

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112718\  
 Data File : VU028349.D  
 Acq On : 27 Nov 2018 20:38  
 Operator : MD/SY  
 Sample : VU1127WBSD01  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1127WBSD01

Quant Time: Nov 28 04:22:58 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U110218W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 02 02:28:20 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.98  | 168  | 204077   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.89  | 114  | 360249   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 329956   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 157325   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 5.31  | 65   | 185107   | 61.01 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 122.02% |          |
| 35) Dibromofluoromethane    | 4.88  | 113  | 130915   | 57.64 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 115.28% |          |
| 50) Toluene-d8              | 7.57  | 98   | 502397   | 57.26 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 114.52% |          |
| 62) 4-Bromofluorobenzene    | 10.30 | 95   | 182878   | 56.51 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 113.02% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units | Qvalue |
|-------------------------------|------|------|----------|---------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.21 | 85   | 42378    | 16.342  | ug/l  | 100    |
| 3) Chloromethane              | 1.33 | 50   | 96147    | 30.657  | ug/l  | 97     |
| 4) Vinyl Chloride             | 1.40 | 62   | 67782    | 21.776  | ug/l  | 98     |
| 5) Bromomethane               | 1.61 | 94   | 23363    | 20.533  | ug/l  | 96     |
| 6) Chloroethane               | 1.69 | 64   | 41317    | 23.034  | ug/l  | 96     |
| 7) Trichlorofluoromethane     | 1.88 | 101  | 76384    | 21.236  | ug/l  | 98     |
| 8) Diethyl Ether              | 2.10 | 74   | 36541    | 23.726  | ug/l  | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 2.28 | 101  | 45042    | 21.080  | ug/l  | 97     |
| 10) Methyl Iodide             | 2.41 | 142  | 39736    | 24.866  | ug/l  | 99     |
| 11) Tert butyl alcohol        | 2.83 | 59   | 89001    | 110.804 | ug/l  | 100    |
| 12) 1,1-Dichloroethene        | 2.28 | 96   | 45174    | 21.121  | ug/l  | 100    |
| 13) Acrolein                  | 2.20 | 56   | 16499    | 50.418  | ug/l  | 98     |
| 14) Allyl chloride            | 2.59 | 41   | 114075   | 21.822  | ug/l  | 99     |
| 15) Acrylonitrile             | 2.94 | 53   | 227406   | 115.255 | ug/l  | 99     |
| 16) Acetone                   | 2.32 | 43   | 210806   | 111.983 | ug/l  | 99     |
| 17) Carbon Disulfide          | 2.48 | 76   | 145413   | 20.800  | ug/l  | 100    |
| 18) Methyl Acetate            | 2.61 | 43   | 127870   | 24.693  | ug/l  | 100    |
| 19) Methyl tert-butyl Ether   | 3.00 | 73   | 188242   | 21.824  | ug/l  | 98     |
| 20) Methylene Chloride        | 2.70 | 84   | 69252    | 25.196  | ug/l  | 97     |
| 21) trans-1,2-Dichloroethene  | 2.98 | 96   | 50663    | 20.525  | ug/l  | 96     |
| 22) Diisopropyl ether         | 3.57 | 45   | 243375   | 22.551  | ug/l  | 99     |
| 23) Vinyl Acetate             | 3.52 | 43   | 994500   | 107.223 | ug/l  | 99     |
| 24) 1,1-Dichloroethane        | 3.44 | 63   | 118339   | 22.014  | ug/l  | 98     |
| 25) 2-Butanone                | 4.26 | 43   | 339397   | 113.327 | ug/l  | 99     |
| 26) 2,2-Dichloropropane       | 4.22 | 77   | 88358    | 21.903  | ug/l  | 99     |
| 27) cis-1,2-Dichloroethene    | 4.22 | 96   | 59324    | 21.433  | ug/l  | 96     |
| 28) Bromochloromethane        | 4.55 | 49   | 66587    | 26.423  | ug/l  | 94     |
| 29) Tetrahydrofuran           | 4.64 | 42   | 217595   | 108.809 | ug/l  | 99     |
| 30) Chloroform                | 4.67 | 83   | 106467   | 21.601  | ug/l  | 96     |
| 31) Cyclohexane               | 5.00 | 56   | 112901   | 20.402  | ug/l  | 99     |
| 32) 1,1,1-Trichloroethane     | 4.92 | 97   | 85431    | 21.774  | ug/l  | 97     |
| 36) 1,1-Dichloropropene       | 5.14 | 75   | 78124    | 20.706  | ug/l  | 98     |
| 37) Ethyl Acetate             | 4.38 | 43   | 115895   | 20.964  | ug/l  | 98     |
| 38) Carbon Tetrachloride      | 5.13 | 117  | 68084    | 20.362  | ug/l  | 99     |

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 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1127WBSD01

Quant Time: Nov 28 04:22:58 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U110218W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 02 02:28:20 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 6.41  | 83   | 87496    | 19.227  | ug/l   | 96       |
| 40) Benzene                    | 5.39  | 78   | 243871   | 21.141  | ug/l   | 99       |
| 41) Methacrylonitrile          | 4.54  | 41   | 68721    | 23.293  | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 5.40  | 62   | 90699    | 22.120  | ug/l   | 97       |
| 43) Isopropyl Acetate          | 5.55  | 43   | 187577   | 21.657  | ug/l   | 99       |
| 44) Trichloroethene            | 6.19  | 130  | 52652    | 21.234  | ug/l   | 95       |
| 45) 1,2-Dichloropropane        | 6.43  | 63   | 72650    | 21.838  | ug/l   | 100      |
| 46) Dibromomethane             | 6.56  | 93   | 41970    | 21.948  | ug/l   | 94       |
| 47) Bromodichloromethane       | 6.76  | 83   | 84085    | 22.817  | ug/l   | 96       |
| 48) Methyl methacrylate        | 6.62  | 41   | 96801    | 22.807  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 6.61  | 88   | 34710    | 501.249 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 7.46  | 43   | 625124   | 108.074 | ug/l   | 99       |
| 52) Toluene                    | 7.64  | 92   | 140229   | 20.678  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 7.88  | 75   | 97180    | 21.908  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 7.27  | 75   | 102470   | 22.556  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 8.07  | 97   | 58232    | 21.106  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 8.02  | 69   | 100151   | 20.583  | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 8.24  | 76   | 108318   | 21.552  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 7.13  | 63   | 277280   | 106.404 | ug/l   | 98       |
| 59) 2-Hexanone                 | 8.36  | 43   | 489678   | 109.457 | ug/l   | 97       |
| 60) Dibromochloromethane       | 8.48  | 129  | 55188    | 21.138  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 8.58  | 107  | 60681    | 20.698  | ug/l   | 99       |
| 64) Tetrachloroethene          | 8.23  | 164  | 45814    | 21.413  | ug/l   | 97       |
| 65) Chlorobenzene              | 9.12  | 112  | 144527   | 20.732  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 9.21  | 131  | 47896    | 20.115  | ug/l   | 96       |
| 67) Ethyl Benzene              | 9.25  | 91   | 270375   | 21.071  | ug/l   | 98       |
| 68) m/p-Xylenes                | 9.37  | 106  | 191080   | 41.041  | ug/l   | 94       |
| 69) o-Xylene                   | 9.78  | 106  | 95911    | 20.401  | ug/l   | 99       |
| 70) Styrene                    | 9.79  | 104  | 155960   | 20.762  | ug/l   | 99       |
| 71) Bromoform                  | 9.96  | 173  | 41317    | 20.705  | ug/l # | 99       |
| 73) Isopropylbenzene           | 10.16 | 105  | 253453   | 20.796  | ug/l   | 98       |
| 74) N-amyl acetate             | 10.01 | 43   | 160676   | 21.802  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 108067   | 21.982  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 10.49 | 75   | 127061   | 29.526  | ug/l   | 81       |
| 77) Bromobenzene               | 10.45 | 156  | 56897    | 20.359  | ug/l   | 89       |
| 78) n-propylbenzene            | 10.58 | 91   | 311005   | 21.318  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 10.66 | 91   | 187025   | 21.388  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene     | 10.77 | 105  | 212804   | 21.078  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 10.49 | 75   | 127061   | 73.597  | ug/l # | 100      |
| 82) 4-Chlorotoluene            | 10.77 | 91   | 210481   | 21.202  | ug/l   | 97       |
| 83) tert-Butylbenzene          | 11.10 | 119  | 201996   | 20.013  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene     | 11.15 | 105  | 217456   | 21.389  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 11.32 | 105  | 257512   | 20.978  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 11.48 | 119  | 208345   | 20.303  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 11.41 | 146  | 104760   | 20.292  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 11.51 | 146  | 105473   | 19.933  | ug/l   | 98       |
| 89) n-Butylbenzene             | 11.89 | 91   | 203367   | 20.853  | ug/l   | 97       |
| 90) Hexachloroethane           | 12.14 | 117  | 30124    | 16.489  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 11.88 | 146  | 107651   | 20.735  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.66 | 75   | 23809    | 22.984  | ug/l   | 90       |

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Sample : VU1127WBSD01  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1127WBSD01

Quant Time: Nov 28 04:22:58 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U110218W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 02 02:28:20 2018  
Response via : Initial Calibration

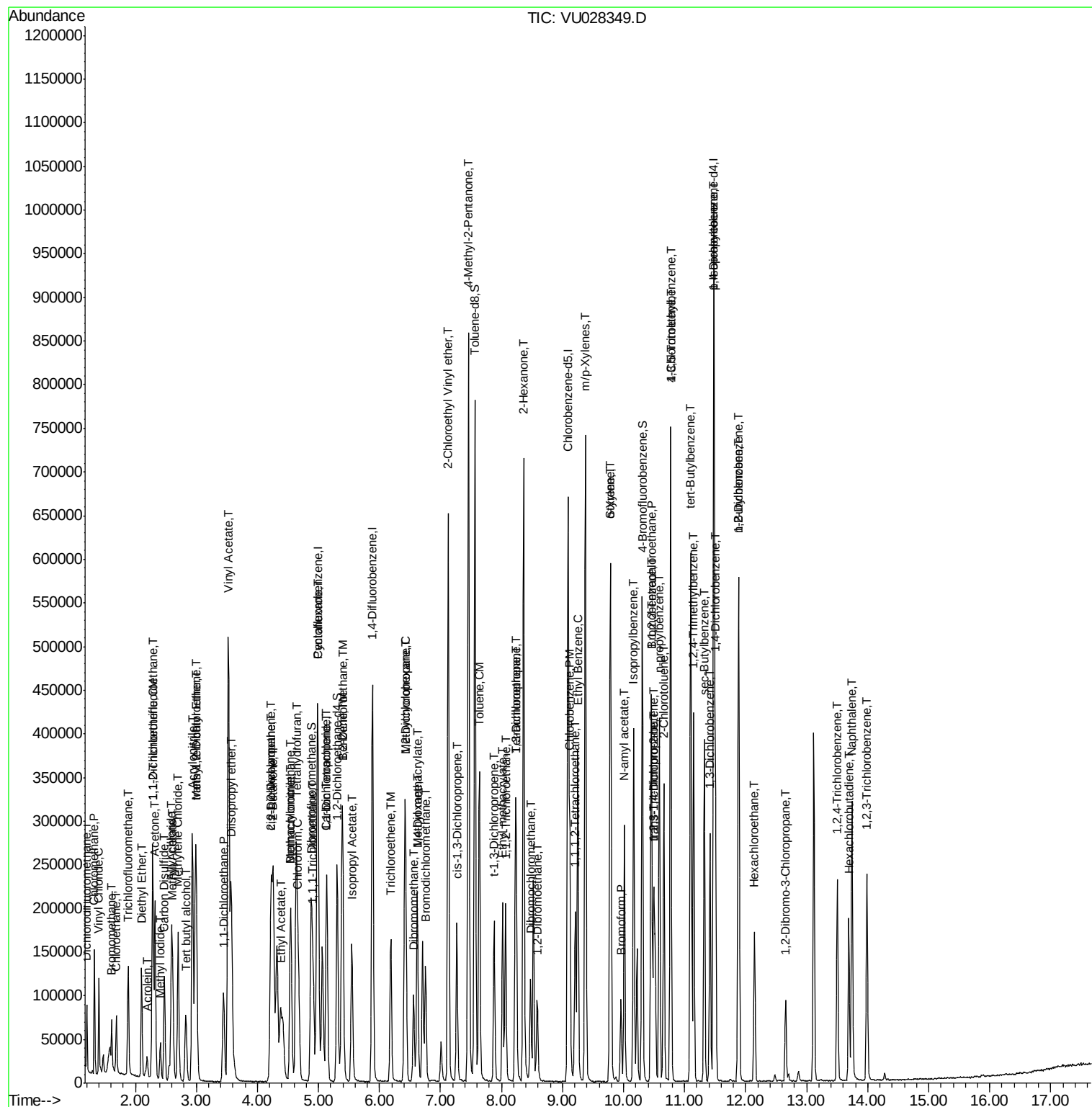
| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.50 | 180  | 65135    | 18.329 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 13.69 | 225  | 31474    | 19.075 | ug/l  | 97       |
| 95) Naphthalene            | 13.74 | 128  | 245839   | 18.937 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 13.99 | 180  | 69742    | 20.019 | ug/l  | 99       |

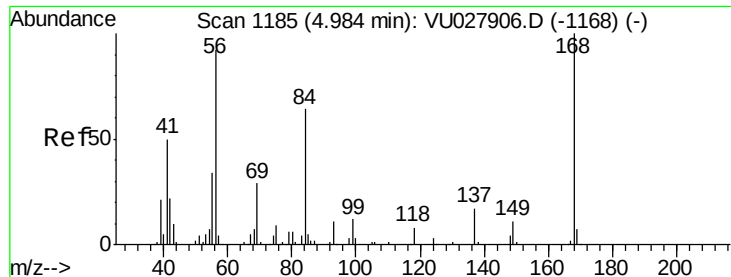
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028349.D

Acq: 27 Nov 2018 20:38

Instrument :

MSVOA\_U

ClientSampleId :

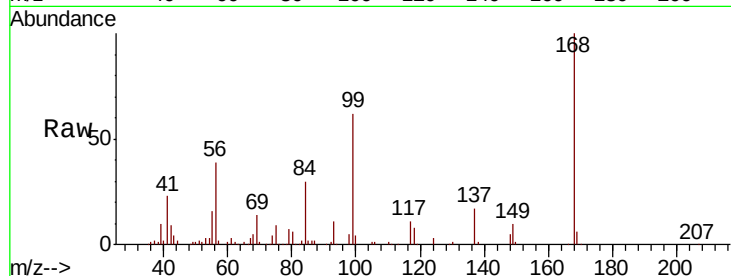
VU1127WBSD01

Tot Ion:168 Resp: 204077

Ion Ratio Lower Upper

168 100

99 61.9 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU027906.D (-1168) (-)

4.98

100000

80000

60000

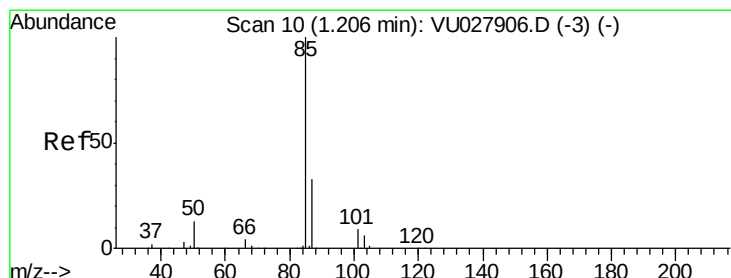
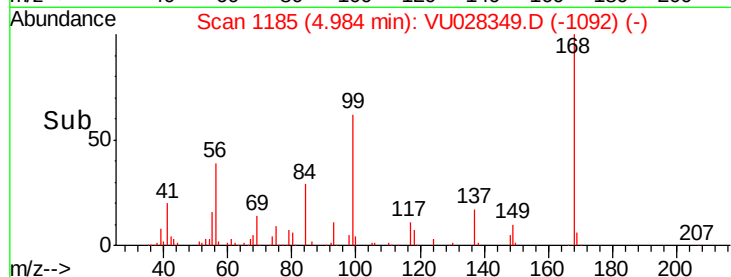
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 16.342 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028349.D

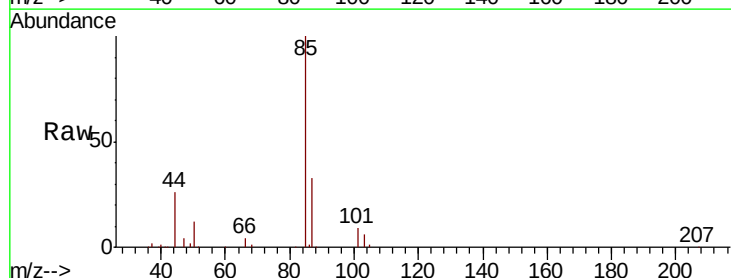
Acq: 27 Nov 2018 20:38

Tgt Ion: 85 Resp: 42378

Ion Ratio Lower Upper

85 100

87 33.2 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU027906.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU027906.D (-3) (-)

1.21

50000

40000

30000

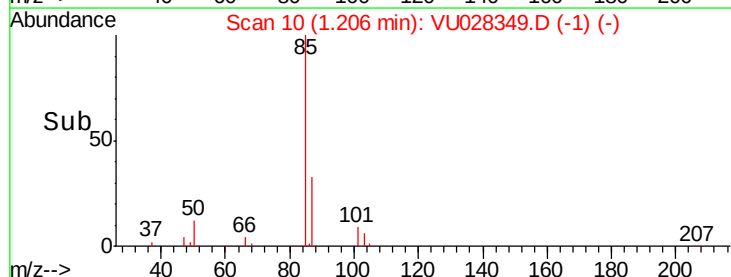
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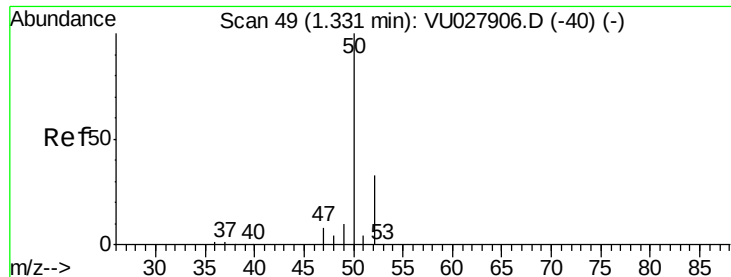
10000

0

1.20 1.25

Time-->





#3

Chloromethane

Concen: 30.657 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028349.D

Acq: 27 Nov 2018 20:38

Instrument :

MSVOA\_U

ClientSampleId :

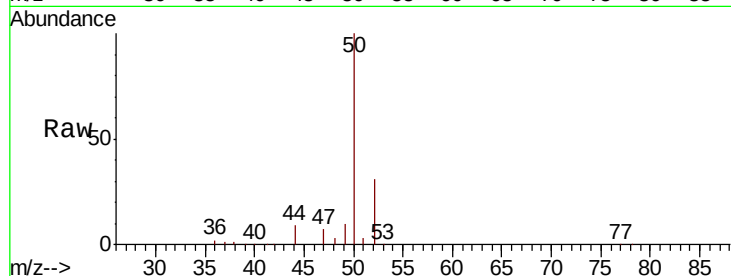
VU1127WBSD01

Tot Ion: 50 Resp: 96147

Ion Ratio Lower Upper

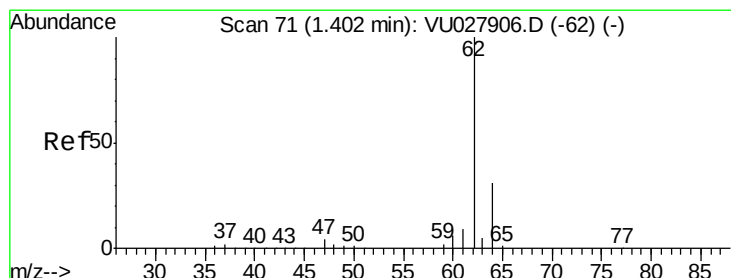
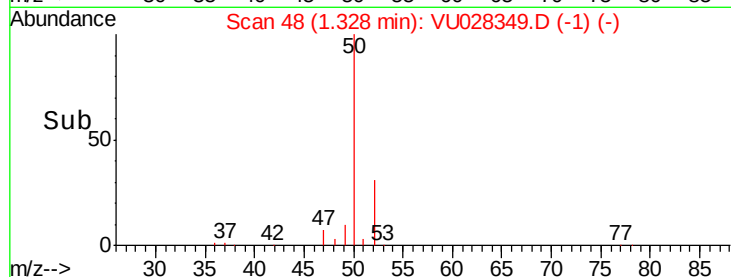
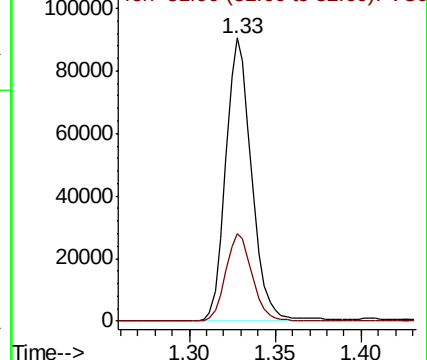
50 100

52 30.9 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VU027906.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU028349.D (-1) (-)



#4

Vinyl Chloride

Concen: 21.776 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028349.D

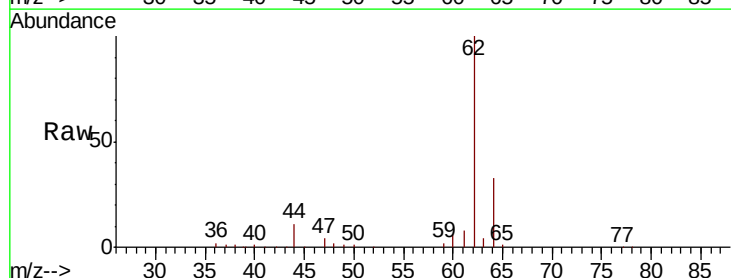
Acq: 27 Nov 2018 20:38

Tgt Ion: 62 Resp: 67782

Ion Ratio Lower Upper

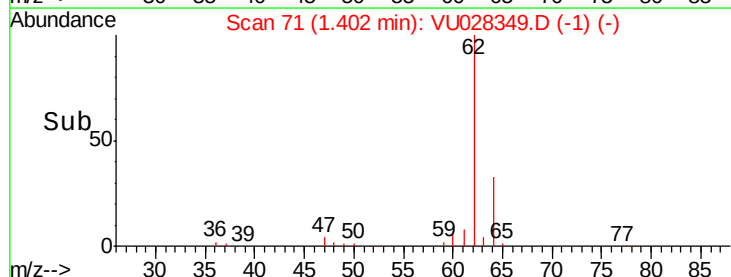
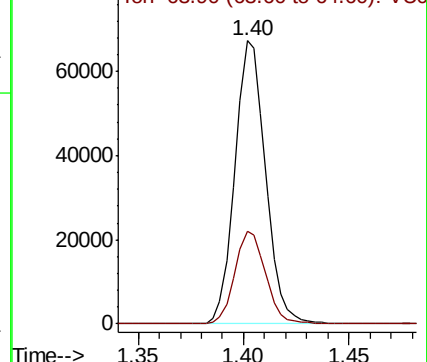
62 100

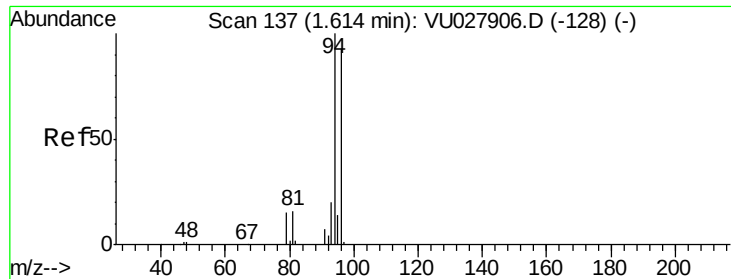
64 32.6 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VU027906.D (-62) (-)

Ion 63.90 (63.60 to 64.60): VU028349.D (-1) (-)





#5

Bromomethane

Concen: 20.533 ug/l

RT: 1.61 min Scan# 136

Delta R.T. -0.00 min

Lab File: VU028349.D

Acq: 27 Nov 2018 20:38

Instrument :

MSVOA\_U

ClientSampleId :

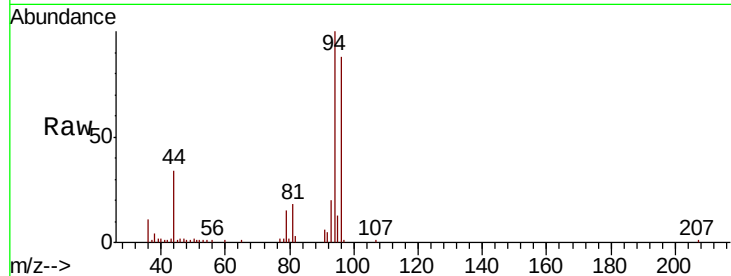
VU1127WBSD01

Tot Ion: 94 Resp: 23363

Ion Ratio Lower Upper

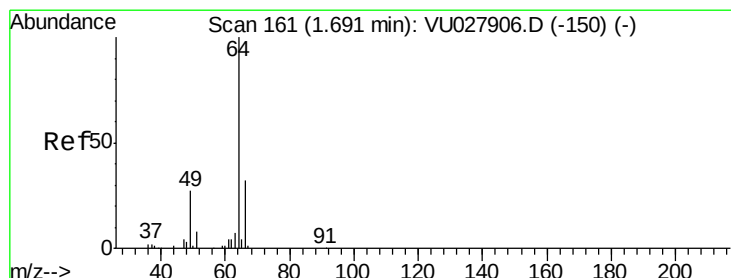
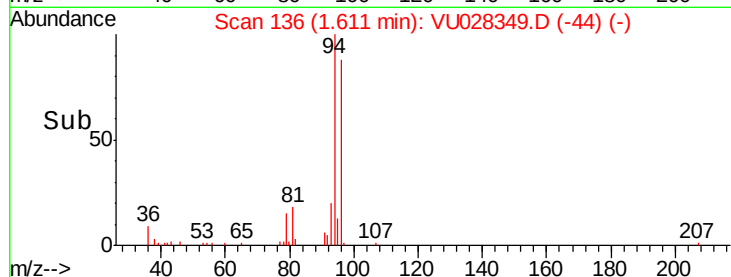
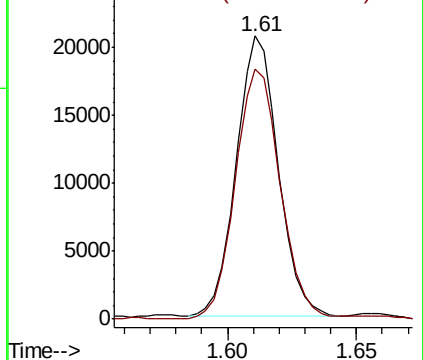
94 100

96 89.4 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 23.034 ug/l

RT: 1.69 min Scan# 160

Delta R.T. -0.00 min

Lab File: VU028349.D

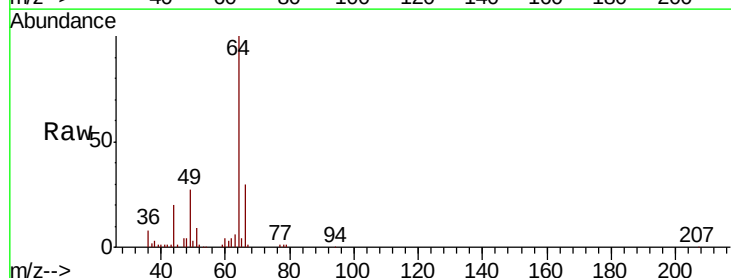
Acq: 27 Nov 2018 20:38

Tgt Ion: 64 Resp: 41317

Ion Ratio Lower Upper

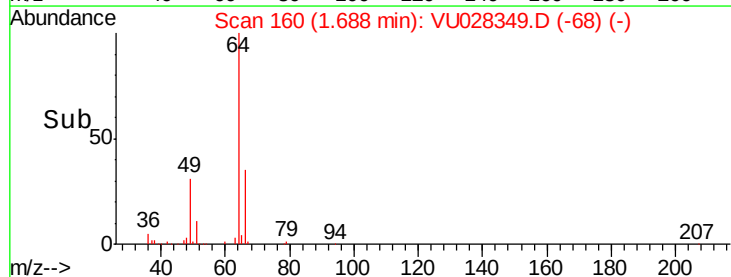
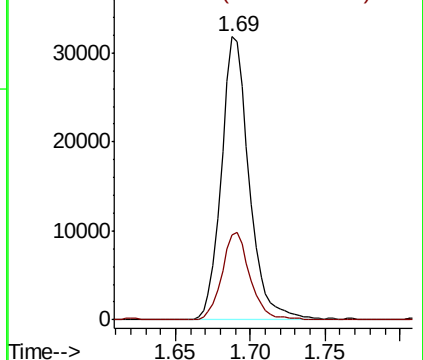
64 100

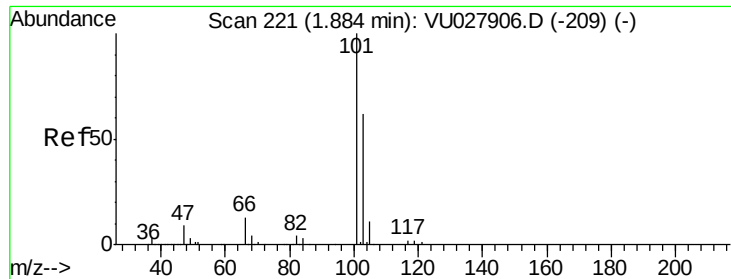
66 30.2 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



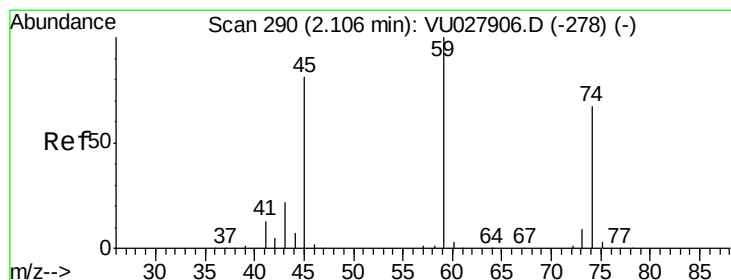
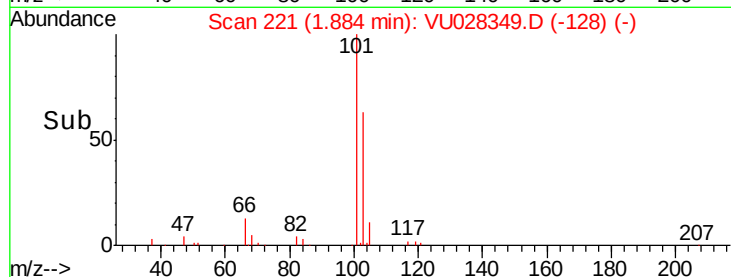
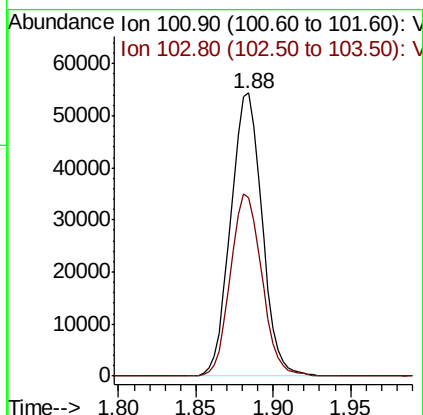
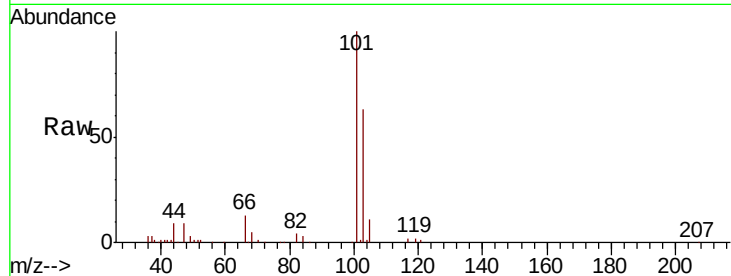


#7

Trichlorofluoromethane  
 Concen: 21.236 ug/l  
 RT: 1.88 min Scan# 221  
 Delta R.T. -0.00 min  
 Lab File: VU028349.D  
 Acq: 27 Nov 2018 20:38

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1127WBSD01

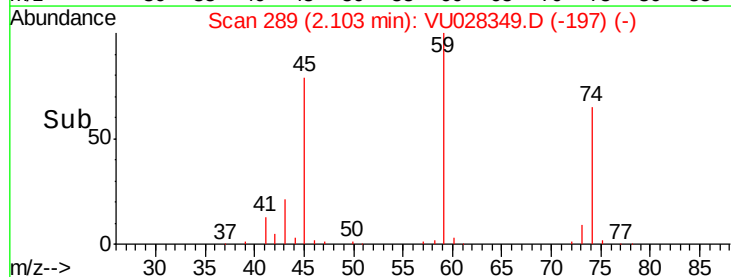
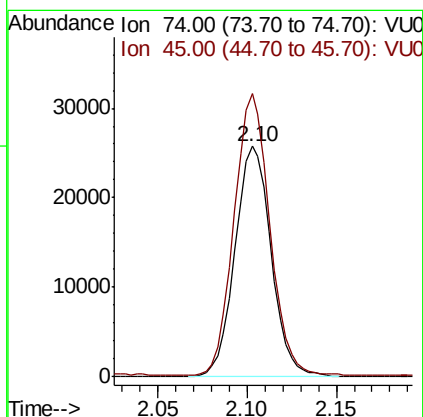
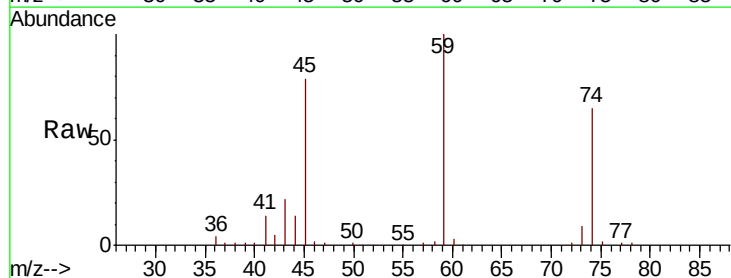
Tot Ion:101 Resp: 76384  
 Ion Ratio Lower Upper  
 101 100  
 103 63.2 49.4 74.2



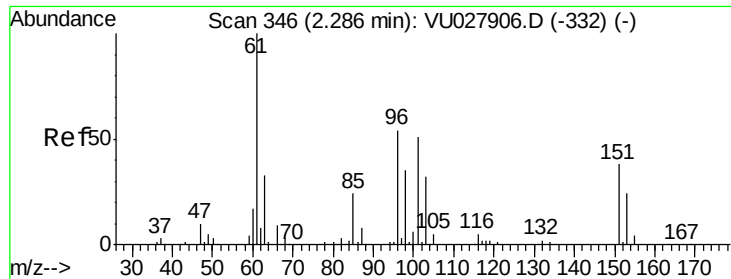
#8

Diethyl Ether  
 Concen: 23.726 ug/l  
 RT: 2.10 min Scan# 289  
 Delta R.T. -0.00 min  
 Lab File: VU028349.D  
 Acq: 27 Nov 2018 20:38

Tgt Ion: 74 Resp: 36541  
 Ion Ratio Lower Upper  
 74 100  
 45 120.8 60.5 181.5







