

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU011219\  
 Data File : VU029145.D  
 Acq On : 11 Jan 2019 16:41  
 Operator : JC/SP  
 Sample : VU0112WBS01  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0112WBS01

Quant Time: Jan 11 23:43:56 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  | 169751   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.88  | 114  | 269299   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 253067   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 127494   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| System Monitoring Compounds |        |     |          |       |        |      |
| 33) 1,2-Dichloroethane-d4   | 5.31   | 65  | 101070   | 48.16 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.32% |      |
| 35) Dibromofluoromethane    | 4.88   | 113 | 85319    | 48.87 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.74% |      |
| 50) Toluene-d8              | 7.56   | 98  | 318323   | 46.19 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.38% |      |
| 62) 4-Bromofluorobenzene    | 10.31  | 95  | 109551   | 44.23 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 88.46% |      |

| Target Compounds              |      |     |        |        |      | Qvalue |
|-------------------------------|------|-----|--------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 1.21 | 85  | 32044  | 19.035 | ug/l | 99     |
| 3) Chloromethane              | 1.33 | 50  | 45309  | 16.393 | ug/l | 100    |
| 4) Vinyl Chloride             | 1.40 | 62  | 45654  | 18.403 | ug/l | 98     |
| 5) Bromomethane               | 1.62 | 94  | 25717  | 18.233 | ug/l | 99     |
| 6) Chloroethane               | 1.69 | 64  | 26713  | 18.078 | ug/l | 99     |
| 7) Trichlorofluoromethane     | 1.88 | 101 | 51437  | 19.028 | ug/l | 99     |
| 8) Diethyl Ether              | 2.10 | 74  | 24139  | 18.587 | ug/l | 91     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.28 | 101 | 34844  | 19.264 | ug/l | 96     |
| 10) Methyl Iodide             | 2.41 | 142 | 25546  | 15.021 | ug/l | 99     |
| 11) Tert butyl alcohol        | 2.83 | 59  | 46561  | 87.292 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 2.28 | 96  | 31512  | 17.899 | ug/l | 95     |
| 13) Acrolein                  | 2.19 | 56  | 34237  | 85.481 | ug/l | 98     |
| 14) Allyl chloride            | 2.59 | 41  | 57927  | 17.932 | ug/l | 93     |
| 15) Acrylonitrile             | 2.93 | 53  | 124534 | 95.166 | ug/l | 100    |
| 16) Acetone                   | 2.32 | 43  | 128622 | 97.298 | ug/l | 97     |
| 17) Carbon Disulfide          | 2.48 | 76  | 103381 | 17.369 | ug/l | 100    |
| 18) Methyl Acetate            | 2.61 | 43  | 61399  | 19.975 | ug/l | 100    |
| 19) Methyl tert-butyl Ether   | 3.00 | 73  | 114136 | 18.440 | ug/l | 97     |
| 20) Methylene Chloride        | 2.70 | 84  | 41548  | 18.511 | ug/l | 98     |
| 21) trans-1,2-Dichloroethene  | 2.98 | 96  | 37005  | 18.091 | ug/l | 97     |
| 22) Diisopropyl ether         | 3.57 | 45  | 124841 | 19.554 | ug/l | 95     |
| 23) Vinyl Acetate             | 3.52 | 43  | 493635 | 94.580 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 3.44 | 63  | 71490  | 19.398 | ug/l | 100    |
| 25) 2-Butanone                | 4.26 | 43  | 173646 | 97.255 | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 4.22 | 77  | 58618  | 19.684 | ug/l | 98     |
| 27) cis-1,2-Dichloroethene    | 4.22 | 96  | 40849  | 18.259 | ug/l | 97     |
| 28) Bromochloromethane        | 4.54 | 49  | 29695  | 18.817 | ug/l | 94     |
| 29) Tetrahydrofuran           | 4.64 | 42  | 103529 | 95.602 | ug/l | 97     |
| 30) Chloroform                | 4.67 | 83  | 68994  | 19.654 | ug/l | 99     |
| 31) Cyclohexane               | 4.99 | 56  | 66421  | 18.382 | ug/l | 97     |
| 32) 1,1,1-Trichloroethane     | 4.91 | 97  | 55657  | 19.188 | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 5.13 | 75  | 51157  | 19.005 | ug/l | 99     |
| 37) Ethyl Acetate             | 4.38 | 43  | 56287  | 19.050 | ug/l | 99     |
| 38) Carbon Tetrachloride      | 5.13 | 117 | 45557  | 20.292 | ug/l | 98     |

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 Sample : VU0112WBS01  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0112WBS01

Quant Time: Jan 11 23:43:56 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   | 59684    | 18.036  | ug/l   | 97       |
| 40) Benzene                    | 5.39  | 78   | 164376   | 19.577  | ug/l   | 100      |
| 41) Methacrylonitrile          | 4.54  | 41   | 30764    | 19.451  | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 5.40  | 62   | 52831    | 20.940  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 5.55  | 43   | 88585    | 19.545  | ug/l   | 98       |
| 44) Trichloroethene            | 6.19  | 130  | 38817    | 18.659  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 6.43  | 63   | 45306    | 20.433  | ug/l   | 98       |
| 46) Dibromomethane             | 6.56  | 93   | 28743    | 20.278  | ug/l   | 97       |
| 47) Bromodichloromethane       | 6.76  | 83   | 53678    | 20.568  | ug/l   | 99       |
| 48) Methyl methacrylate        | 6.62  | 41   | 43563    | 19.739  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 6.61  | 88   | 19894    | 380.373 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 7.46  | 43   | 305155   | 98.929  | ug/l   | 98       |
| 52) Toluene                    | 7.64  | 92   | 99499    | 19.466  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 7.88  | 75   | 60255    | 19.220  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 7.27  | 75   | 65900    | 19.454  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 8.07  | 97   | 42012    | 20.516  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 8.02  | 69   | 57389    | 18.191  | ug/l   | 95       |
| 57) 1,3-Dichloropropane        | 8.24  | 76   | 68396    | 19.520  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 7.13  | 63   | 109785   | 79.130  | ug/l   | 99       |
| 59) 2-Hexanone                 | 8.36  | 43   | 234571   | 96.879  | ug/l   | 97       |
| 60) Dibromochloromethane       | 8.48  | 129  | 39582    | 19.511  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 8.58  | 107  | 44367    | 19.977  | ug/l   | 95       |
| 64) Tetrachloroethene          | 8.22  | 164  | 34729    | 19.051  | ug/l   | 91       |
| 65) Chlorobenzene              | 9.12  | 112  | 106218   | 18.725  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 9.21  | 131  | 35960    | 19.534  | ug/l   | 98       |
| 67) Ethyl Benzene              | 9.25  | 91   | 175983   | 18.582  | ug/l   | 98       |
| 68) m/p-Xylenes                | 9.37  | 106  | 136794   | 37.174  | ug/l   | 100      |
| 69) o-Xylene                   | 9.78  | 106  | 66004    | 18.615  | ug/l   | 100      |
| 70) Styrene                    | 9.79  | 104  | 108687   | 18.699  | ug/l   | 99       |
| 71) Bromoform                  | 9.96  | 173  | 31273    | 19.079  | ug/l # | 99       |
| 73) Isopropylbenzene           | 10.16 | 105  | 174307   | 18.471  | ug/l   | 100      |
| 74) N-amyl acetate             | 10.01 | 43   | 73449    | 18.062  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 10.45 | 83   | 70355    | 18.602  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 10.49 | 75   | 77065    | 24.670  | ug/l   | 82       |
| 77) Bromobenzene               | 10.45 | 156  | 45234    | 18.394  | ug/l   | 98       |
| 78) n-propylbenzene            | 10.58 | 91   | 209377   | 18.827  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 10.66 | 91   | 125241   | 18.565  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 10.77 | 105  | 147966   | 18.776  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-buten | 10.49 | 75   | 77065    | 63.626  | ug/l # | 100      |
| 82) 4-Chlorotoluene            | 10.77 | 91   | 142369   | 18.404  | ug/l   | 97       |
| 83) tert-Butylbenzene          | 11.10 | 119  | 138413   | 17.820  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.15 | 105  | 147052   | 18.690  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 11.32 | 105  | 176083   | 18.745  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 11.48 | 119  | 148555   | 18.559  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 11.41 | 146  | 83286    | 18.464  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 11.50 | 146  | 82305    | 17.677  | ug/l   | 97       |
| 89) n-Butylbenzene             | 11.89 | 91   | 135817   | 19.011  | ug/l   | 99       |
| 90) Hexachloroethane           | 12.14 | 117  | 24803    | 18.419  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene        | 11.88 | 146  | 80903    | 17.807  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.66 | 75   | 13380    | 18.393  | ug/l   | 96       |

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Operator : JC/SP  
Sample : VU0112WBS01  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 4 Sample Multiplier: 1

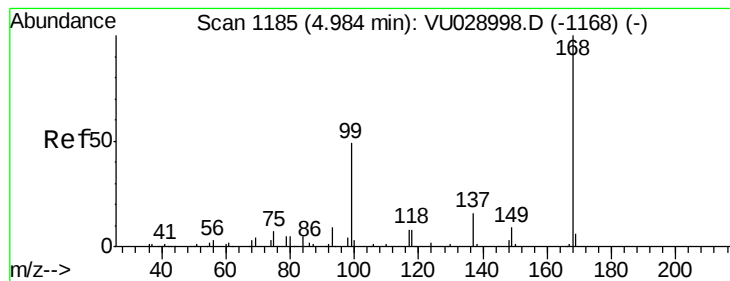
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0112WBS01

Quant Time: Jan 11 23:43:56 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) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.50 | 180  | 50408    | 17.381 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 13.69 | 225  | 27472    | 20.709 | ug/l  | 98       |
| 95) Naphthalene            | 13.74 | 128  | 153129   | 15.521 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 13.99 | 180  | 51143    | 17.639 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Instrument :

MSVOA\_U

ClientSampleId :

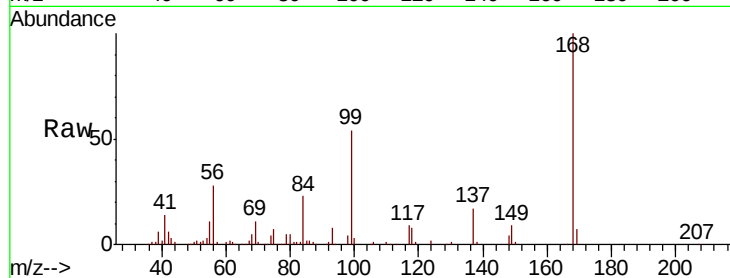
VU0112WBS01

Tgt Ion:168 Resp: 169751

Ion Ratio Lower Upper

168 100

99 53.8 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

80000

60000

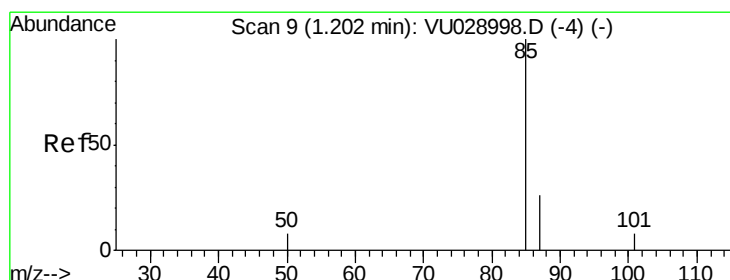
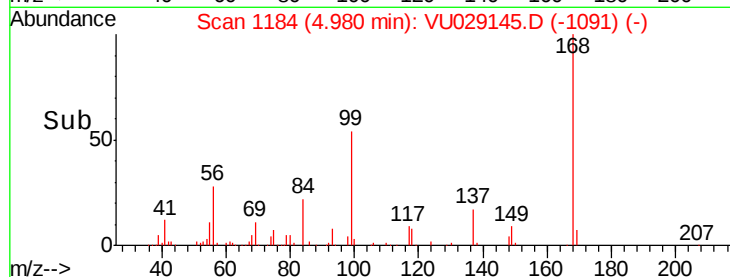
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.035 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029145.D

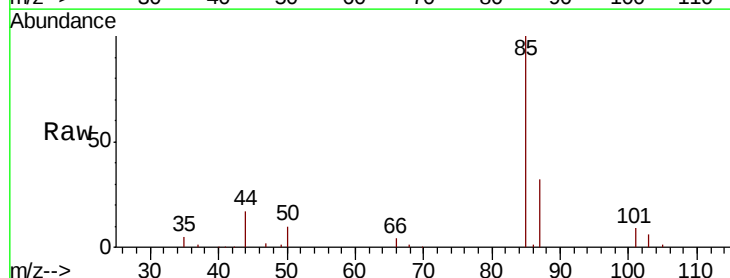
Acq: 11 Jan 2019 16:41

Tgt Ion: 85 Resp: 32044

Ion Ratio Lower Upper

85 100

87 31.9 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

40000

30000

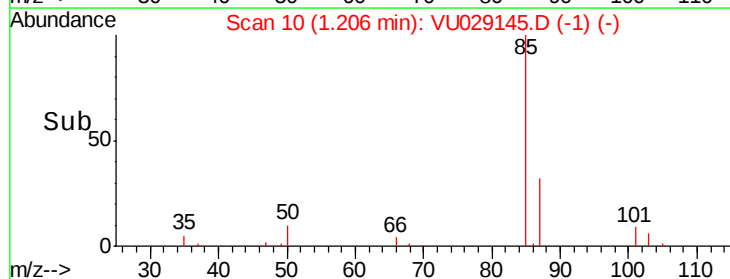
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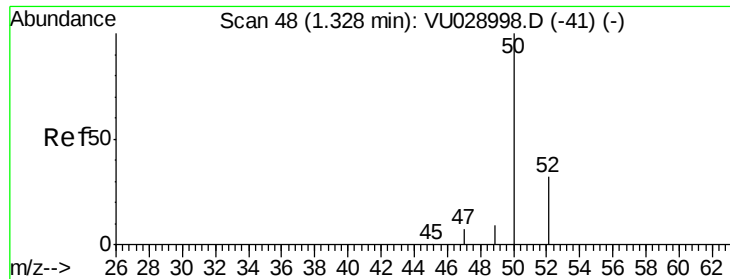
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0

1.20 1.25

Time-->





#3

Chloromethane

Concen: 16.393 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Instrument :

MSVOA\_U

ClientSampleId :

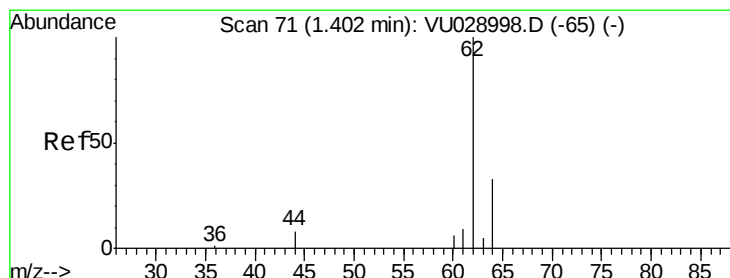
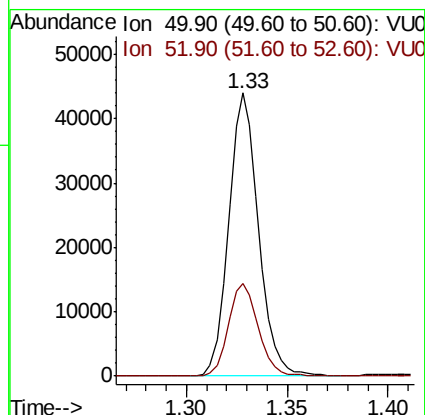
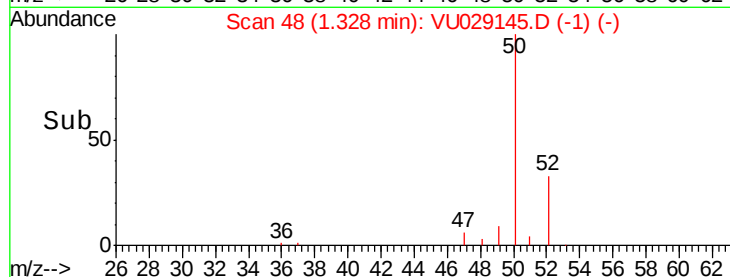
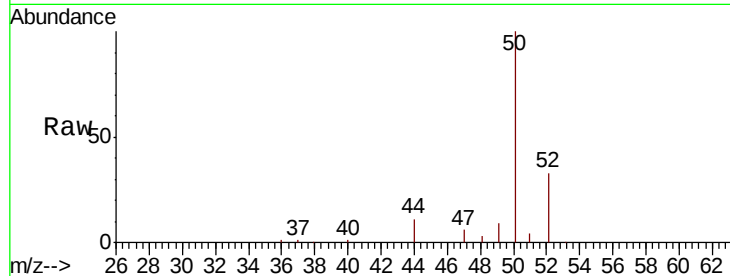
VU0112WBS01

Tgt Ion: 50 Resp: 45309

Ion Ratio Lower Upper

50 100

52 32.7 26.1 39.1



#4

Vinyl Chloride

Concen: 18.403 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029145.D

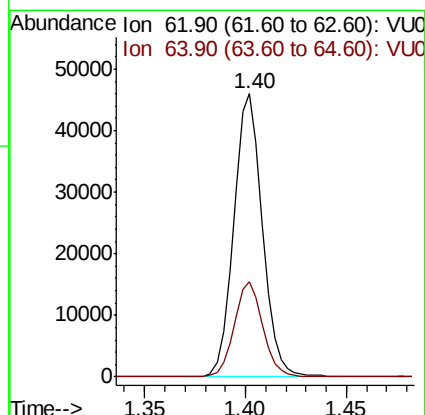
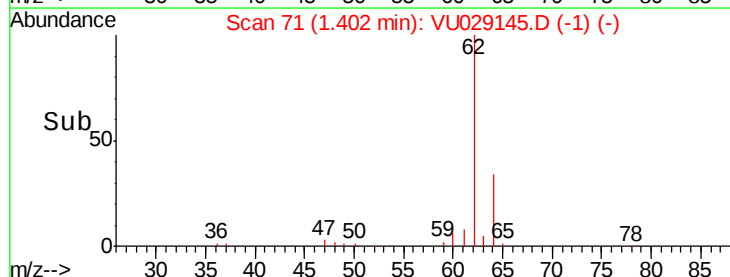
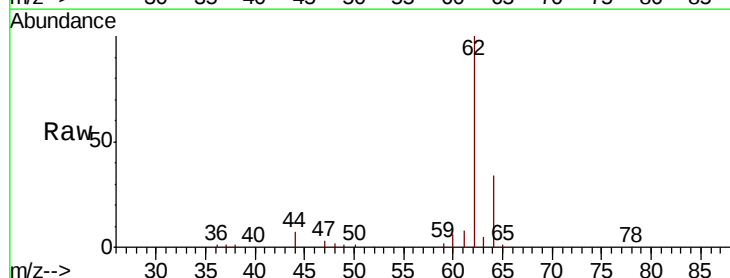
Acq: 11 Jan 2019 16:41

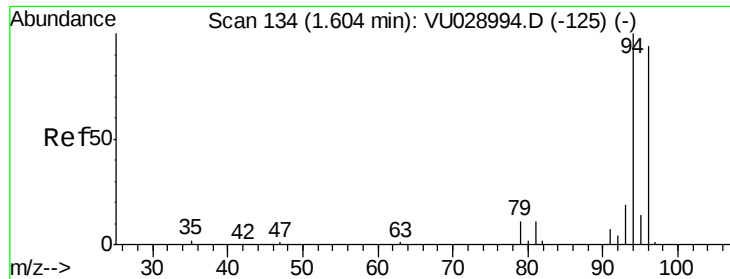
Tgt Ion: 62 Resp: 45654

Ion Ratio Lower Upper

62 100

64 33.6 25.9 38.9

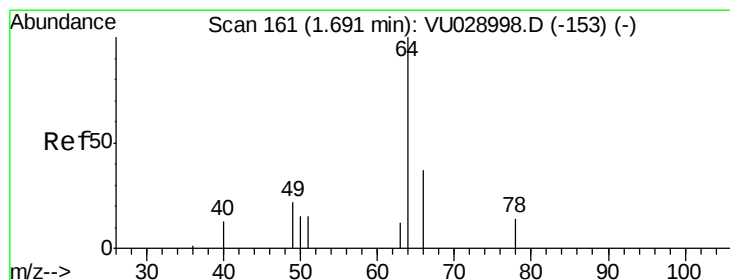
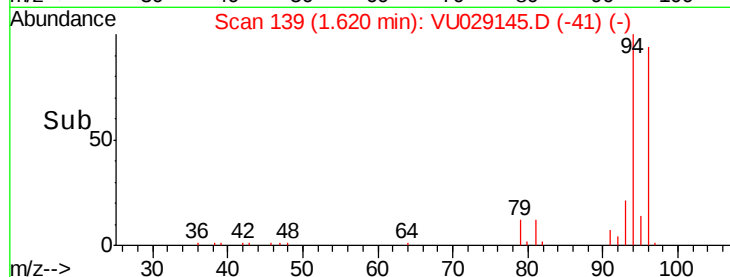
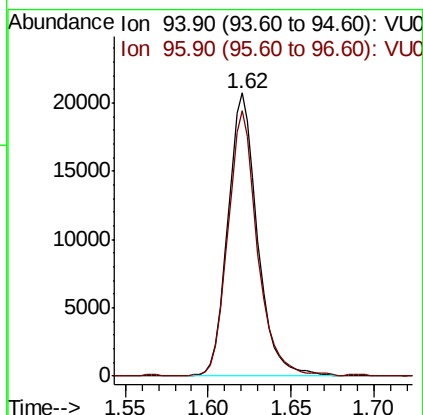
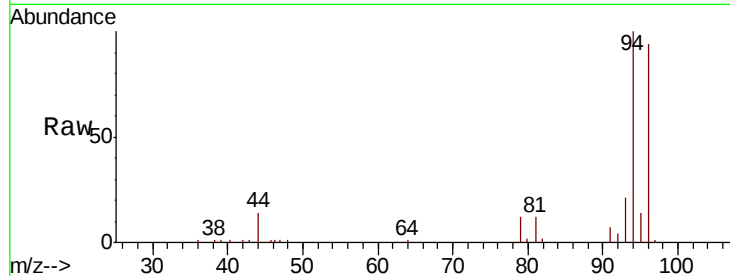




#5  
 Bromomethane  
 Concen: 18.233 ug/l  
 RT: 1.62 min Scan# 139  
 Delta R.T. 0.02 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

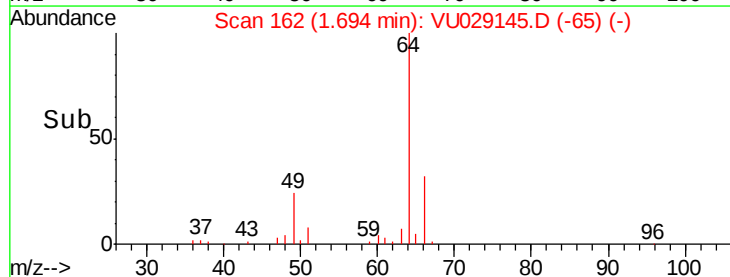
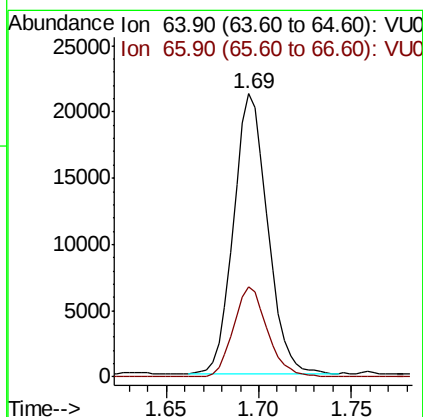
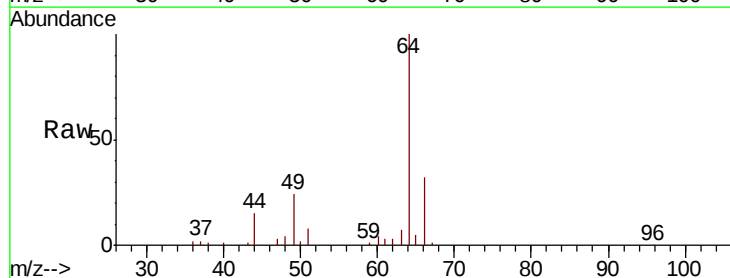
Instrument :  
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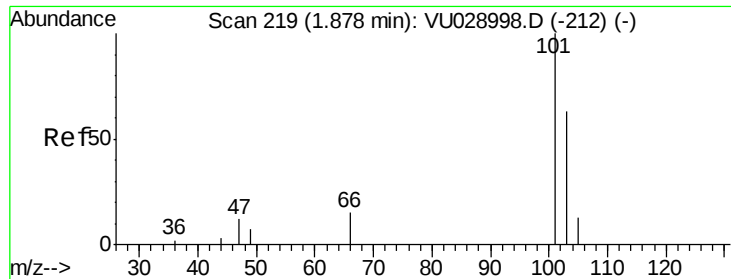
Tgt Ion: 94 Resp: 25717  
 Ion Ratio Lower Upper  
 94 100  
 96 93.7 75.5 113.3



#6  
 Chloroethane  
 Concen: 18.078 ug/l  
 RT: 1.69 min Scan# 162  
 Delta R.T. 0.01 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

Tgt Ion: 64 Resp: 26713  
 Ion Ratio Lower Upper  
 64 100  
 66 32.0 25.2 37.8



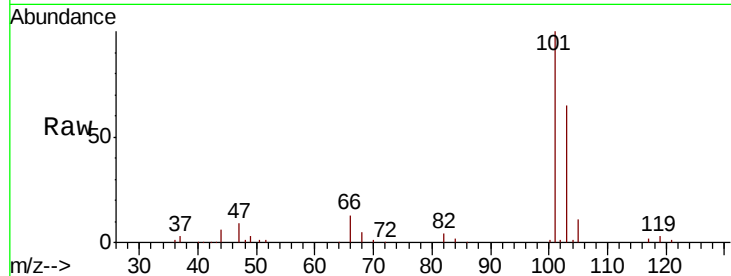


#7

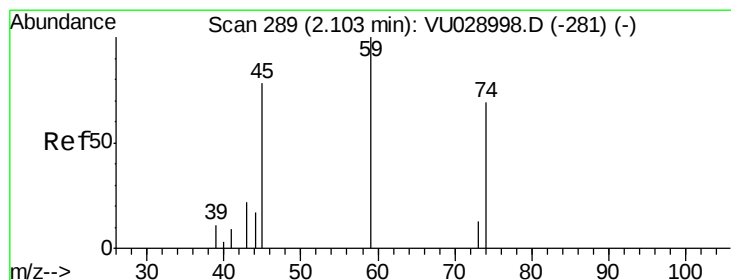
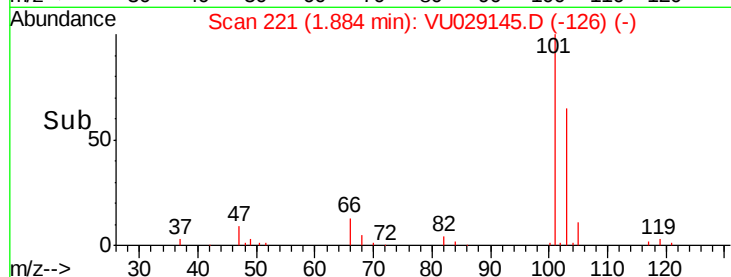
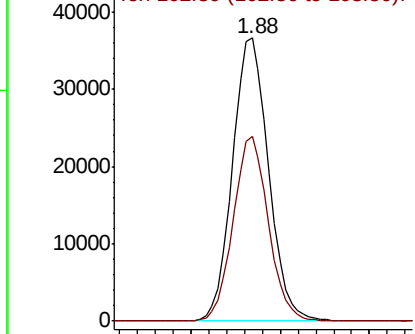
Trichlorofluoromethane  
 Concen: 19.028 ug/l  
 RT: 1.88 min Scan# 221  
 Delta R.T. 0.01 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0112WBS01

Tgt Ion: 101 Resp: 51437  
 Ion Ratio Lower Upper  
 101 100  
 103 65.1 51.5 77.3



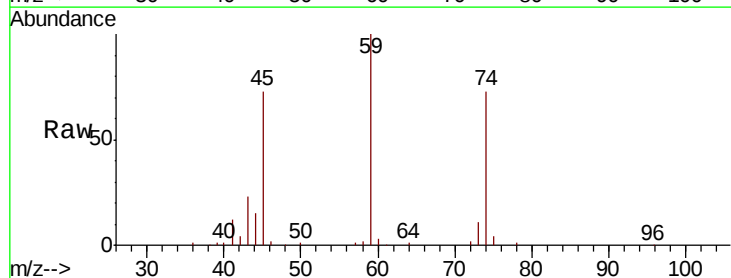
Abundance Ion 100.90 (100.60 to 101.60): V  
 Ion 102.80 (102.50 to 103.50): V



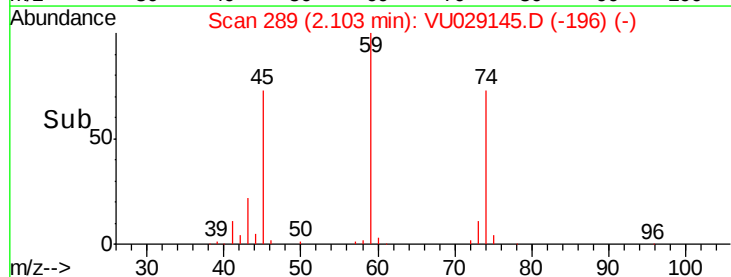
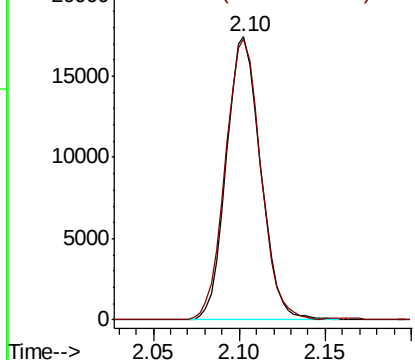
#8

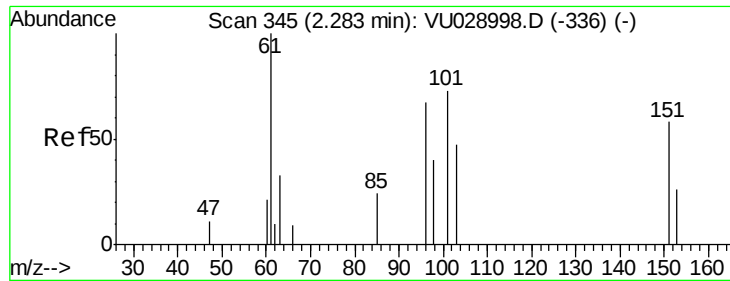
Diethyl Ether  
 Concen: 18.587 ug/l  
 RT: 2.10 min Scan# 289  
 Delta R.T. 0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

Tgt Ion: 74 Resp: 24139  
 Ion Ratio Lower Upper  
 74 100  
 45 102.4 46.9 140.6



Abundance Ion 74.00 (73.70 to 74.70): VU0  
 Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.264 ug/l

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Instrument :

MSVOA\_U

ClientSampleId :

VU0112WBS01

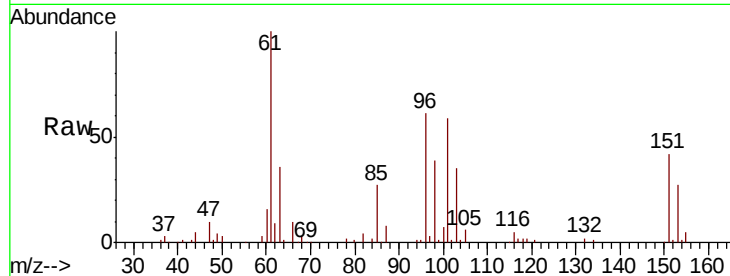
Tgt Ion:101 Resp: 34844

Ion Ratio Lower Upper

101 100

85 43.0 35.1 52.7

151 70.3 60.2 90.2

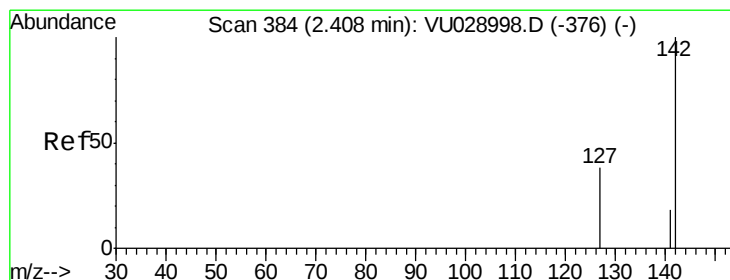
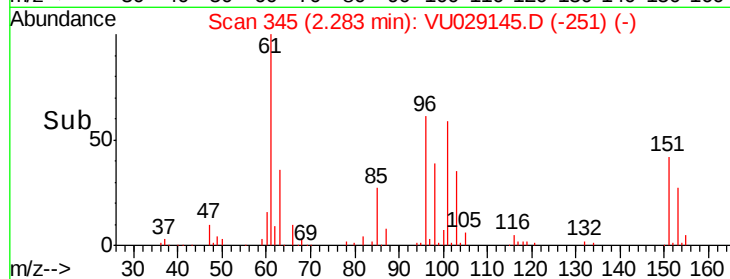
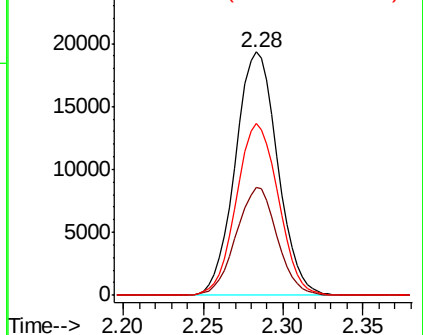


