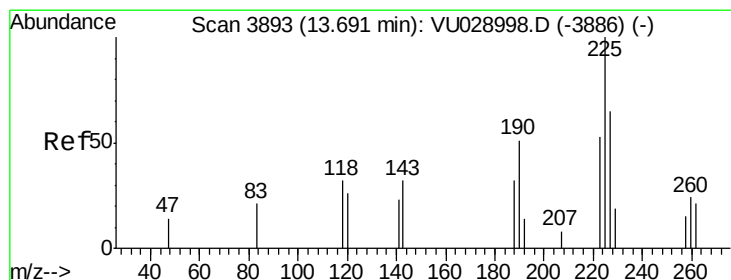
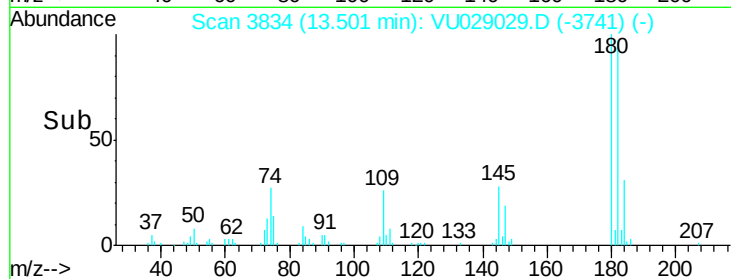
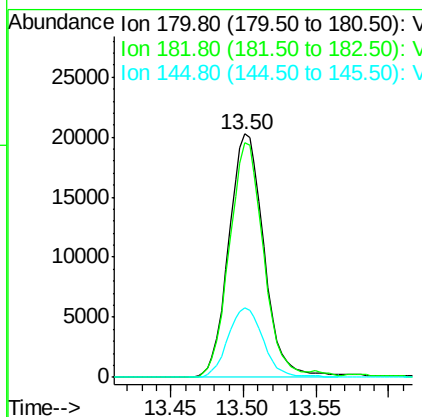
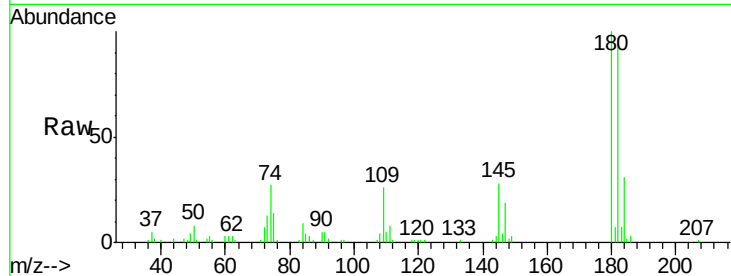




#93  
 1,2,4-Trichlorobenzene  
 Concen: 17.518 ug/l  
 RT: 13.50 min Scan# 3834  
 Delta R.T. 0.00 min  
 Lab File: VU029029.D  
 Acq: 04 Jan 2019 15:52

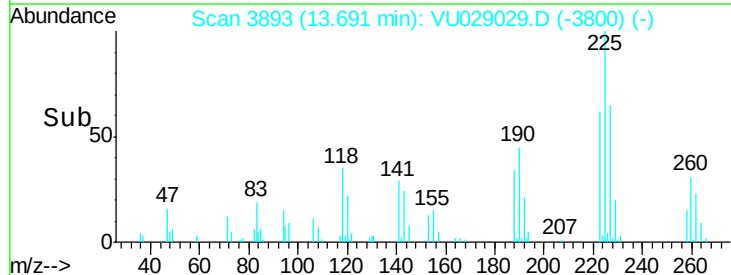
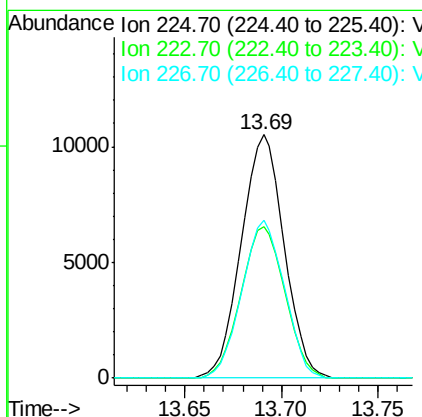
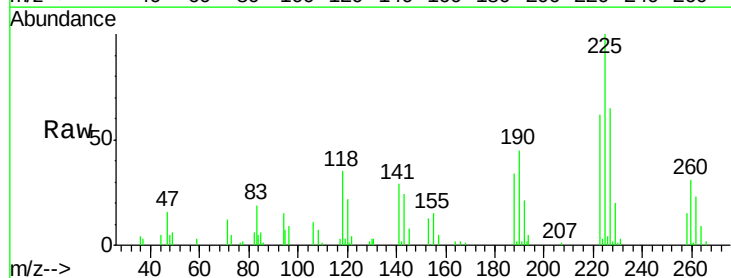
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0105WBSD01