#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.080 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028349.D

Acq: 27 Nov 2018 20:38

Instrument :

MSVOA\_U

ClientSampleId :

VU1127WBSD01

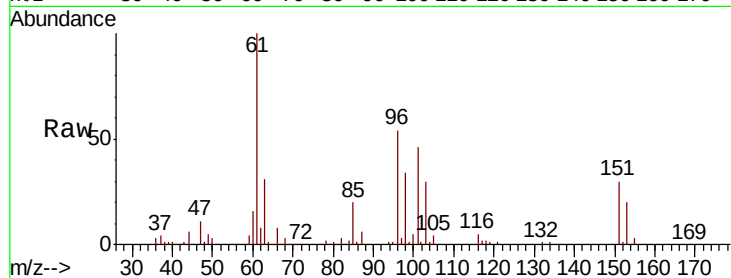
Tot Ion:101 Resp: 45042

Ion Ratio Lower Upper

101 100

85 45.5 36.9 55.3

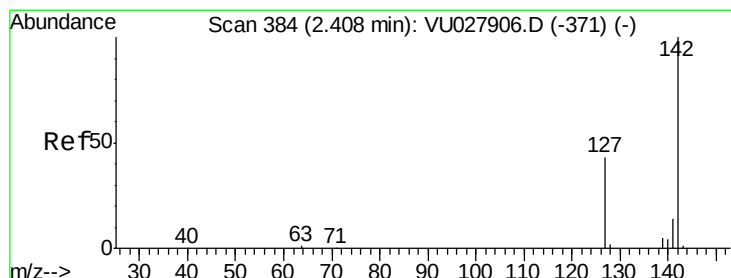
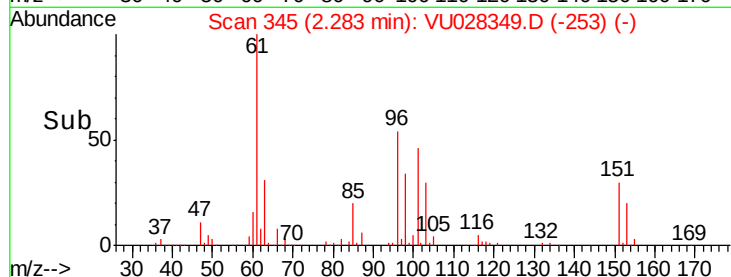
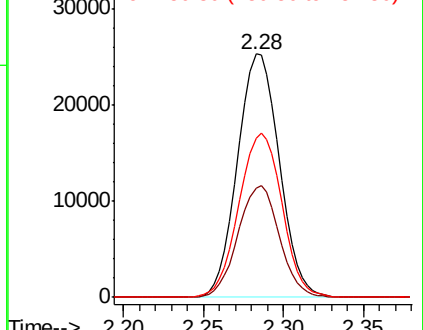
151 69.5 58.0 87.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 24.866 ug/l

RT: 2.41 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU028349.D

Acq: 27 Nov 2018 20:38

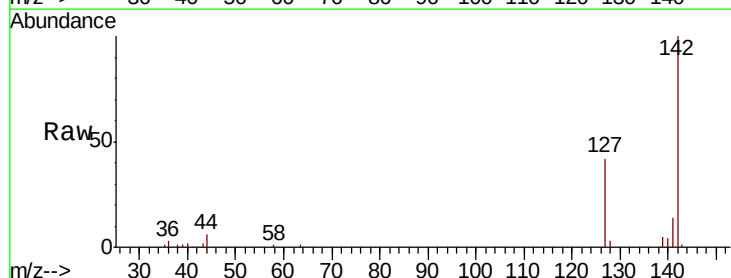
Tgt Ion:142 Resp: 39736

Ion Ratio Lower Upper

142 100

127 44.4 35.2 52.8

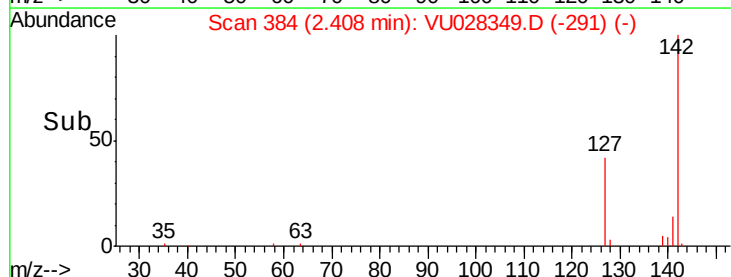
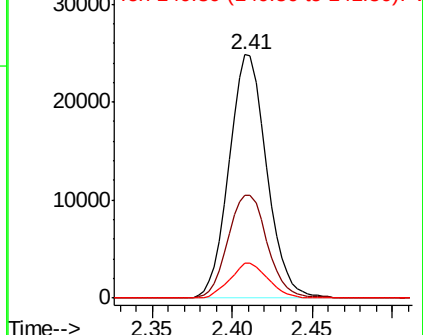
141 14.3 11.8 17.8

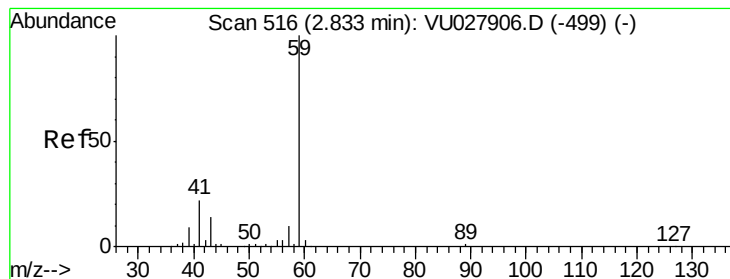


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



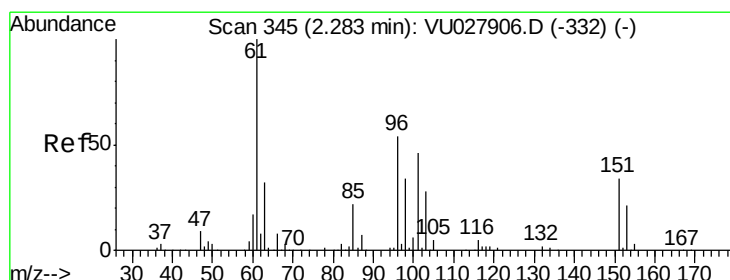
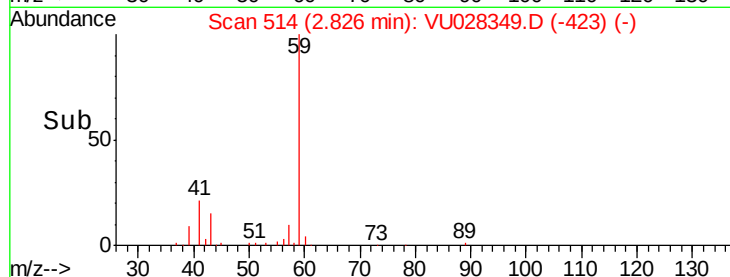
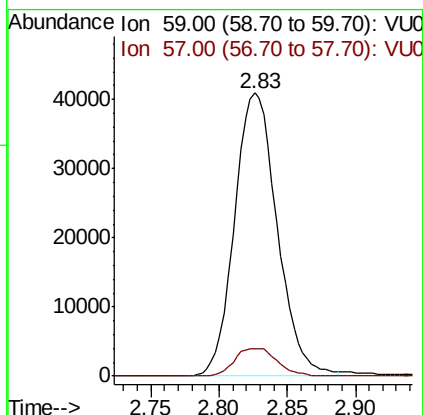
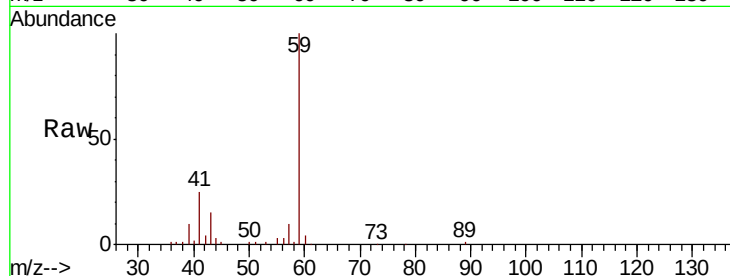


#11

Tert butyl alcohol  
 Concen: 110.804 ug/l  
 RT: 2.83 min Scan# 514  
 Delta R.T. -0.01 min  
 Lab File: VU028349.D  
 Acq: 27 Nov 2018 20:38

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1127WBSD01

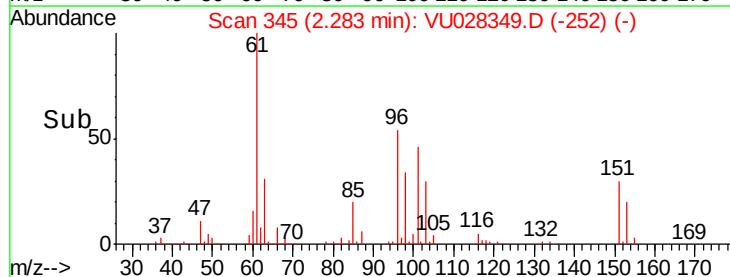
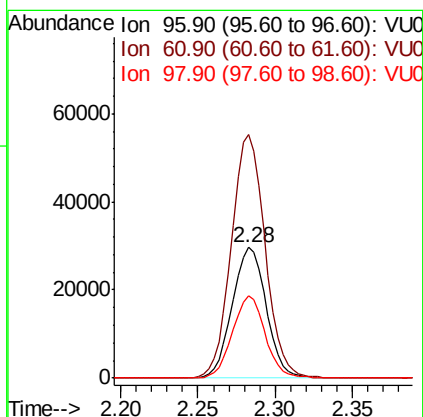
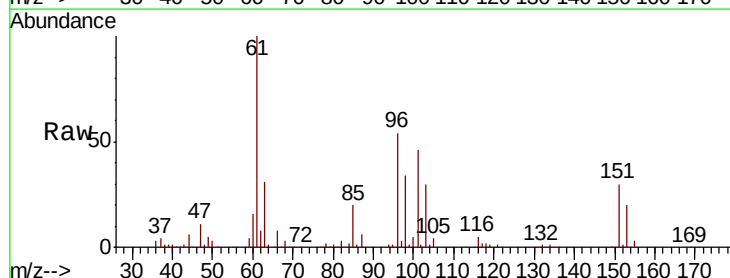
Tot Ion: 59 Resp: 89001  
 Ion Ratio Lower Upper  
 59 100  
 57 9.9 7.8 11.8

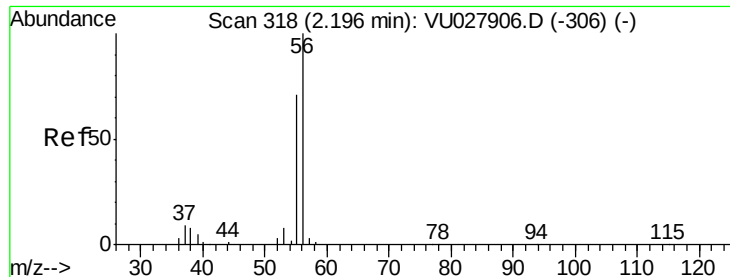


#12

1,1-Dichloroethene  
 Concen: 21.121 ug/l  
 RT: 2.28 min Scan# 345  
 Delta R.T. -0.00 min  
 Lab File: VU028349.D  
 Acq: 27 Nov 2018 20:38

Tgt Ion: 96 Resp: 45174  
 Ion Ratio Lower Upper  
 96 100  
 61 186.6 149.3 223.9  
 98 63.2 50.6 75.8





#13

Acrolein

Concen: 50.418 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU028349.D

Acq: 27 Nov 2018 20:38

Instrument :

MSVOA\_U

ClientSampleId :

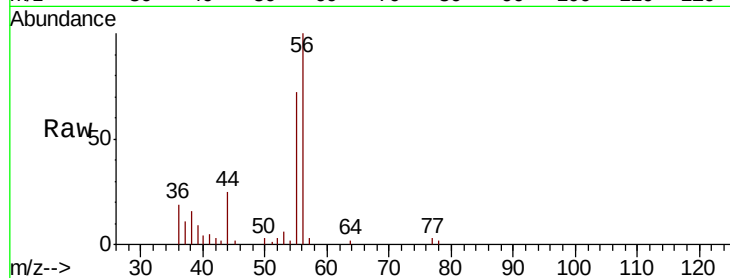
VU1127WBSD01

Tot Ion: 56 Resp: 16499

Ion Ratio Lower Upper

56 100

55 72.0 56.2 84.4

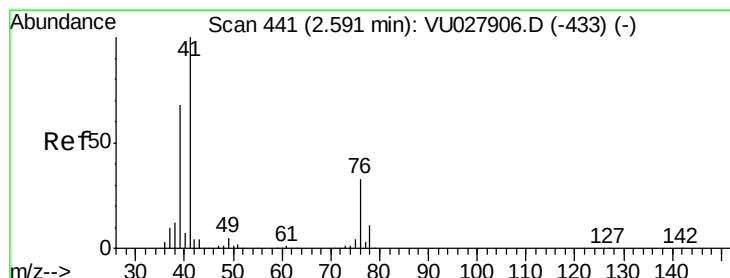
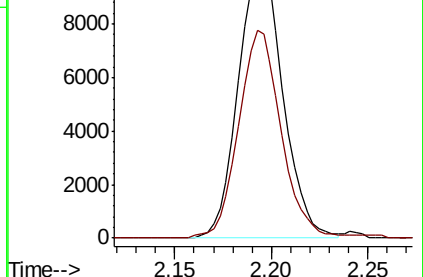
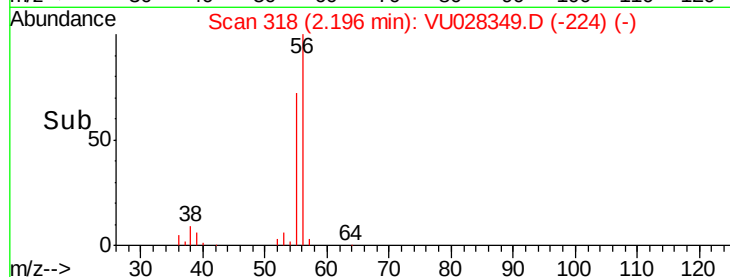


Abundance Ion 56.00 (55.70 to 56.70): VU027906.D (-306) (-)

Ion 55.00 (54.70 to 55.70): VU027906.D (-306) (-)

2.20

Time-->



#14

Allyl chloride

Concen: 21.822 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028349.D

Acq: 27 Nov 2018 20:38

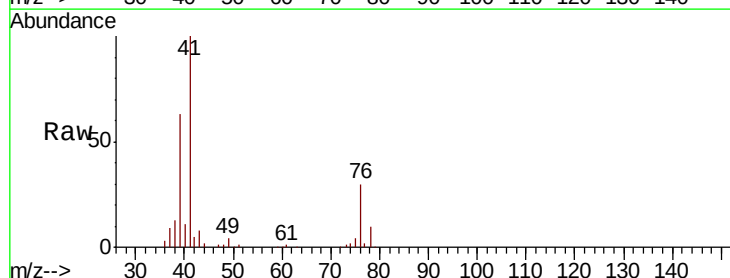
Tgt Ion: 41 Resp: 114075

Ion Ratio Lower Upper

41 100

39 64.8 51.9 77.9

76 28.6 23.8 35.6



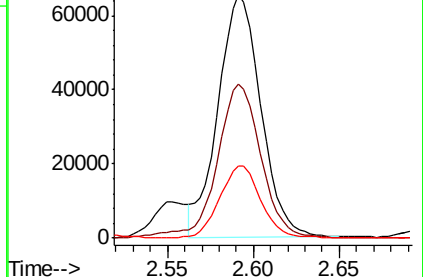
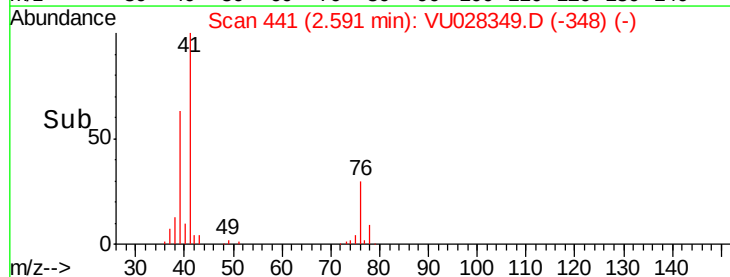
Abundance Ion 41.00 (40.70 to 41.70): VU027906.D (-433) (-)

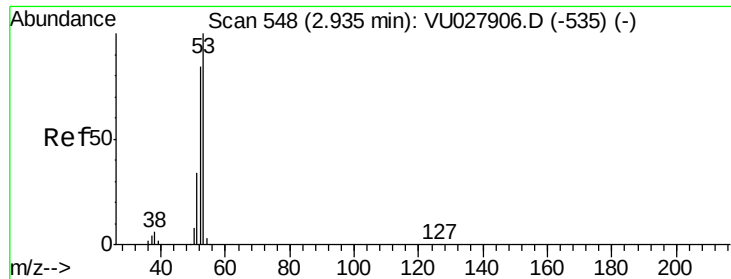
Ion 39.00 (38.70 to 39.70): VU027906.D (-433) (-)

Ion 75.90 (75.60 to 76.60): VU027906.D (-433) (-)

2.59

Time-->





#15

Acrylonitrile

Concen: 115.255 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU028349.D

Acq: 27 Nov 2018 20:38

Instrument :

MSVOA\_U

ClientSampleId :

VU1127WBSD01

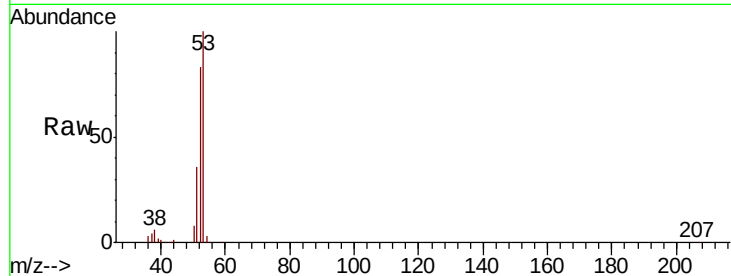
Tot Ion: 53 Resp: 227406

Ion Ratio Lower Upper

53 100

52 82.6 66.2 99.2

51 35.5 27.0 40.4

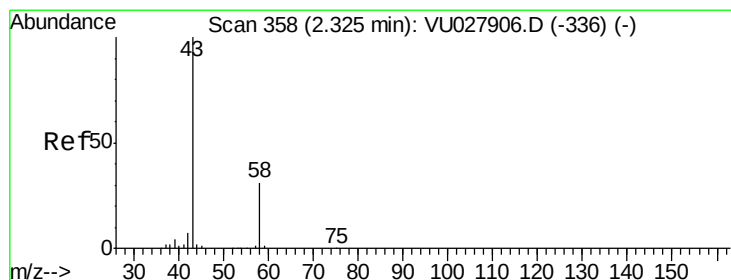
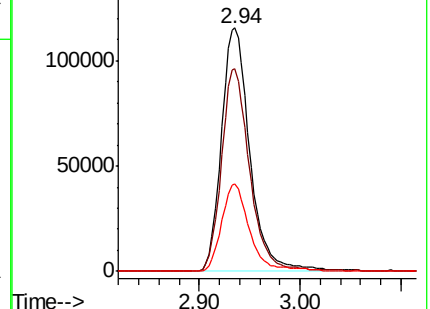
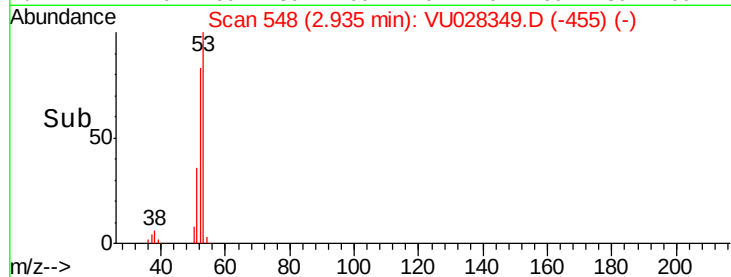


Abundance Ion 53.00 (52.70 to 53.70): VU027906.D (-535) (-)

Ion 52.00 (51.70 to 52.70): VU027906.D (-535) (-)

Ion 51.00 (50.70 to 51.70): VU027906.D (-535) (-)

2.94



#16

Acetone

Concen: 111.983 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028349.D

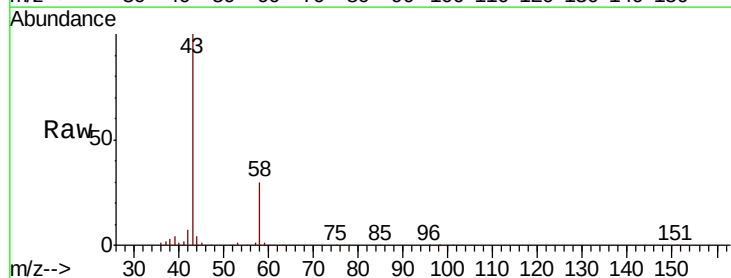
Acq: 27 Nov 2018 20:38

Tgt Ion: 43 Resp: 210806

Ion Ratio Lower Upper

43 100

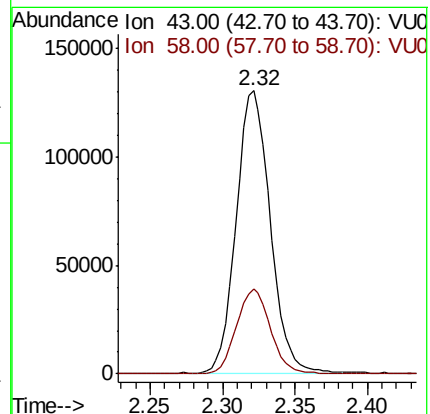
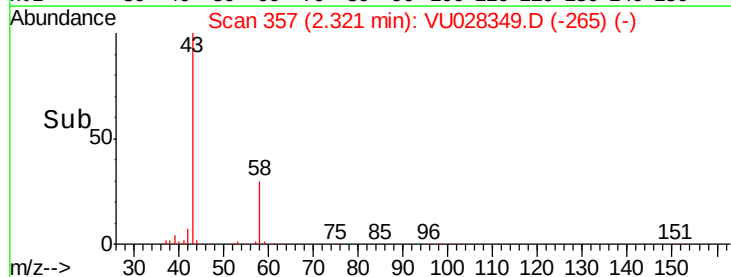
58 30.1 24.6 37.0

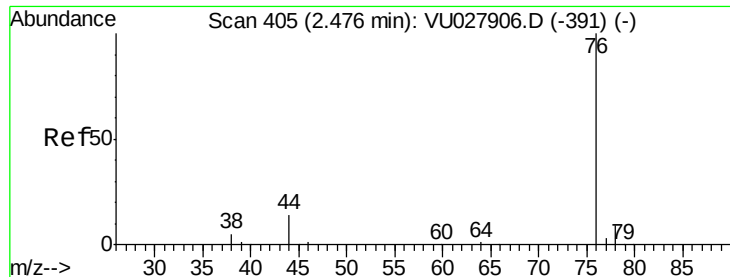


Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-336) (-)

Ion 58.00 (57.70 to 58.70): VU027906.D (-336) (-)

2.32





#17

Carbon Disulfide

Concen: 20.800 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU028349.D

Acq: 27 Nov 2018 20:38

Instrument :

MSVOA\_U

ClientSampleId :

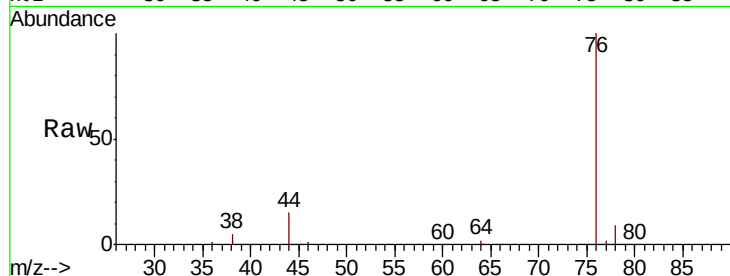
VU1127WBSD01

Tot Ion: 76 Resp: 145413

Ion Ratio Lower Upper

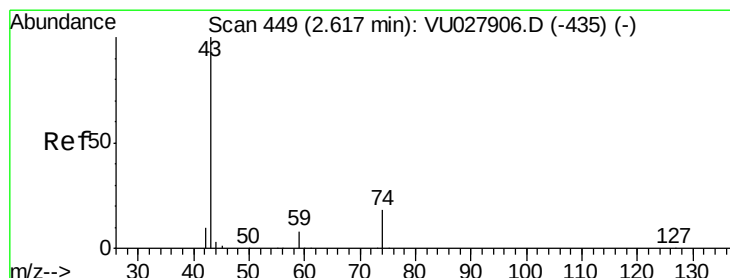
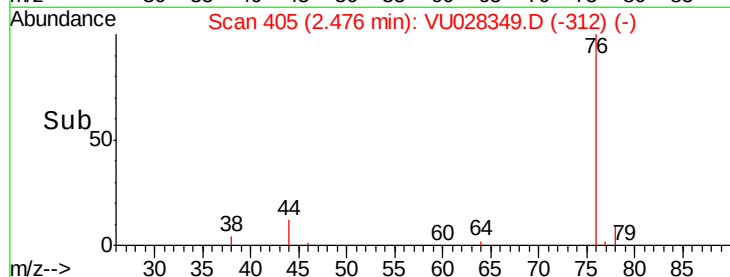
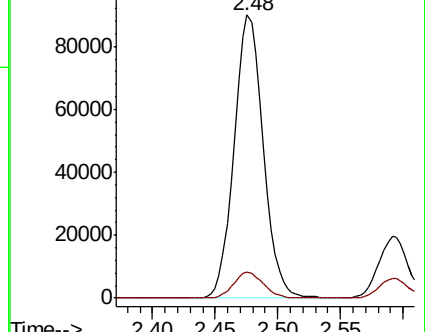
76 100

78 9.0 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VU028349.D (-312) (-)

Ion 77.90 (77.60 to 78.60): VU028349.D (-312) (-)



#18

Methyl Acetate

Concen: 24.693 ug/l

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU028349.D

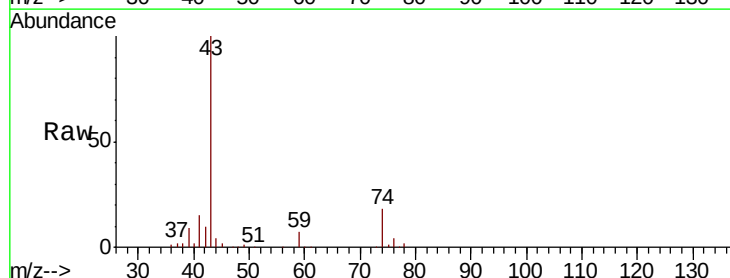
Acq: 27 Nov 2018 20:38

Tgt Ion: 43 Resp: 127870

Ion Ratio Lower Upper

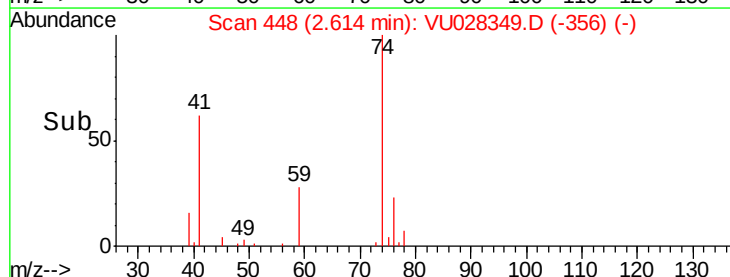
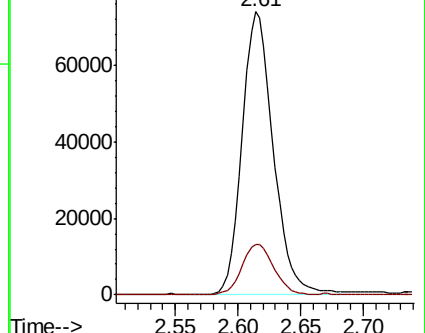
43 100

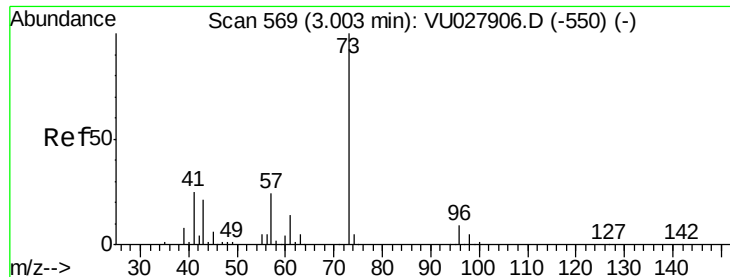
74 18.5 14.9 22.3



Abundance Ion 43.00 (42.70 to 43.70): VU028349.D (-356) (-)

Ion 74.00 (73.70 to 74.70): VU028349.D (-356) (-)



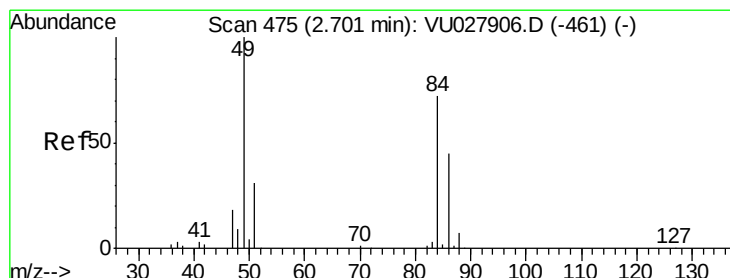
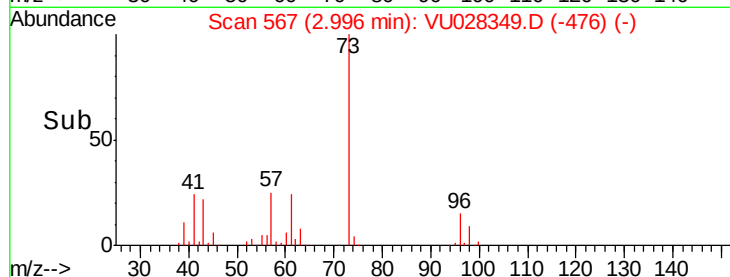
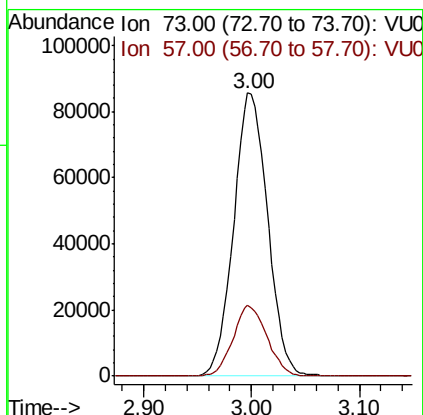
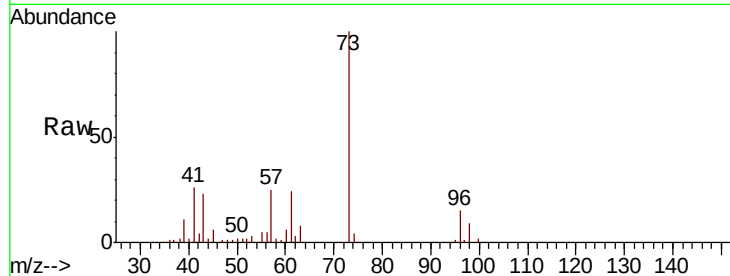


#19

Methyl tert-butyl Ether  
 Concen: 21.824 ug/l  
 RT: 3.00 min Scan# 567  
 Delta R.T. -0.01 min  
 Lab File: VU028349.D  
 Acq: 27 Nov 2018 20:38

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1127WBSD01

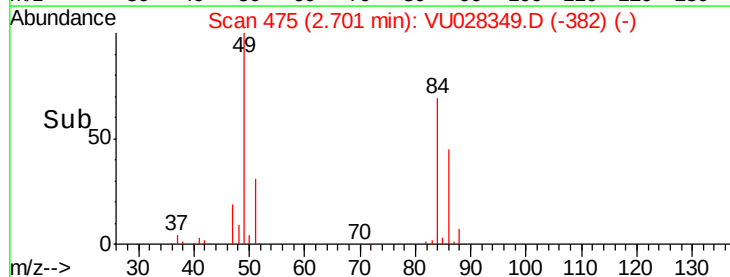
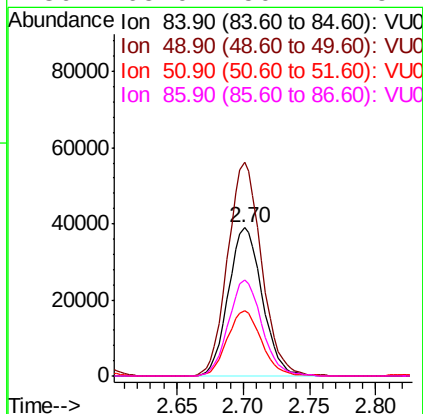
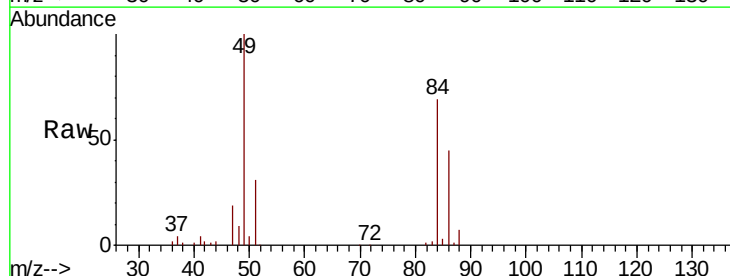
Tot Ion: 73 Resp: 188242  
 Ion Ratio Lower Upper  
 73 100  
 57 25.0 19.3 28.9

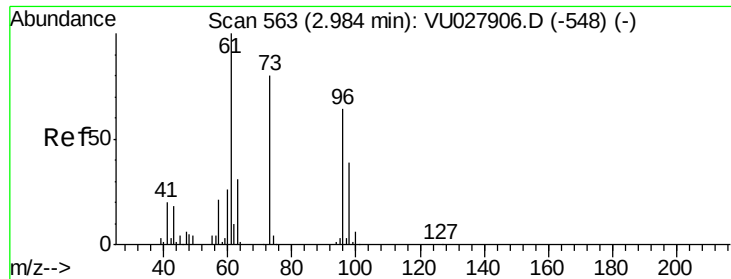


#20

Methylene Chloride  
 Concen: 25.196 ug/l  
 RT: 2.70 min Scan# 475  
 Delta R.T. -0.00 min  
 Lab File: VU028349.D  
 Acq: 27 Nov 2018 20:38

Tgt Ion: 84 Resp: 69252  
 Ion Ratio Lower Upper  
 84 100  
 49 144.0 111.6 167.4  
 51 43.9 34.8 52.2  
 86 65.0 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 20.525 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028349.D

Acq: 27 Nov 2018 20:38

Instrument :

MSVOA\_U

ClientSampleId :