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.021 ug/l

RT: 2.41 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

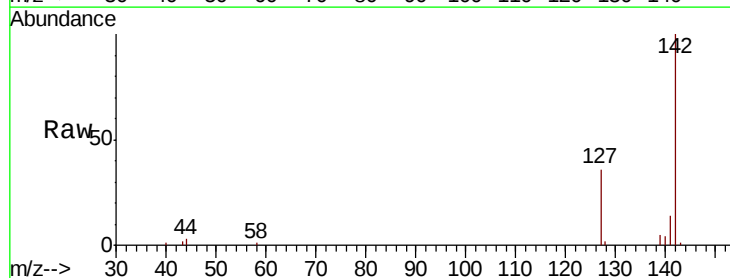
Tgt Ion:142 Resp: 25546

Ion Ratio Lower Upper

142 100

127 37.4 29.8 44.6

141 13.4 11.5 17.3

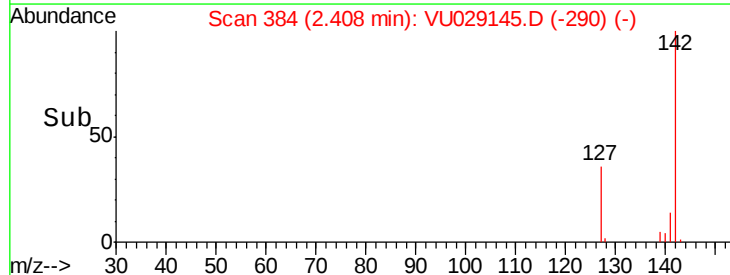
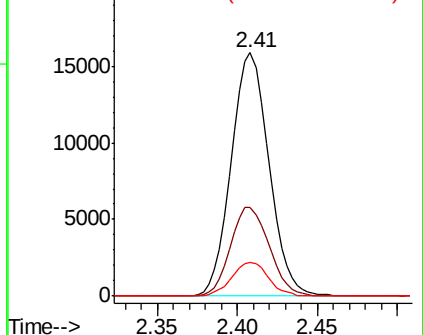


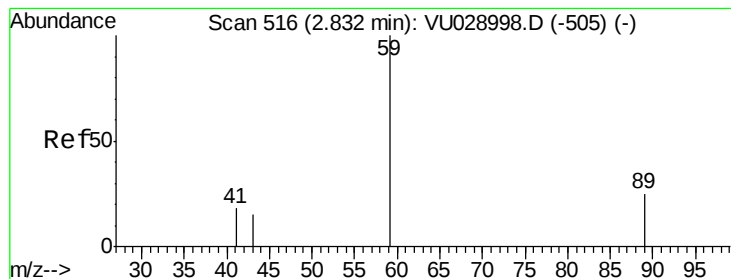
Abundance

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



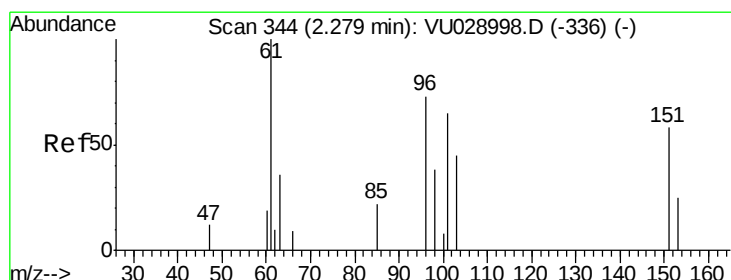
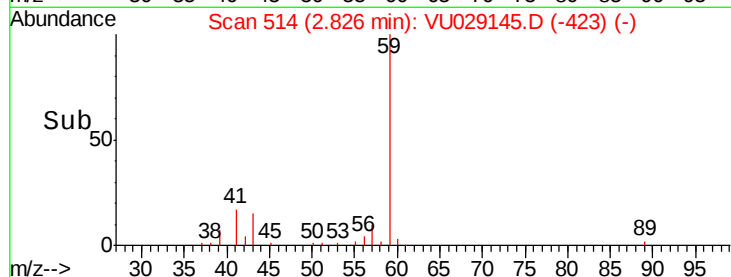
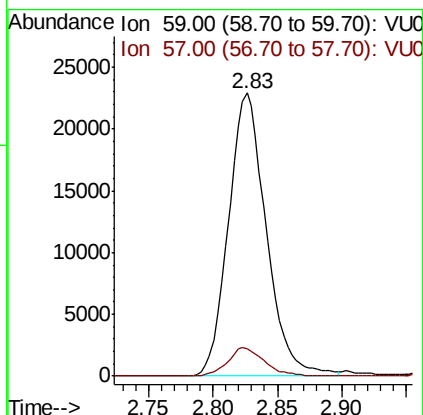
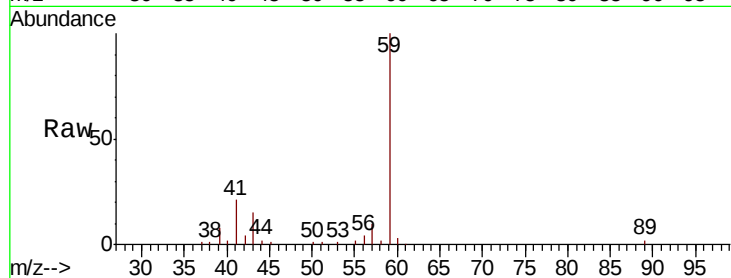


#11

Tert butyl alcohol  
Concen: 87.292 ug/l  
RT: 2.83 min Scan# 514  
Delta R.T. -0.01 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0112WBS01

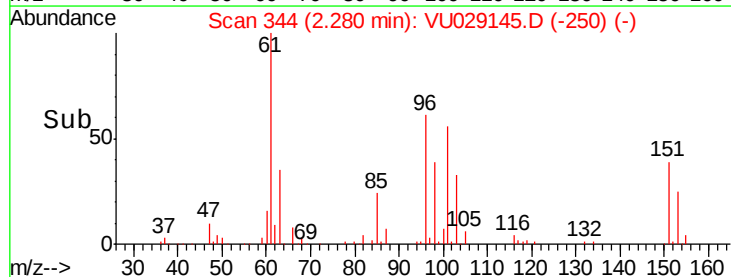
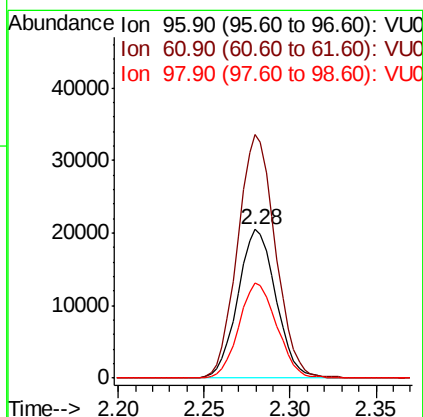
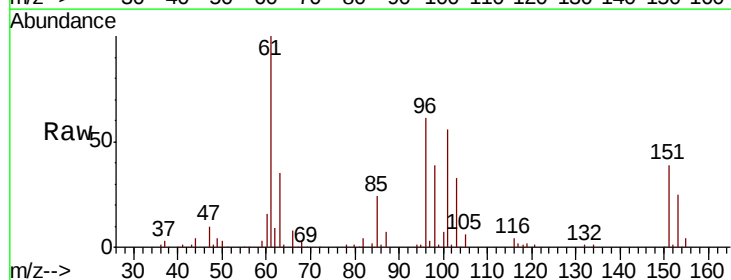
Tgt Ion: 59 Resp: 46561  
Ion Ratio Lower Upper  
59 100  
57 9.7 7.9 11.9

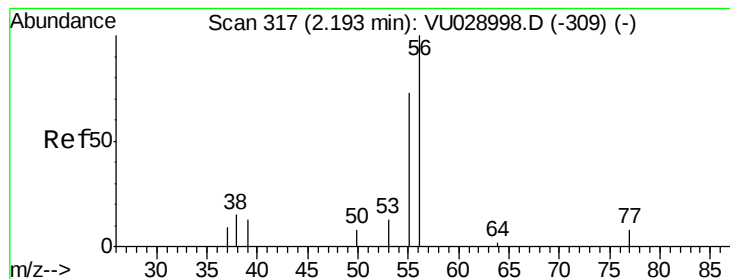


#12

1,1-Dichloroethene  
Concen: 17.899 ug/l  
RT: 2.28 min Scan# 344  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

Tgt Ion: 96 Resp: 31512  
Ion Ratio Lower Upper  
96 100  
61 164.0 125.4 188.0  
98 63.8 49.7 74.5





#13

Acrolein

Concen: 85.481 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Instrument :

MSVOA\_U

ClientSampleId :

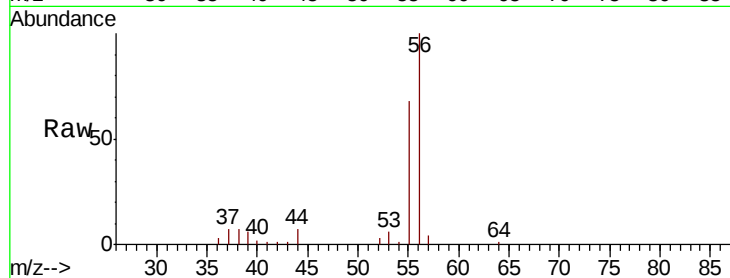
VU0112WBS01

Tgt Ion: 56 Resp: 34237

Ion Ratio Lower Upper

56 100

55 68.9 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

25000

20000

15000

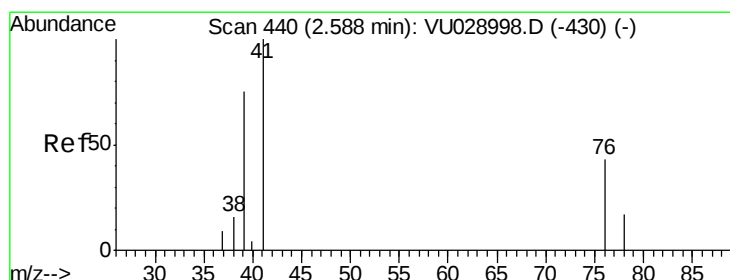
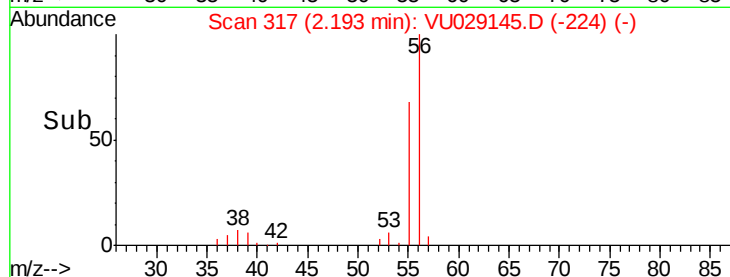
10000

5000

0

Time-->

2.15 2.20 2.25



#14

Allyl chloride

Concen: 17.932 ug/l

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

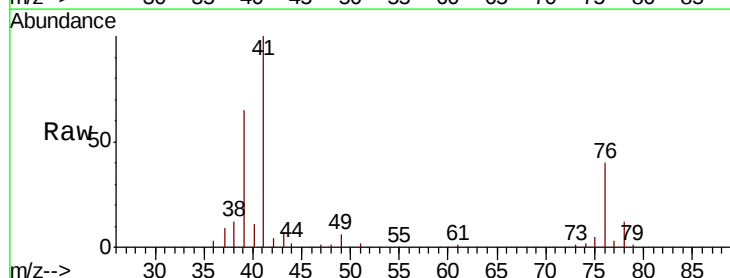
Tgt Ion: 41 Resp: 57927

Ion Ratio Lower Upper

41 100

39 62.8 45.0 67.6

76 37.5 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

40000

30000

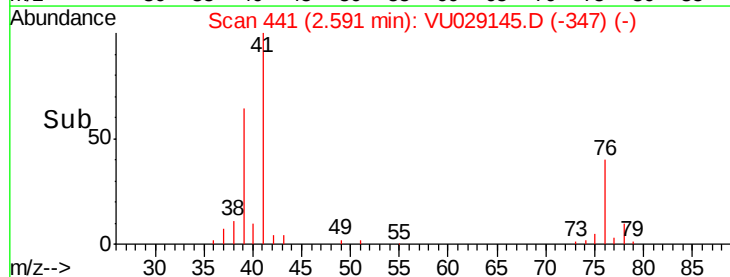
20000

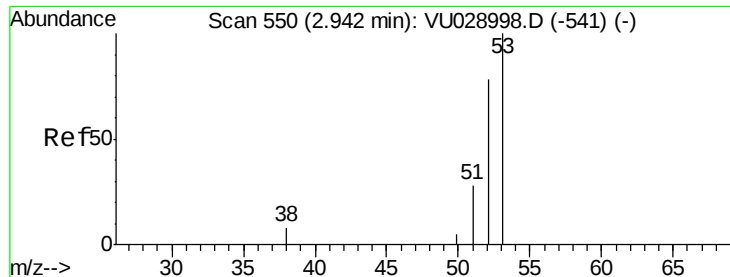
10000

0

Time-->

2.55 2.60 2.65 2.70





#15

Acrylonitrile

Concen: 95.166 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Instrument :

MSVOA\_U

ClientSampleId :

VU0112WBS01

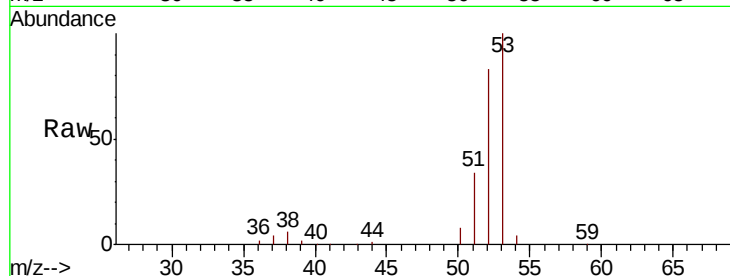
Tgt Ion: 53 Resp: 124534

Ion Ratio Lower Upper

53 100

52 81.1 64.8 97.2

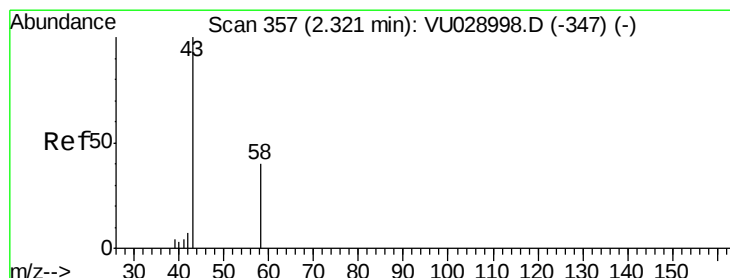
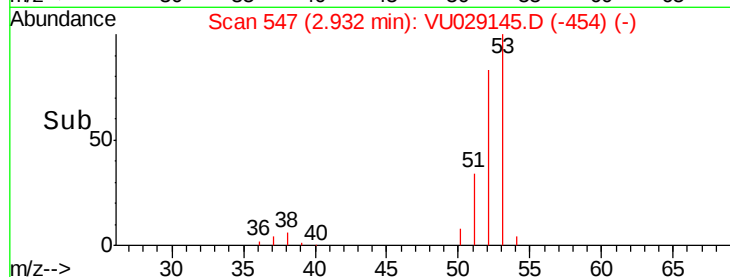
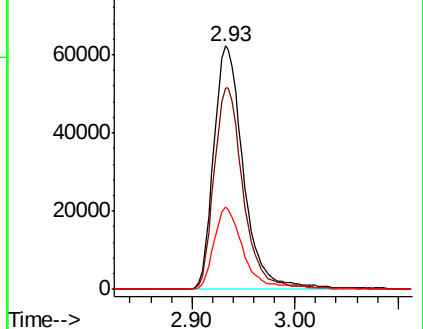
51 33.8 27.3 40.9



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 97.298 ug/l

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

Lab File: VU029145.D

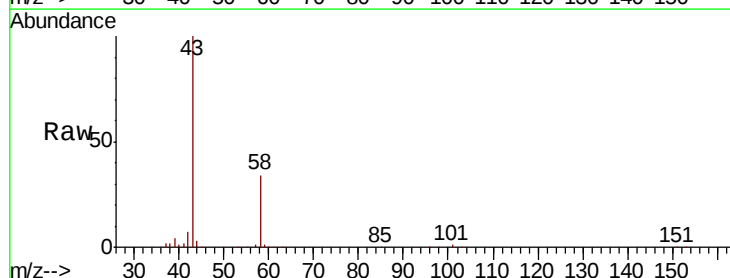
Acq: 11 Jan 2019 16:41

Tgt Ion: 43 Resp: 128622

Ion Ratio Lower Upper

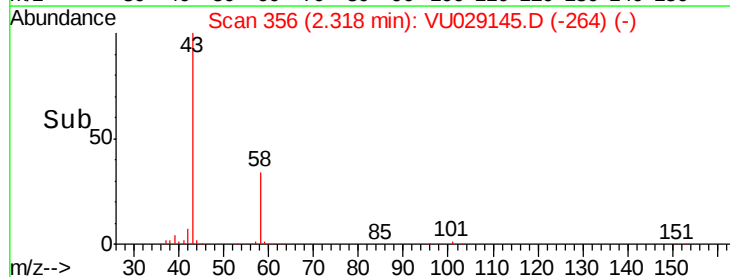
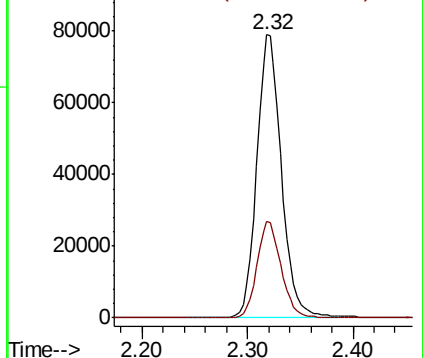
43 100

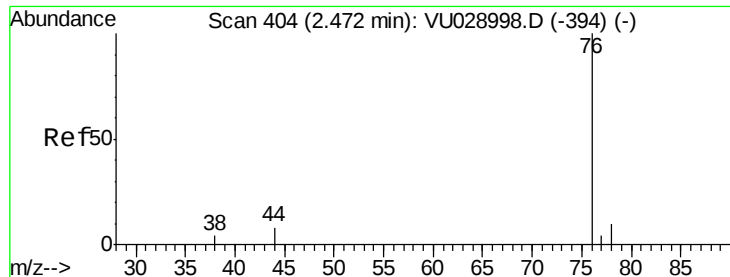
58 34.1 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: 17.369 ug/l

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Instrument :

MSVOA\_U

ClientSampleId :

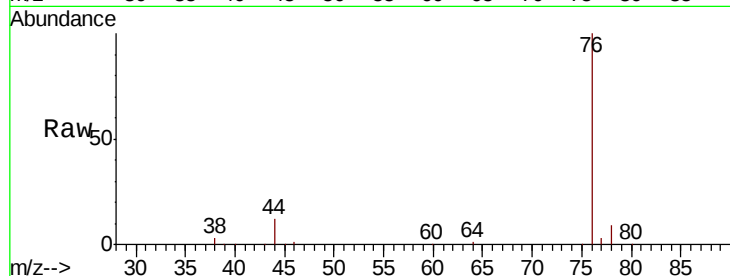
VU0112WBS01

Tgt Ion: 76 Resp: 103381

Ion Ratio Lower Upper

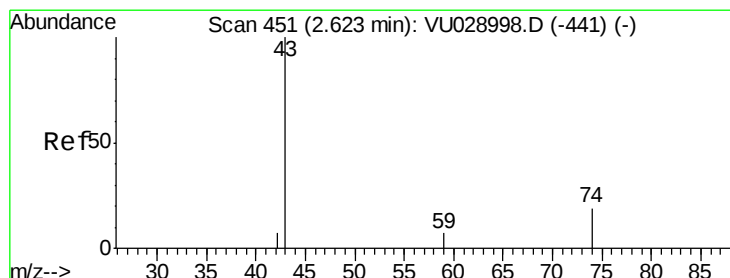
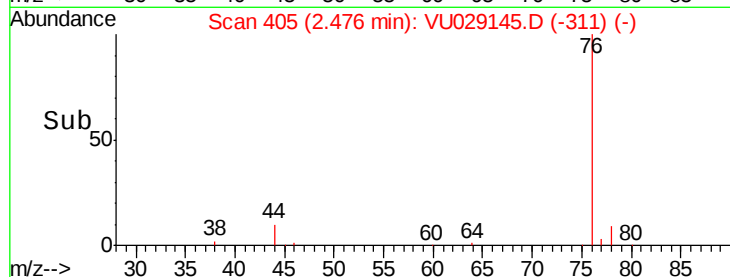
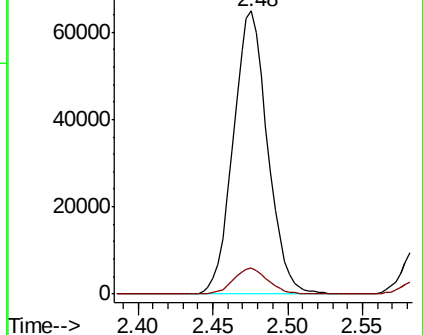
76 100

78 9.1 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VU028998.D (-394) (-)

Ion 77.90 (77.60 to 78.60): VU029145.D (-311) (-)



#18

Methyl Acetate

Concen: 19.975 ug/l

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU029145.D

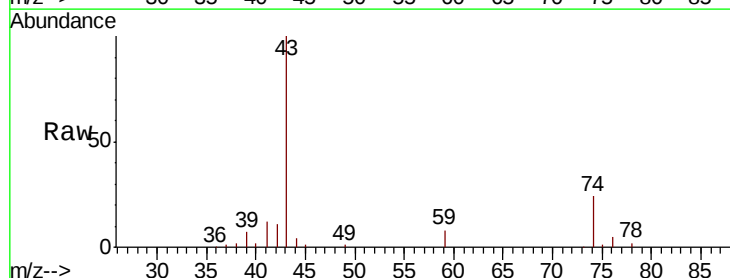
Acq: 11 Jan 2019 16:41

Tgt Ion: 43 Resp: 61399

Ion Ratio Lower Upper

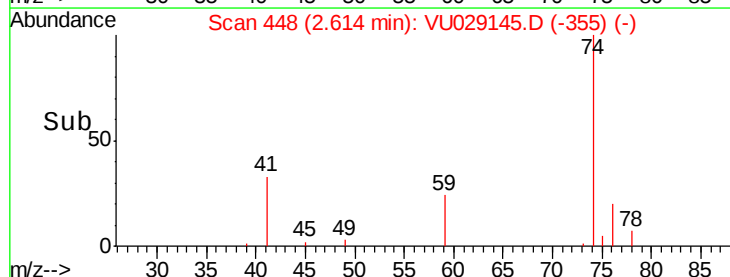
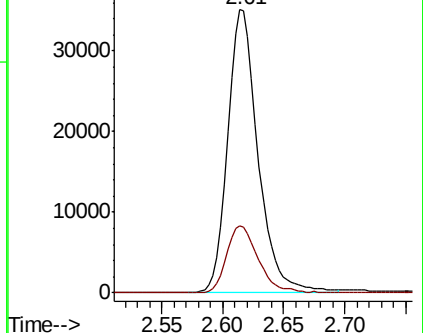
43 100

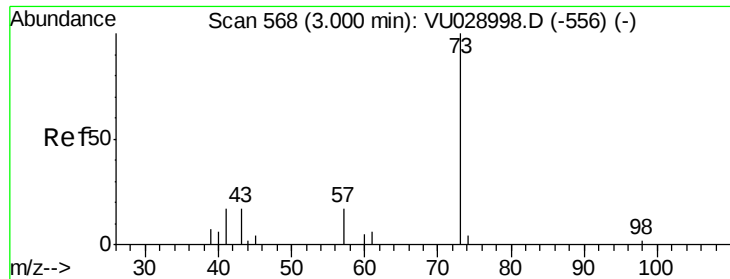
74 24.5 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VU028998.D (-441) (-)

Ion 74.00 (73.70 to 74.70): VU029145.D (-355) (-)

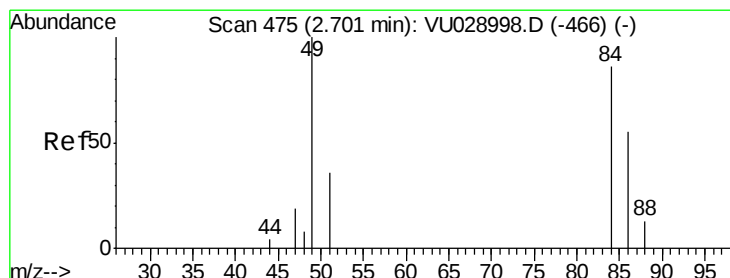
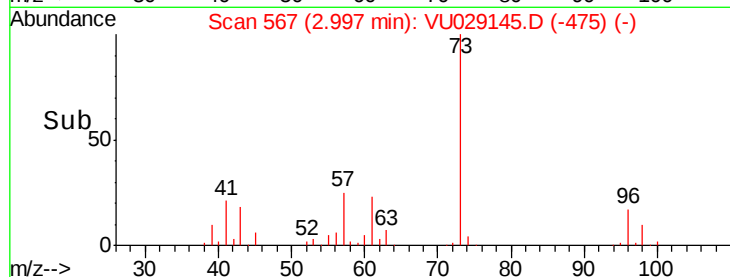
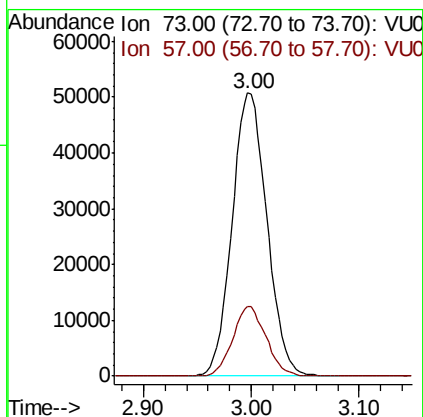
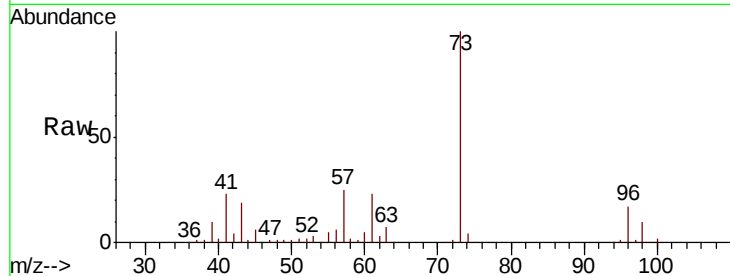




#19  
Methyl tert-butyl Ether  
Concen: 18.440 ug/l  
RT: 3.00 min Scan# 567  
Delta R.T. -0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

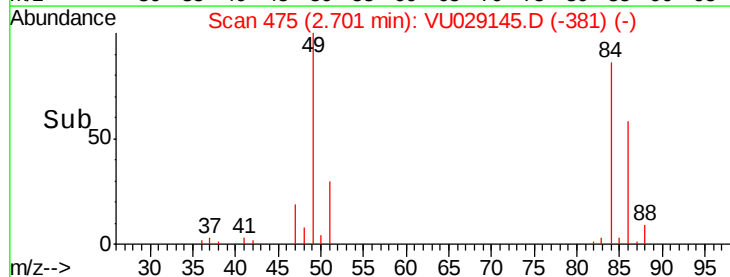
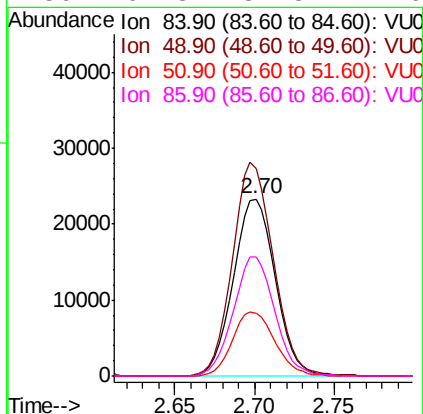
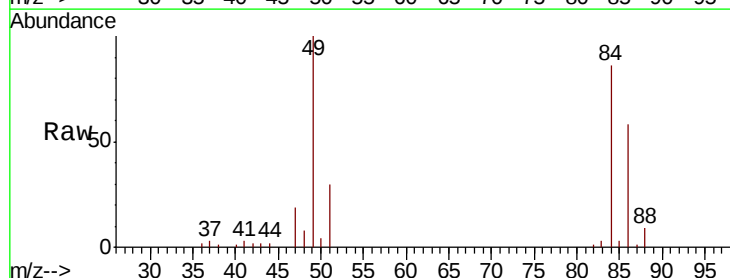
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0112WBS01

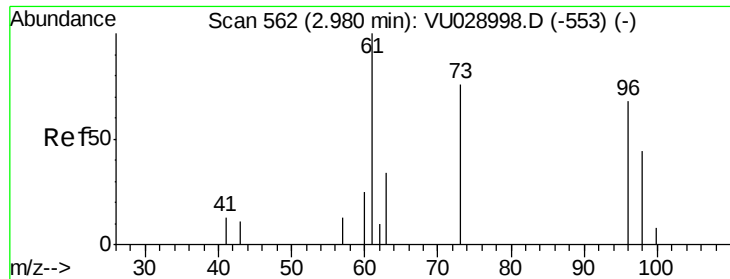
Tgt Ion: 73 Resp: 114136  
Ion Ratio Lower Upper  
73 100  
57 24.7 18.6 28.0



#20  
Methylene Chloride  
Concen: 18.511 ug/l  
RT: 2.70 min Scan# 475  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

Tgt Ion: 84 Resp: 41548  
Ion Ratio Lower Upper  
84 100  
49 116.9 91.9 137.9  
51 35.5 29.2 43.8  
86 67.3 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 18.091 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Instrument :

MSVOA\_U

ClientSampleId :

VU0112WBS01

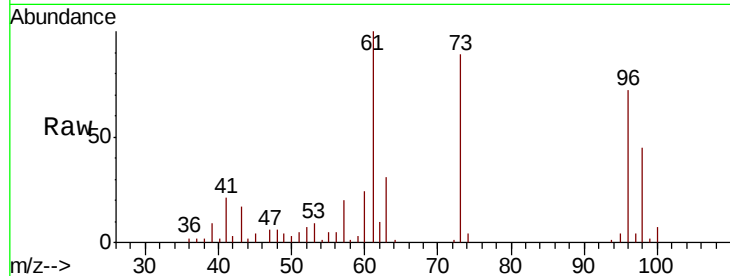
Tgt Ion: 96 Resp: 37005

Ion Ratio Lower Upper

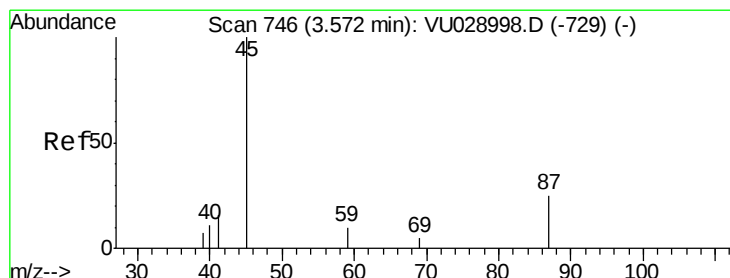
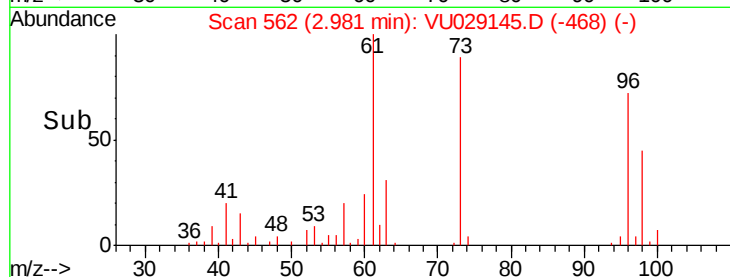
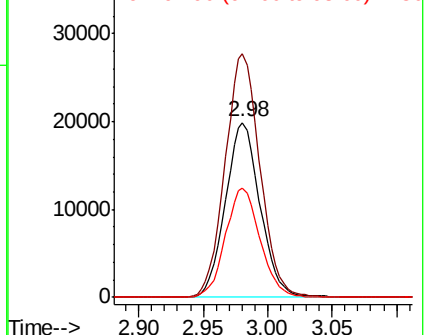
96 100

61 139.2 107.7 161.5

98 62.6 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: 19.554 ug/l

RT: 3.57 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Tgt Ion: 45 Resp: 124841

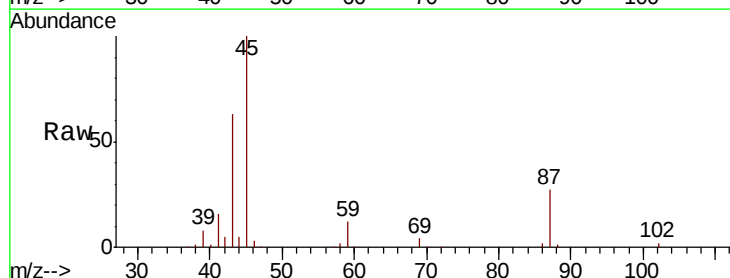
Ion Ratio Lower Upper

45 100

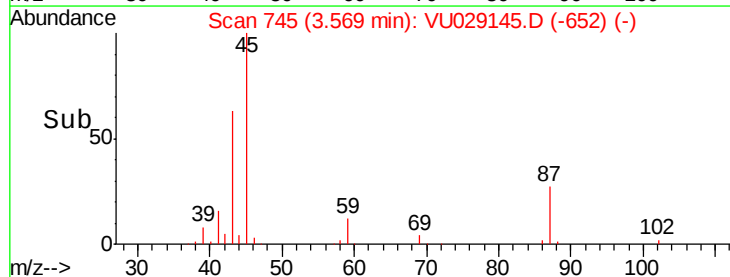
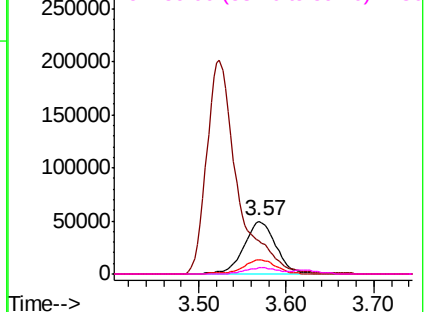
43 61.3 44.7 67.1

