

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121618\  
 Data File : VW007500.D  
 Acq On : 13 Dec 2018 22:31  
 Operator : SY/AP  
 Sample : VW1213SBS01  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW1216SBS02

Quant Time: Dec 14 04:29:02 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W121118S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 11 02:58:16 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 86656    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 144482   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 130470   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 66254    | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 46040    | 47.89 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.78%  |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 43680    | 49.94 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.88%  |      |
| 50) Toluene-d8            | 10.32  | 98  | 164165   | 50.06 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.12% |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 64744    | 53.70 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 107.40% |      |

## Target Compounds

|                               |      |     |        |         |      | Qvalue |
|-------------------------------|------|-----|--------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 2.01 | 85  | 12657  | 20.901  | ug/l | 99     |
| 3) Chloromethane              | 2.21 | 50  | 10344  | 20.396  | ug/l | 99     |
| 4) Vinyl Chloride             | 2.37 | 62  | 12676  | 21.298  | ug/l | 99     |
| 5) Bromomethane               | 2.78 | 94  | 8466   | 21.171  | ug/l | 98     |
| 6) Chloroethane               | 2.93 | 64  | 6969   | 21.272  | ug/l | 95     |
| 7) Trichlorofluoromethane     | 3.26 | 101 | 9755   | 18.231  | ug/l | 92     |
| 8) Diethyl Ether              | 3.68 | 74  | 8556   | 20.430  | ug/l | 96     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101 | 17625  | 19.963  | ug/l | 98     |
| 10) Methyl Iodide             | 4.26 | 142 | 30117  | 20.596  | ug/l | 99     |
| 11) Tert butyl alcohol        | 5.18 | 59  | 7031   | 106.488 | ug/l | 98     |
| 12) 1,1-Dichloroethene        | 4.03 | 96  | 16880  | 19.857  | ug/l | 94     |
| 13) Acrolein                  | 3.89 | 56  | 4294   | 98.285  | ug/l | 97     |
| 14) Allyl chloride            | 4.66 | 41  | 25099  | 20.031  | ug/l | 97     |
| 15) Acrylonitrile             | 5.36 | 53  | 17669  | 100.081 | ug/l | 98     |
| 16) Acetone                   | 4.12 | 43  | 16461  | 98.026  | ug/l | 96     |
| 17) Carbon Disulfide          | 4.37 | 76  | 50657  | 19.654  | ug/l | 97     |
| 18) Methyl Acetate            | 4.67 | 43  | 10926  | 23.973  | ug/l | 100    |
| 19) Methyl tert-butyl Ether   | 5.42 | 73  | 27005  | 21.058  | ug/l | 99     |
| 20) Methylene Chloride        | 4.90 | 84  | 19701  | 19.027  | ug/l | 98     |
| 21) trans-1,2-Dichloroethene  | 5.42 | 96  | 18934  | 19.911  | ug/l | 95     |
| 22) Diisopropyl ether         | 6.31 | 45  | 49280  | 20.461  | ug/l | 95     |
| 23) Vinyl Acetate             | 6.25 | 43  | 133043 | 98.759  | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 6.21 | 63  | 32212  | 19.789  | ug/l | 98     |
| 25) 2-Butanone                | 7.17 | 43  | 21592  | 98.492  | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 7.16 | 77  | 20928  | 19.426  | ug/l | 98     |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96  | 21232  | 20.391  | ug/l | 99     |
| 28) Bromochloromethane        | 7.51 | 49  | 11743  | 19.179  | ug/l | 99     |
| 29) Tetrahydrofuran           | 7.52 | 42  | 14377  | 103.592 | ug/l | 98     |
| 30) Chloroform                | 7.68 | 83  | 34895  | 19.699  | ug/l | 99     |
| 31) Cyclohexane               | 7.95 | 56  | 28877  | 19.335  | ug/l | 92     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97  | 30000  | 19.312  | ug/l | 100    |
| 36) 1,1-Dichloropropene       | 8.08 | 75  | 26694  | 20.253  | ug/l | 99     |
| 37) Ethyl Acetate             | 7.26 | 43  | 10393  | 21.201  | ug/l | 97     |
| 38) Carbon Tetrachloride      | 8.07 | 117 | 28522  | 19.888  | ug/l | 93     |

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 Operator : SY/AP  
 Sample : VW1213SBS01  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW1216SBS02

Quant Time: Dec 14 04:29:02 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W121118S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 11 02:58:16 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| -----                          |       |      |          |         |        |          |
| 39) Methylcyclohexane          | 9.33  | 83   | 32418    | 20.312  | ug/l   | 92       |
| 40) Benzene                    | 8.32  | 78   | 74882    | 20.472  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.48  | 41   | 6786     | 24.309  | ug/l # | 90       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 23496    | 20.449  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.42  | 43   | 20006    | 20.660  | ug/l   | 98       |
| 44) Trichloroethene            | 9.09  | 130  | 21606    | 20.686  | ug/l   | 92       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 17535    | 20.716  | ug/l   | 95       |
| 46) Dibromomethane             | 9.46  | 93   | 9731     | 20.244  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.64  | 83   | 25533    | 20.251  | ug/l   | 96       |
| 48) Methyl methacrylate        | 9.43  | 41   | 9930     | 19.967  | ug/l   | 100      |
| 49) 1,4-Dioxane                | 9.45  | 88   | 3370     | 432.086 | ug/l   | 93       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 48573    | 106.162 | ug/l   | 98       |
| 52) Toluene                    | 10.39 | 92   | 49624    | 20.964  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.60 | 75   | 25870    | 21.135  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 29040    | 20.523  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 13986    | 21.379  | ug/l   | 90       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 17702    | 22.512  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 24025    | 22.374  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.93  | 63   | 37951    | 104.659 | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.97 | 43   | 32695    | 107.167 | ug/l   | 98       |
| 60) Dibromochloromethane       | 11.13 | 129  | 17501    | 21.198  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 14176    | 21.927  | ug/l   | 93       |
| 64) Tetrachloroethene          | 10.86 | 164  | 18421    | 19.633  | ug/l   | 92       |
| 65) Chlorobenzene              | 11.66 | 112  | 55804    | 20.521  | ug/l   | 94       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 19667    | 20.534  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.73 | 91   | 98171    | 20.997  | ug/l   | 90       |
| 68) m/p-Xylenes                | 11.84 | 106  | 75577    | 41.581  | ug/l   | 99       |
| 69) o-Xylene                   | 12.17 | 106  | 35514    | 20.921  | ug/l   | 94       |
| 70) Styrene                    | 12.18 | 104  | 59428    | 21.674  | ug/l   | 98       |
| 71) Bromoform                  | 12.35 | 173  | 9764     | 19.917  | ug/l # | 100      |
| 73) Isopropylbenzene           | 12.47 | 105  | 101083   | 19.911  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.27 | 43   | 18749    | 20.321  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.72 | 83   | 15963    | 21.230  | ug/l   | 94       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 21675    | 39.677  | ug/l   | 33       |
| 77) Bromobenzene               | 12.75 | 156  | 22259    | 19.781  | ug/l   | 92       |
| 78) n-propylbenzene            | 12.80 | 91   | 118662   | 20.769  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.90 | 91   | 68901    | 19.931  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 87112    | 20.422  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.51 | 75   | 4742     | 19.175  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 73040    | 20.044  | ug/l   | 97       |
| 83) tert-Butylbenzene          | 13.21 | 119  | 76342    | 20.311  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.26 | 105  | 89011    | 20.278  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.39 | 105  | 104295   | 20.327  | ug/l   | 95       |
| 86) p-Isopropyltoluene         | 13.50 | 119  | 93419    | 20.267  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.51 | 146  | 45156    | 20.127  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 45612    | 20.222  | ug/l   | 96       |
| 89) n-Butylbenzene             | 13.83 | 91   | 86803    | 20.313  | ug/l   | 98       |
| 90) Hexachloroethane           | 14.10 | 117  | 16276    | 19.845  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.88 | 146  | 40512    | 20.160  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 2854     | 18.914  | ug/l   | 95       |

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Data File : VW007500.D  
Acq On : 13 Dec 2018 22:31  
Operator : SY/AP  
Sample : VW1213SBSD01  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 23 Sample Multiplier: 1

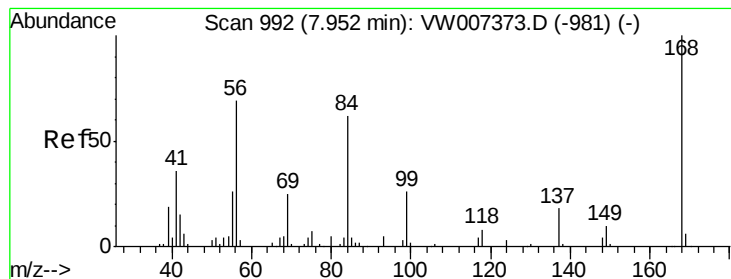
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1216SBSD02

Quant Time: Dec 14 04:29:02 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W121118S.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 11 02:58:16 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.14 | 180  | 27277    | 19.724 | ug/l  | 95       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 14542    | 19.818 | ug/l  | 96       |
| 95) Naphthalene            | 15.37 | 128  | 53606    | 20.263 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.56 | 180  | 24060    | 20.028 | ug/l  | 97       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Instrument :

MSVOA\_W

ClientSampleId :

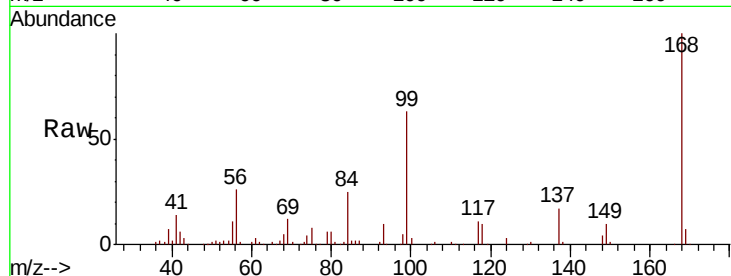
VW1216SBSD02

Tot Ion:168 Resp: 86656

Ion Ratio Lower Upper

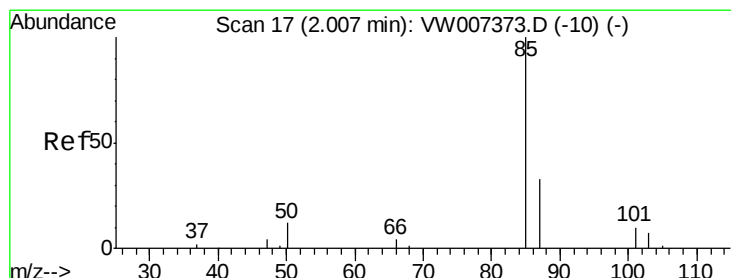
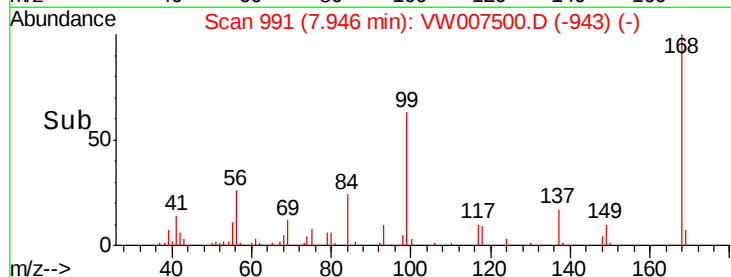
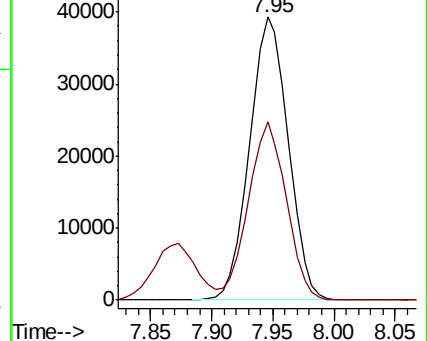
168 100

99 62.8 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 20.901 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW007500.D

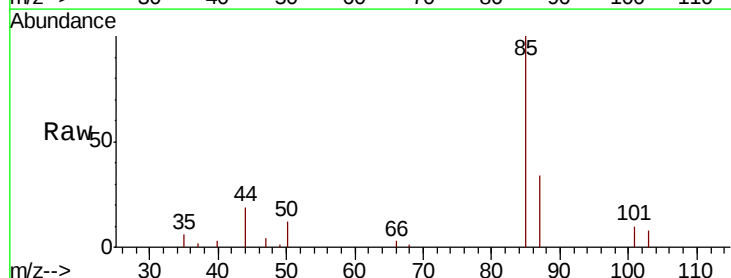
Acq: 13 Dec 2018 22:31

Tgt Ion: 85 Resp: 12657

Ion Ratio Lower Upper

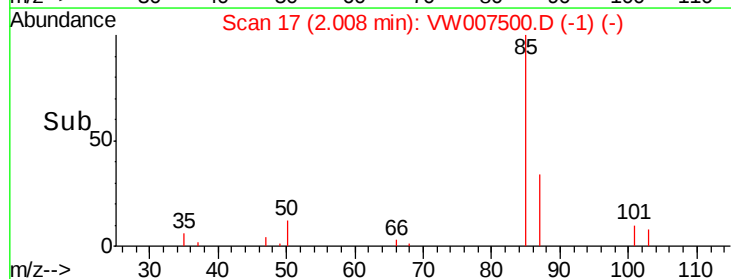
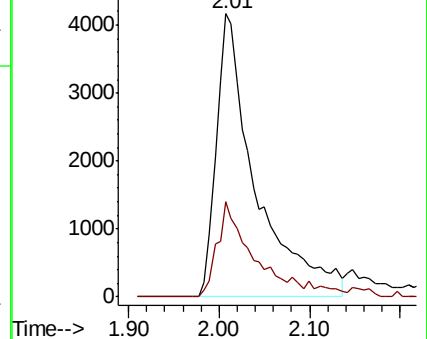
85 100

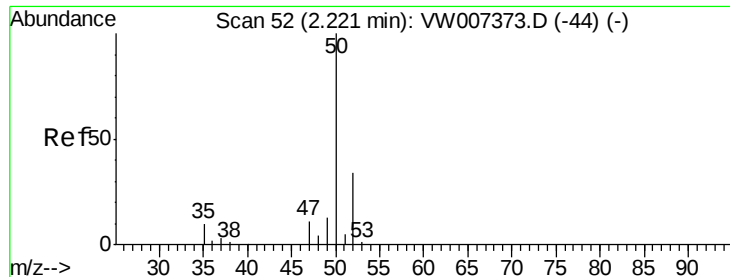
87 33.8 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 20.396 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Instrument :

MSVOA\_W

ClientSampleId :

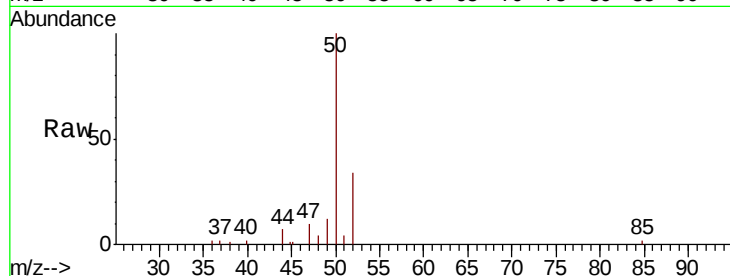
VW1216SBSD02

Tot Ion: 50 Resp: 10344

Ion Ratio Lower Upper

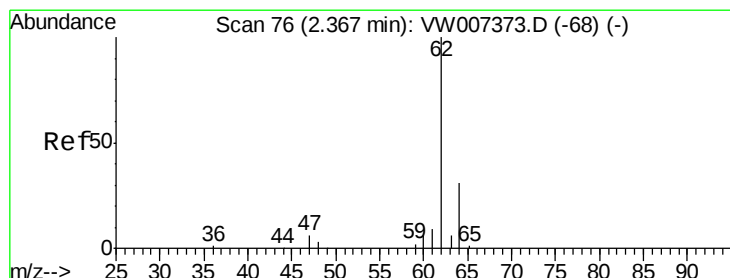
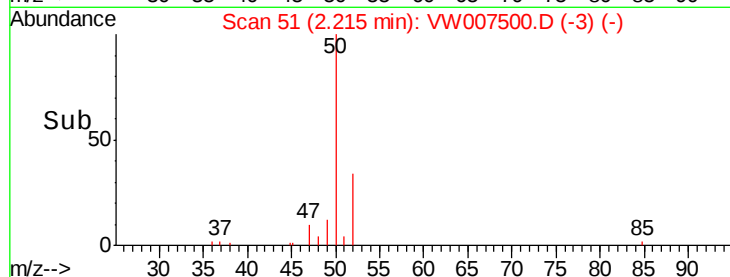
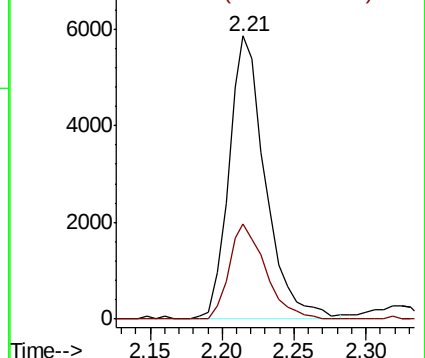
50 100

52 33.7 27.4 41.0



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 21.298 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW007500.D

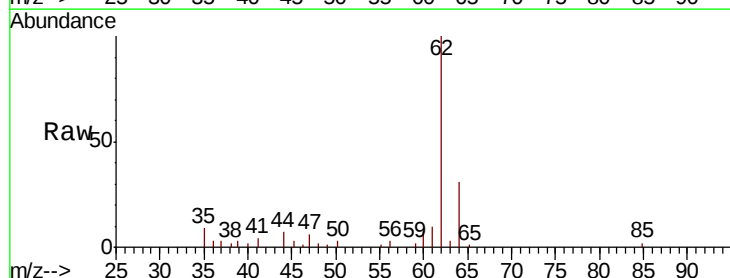
Acq: 13 Dec 2018 22:31

Tgt Ion: 62 Resp: 12676

Ion Ratio Lower Upper

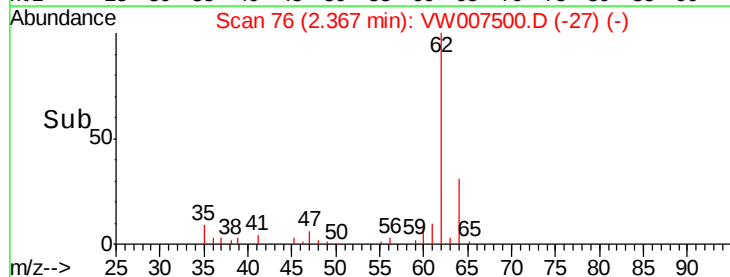
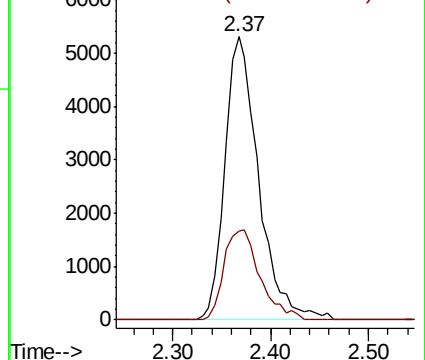
62 100

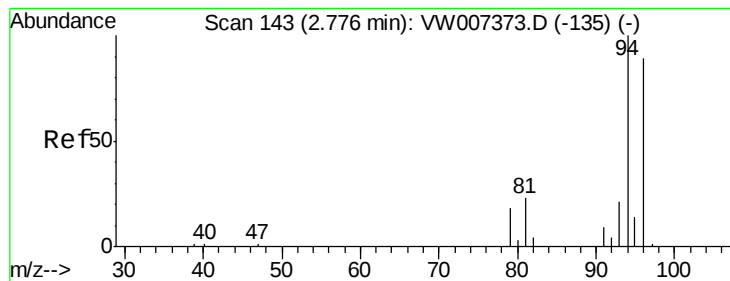
64 31.2 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 21.171 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Instrument :