VU1127WBSD01

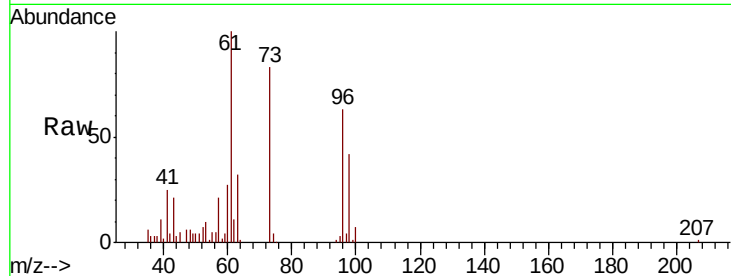
Tot Ion: 96 Resp: 50663

Ion Ratio Lower Upper

96 100

61 158.7 125.0 187.6

98 66.1 48.2 72.4

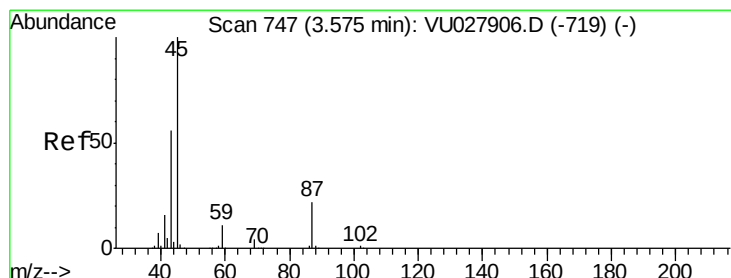
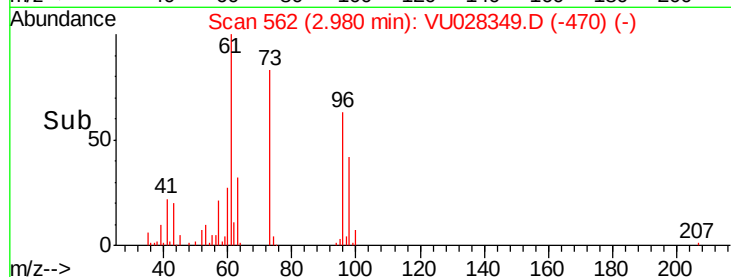
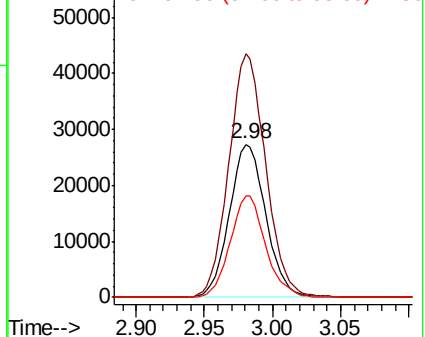


Abundance

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: 22.551 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028349.D

Acq: 27 Nov 2018 20:38

Tgt Ion: 45 Resp: 243375

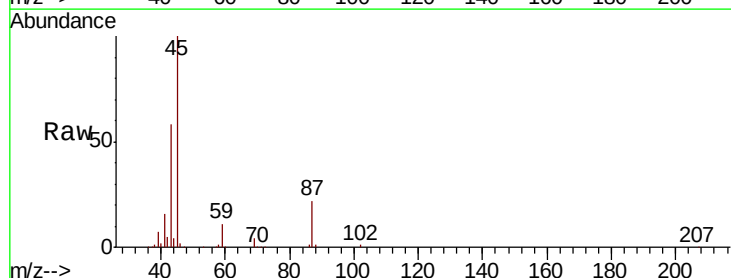
Ion Ratio Lower Upper

45 100

43 56.1 45.0 67.6

87 21.5 17.9 26.9

59 10.7 8.6 12.8



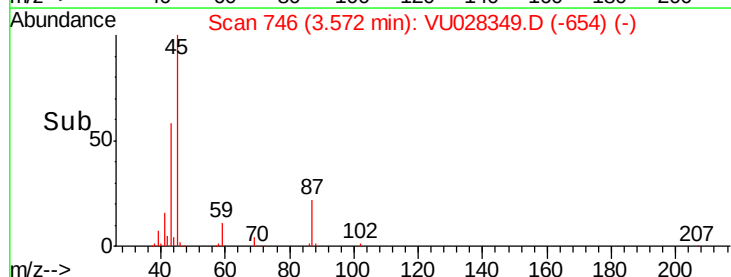
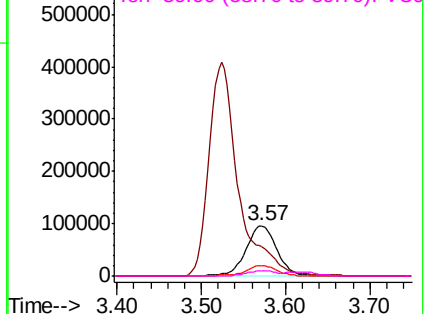
Abundance

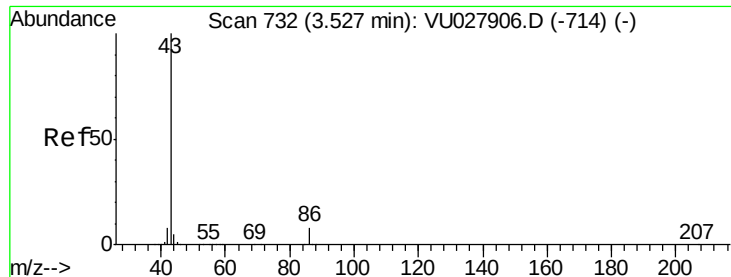
Ion 45.00 (44.70 to 45.70): VU0

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: 107.223 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028349.D

Acq: 27 Nov 2018 20:38

Instrument :

MSVOA\_U

ClientSampleId :

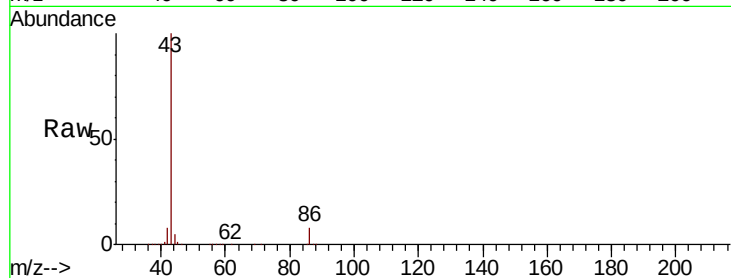
VU1127WBSD01

Tot Ion: 43 Resp: 994500

Ion Ratio Lower Upper

43 100

86 7.9 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-714) (-)

Ion 86.00 (85.70 to 86.70): VU027906.D (-714) (-)

3.52

400000

300000

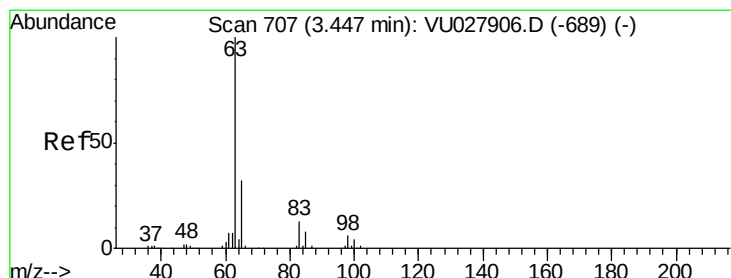
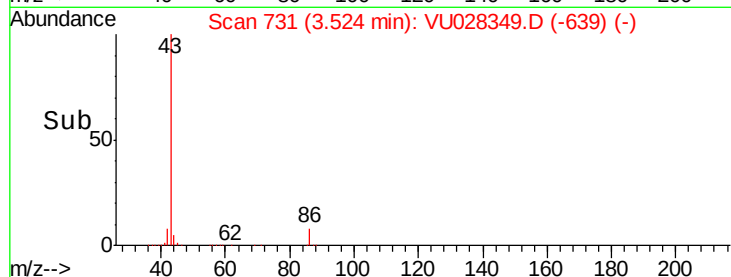
200000

100000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 22.014 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028349.D

Acq: 27 Nov 2018 20:38

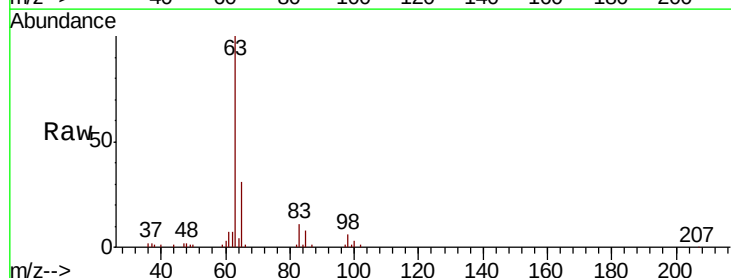
Tgt Ion: 63 Resp: 118339

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.6

100 3.3 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU027906.D (-689) (-)

Ion 97.90 (97.60 to 98.60): VU027906.D (-689) (-)

Ion 99.90 (99.60 to 100.60): VU027906.D (-689) (-)

3.44

60000

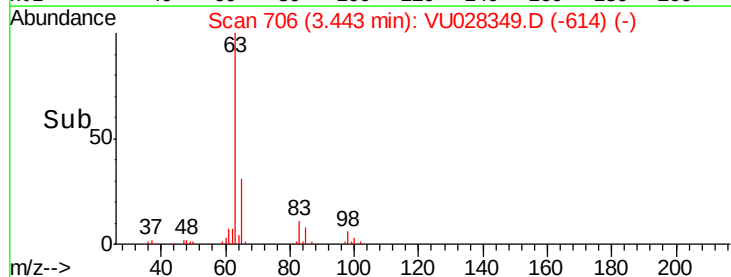
40000

20000

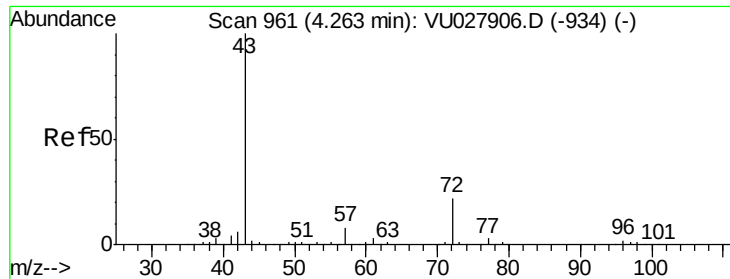
0

3.40 3.50

Time-->







#25

2-Butanone

Concen: 113.327 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028349.D

Acq: 27 Nov 2018 20:38

Instrument :

MSVOA\_U

ClientSampleId :

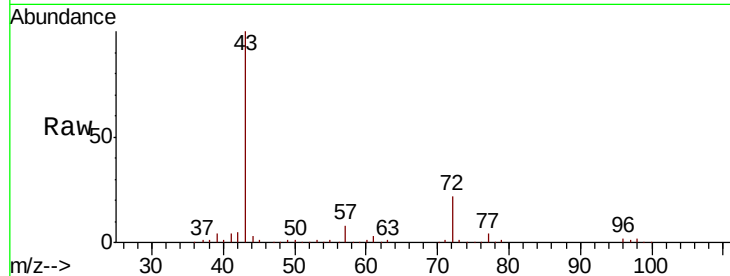
VU1127WBSD01

Tot Ion: 43 Resp: 339397

Ion Ratio Lower Upper

43 100

72 21.7 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

150000

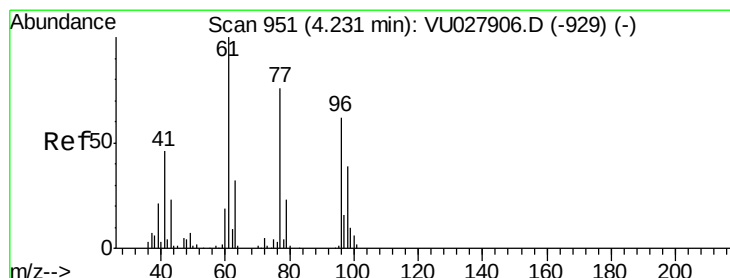
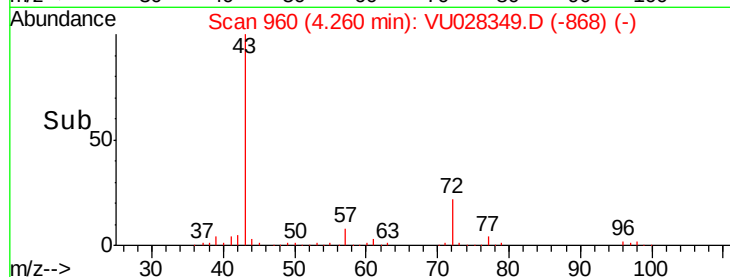
100000

50000

0

4.20 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 21.903 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.01 min

Lab File: VU028349.D

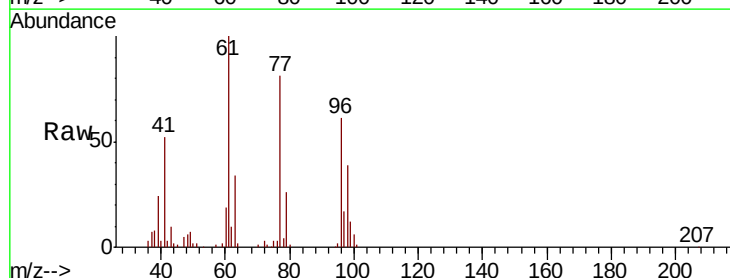
Acq: 27 Nov 2018 20:38

Tgt Ion: 77 Resp: 88358

Ion Ratio Lower Upper

77 100

97 21.9 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

30000

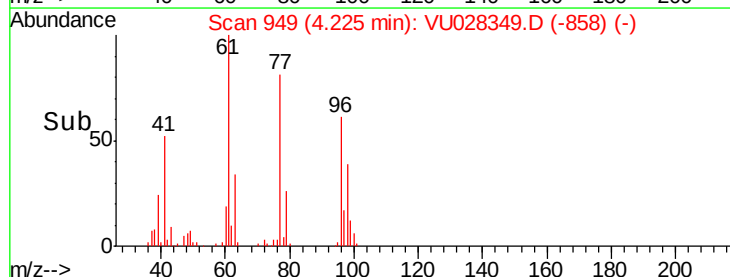
20000

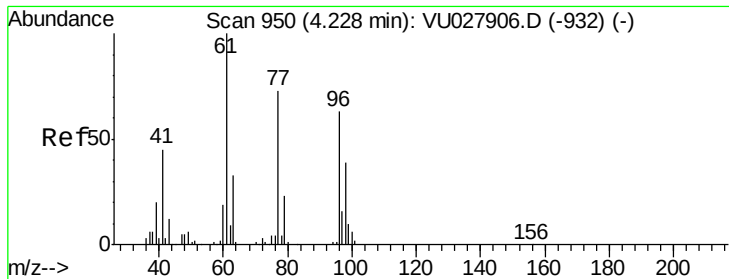
10000

0

4.10 4.20 4.30

Time-->



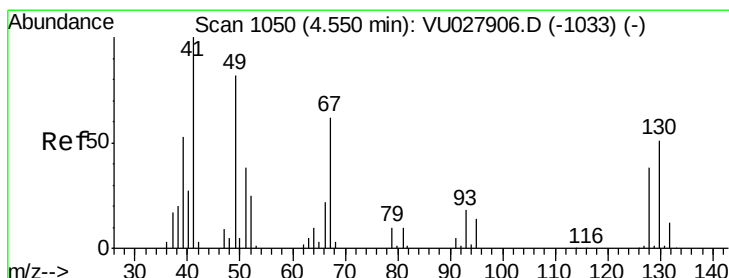
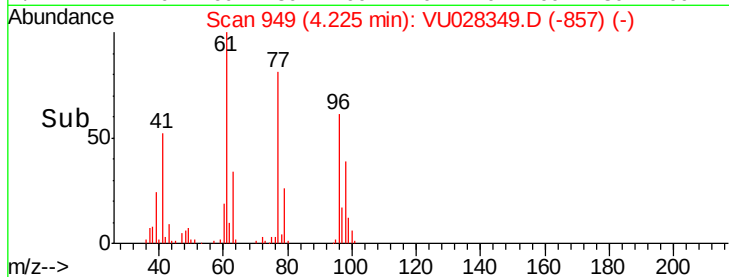
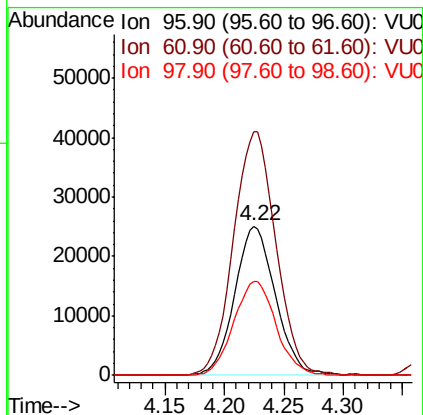
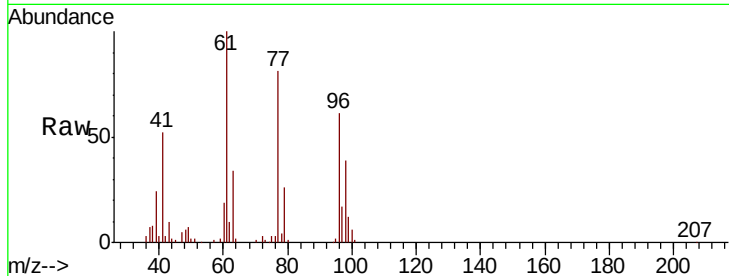


#27

cis-1,2-Dichloroethene  
 Concen: 21.433 ug/l  
 RT: 4.22 min Scan# 949  
 Delta R.T. -0.00 min  
 Lab File: VU028349.D  
 Acq: 27 Nov 2018 20:38

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1127WBSD01

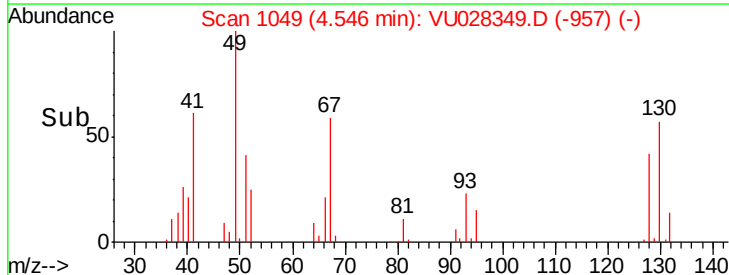
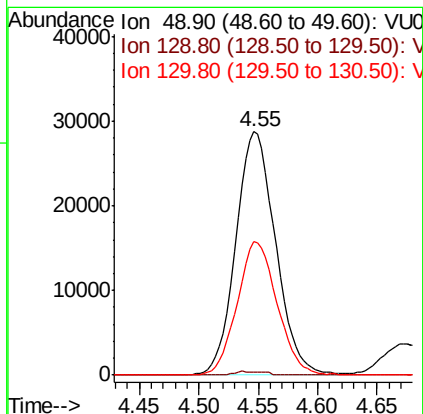
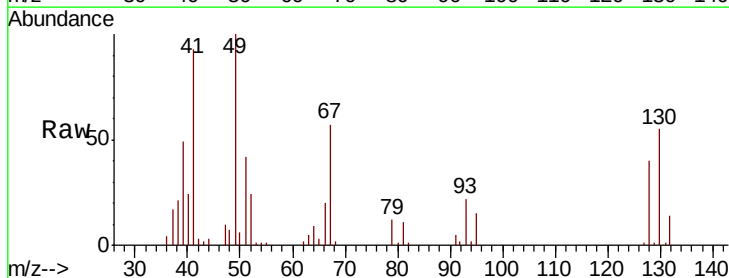
| Tot Ion | 96    | Resp  | 59324 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 96      | 100   |       |       |
| 61      | 170.1 | 0.0   | 329.6 |
| 98      | 65.9  | 0.0   | 127.2 |

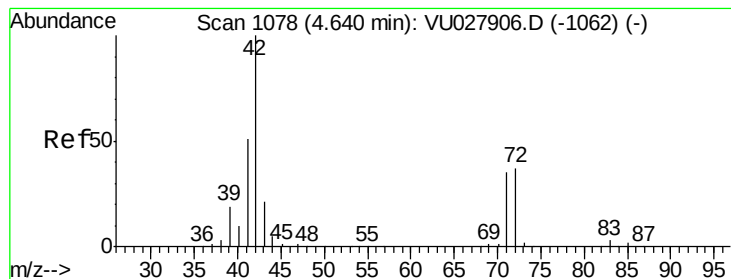


#28

Bromochloromethane  
 Concen: 26.423 ug/l  
 RT: 4.55 min Scan# 1049  
 Delta R.T. -0.00 min  
 Lab File: VU028349.D  
 Acq: 27 Nov 2018 20:38

| Tgt Ion | 49    | Resp  | 66587 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 49      | 100   |       |       |
| 129     | 1.2   | 0.0   | 3.0   |
| 130     | 54.9  | 47.8  | 71.6  |





#29

Tetrahydrofuran

Concen: 108.809 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VU028349.D

Acq: 27 Nov 2018 20:38

Instrument :

MSVOA\_U

ClientSampleId :

VU1127WBSD01

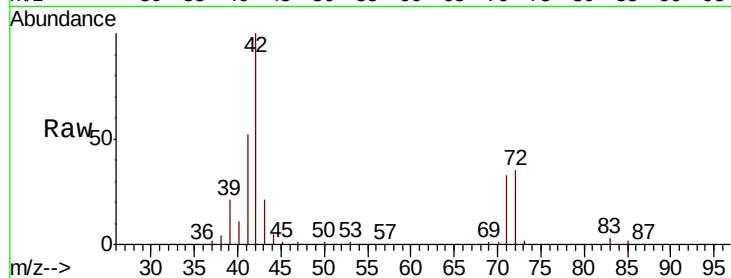
Tot Ion: 42 Resp: 217595

Ion Ratio Lower Upper

42 100

72 36.0 29.4 44.0

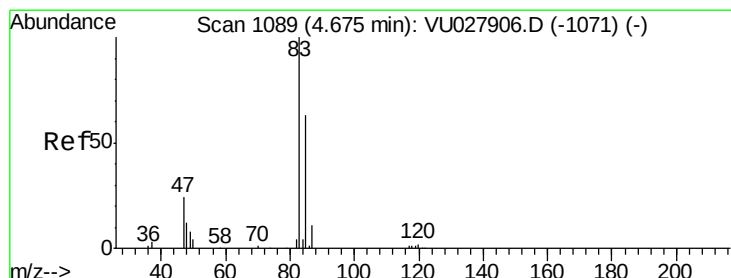
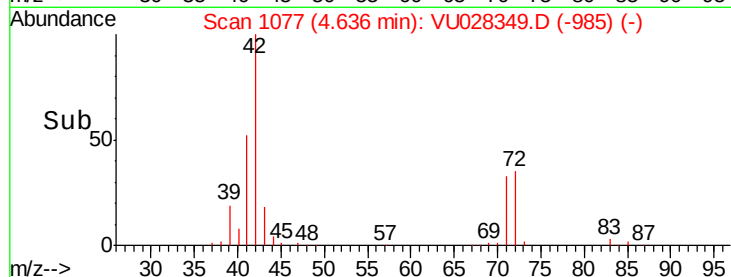
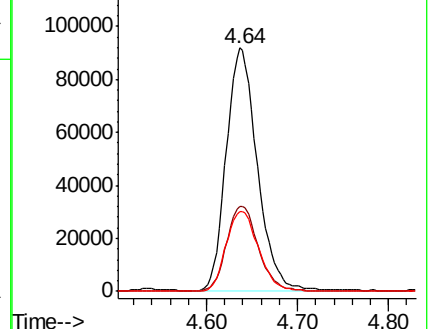
71 34.5 27.9 41.9



Abundance Ion 42.00 (41.70 to 42.70): VU027906.D (-1062) (-)

Ion 72.00 (71.70 to 72.70): VU027906.D (-1062) (-)

Ion 71.00 (70.70 to 71.70): VU027906.D (-1062) (-)



#30

Chloroform

Concen: 21.601 ug/l

RT: 4.67 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VU028349.D

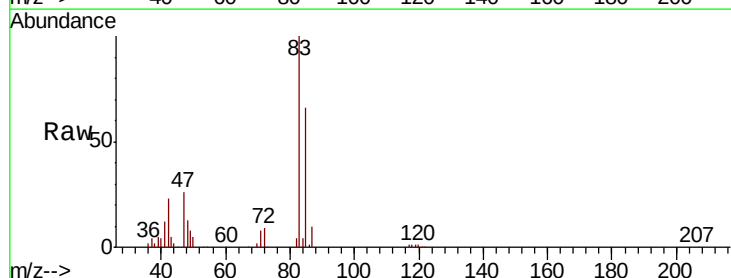
Acq: 27 Nov 2018 20:38

Tgt Ion: 83 Resp: 106467

Ion Ratio Lower Upper

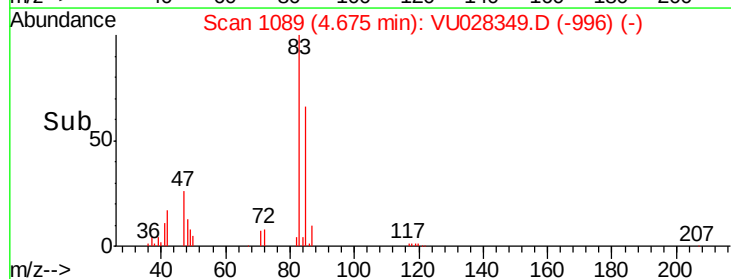
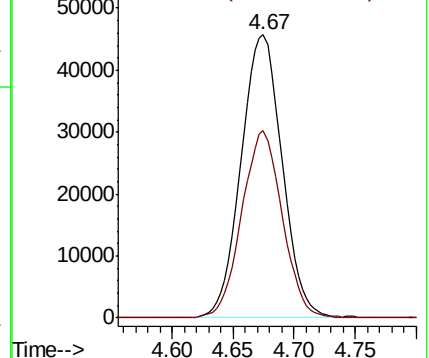
83 100

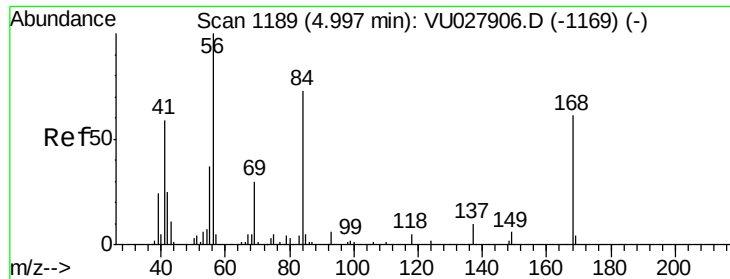
85 66.3 50.6 76.0



Abundance Ion 82.90 (82.60 to 83.60): VU027906.D (-1071) (-)

Ion 84.90 (84.60 to 85.60): VU027906.D (-1071) (-)

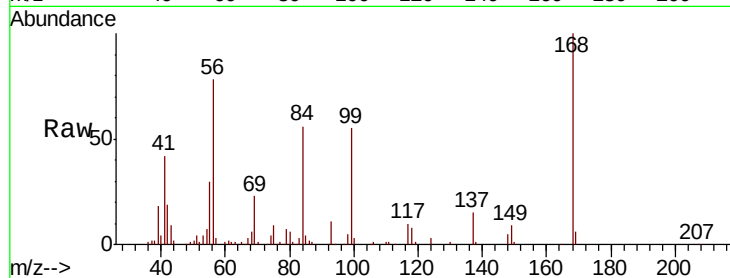




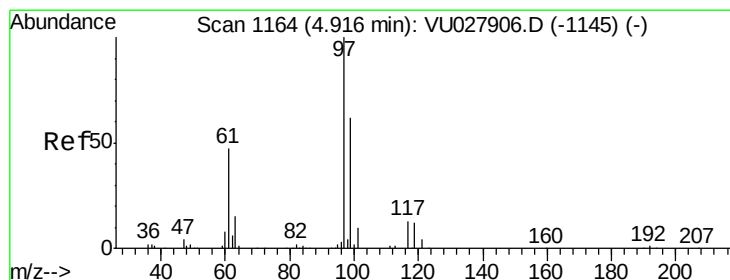
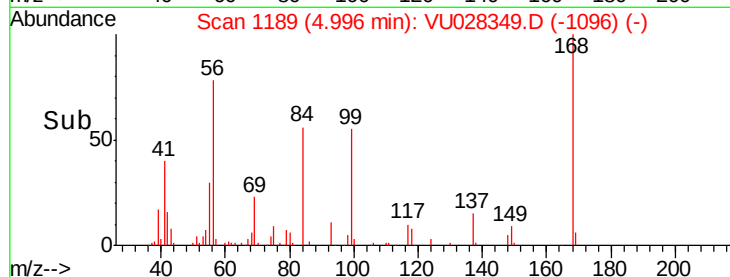
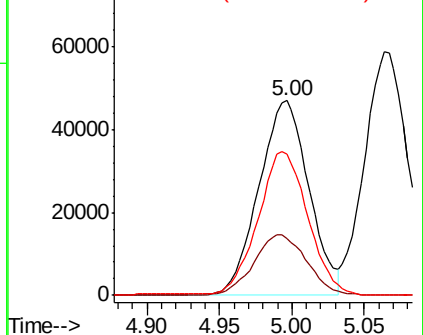
#31  
Cyclohexane  
Concen: 20.402 ug/l  
RT: 5.00 min Scan# 1189  
Delta R.T. 0.00 min  
Lab File: VU028349.D  
Acq: 27 Nov 2018 20:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1127WBSD01

Tot Ion: 56 Resp: 112901  
Ion Ratio Lower Upper  
56 100  
69 29.4 23.7 35.5  
84 71.5 58.2 87.4

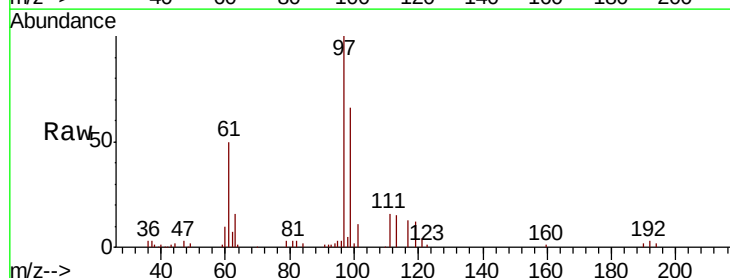


Abundance Ion 56.00 (55.70 to 56.70): VU0  
Ion 69.00 (68.70 to 69.70): VU0  
Ion 84.00 (83.70 to 84.70): VU0

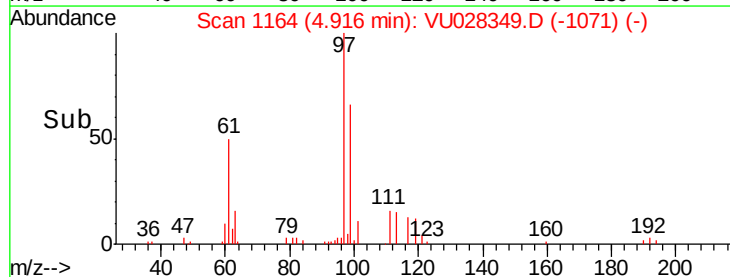
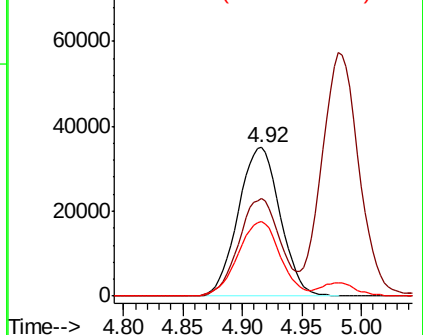


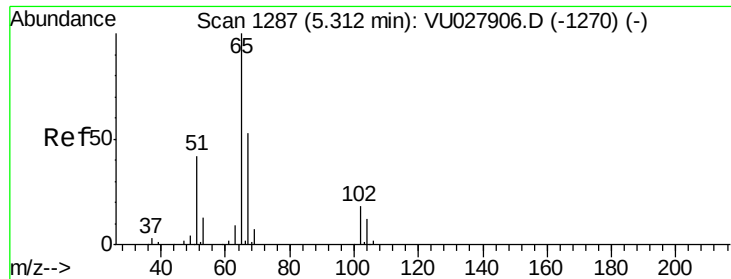
#32  
1,1,1-Trichloroethane  
Concen: 21.774 ug/l  
RT: 4.92 min Scan# 1164  
Delta R.T. -0.00 min  
Lab File: VU028349.D  
Acq: 27 Nov 2018 20:38

Tgt Ion: 97 Resp: 85431  
Ion Ratio Lower Upper  
97 100  
99 64.6 50.5 75.7  
61 50.9 38.3 57.5



Abundance Ion 96.90 (96.60 to 97.60): VU0  
Ion 98.90 (98.60 to 99.60): VU0  
Ion 60.90 (60.60 to 61.60): VU0

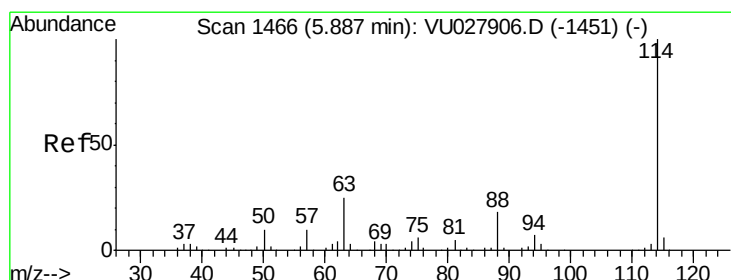
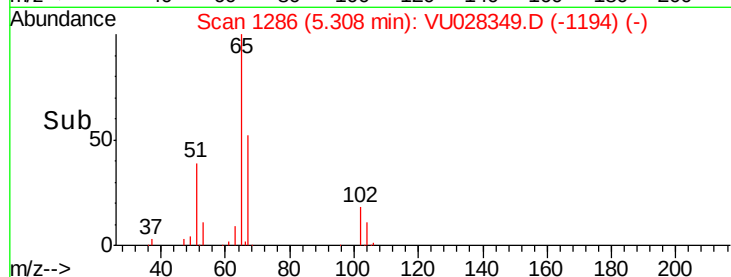
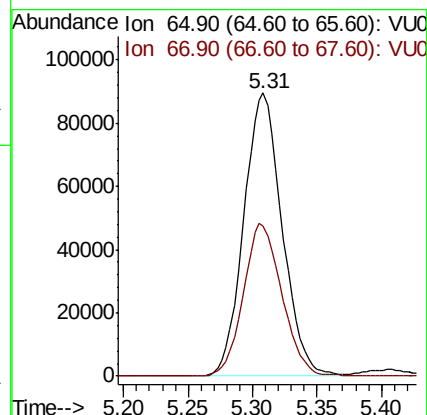
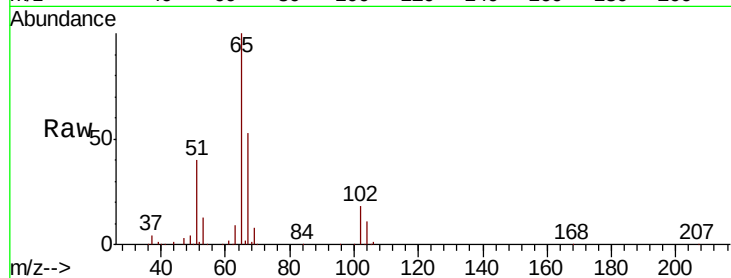




#33  
 1,2-Dichloroethane-d4  
 Concen: 61.009 ug/l  
 RT: 5.31 min Scan# 1286  
 Delta R.T. -0.00 min  
 Lab File: VU028349.D  
 Acq: 27 Nov 2018 20:38