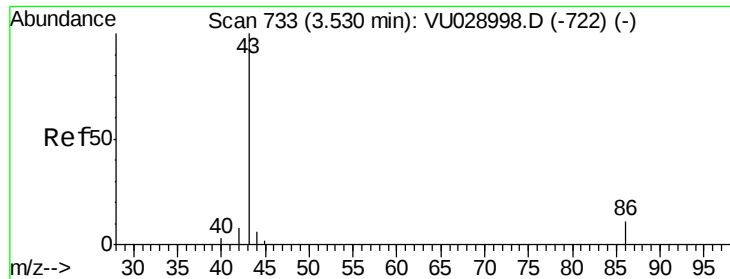
87 27.4 22.2 33.2

59 11.7 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

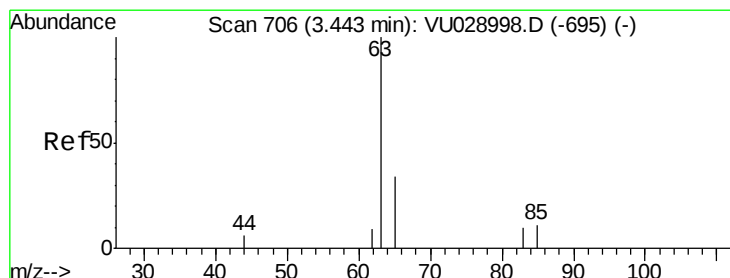
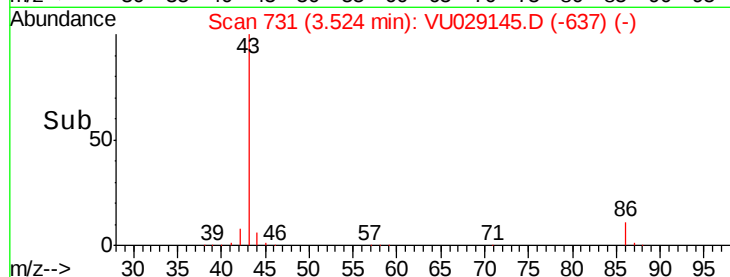
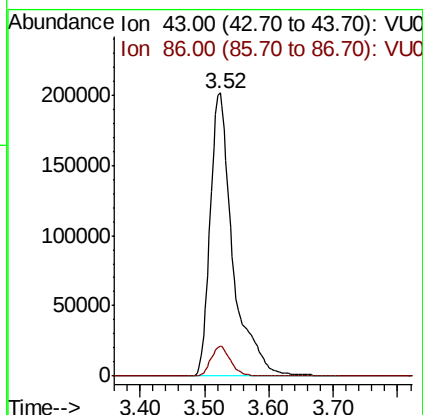
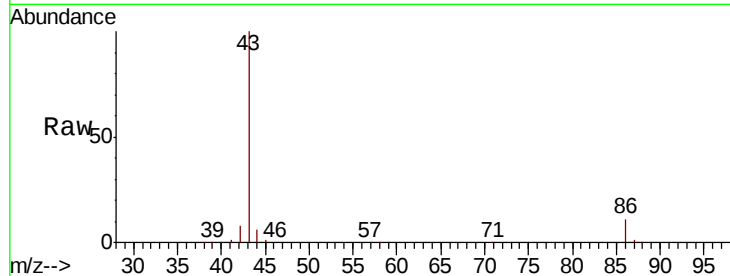




#23  
 Vinyl Acetate  
 Concen: 94.580 ug/l  
 RT: 3.52 min Scan# 731  
 Delta R.T. 0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

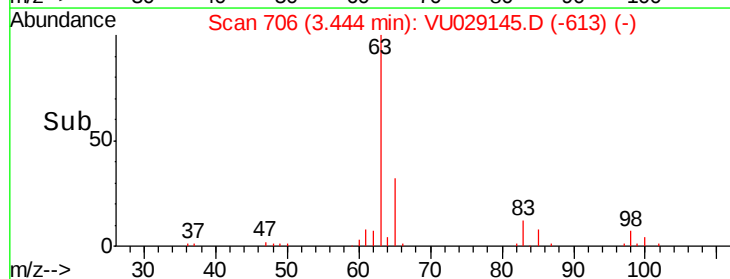
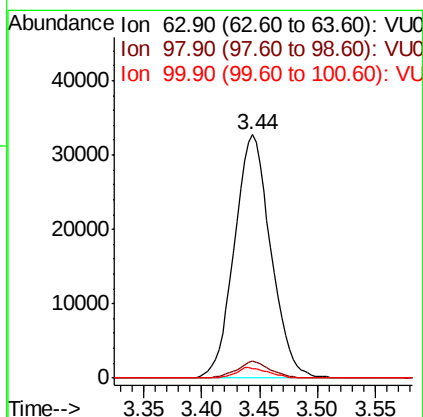
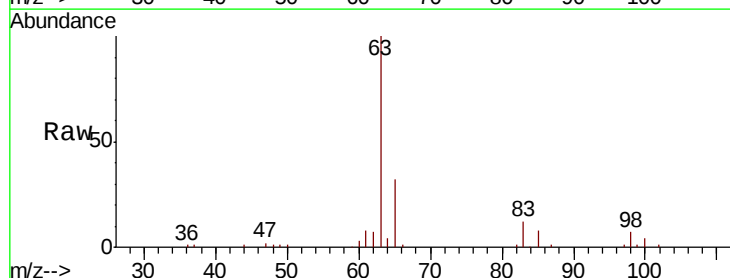
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0112WBS01

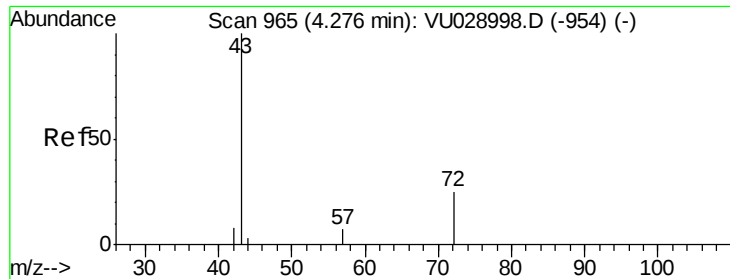
Tgt Ion: 43 Resp: 493635  
 Ion Ratio Lower Upper  
 43 100  
 86 10.8 8.6 13.0



#24  
 1,1-Dichloroethane  
 Concen: 19.398 ug/l  
 RT: 3.44 min Scan# 706  
 Delta R.T. 0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

Tgt Ion: 63 Resp: 71490  
 Ion Ratio Lower Upper  
 63 100  
 98 6.8 3.4 10.1  
 100 4.1 2.0 5.8





#25

2-Butanone

Concen: 97.255 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Instrument :

MSVOA\_U

ClientSampleId :

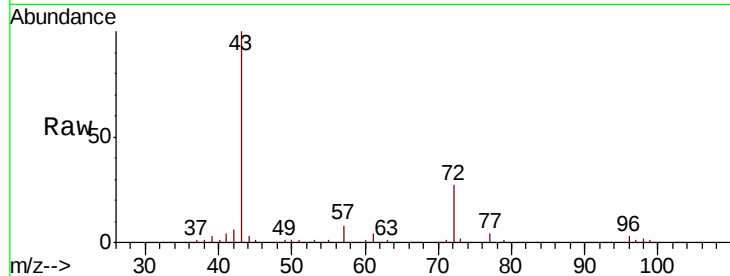
VU0112WBS01

Tgt Ion: 43 Resp: 173646

Ion Ratio Lower Upper

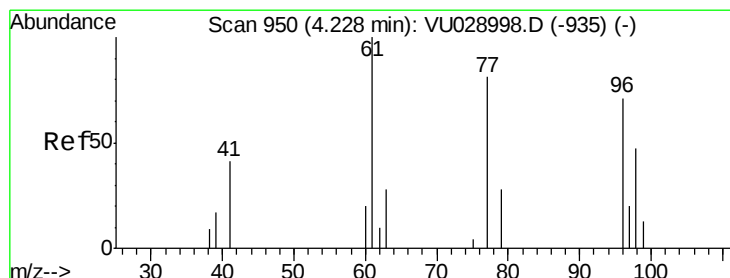
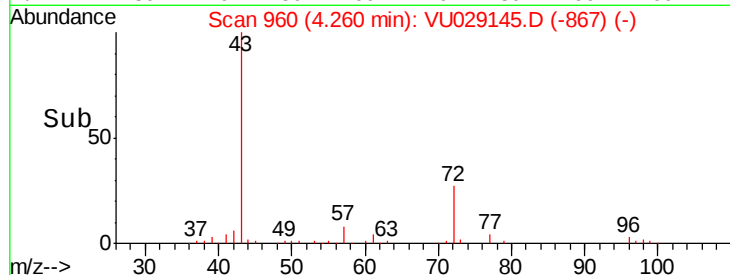
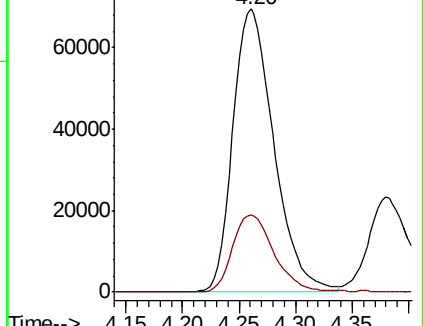
43 100

72 27.1 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VU028998.D (-954) (-)

Ion 72.00 (71.70 to 72.70): VU028998.D (-954) (-)



#26

2,2-Dichloropropane

Concen: 19.684 ug/l

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU029145.D

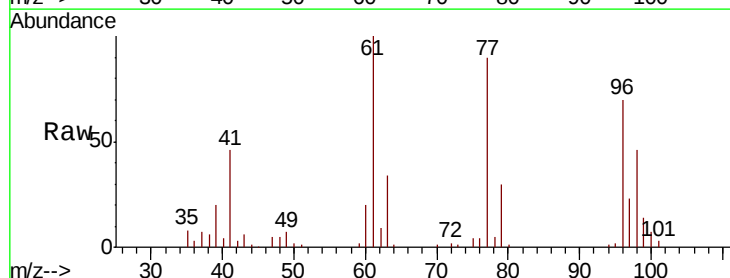
Acq: 11 Jan 2019 16:41

Tgt Ion: 77 Resp: 58618

Ion Ratio Lower Upper

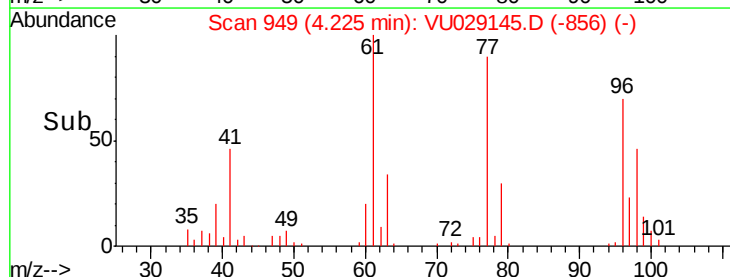
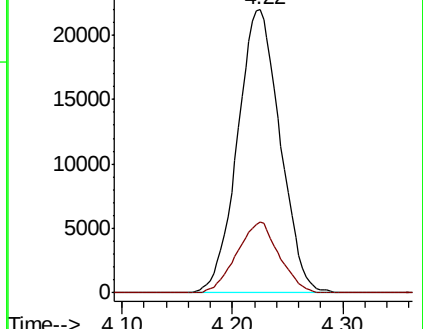
77 100

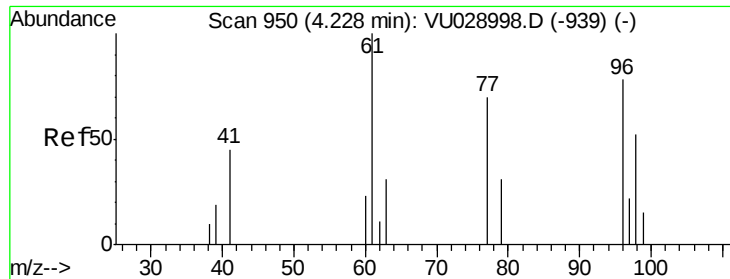
97 24.9 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VU028998.D (-935) (-)

Ion 96.90 (96.60 to 97.60): VU028998.D (-935) (-)



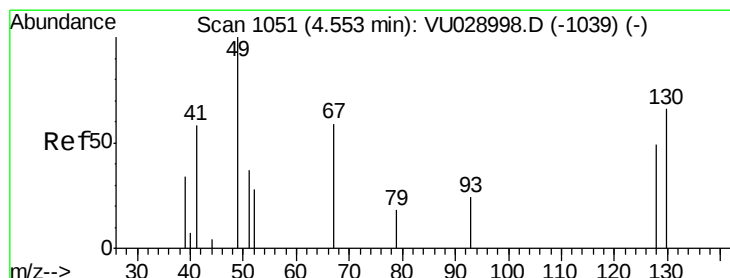
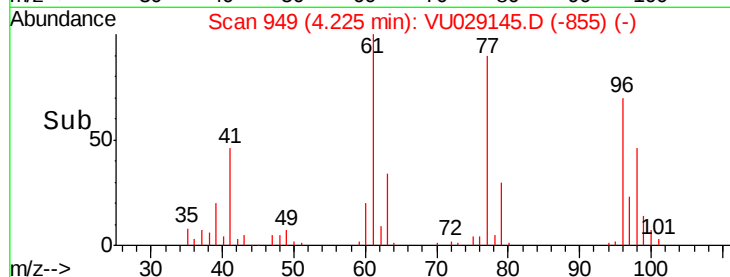
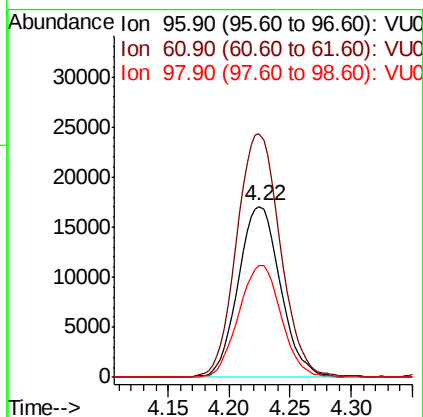
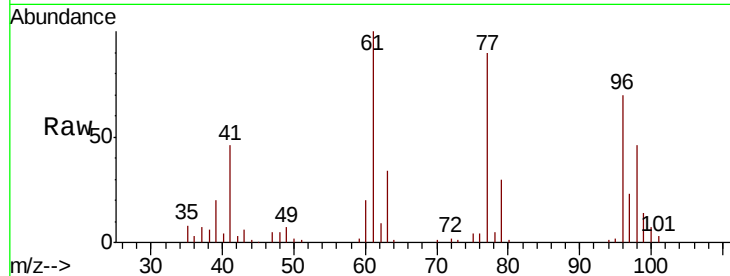


#27

cis-1,2-Dichloroethene  
Concen: 18.259 ug/l  
RT: 4.22 min Scan# 949  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0112WBS01

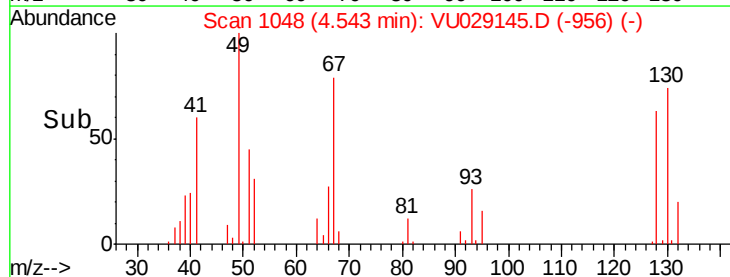
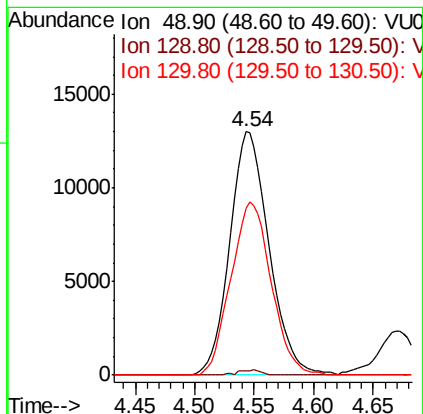
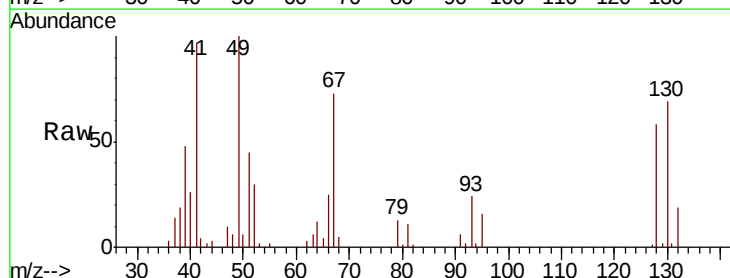
Tgt Ion: 96 Resp: 40849  
Ion Ratio Lower Upper  
96 100  
61 147.7 0.0 285.6  
98 66.1 0.0 130.2

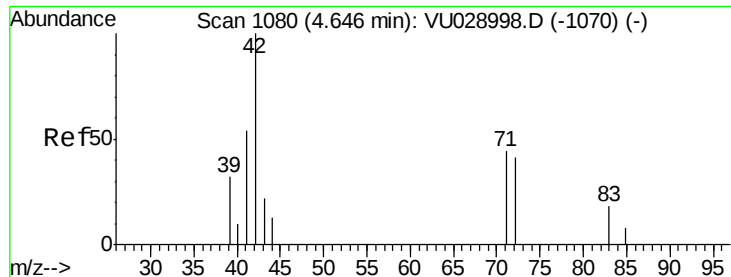


#28

Bromochloromethane  
Concen: 18.817 ug/l  
RT: 4.54 min Scan# 1048  
Delta R.T. -0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

Tgt Ion: 49 Resp: 29695  
Ion Ratio Lower Upper  
49 100  
129 1.3 0.0 3.4  
130 72.8 62.9 94.3

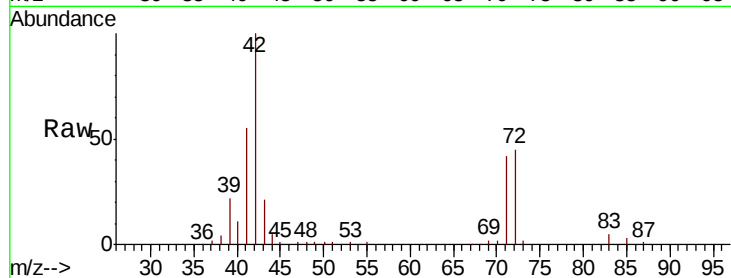




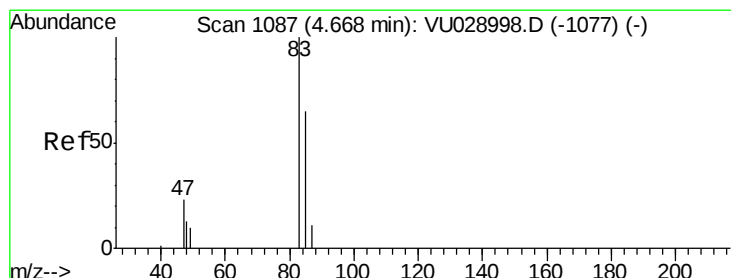
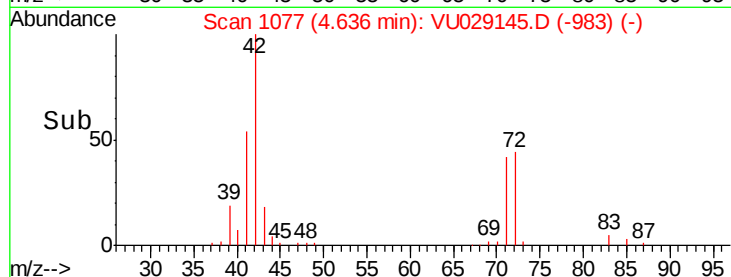
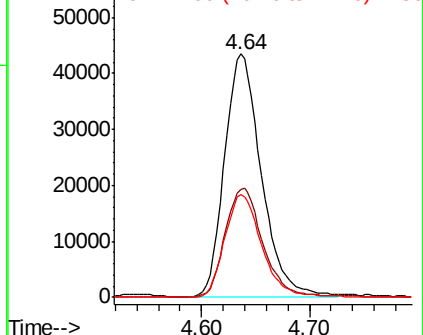
#29  
Tetrahydrofuran  
Concen: 95.602 ug/l  
RT: 4.64 min Scan# 1077  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0112WBS01

Tgt Ion: 42 Resp: 103529  
Ion Ratio Lower Upper  
42 100  
72 46.0 38.3 57.5  
71 42.5 36.1 54.1

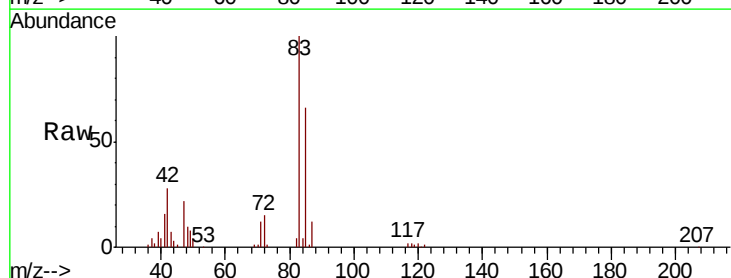


Abundance Ion 42.00 (41.70 to 42.70): VU0  
Ion 72.00 (71.70 to 72.70): VU0  
Ion 71.00 (70.70 to 71.70): VU0

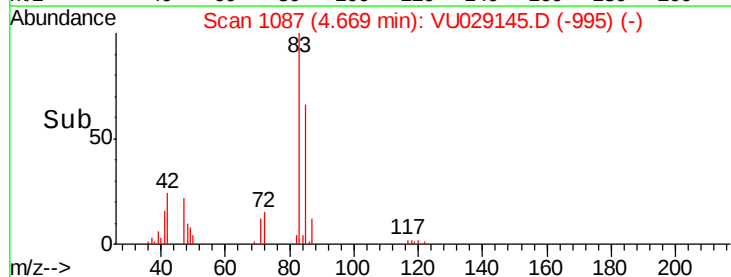
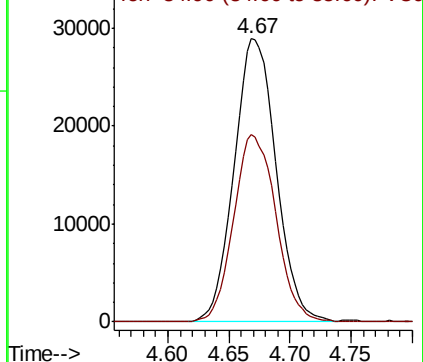


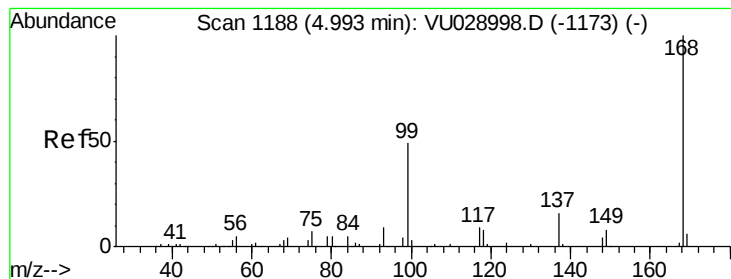
#30  
Chloroform  
Concen: 19.654 ug/l  
RT: 4.67 min Scan# 1087  
Delta R.T. -0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

Tgt Ion: 83 Resp: 68994  
Ion Ratio Lower Upper  
83 100  
85 66.1 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: 18.382 ug/l

RT: 4.99 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Instrument :

MSVOA\_U

ClientSampleId :

VU0112WBS01

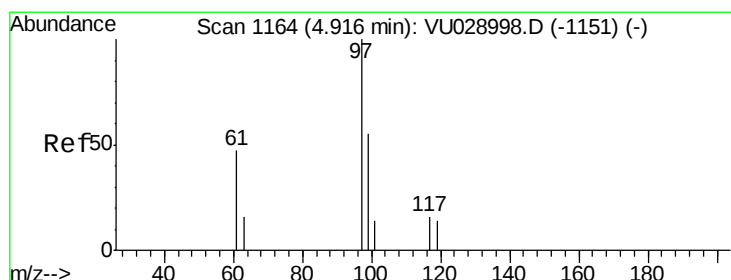
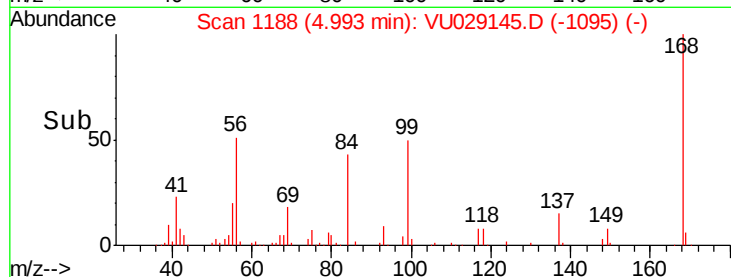
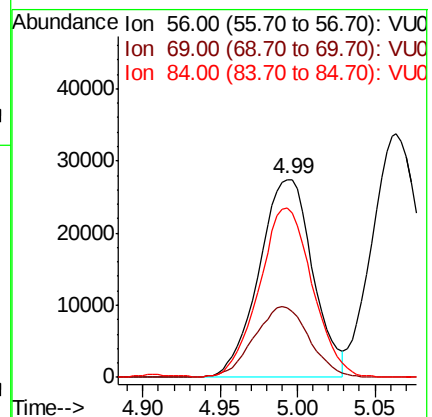
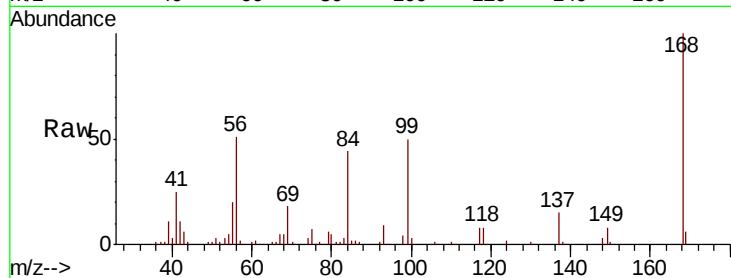
Tgt Ion: 56 Resp: 66421

Ion Ratio Lower Upper

56 100

69 34.9 26.7 40.1

84 85.1 65.7 98.5



#32

1,1,1-Trichloroethane

Concen: 19.188 ug/l

RT: 4.91 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

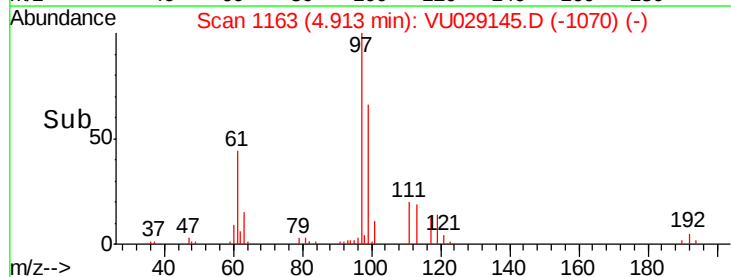
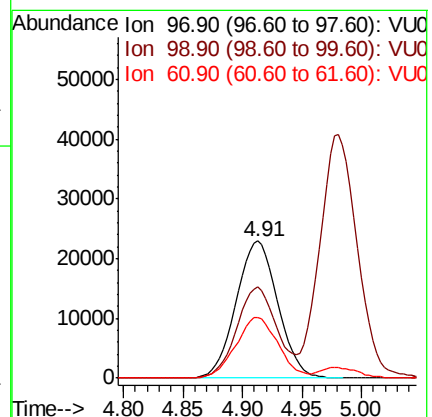
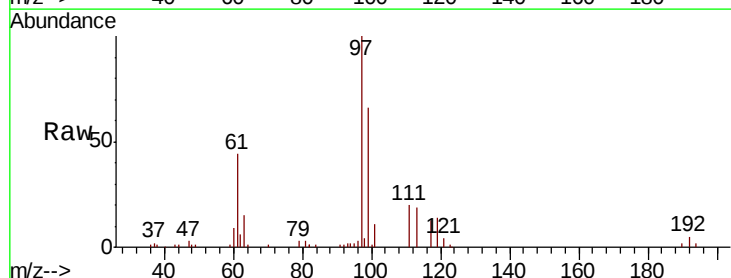
Tgt Ion: 97 Resp: 55657

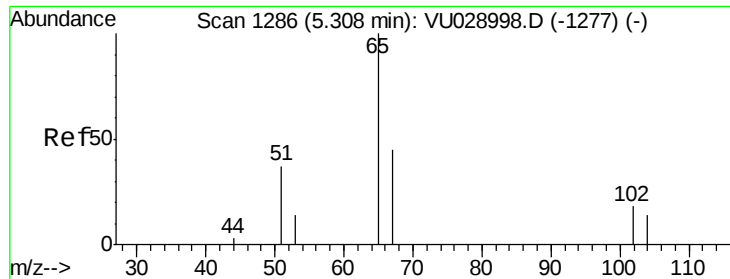
Ion Ratio Lower Upper

97 100

99 64.2 51.0 76.4

61 44.8 34.4 51.6





#33

1,2-Dichloroethane-d4

Concen: 48.164 ug/l

RT: 5.31 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Instrument :

MSVOA\_U

ClientSampleId :

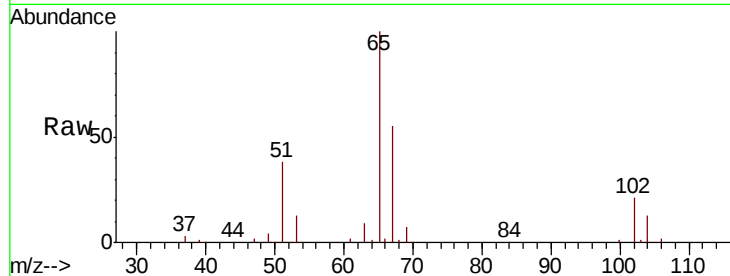
VU0112WBS01

Tgt Ion: 65 Resp: 101070

Ion Ratio Lower Upper

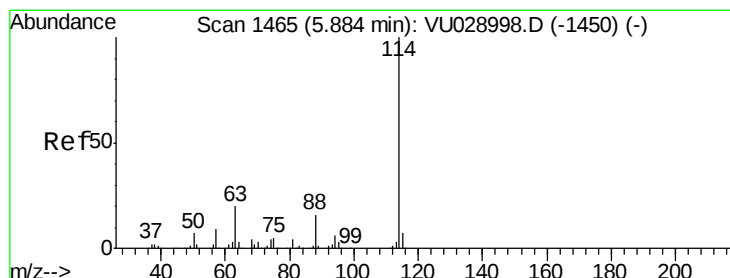
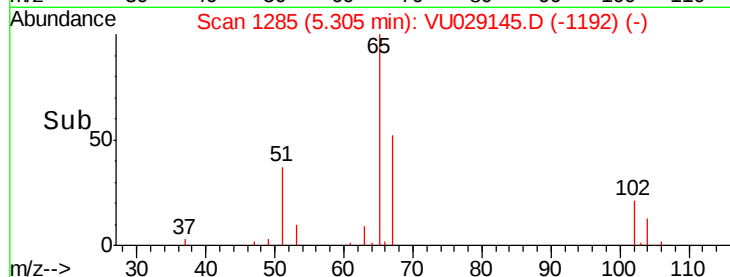
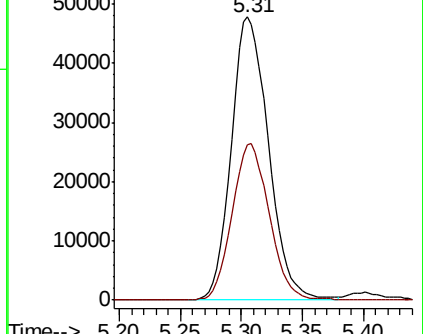
65 100

67 55.1 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

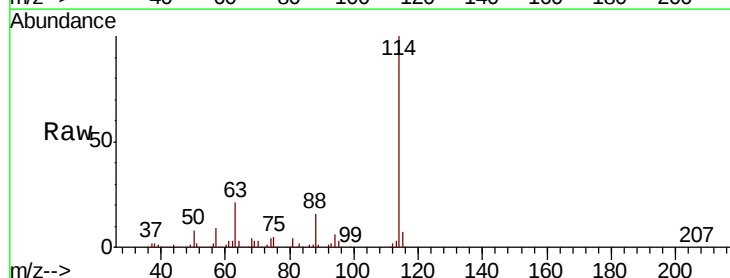
Tgt Ion: 114 Resp: 269299

Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.2

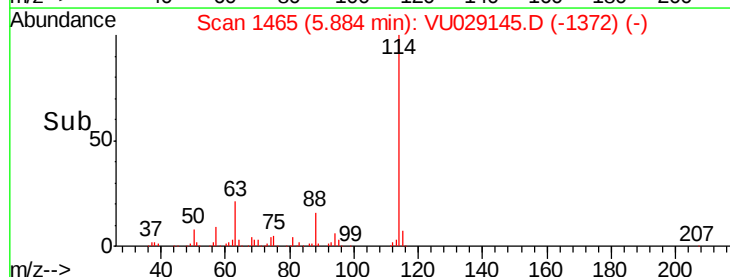
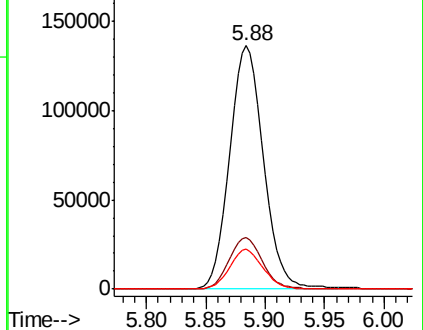
88 16.2 0.0 30.4