MSVOA\_W

ClientSampleId :

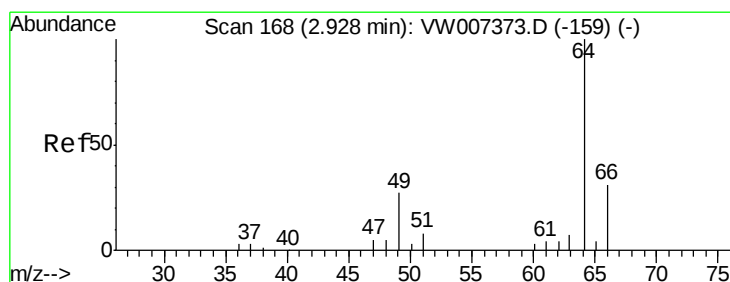
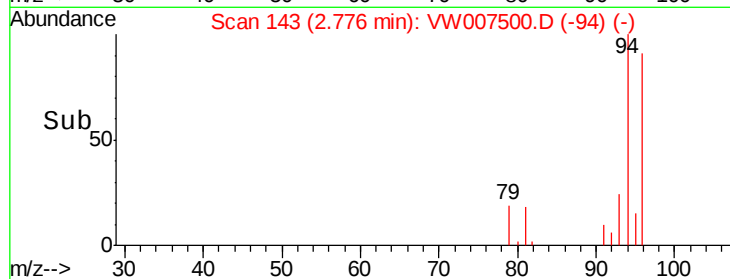
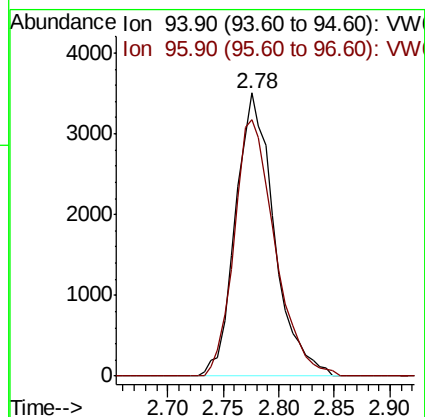
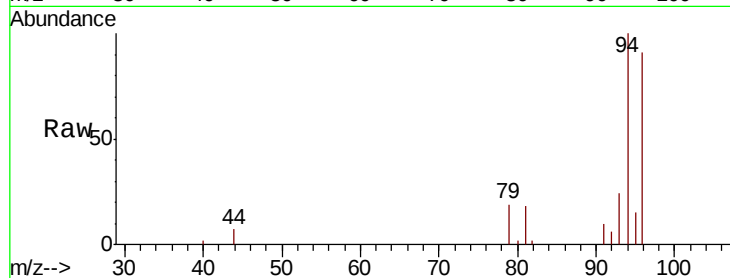
VW1216SBSD02

Tot Ion: 94 Resp: 8466

Ion Ratio Lower Upper

94 100

96 90.8 71.0 106.4



#6

Chloroethane

Concen: 21.272 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW007500.D

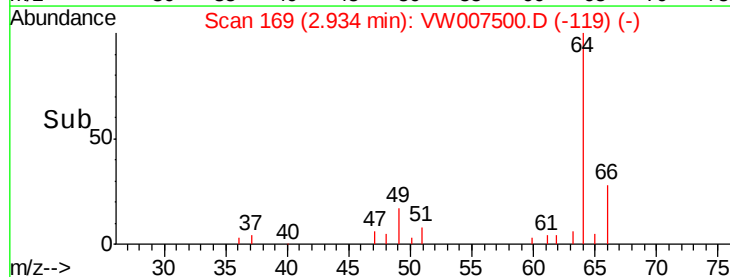
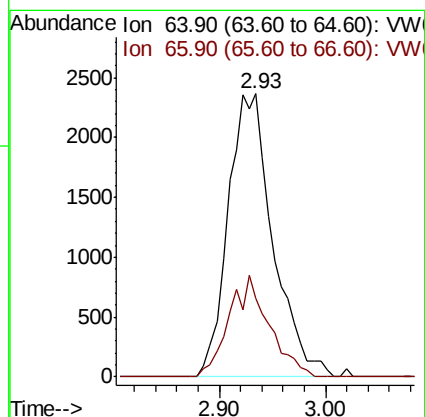
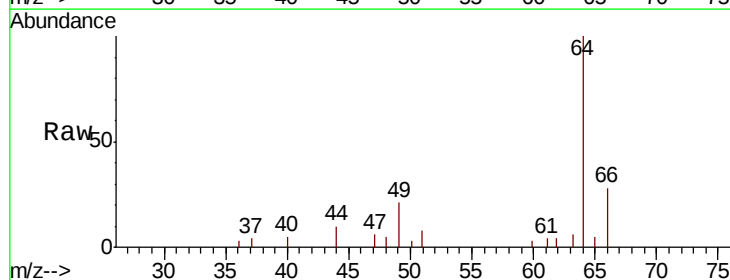
Acq: 13 Dec 2018 22:31

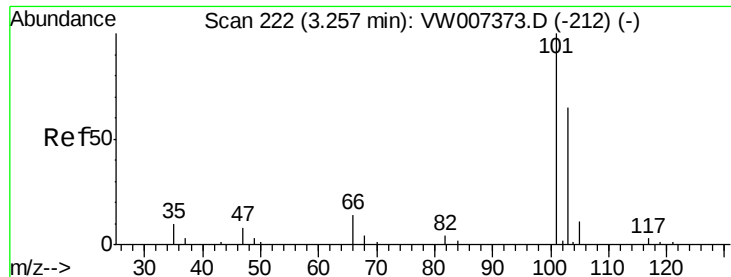
Tgt Ion: 64 Resp: 6969

Ion Ratio Lower Upper

64 100

66 27.8 24.6 37.0



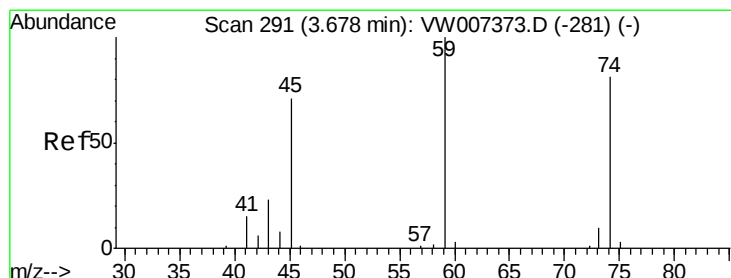
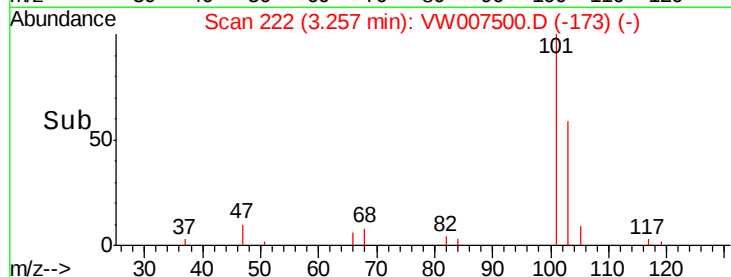
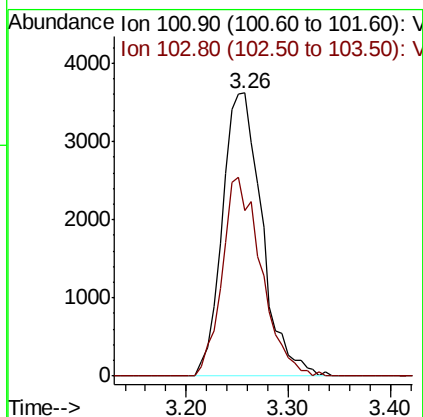
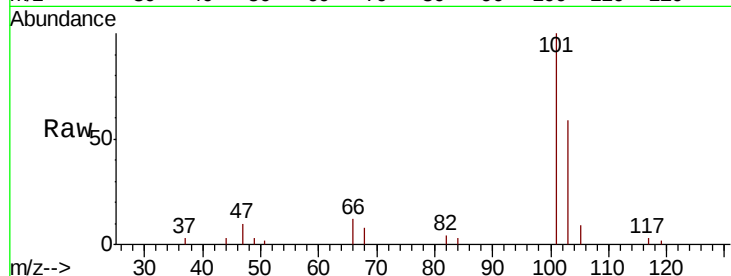


#7

Trichlorofluoromethane  
 Concen: 18.231 ug/l  
 RT: 3.26 min Scan# 222  
 Delta R.T. 0.00 min  
 Lab File: VW007500.D  
 Acq: 13 Dec 2018 22:31

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW1216SBSD02

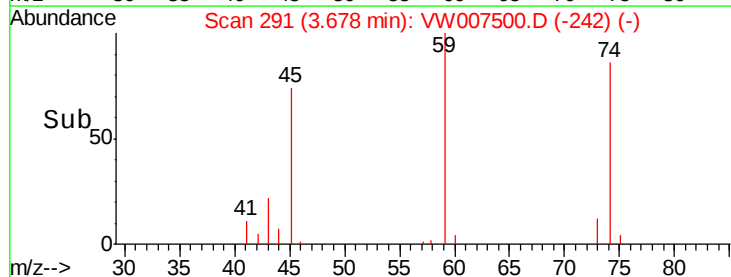
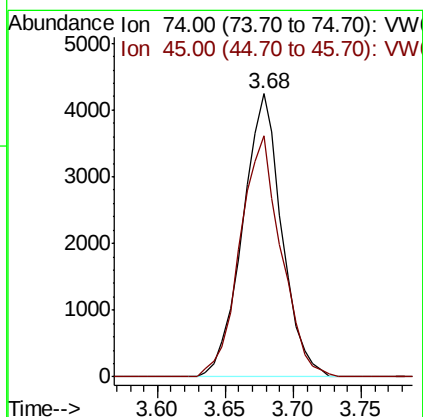
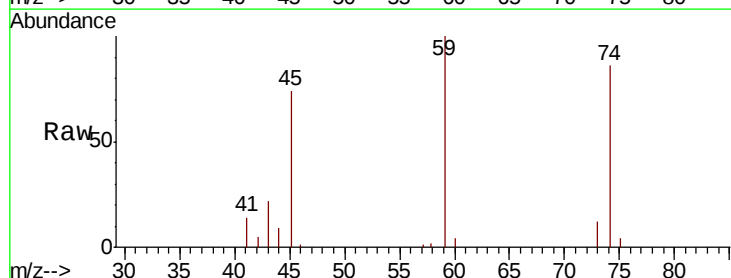
Tot Ion:101 Resp: 9755  
 Ion Ratio Lower Upper  
 101 100  
 103 58.6 51.7 77.5

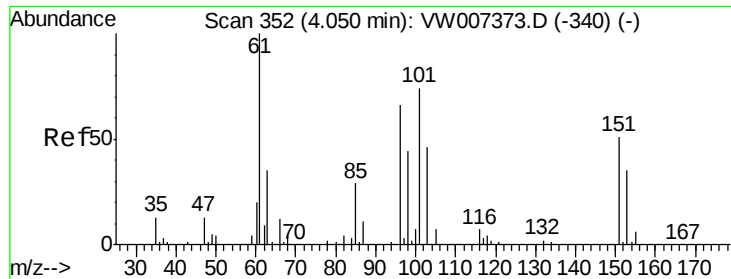


#8

Diethyl Ether  
 Concen: 20.430 ug/l  
 RT: 3.68 min Scan# 291  
 Delta R.T. 0.00 min  
 Lab File: VW007500.D  
 Acq: 13 Dec 2018 22:31

Tgt Ion: 74 Resp: 8556  
 Ion Ratio Lower Upper  
 74 100  
 45 89.3 43.0 129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.963 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Instrument :

MSVOA\_W

ClientSampleId :

VW1216SBSD02

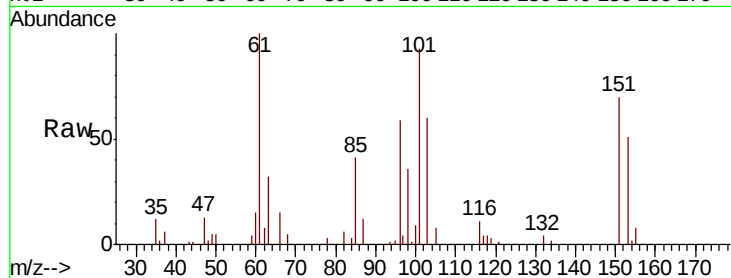
Tot Ion:101 Resp: 17625

Ion Ratio Lower Upper

101 100

85 41.7 33.9 50.9

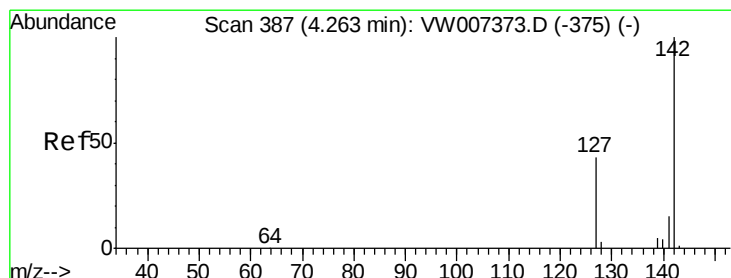
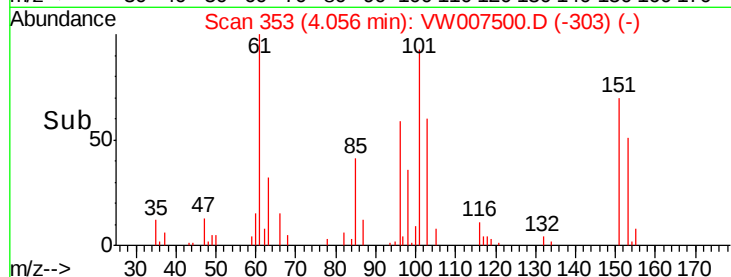
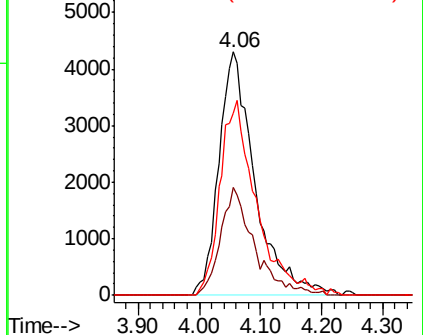
151 77.6 63.7 95.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.596 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

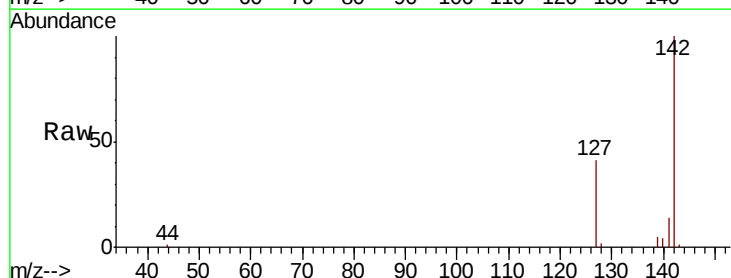
Tgt Ion:142 Resp: 30117

Ion Ratio Lower Upper

142 100

127 44.0 35.8 53.6

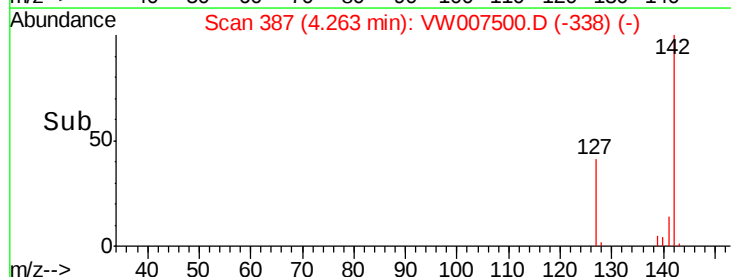
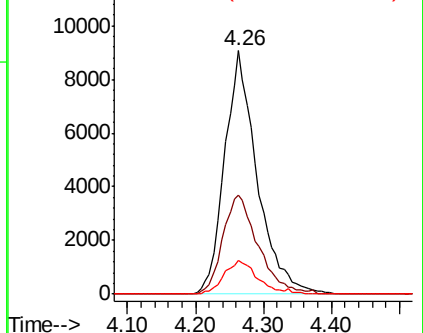
141 14.3 11.1 16.7

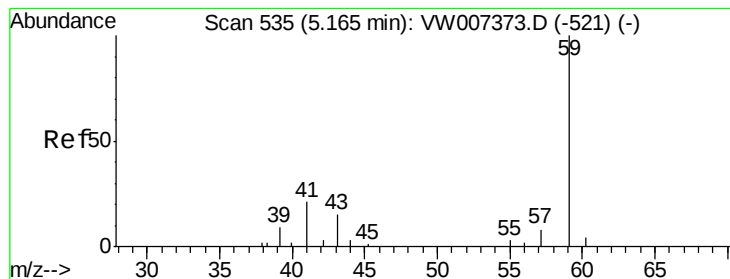


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



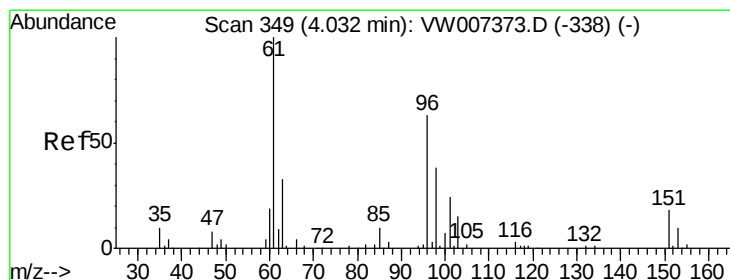
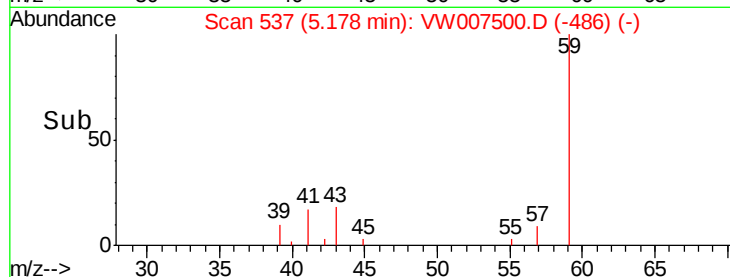
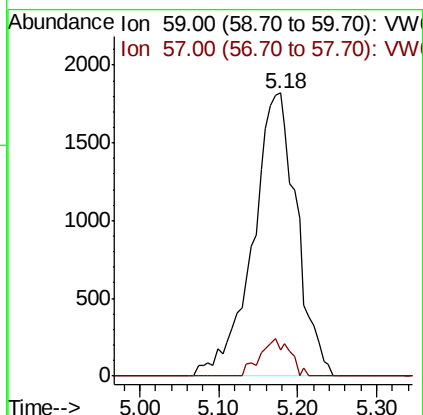
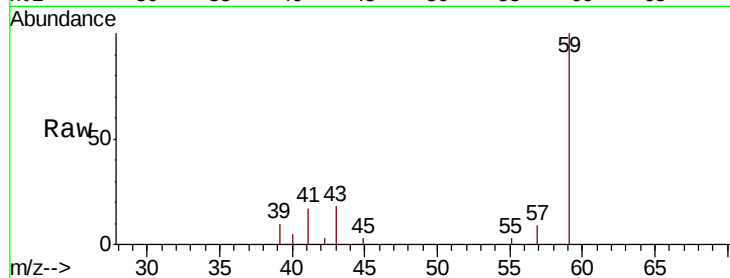