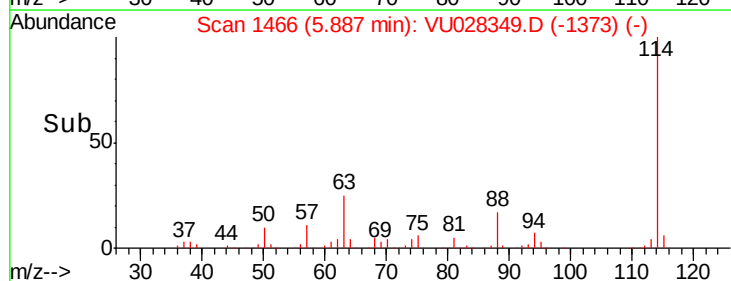
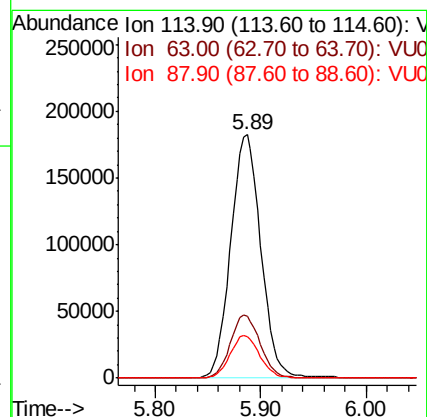
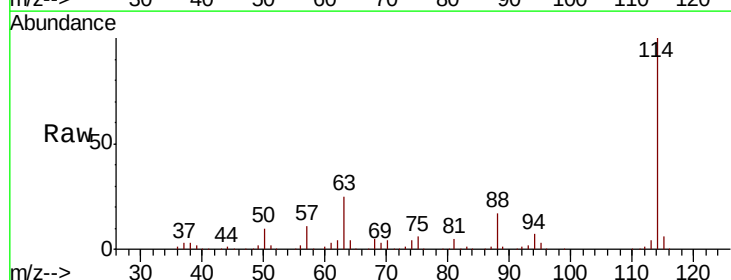
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1127WBSD01

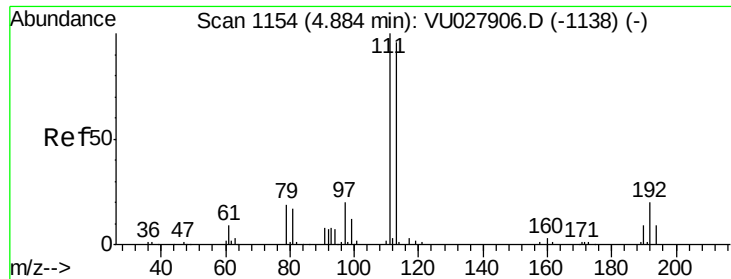
Tot Ion: 65 Resp: 185107  
 Ion Ratio Lower Upper  
 65 100  
 67 54.2 0.0 109.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.89 min Scan# 1466  
 Delta R.T. -0.00 min  
 Lab File: VU028349.D  
 Acq: 27 Nov 2018 20:38

Tgt Ion: 114 Resp: 360249  
 Ion Ratio Lower Upper  
 114 100  
 63 25.4 0.0 50.8  
 88 17.1 0.0 35.8

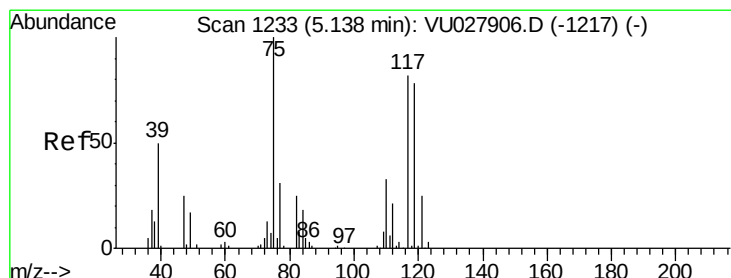
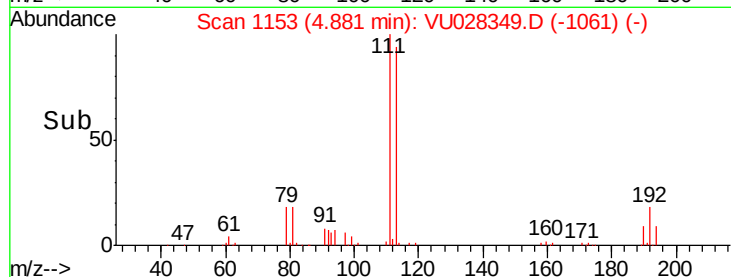
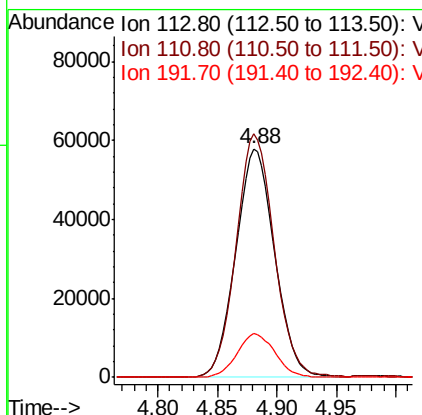
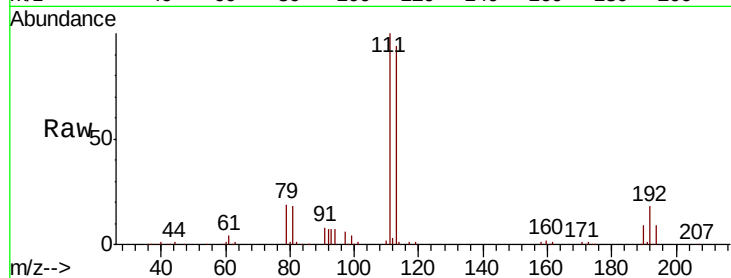




#35  
Dibromofluoromethane  
Concen: 57.636 ug/l  
RT: 4.88 min Scan# 1153  
Delta R.T. -0.00 min  
Lab File: VU028349.D  
Acq: 27 Nov 2018 20:38

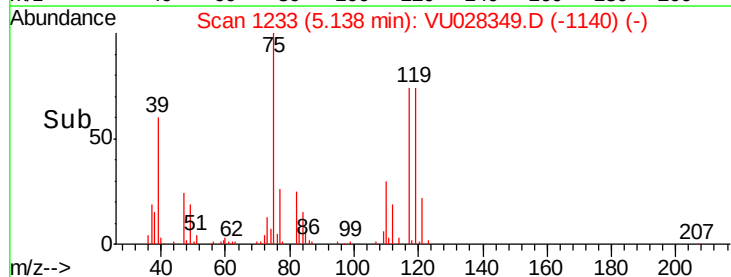
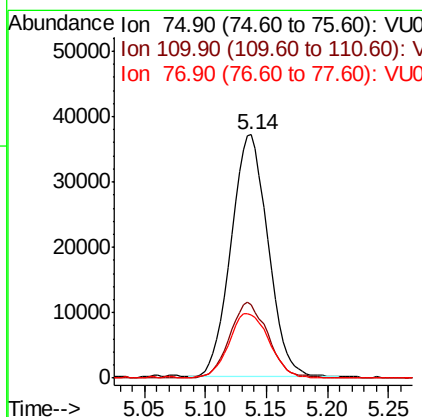
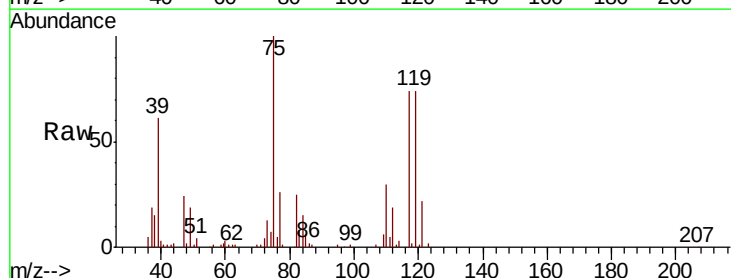
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1127WBSD01

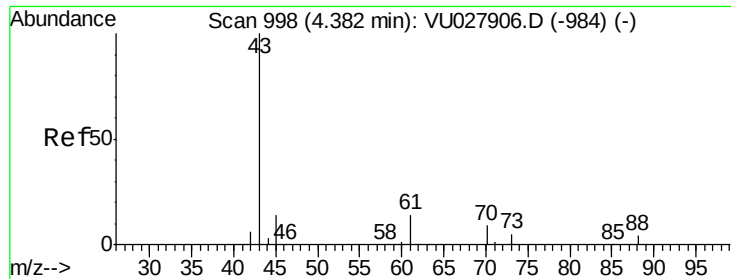
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 104.4 | 83.0  | 124.6 |
| 192     | 18.8  | 15.6  | 23.4  |



#36  
1,1-Dichloropropene  
Concen: 20.706 ug/l  
RT: 5.14 min Scan# 1233  
Delta R.T. -0.00 min  
Lab File: VU028349.D  
Acq: 27 Nov 2018 20:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 32.4  | 16.5  | 49.5  |
| 77      | 29.0  | 24.9  | 37.3  |





#37

Ethyl Acetate

Concen: 20.964 ug/l

RT: 4.38 min Scan# 997

Delta R.T. -0.00 min

Lab File: VU028349.D

Acq: 27 Nov 2018 20:38

Instrument :

MSVOA\_U

ClientSampleId :

VU1127WBSD01

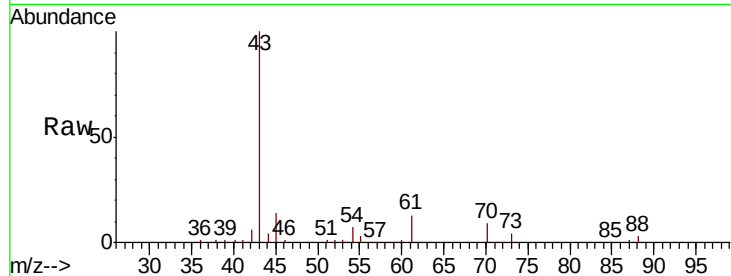
Tot Ion: 43 Resp: 115895

Ion Ratio Lower Upper

43 100

61 14.0 10.3 15.5

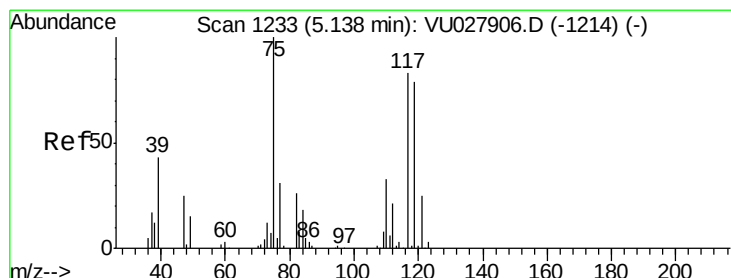
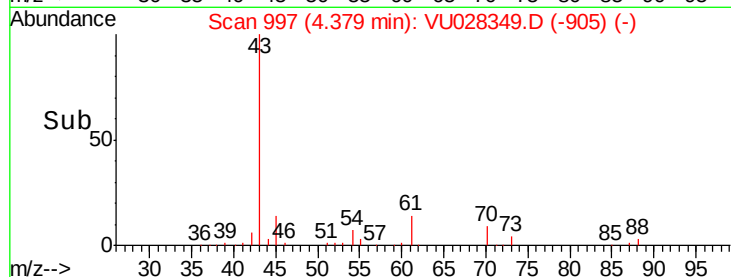
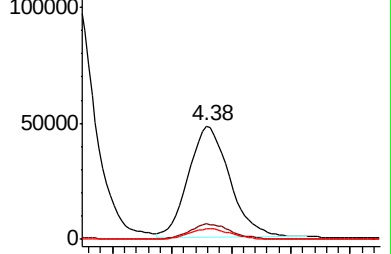
70 9.4 7.0 10.6



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-984) (-)

Ion 60.90 (60.60 to 61.60): VU027906.D (-984) (-)

Ion 70.00 (69.70 to 70.70): VU027906.D (-984) (-)



#38

Carbon Tetrachloride

Concen: 20.362 ug/l

RT: 5.13 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VU028349.D

Acq: 27 Nov 2018 20:38

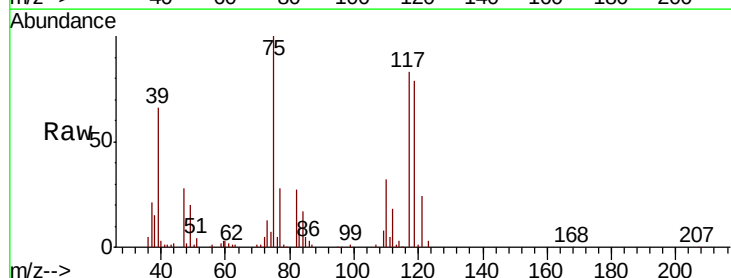
Tgt Ion: 117 Resp: 68084

Ion Ratio Lower Upper

117 100

119 94.1 76.0 114.0

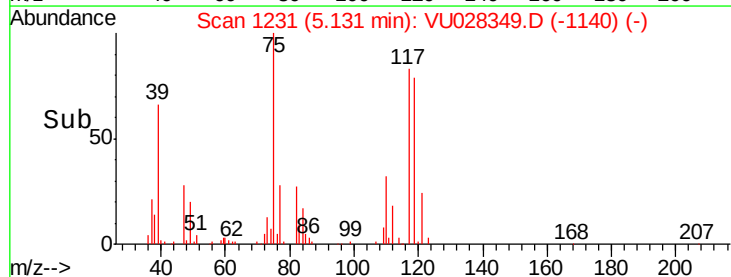
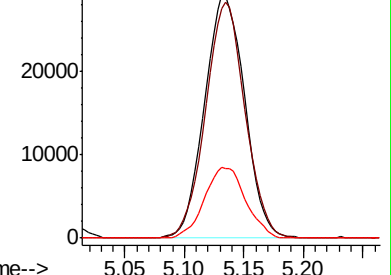
121 28.8 24.5 36.7

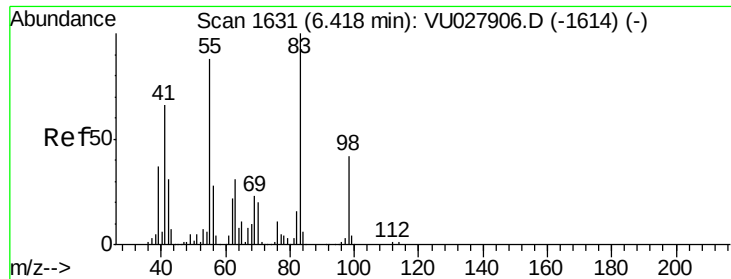


Abundance Ion 116.80 (116.50 to 117.50): VU027906.D (-1214) (-)

Ion 118.80 (118.50 to 119.50): VU027906.D (-1214) (-)

Ion 120.80 (120.50 to 121.50): VU027906.D (-1214) (-)

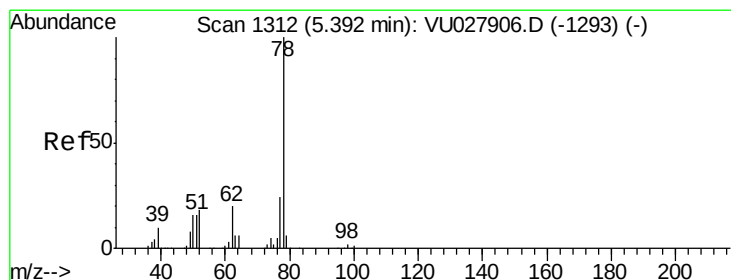
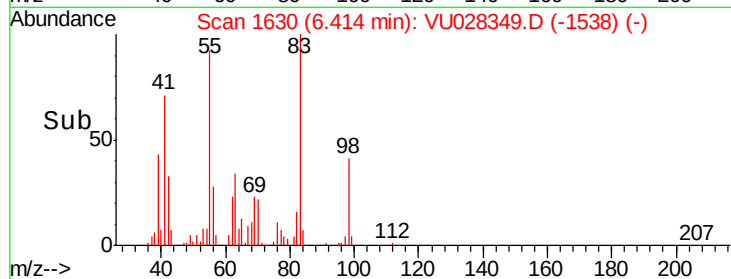
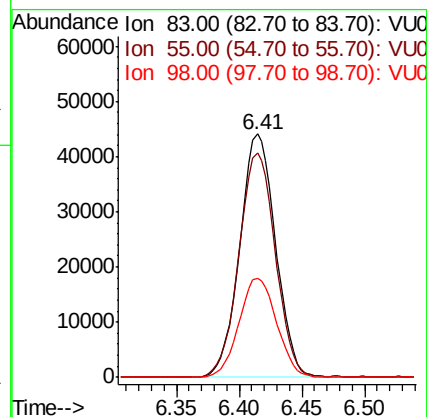
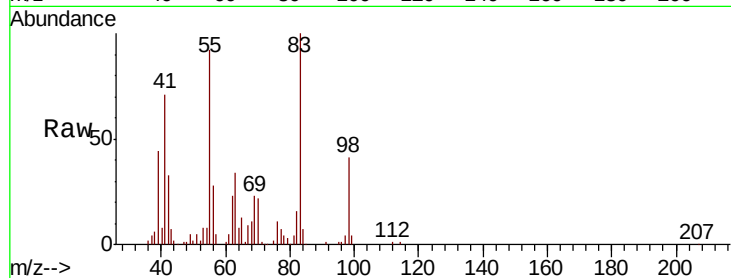




#39  
Methylvlcyclohexane  
Concen: 19.227 ug/l  
RT: 6.41 min Scan# 1630  
Delta R.T. -0.00 min  
Lab File: VU028349.D  
Acq: 27 Nov 2018 20:38

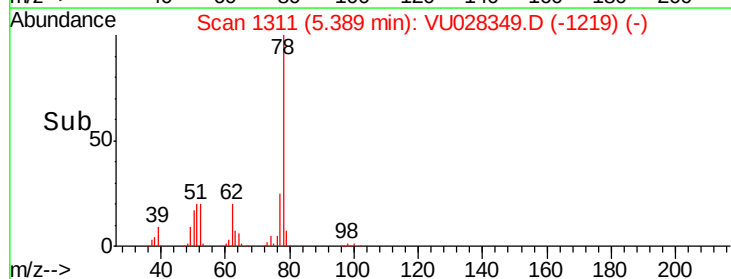
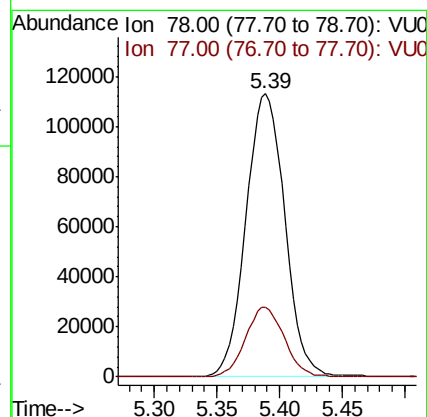
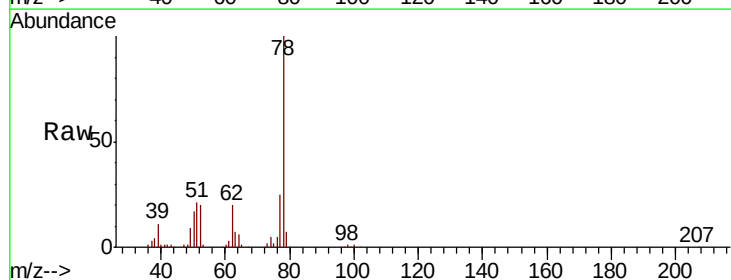
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1127WBSD01

Tot Ion: 83 Resp: 87496  
Ion Ratio Lower Upper  
83 100  
55 91.9 70.3 105.5  
98 40.8 34.0 51.0

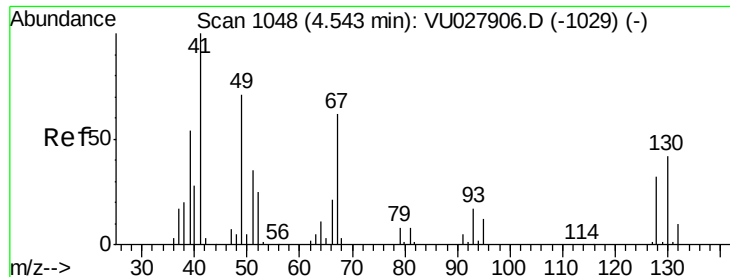


#40  
Benzene  
Concen: 21.141 ug/l  
RT: 5.39 min Scan# 1311  
Delta R.T. -0.00 min  
Lab File: VU028349.D  
Acq: 27 Nov 2018 20:38

Tgt Ion: 78 Resp: 243871  
Ion Ratio Lower Upper  
78 100  
77 24.7 19.3 28.9



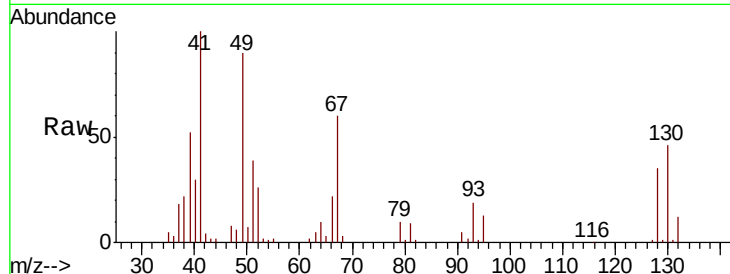




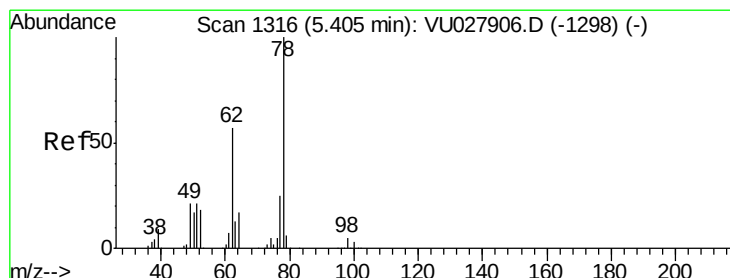
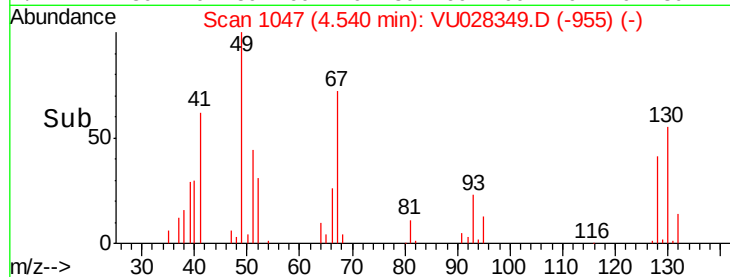
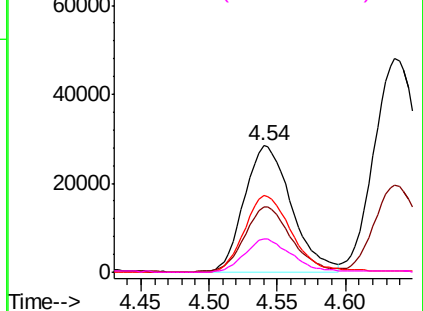
#41  
Methacrylonitrile  
Concen: 23.293 ug/l  
RT: 4.54 min Scan# 1047  
Delta R.T. -0.00 min  
Lab File: VU028349.D  
Acq: 27 Nov 2018 20:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1127WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 68721 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 51.5  | 42.2  | 63.4  |
| 67       | 60.7  | 49.5  | 74.3  |
| 52       | 26.5  | 20.5  | 30.7  |

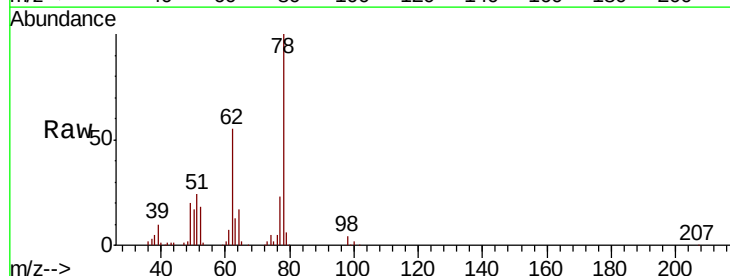


Abundance Ion 41.00 (40.70 to 41.70): VU0  
Ion 39.00 (38.70 to 39.70): VU0  
Ion 67.00 (66.70 to 67.70): VU0  
Ion 52.00 (51.70 to 52.70): VU0

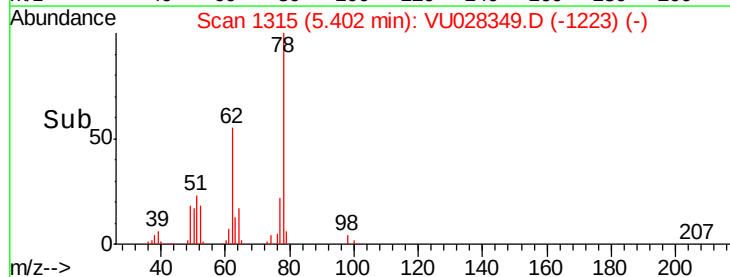
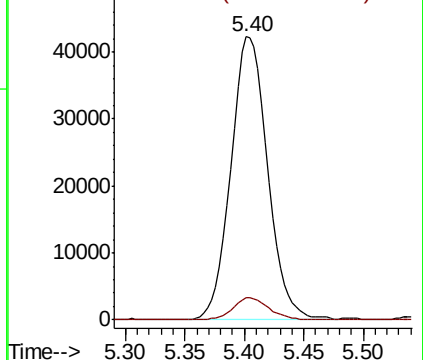


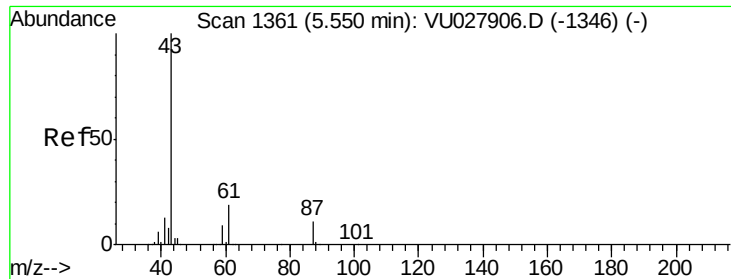
#42  
1,2-Dichloroethane  
Concen: 22.120 ug/l  
RT: 5.40 min Scan# 1315  
Delta R.T. -0.00 min  
Lab File: VU028349.D  
Acq: 27 Nov 2018 20:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 90699 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 7.6   | 0.0   | 17.2  |



Abundance Ion 61.90 (61.60 to 62.60): VU0  
Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 21.657 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028349.D

Acq: 27 Nov 2018 20:38

Instrument :

MSVOA\_U

ClientSampleId :

VU1127WBSD01

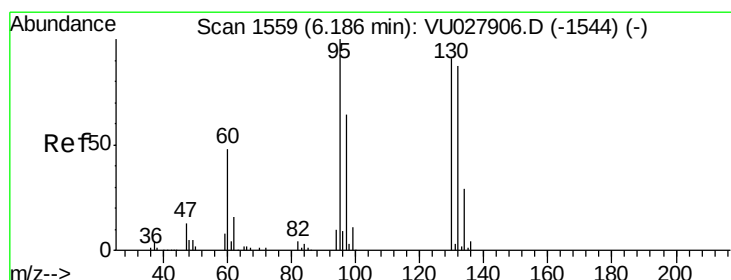
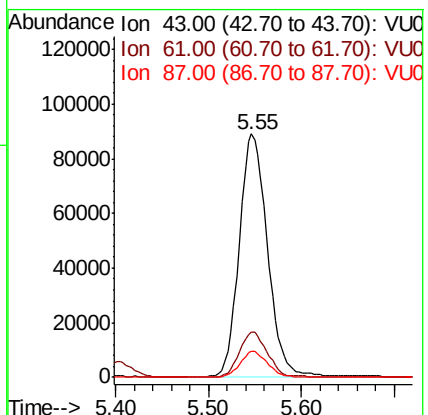
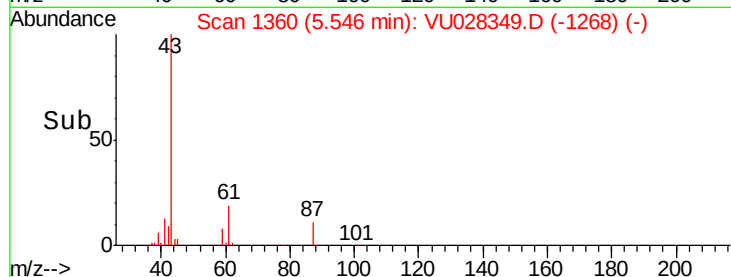
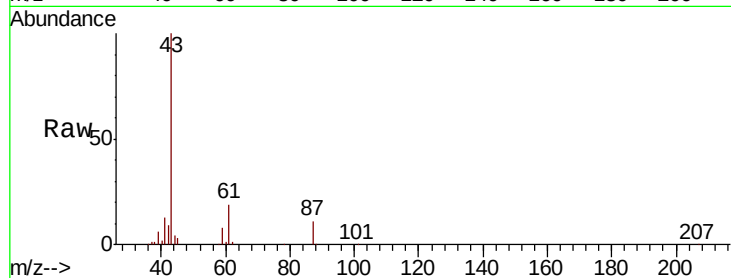
Tot Ion: 43 Resp: 187577

Ion Ratio Lower Upper

43 100

61 18.5 15.0 22.4

87 10.3 8.6 12.8



#44

Trichloroethene

Concen: 21.234 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028349.D

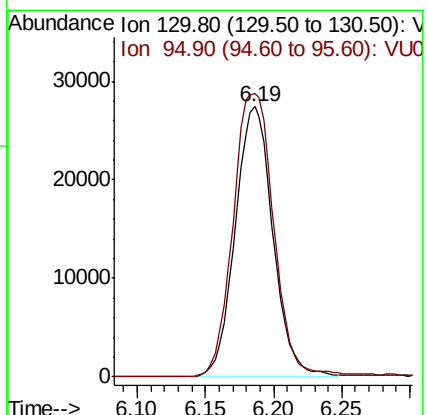
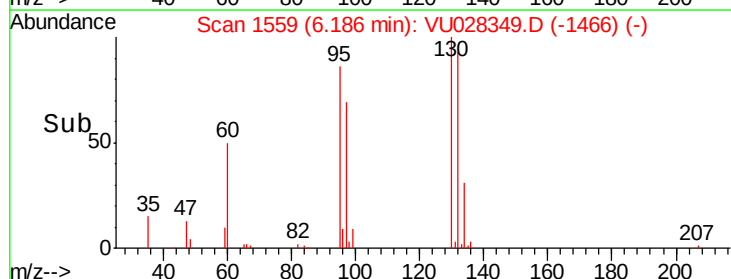
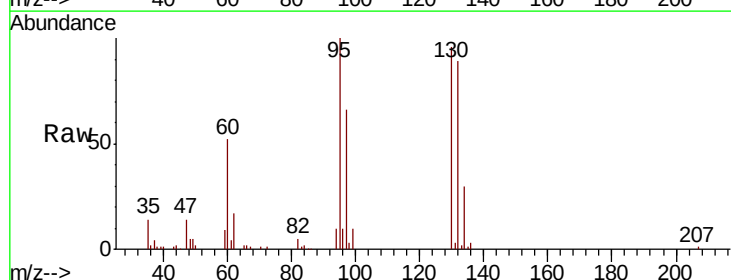
Acq: 27 Nov 2018 20:38

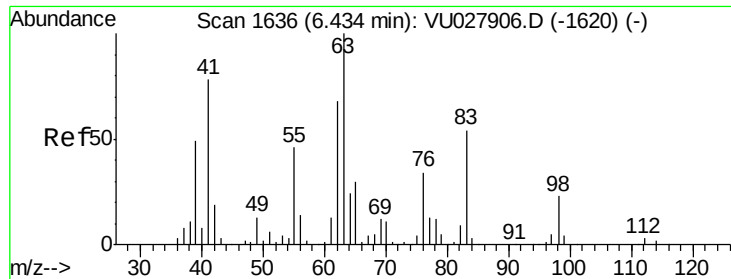
Tgt Ion:130 Resp: 52652

Ion Ratio Lower Upper

130 100

95 104.7 0.0 219.2





#45

1,2-Dichloropropane

Concen: 21.838 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028349.D

Acq: 27 Nov 2018 20:38

Instrument :

MSVOA\_U

ClientSampleId :

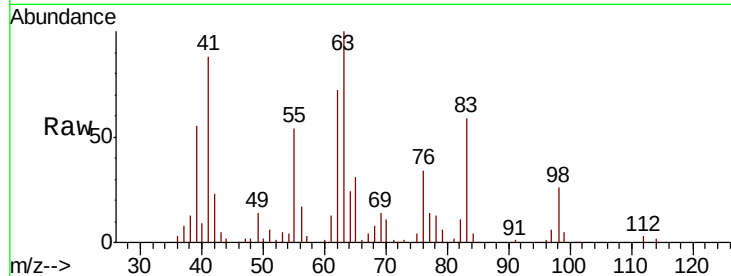
VU1127WBSD01

Tot Ion: 63 Resp: 72650

Ion Ratio Lower Upper

63 100

65 30.7 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0

6.43

40000

30000

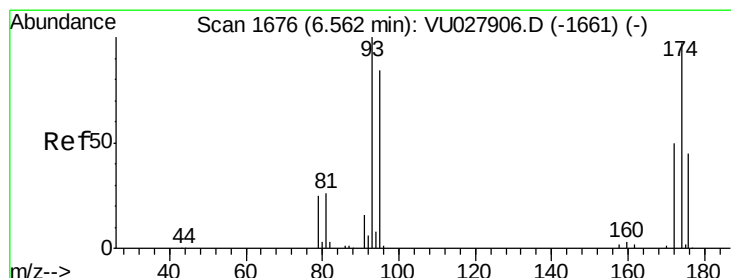
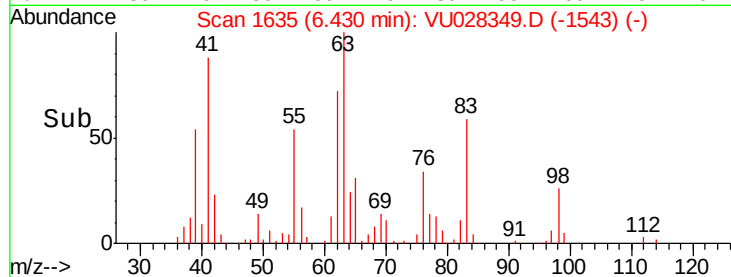
20000