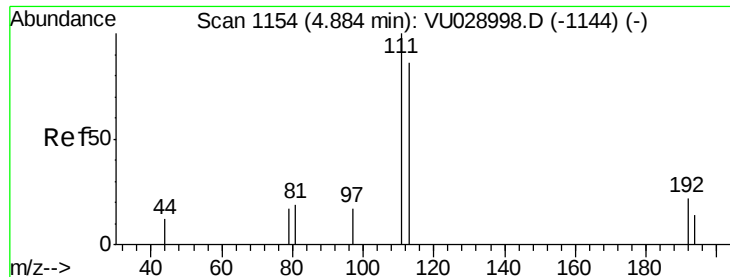


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0

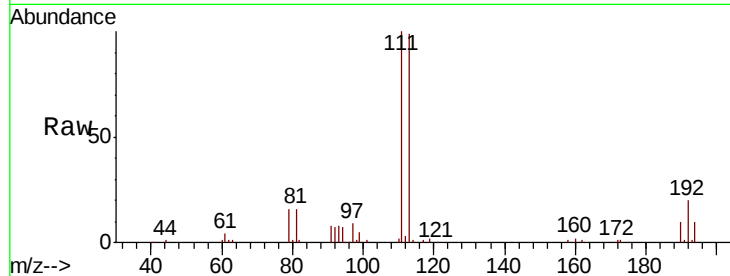




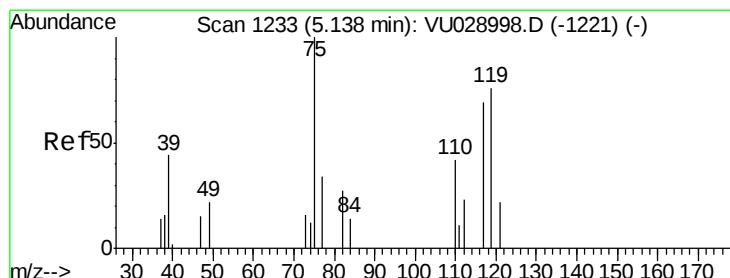
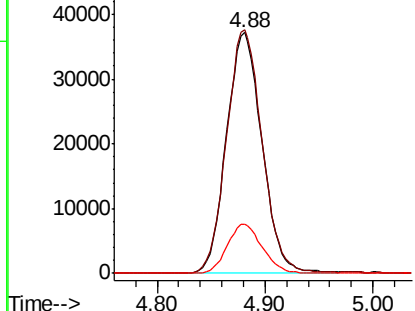
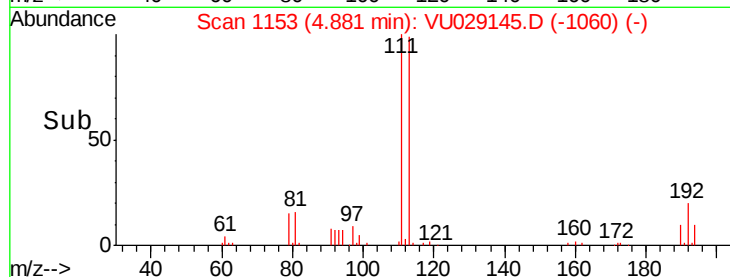
#35  
 Dibromofluoromethane  
 Concen: 48.874 ug/l  
 RT: 4.88 min Scan# 1153  
 Delta R.T. 0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0112WBS01

Tgt Ion:113 Resp: 85319  
 Ion Ratio Lower Upper  
 113 100  
 111 101.0 81.4 122.2  
 192 20.1 16.8 25.2

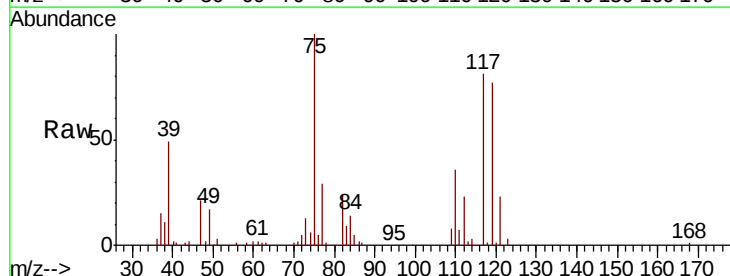


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

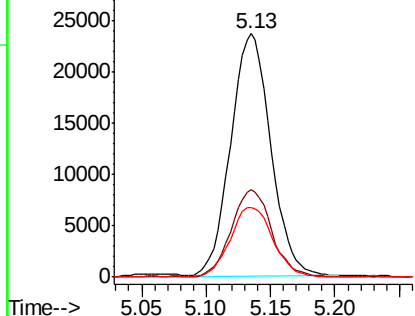
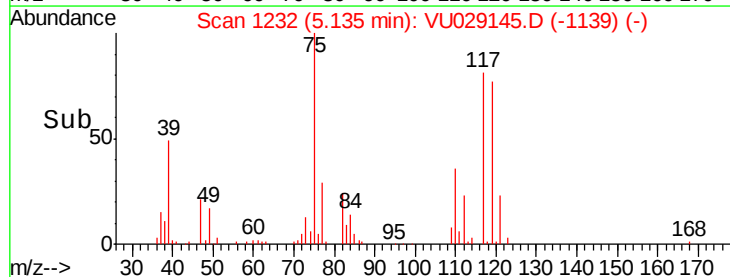


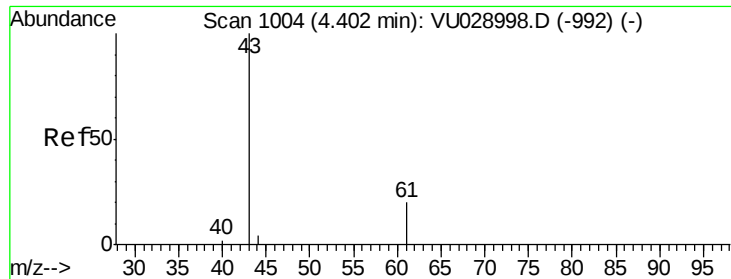
#36  
 1,1-Dichloropropene  
 Concen: 19.005 ug/l  
 RT: 5.13 min Scan# 1232  
 Delta R.T. 0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

Tgt Ion: 75 Resp: 51157  
 Ion Ratio Lower Upper  
 75 100  
 110 36.4 18.4 55.4  
 77 30.8 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

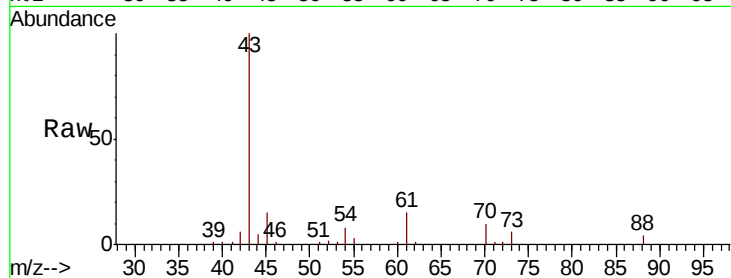




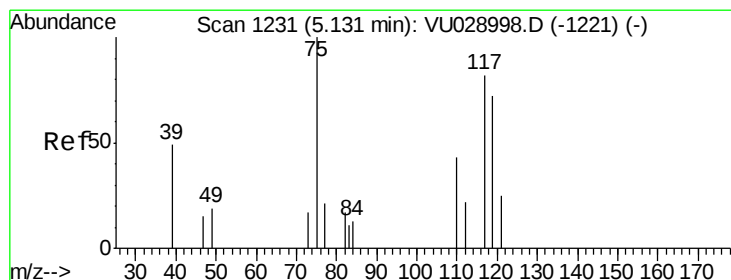
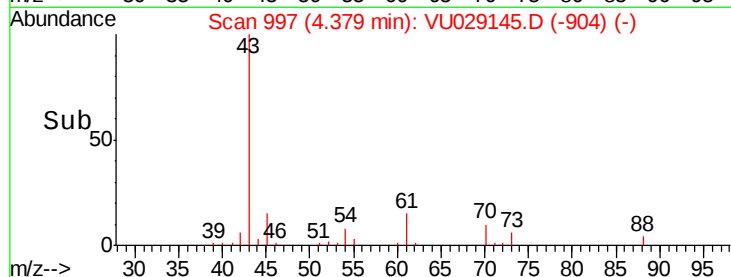
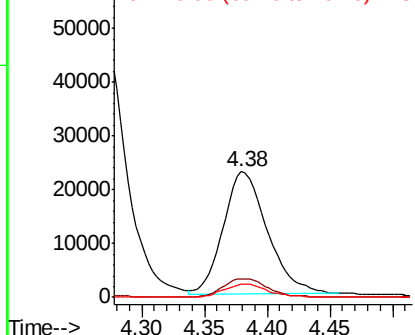
#37  
Ethyl Acetate  
Concen: 19.050 ug/l  
RT: 4.38 min Scan# 997  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0112WBS01

Tgt Ion: 43 Resp: 56287  
Ion Ratio Lower Upper  
43 100  
61 15.5 12.6 18.8  
70 10.9 9.3 13.9

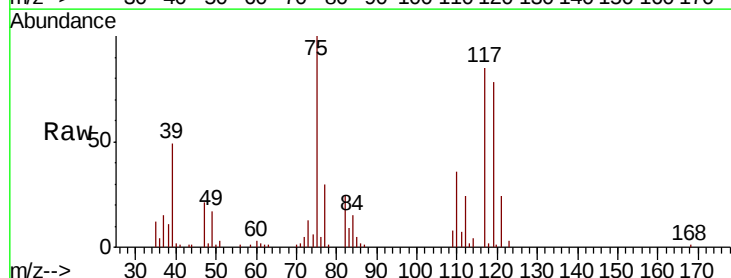


Abundance Ion 43.00 (42.70 to 43.70): VU0  
Ion 60.90 (60.60 to 61.60): VU0  
Ion 70.00 (69.70 to 70.70): VU0

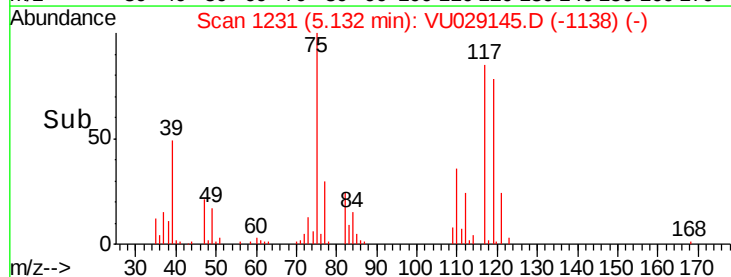
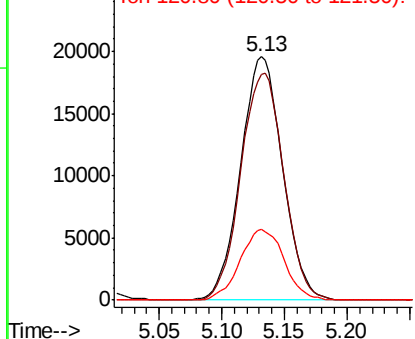


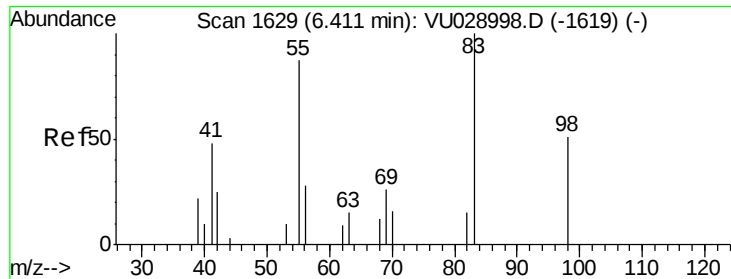
#38  
Carbon Tetrachloride  
Concen: 20.292 ug/l  
RT: 5.13 min Scan# 1231  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

Tgt Ion: 117 Resp: 45557  
Ion Ratio Lower Upper  
117 100  
119 92.5 74.6 111.8  
121 28.8 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

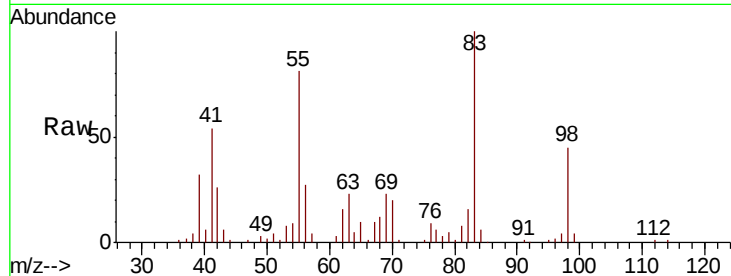




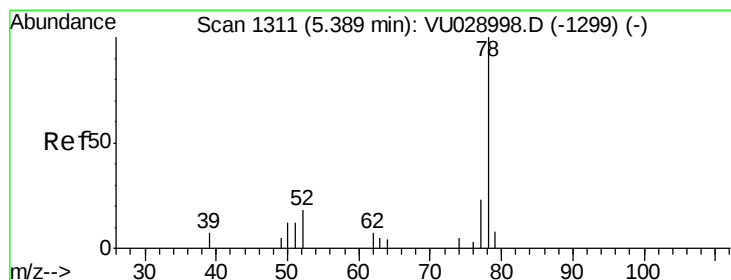
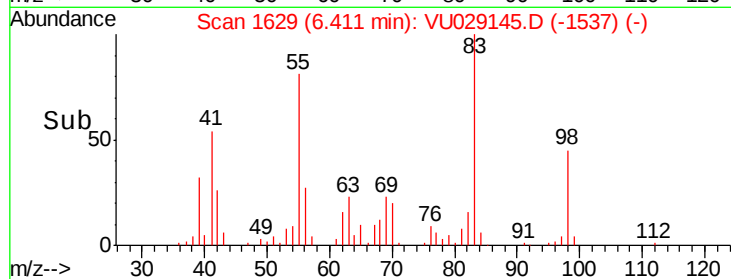
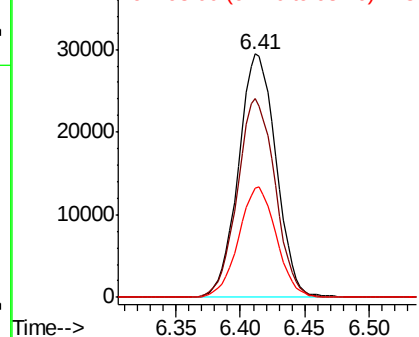
#39  
Methylcyclohexane  
Concen: 18.036 ug/l  
RT: 6.41 min Scan# 1629  
Delta R.T. -0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0112WBS01

Tgt Ion: 83 Resp: 59684  
Ion Ratio Lower Upper  
83 100  
55 81.4 62.4 93.6  
98 44.6 36.2 54.2

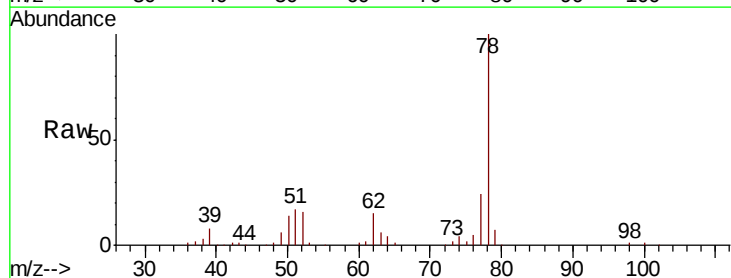


Abundance Ion 83.00 (82.70 to 83.70): VU0  
Ion 55.00 (54.70 to 55.70): VU0  
Ion 98.00 (97.70 to 98.70): VU0

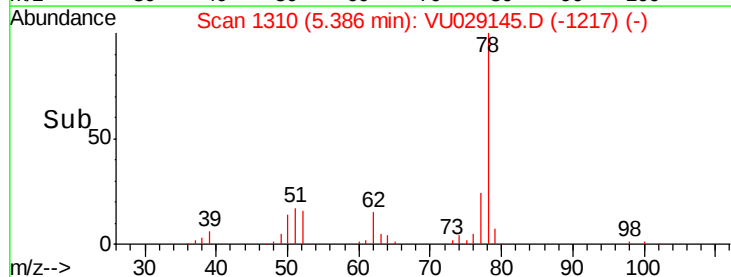
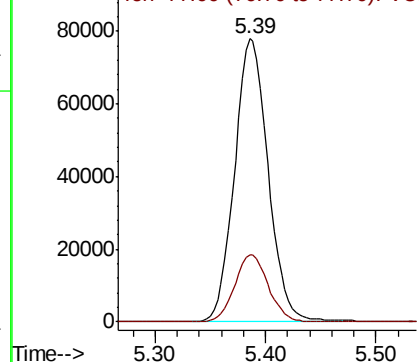


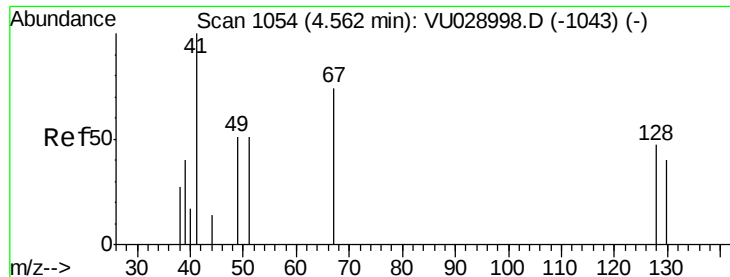
#40  
Benzene  
Concen: 19.577 ug/l  
RT: 5.39 min Scan# 1310  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

Tgt Ion: 78 Resp: 164376  
Ion Ratio Lower Upper  
78 100  
77 23.7 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VU0  
Ion 77.00 (76.70 to 77.70): VU0

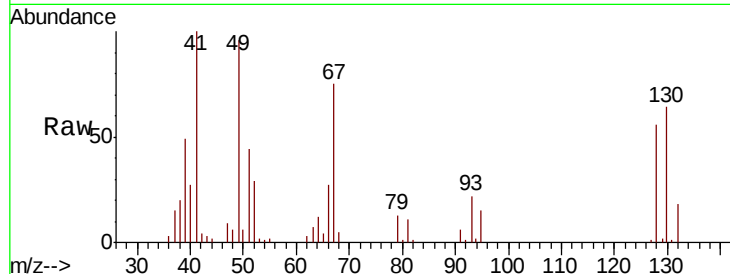




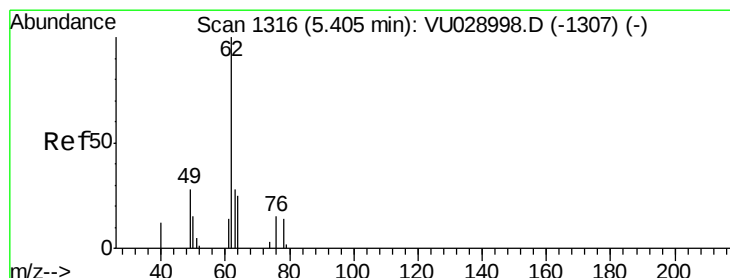
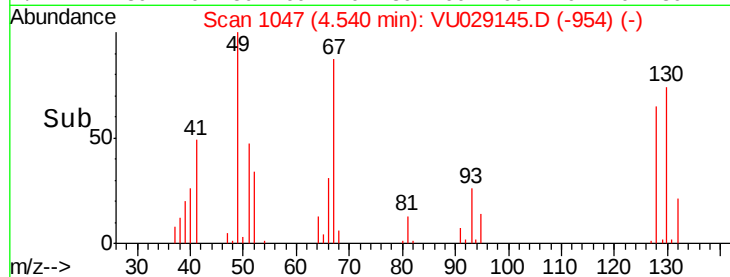
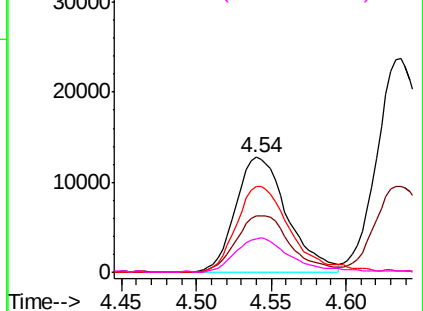
#41  
Methacrylonitrile  
Concen: 19.451 ug/l  
RT: 4.54 min Scan# 1047  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0112WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 30764 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 51.9  | 42.3  | 63.5  |
| 67       | 78.1  | 64.4  | 96.6  |
| 52       | 31.6  | 23.9  | 35.9  |

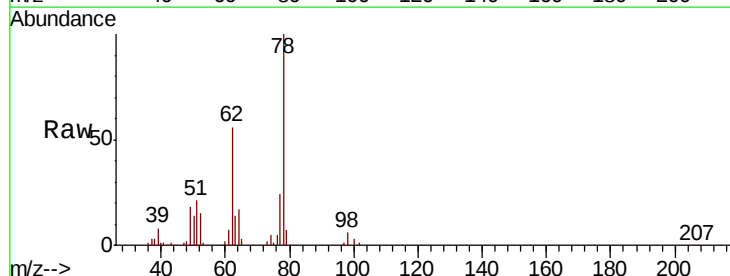


Abundance Ion 41.00 (40.70 to 41.70): VU0  
Ion 39.00 (38.70 to 39.70): VU0  
Ion 67.00 (66.70 to 67.70): VU0  
Ion 52.00 (51.70 to 52.70): VU0

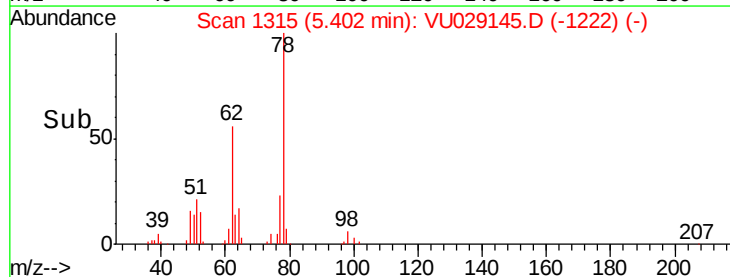
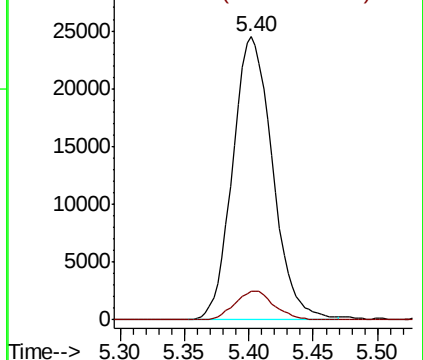


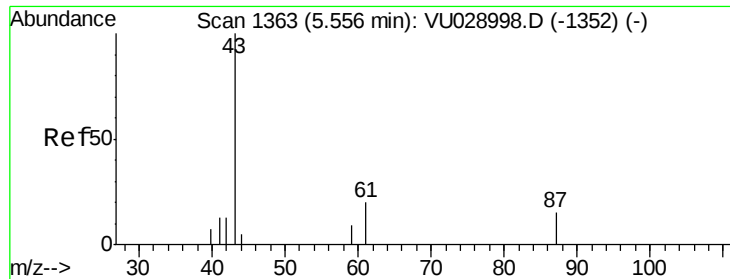
#42  
1,2-Dichloroethane  
Concen: 20.940 ug/l  
RT: 5.40 min Scan# 1315  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 52831 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 10.0  | 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: 19.545 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Instrument :

MSVOA\_U

ClientSampleId :

VU0112WBS01

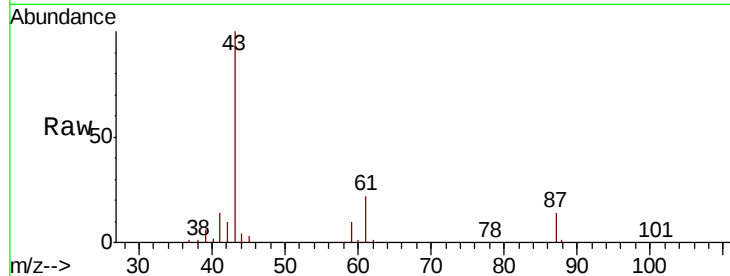
Tgt Ion: 43 Resp: 88585

Ion Ratio Lower Upper

43 100

61 21.4 17.8 26.6

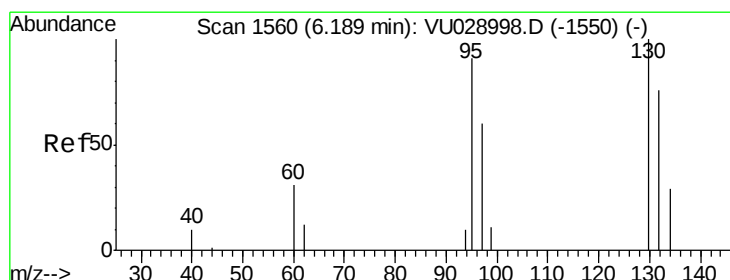
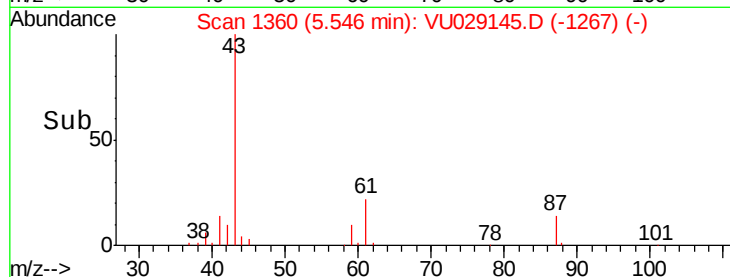
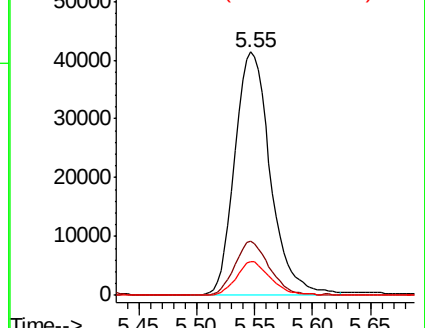
87 13.1 11.3 16.9



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: 18.659 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU029145.D

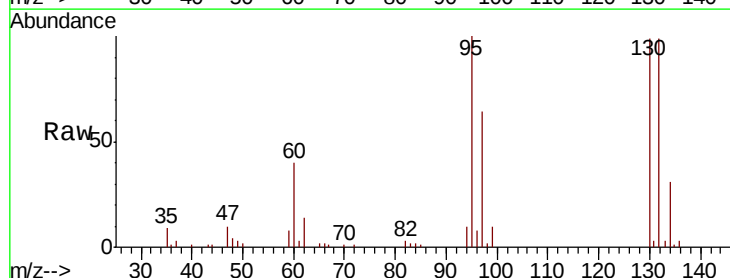
Acq: 11 Jan 2019 16:41

Tgt Ion: 130 Resp: 38817

Ion Ratio Lower Upper

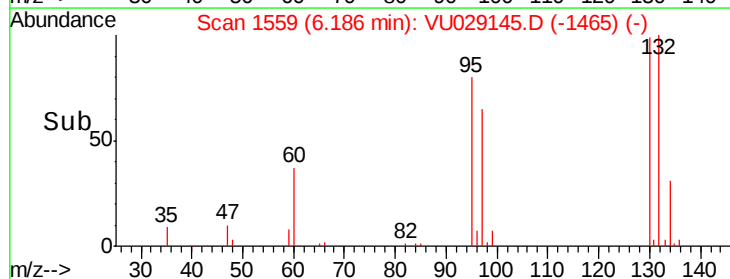
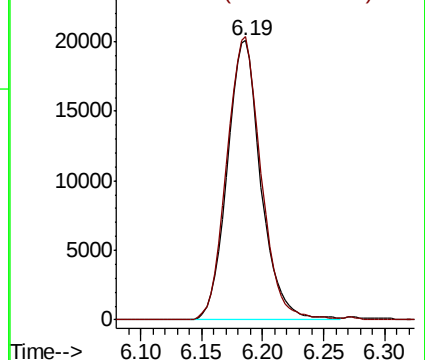
130 100

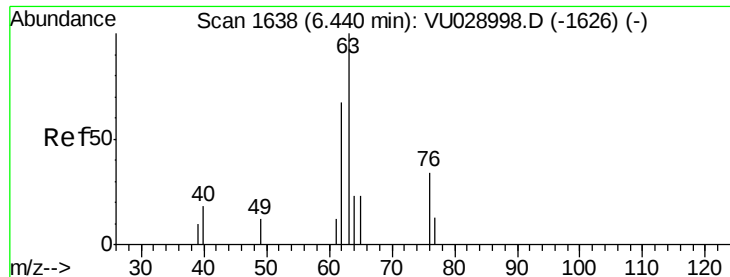
95 101.5 0.0 205.0



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: 20.433 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Instrument :

MSVOA\_U

ClientSampleId :

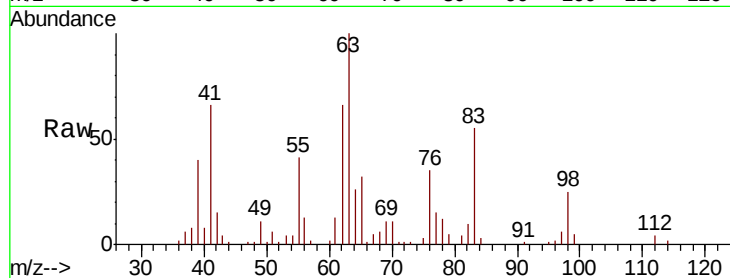
VU0112WBS01

Tgt Ion: 63 Resp: 45306

Ion Ratio Lower Upper

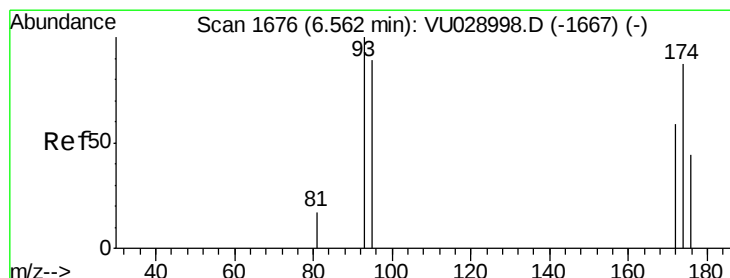
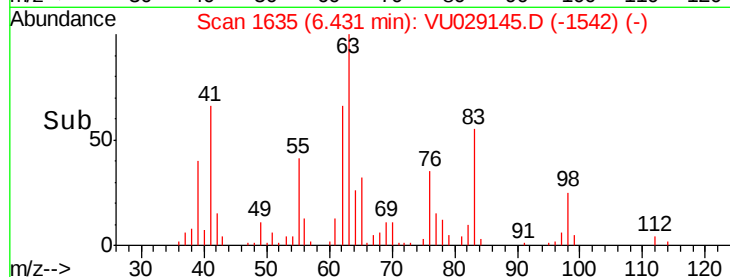
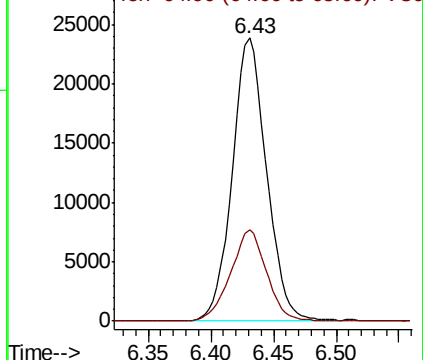
63 100

65 32.3 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: 20.278 ug/l

RT: 6.56 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

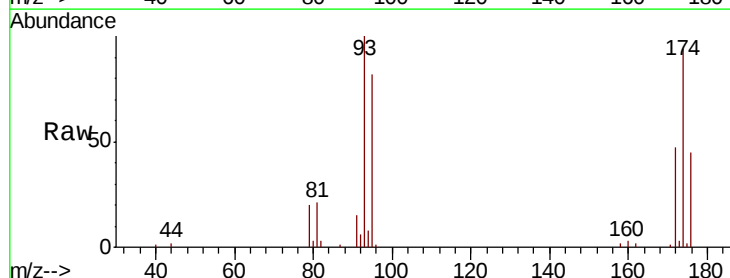
Tgt Ion: 93 Resp: 28743

Ion Ratio Lower Upper

93 100

95 83.0 67.2 100.8

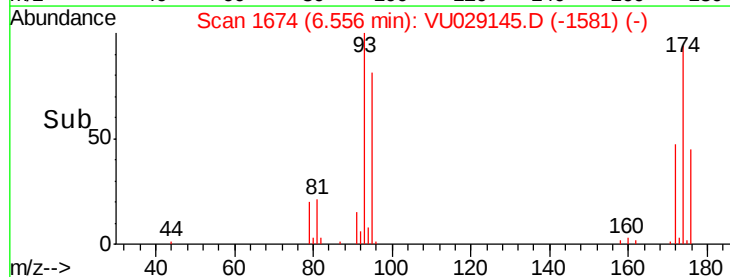
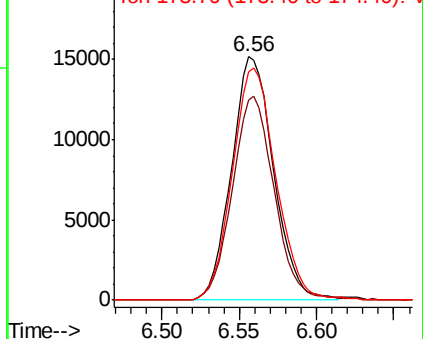
174 98.5 82.6 123.8