#11

Tert butyl alcohol  
 Concen: 106.488 ug/l  
 RT: 5.18 min Scan# 537  
 Delta R.T. 0.01 min  
 Lab File: VW007500.D  
 Acq: 13 Dec 2018 22:31

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW1216SBS02

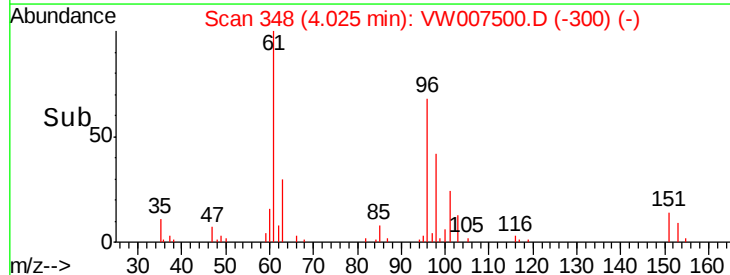
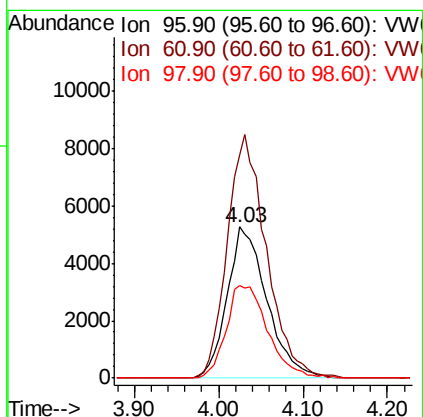
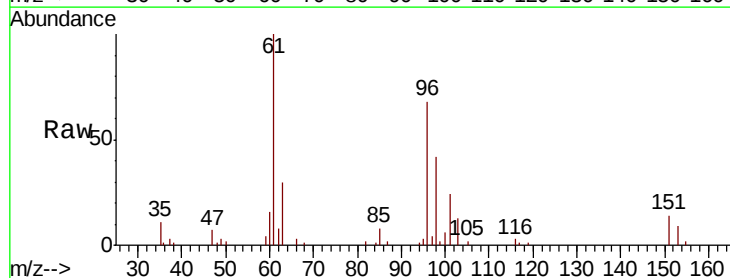
Tot Ion: 59 Resp: 7031  
 Ion Ratio Lower Upper  
 59 100  
 57 8.9 7.6 11.4

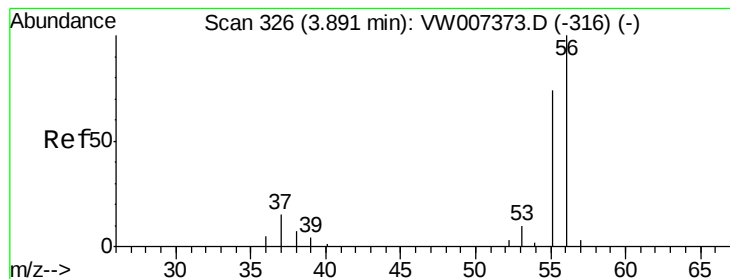


#12

1,1-Dichloroethene  
 Concen: 19.857 ug/l  
 RT: 4.03 min Scan# 348  
 Delta R.T. -0.01 min  
 Lab File: VW007500.D  
 Acq: 13 Dec 2018 22:31

Tgt Ion: 96 Resp: 16880  
 Ion Ratio Lower Upper  
 96 100  
 61 147.4 126.2 189.2  
 98 61.3 48.3 72.5





#13

Acrolein

Concen: 98.285 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Instrument :

MSVOA\_W

ClientSampleId :

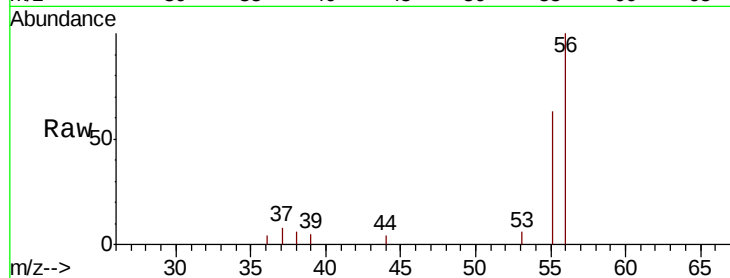
VW1216SBSD02

Tot Ion: 56 Resp: 4294

Ion Ratio Lower Upper

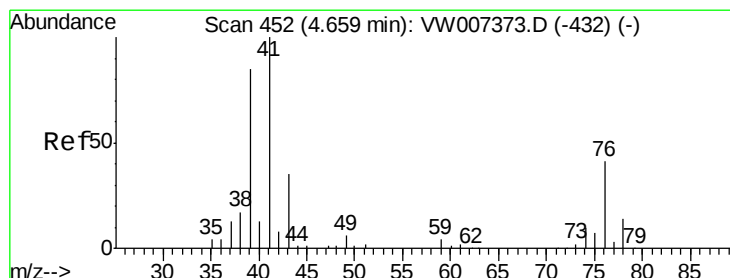
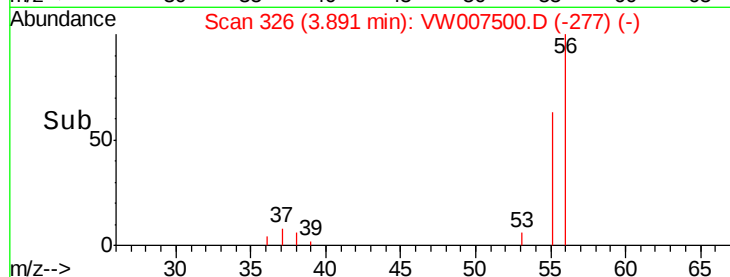
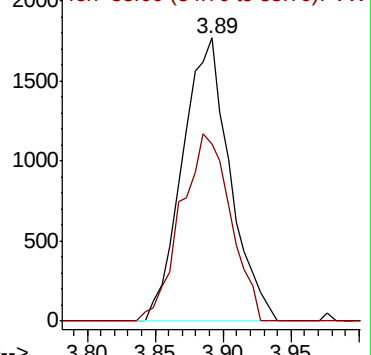
56 100

55 69.3 57.4 86.2



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 20.031 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

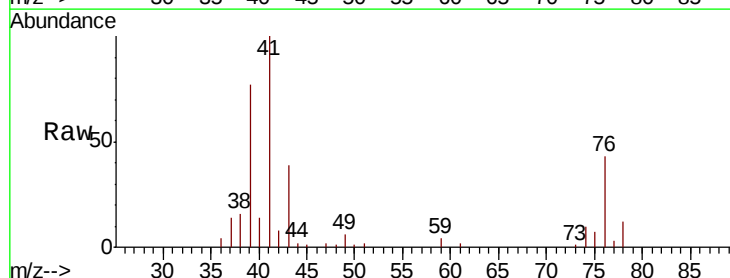
Tgt Ion: 41 Resp: 25099

Ion Ratio Lower Upper

41 100

39 76.1 63.4 95.2

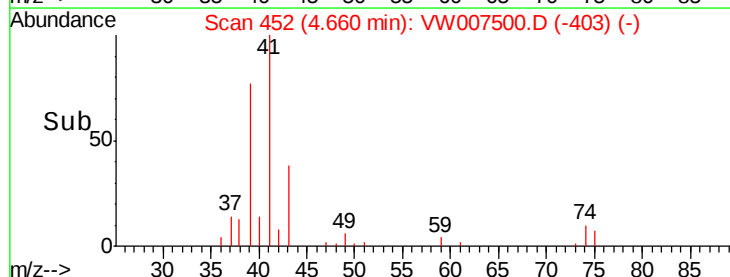
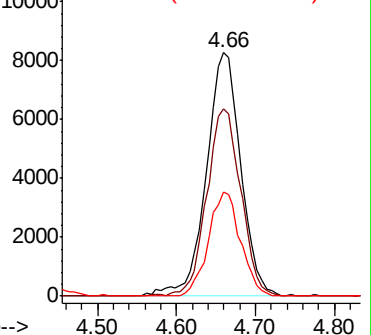
76 39.9 32.1 48.1

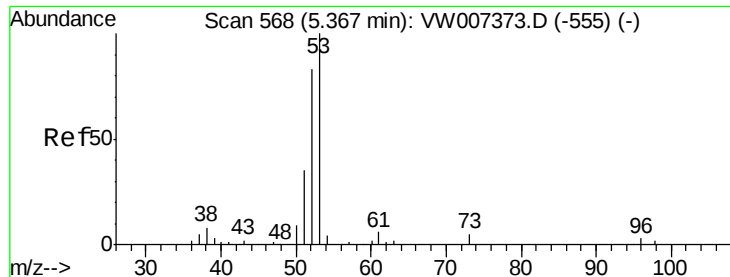


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 100.081 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Instrument :

MSVOA\_W

ClientSampleId :

VW1216SBSD02

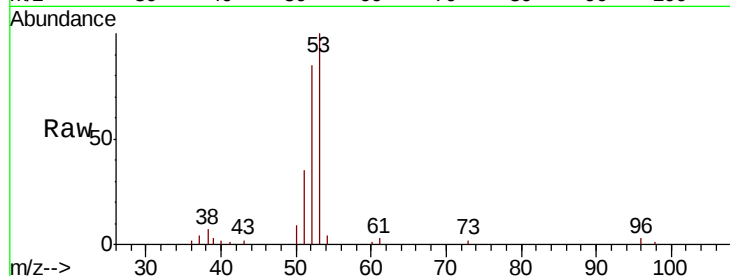
Tot Ion: 53 Resp: 17669

Ion Ratio Lower Upper

53 100

52 86.1 67.4 101.2

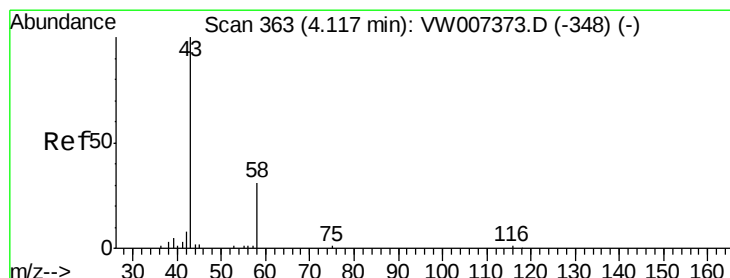
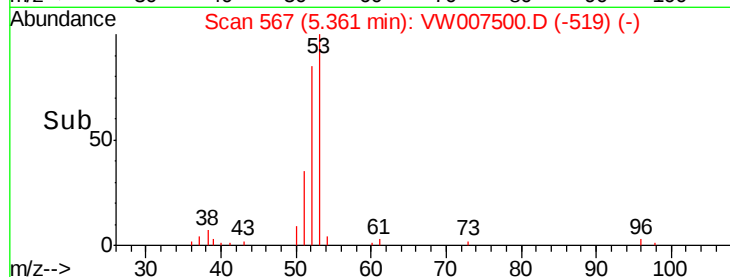
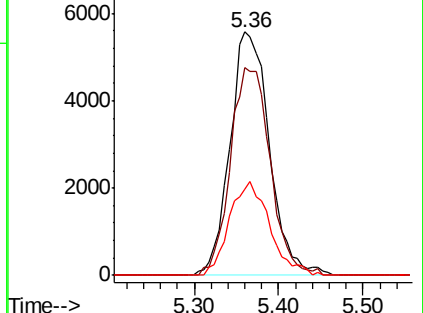
51 39.3 30.2 45.2



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 98.026 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007500.D

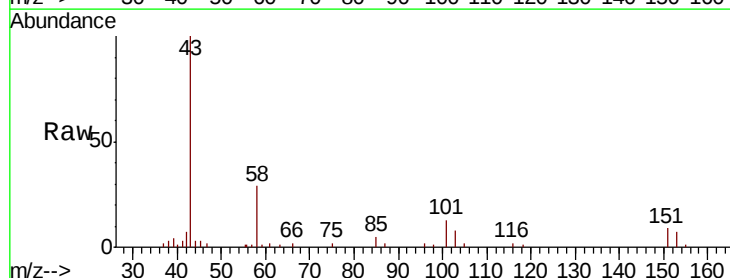
Acq: 13 Dec 2018 22:31

Tgt Ion: 43 Resp: 16461

Ion Ratio Lower Upper

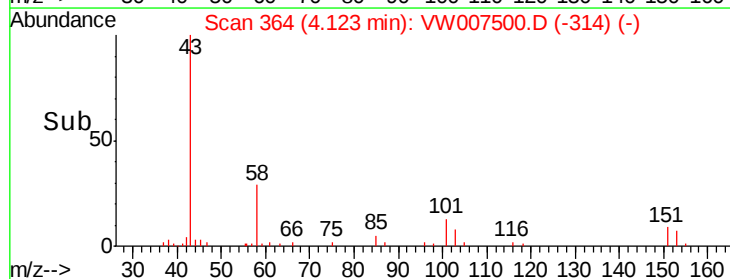
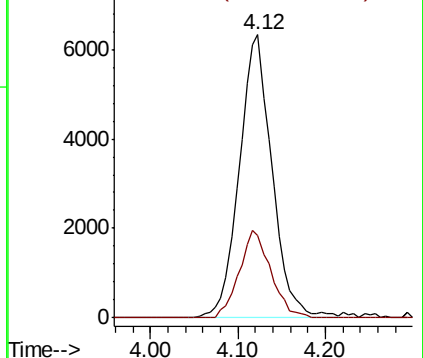
43 100

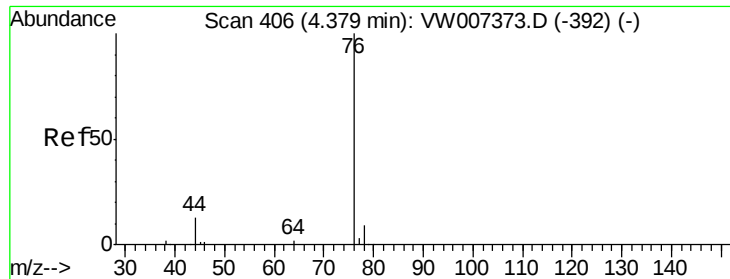
58 29.1 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

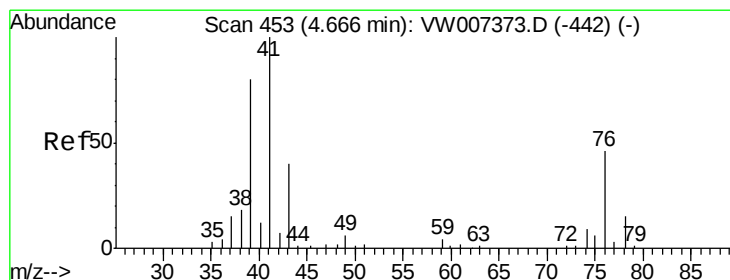
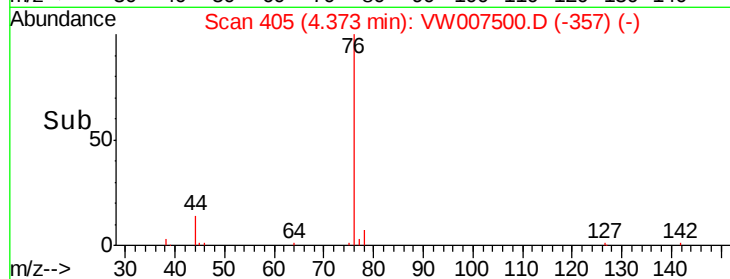
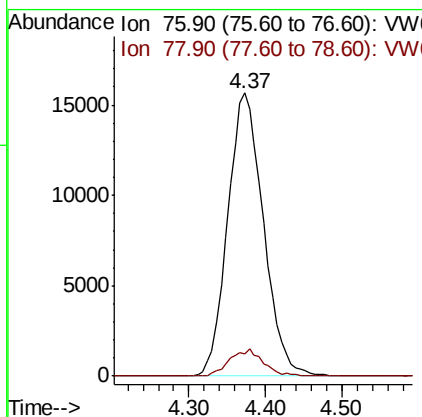
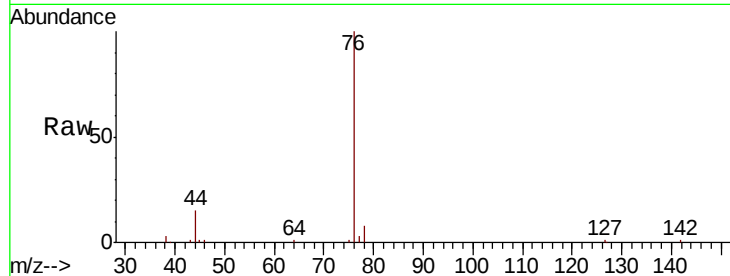




#17  
Carbon Disulfide  
Concen: 19.654 ug/l  
RT: 4.37 min Scan# 405  
Delta R.T. -0.01 min  
Lab File: VW007500.D  
Acq: 13 Dec 2018 22:31

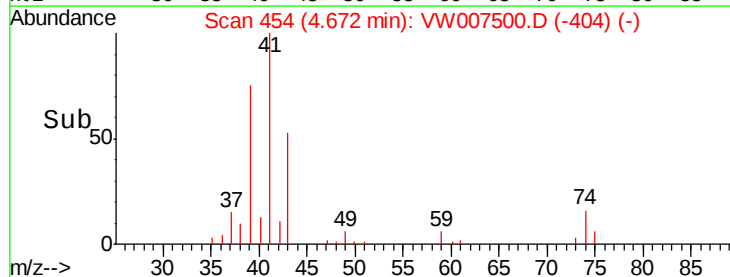
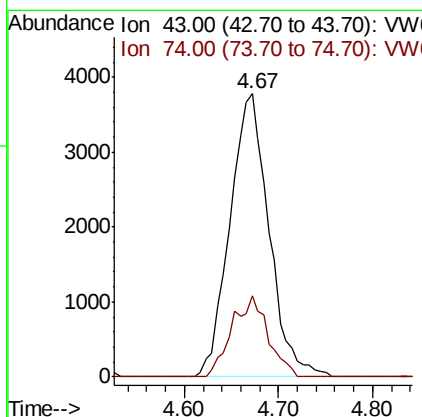
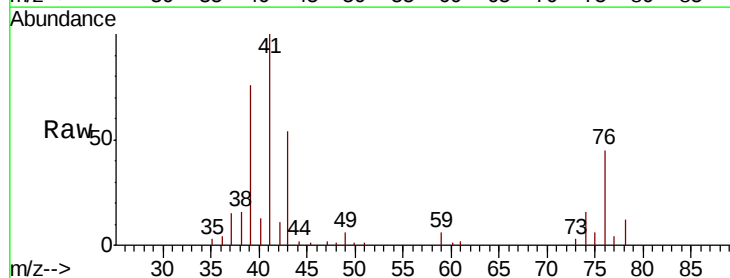
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1216SBSD02

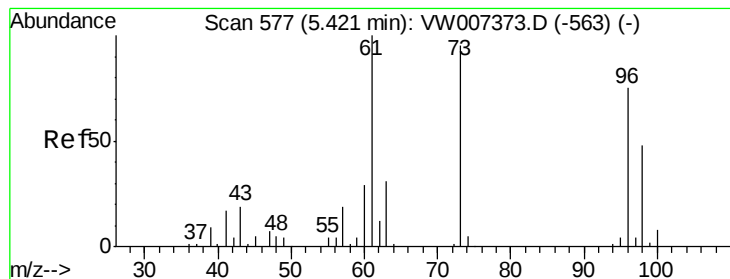
Tot Ion: 76 Resp: 50657  
Ion Ratio Lower Upper  
76 100  
78 7.7 7.1 10.7



#18  
Methyl Acetate  
Concen: 23.973 ug/l  
RT: 4.67 min Scan# 454  
Delta R.T. 0.01 min  
Lab File: VW007500.D  
Acq: 13 Dec 2018 22:31