10000

0

6.35 6.40 6.45 6.50

Time-->



#46

Dibromomethane

Concen: 21.948 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU028349.D

Acq: 27 Nov 2018 20:38

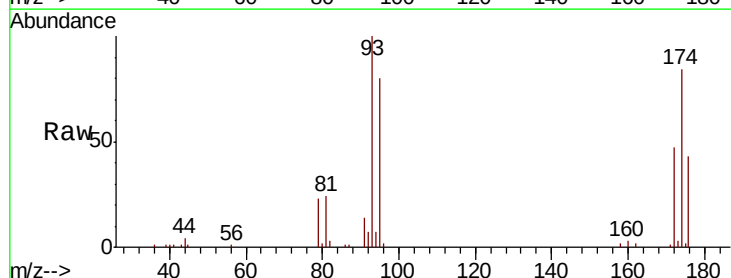
Tgt Ion: 93 Resp: 41970

Ion Ratio Lower Upper

93 100

95 83.7 68.5 102.7

174 85.2 76.1 114.1



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

30000

25000

20000

15000

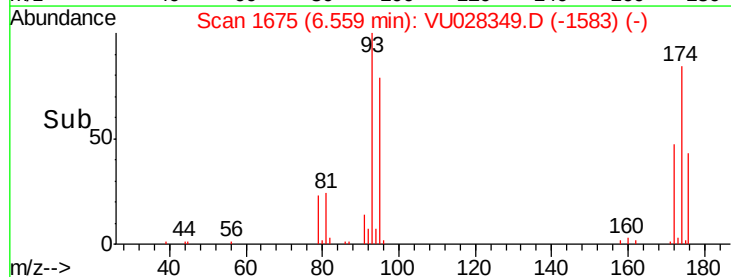
10000

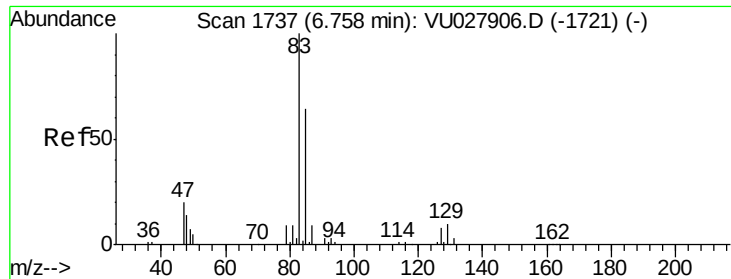
5000

0

6.50 6.55 6.60 6.65

Time-->

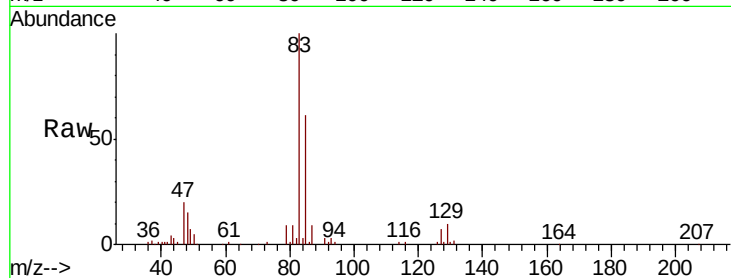




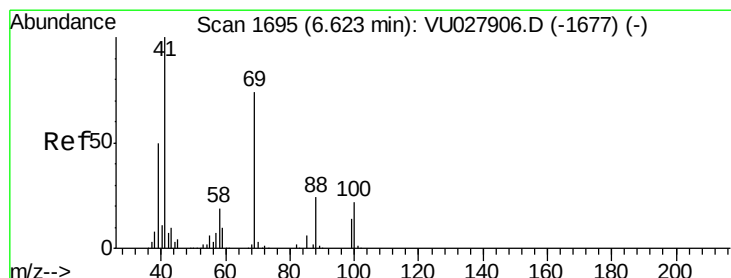
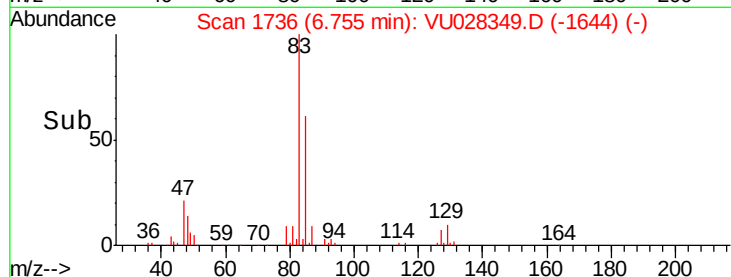
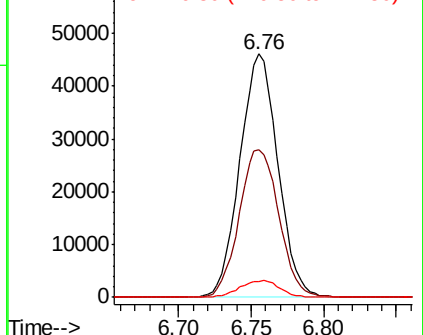
#47  
Bromodichloromethane  
Concen: 22.817 ug/l  
RT: 6.76 min Scan# 1736  
Delta R.T. -0.00 min  
Lab File: VU028349.D  
Acq: 27 Nov 2018 20:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1127WBSD01

Tot Ion: 83 Resp: 84085  
Ion Ratio Lower Upper  
83 100  
85 60.7 51.0 76.6  
127 6.7 6.2 9.4

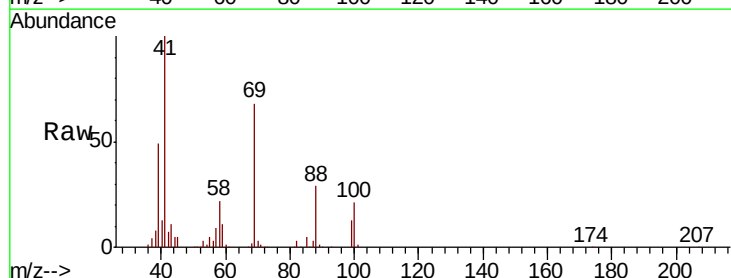


Abundance Ion 82.90 (82.60 to 83.60): VU0  
Ion 84.90 (84.60 to 85.60): VU0  
Ion 126.80 (126.50 to 127.50): V

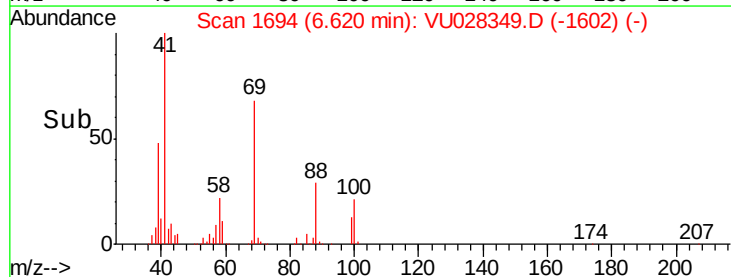
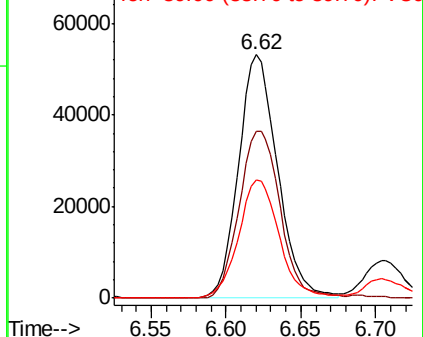


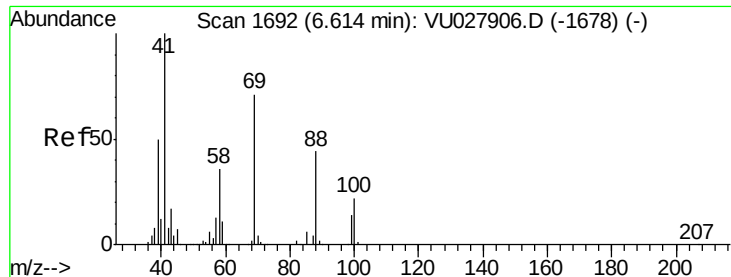
#48  
Methyl methacrylate  
Concen: 22.807 ug/l  
RT: 6.62 min Scan# 1694  
Delta R.T. -0.00 min  
Lab File: VU028349.D  
Acq: 27 Nov 2018 20:38

Tgt Ion: 41 Resp: 96801  
Ion Ratio Lower Upper  
41 100  
69 71.7 59.8 89.8  
39 50.5 40.0 60.0



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

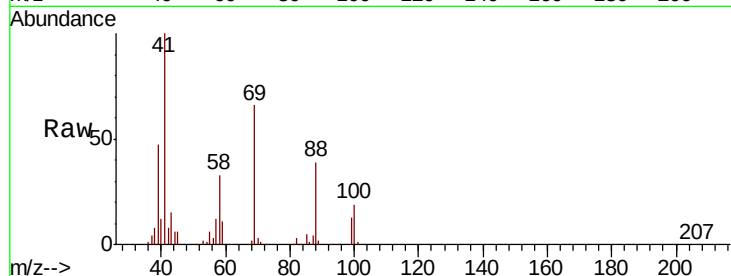




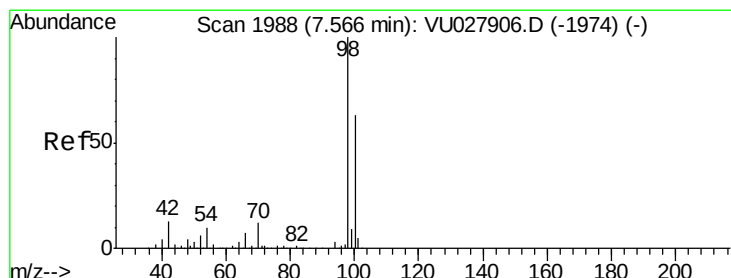
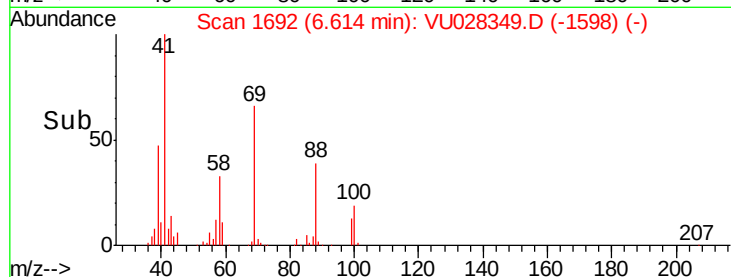
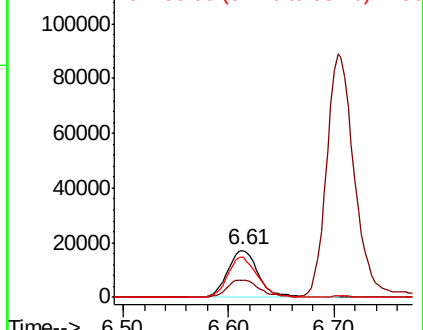
#49  
1,4-Dioxane  
Concen: 501.249 ug/l  
RT: 6.61 min Scan# 1692  
Delta R.T. 0.00 min  
Lab File: VU028349.D  
Acq: 27 Nov 2018 20:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1127WBSD01

Tot Ion: 88 Resp: 34710  
Ion Ratio Lower Upper  
88 100  
43 39.0 30.5 45.7  
58 82.9 67.1 100.7

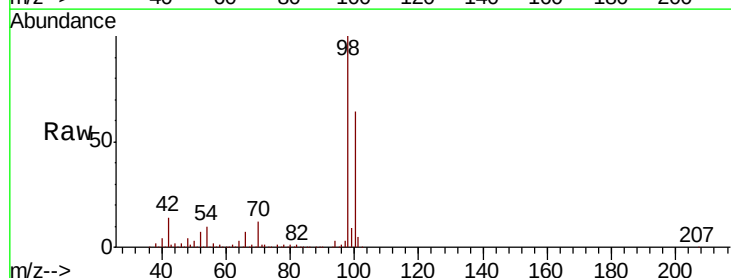


Abundance Ion 88.00 (87.70 to 88.70): VU0  
Ion 43.00 (42.70 to 43.70): VU0  
Ion 58.00 (57.70 to 58.70): VU0

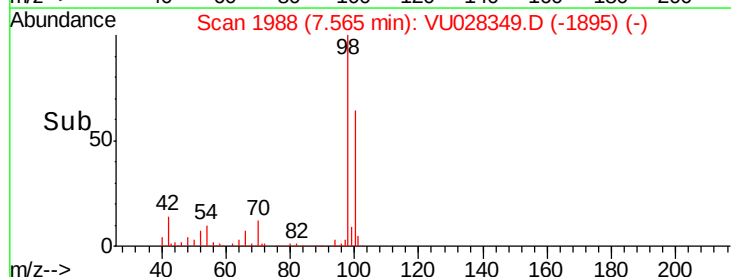
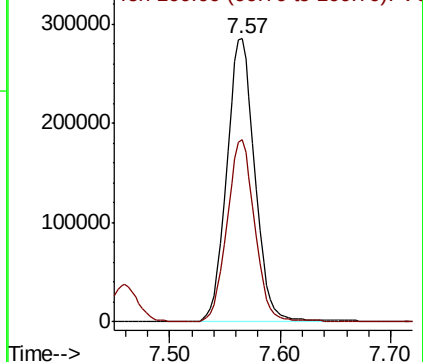


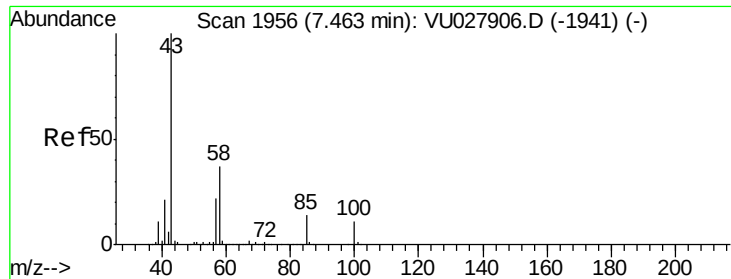
#50  
Toluene-d8  
Concen: 57.258 ug/l  
RT: 7.57 min Scan# 1988  
Delta R.T. -0.00 min  
Lab File: VU028349.D  
Acq: 27 Nov 2018 20:38

Tgt Ion: 98 Resp: 502397  
Ion Ratio Lower Upper  
98 100  
100 63.0 50.1 75.1



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

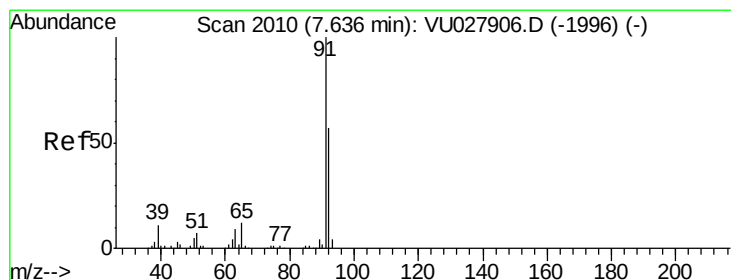
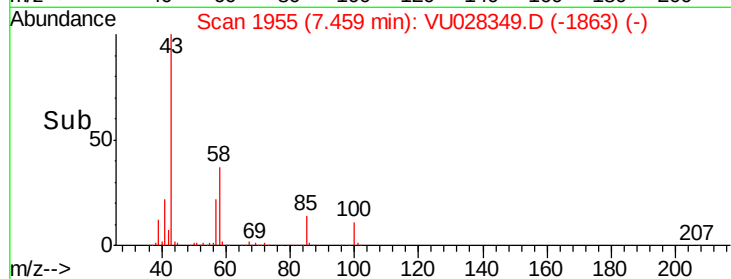
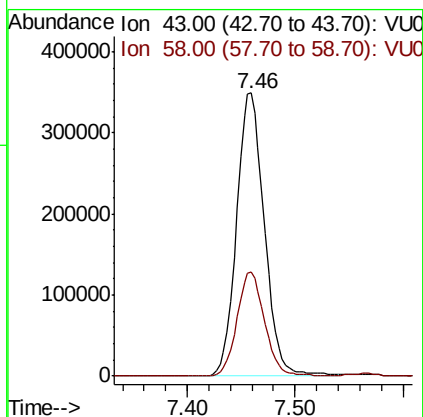
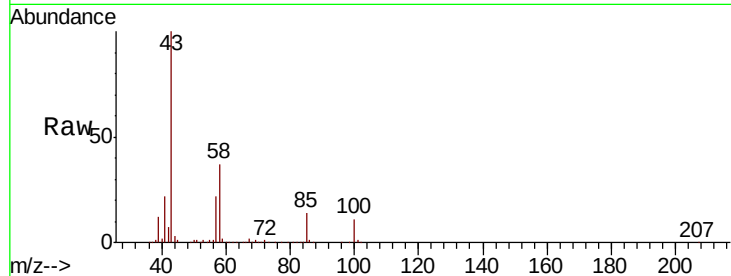




#51  
 4-Methyl-2-Pentanone  
 Concen: 108.074 ug/l  
 RT: 7.46 min Scan# 1955  
 Delta R.T. -0.00 min  
 Lab File: VU028349.D  
 Acq: 27 Nov 2018 20:38

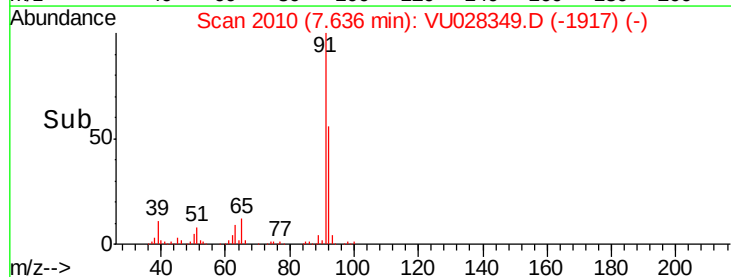
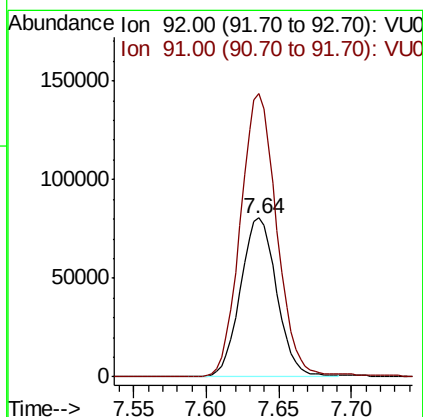
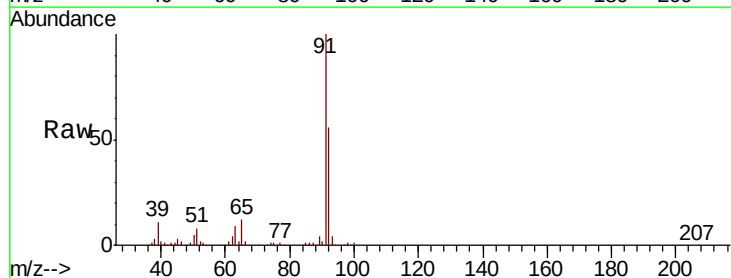
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1127WBSD01

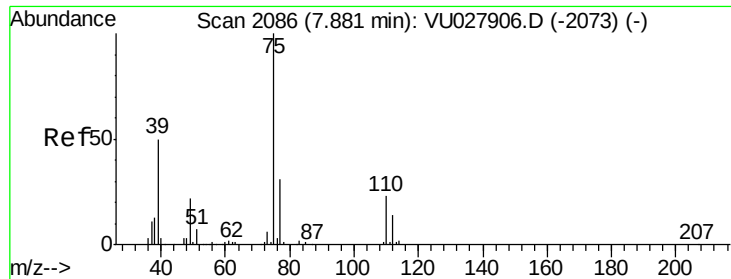
Tot Ion: 43 Resp: 625124  
 Ion Ratio Lower Upper  
 43 100  
 58 36.5 29.5 44.3



#52  
 Toluene  
 Concen: 20.678 ug/l  
 RT: 7.64 min Scan# 2010  
 Delta R.T. -0.00 min  
 Lab File: VU028349.D  
 Acq: 27 Nov 2018 20:38

Tgt Ion: 92 Resp: 140229  
 Ion Ratio Lower Upper  
 92 100  
 91 179.3 141.2 211.8





#53

t-1,3-Dichloropropene

Concen: 21.908 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028349.D

Acq: 27 Nov 2018 20:38

Instrument :

MSVOA\_U

ClientSampleId :

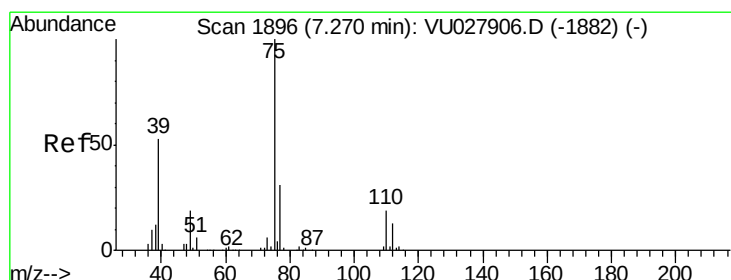
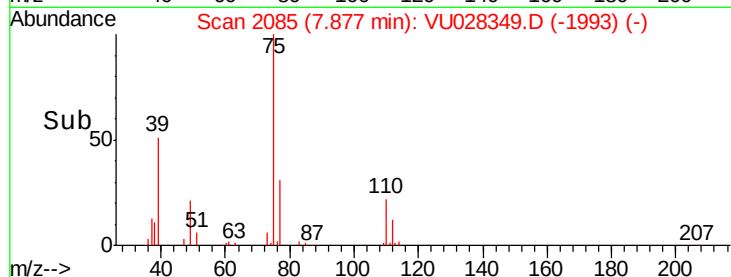
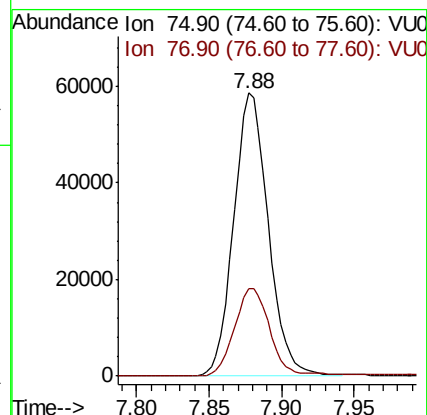
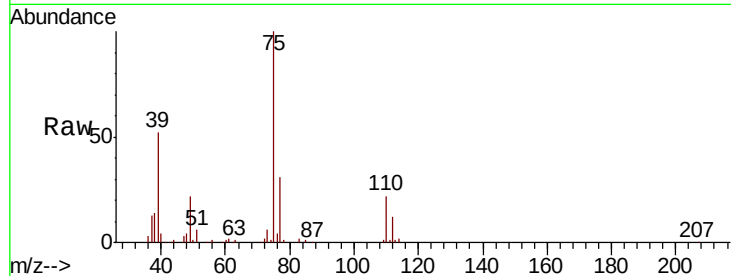
VU1127WBSD01

Tot Ion: 75 Resp: 97180

Ion Ratio Lower Upper

75 100

77 30.9 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 22.556 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. -0.00 min

Lab File: VU028349.D

Acq: 27 Nov 2018 20:38

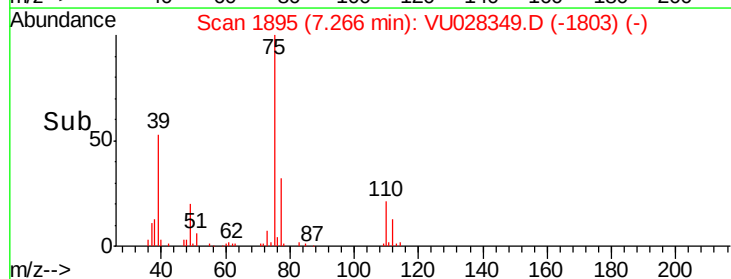
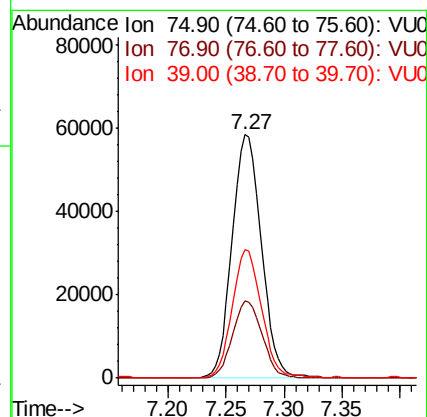
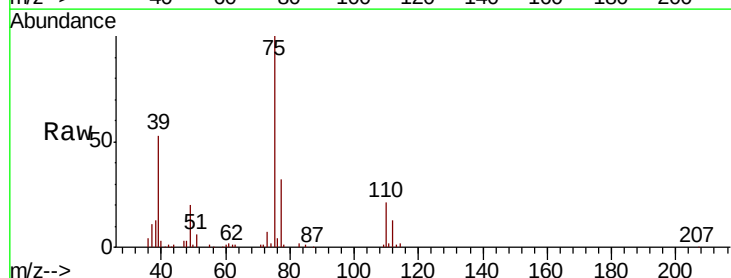
Tgt Ion: 75 Resp: 102470

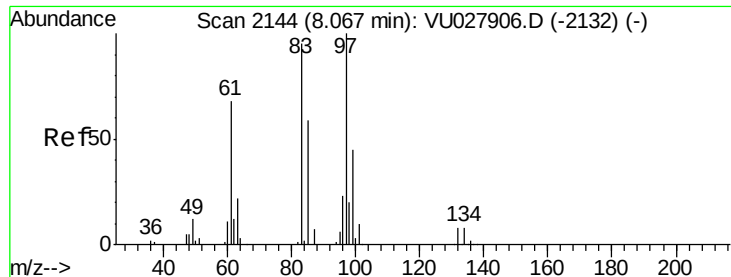
Ion Ratio Lower Upper

75 100

77 31.6 24.6 37.0

39 52.7 42.6 64.0

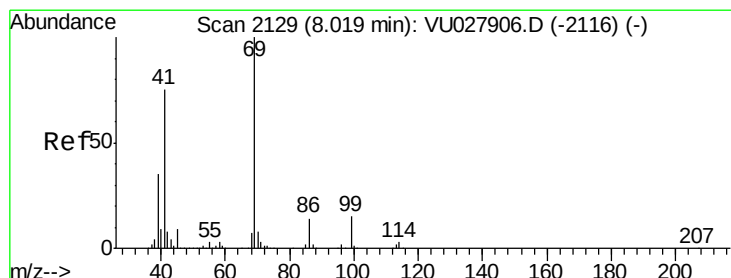
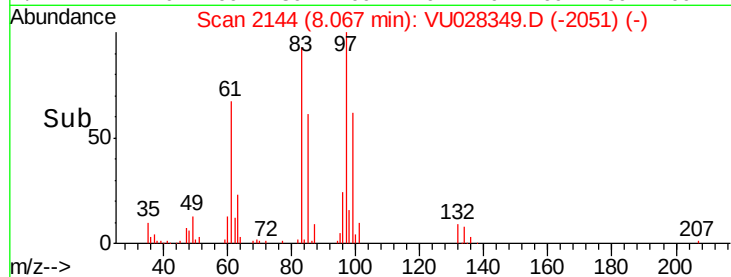
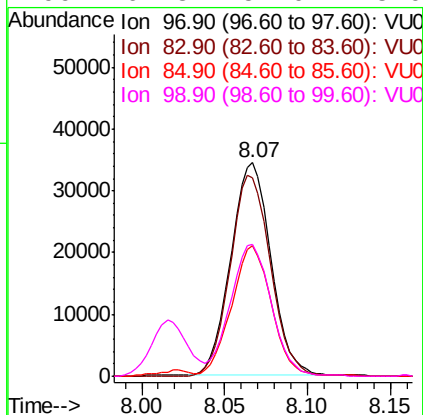
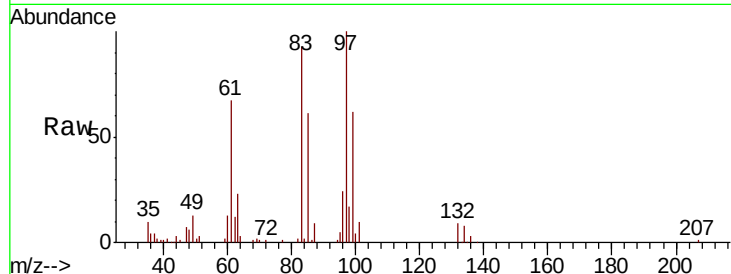




#55  
 1,1,2-Trichloroethane  
 Concen: 21.106 ug/l  
 RT: 8.07 min Scan# 2144  
 Delta R.T. -0.00 min  
 Lab File: VU028349.D  
 Acq: 27 Nov 2018 20:38

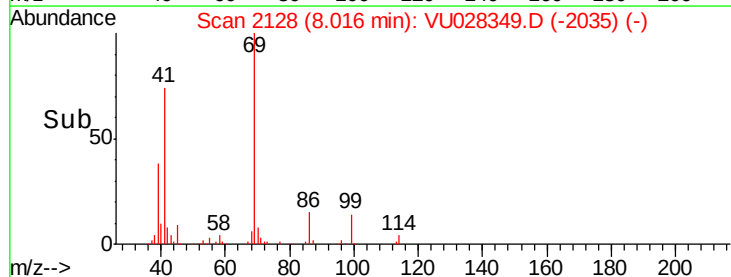
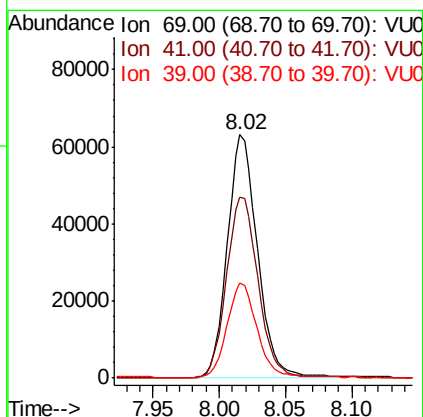
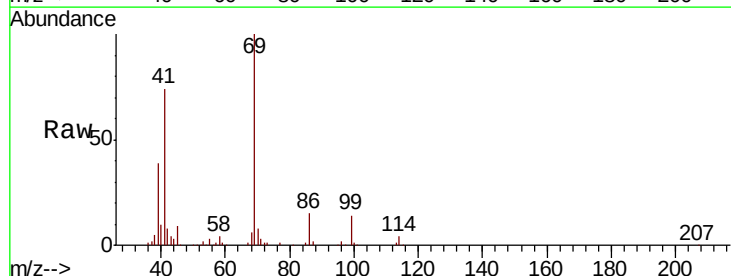
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1127WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 58232 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 93.2  | 76.1  | 114.1 |
| 85       | 60.6  | 48.9  | 73.3  |
| 99       | 61.3  | 52.0  | 78.0  |

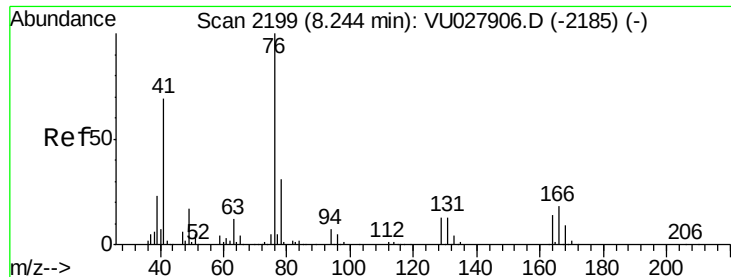


#56  
 Ethyl methacrylate  
 Concen: 20.583 ug/l  
 RT: 8.02 min Scan# 2128  
 Delta R.T. -0.00 min  
 Lab File: VU028349.D  
 Acq: 27 Nov 2018 20:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 100151 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 77.7  | 59.8  | 89.6   |
| 39       | 38.3  | 28.6  | 42.8   |



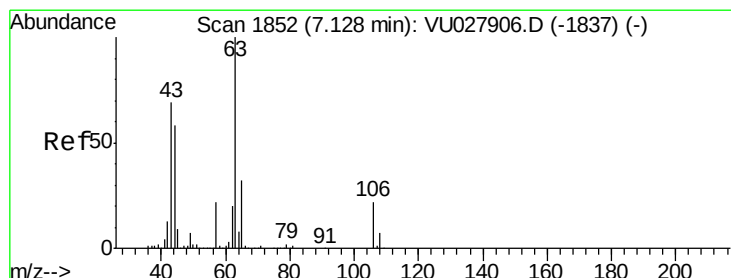
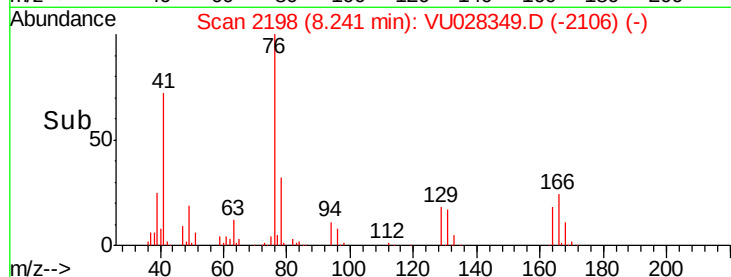
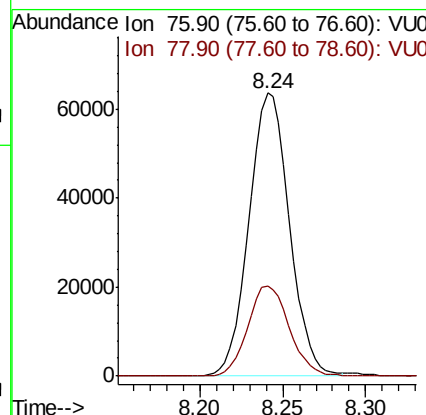
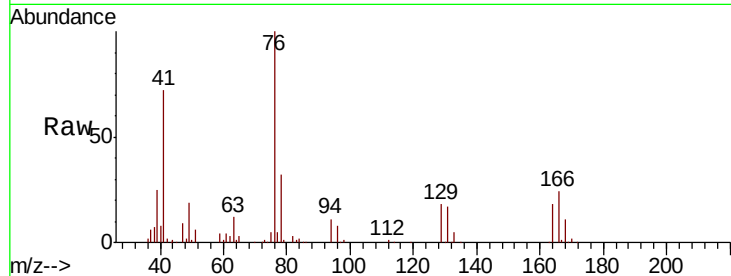




#57  
 1,3-Dichloropropane  
 Concen: 21.552 ug/l  
 RT: 8.24 min Scan# 2198  
 Delta R.T. -0.00 min  
 Lab File: VU028349.D  
 Acq: 27 Nov 2018 20:38

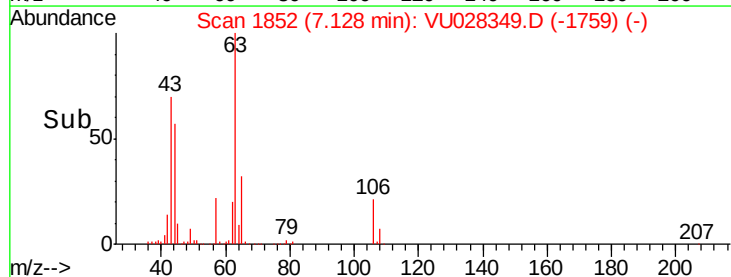
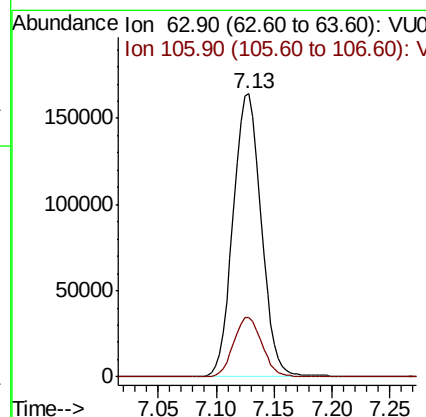
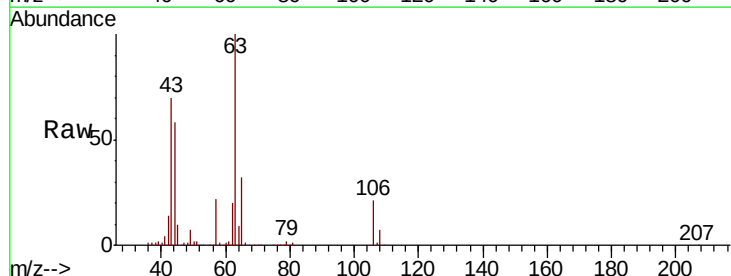
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1127WBSD01

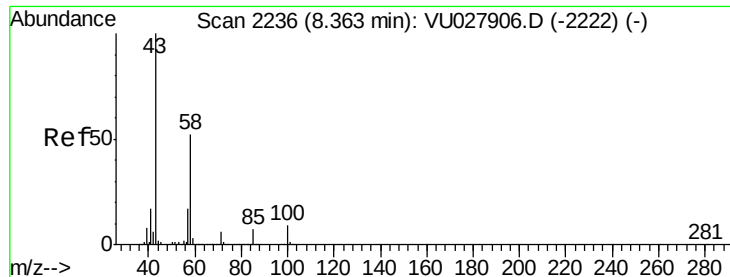
Tot Ion: 76 Resp: 108318  
 Ion Ratio Lower Upper  
 76 100  
 78 32.8 25.3 37.9