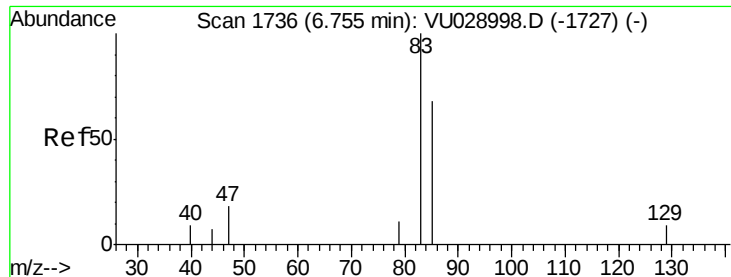


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V

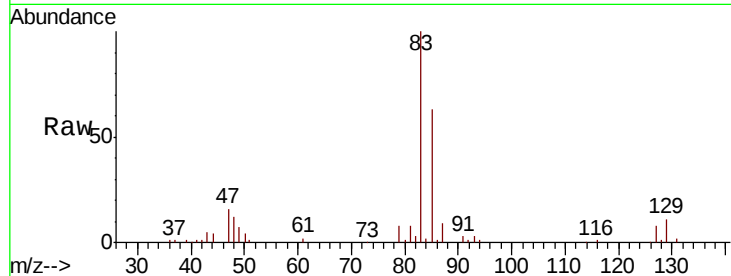




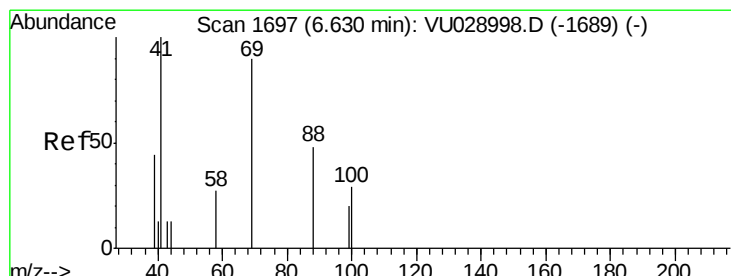
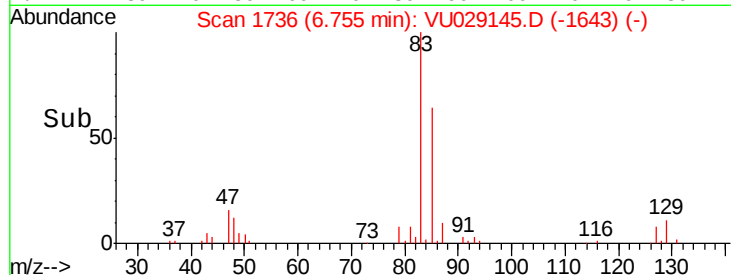
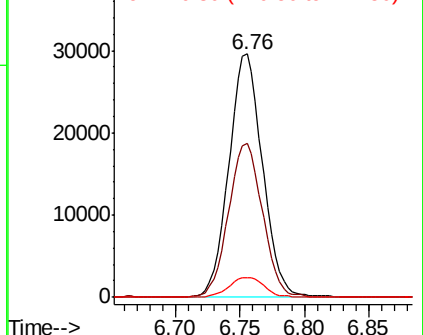
#47  
 Bromodichloromethane  
 Concen: 20.568 ug/l  
 RT: 6.76 min Scan# 1736  
 Delta R.T. 0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0112WBS01

Tgt Ion: 83 Resp: 53678  
 Ion Ratio Lower Upper  
 83 100  
 85 63.1 51.4 77.2  
 127 8.1 7.0 10.4

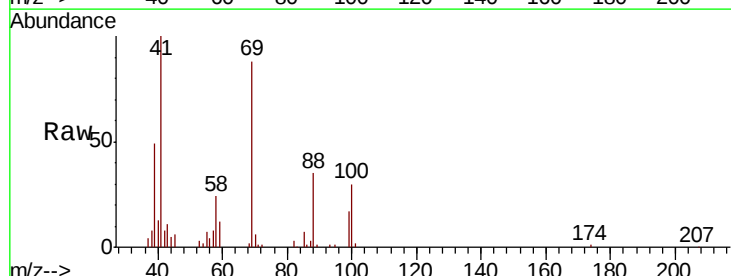


Abundance Ion 82.90 (82.60 to 83.60): VU0  
 Ion 84.90 (84.60 to 85.60): VU0  
 Ion 126.80 (126.50 to 127.50): V

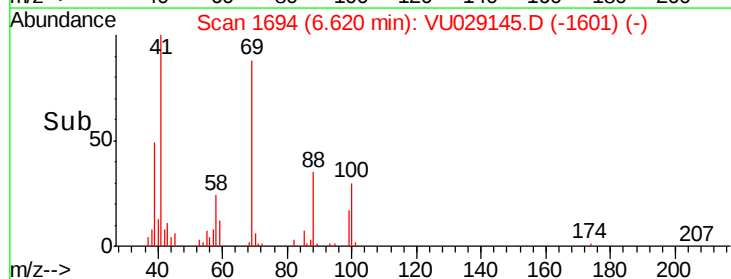
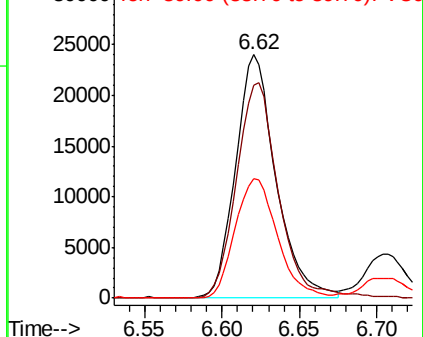


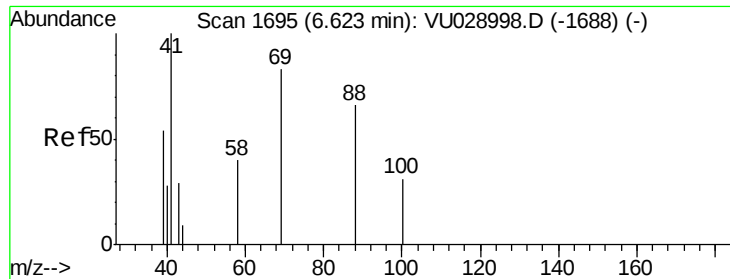
#48  
 Methyl methacrylate  
 Concen: 19.739 ug/l  
 RT: 6.62 min Scan# 1694  
 Delta R.T. 0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

Tgt Ion: 41 Resp: 43563  
 Ion Ratio Lower Upper  
 41 100  
 69 92.4 73.6 110.4  
 39 51.3 39.6 59.4



Abundance Ion 41.00 (40.70 to 41.70): VU0  
 Ion 69.00 (68.70 to 69.70): VU0  
 Ion 39.00 (38.70 to 39.70): VU0

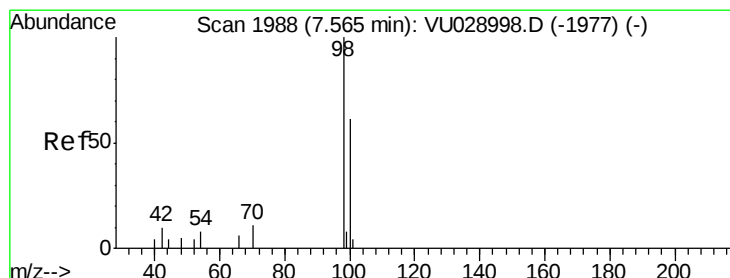
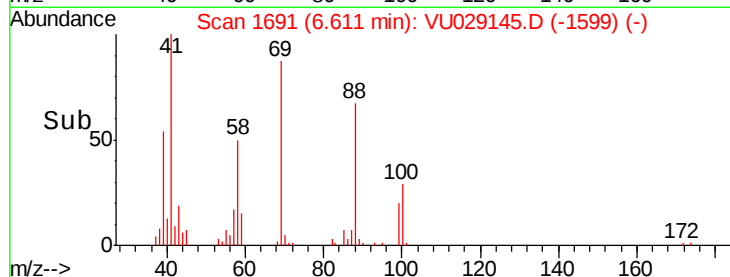
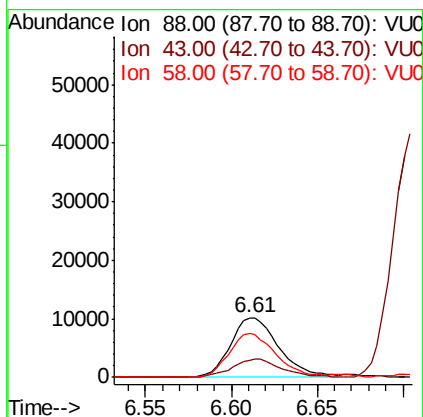
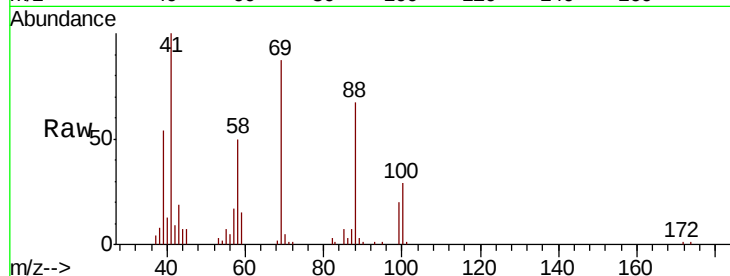




#49  
1,4-Dioxane  
Concen: 380.373 ug/l  
RT: 6.61 min Scan# 1691  
Delta R.T. -0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

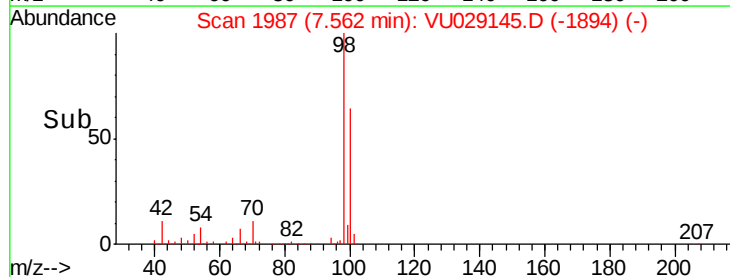
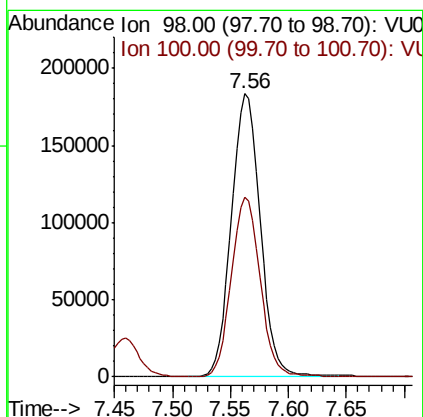
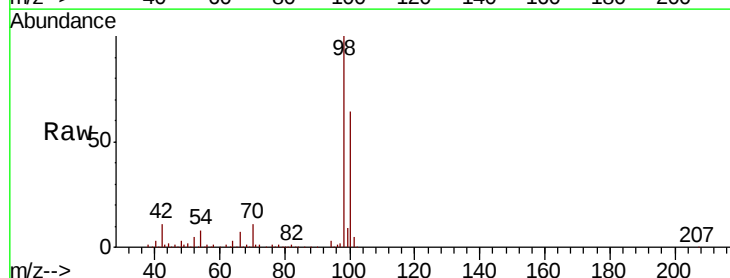
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0112WBS01

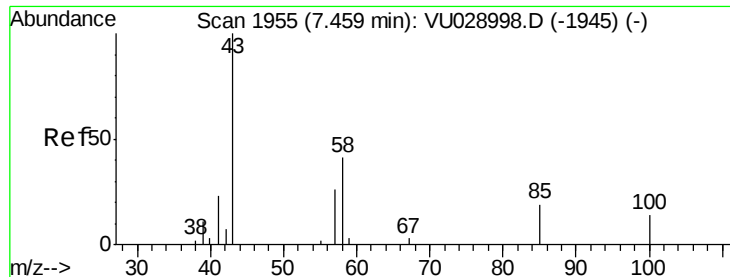
Tgt Ion: 88 Resp: 19894  
Ion Ratio Lower Upper  
88 100  
43 31.1 23.0 34.4  
58 71.6 57.9 86.9



#50  
Toluene-d8  
Concen: 46.189 ug/l  
RT: 7.56 min Scan# 1987  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

Tgt Ion: 98 Resp: 318323  
Ion Ratio Lower Upper  
98 100  
100 62.8 51.6 77.4

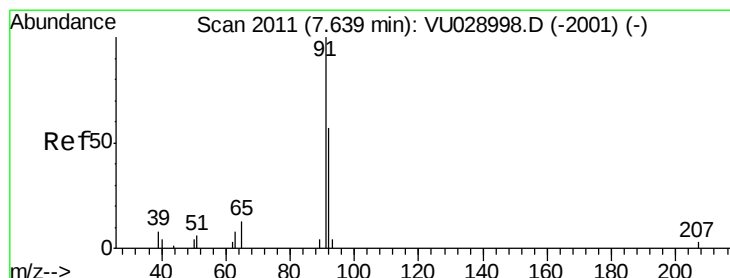
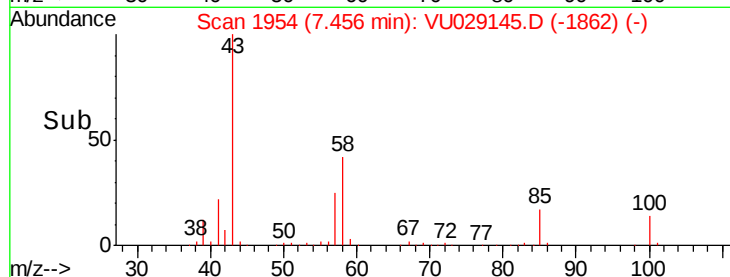
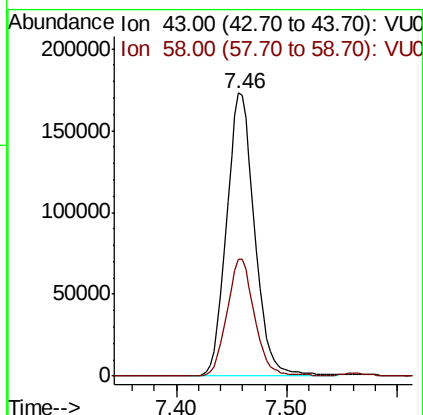
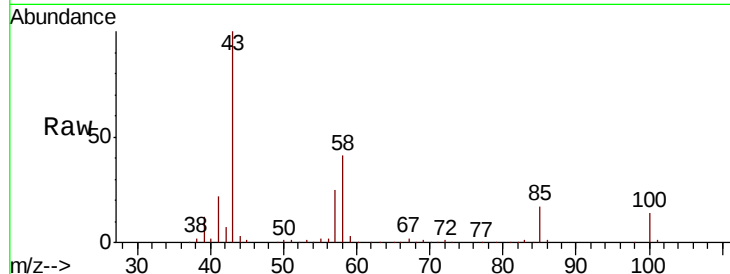




#51  
 4-Methyl-2-Pentanone  
 Concen: 98.929 ug/l  
 RT: 7.46 min Scan# 1954  
 Delta R.T. -0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

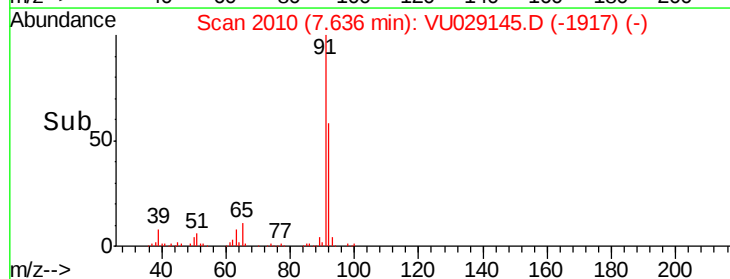
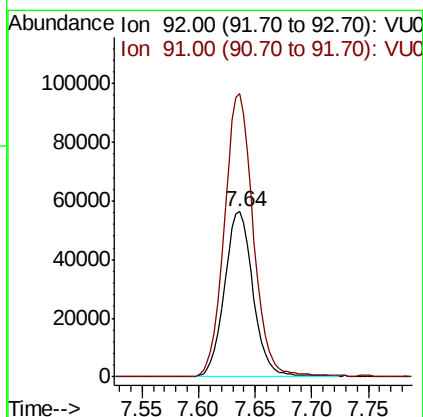
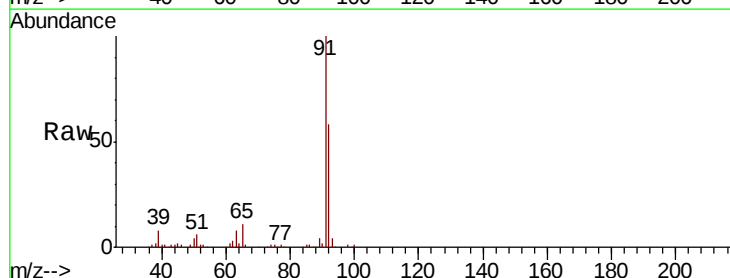
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0112WBS01

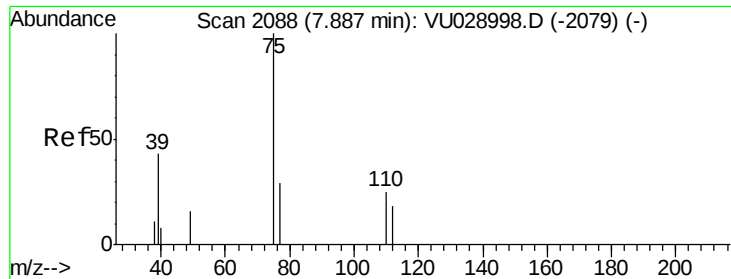
Tgt Ion: 43 Resp: 305155  
 Ion Ratio Lower Upper  
 43 100  
 58 40.8 33.9 50.9



#52  
 Toluene  
 Concen: 19.466 ug/l  
 RT: 7.64 min Scan# 2010  
 Delta R.T. 0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

Tgt Ion: 92 Resp: 99499  
 Ion Ratio Lower Upper  
 92 100  
 91 172.3 139.8 209.8

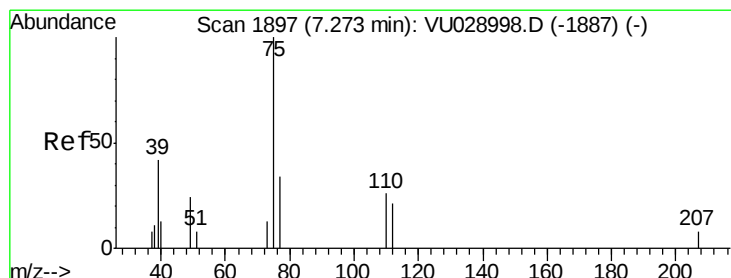
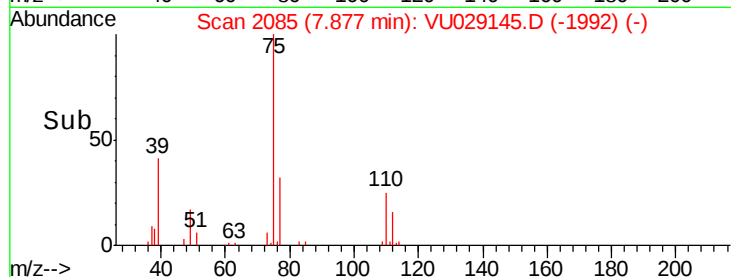
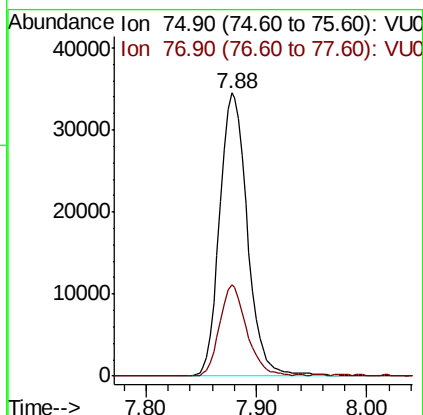
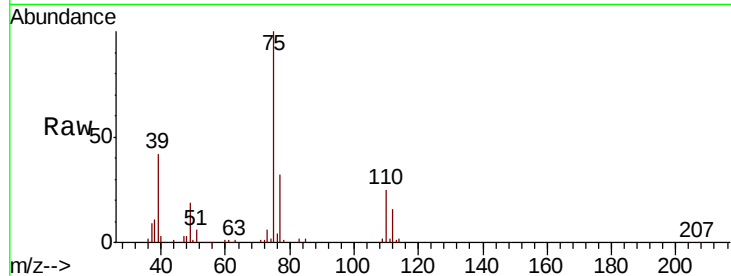




#53  
 t-1,3-Dichloropropene  
 Concen: 19.220 ug/l  
 RT: 7.88 min Scan# 2085  
 Delta R.T. 0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

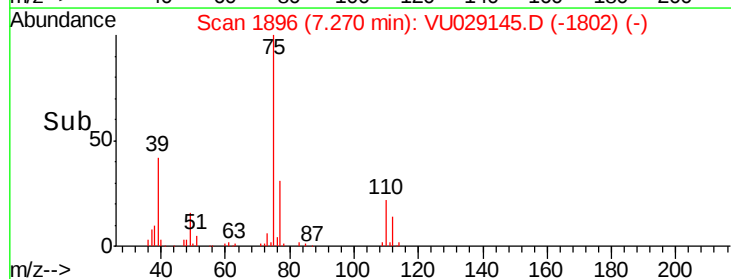
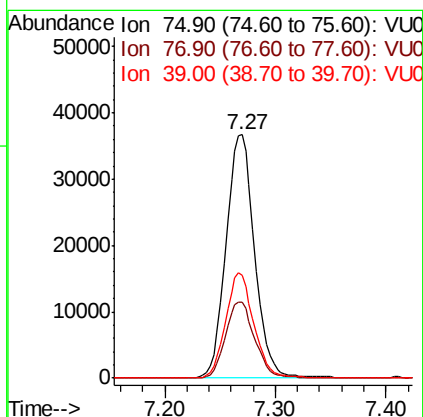
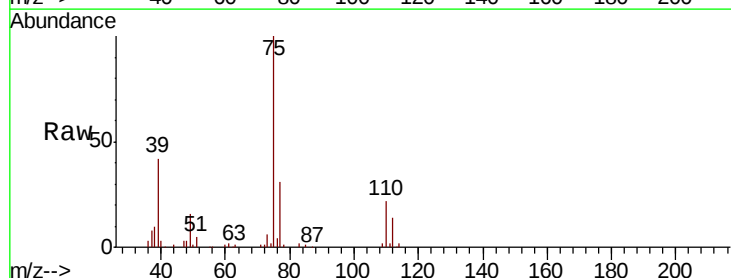
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0112WBS01

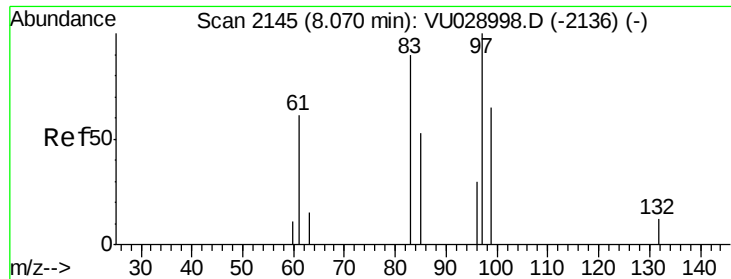
Tgt Ion: 75 Resp: 60255  
 Ion Ratio Lower Upper  
 75 100  
 77 32.5 25.0 37.4



#54  
 cis-1,3-Dichloropropene  
 Concen: 19.454 ug/l  
 RT: 7.27 min Scan# 1896  
 Delta R.T. 0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

Tgt Ion: 75 Resp: 65900  
 Ion Ratio Lower Upper  
 75 100  
 77 31.1 25.0 37.6  
 39 42.1 32.2 48.4

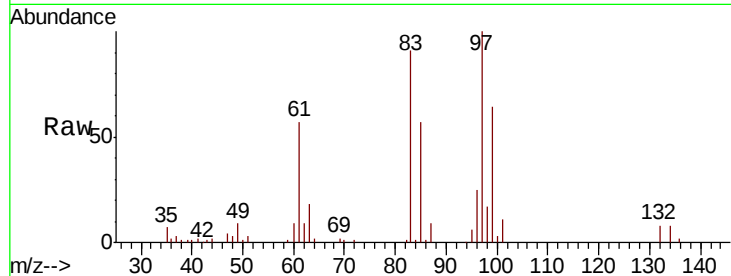




#55  
 1,1,2-Trichloroethane  
 Concen: 20.516 ug/l  
 RT: 8.07 min Scan# 2144  
 Delta R.T. 0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0112WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 42012 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 90.6  | 69.8  | 104.8 |
| 85       | 57.1  | 47.3  | 70.9  |
| 99       | 63.6  | 49.7  | 74.5  |



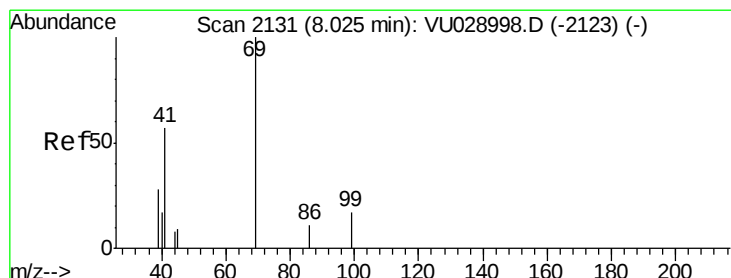
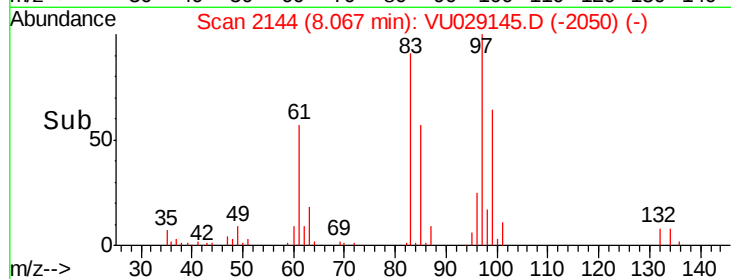
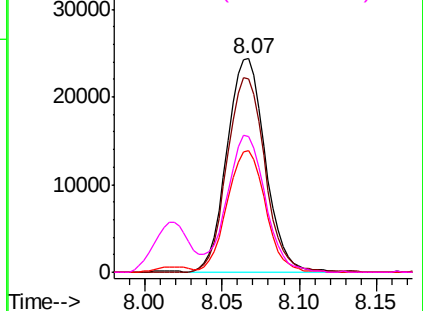
Abundance

Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

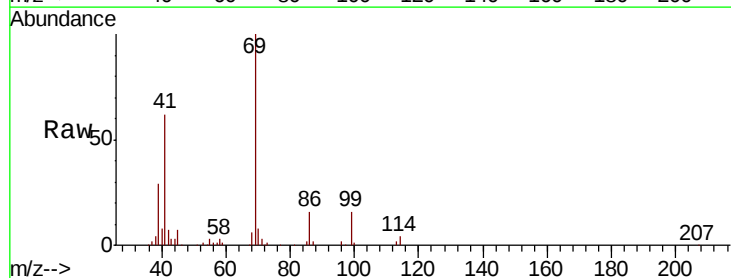
Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56  
 Ethyl methacrylate  
 Concen: 18.191 ug/l  
 RT: 8.02 min Scan# 2128  
 Delta R.T. 0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 57389 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 63.4  | 47.5  | 71.3  |
| 39       | 30.4  | 22.5  | 33.7  |

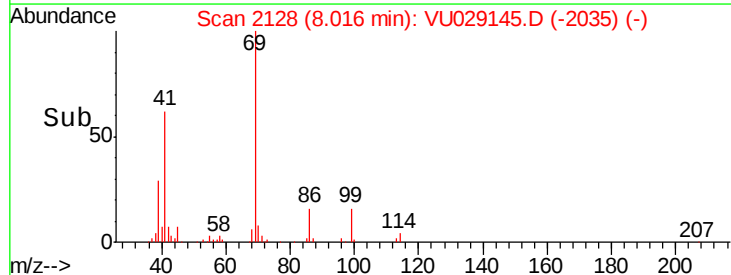
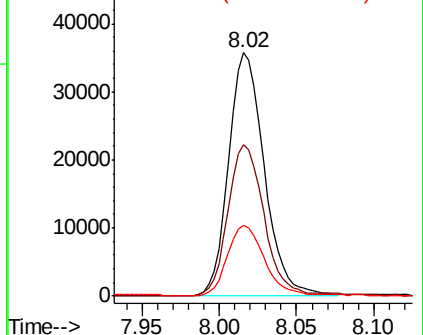


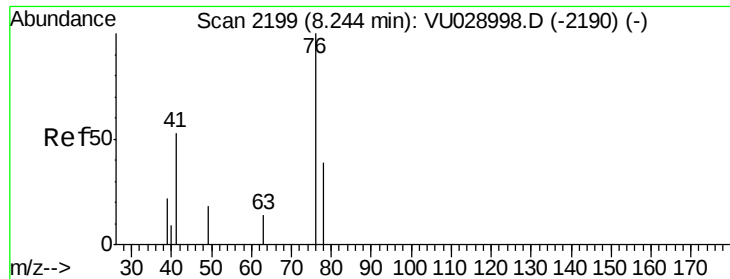
Abundance

Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

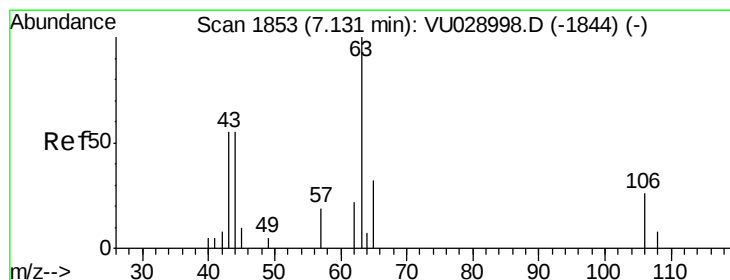
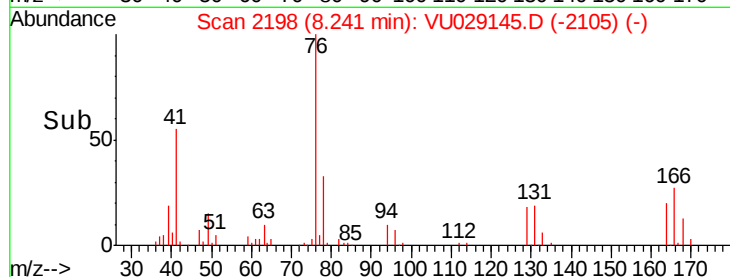
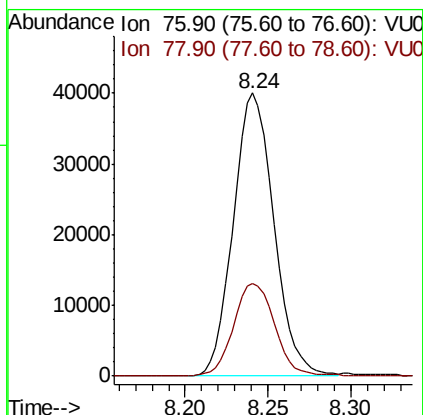
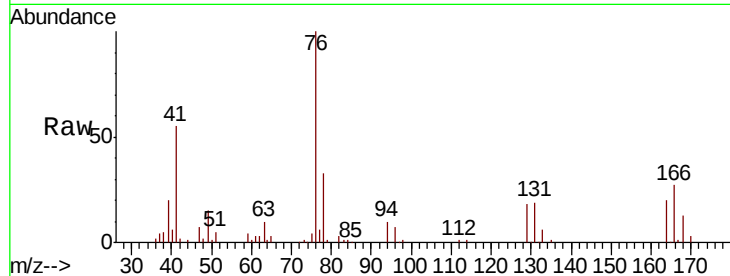




#57  
 1,3-Dichloropropane  
 Concen: 19.520 ug/l  
 RT: 8.24 min Scan# 2198  
 Delta R.T. 0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

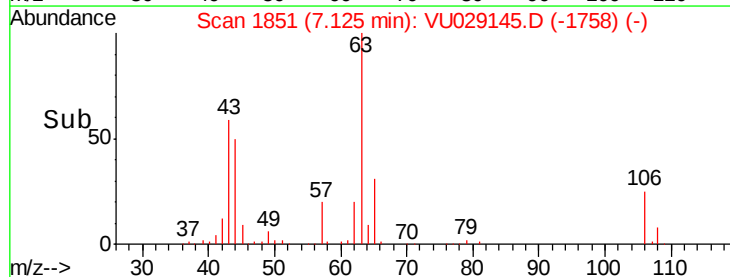
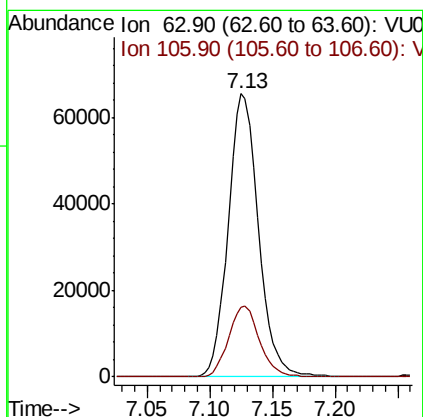
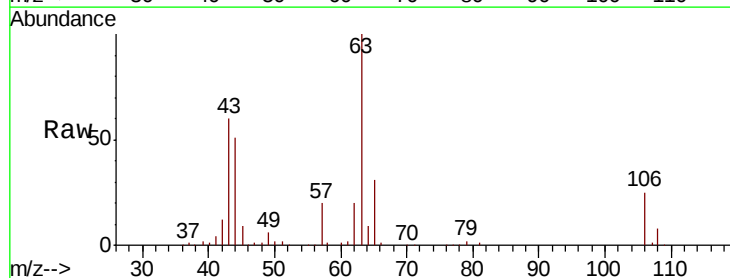
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0112WBS01

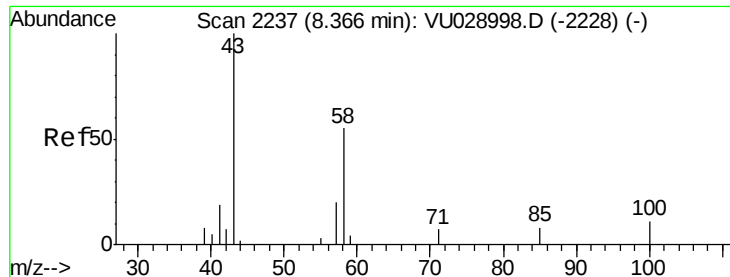
Tgt Ion: 76 Resp: 68396  
 Ion Ratio Lower Upper  
 76 100  
 78 33.2 26.0 39.0



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 79.130 ug/l  
 RT: 7.13 min Scan# 1851  
 Delta R.T. 0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

Tgt Ion: 63 Resp: 109785  
 Ion Ratio Lower Upper  
 63 100  
 106 25.4 20.6 31.0