Tgt Ion: 43 Resp: 10926  
Ion Ratio Lower Upper  
43 100  
74 26.4 21.1 31.7



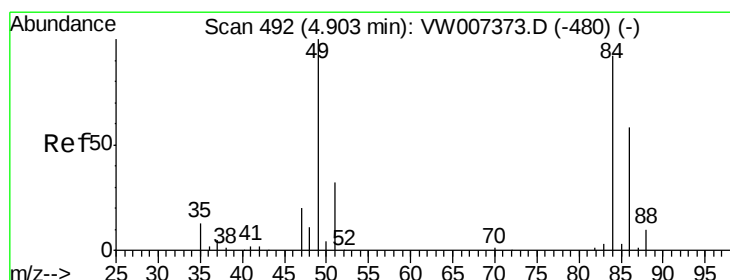
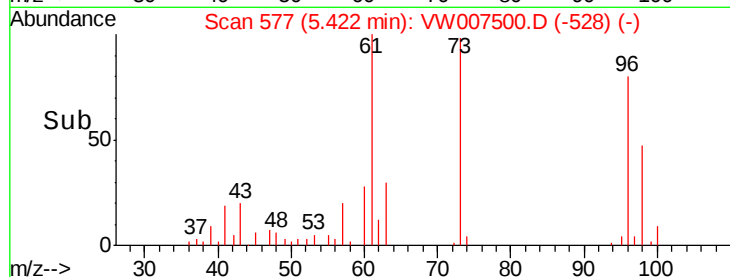
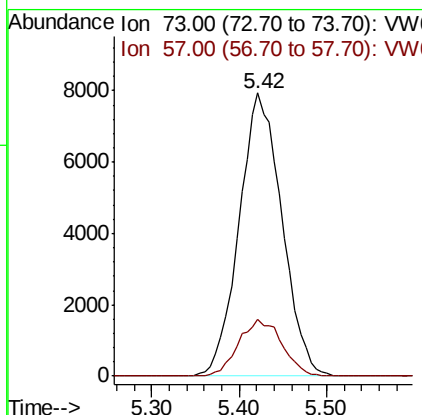
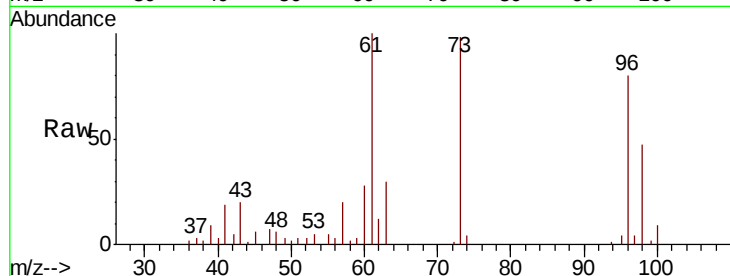


#19

Methyl tert-butyl Ether  
 Concen: 21.058 ug/l  
 RT: 5.42 min Scan# 577  
 Delta R.T. 0.00 min  
 Lab File: VW007500.D  
 Acq: 13 Dec 2018 22:31

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW1216SBS02

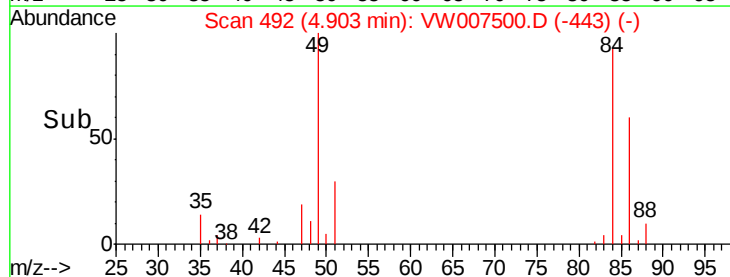
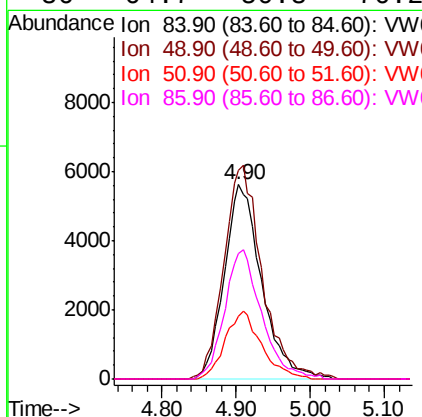
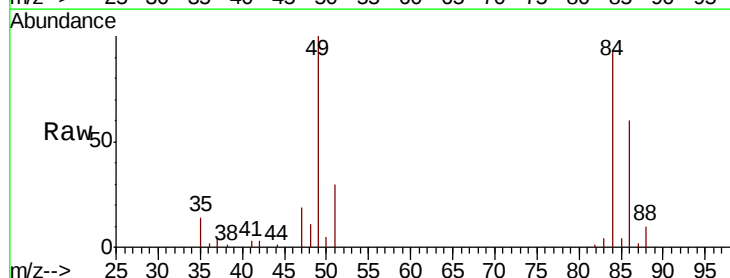
Tot Ion: 73 Resp: 27005  
 Ion Ratio Lower Upper  
 73 100  
 57 20.2 16.4 24.6

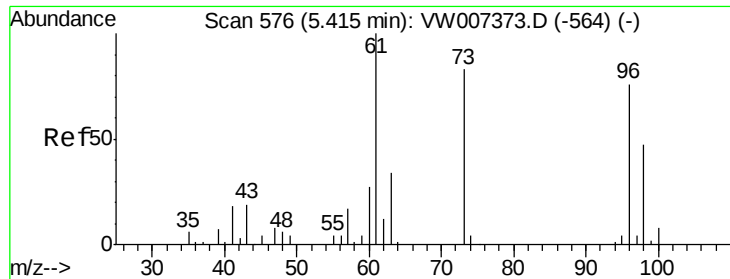


#20

Methylene Chloride  
 Concen: 19.027 ug/l  
 RT: 4.90 min Scan# 492  
 Delta R.T. 0.00 min  
 Lab File: VW007500.D  
 Acq: 13 Dec 2018 22:31

Tgt Ion: 84 Resp: 19701  
 Ion Ratio Lower Upper  
 84 100  
 49 107.6 87.1 130.7  
 51 32.2 28.2 42.2  
 86 64.7 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 19.911 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Instrument :

MSVOA\_W

ClientSampleId :

VW1216SBSD02

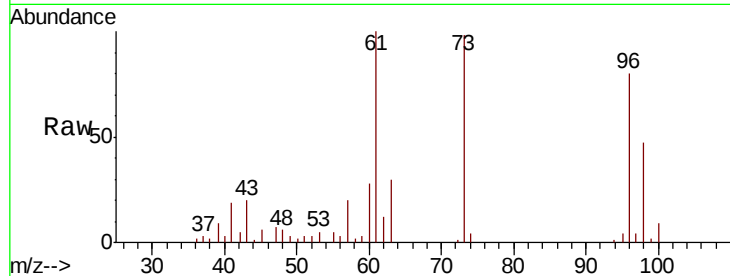
Tot Ion: 96 Resp: 18934

Ion Ratio Lower Upper

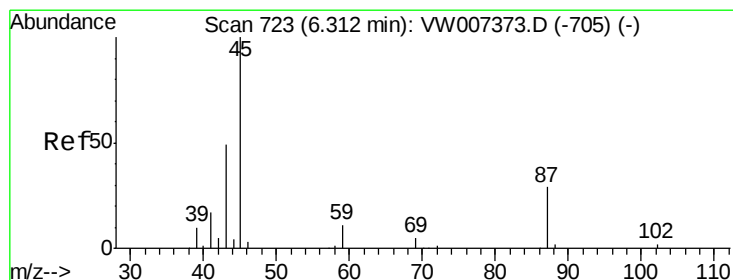
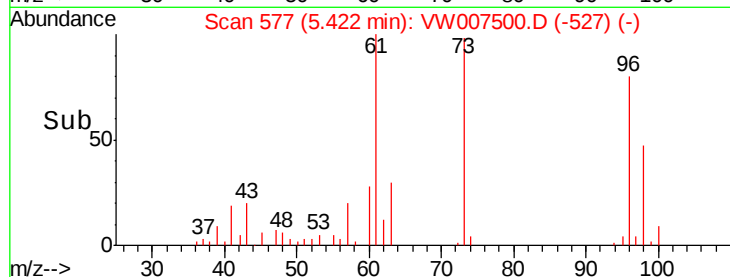
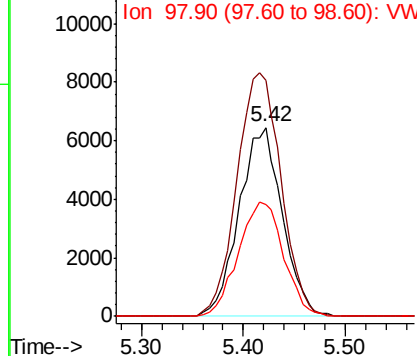
96 100

61 124.9 105.0 157.6

98 59.0 49.7 74.5



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



#22

Diisopropyl ether

Concen: 20.461 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Tgt Ion: 45 Resp: 49280

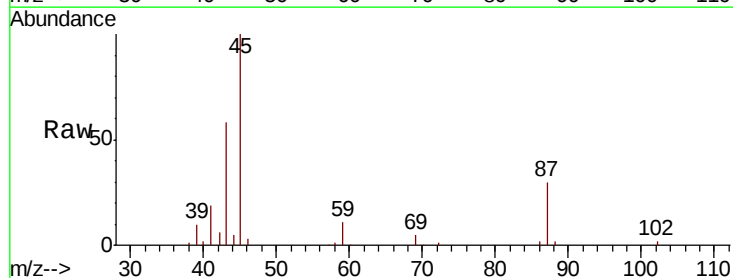
Ion Ratio Lower Upper

45 100

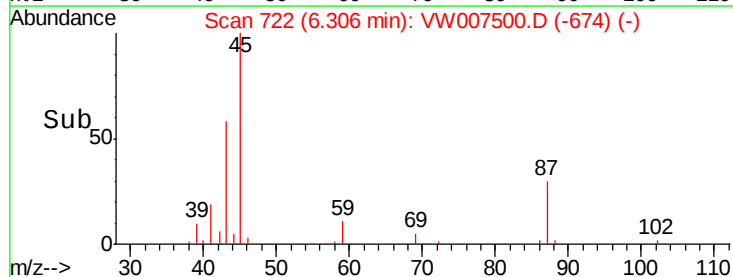
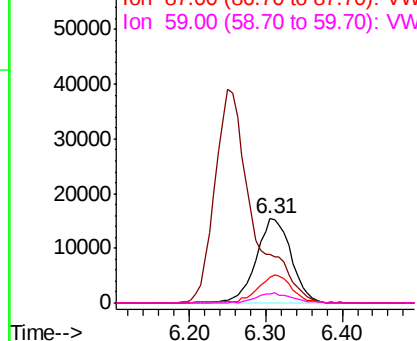
43 57.4 41.6 62.4

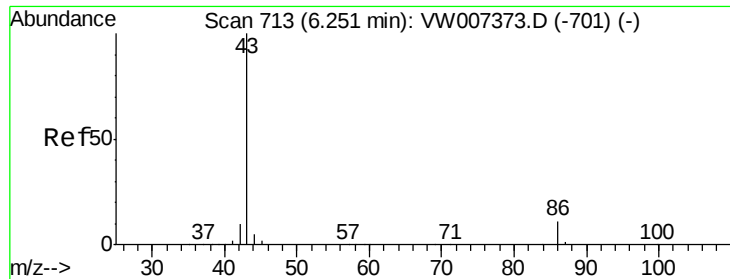
87 30.5 24.3 36.5

59 11.0 9.4 14.0



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

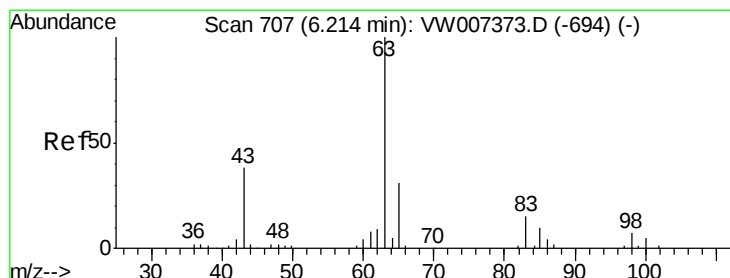
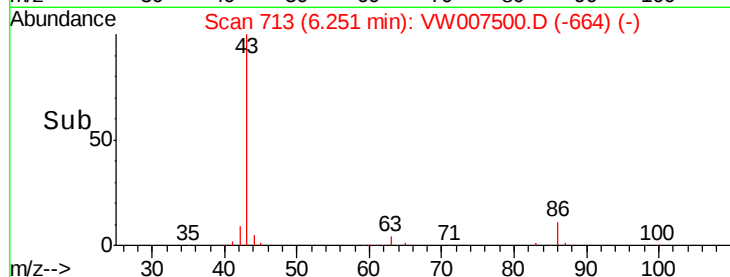
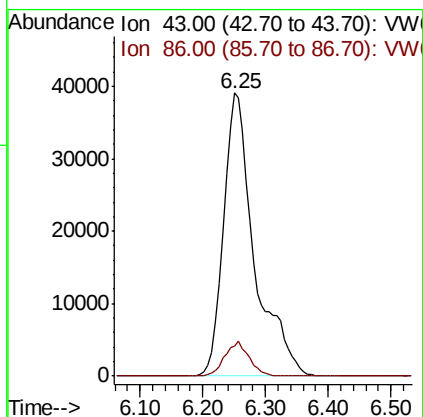
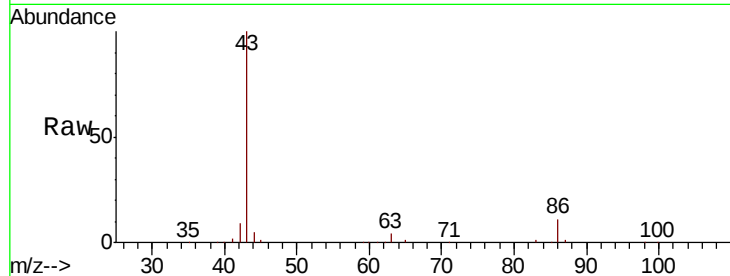




#23  
 Vinyl Acetate  
 Concen: 98.759 ug/l  
 RT: 6.25 min Scan# 713  
 Delta R.T. 0.00 min  
 Lab File: VW007500.D  
 Acq: 13 Dec 2018 22:31

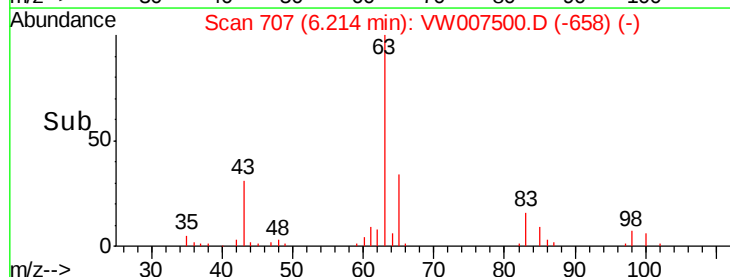
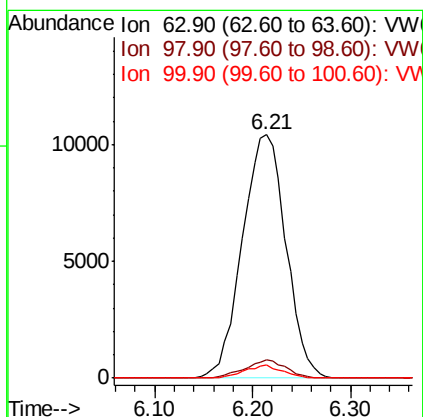
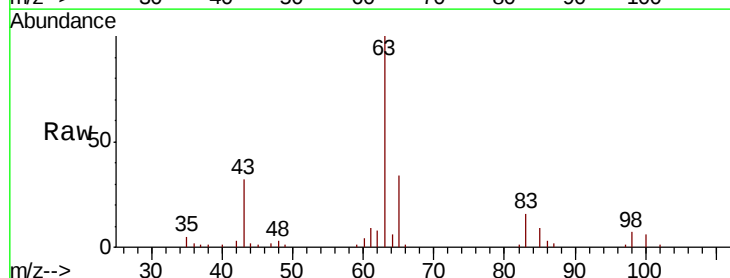
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW1216SBS02

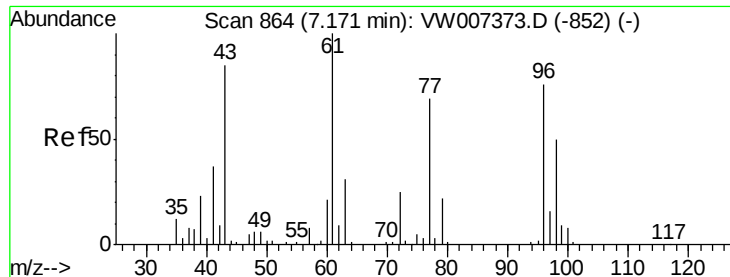
Tot Ion: 43 Resp: 133043  
 Ion Ratio Lower Upper  
 43 100  
 86 10.6 8.6 12.8



#24  
 1,1-Dichloroethane  
 Concen: 19.789 ug/l  
 RT: 6.21 min Scan# 707  
 Delta R.T. 0.00 min  
 Lab File: VW007500.D  
 Acq: 13 Dec 2018 22:31

Tgt Ion: 63 Resp: 32212  
 Ion Ratio Lower Upper  
 63 100  
 98 7.4 3.5 10.4  
 100 5.6 2.5 7.5





#25

2-Butanone

Concen: 98.492 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Instrument :

MSVOA\_W

ClientSampleId :

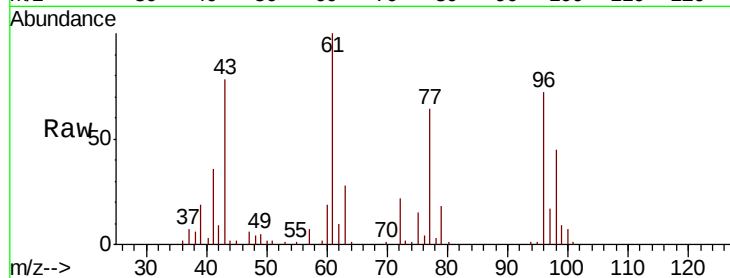
VW1216SBSD02

Tot Ion: 43 Resp: 21592

Ion Ratio Lower Upper

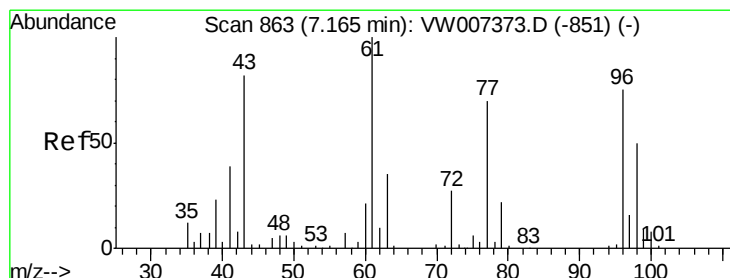
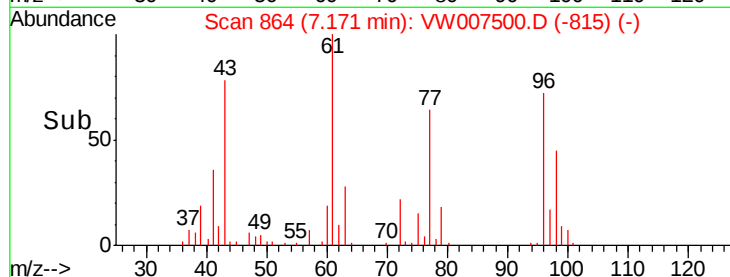
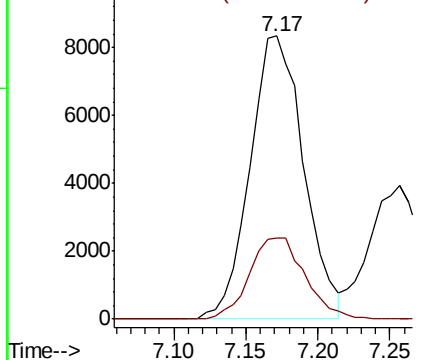
43 100