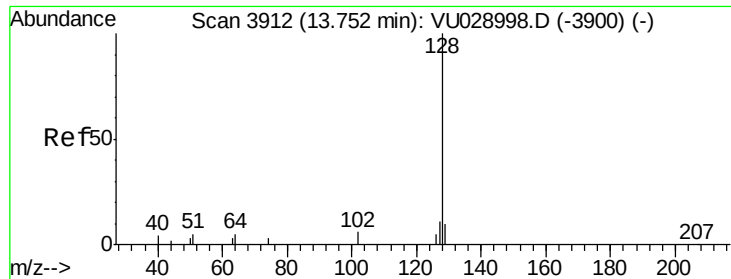
Tot Ion:180 Resp: 33997  
 Ion Ratio Lower Upper  
 180 100  
 182 93.3 47.5 142.6  
 145 28.2 14.0 42.0



#94  
 Hexachlorobutadiene  
 Concen: 18.269 ug/l  
 RT: 13.69 min Scan# 3893  
 Delta R.T. 0.00 min  
 Lab File: VU029029.D  
 Acq: 04 Jan 2019 15:52

Tgt Ion:225 Resp: 16217  
 Ion Ratio Lower Upper  
 225 100  
 223 64.2 31.4 94.0  
 227 64.2 31.9 95.5

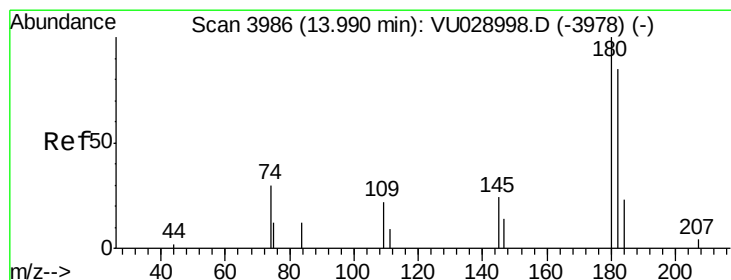
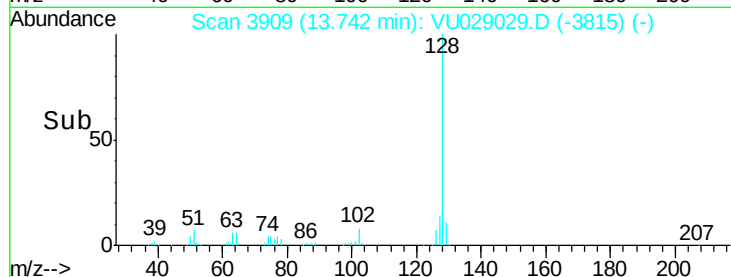
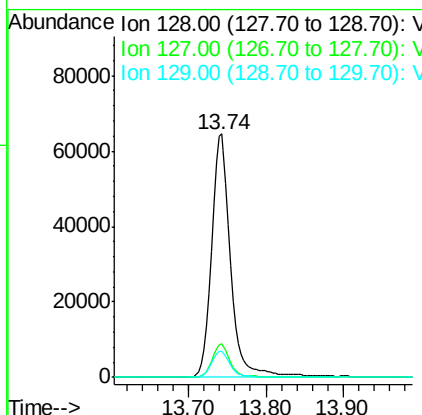
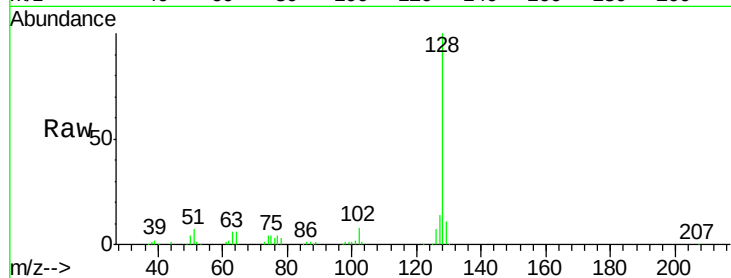




#95  
Naphthalene  
Concen: 17.171 ug/l  
RT: 13.74 min Scan# 3909  
Delta R.T. 0.00 min  
Lab File: VU029029.D  
Acq: 04 Jan 2019 15:52

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0105WBSD01

Tot Ion:128 Resp: 113359  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.1 15.1  
129 10.6 8.5 12.7



#96  
1,2,3-Trichlorobenzene  
Concen: 18.884 ug/l  
RT: 13.99 min Scan# 3985  
Delta R.T. 0.00 min  
Lab File: VU029029.D  
Acq: 04 Jan 2019 15:52

Tgt Ion:180 Resp: 36749  
Ion Ratio Lower Upper  
180 100  
182 92.7 48.1 144.3  
145 29.1 14.8 44.4