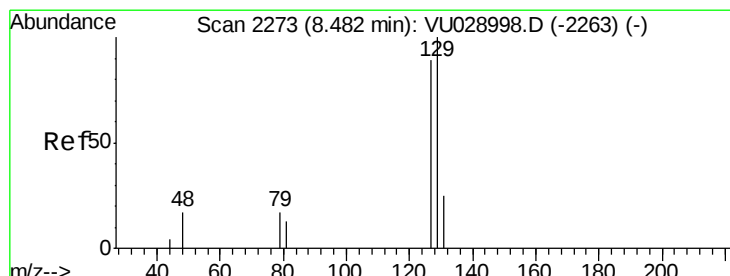
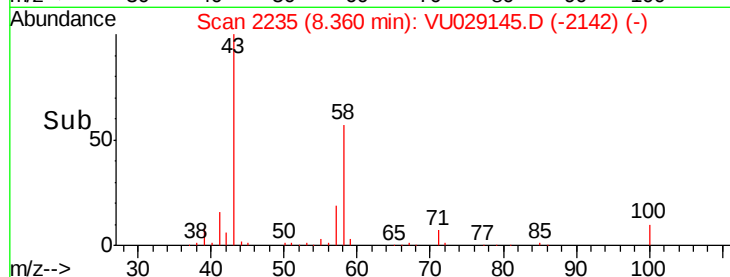
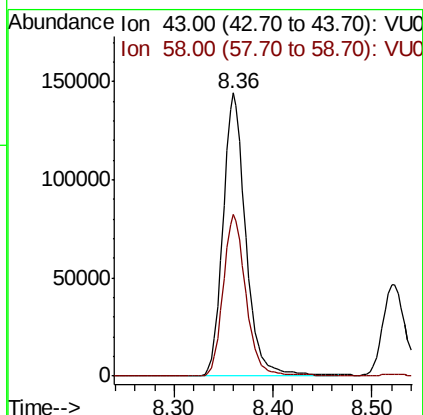
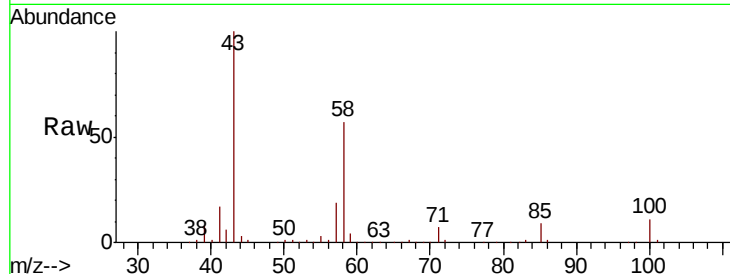




#59  
2-Hexanone  
Concen: 96.879 ug/l  
RT: 8.36 min Scan# 2235  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

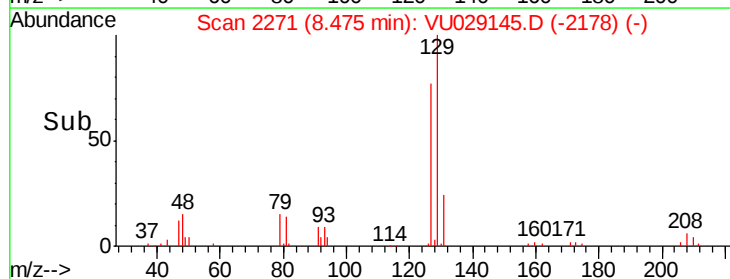
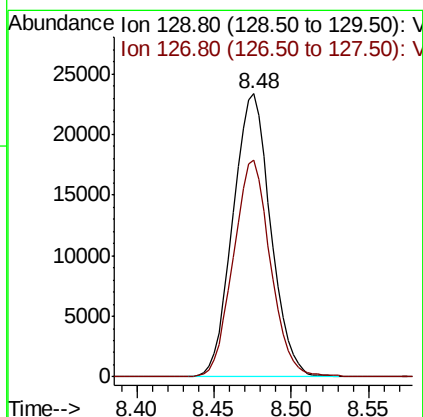
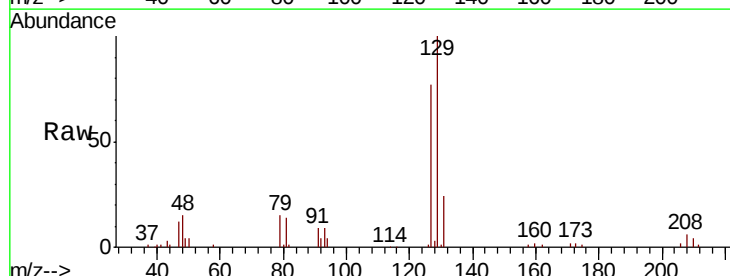
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0112WBS01

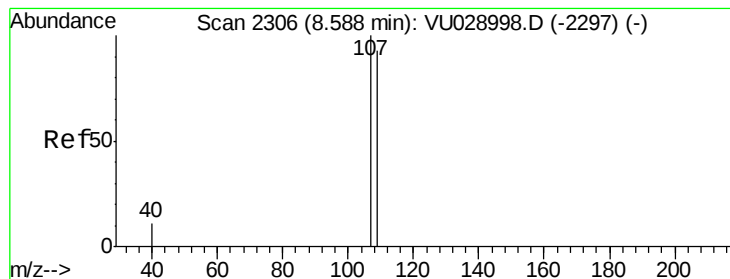
Tgt Ion: 43 Resp: 234571  
Ion Ratio Lower Upper  
43 100  
58 57.4 29.8 89.4



#60  
Dibromochloromethane  
Concen: 19.511 ug/l  
RT: 8.48 min Scan# 2271  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

Tgt Ion: 129 Resp: 39582  
Ion Ratio Lower Upper  
129 100  
127 75.2 38.0 114.0





#61

1,2-Dibromoethane

Concen: 19.977 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Instrument :

MSVOA\_U

ClientSampleId :

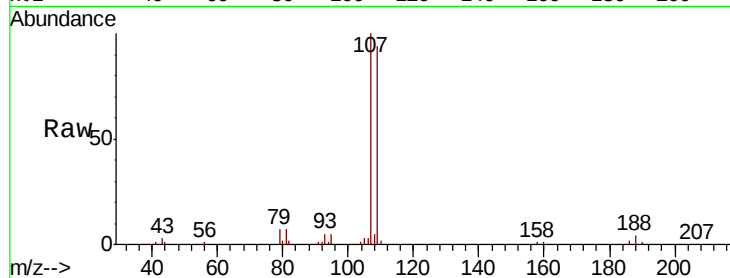
VU0112WBS01

Tgt Ion: 107 Resp: 44367

Ion Ratio Lower Upper

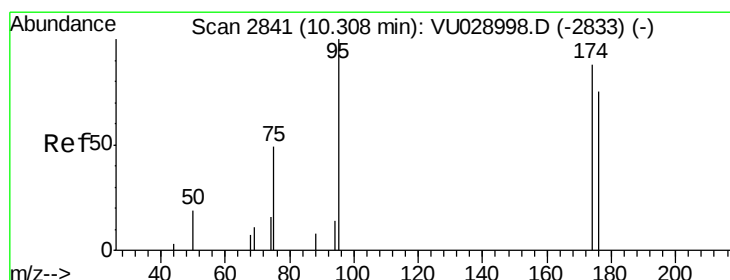
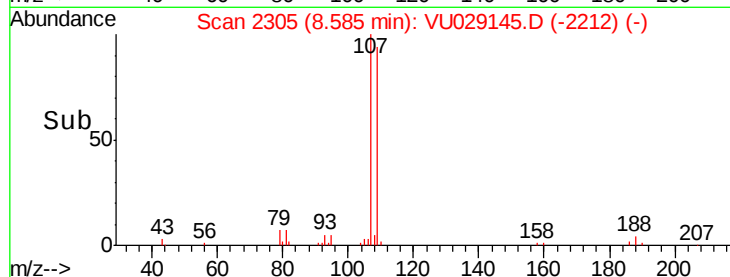
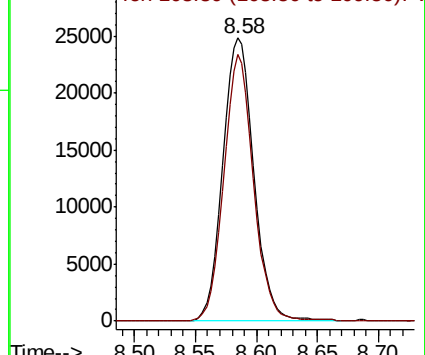
107 100

109 89.9 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.232 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

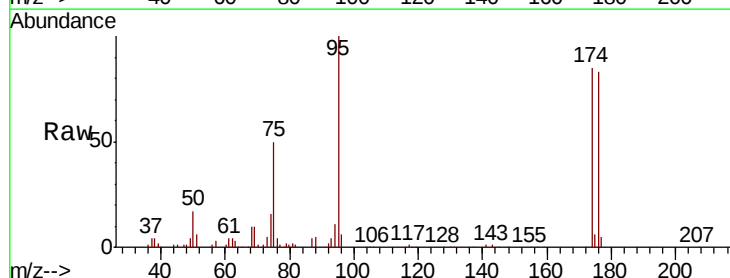
Tgt Ion: 95 Resp: 109551

Ion Ratio Lower Upper

95 100

174 84.8 0.0 170.6

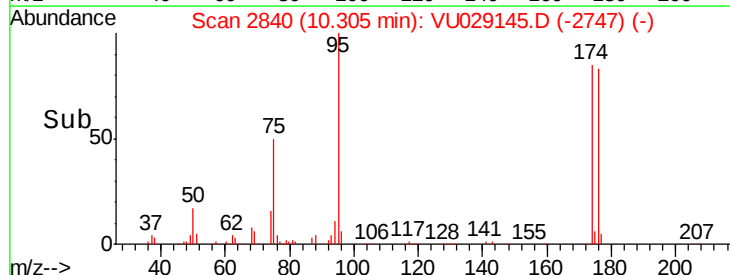
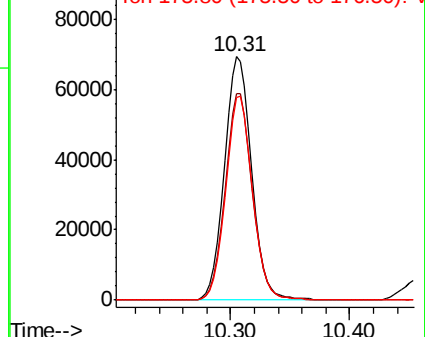
176 82.5 0.0 165.0

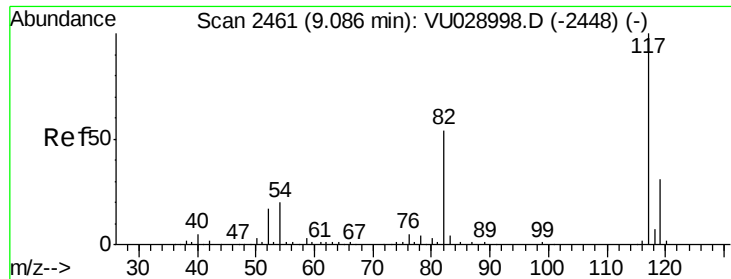


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

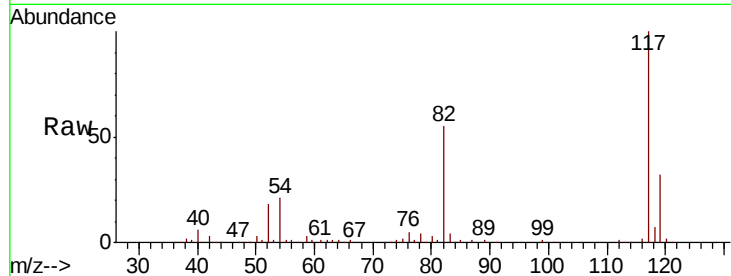




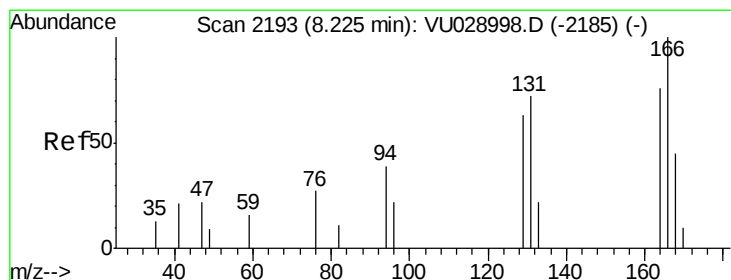
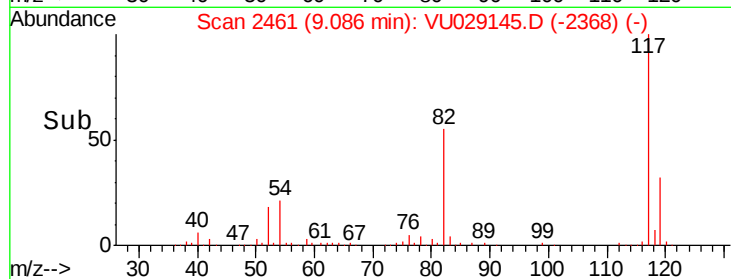
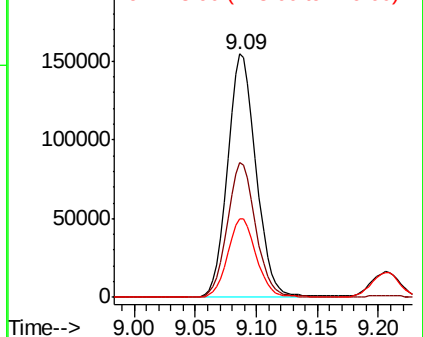
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2461  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0112WBS01

Tgt Ion:117 Resp: 253067  
Ion Ratio Lower Upper  
117 100  
82 55.2 43.9 65.9  
119 32.2 26.0 39.0

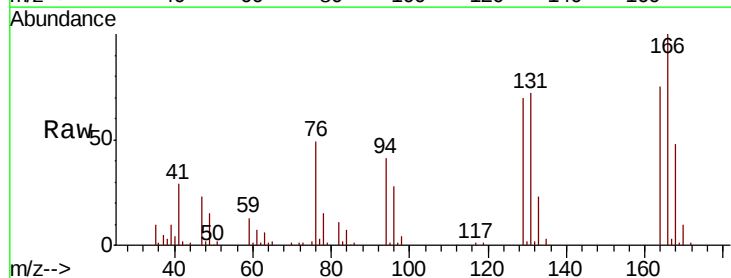


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

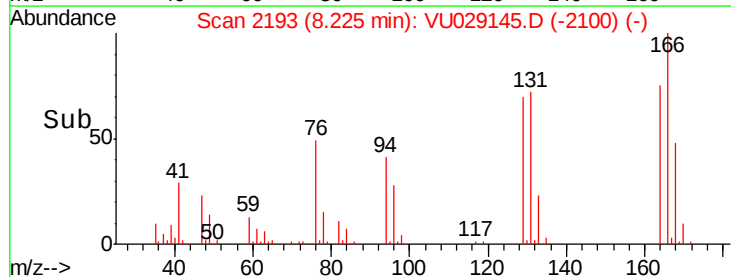
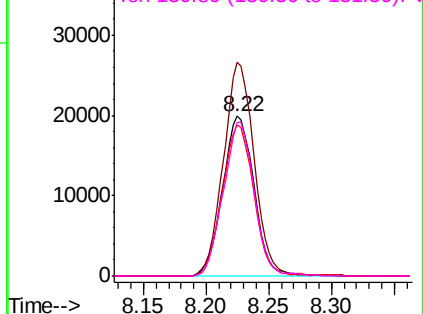


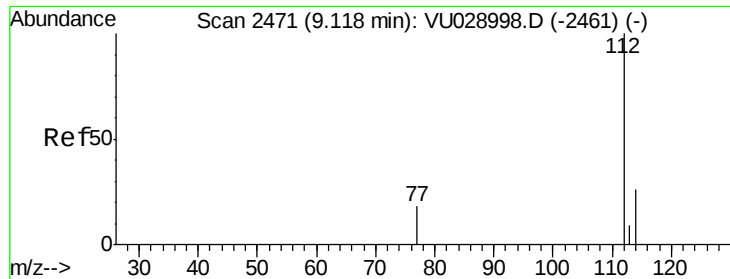
#64  
Tetrachloroethene  
Concen: 19.051 ug/l  
RT: 8.22 min Scan# 2193  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

Tgt Ion:164 Resp: 34729  
Ion Ratio Lower Upper  
164 100  
166 133.7 99.4 149.0  
129 94.3 70.5 105.7  
131 96.2 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

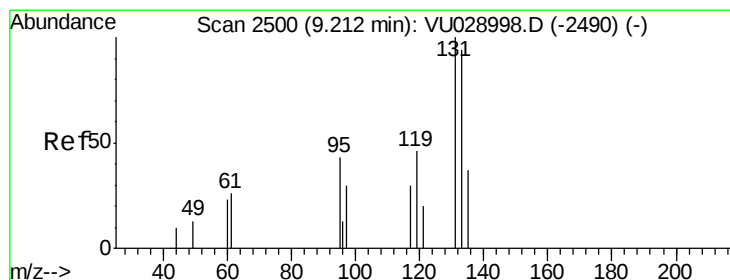
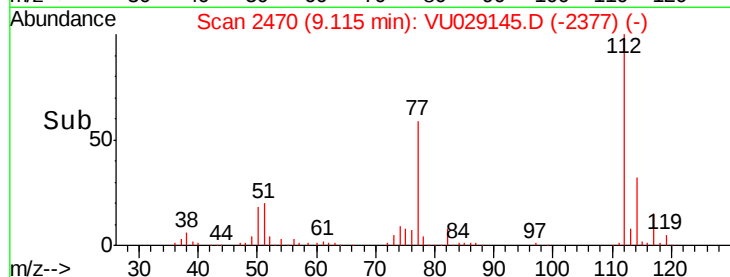
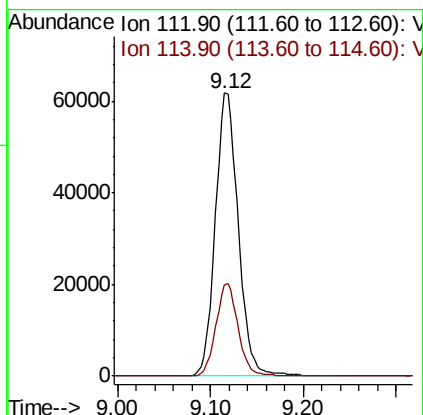
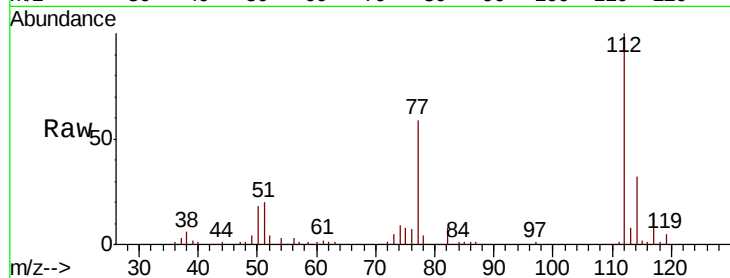




#65  
Chlorobenzene  
Concen: 18.725 ug/l  
RT: 9.12 min Scan# 2470  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

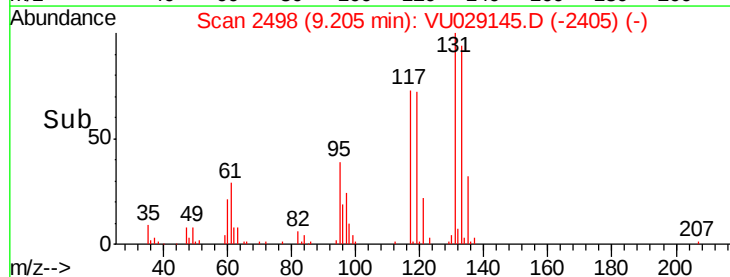
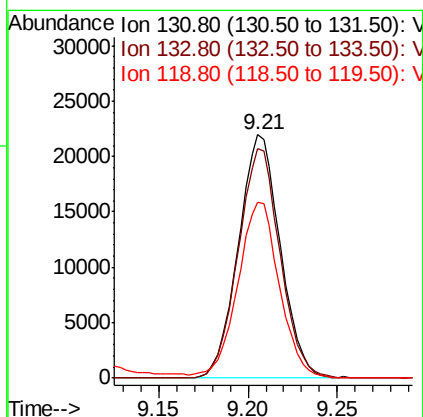
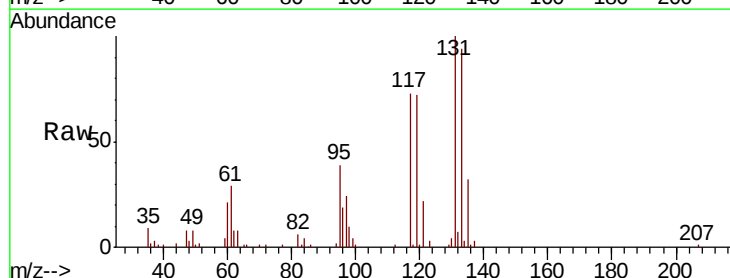
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0112WBS01

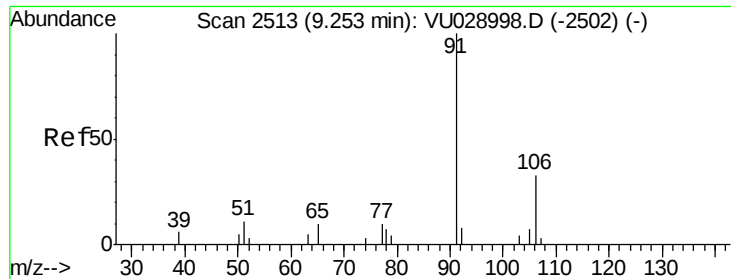
Tgt Ion:112 Resp: 106218  
Ion Ratio Lower Upper  
112 100  
114 32.2 25.0 37.6



#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.534 ug/l  
RT: 9.21 min Scan# 2498  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

Tgt Ion:131 Resp: 35960  
Ion Ratio Lower Upper  
131 100  
133 94.5 48.2 144.6  
119 72.2 35.4 106.3





#67

Ethyl Benzene

Concen: 18.582 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Instrument :

MSVOA\_U

ClientSampleId :

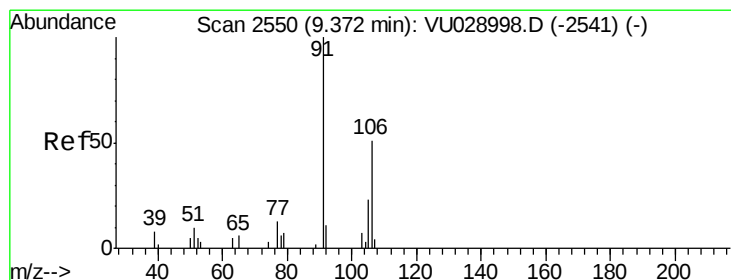
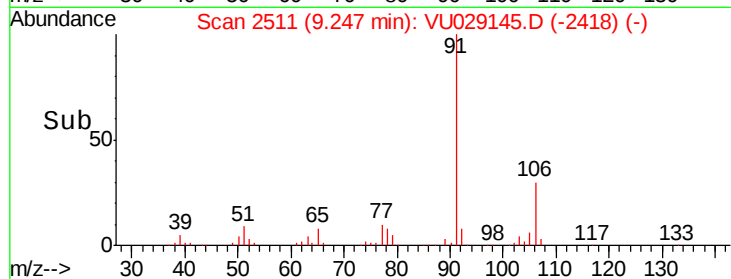
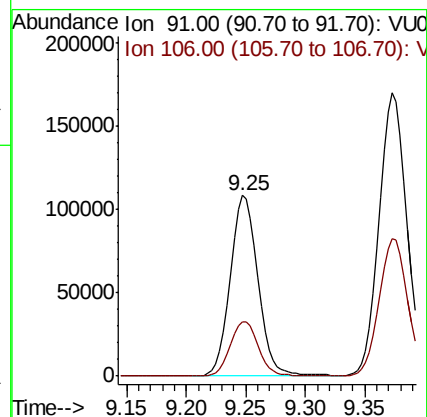
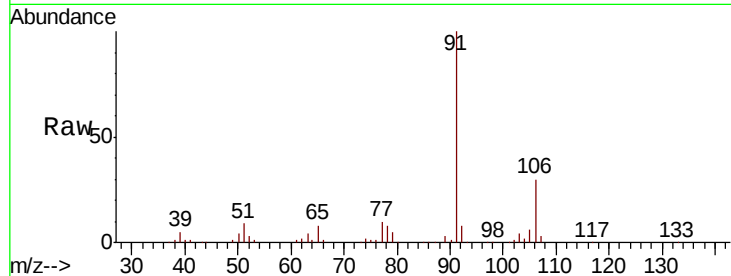
VU0112WBS01

Tgt Ion: 91 Resp: 175983

Ion Ratio Lower Upper

91 100

106 30.2 25.0 37.4



#68

m/p-Xylenes

Concen: 37.174 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU029145.D

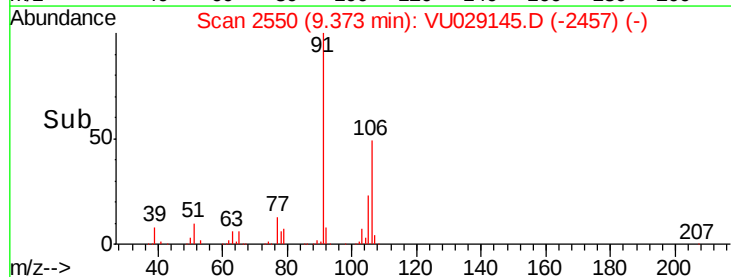
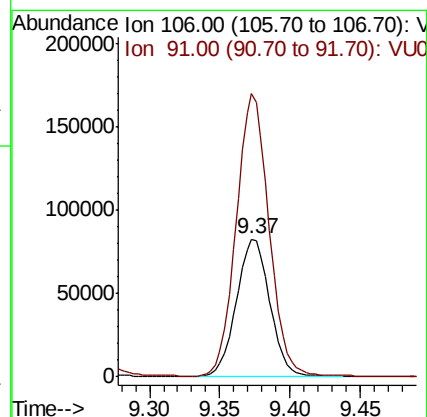
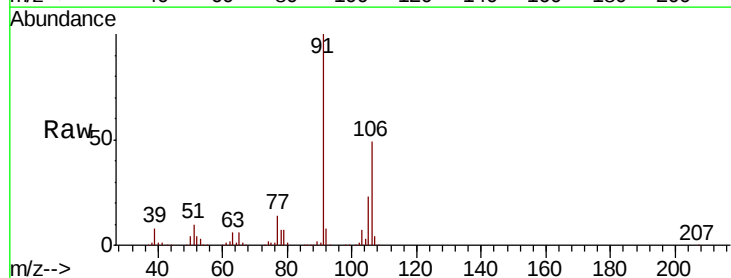
Acq: 11 Jan 2019 16:41

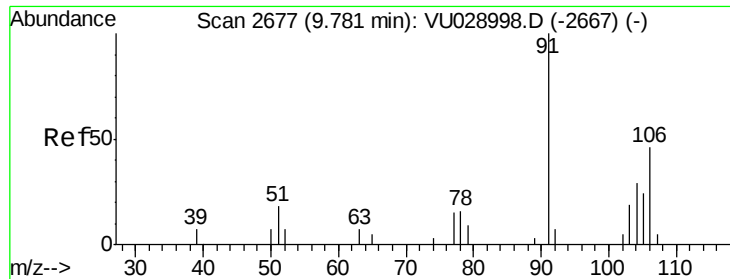
Tgt Ion: 106 Resp: 136794

Ion Ratio Lower Upper

106 100

91 202.8 161.7 242.5

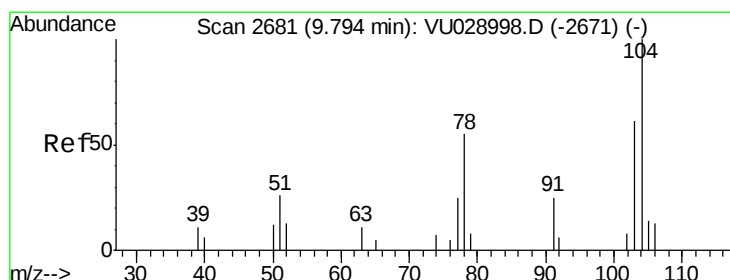
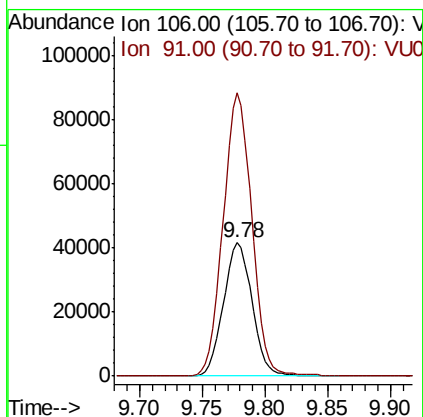
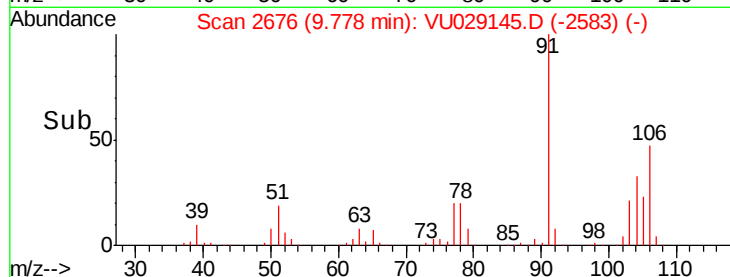
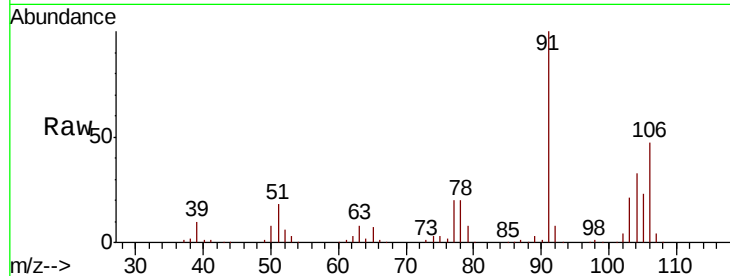




#69  
o-Xylene  
Concen: 18.615 ug/l  
RT: 9.78 min Scan# 2676  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

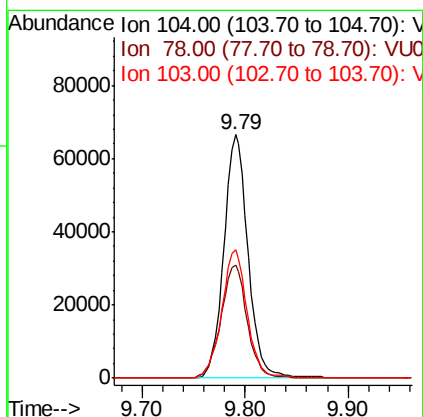
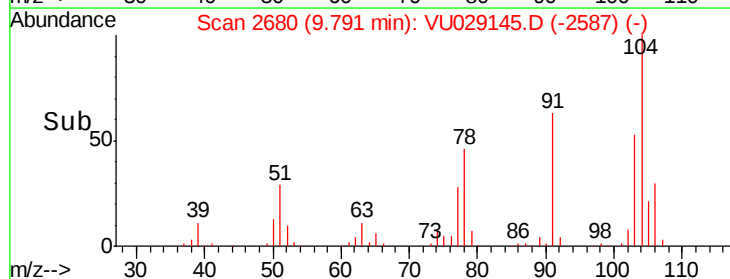
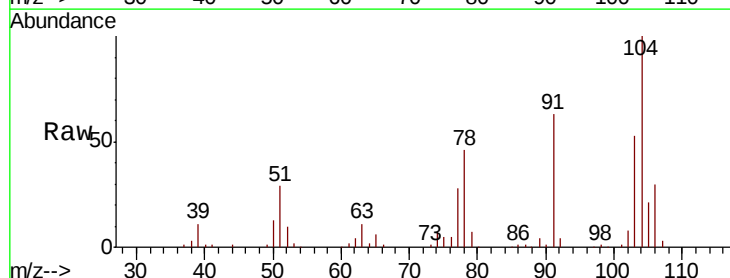
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0112WBS01

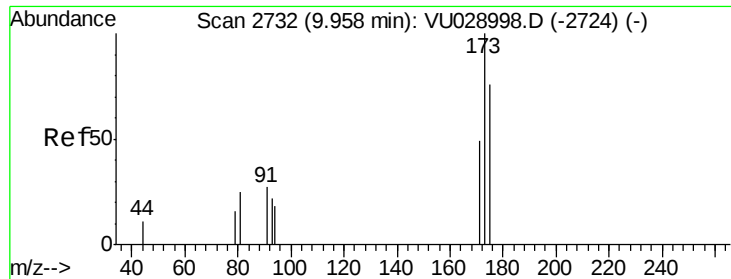
Tgt Ion:106 Resp: 66004  
Ion Ratio Lower Upper  
106 100  
91 212.3 106.1 318.3



#70  
Styrene  
Concen: 18.699 ug/l  
RT: 9.79 min Scan# 2680  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

Tgt Ion:104 Resp: 108687  
Ion Ratio Lower Upper  
104 100  
78 50.1 38.6 58.0  
103 55.4 44.5 66.7





#71

Bromoform

Concen: 19.079 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Instrument :

MSVOA\_U

ClientSampleId :

VU0112WBS01

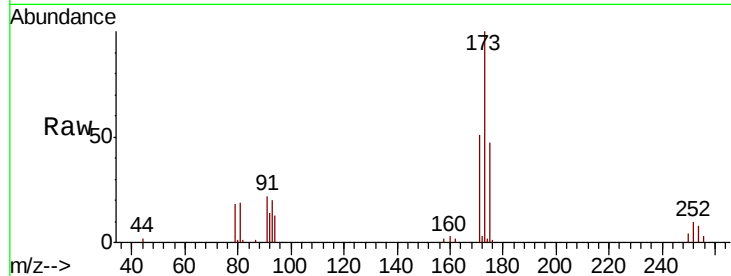
Tgt Ion:173 Resp: 31273

Ion Ratio Lower Upper

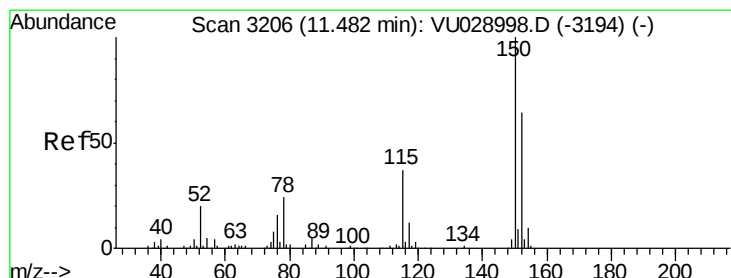
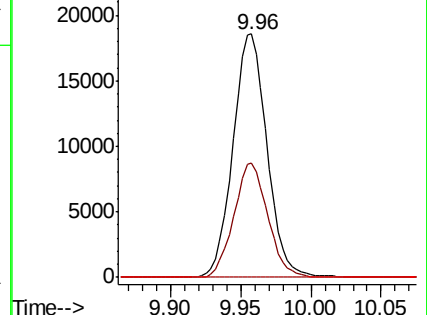
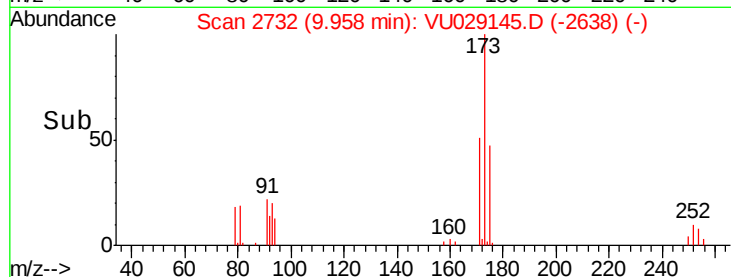
173 100