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 106.404 ug/l  
 RT: 7.13 min Scan# 1852  
 Delta R.T. -0.00 min  
 Lab File: VU028349.D  
 Acq: 27 Nov 2018 20:38

Tgt Ion: 63 Resp: 277280  
 Ion Ratio Lower Upper  
 63 100  
 106 21.3 17.8 26.6

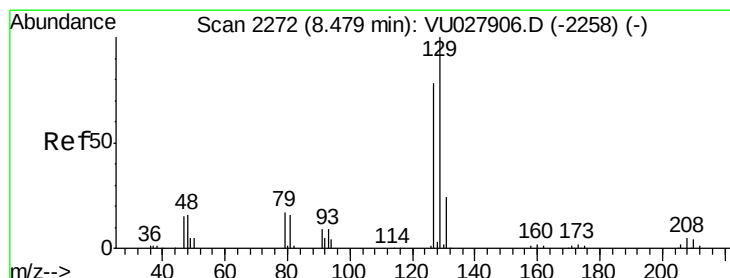
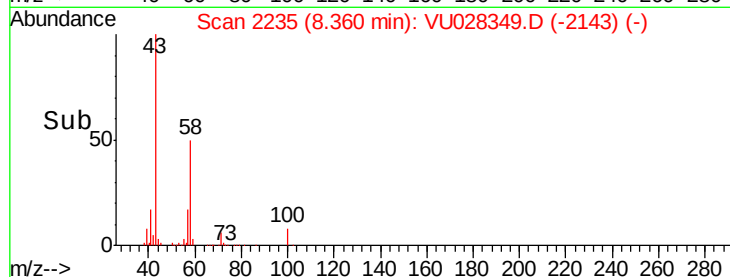
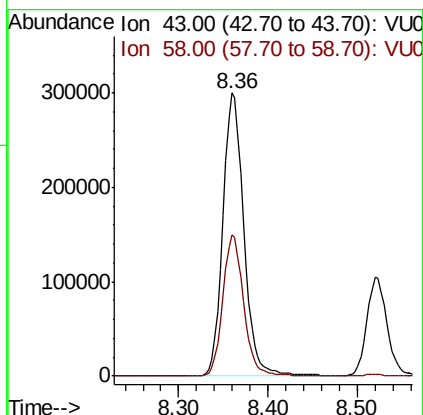
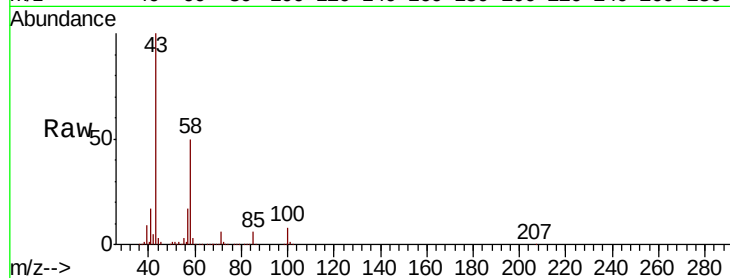




#59  
2-Hexanone  
Concen: 109.457 ug/l  
RT: 8.36 min Scan# 2235  
Delta R.T. -0.00 min  
Lab File: VU028349.D  
Acq: 27 Nov 2018 20:38

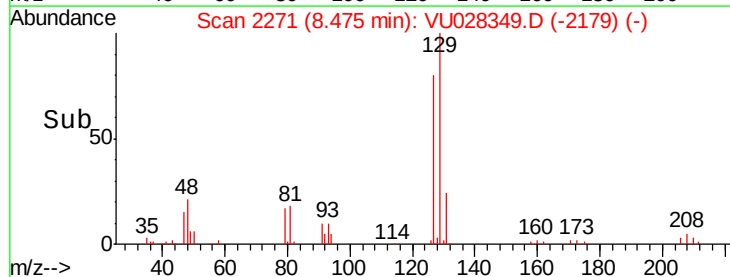
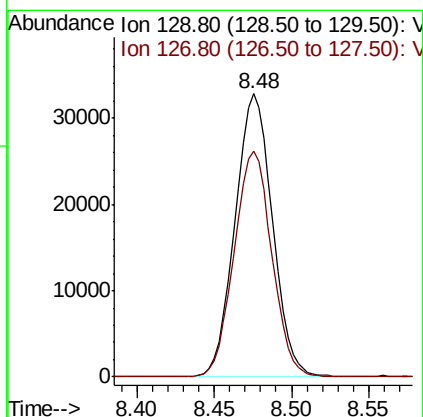
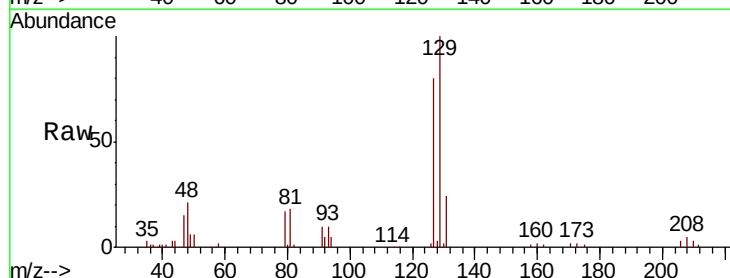
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1127WBSD01

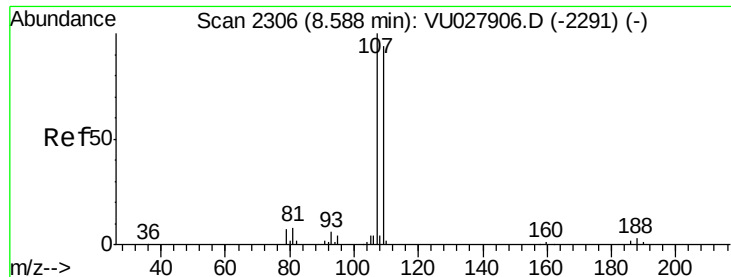
Tot Ion: 43 Resp: 489678  
Ion Ratio Lower Upper  
43 100  
58 49.6 25.8 77.3



#60  
Dibromochloromethane  
Concen: 21.138 ug/l  
RT: 8.48 min Scan# 2271  
Delta R.T. -0.00 min  
Lab File: VU028349.D  
Acq: 27 Nov 2018 20:38

Tgt Ion:129 Resp: 55188  
Ion Ratio Lower Upper  
129 100  
127 80.1 39.2 117.6





#61

1,2-Dibromoethane

Concen: 20.698 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028349.D

Acq: 27 Nov 2018 20:38

Instrument :

MSVOA\_U

ClientSampleId :

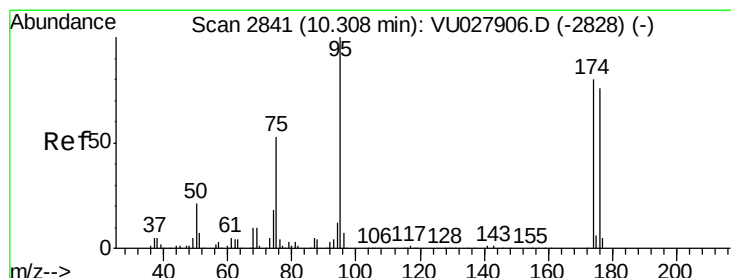
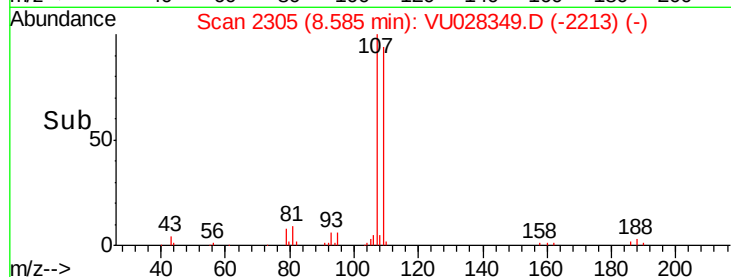
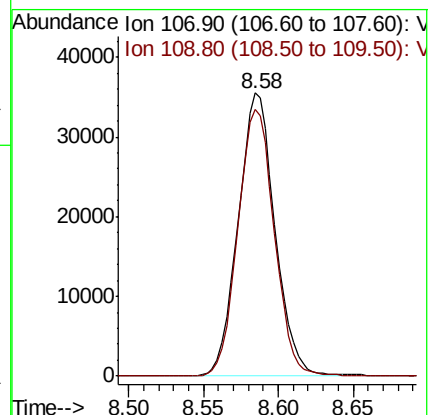
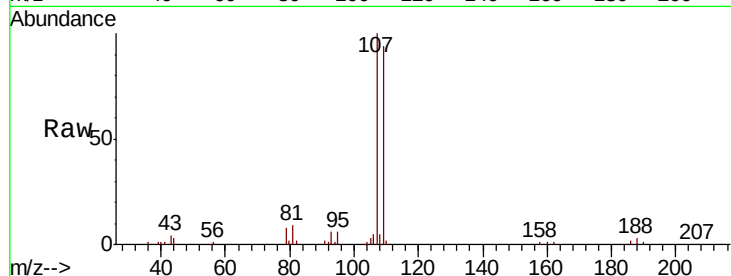
VU1127WBSD01

Tot Ion:107 Resp: 60681

Ion Ratio Lower Upper

107 100

109 93.4 73.8 110.8



#62

4-Bromofluorobenzene

Concen: 56.507 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028349.D

Acq: 27 Nov 2018 20:38

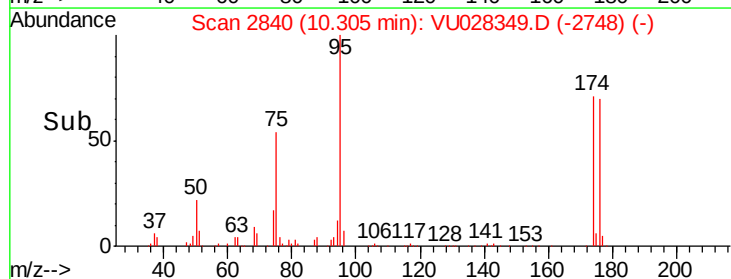
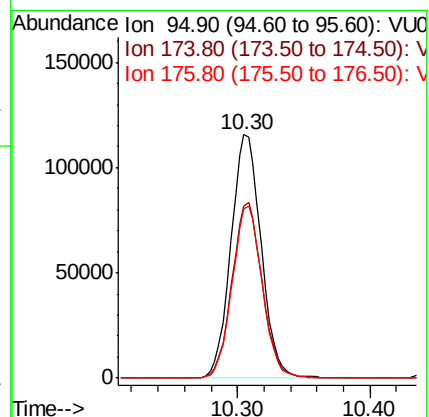
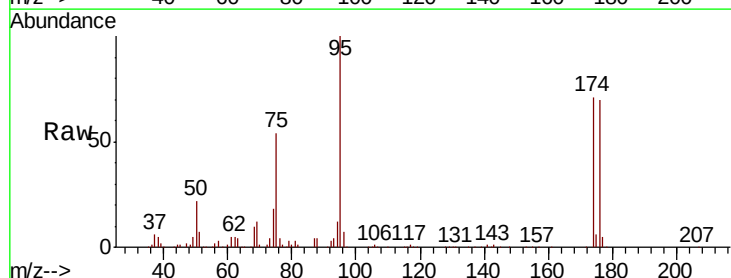
Tgt Ion: 95 Resp: 182878

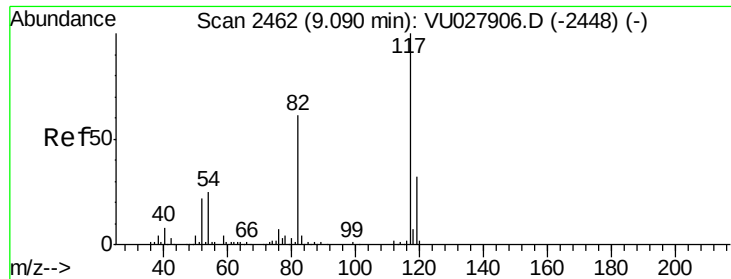
Ion Ratio Lower Upper

95 100

174 72.1 0.0 156.4

176 70.1 0.0 150.8

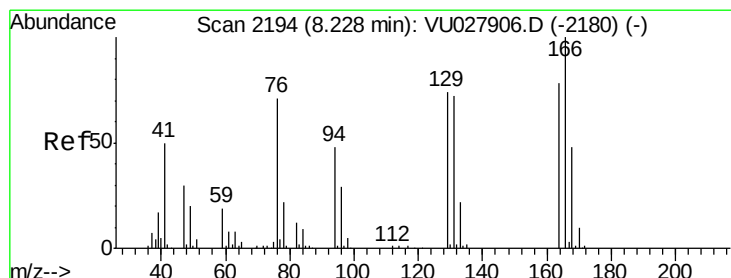
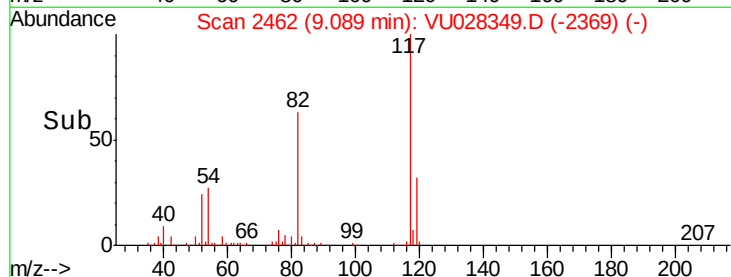
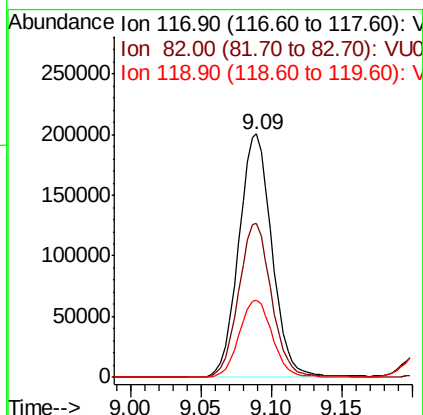
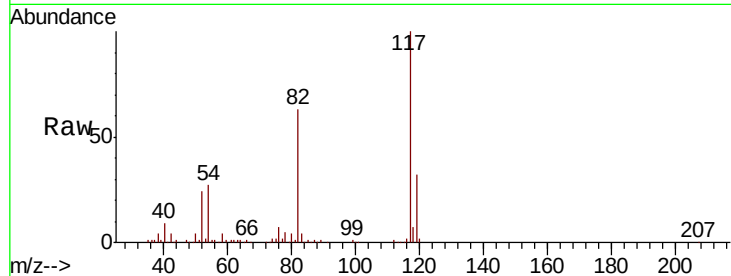




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2462  
Delta R.T. -0.00 min  
Lab File: VU028349.D  
Acq: 27 Nov 2018 20:38

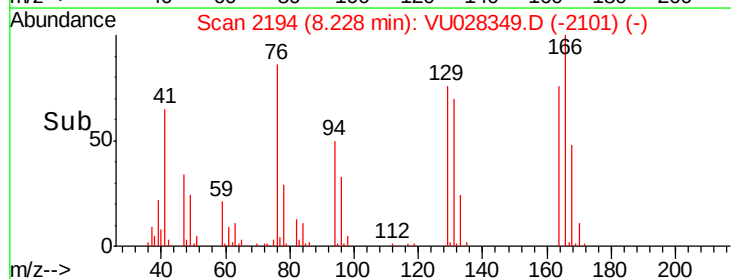
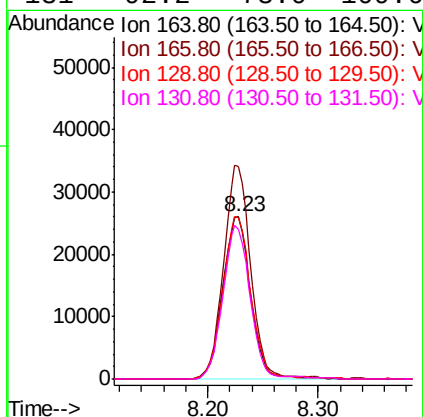
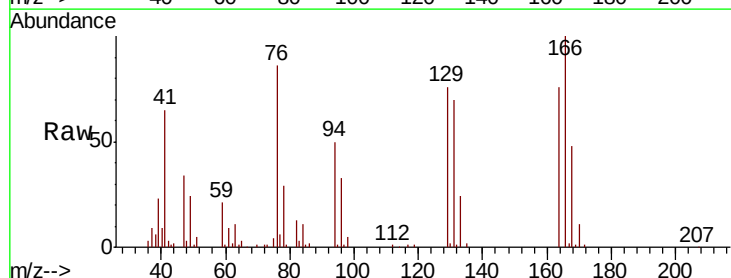
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1127WBSD01

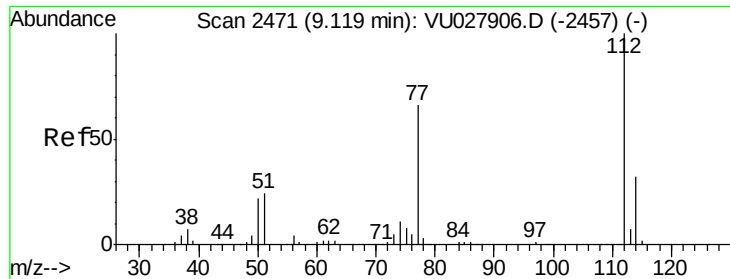
Tot Ion:117 Resp: 329956  
Ion Ratio Lower Upper  
117 100  
82 63.1 48.6 73.0  
119 32.0 25.8 38.8



#64  
Tetrachloroethene  
Concen: 21.413 ug/l  
RT: 8.23 min Scan# 2194  
Delta R.T. -0.00 min  
Lab File: VU028349.D  
Acq: 27 Nov 2018 20:38

Tgt Ion:164 Resp: 45814  
Ion Ratio Lower Upper  
164 100  
166 131.4 102.1 153.1  
129 99.3 75.9 113.9  
131 92.2 73.0 109.6

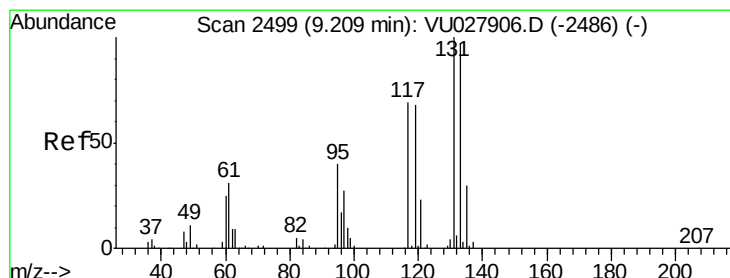
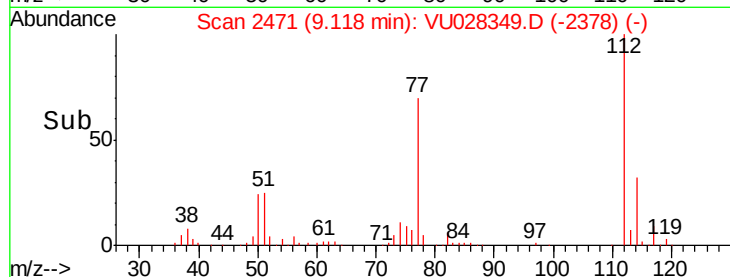
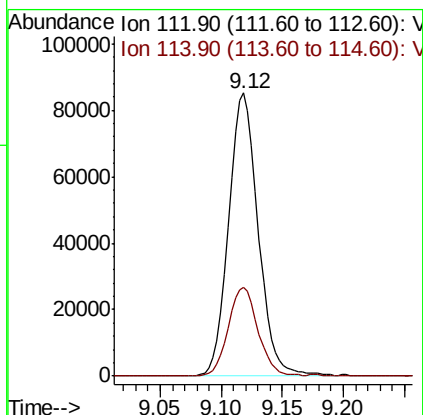
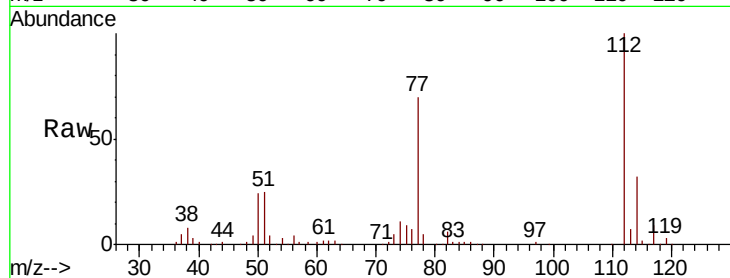




#65  
Chlorobenzene  
Concen: 20.732 ug/l  
RT: 9.12 min Scan# 2471  
Delta R.T. -0.00 min  
Lab File: VU028349.D  
Acq: 27 Nov 2018 20:38

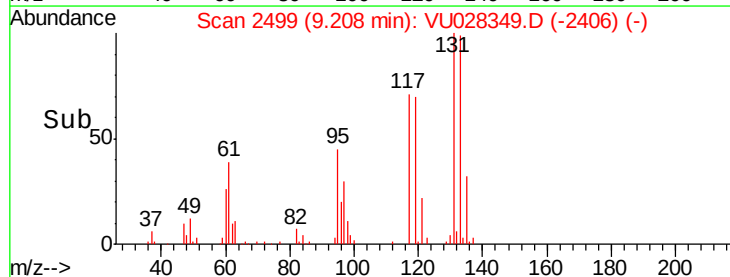
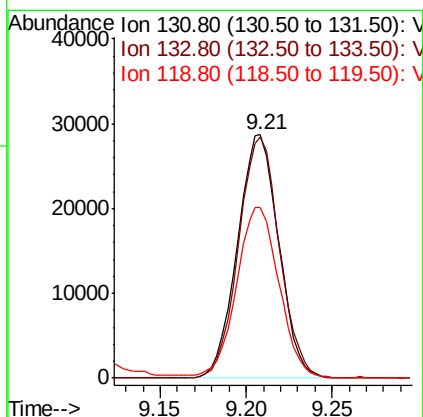
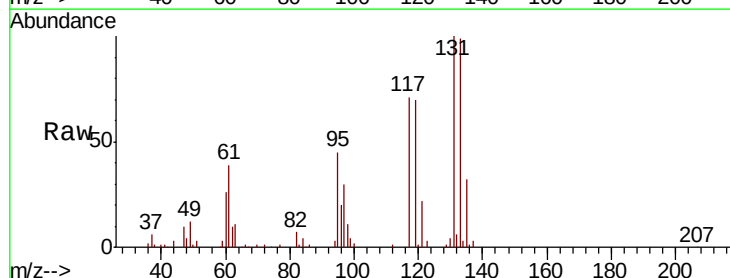
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1127WBSD01

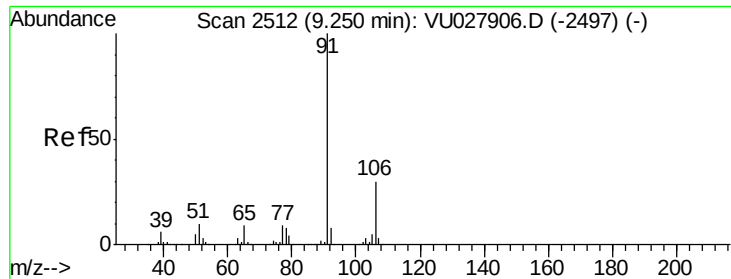
Tot Ion:112 Resp: 144527  
Ion Ratio Lower Upper  
112 100  
114 31.5 25.2 37.8



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.115 ug/l  
RT: 9.21 min Scan# 2499  
Delta R.T. -0.00 min  
Lab File: VU028349.D  
Acq: 27 Nov 2018 20:38

Tgt Ion:131 Resp: 47896  
Ion Ratio Lower Upper  
131 100  
133 98.1 48.1 144.4  
119 72.7 34.0 101.8

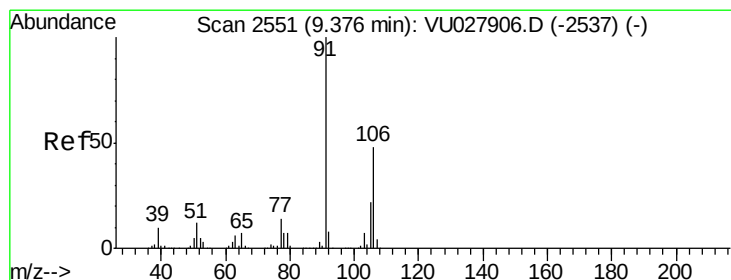
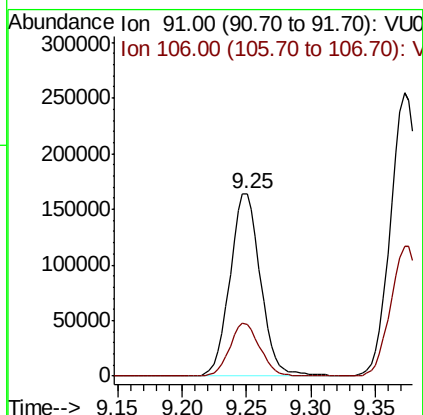
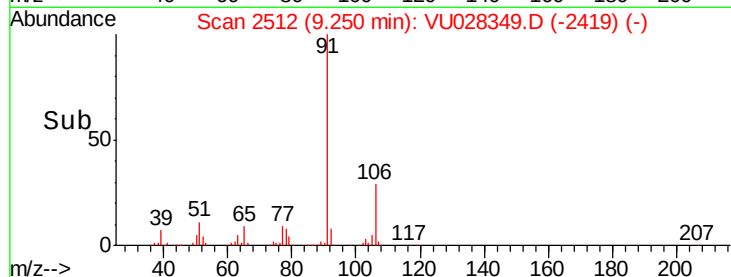
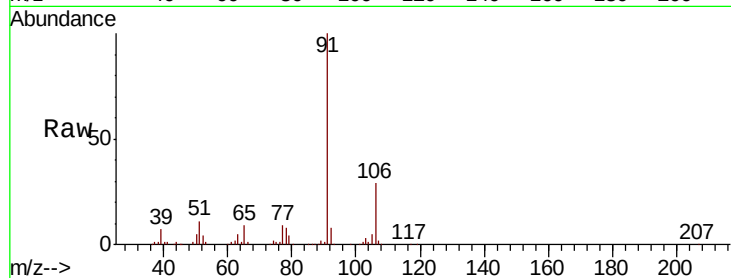




#67  
Ethyl Benzene  
Concen: 21.071 ug/l  
RT: 9.25 min Scan# 2512  
Delta R.T. -0.00 min  
Lab File: VU028349.D  
Acq: 27 Nov 2018 20:38

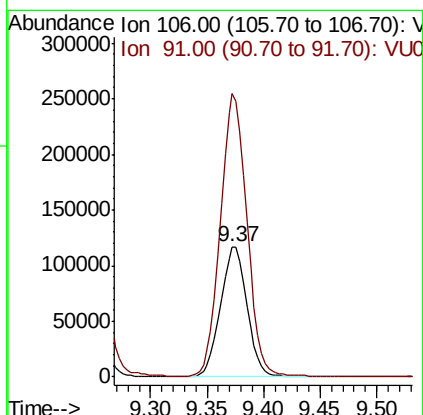
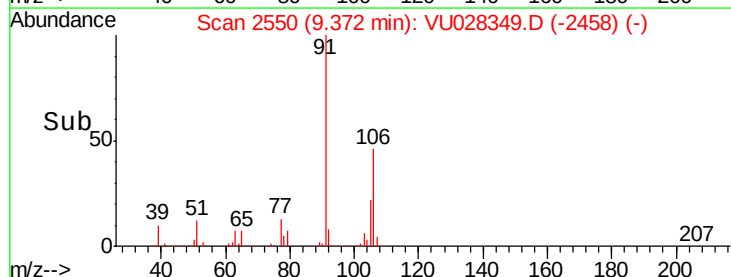
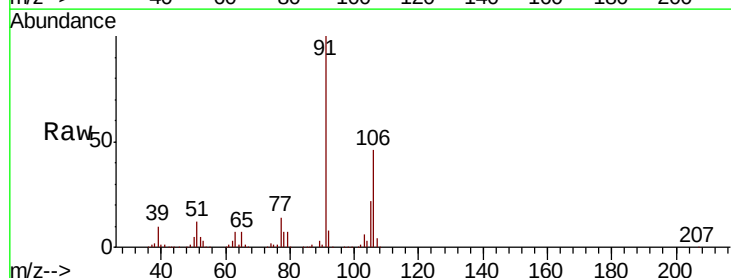
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1127WBSD01

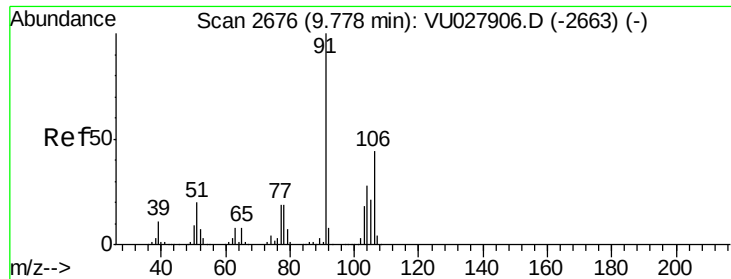
Tot Ion: 91 Resp: 270375  
Ion Ratio Lower Upper  
91 100  
106 28.5 23.6 35.4



#68  
m/p-Xylenes  
Concen: 41.041 ug/l  
RT: 9.37 min Scan# 2550  
Delta R.T. -0.00 min  
Lab File: VU028349.D  
Acq: 27 Nov 2018 20:38

Tgt Ion: 106 Resp: 191080  
Ion Ratio Lower Upper  
106 100  
91 218.9 168.2 252.4

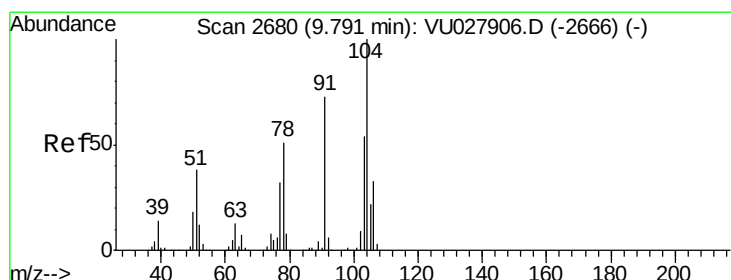
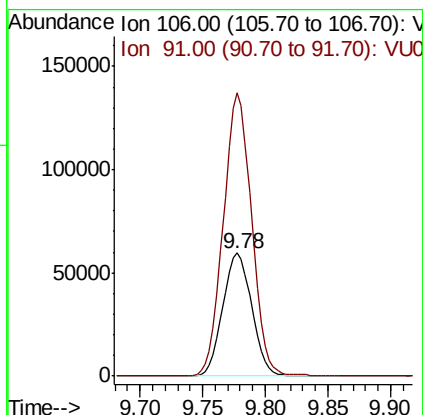
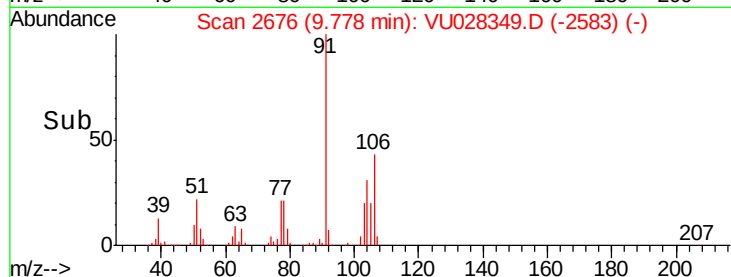
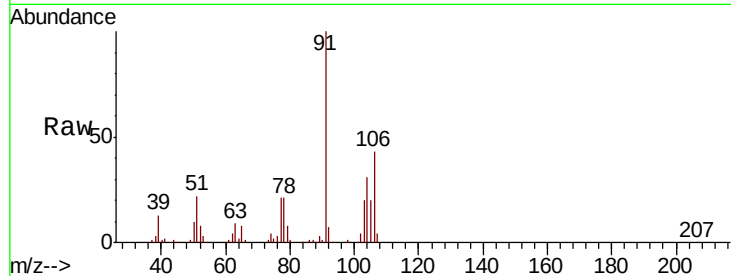




#69  
o-Xylene  
Concen: 20.401 ug/l  
RT: 9.78 min Scan# 2676  
Delta R.T. -0.00 min  
Lab File: VU028349.D  
Acq: 27 Nov 2018 20:38

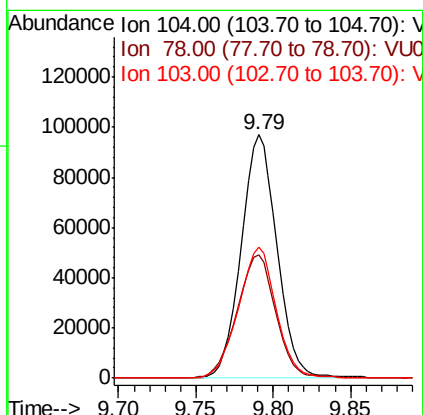
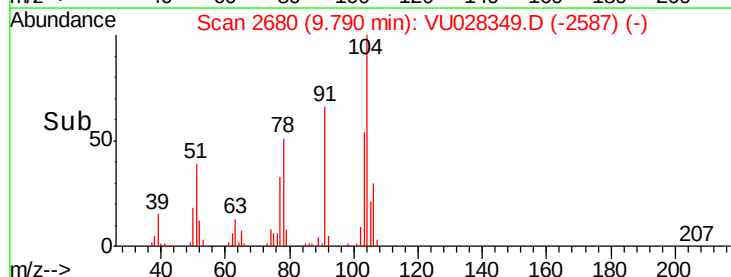
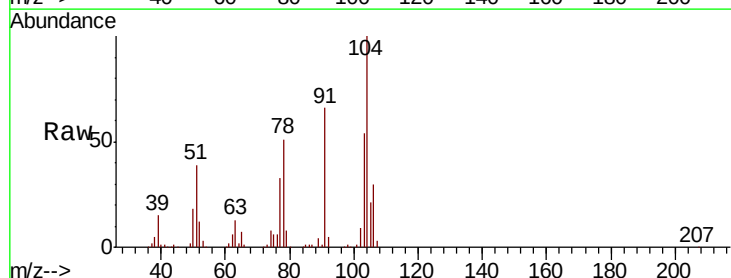
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1127WBSD01

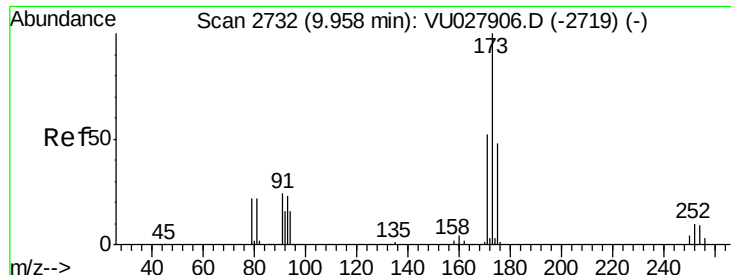
Tot Ion:106 Resp: 95911  
Ion Ratio Lower Upper  
106 100  
91 224.2 111.1 333.4



#70  
Styrene  
Concen: 20.762 ug/l  
RT: 9.79 min Scan# 2680  
Delta R.T. 0.00 min  
Lab File: VU028349.D  
Acq: 27 Nov 2018 20:38