72 28.5 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 19.426 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW007500.D

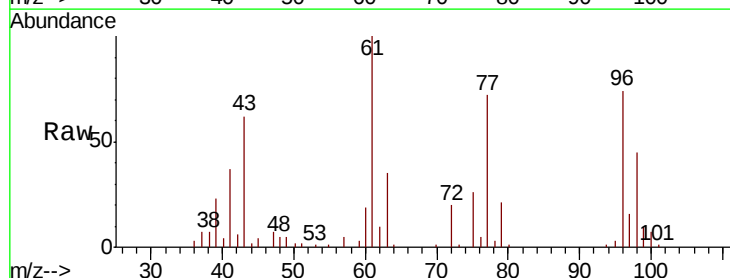
Acq: 13 Dec 2018 22:31

Tgt Ion: 77 Resp: 20928

Ion Ratio Lower Upper

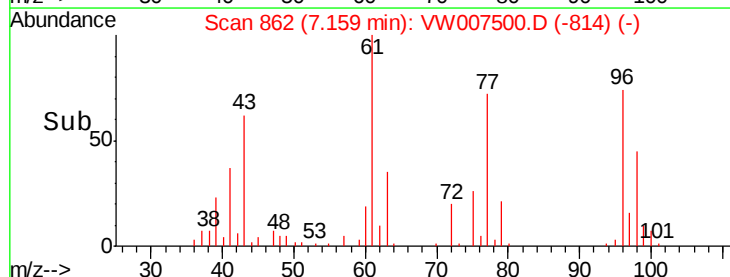
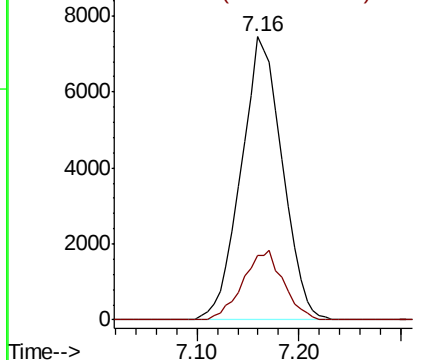
77 100

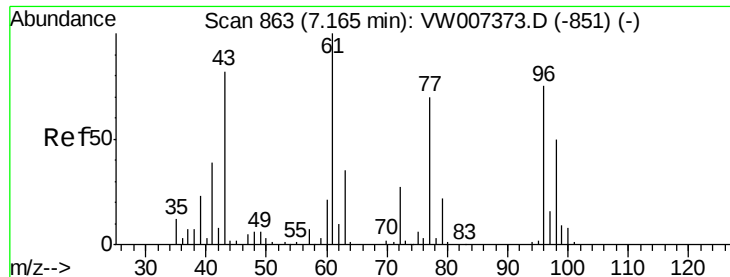
97 24.1 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



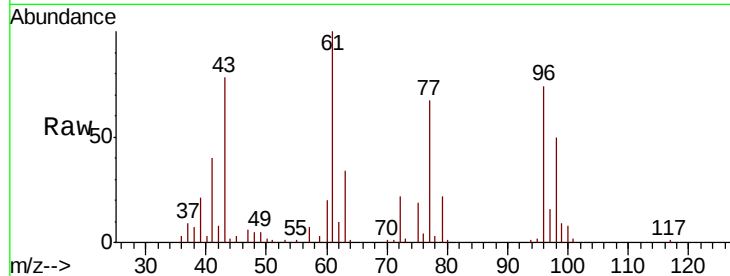


#27

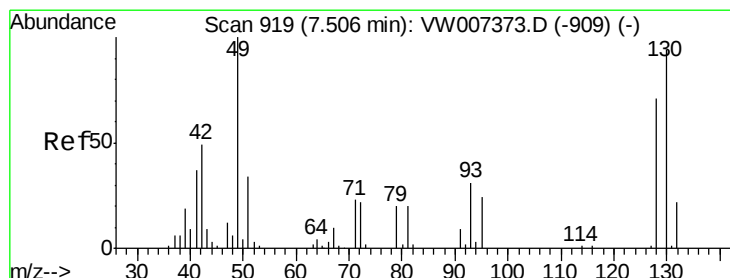
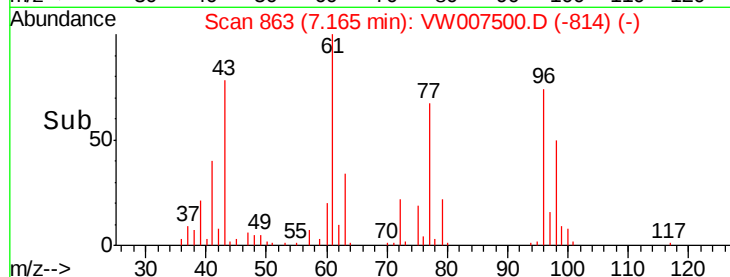
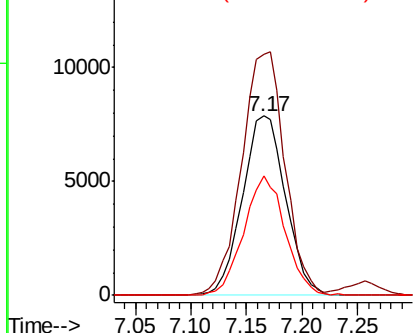
cis-1,2-Dichloroethene  
Concen: 20.391 ug/l  
RT: 7.17 min Scan# 863  
Delta R.T. 0.00 min  
Lab File: VW007500.D  
Acq: 13 Dec 2018 22:31

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1216SBSD02

Tot Ion: 96 Resp: 21232  
Ion Ratio Lower Upper  
96 100  
61 136.3 0.0 268.4  
98 63.8 0.0 127.8



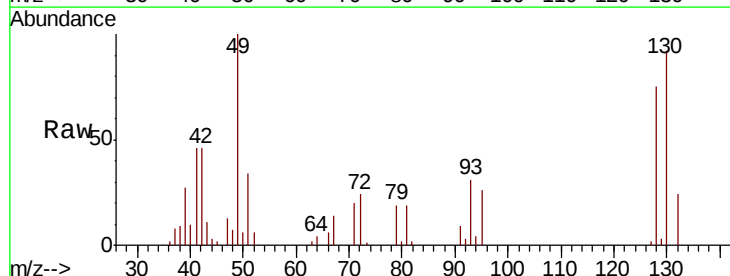
Abundance Ion 95.90 (95.60 to 96.60): VW  
Ion 60.90 (60.60 to 61.60): VW  
Ion 97.90 (97.60 to 98.60): VW



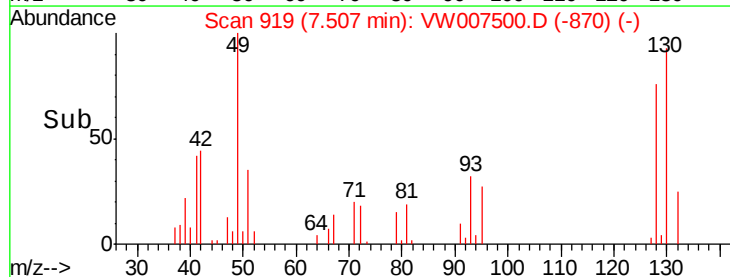
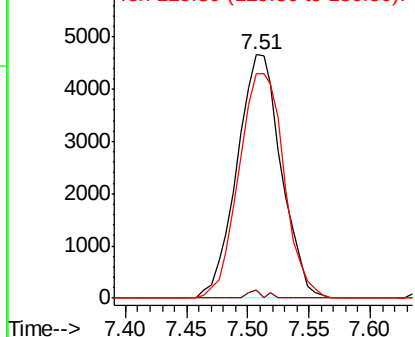
#28

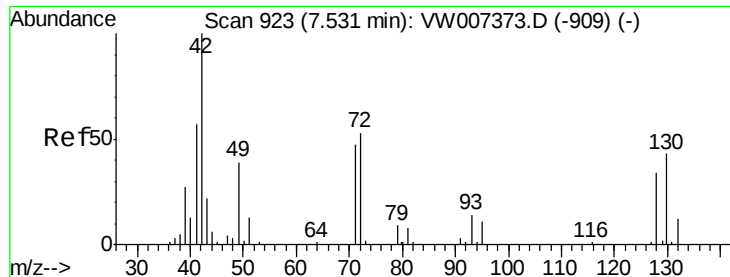
Bromochloromethane  
Concen: 19.179 ug/l  
RT: 7.51 min Scan# 919  
Delta R.T. 0.00 min  
Lab File: VW007500.D  
Acq: 13 Dec 2018 22:31

Tgt Ion: 49 Resp: 11743  
Ion Ratio Lower Upper  
49 100  
129 1.1 0.0 2.6  
130 94.0 75.9 113.9



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

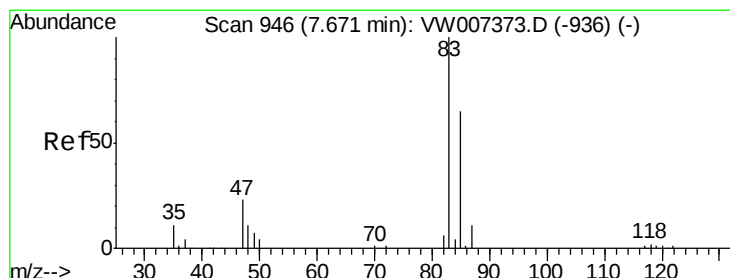
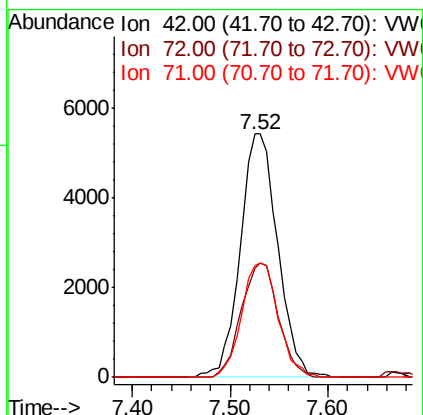
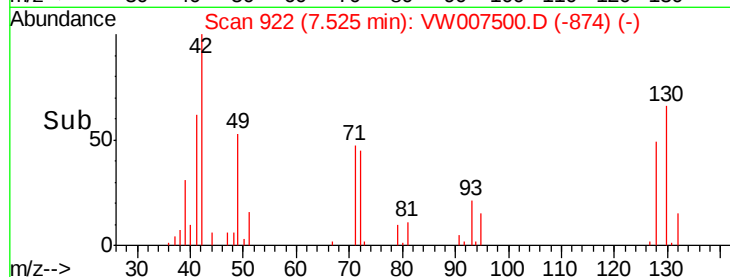
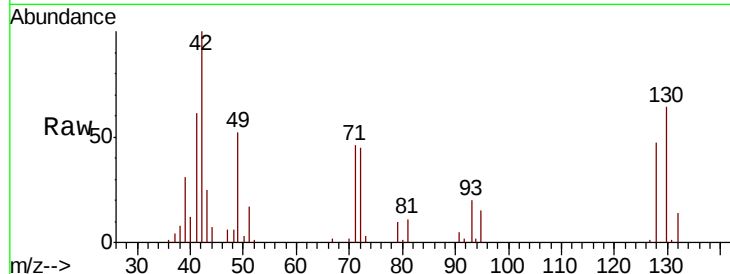




#29  
Tetrahydrofuran  
Concen: 103.592 ug/l  
RT: 7.52 min Scan# 922  
Delta R.T. -0.01 min  
Lab File: VW007500.D  
Acq: 13 Dec 2018 22:31

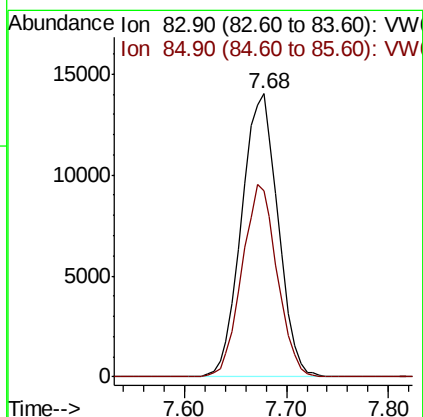
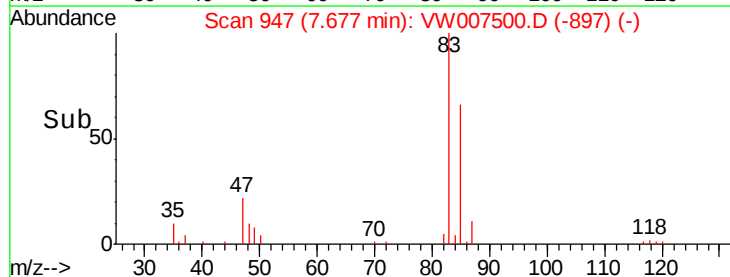
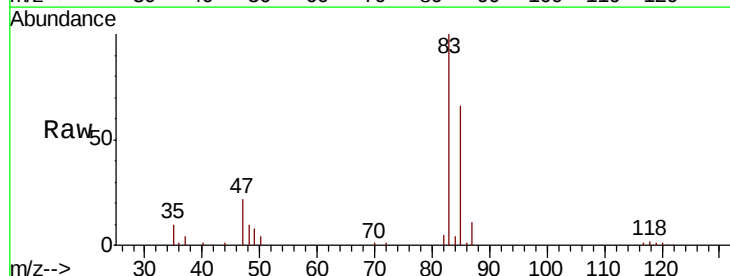
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1216SBSD02

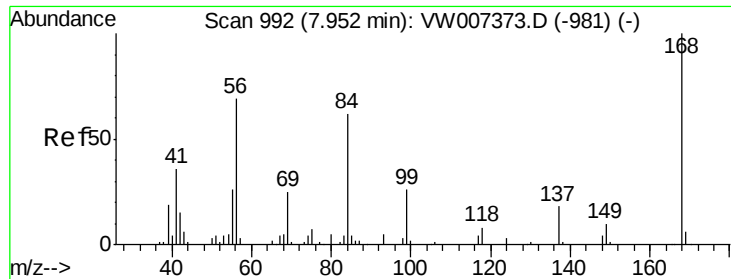
Tot Ion: 42 Resp: 14377  
Ion Ratio Lower Upper  
42 100  
72 46.5 38.2 57.4  
71 45.9 35.5 53.3



#30  
Chloroform  
Concen: 19.699 ug/l  
RT: 7.68 min Scan# 947  
Delta R.T. 0.01 min  
Lab File: VW007500.D  
Acq: 13 Dec 2018 22:31

Tgt Ion: 83 Resp: 34895  
Ion Ratio Lower Upper  
83 100  
85 65.6 51.8 77.8

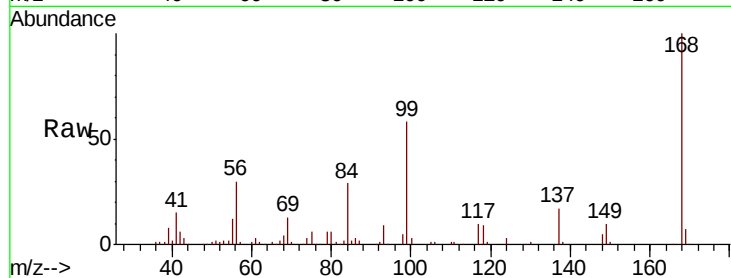




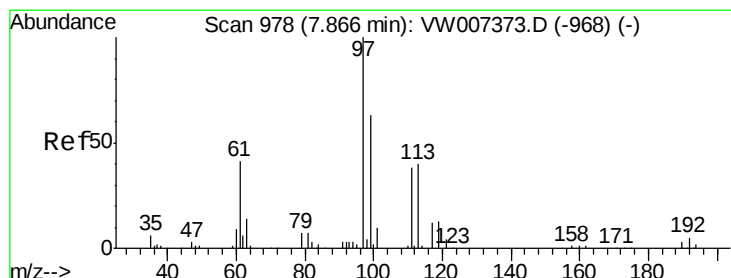
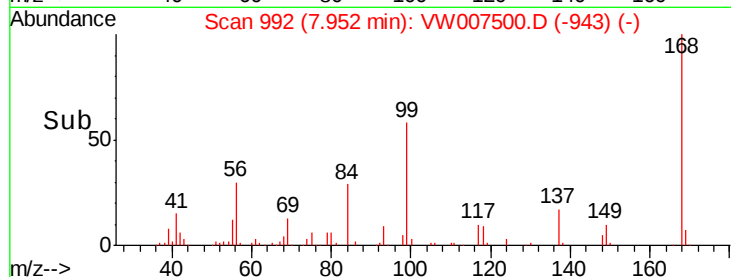
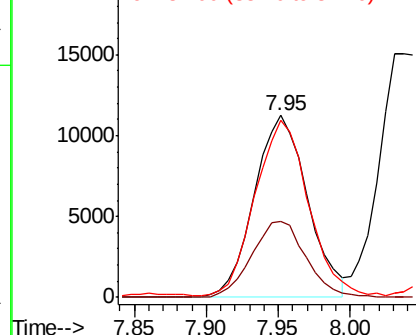
#31  
Cyclohexane  
Concen: 19.335 ug/l  
RT: 7.95 min Scan# 992  
Delta R.T. 0.00 min  
Lab File: VW007500.D  
Acq: 13 Dec 2018 22:31

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1216SBSD02

Tot Ion: 56 Resp: 28877  
Ion Ratio Lower Upper  
56 100  
69 41.7 28.9 43.3  
84 96.7 71.8 107.6

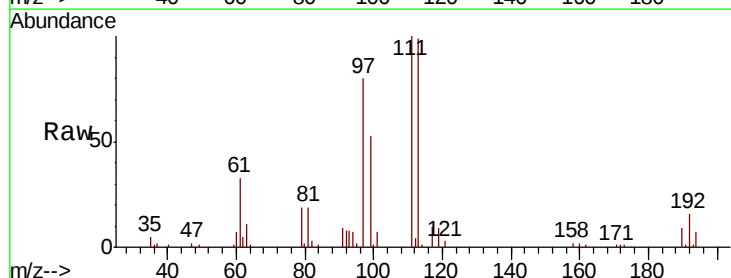


Abundance Ion 56.00 (55.70 to 56.70): VW  
Ion 69.00 (68.70 to 69.70): VW  
Ion 84.00 (83.70 to 84.70): VW

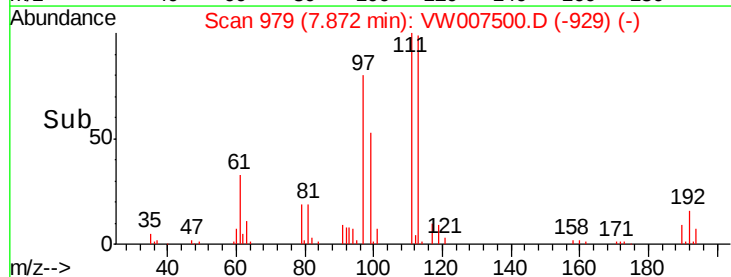
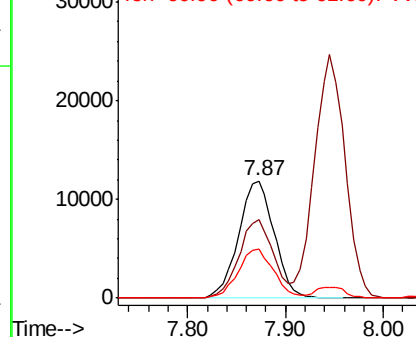