175 46.6 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: VU029145.D

Acq: 11 Jan 2019 16:41

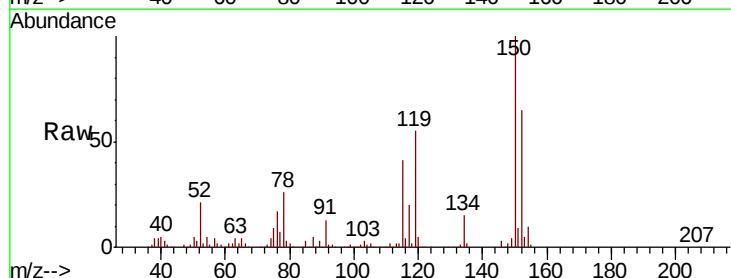
Tgt Ion:152 Resp: 127494

Ion Ratio Lower Upper

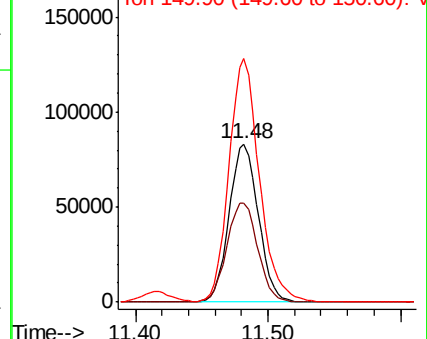
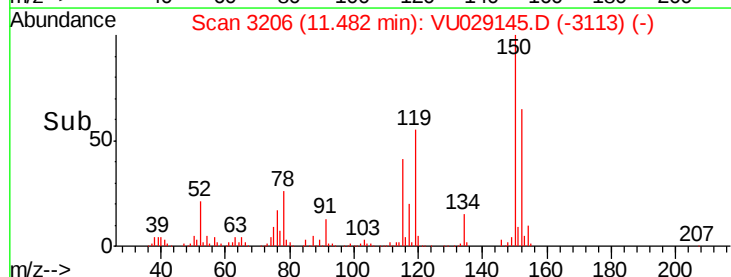
152 100

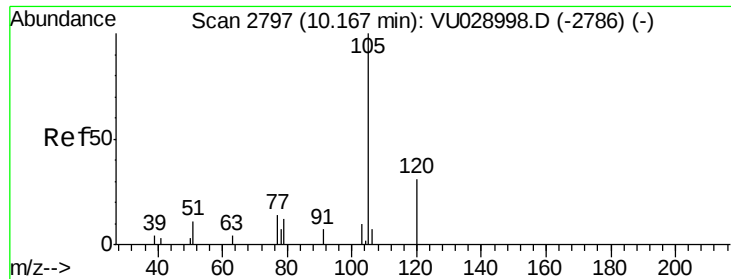
115 66.2 40.1 120.3

150 159.5 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: 18.471 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Instrument :

MSVOA\_U

ClientSampleId :

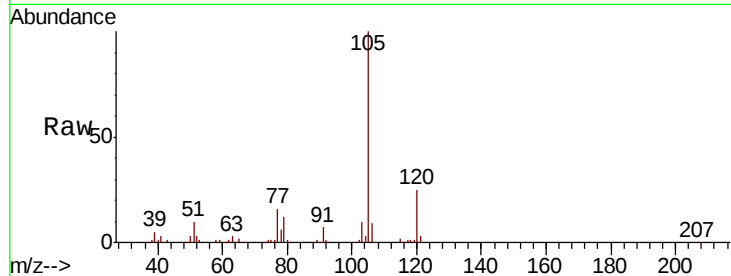
VU0112WBS01

Tgt Ion:105 Resp: 174307

Ion Ratio Lower Upper

105 100

120 26.2 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.16

120000

100000

80000

60000

40000

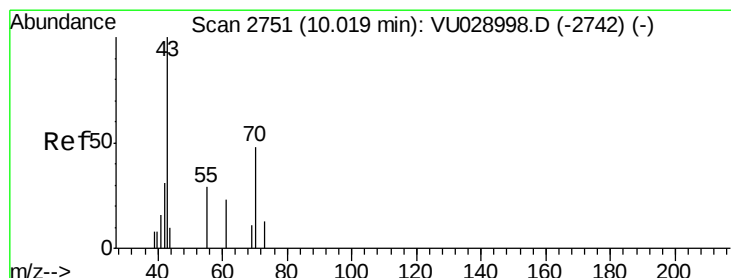
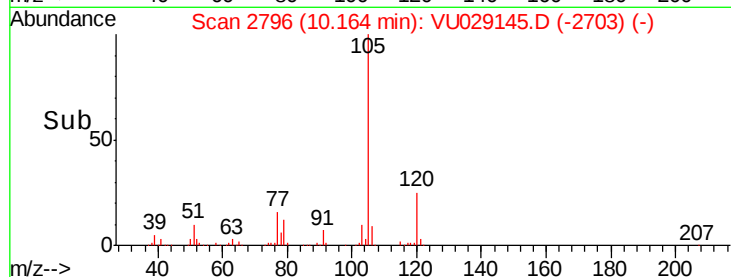
20000

0

Time-->

10.10

10.20



#74

N-ethyl acetate

Concen: 18.062 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Tgt Ion: 43 Resp: 73449

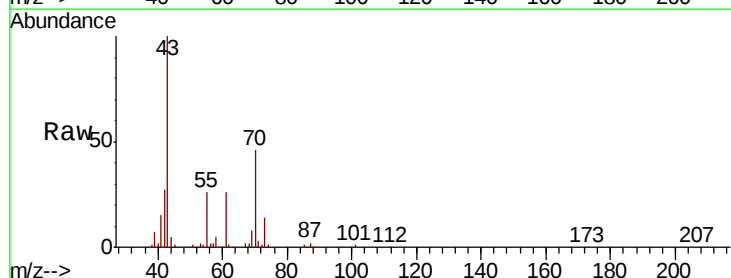
Ion Ratio Lower Upper

43 100

70 43.5 36.3 54.5

55 25.8 20.5 30.7

61 24.3 21.8 32.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

10.01

60000

40000

20000

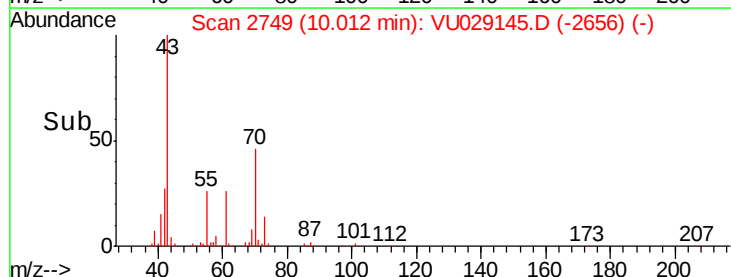
0

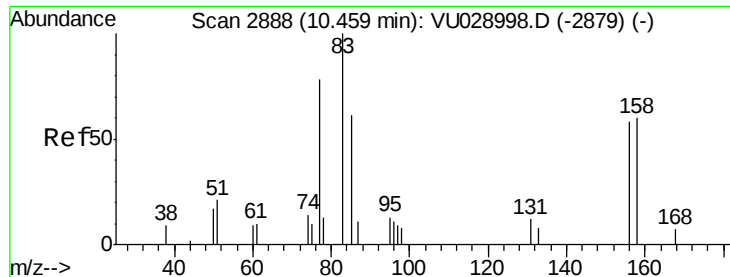
Time-->

9.90

10.00

10.10





#75

1,1,2,2-Tetrachloroethane

Concen: 18.602 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Instrument :

MSVOA\_U

ClientSampleId :

VU0112WBS01

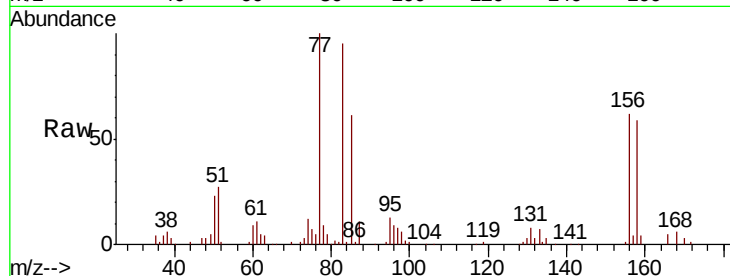
Tgt Ion: 83 Resp: 70355

Ion Ratio Lower Upper

83 100

131 8.8 4.7 14.1

85 64.0 32.0 96.2

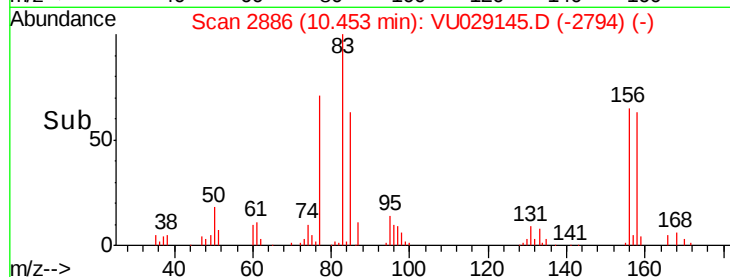


Abundance Ion 82.90 (82.60 to 83.60): VU028998.D (-2879) (-)

Ion 130.80 (130.50 to 131.50): VU028998.D (-2879) (-)

Ion 84.90 (84.60 to 85.60): VU028998.D (-2879) (-)

Time-->

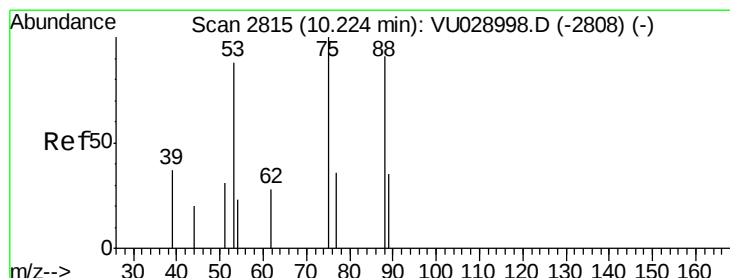


Abundance Ion 82.90 (82.60 to 83.60): VU029145.D (-2794) (-)

Ion 130.80 (130.50 to 131.50): VU029145.D (-2794) (-)

Ion 84.90 (84.60 to 85.60): VU029145.D (-2794) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 24.670 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU029145.D

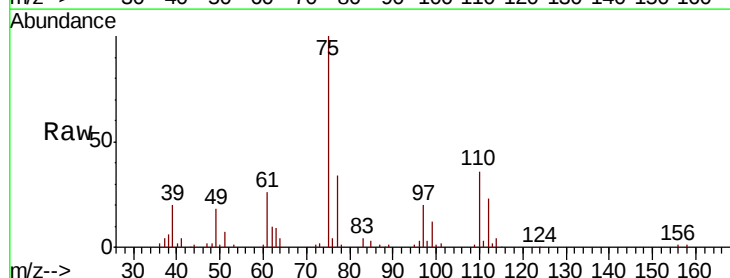
Acq: 11 Jan 2019 16:41

Tgt Ion: 75 Resp: 77065

Ion Ratio Lower Upper

75 100

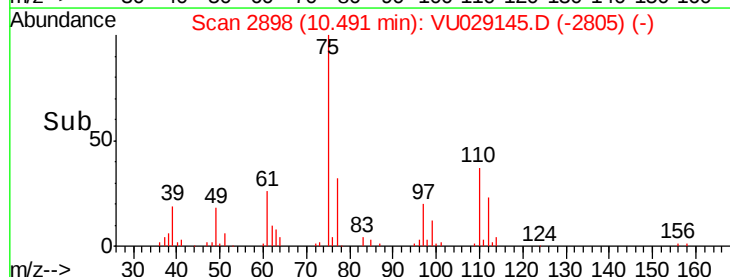
77 30.2 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VU028998.D (-2808) (-)

Ion 77.00 (76.70 to 77.70): VU028998.D (-2808) (-)

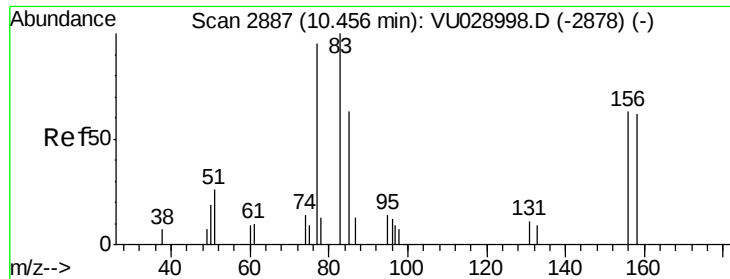
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VU029145.D (-2805) (-)

Ion 77.00 (76.70 to 77.70): VU029145.D (-2805) (-)

Time-->



#77

Bromobenzene

Concen: 18.394 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Instrument :

MSVOA\_U

ClientSampleId :

VU0112WBS01

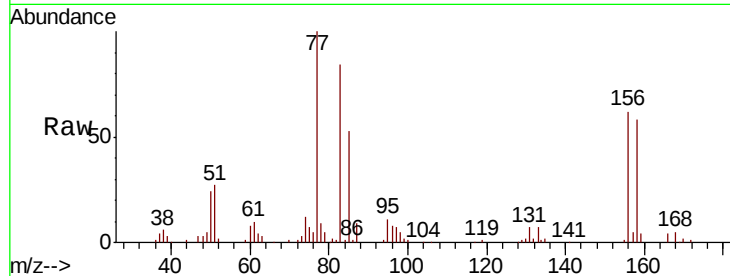
Tgt Ion:156 Resp: 45234

Ion Ratio Lower Upper

156 100

77 160.4 79.0 237.2

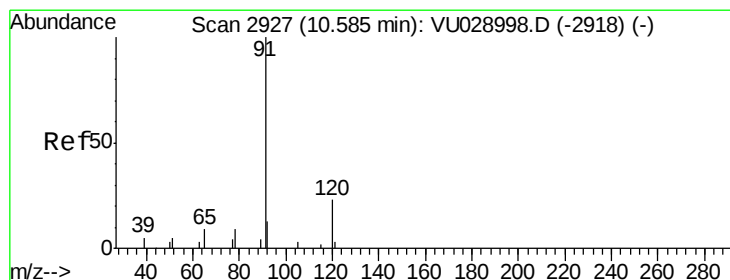
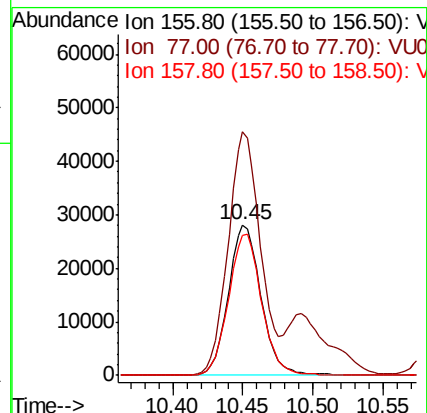
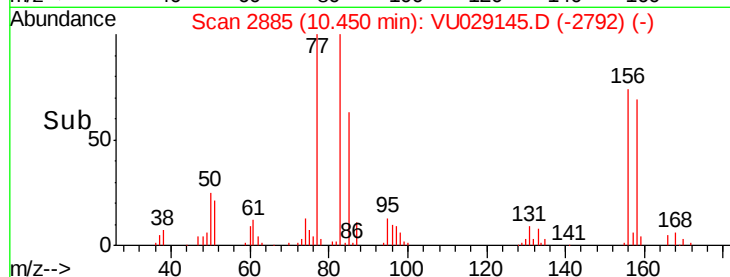
158 95.5 48.9 146.6



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: 18.827 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029145.D

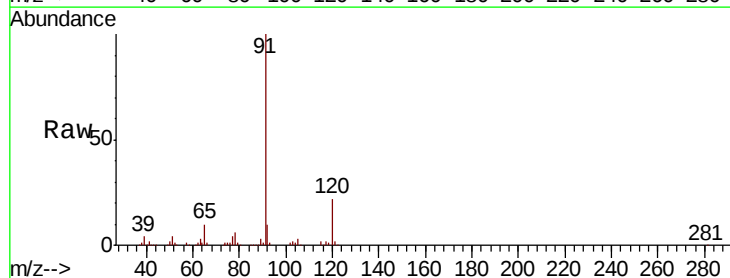
Acq: 11 Jan 2019 16:41

Tgt Ion: 91 Resp: 209377

Ion Ratio Lower Upper

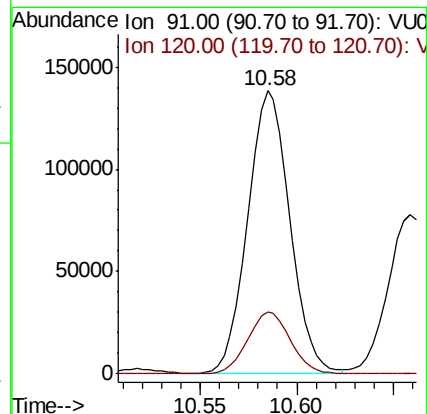
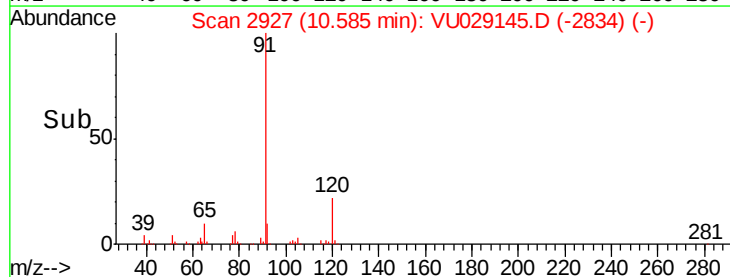
91 100

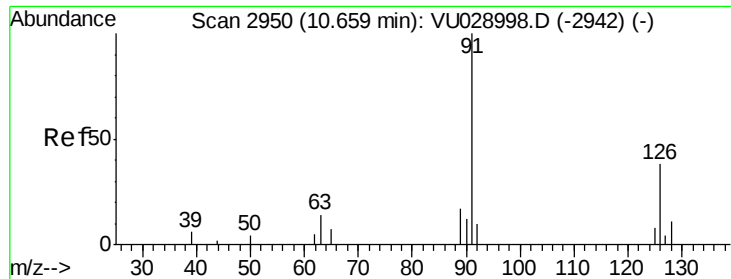
120 22.2 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

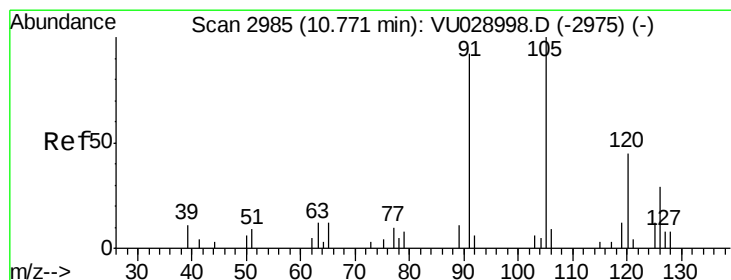
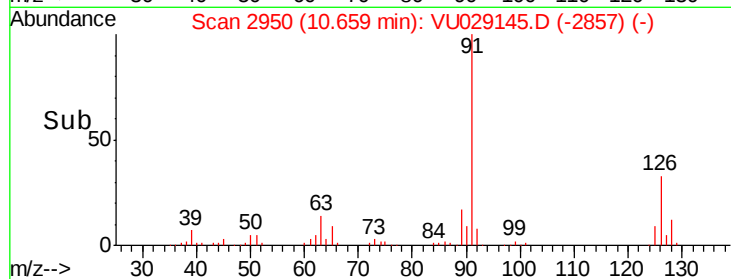
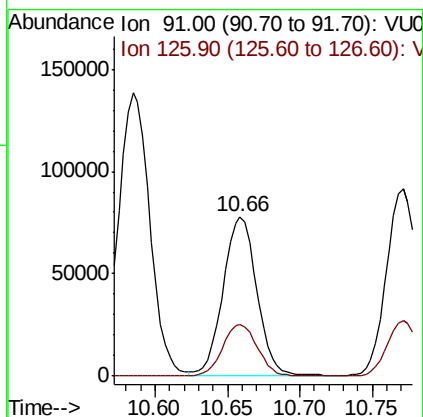
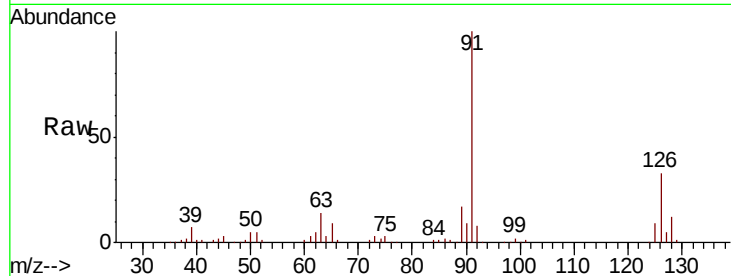




#79  
 2-Chlorotoluene  
 Concen: 18.565 ug/l  
 RT: 10.66 min Scan# 2950  
 Delta R.T. 0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

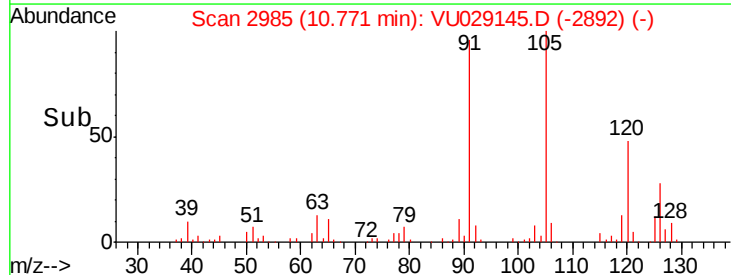
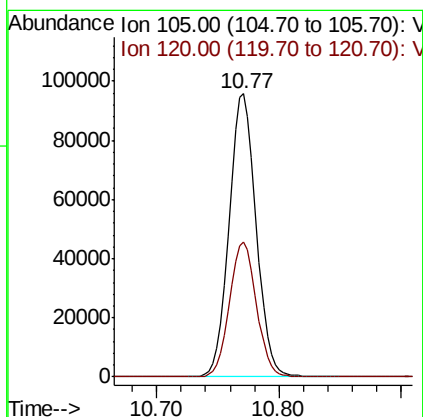
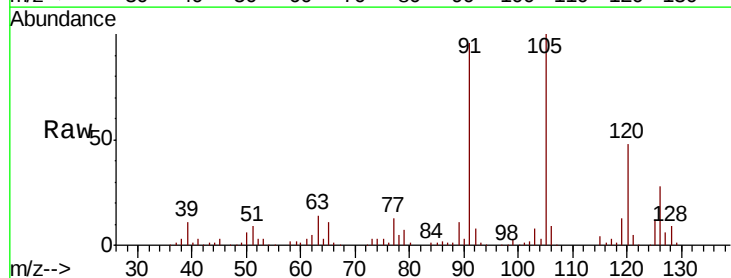
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0112WBS01

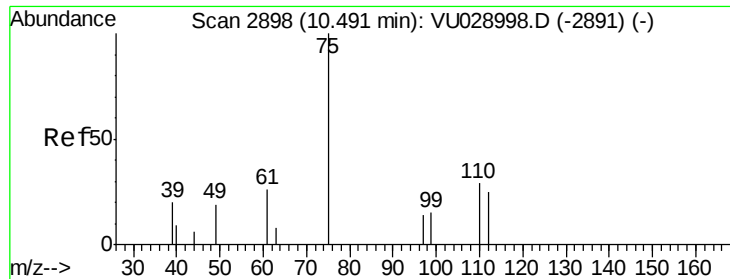
Tgt Ion: 91 Resp: 125241  
 Ion Ratio Lower Upper  
 91 100  
 126 33.5 16.8 50.4



#80  
 1,3,5-Trimethylbenzene  
 Concen: 18.776 ug/l  
 RT: 10.77 min Scan# 2985  
 Delta R.T. 0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

Tgt Ion: 105 Resp: 147966  
 Ion Ratio Lower Upper  
 105 100  
 120 47.5 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 63.626 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Instrument :

MSVOA\_U

ClientSampleId :

VU0112WBS01

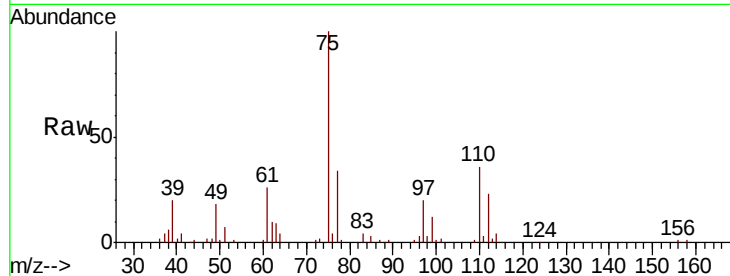
Tgt Ion: 75 Resp: 77065

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

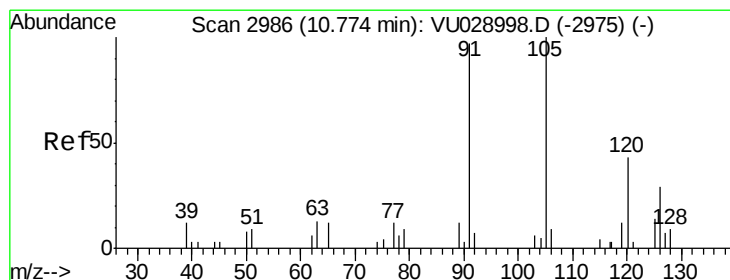
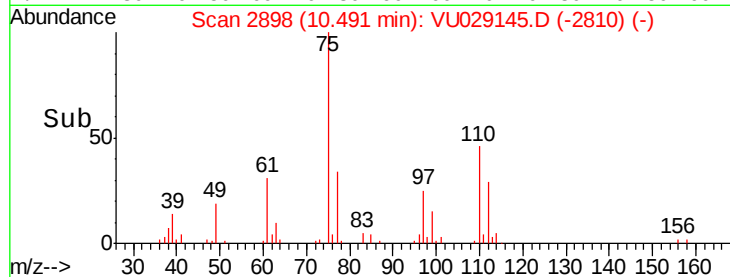
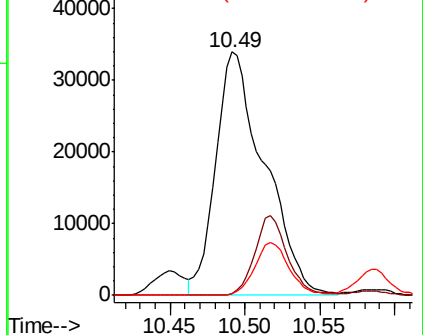
89 0.0 0.0 0.0



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: 18.404 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU029145.D

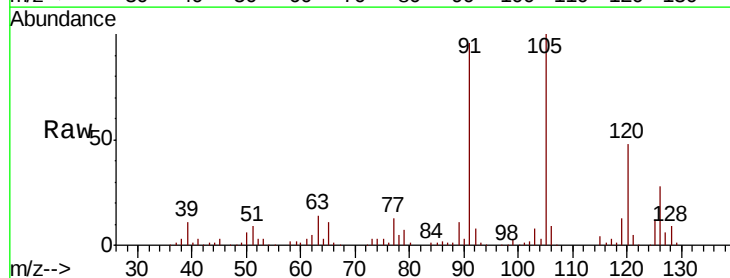
Acq: 11 Jan 2019 16:41

Tgt Ion: 91 Resp: 142369

Ion Ratio Lower Upper

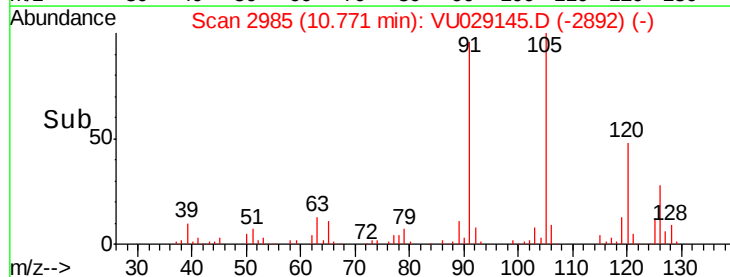
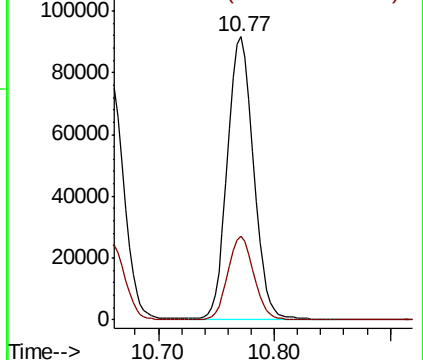
91 100

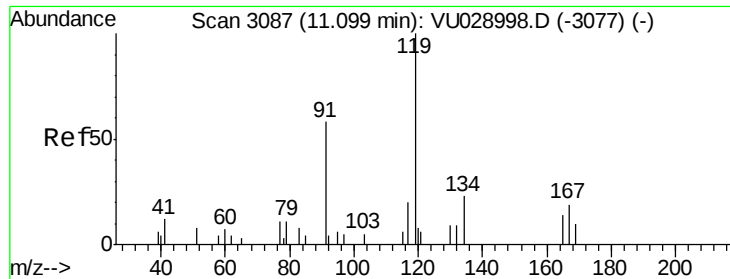
126 29.5 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

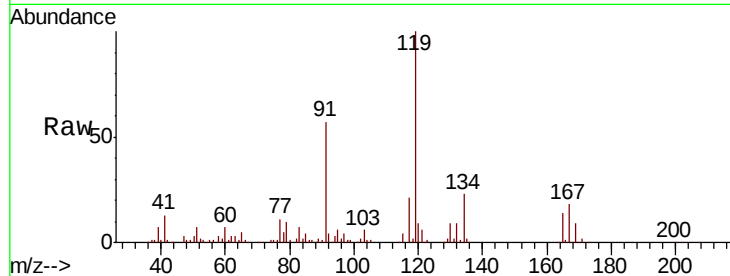




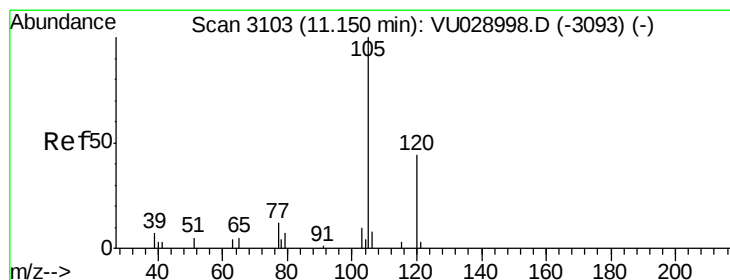
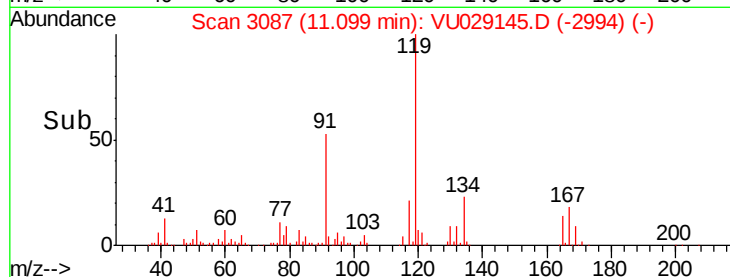
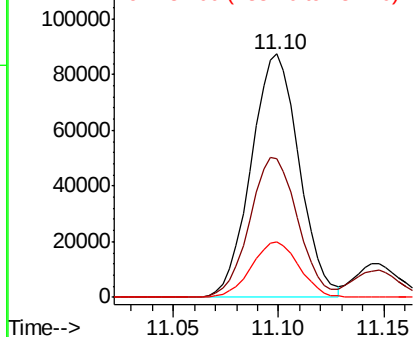
#83  
 tert-Butylbenzene  
 Concen: 17.820 ug/l  
 RT: 11.10 min Scan# 3087  
 Delta R.T. 0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0112WBS01

Tgt Ion:119 Resp: 138413  
 Ion Ratio Lower Upper  
 119 100  
 91 57.5 28.2 84.6  
 134 22.7 11.3 33.8

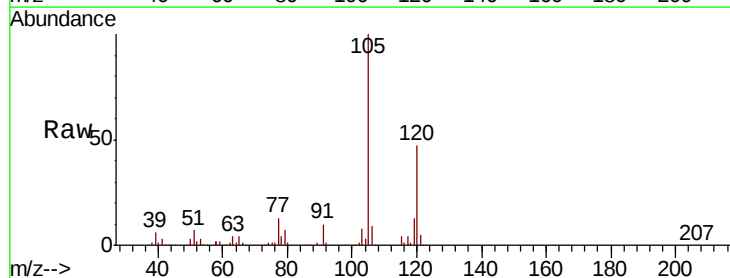


Abundance Ion 119.00 (118.70 to 119.70): V  
 Ion 91.00 (90.70 to 91.70): VU  
 Ion 134.00 (133.70 to 134.70): V