Tgt Ion:104 Resp: 155960  
Ion Ratio Lower Upper  
104 100  
78 55.0 43.0 64.4  
103 57.0 45.1 67.7





#71

Bromoform

Concen: 20.705 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028349.D

Acq: 27 Nov 2018 20:38

Instrument :

MSVOA\_U

ClientSampleId :

VU1127WBSD01

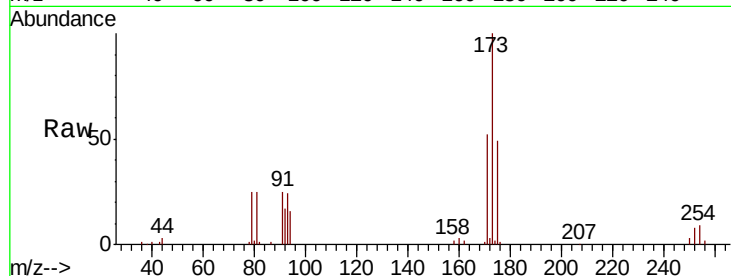
Tot Ion:173 Resp: 41317

Ion Ratio Lower Upper

173 100

175 49.0 24.3 72.8

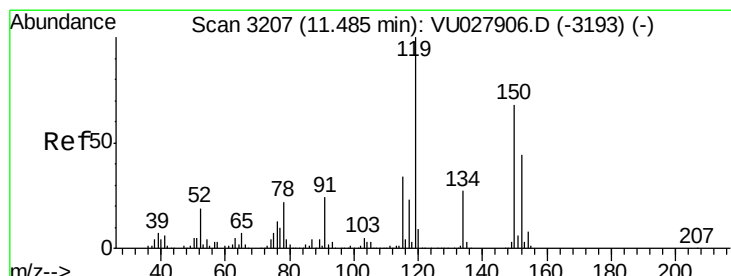
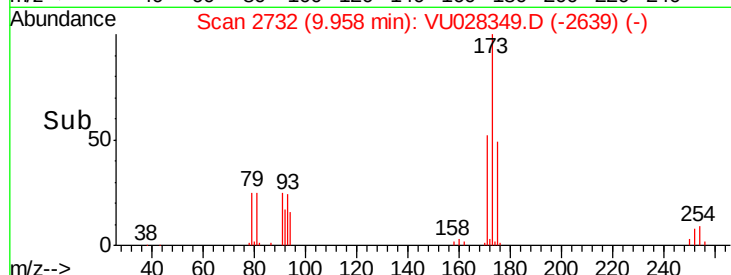
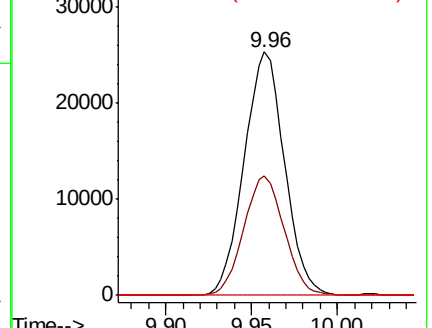
254 0.0 0.0 0.0



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: VU028349.D

Acq: 27 Nov 2018 20:38

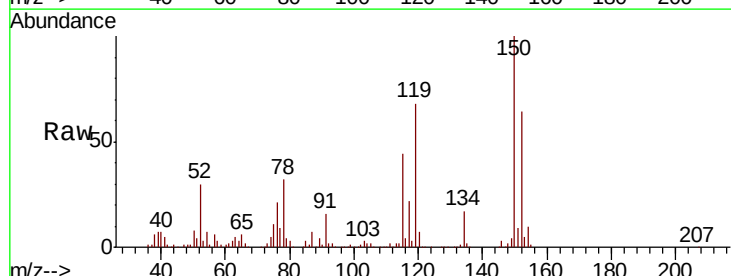
Tgt Ion:152 Resp: 157325

Ion Ratio Lower Upper

152 100

115 70.9 43.0 129.0

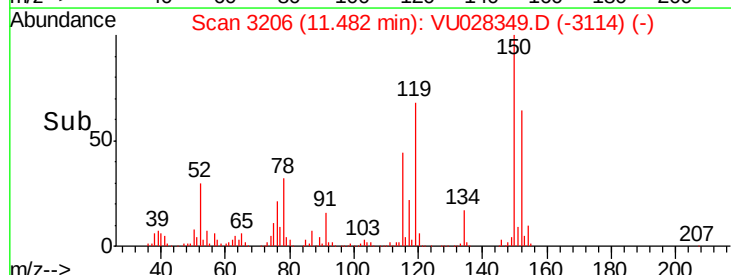
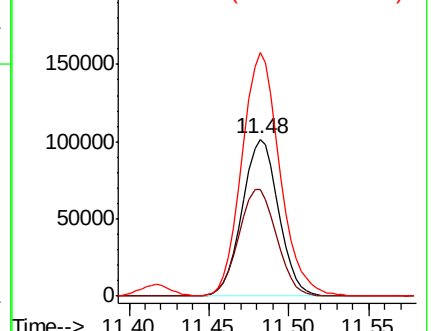
150 161.5 0.0 349.4



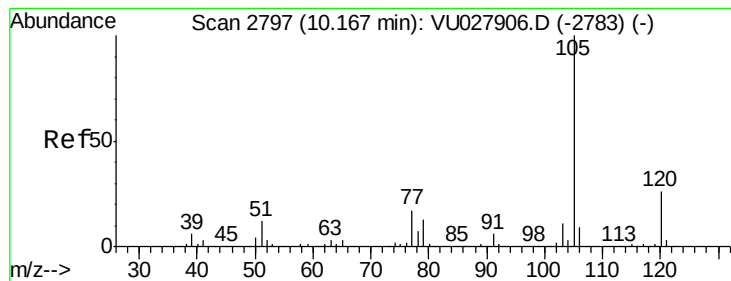
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V







#73

Isopropylbenzene

Concen: 20.796 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028349.D

Acq: 27 Nov 2018 20:38

Instrument :

MSVOA\_U

ClientSampleId :

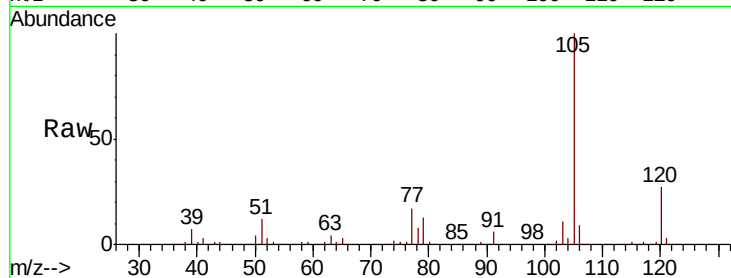
VU1127WBSD01

Tot Ion:105 Resp: 253453

Ion Ratio Lower Upper

105 100

120 26.1 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.16

150000

100000

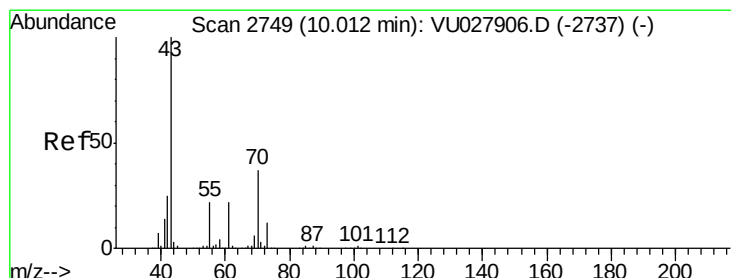
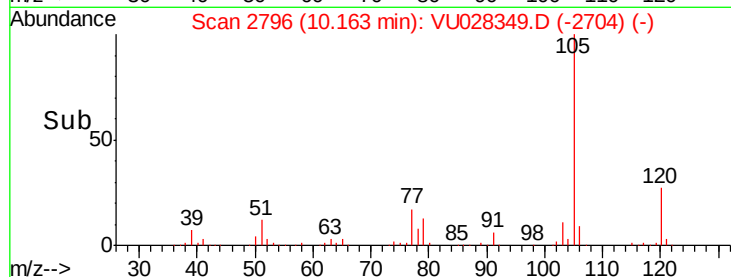
50000

0

Time-->

10.10

10.20



#74

N-ethyl acetate

Concen: 21.802 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028349.D

Acq: 27 Nov 2018 20:38

Tgt Ion: 43 Resp: 160676

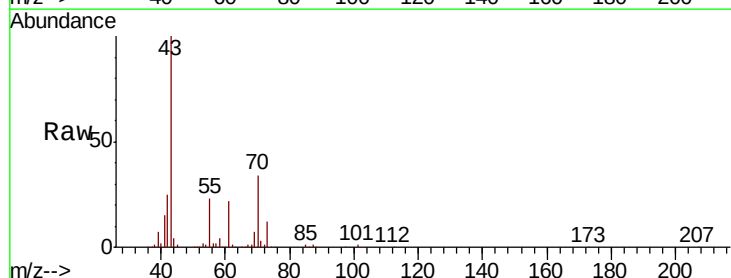
Ion Ratio Lower Upper

43 100

70 34.6 29.2 43.8

55 22.4 17.8 26.6

61 21.5 17.8 26.8



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

150000

100000

50000

0

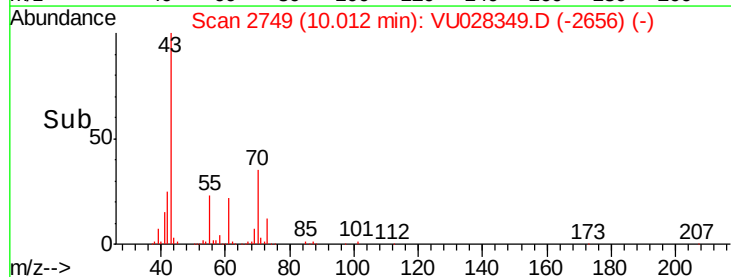
Time-->

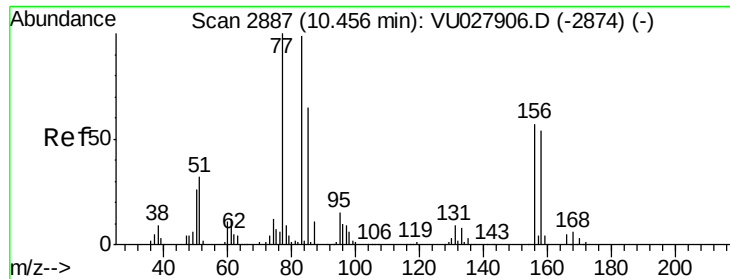
9.95

10.00

10.05

10.10

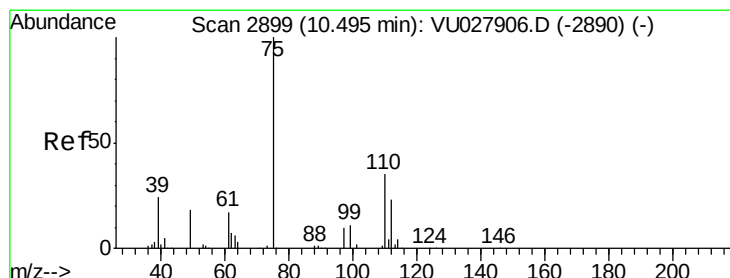
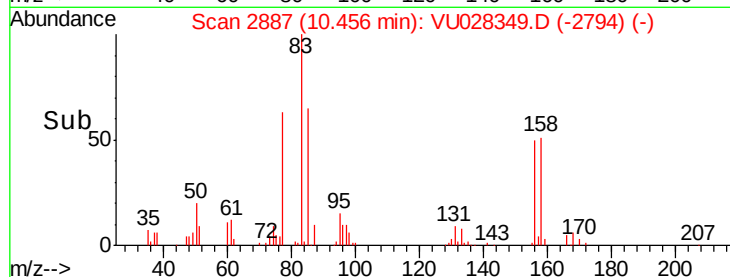
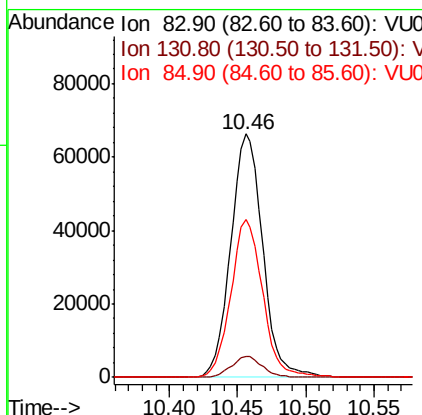
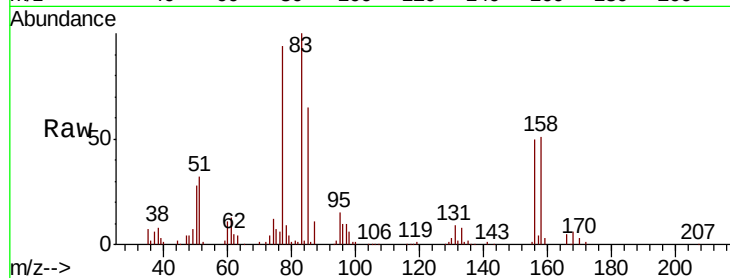




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 21.982 ug/l  
 RT: 10.46 min Scan# 2887  
 Delta R.T. -0.00 min  
 Lab File: VU028349.D  
 Acq: 27 Nov 2018 20:38

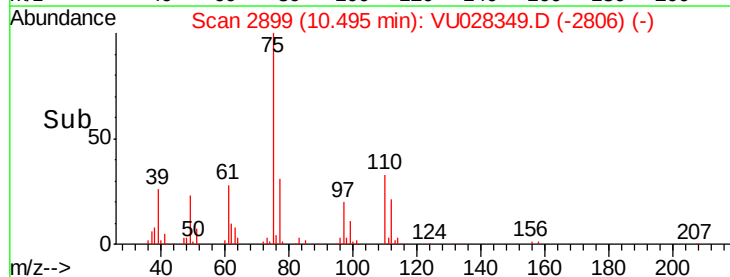
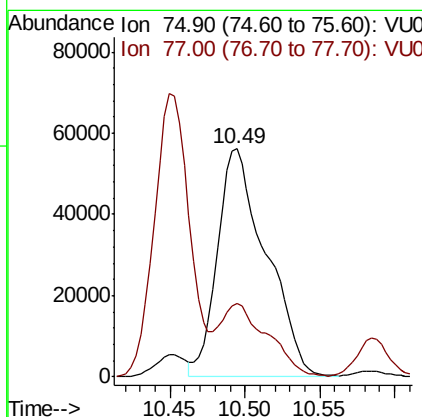
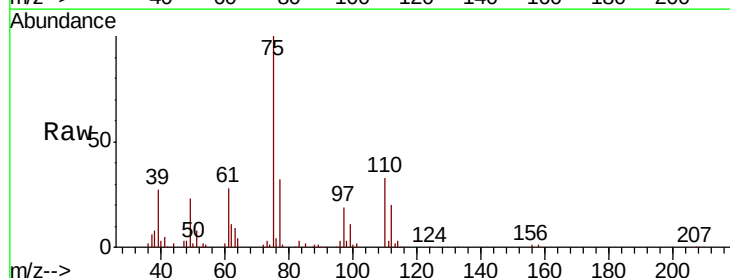
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1127WBSD01

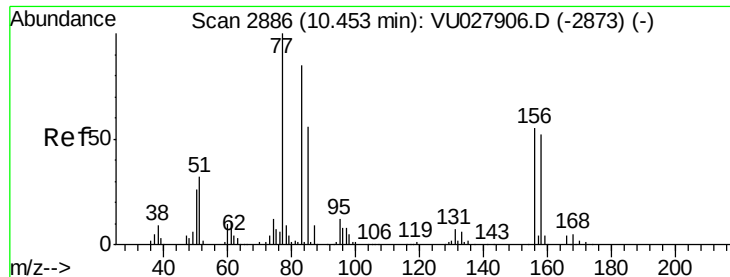
| Tot Ion   | 83    | Resp  | 108067 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 8.3   | 4.3   | 13.1   |
| 85        | 64.6  | 32.4  | 97.2   |



#76  
 1,2,3-Trichloropropane  
 Concen: 29.526 ug/l  
 RT: 10.49 min Scan# 2899  
 Delta R.T. -0.00 min  
 Lab File: VU028349.D  
 Acq: 27 Nov 2018 20:38

| Tgt Ion   | 75    | Resp  | 127061 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 30.8  | 21.6  | 64.6   |





#77

Bromobenzene

Concen: 20.359 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028349.D

Acq: 27 Nov 2018 20:38

Instrument :

MSVOA\_U

ClientSampleId :

VU1127WBSD01

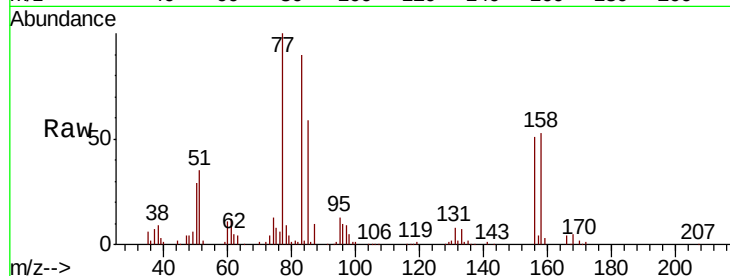
Tot Ion:156 Resp: 56897

Ion Ratio Lower Upper

156 100

77 202.9 91.8 275.6

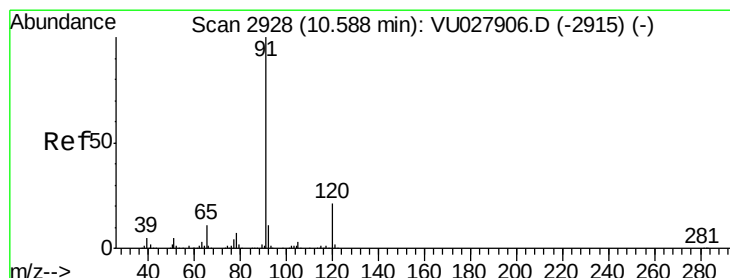
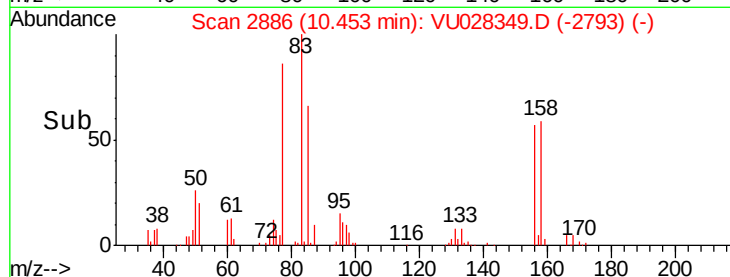
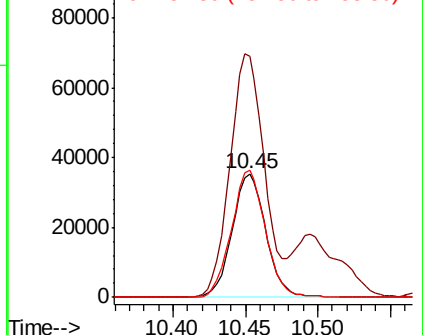
158 103.6 48.4 145.2



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: 21.318 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028349.D

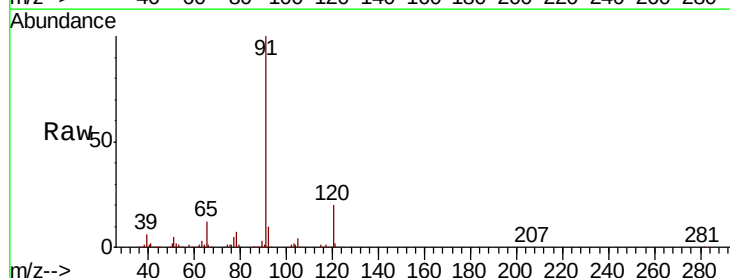
Acq: 27 Nov 2018 20:38

Tgt Ion: 91 Resp: 311005

Ion Ratio Lower Upper

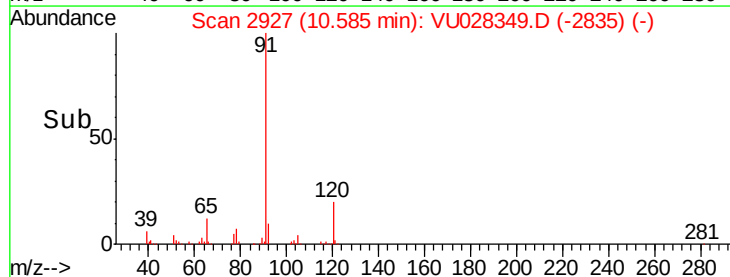
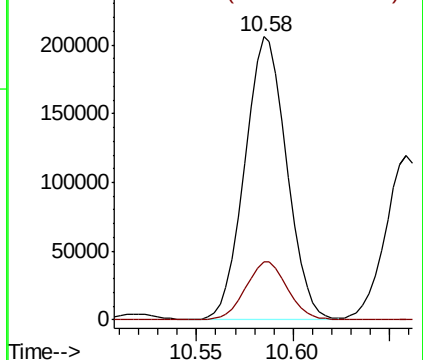
91 100

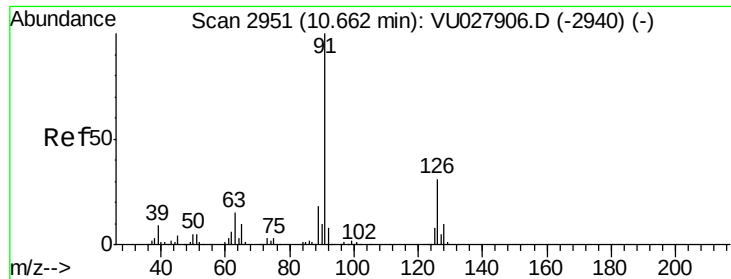
120 20.5 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.388 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028349.D

Acq: 27 Nov 2018 20:38

Instrument :

MSVOA\_U

ClientSampleId :

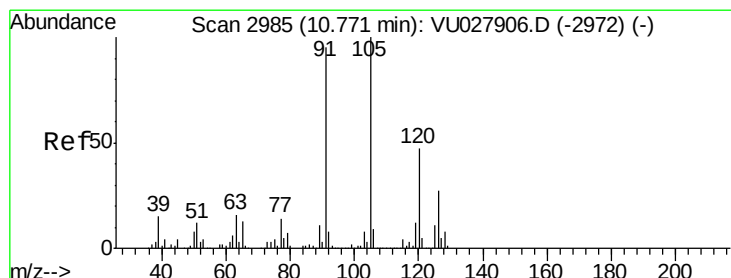
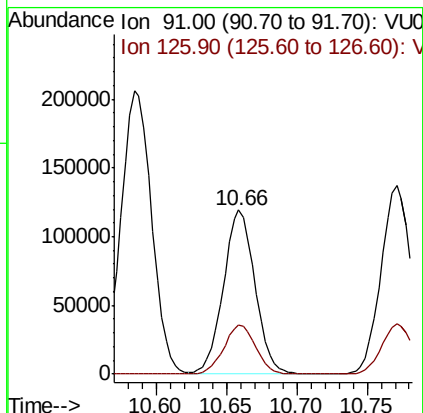
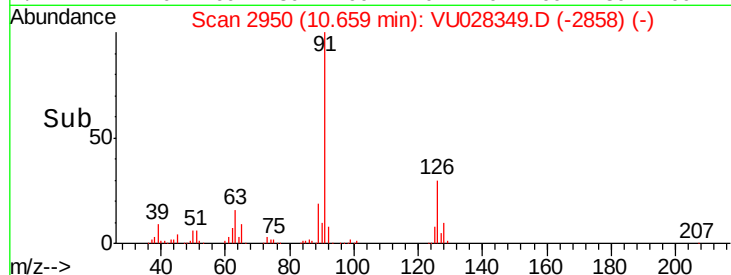
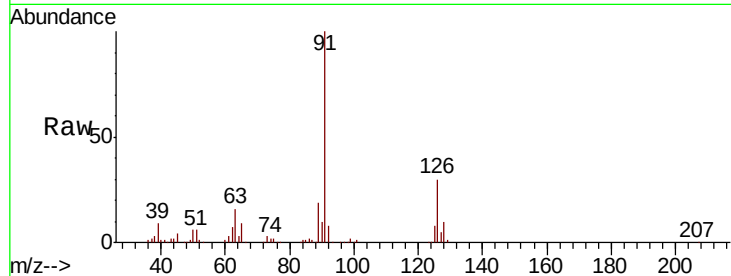
VU1127WBSD01

Tot Ion: 91 Resp: 187025

Ion Ratio Lower Upper

91 100

126 30.2 16.0 47.9



#80

1,3,5-Trimethylbenzene

Concen: 21.078 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028349.D

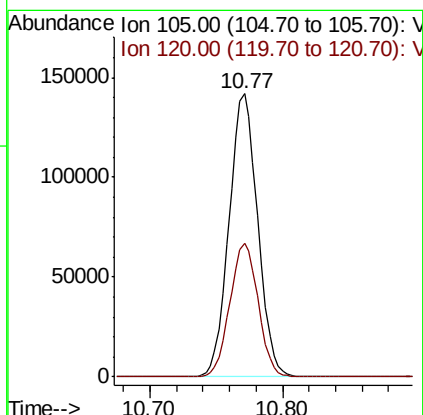
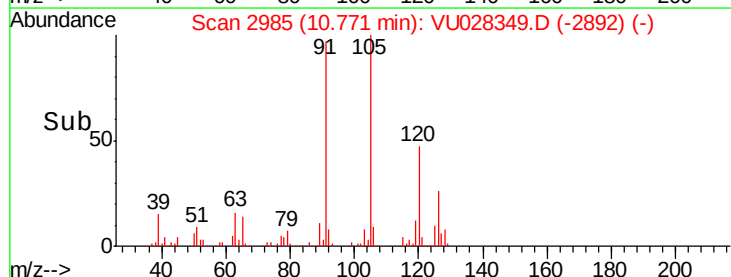
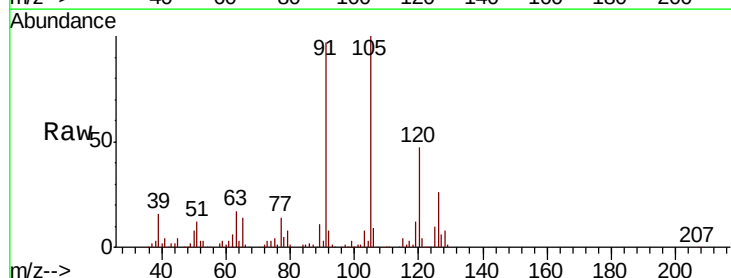
Acq: 27 Nov 2018 20:38

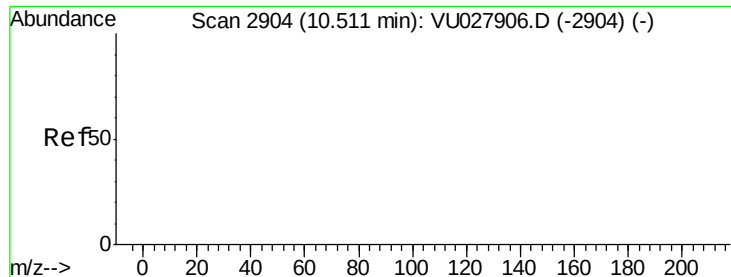
Tgt Ion: 105 Resp: 212804

Ion Ratio Lower Upper

105 100

120 46.5 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 73.597 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

Lab File: VU028349.D

Acq: 27 Nov 2018 20:38

Instrument :

MSVOA\_U

ClientSampleId :

VU1127WBSD01

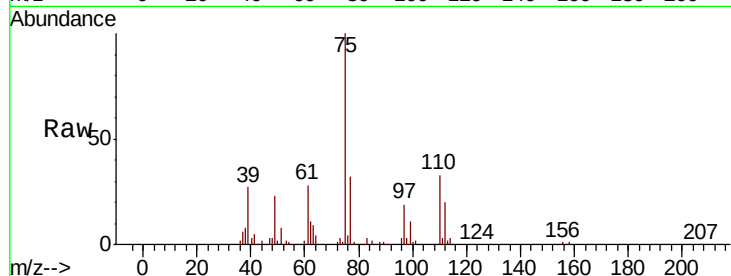
Tot Ion: 75 Resp: 127061

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

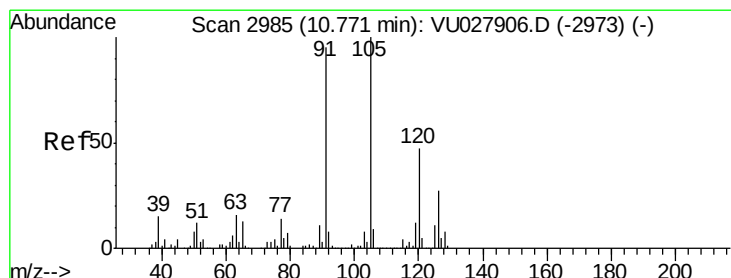
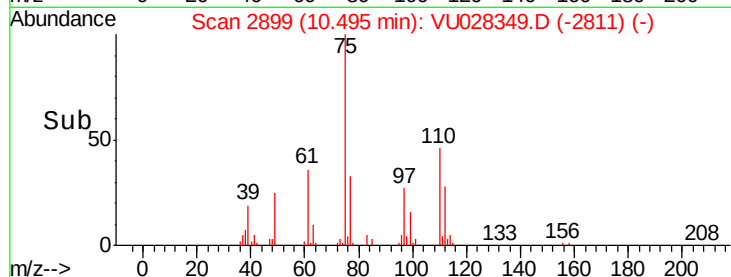
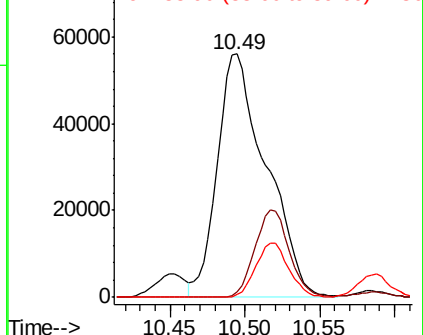
89 0.0 0.0 0.0



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: 21.202 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028349.D

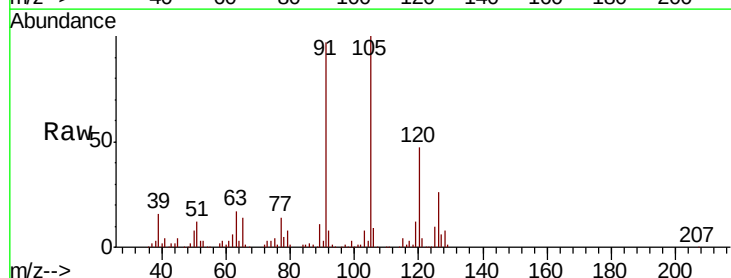
Acq: 27 Nov 2018 20:38

Tgt Ion: 91 Resp: 210481

Ion Ratio Lower Upper

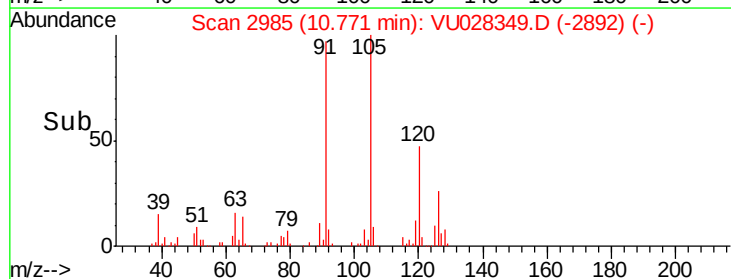
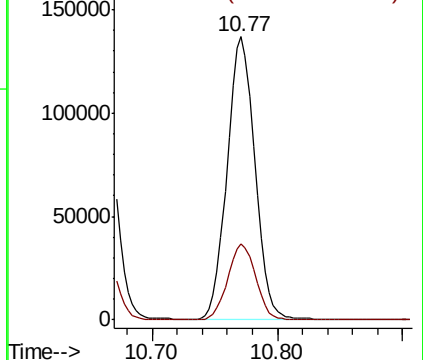
91 100

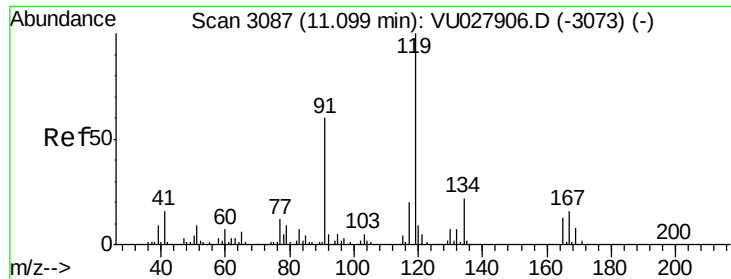
126 26.9 14.2 42.6



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

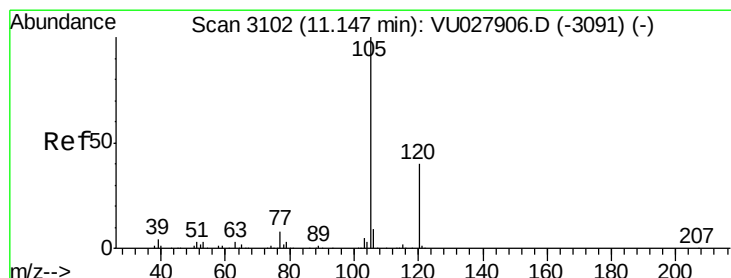
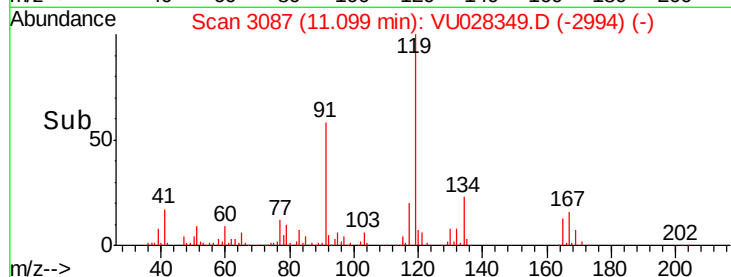
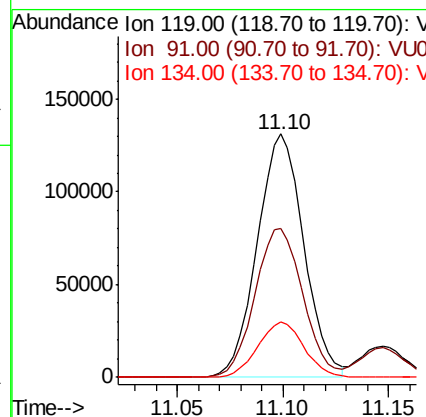
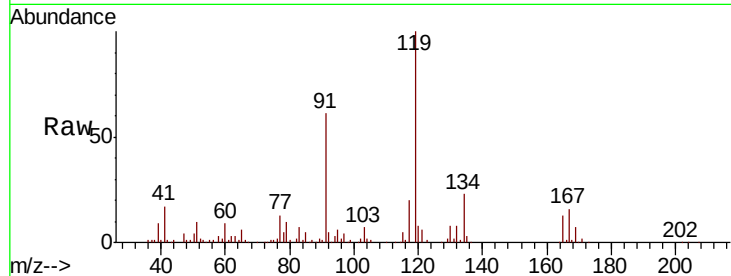




#83  
 tert-Butylbenzene  
 Concen: 20.013 ug/l  
 RT: 11.10 min Scan# 3087  
 Delta R.T. -0.00 min  
 Lab File: VU028349.D  
 Acq: 27 Nov 2018 20:38