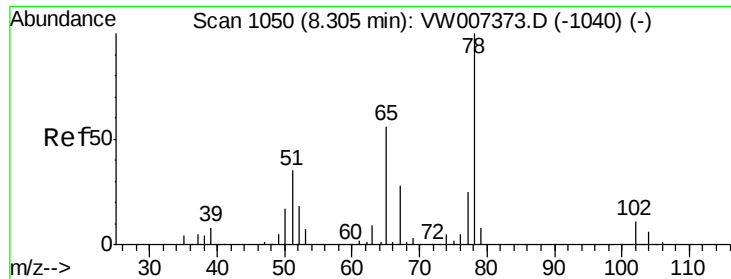
#32  
1,1,1-Trichloroethane  
Concen: 19.312 ug/l  
RT: 7.87 min Scan# 979  
Delta R.T. 0.01 min  
Lab File: VW007500.D  
Acq: 13 Dec 2018 22:31

Tgt Ion: 97 Resp: 30000  
Ion Ratio Lower Upper  
97 100  
99 64.4 51.1 76.7  
61 41.5 33.2 49.8



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

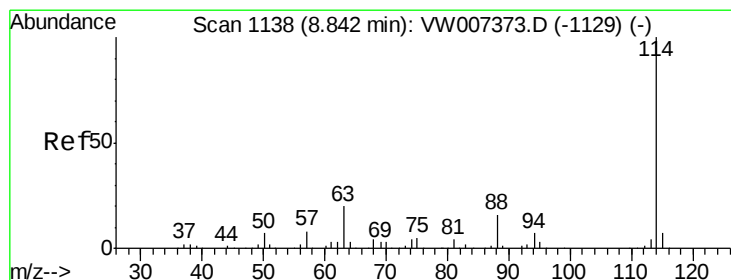
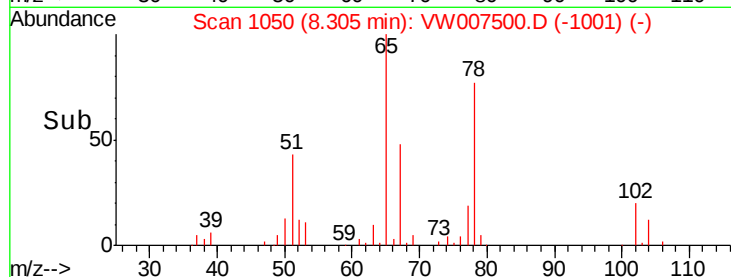
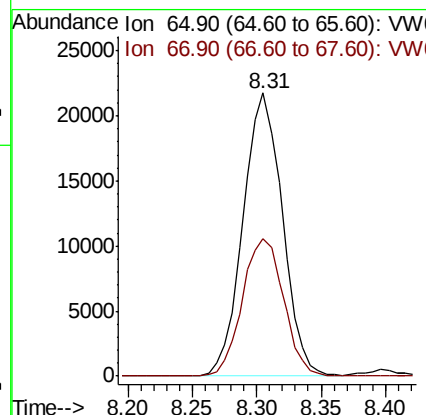
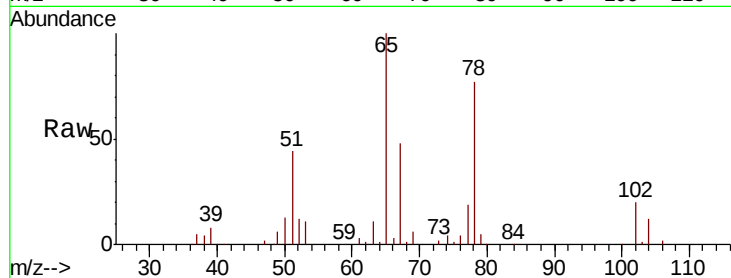




#33  
 1,2-Dichloroethane-d4  
 Concen: 47.890 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. 0.00 min  
 Lab File: VW007500.D  
 Acq: 13 Dec 2018 22:31

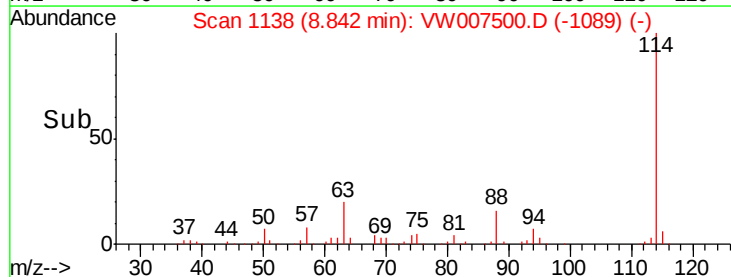
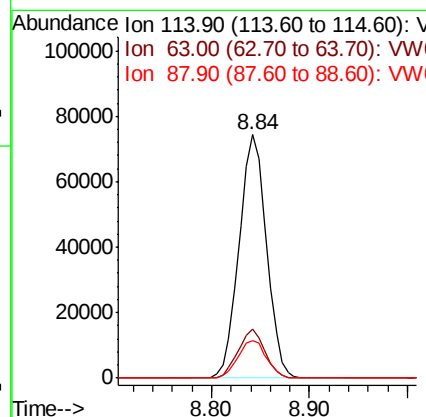
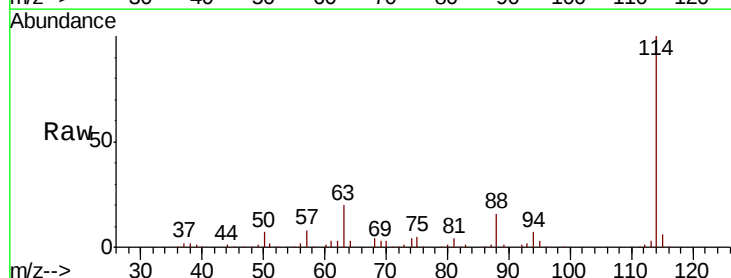
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW1216SBSD02

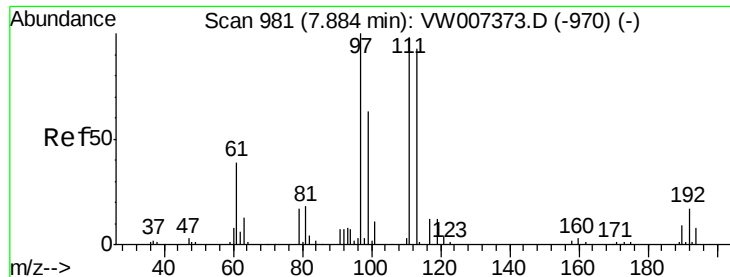
Tot Ion: 65 Resp: 46040  
 Ion Ratio Lower Upper  
 65 100  
 67 50.7 0.0 101.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW007500.D  
 Acq: 13 Dec 2018 22:31

Tgt Ion: 114 Resp: 144482  
 Ion Ratio Lower Upper  
 114 100  
 63 20.1 0.0 39.6  
 88 15.7 0.0 31.4

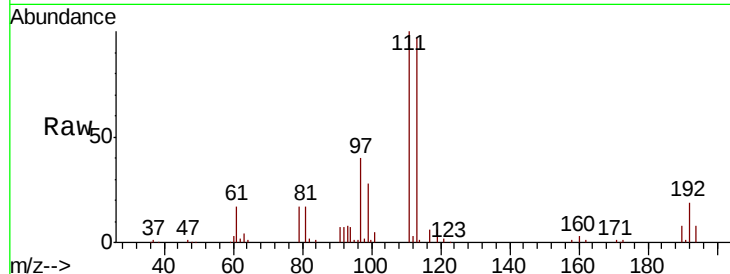




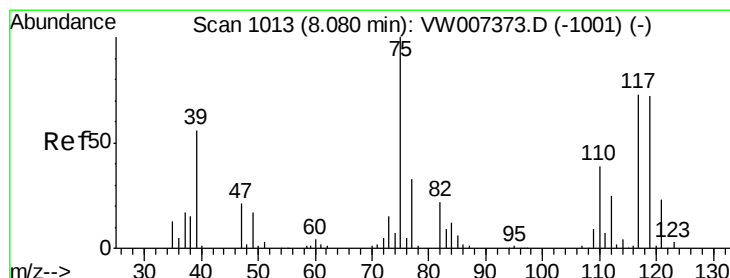
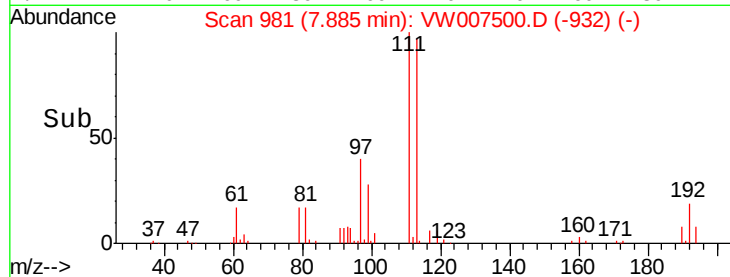
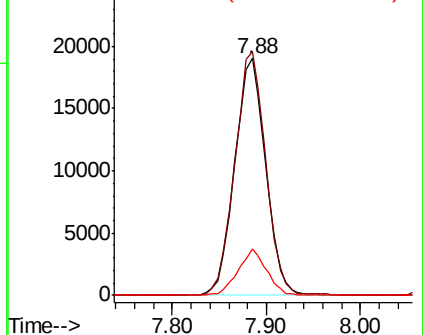
#35  
 Dibromofluoromethane  
 Concen: 49.942 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. 0.00 min  
 Lab File: VW007500.D  
 Acq: 13 Dec 2018 22:31

Instrument :  
 MSVOA\_W  
 ClientSampleID :  
 VW1216SBSD02

Tot Ion:113 Resp: 43680  
 Ion Ratio Lower Upper  
 113 100  
 111 102.0 81.1 121.7  
 192 18.0 14.6 21.8

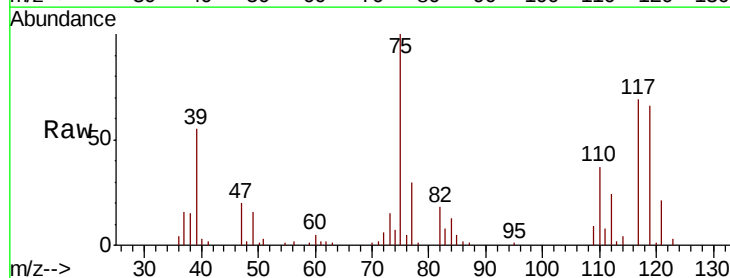


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

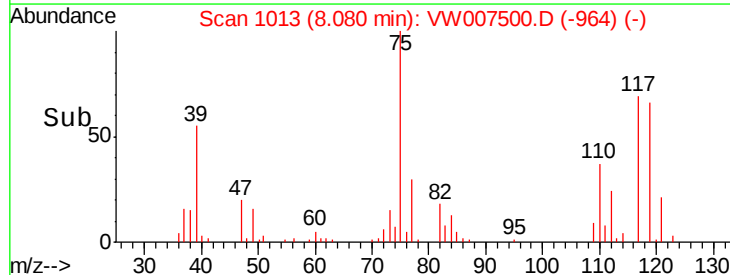
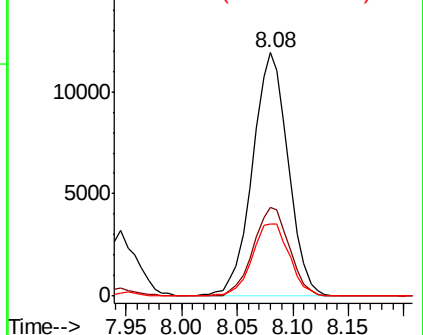


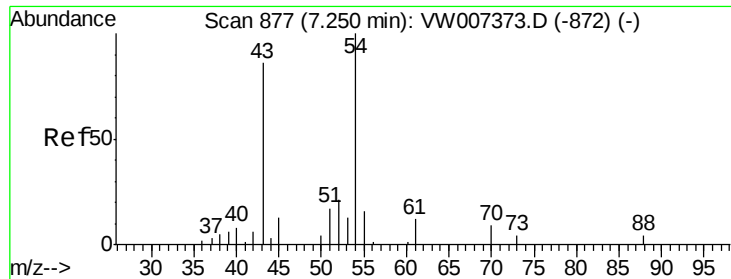
#36  
 1,1-Dichloropropene  
 Concen: 20.253 ug/l  
 RT: 8.08 min Scan# 1013  
 Delta R.T. 0.00 min  
 Lab File: VW007500.D  
 Acq: 13 Dec 2018 22:31

Tgt Ion: 75 Resp: 26694  
 Ion Ratio Lower Upper  
 75 100  
 110 36.6 18.5 55.5  
 77 31.0 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VW  
 Ion 109.90 (109.60 to 110.60): V  
 Ion 76.90 (76.60 to 77.60): VW

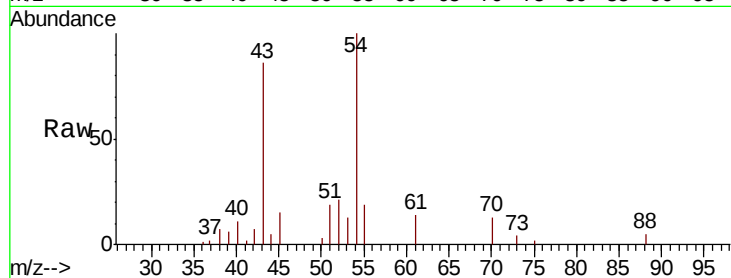




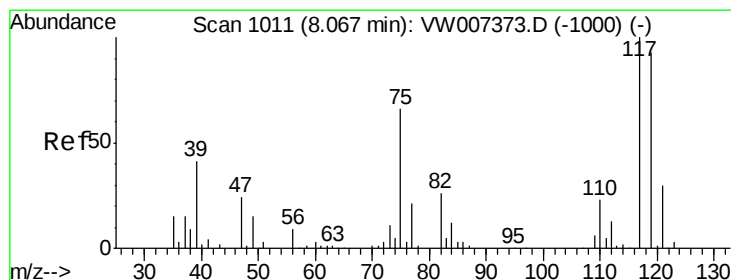
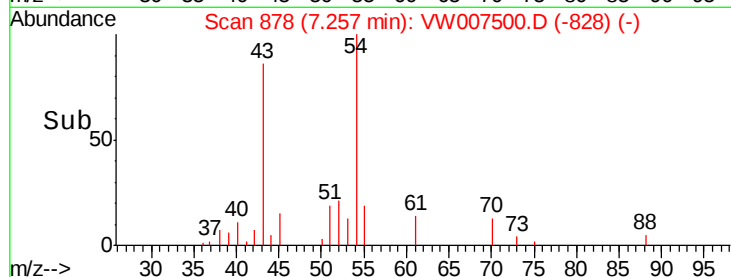
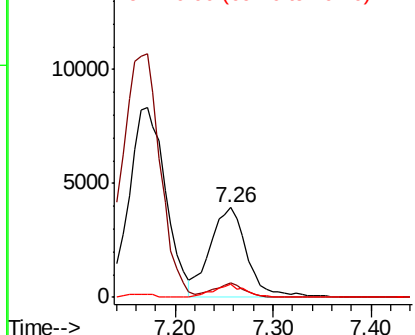
#37  
Ethyl Acetate  
Concen: 21.201 ug/l  
RT: 7.26 min Scan# 878  
Delta R.T. 0.01 min  
Lab File: VW007500.D  
Acq: 13 Dec 2018 22:31

Instrument :  
MSVOA\_W  
ClientSampled :  
VW1216SBS02

Tot Ion: 43 Resp: 10393  
Ion Ratio Lower Upper  
43 100  
61 13.1 12.1 18.1  
70 12.1 10.0 15.0

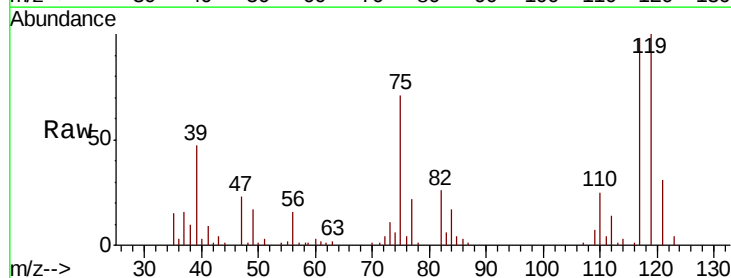


Abundance Ion 43.00 (42.70 to 43.70): VW  
Ion 60.90 (60.60 to 61.60): VW  
Ion 70.00 (69.70 to 70.70): VW

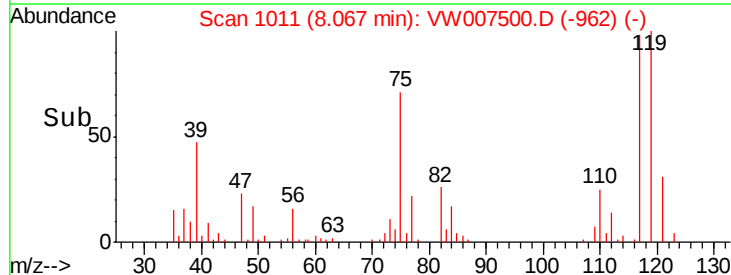
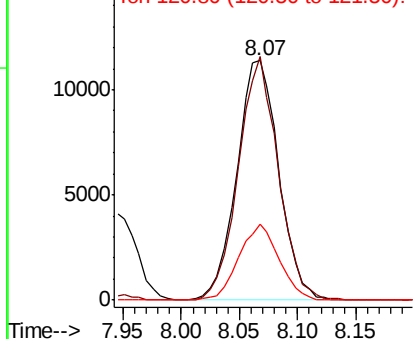


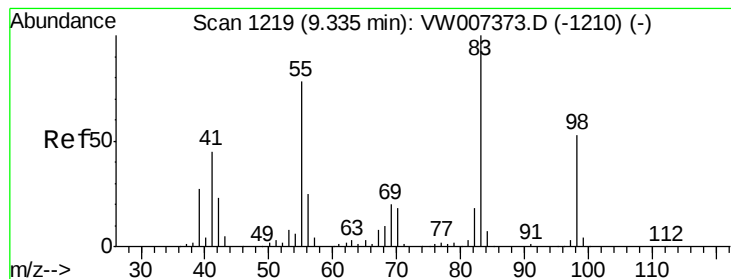
#38  
Carbon Tetrachloride  
Concen: 19.888 ug/l  
RT: 8.07 min Scan# 1011  
Delta R.T. 0.00 min  
Lab File: VW007500.D  
Acq: 13 Dec 2018 22:31

Tgt Ion: 117 Resp: 28522  
Ion Ratio Lower Upper  
117 100  
119 101.6 74.3 111.5  
121 31.7 24.3 36.5