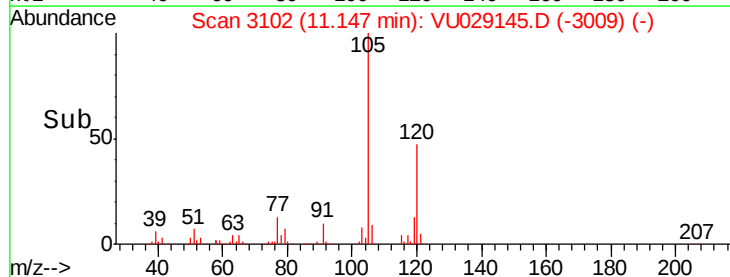
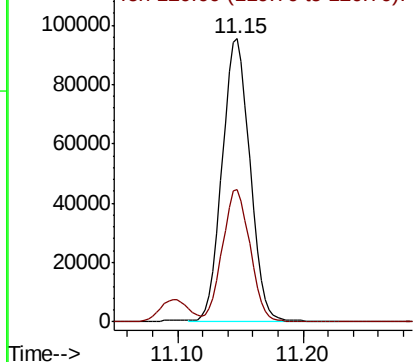


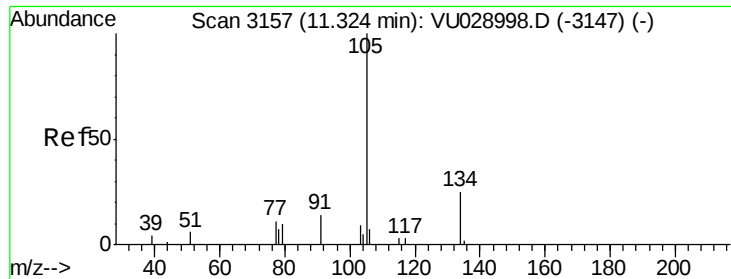
#84  
 1,2,4-Trimethylbenzene  
 Concen: 18.690 ug/l  
 RT: 11.15 min Scan# 3102  
 Delta R.T. 0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

Tgt Ion:105 Resp: 147052  
 Ion Ratio Lower Upper  
 105 100  
 120 46.2 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V  
 Ion 120.00 (119.70 to 120.70): V

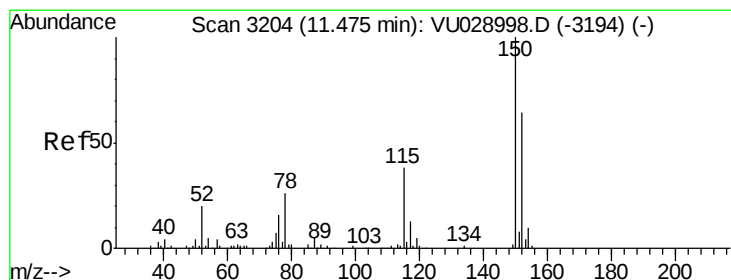
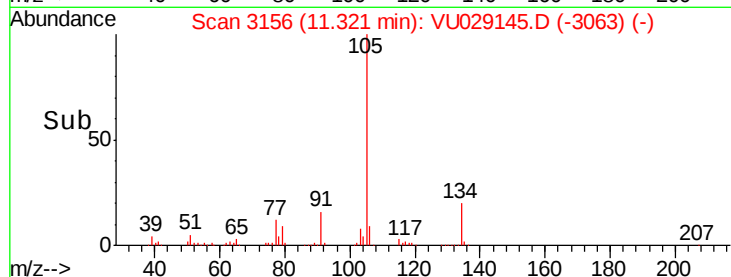
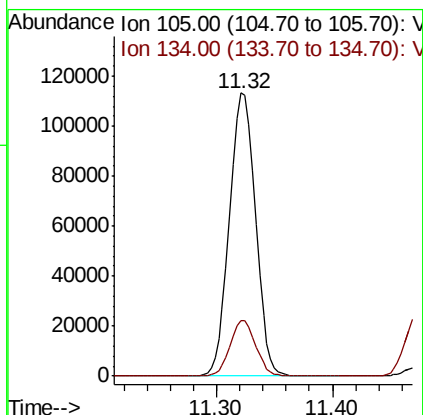
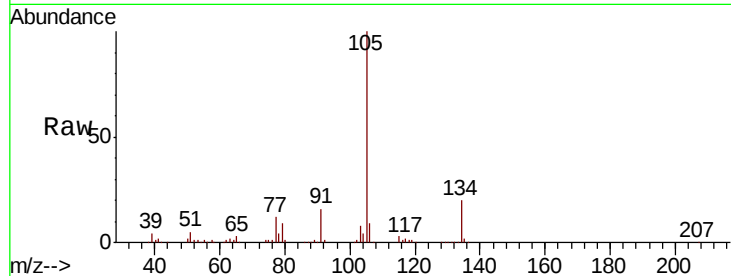




#85  
 sec-Butylbenzene  
 Concen: 18.745 ug/l  
 RT: 11.32 min Scan# 3156  
 Delta R.T. 0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

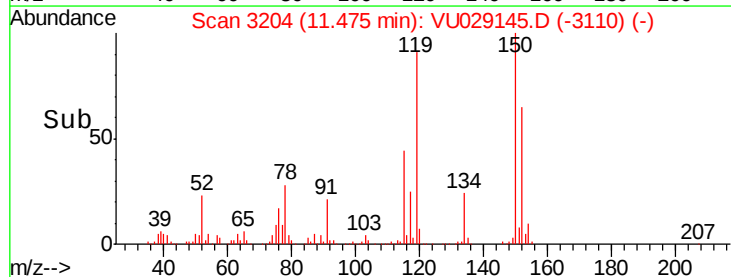
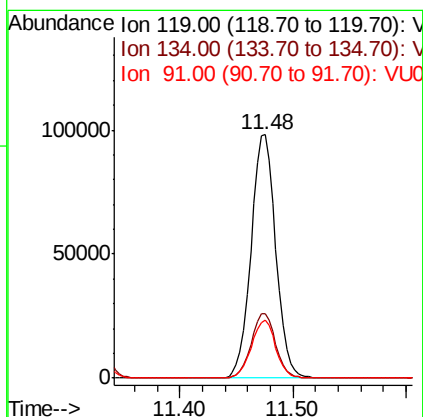
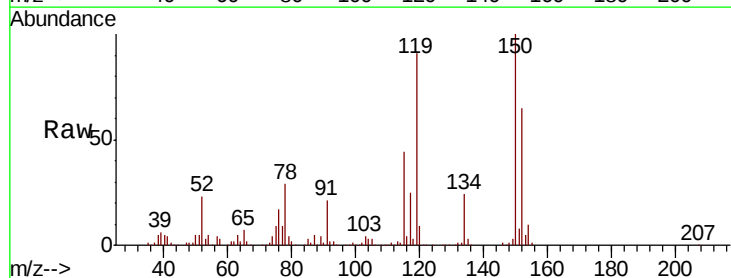
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0112WBS01

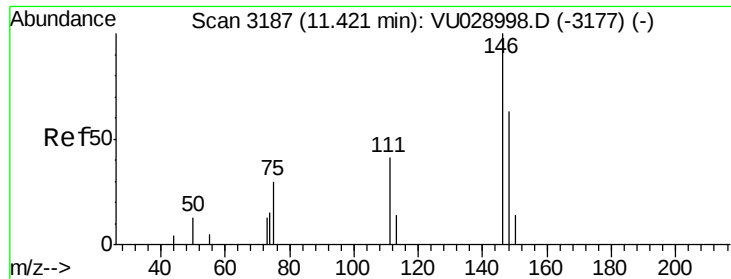
Tgt Ion:105 Resp: 176083  
 Ion Ratio Lower Upper  
 105 100  
 134 19.3 9.7 29.1



#86  
 p-Isopropyltoluene  
 Concen: 18.559 ug/l  
 RT: 11.48 min Scan# 3204  
 Delta R.T. 0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

Tgt Ion:119 Resp: 148555  
 Ion Ratio Lower Upper  
 119 100  
 134 26.3 13.5 40.4  
 91 23.5 11.3 33.8

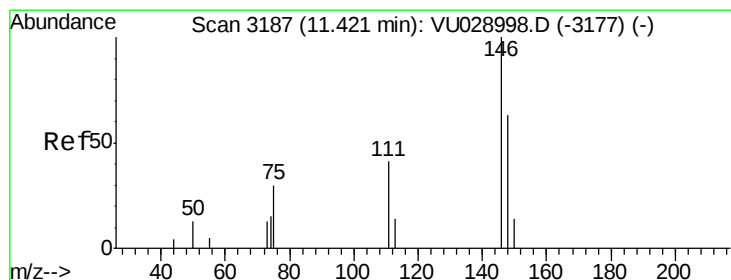
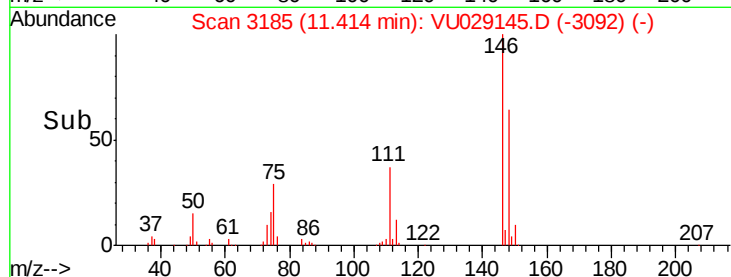
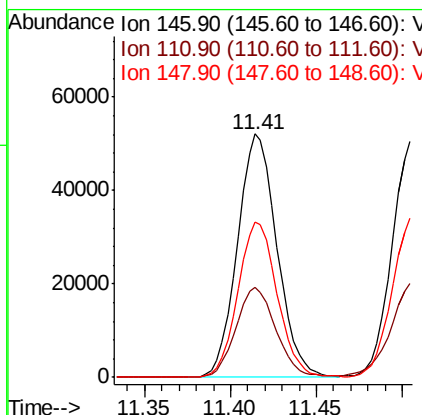
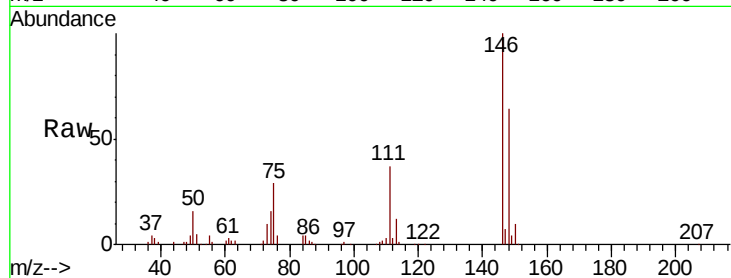




#87  
 1,3-Dichlorobenzene  
 Concen: 18.464 ug/l  
 RT: 11.41 min Scan# 3185  
 Delta R.T. 0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

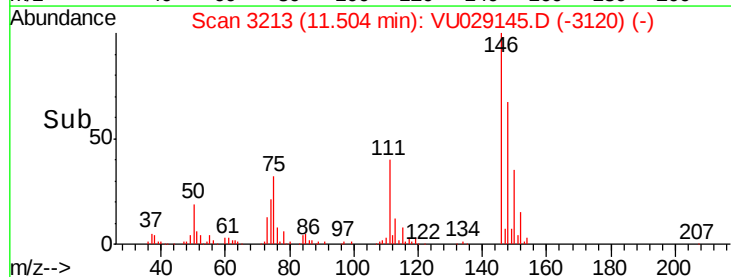
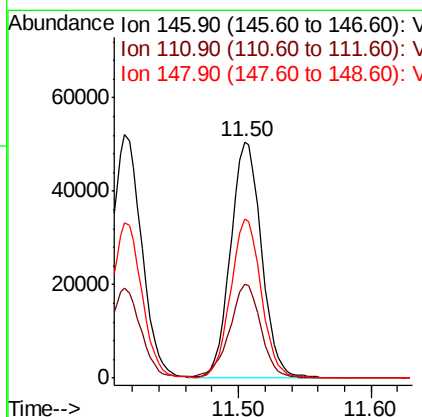
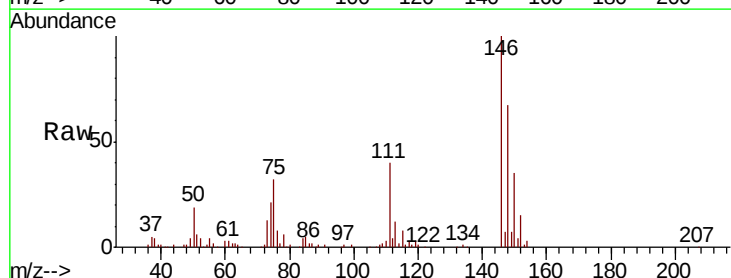
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0112WBS01

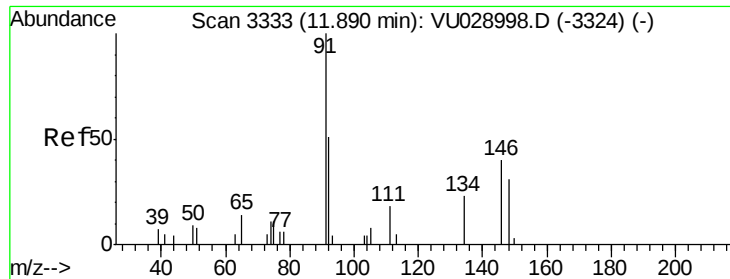
Tgt Ion:146 Resp: 83286  
 Ion Ratio Lower Upper  
 146 100  
 111 37.3 19.3 57.8  
 148 63.5 32.5 97.5



#88  
 1,4-Dichlorobenzene  
 Concen: 17.677 ug/l  
 RT: 11.50 min Scan# 3213  
 Delta R.T. 0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

Tgt Ion:146 Resp: 82305  
 Ion Ratio Lower Upper  
 146 100  
 111 40.5 19.1 57.3  
 148 66.8 32.6 98.0

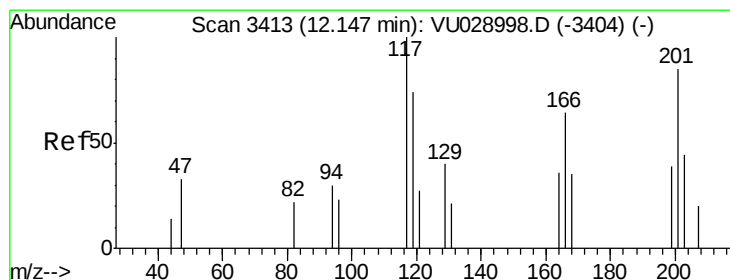
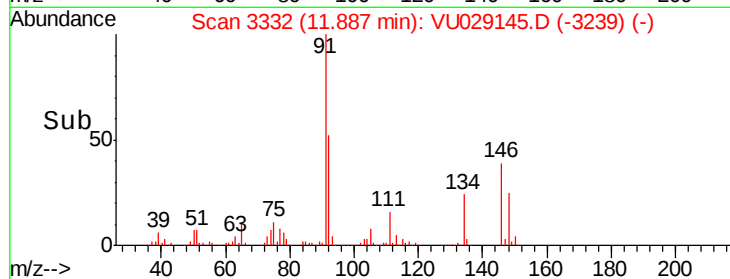
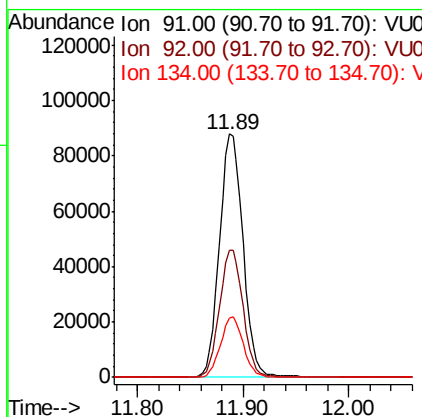
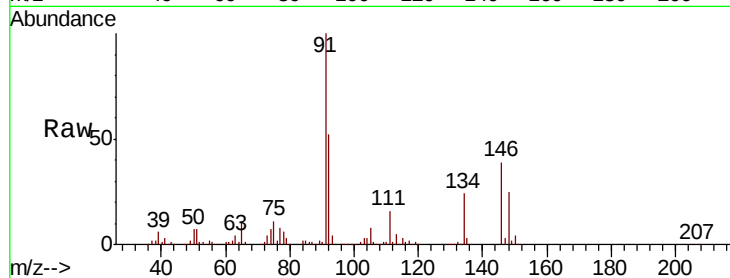




#89  
n-Butylbenzene  
Concen: 19.011 ug/l  
RT: 11.89 min Scan# 3332  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

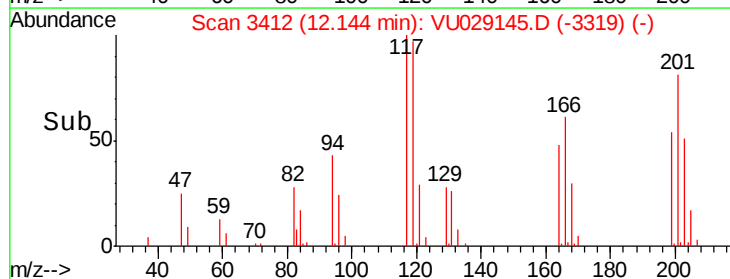
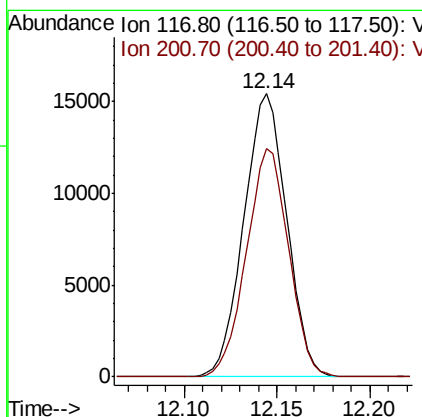
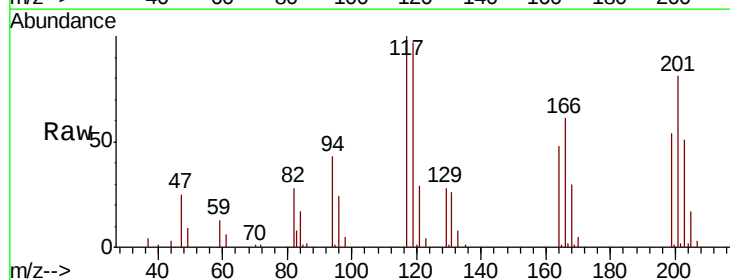
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0112WBS01

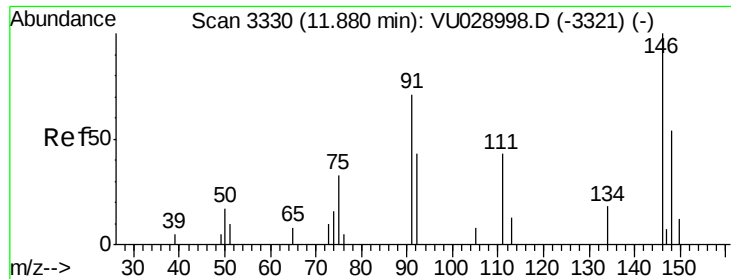
Tgt Ion: 91 Resp: 135817  
Ion Ratio Lower Upper  
91 100  
92 52.3 26.2 78.5  
134 23.9 12.6 37.6



#90  
Hexachloroethane  
Concen: 18.419 ug/l  
RT: 12.14 min Scan# 3412  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

Tgt Ion: 117 Resp: 24803  
Ion Ratio Lower Upper  
117 100  
201 79.5 42.4 127.3





#91

1,2-Dichlorobenzene

Concen: 17.807 ug/l

RT: 11.88 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Instrument :

MSVOA\_U

ClientSampleId :

VU0112WBS01

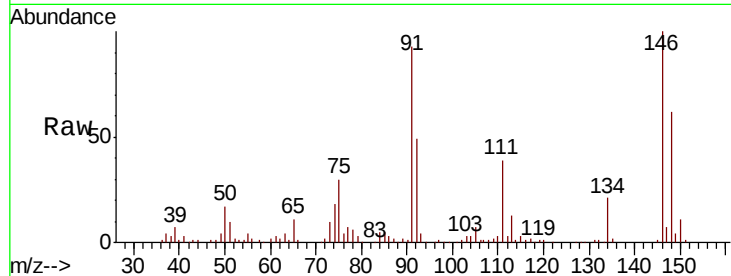
Tgt Ion:146 Resp: 80903

Ion Ratio Lower Upper

146 100

111 40.5 20.0 59.9

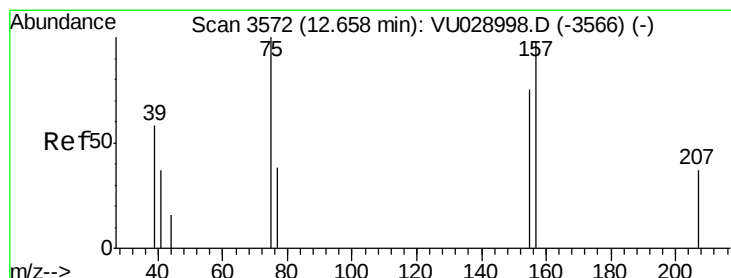
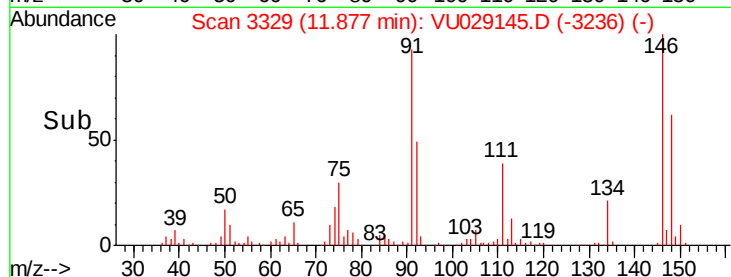
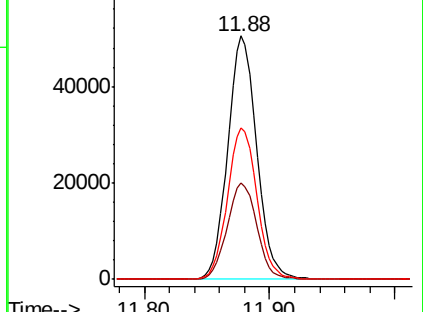
148 63.5 31.6 94.8



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: 18.393 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

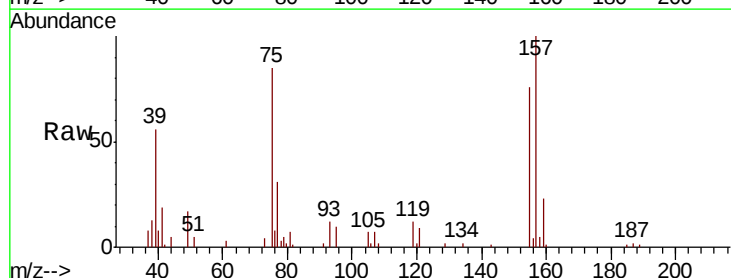
Tgt Ion: 75 Resp: 13380

Ion Ratio Lower Upper

75 100

155 86.6 46.3 138.8

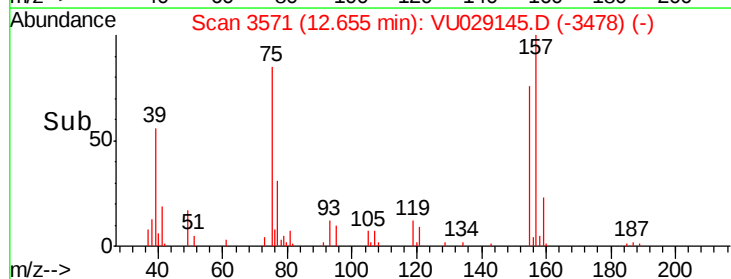
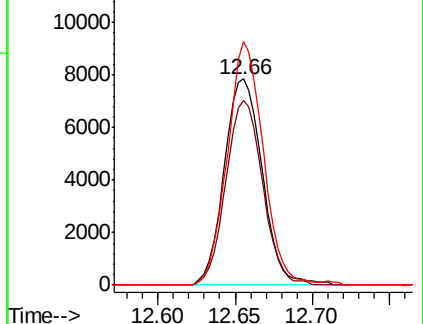
157 111.3 57.4 172.0

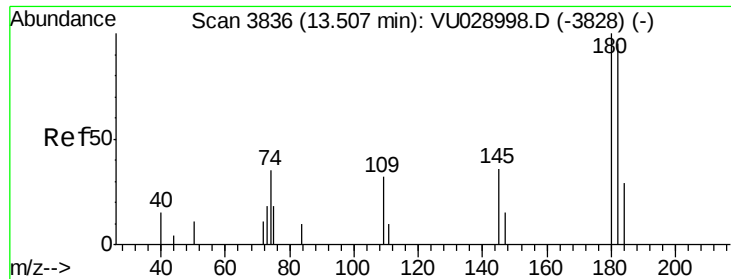


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

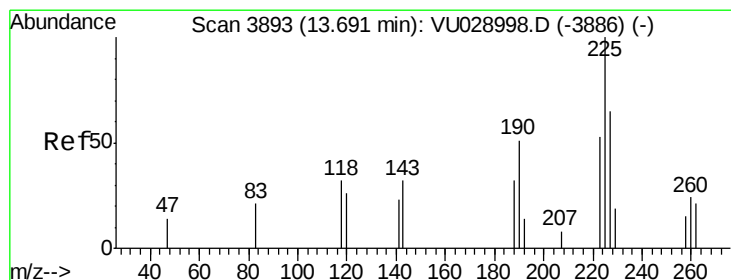
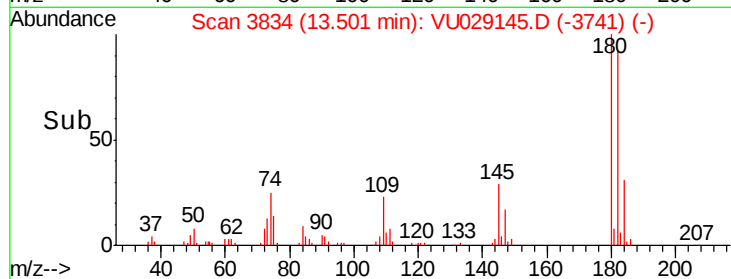
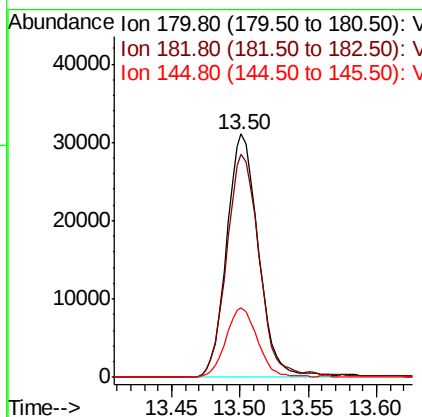
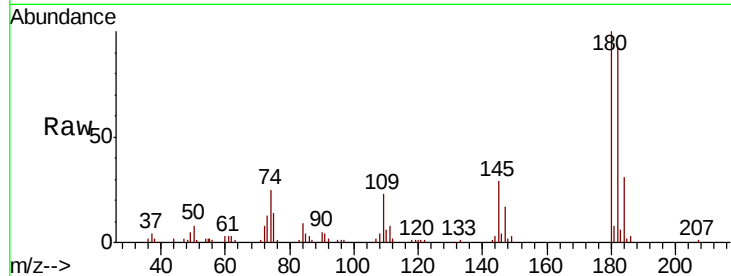




#93  
 1,2,4-Trichlorobenzene  
 Concen: 17.381 ug/l  
 RT: 13.50 min Scan# 3834  
 Delta R.T. 0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

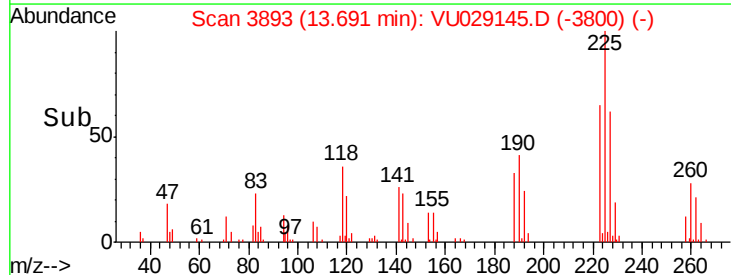
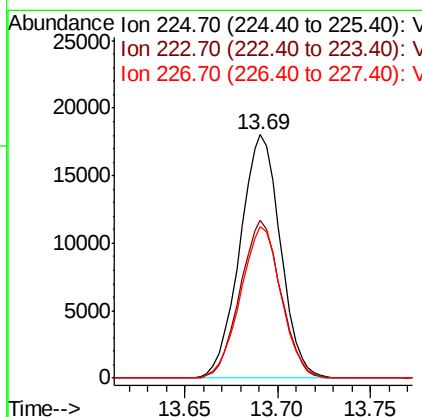
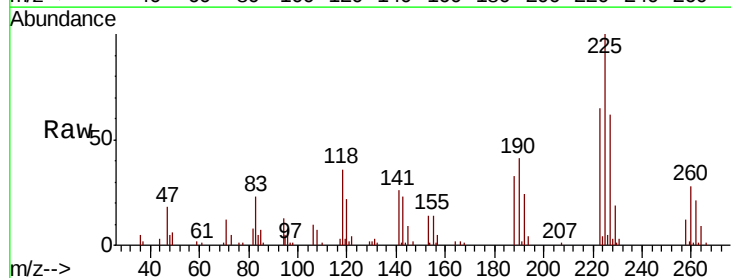
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0112WBS01

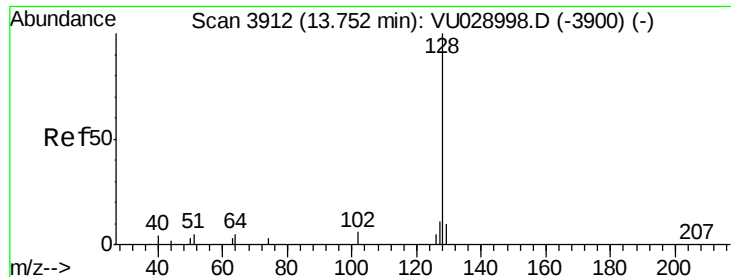
Tgt Ion:180 Resp: 50408  
 Ion Ratio Lower Upper  
 180 100  
 182 95.2 47.5 142.6  
 145 28.5 14.0 42.0



#94  
 Hexachlorobutadiene  
 Concen: 20.709 ug/l  
 RT: 13.69 min Scan# 3893  
 Delta R.T. 0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

Tgt Ion:225 Resp: 27472  
 Ion Ratio Lower Upper  
 225 100  
 223 64.6 31.4 94.0  
 227 62.5 31.9 95.5

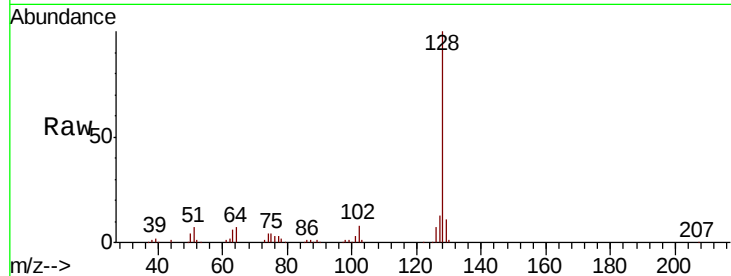




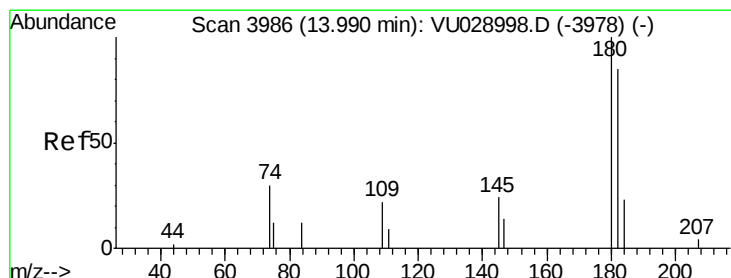
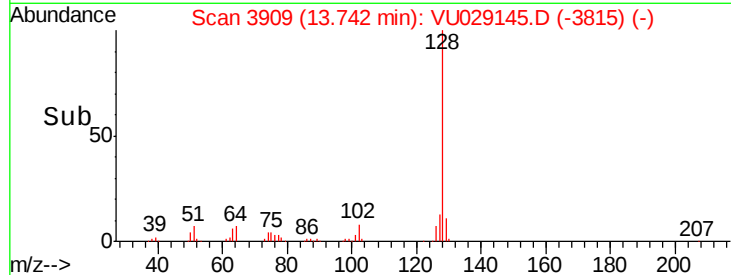
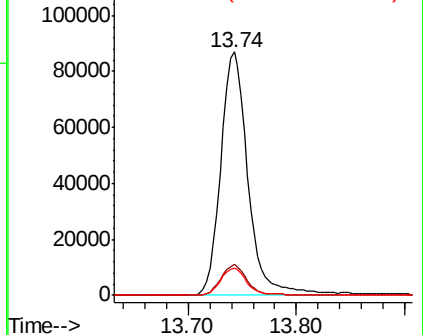
#95  
Naphthalene  
Concen: 15.521 ug/l  
RT: 13.74 min Scan# 3909  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0112WBS01

Tgt Ion:128 Resp: 153129  
Ion Ratio Lower Upper  
128 100  
127 12.5 10.1 15.1  
129 10.3 8.5 12.7

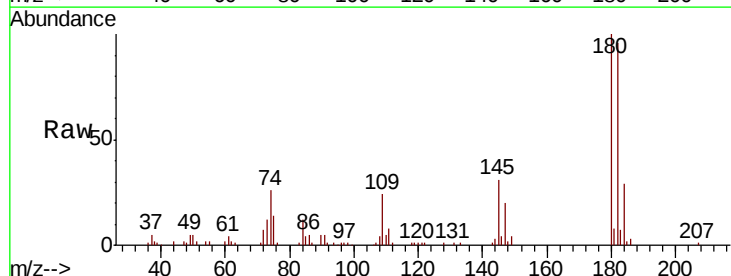


Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V



#96  
1,2,3-Trichlorobenzene  
Concen: 17.639 ug/l  
RT: 13.99 min Scan# 3985  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

Tgt Ion:180 Resp: 51143  
Ion Ratio Lower Upper  
180 100  
182 96.9 48.1 144.3  
145 30.5 14.8 44.4



Abundance Ion 179.80 (179.50 to 180.50): V  
Ion 181.80 (181.50 to 182.50): V  
Ion 144.90 (144.60 to 145.60): V