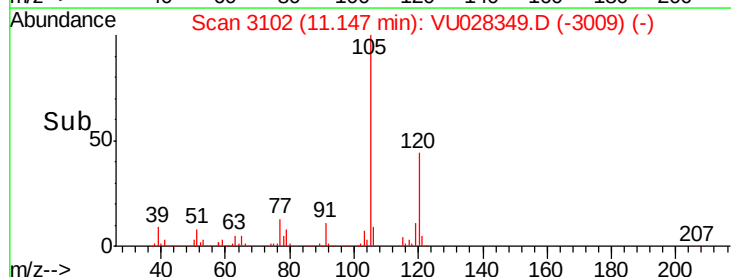
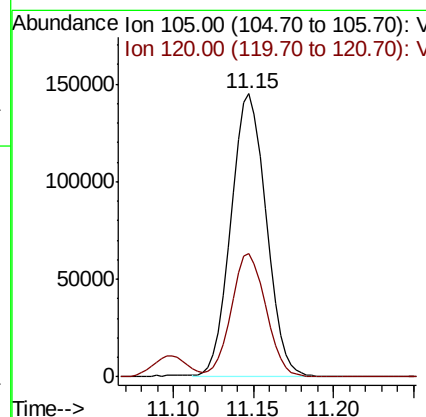
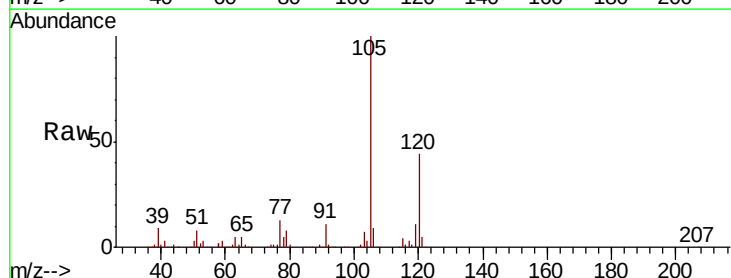
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1127WBSD01

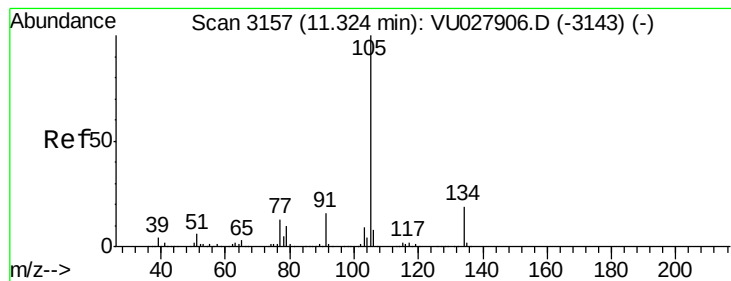
Tot Ion:119 Resp: 201996  
 Ion Ratio Lower Upper  
 119 100  
 91 63.0 29.8 89.3  
 134 22.4 11.1 33.1



#84  
 1,2,4-Trimethylbenzene  
 Concen: 21.389 ug/l  
 RT: 11.15 min Scan# 3102  
 Delta R.T. -0.00 min  
 Lab File: VU028349.D  
 Acq: 27 Nov 2018 20:38

Tgt Ion:105 Resp: 217456  
 Ion Ratio Lower Upper  
 105 100  
 120 43.1 22.1 66.1





#85

sec-Butylbenzene

Concen: 20.978 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VU028349.D

Acq: 27 Nov 2018 20:38

Instrument :

MSVOA\_U

ClientSampleId :

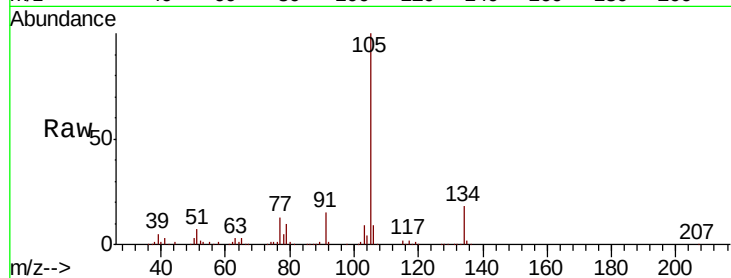
VU1127WBSD01

Tot Ion:105 Resp: 257512

Ion Ratio Lower Upper

105 100

134 17.9 9.2 27.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.32

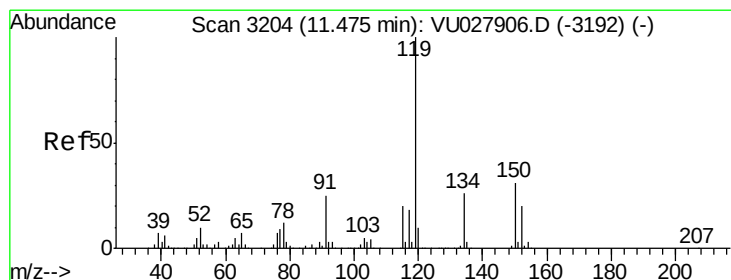
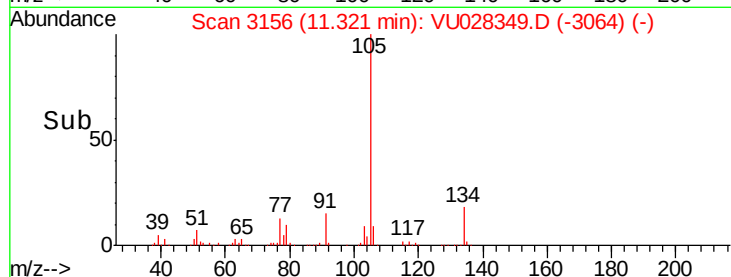
150000

100000

50000

0

Time--> 11.25 11.30 11.35 11.40



#86

p-Isopropyltoluene

Concen: 20.303 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028349.D

Acq: 27 Nov 2018 20:38

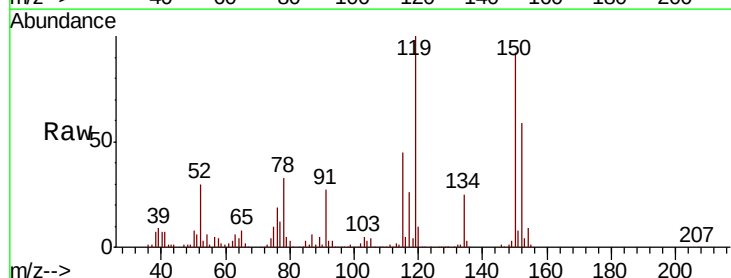
Tgt Ion:119 Resp: 208345

Ion Ratio Lower Upper

119 100

134 25.1 12.9 38.7

91 25.7 12.4 37.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

11.48

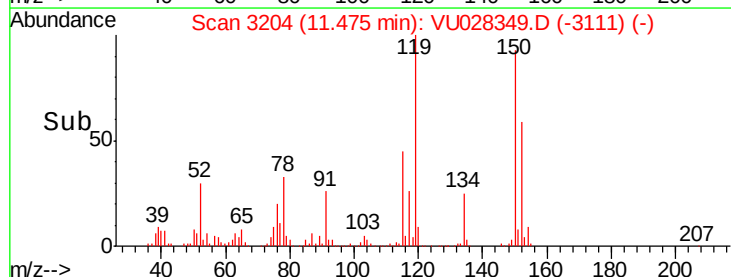
150000

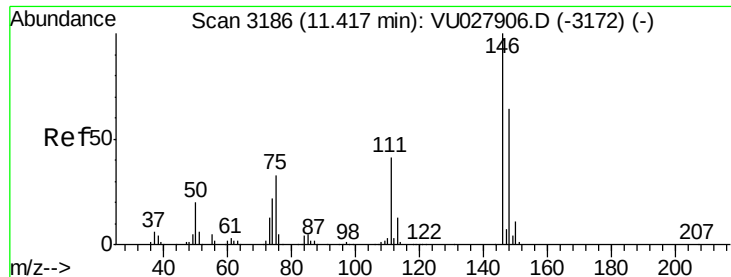
100000

50000

0

Time--> 11.40 11.45 11.50 11.55

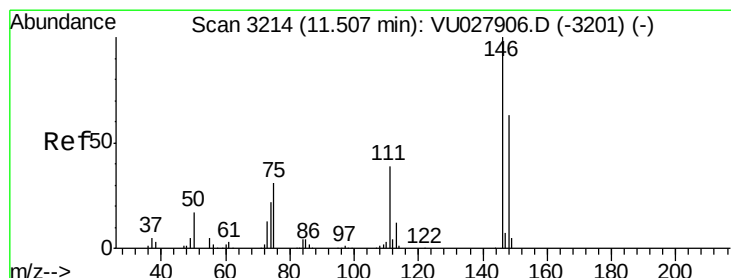
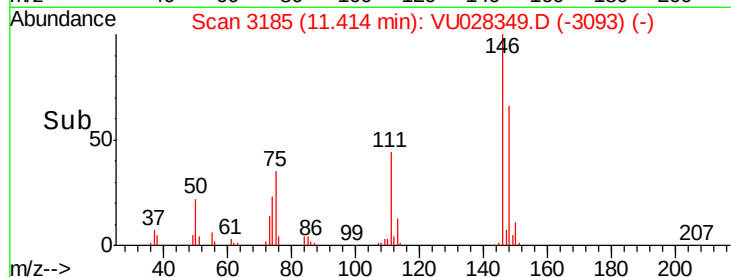
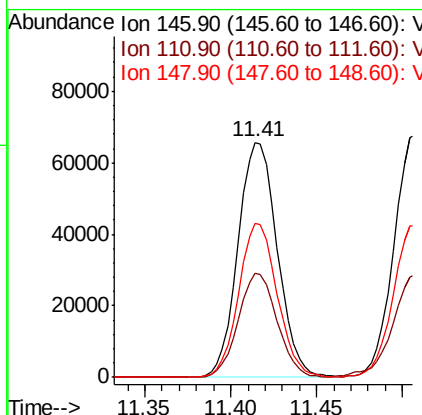
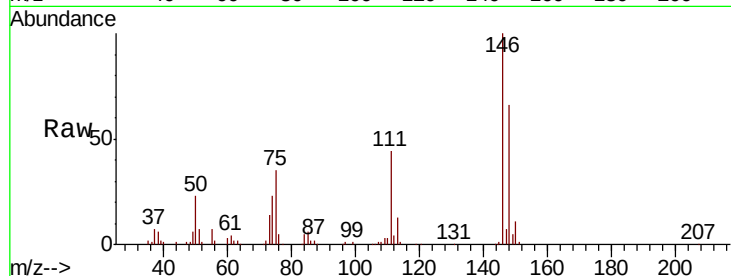




#87  
 1,3-Dichlorobenzene  
 Concen: 20.292 ug/l  
 RT: 11.41 min Scan# 3185  
 Delta R.T. -0.00 min  
 Lab File: VU028349.D  
 Acq: 27 Nov 2018 20:38

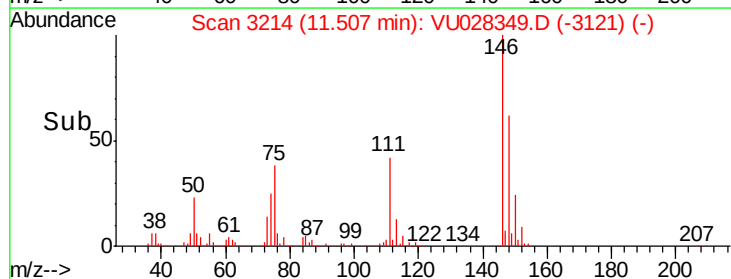
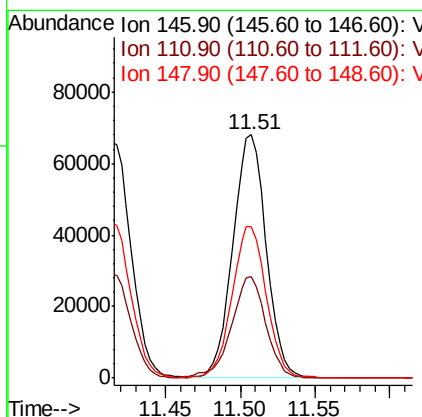
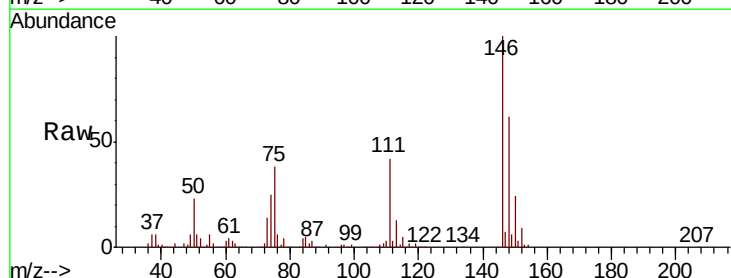
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1127WBSD01

Tot Ion:146 Resp: 104760  
 Ion Ratio Lower Upper  
 146 100  
 111 43.5 20.3 61.0  
 148 64.0 31.8 95.4

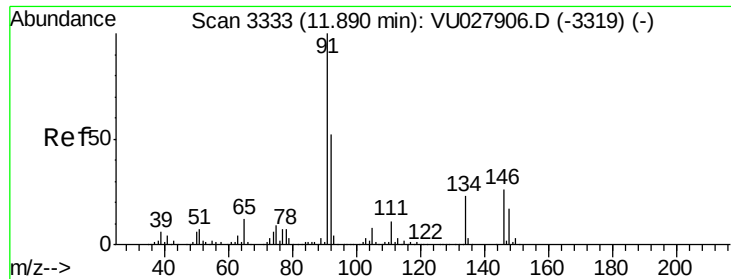


#88  
 1,4-Dichlorobenzene  
 Concen: 19.933 ug/l  
 RT: 11.51 min Scan# 3214  
 Delta R.T. -0.00 min  
 Lab File: VU028349.D  
 Acq: 27 Nov 2018 20:38

Tgt Ion:146 Resp: 105473  
 Ion Ratio Lower Upper  
 146 100  
 111 43.2 20.3 60.9  
 148 64.4 32.0 96.2



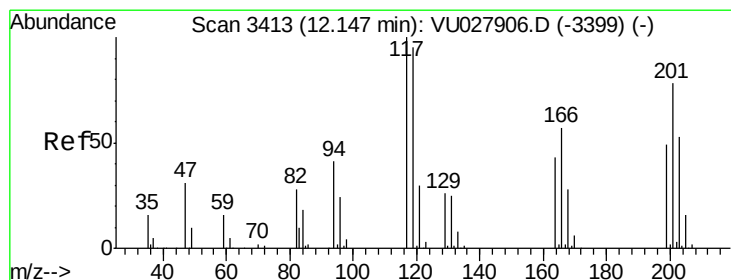
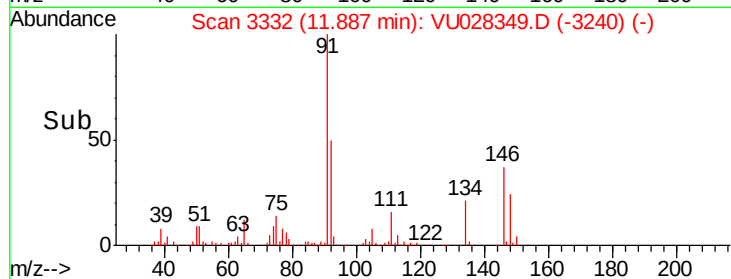
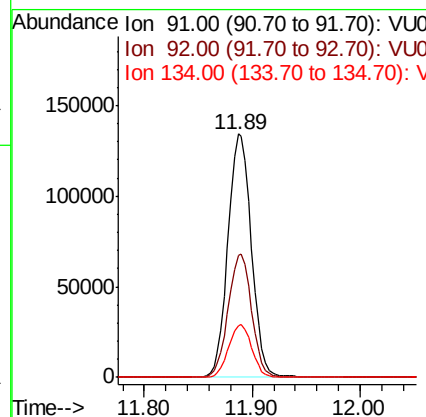
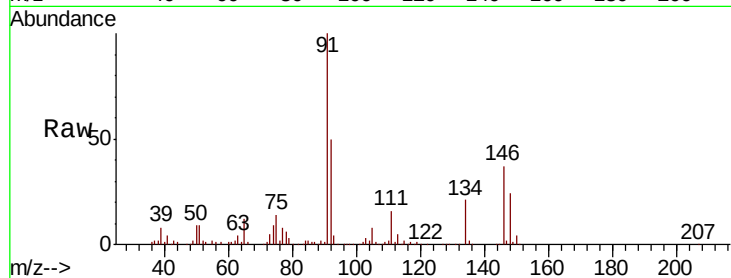




#89  
n-Butylbenzene  
Concen: 20.853 ug/l  
RT: 11.89 min Scan# 3332  
Delta R.T. -0.00 min  
Lab File: VU028349.D  
Acq: 27 Nov 2018 20:38

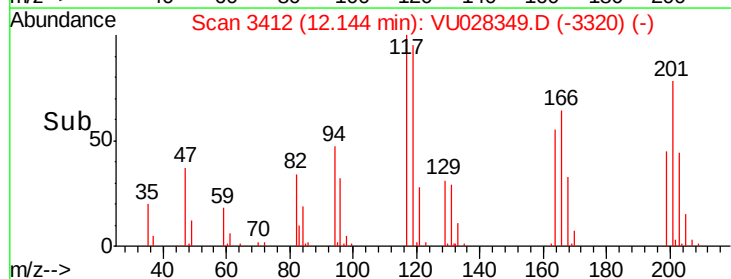
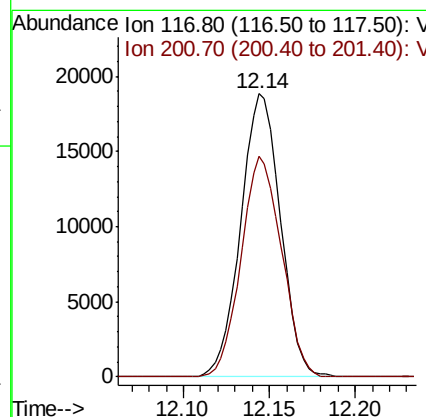
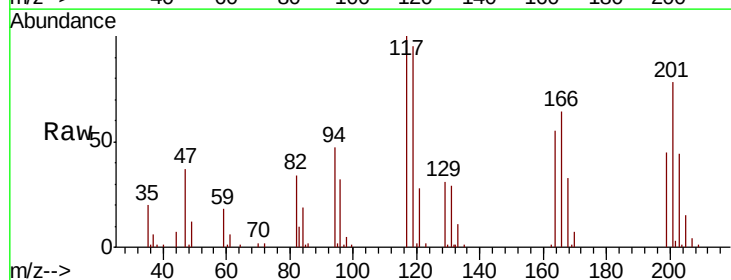
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1127WBSD01

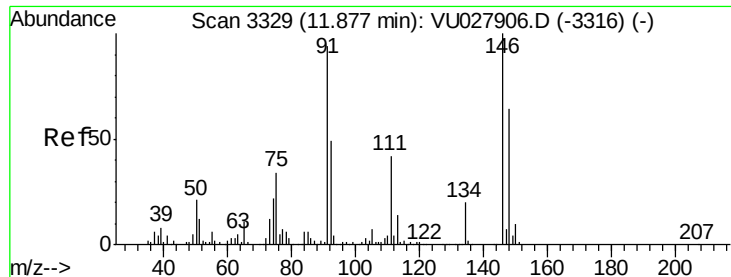
Tot Ion: 91 Resp: 203367  
Ion Ratio Lower Upper  
91 100  
92 50.7 26.2 78.5  
134 21.5 11.5 34.5



#90  
Hexachloroethane  
Concen: 16.489 ug/l  
RT: 12.14 min Scan# 3412  
Delta R.T. -0.00 min  
Lab File: VU028349.D  
Acq: 27 Nov 2018 20:38

Tgt Ion: 117 Resp: 30124  
Ion Ratio Lower Upper  
117 100  
201 79.3 38.5 115.5

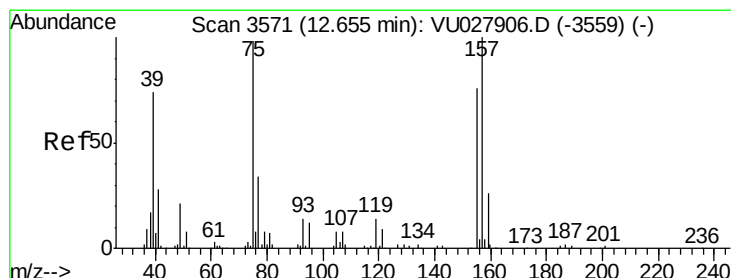
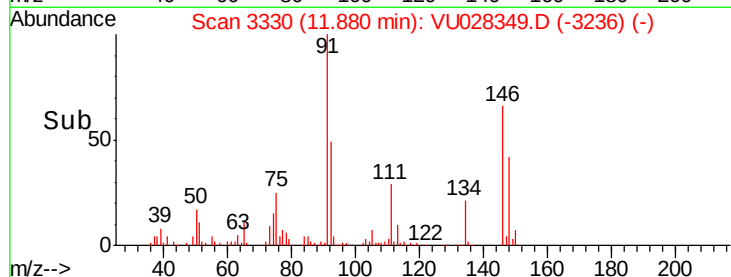
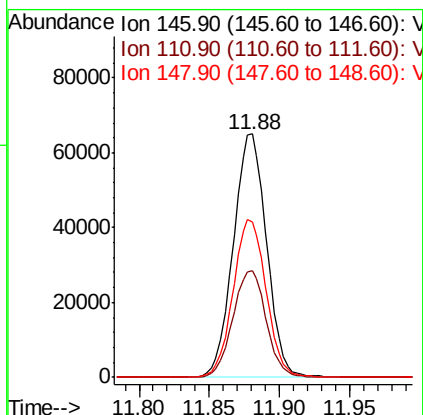
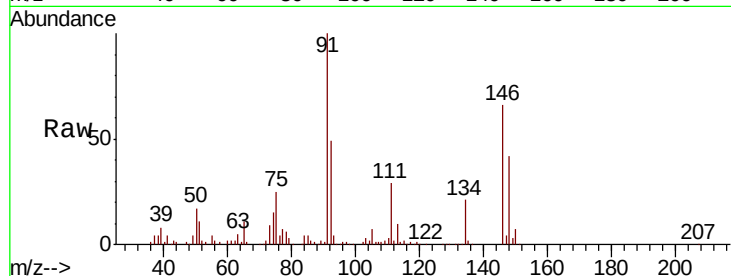




#91  
 1,2-Dichlorobenzene  
 Concen: 20.735 ug/l  
 RT: 11.88 min Scan# 3330  
 Delta R.T. 0.00 min  
 Lab File: VU028349.D  
 Acq: 27 Nov 2018 20:38

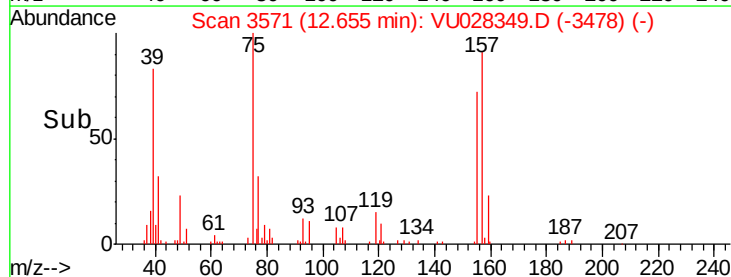
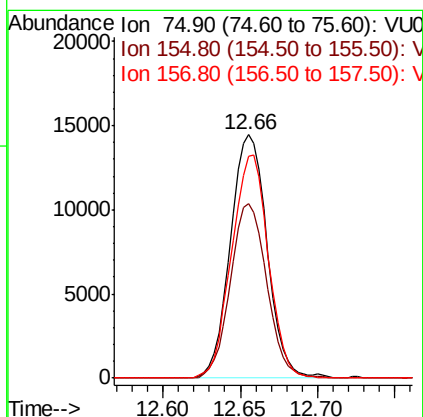
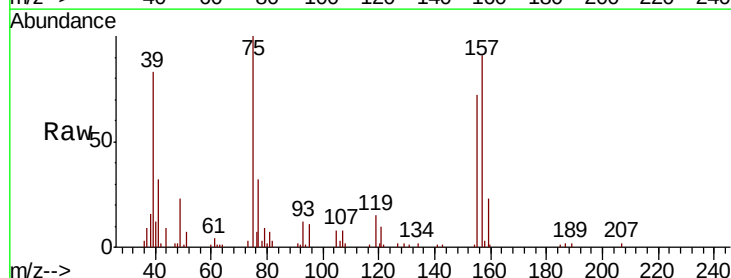
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1127WBSD01

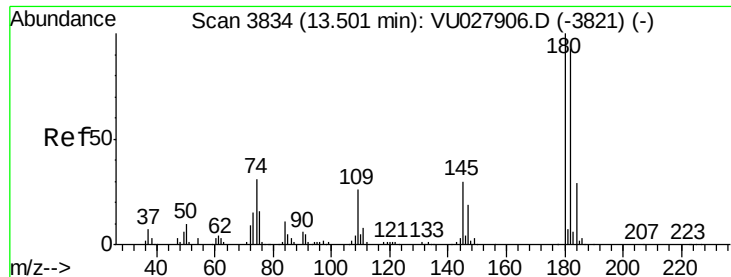
Tot Ion:146 Resp: 107651  
 Ion Ratio Lower Upper  
 146 100  
 111 43.7 21.3 64.0  
 148 64.5 31.8 95.3



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 22.984 ug/l  
 RT: 12.66 min Scan# 3571  
 Delta R.T. -0.00 min  
 Lab File: VU028349.D  
 Acq: 27 Nov 2018 20:38

Tgt Ion: 75 Resp: 23809  
 Ion Ratio Lower Upper  
 75 100  
 155 71.1 39.8 119.3  
 157 91.7 50.6 151.9

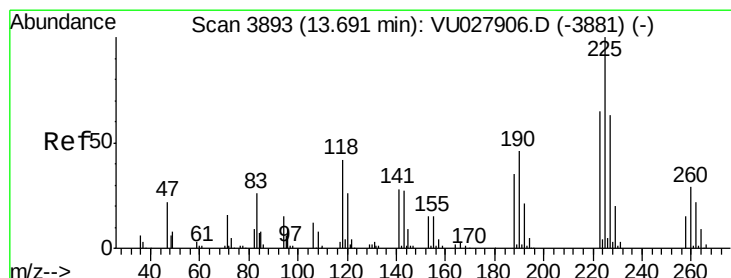
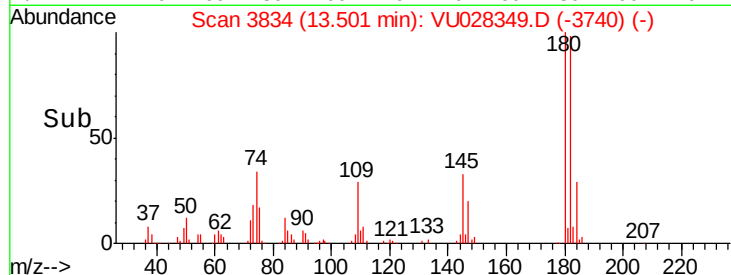
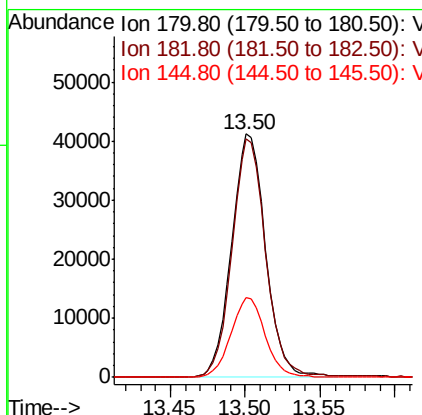
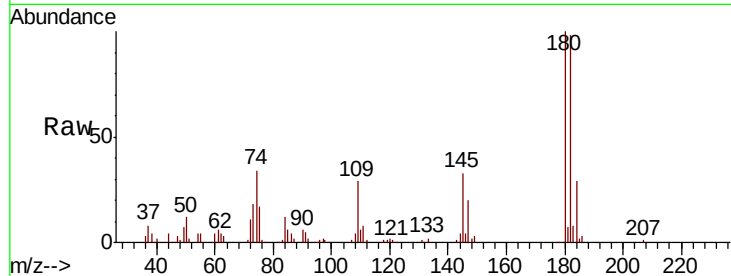




#93  
 1,2,4-Trichlorobenzene  
 Concen: 18.329 ug/l  
 RT: 13.50 min Scan# 3834  
 Delta R.T. 0.00 min  
 Lab File: VU028349.D  
 Acq: 27 Nov 2018 20:38

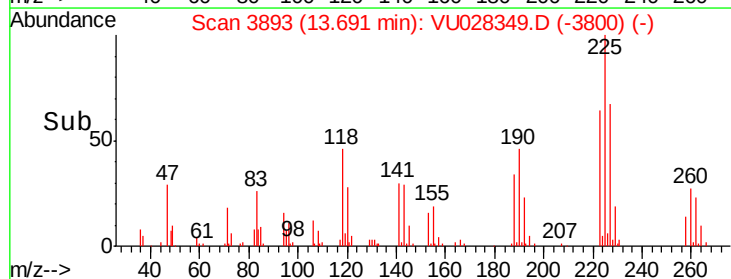
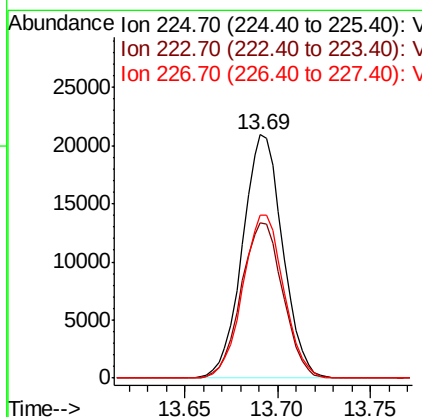
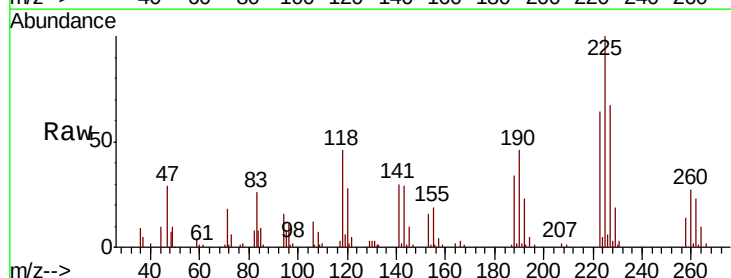
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1127WBSD01

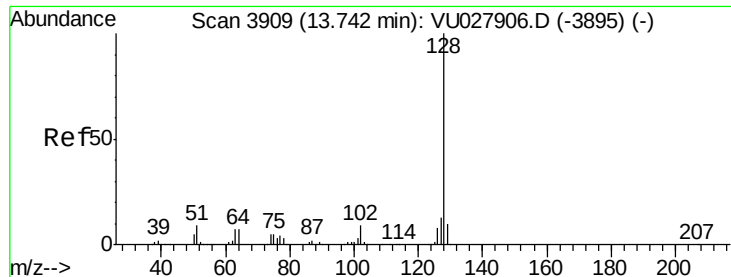
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 97.1  | 48.4  | 145.2 |
| 145     | 33.0  | 14.9  | 44.5  |



#94  
 Hexachlorobutadiene  
 Concen: 19.075 ug/l  
 RT: 13.69 min Scan# 3893  
 Delta R.T. -0.00 min  
 Lab File: VU028349.D  
 Acq: 27 Nov 2018 20:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 66.0  | 32.2  | 96.6  |
| 227     | 68.1  | 32.5  | 97.4  |

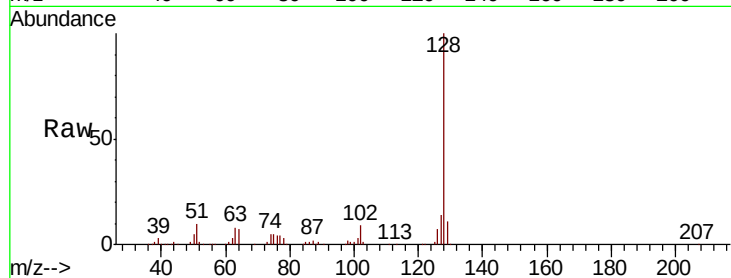




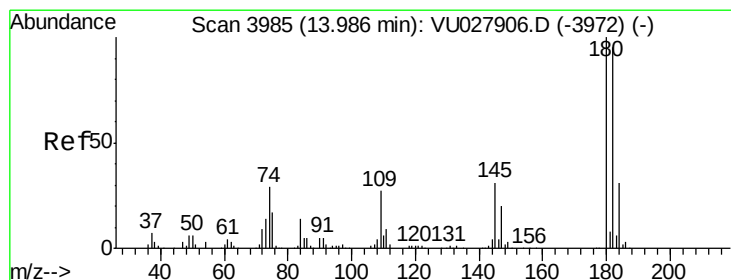
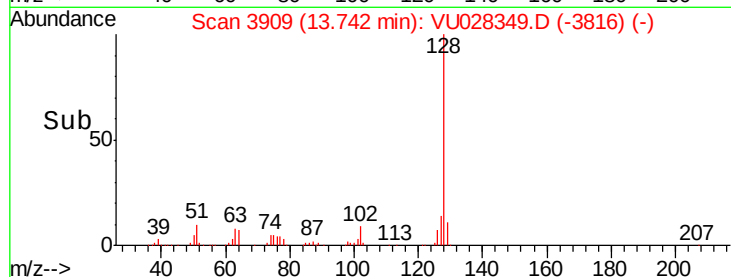
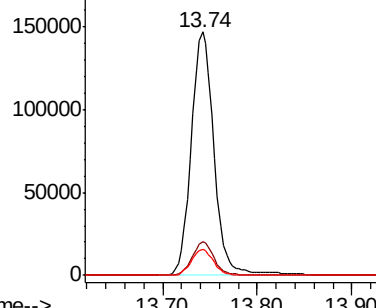
#95  
Naphthalene  
Concen: 18.937 ug/l  
RT: 13.74 min Scan# 3909  
Delta R.T. 0.00 min  
Lab File: VU028349.D  
Acq: 27 Nov 2018 20:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1127WBSD01

Tot Ion:128 Resp: 245839  
Ion Ratio Lower Upper  
128 100  
127 13.2 10.4 15.6  
129 10.2 8.3 12.5

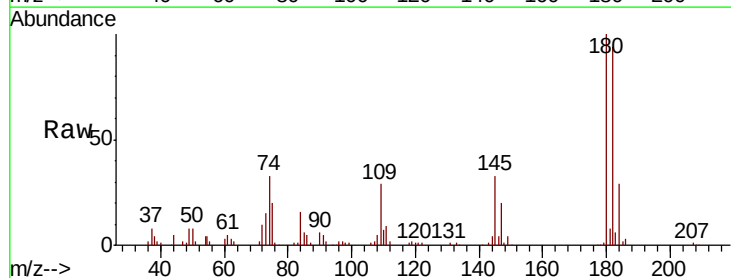


Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V



#96  
1,2,3-Trichlorobenzene  
Concen: 20.019 ug/l  
RT: 13.99 min Scan# 3985  
Delta R.T. 0.00 min  
Lab File: VU028349.D  
Acq: 27 Nov 2018 20:38

Tgt Ion:180 Resp: 69742  
Ion Ratio Lower Upper  
180 100  
182 94.1 47.4 142.3  
145 33.5 16.0 47.9



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