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

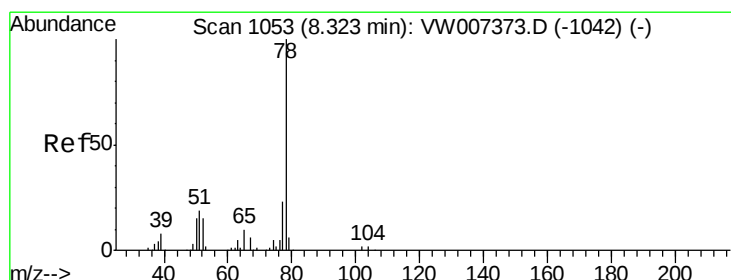
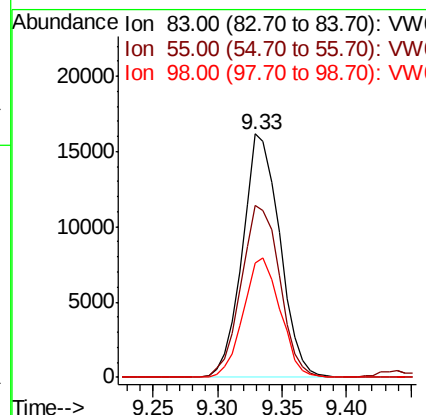
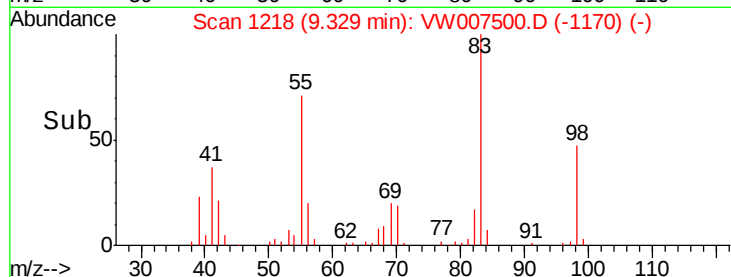
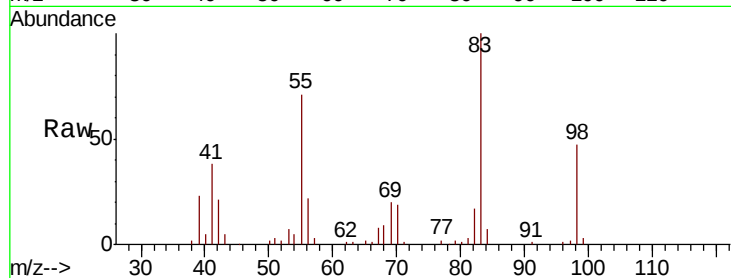




#39  
Methvlcvclohexane  
Concen: 20.312 ug/l  
RT: 9.33 min Scan# 1218  
Delta R.T. -0.01 min  
Lab File: VW007500.D  
Acq: 13 Dec 2018 22:31

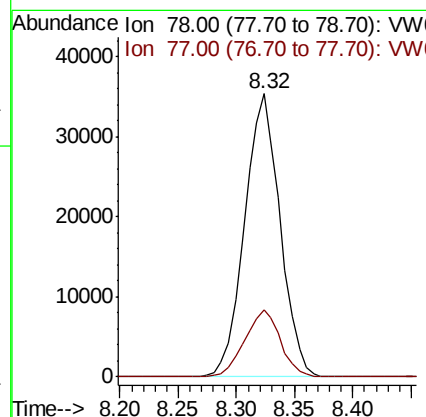
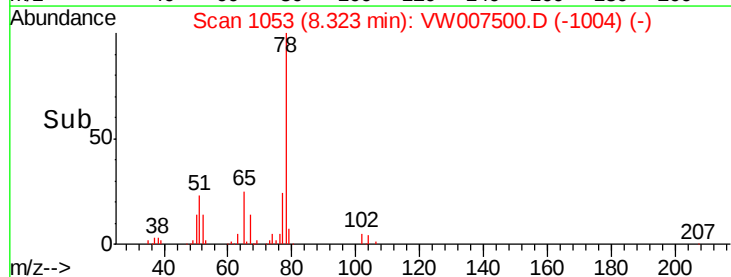
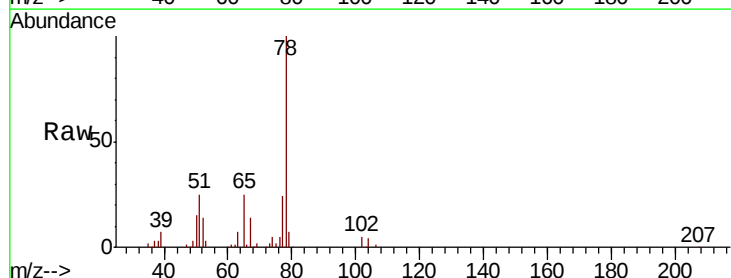
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1216SBSD02

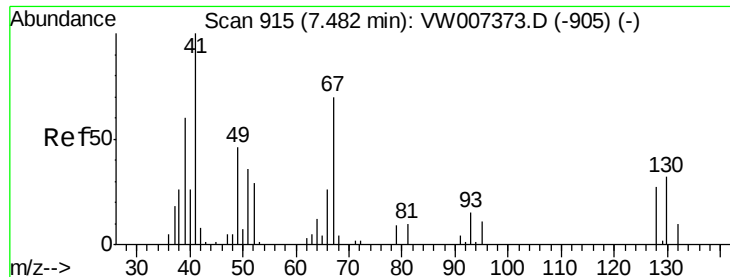
Tot Ion: 83 Resp: 32418  
Ion Ratio Lower Upper  
83 100  
55 70.8 62.8 94.2  
98 47.0 42.2 63.2



#40  
Benzene  
Concen: 20.472 ug/l  
RT: 8.32 min Scan# 1053  
Delta R.T. 0.00 min  
Lab File: VW007500.D  
Acq: 13 Dec 2018 22:31

Tgt Ion: 78 Resp: 74882  
Ion Ratio Lower Upper  
78 100  
77 23.5 18.8 28.2

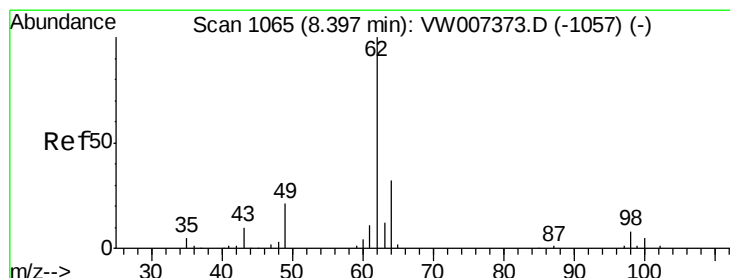
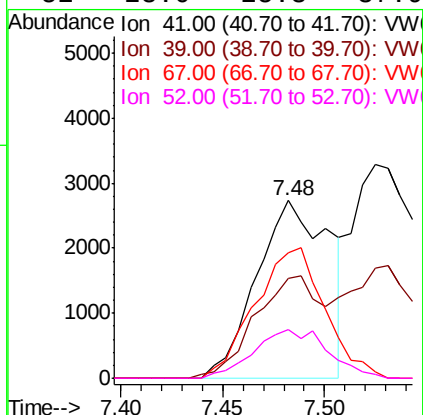
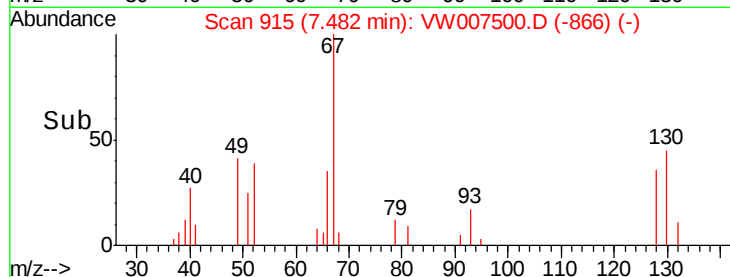
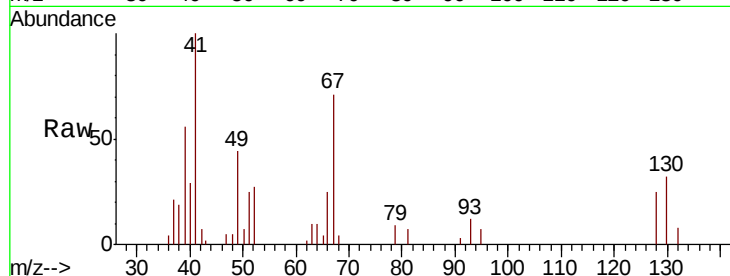




#41  
Methacrylonitrile  
Concen: 24.309 ug/l  
RT: 7.48 min Scan# 915  
Delta R.T. 0.00 min  
Lab File: VW007500.D  
Acq: 13 Dec 2018 22:31

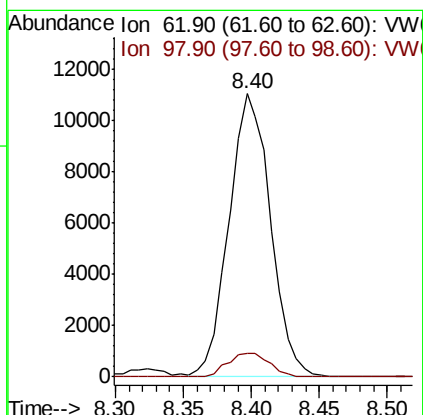
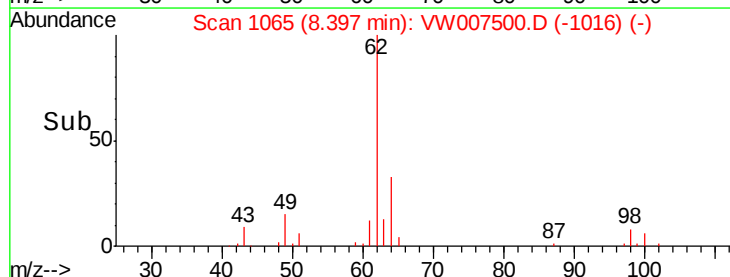
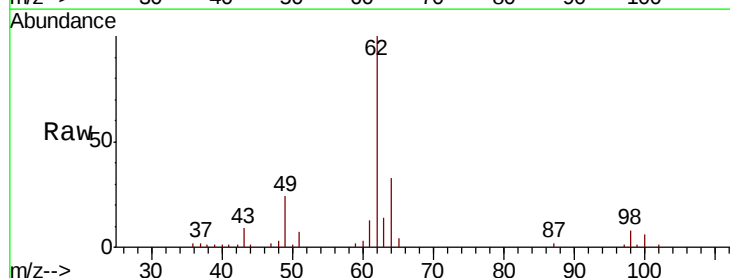
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1216SBSD02

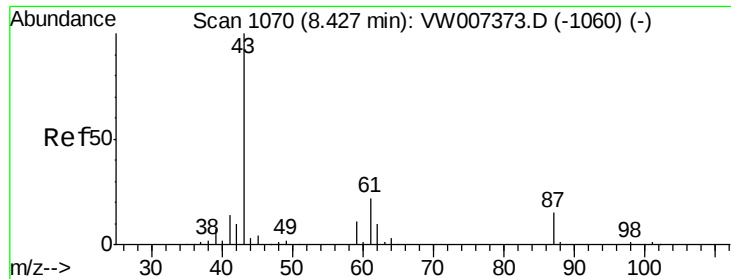
Tot Ion: 41 Resp: 6786  
Ion Ratio Lower Upper  
41 100  
39 51.7 52.2 78.2#  
67 70.2 60.5 90.7  
52 28.0 25.3 37.9



#42  
1,2-Dichloroethane  
Concen: 20.449 ug/l  
RT: 8.40 min Scan# 1065  
Delta R.T. 0.00 min  
Lab File: VW007500.D  
Acq: 13 Dec 2018 22:31

Tgt Ion: 62 Resp: 23496  
Ion Ratio Lower Upper  
62 100  
98 8.4 0.0 17.6





#43

Isopropyl Acetate

Concen: 20.660 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Instrument :

MSVOA\_W

ClientSampleId :

VW1216SBS02

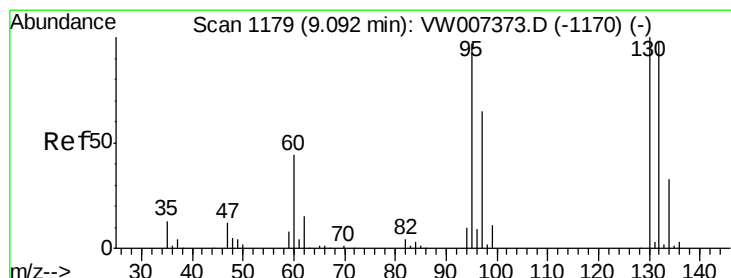
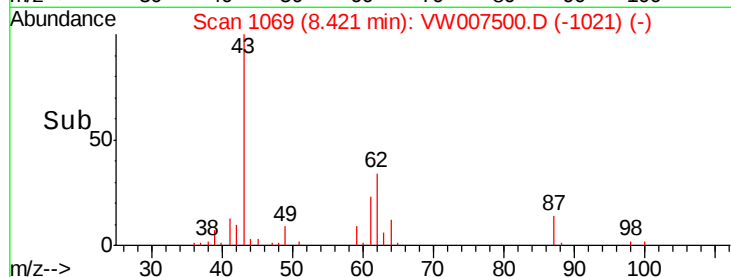
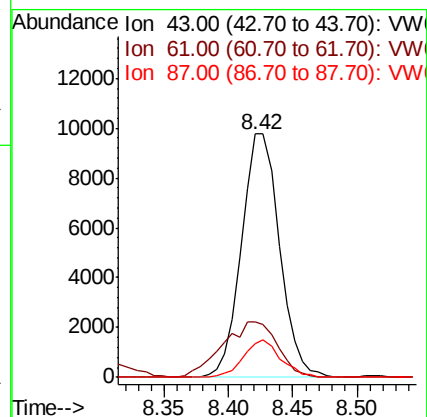
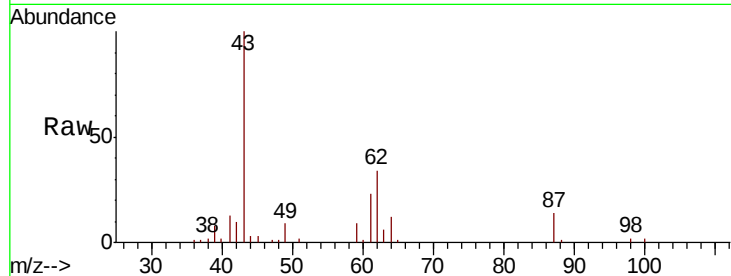
Tot Ion: 43 Resp: 20006

Ion Ratio Lower Upper

43 100

61 32.9 25.3 37.9

87 15.0 11.8 17.8



#44

Trichloroethene

Concen: 20.686 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW007500.D

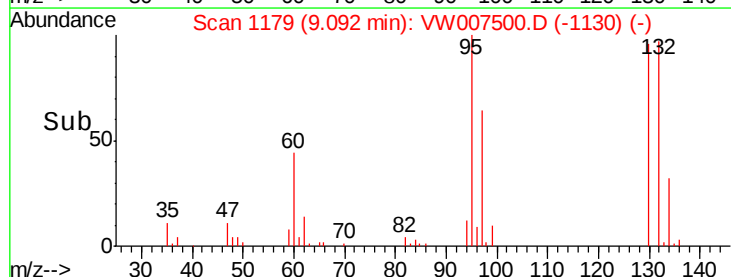
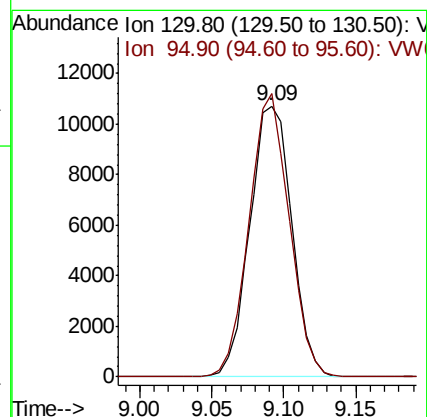
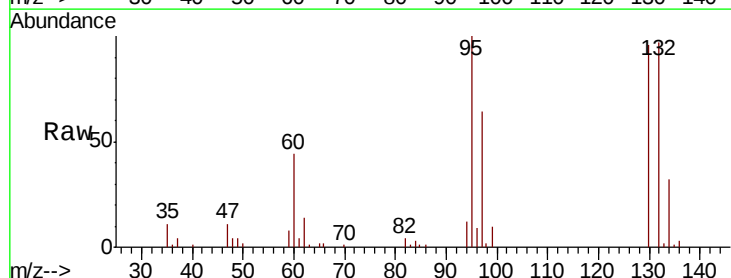
Acq: 13 Dec 2018 22:31

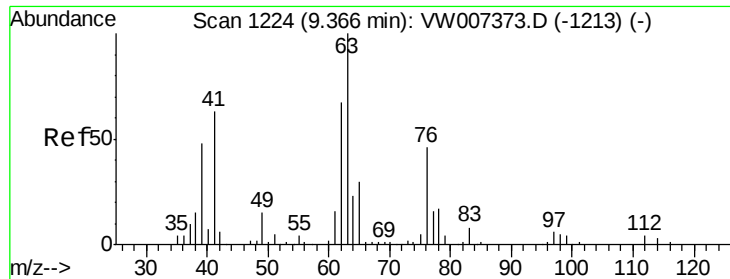
Tgt Ion: 130 Resp: 21606

Ion Ratio Lower Upper

130 100

95 104.5 0.0 193.2





#45

1,2-Dichloropropane

Concen: 20.716 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Instrument :

MSVOA\_W

ClientSampleId :

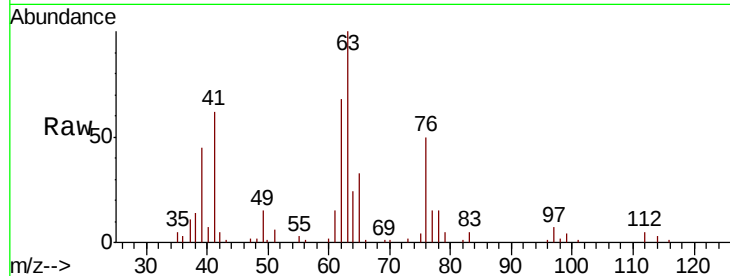
VW1216SBS02

Tot Ion: 63 Resp: 17535

Ion Ratio Lower Upper

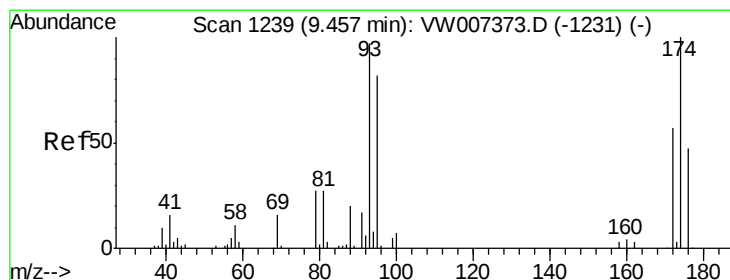
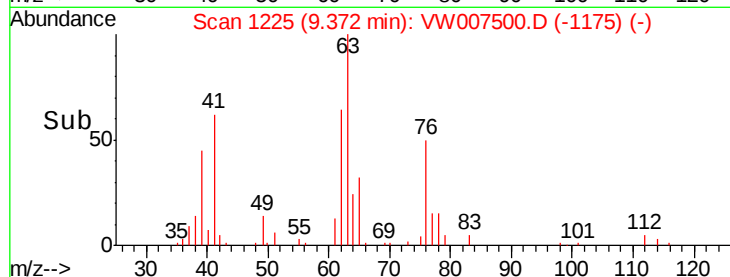
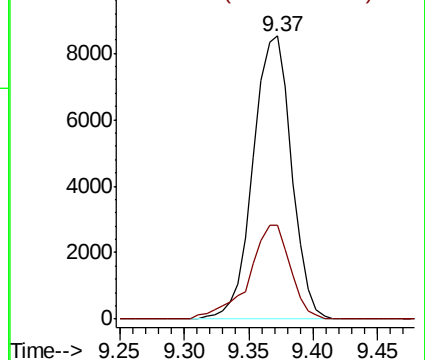
63 100

65 33.0 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 20.244 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

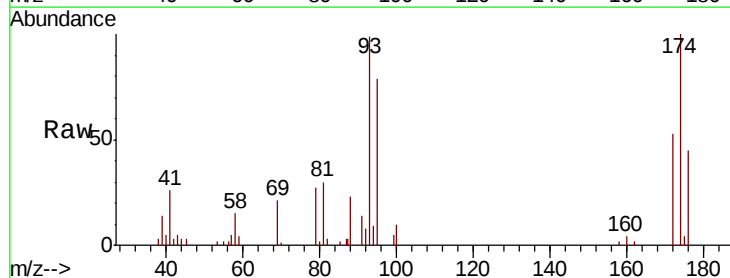
Tgt Ion: 93 Resp: 9731

Ion Ratio Lower Upper

93 100

95 86.3 68.0 102.0

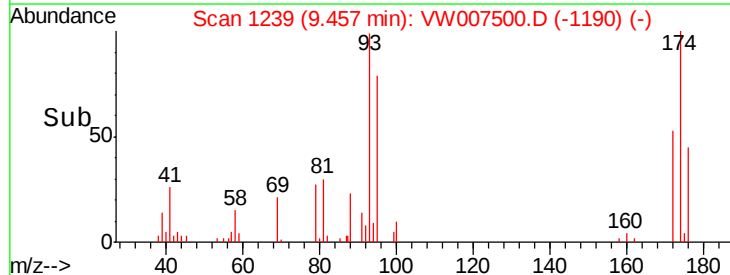
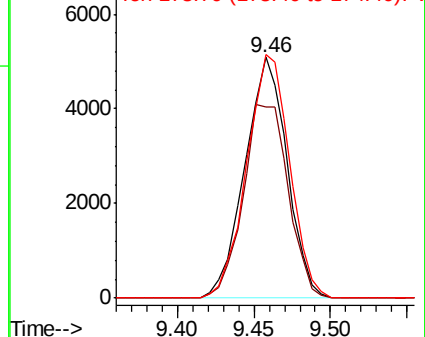
174 103.2 83.2 124.8

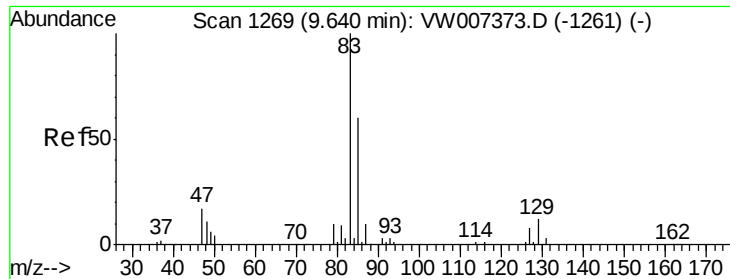


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

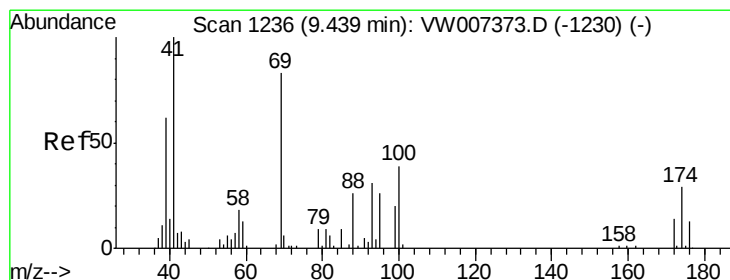
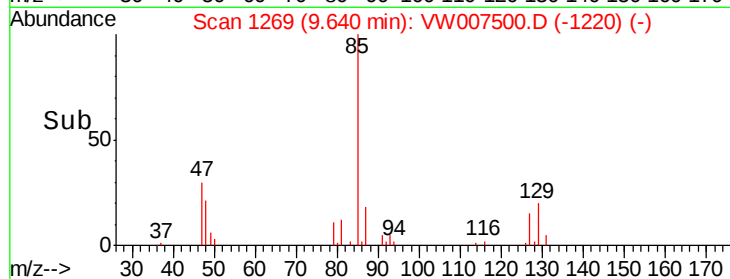
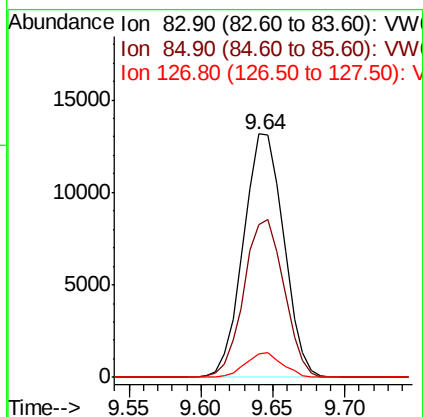
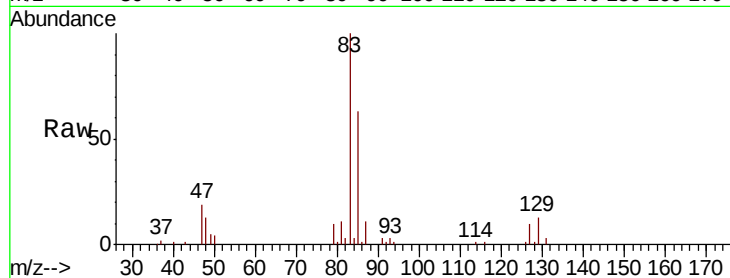




#47  
 Bromodichloromethane  
 Concen: 20.251 ug/l  
 RT: 9.64 min Scan# 1269  
 Delta R.T. 0.00 min  
 Lab File: VW007500.D  
 Acq: 13 Dec 2018 22:31

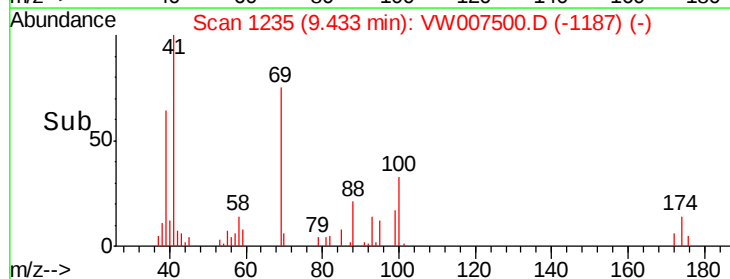
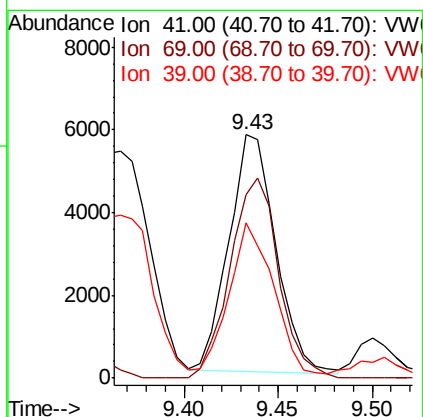
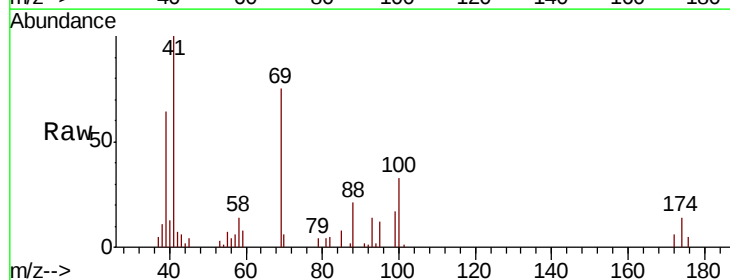
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW1216SBSD02

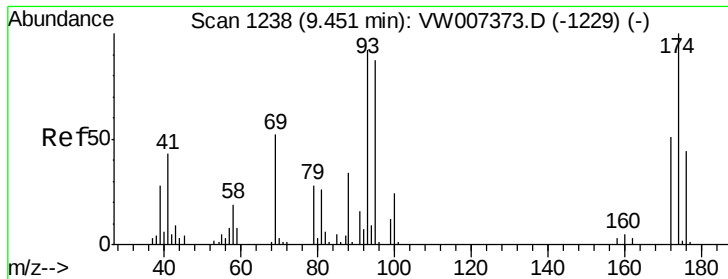
| Tot Ion   | 83    | Resp  | 25533 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 63.0  | 47.6  | 71.4  |
| 127       | 9.6   | 6.7   | 10.1  |



#48  
 Methyl methacrylate  
 Concen: 19.967 ug/l  
 RT: 9.43 min Scan# 1235  
 Delta R.T. -0.01 min  
 Lab File: VW007500.D  
 Acq: 13 Dec 2018 22:31

| Tgt Ion   | 41    | Resp  | 9930  |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 87.4  | 69.8  | 104.8 |
| 39        | 64.0  | 50.9  | 76.3  |

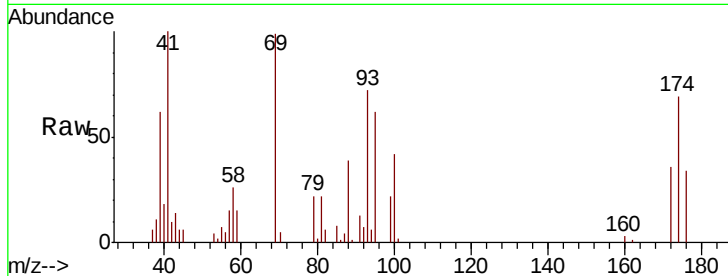




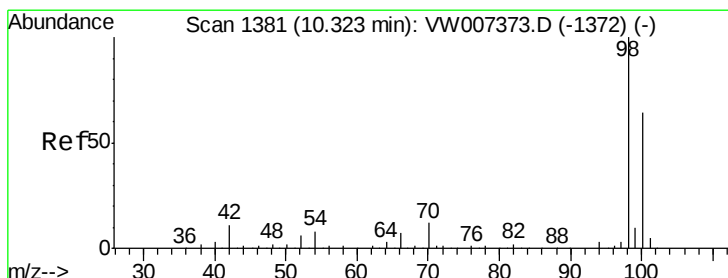
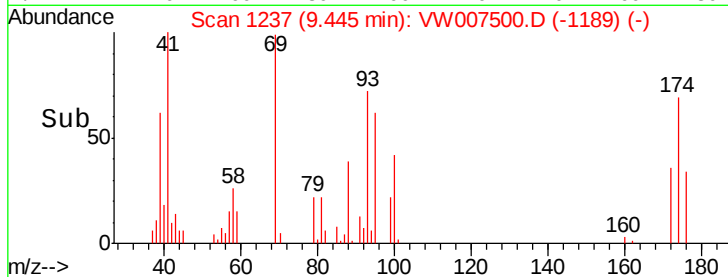
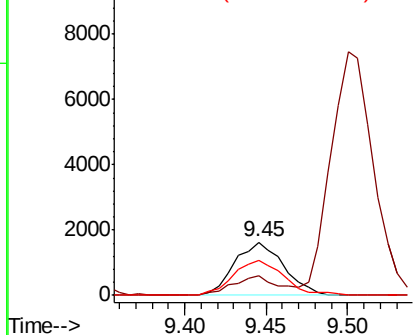
#49  
 1,4-Dioxane  
 Concen: 432.086 ug/l  
 RT: 9.45 min Scan# 1237  
 Delta R.T. -0.01 min  
 Lab File: VW007500.D  
 Acq: 13 Dec 2018 22:31

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW1216SBSD02

Tot Ion: 88 Resp: 3370  
 Ion Ratio Lower Upper  
 88 100  
 43 35.5 25.0 37.4  
 58 68.9 51.4 77.2

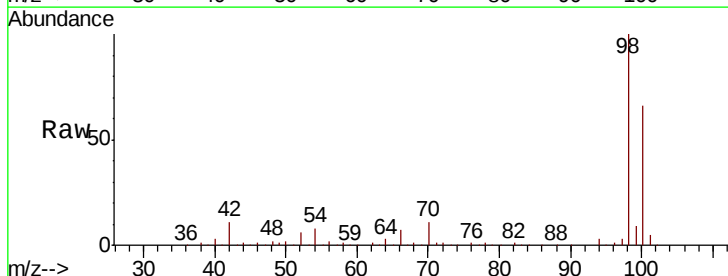


Abundance Ion 88.00 (87.70 to 88.70): VW  
 Ion 43.00 (42.70 to 43.70): VW  
 Ion 58.00 (57.70 to 58.70): VW

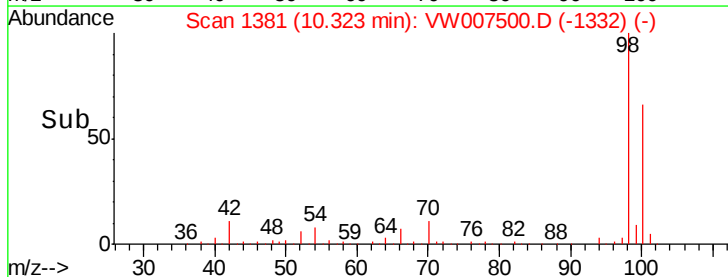
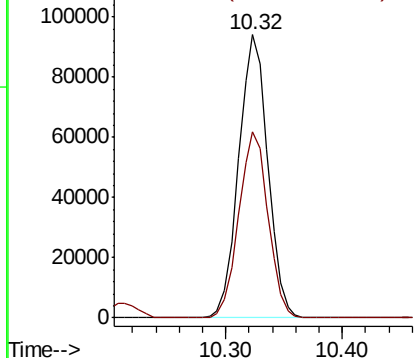


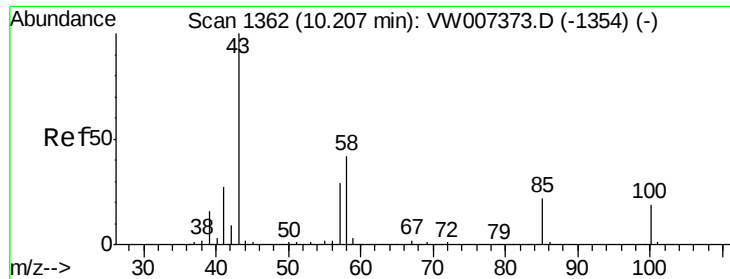
#50  
 Toluene-d8  
 Concen: 50.061 ug/l  
 RT: 10.32 min Scan# 1381  
 Delta R.T. 0.00 min  
 Lab File: VW007500.D  
 Acq: 13 Dec 2018 22:31

Tgt Ion: 98 Resp: 164165  
 Ion Ratio Lower Upper  
 98 100  
 100 66.1 51.8 77.8



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





#51

4-Methyl-2-Pentanone

Concen: 106.162 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Instrument :

MSVOA\_W

ClientSampleId :

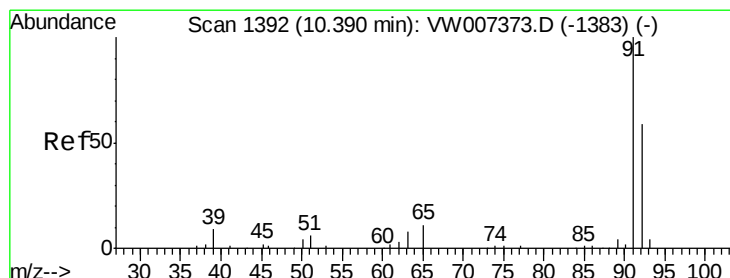
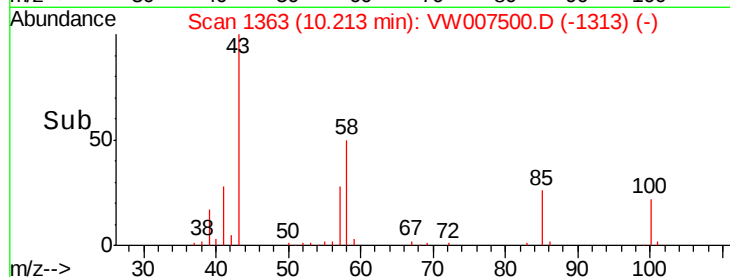
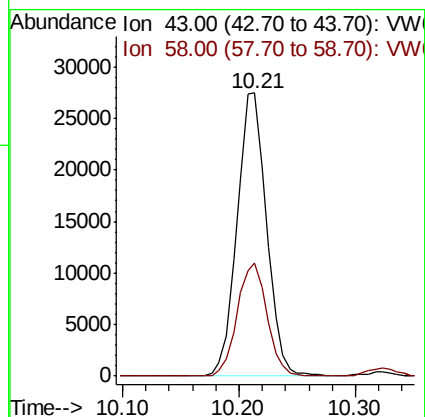
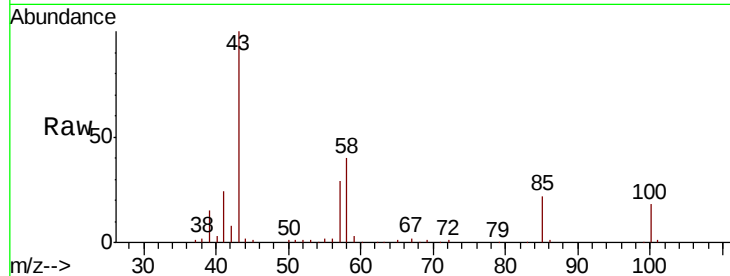
VW1216SBS02

Tot Ion: 43 Resp: 48573

Ion Ratio Lower Upper

43 100

58 40.1 33.1 49.7



#52

Toluene

Concen: 20.964 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007500.D

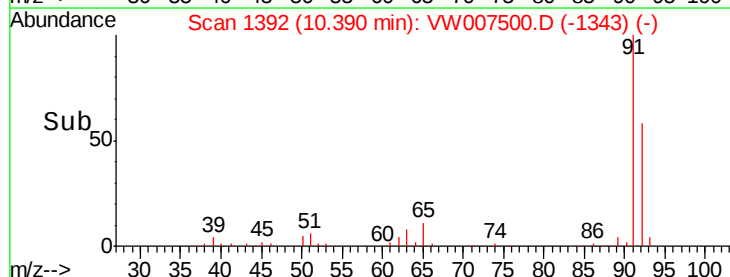
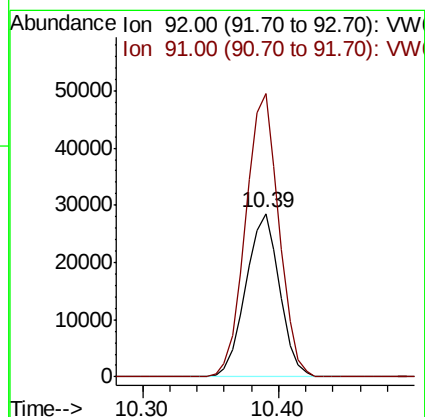
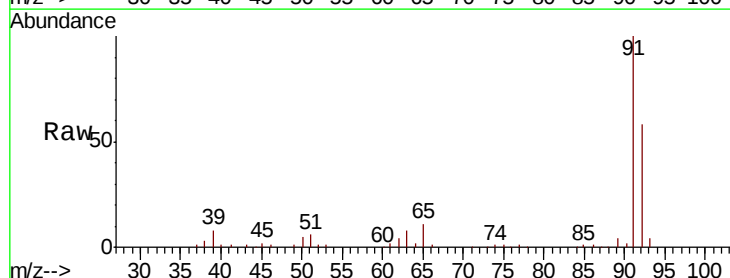
Acq: 13 Dec 2018 22:31

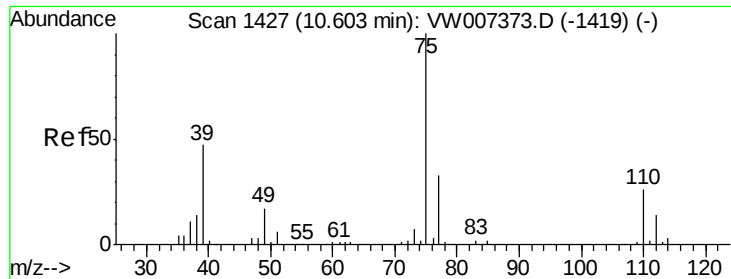
Tgt Ion: 92 Resp: 49624

Ion Ratio Lower Upper

92 100

91 170.7 136.2 204.2





#53

t-1,3-Dichloropropene

Concen: 21.135 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Instrument :

MSVOA\_W

ClientSampleId :

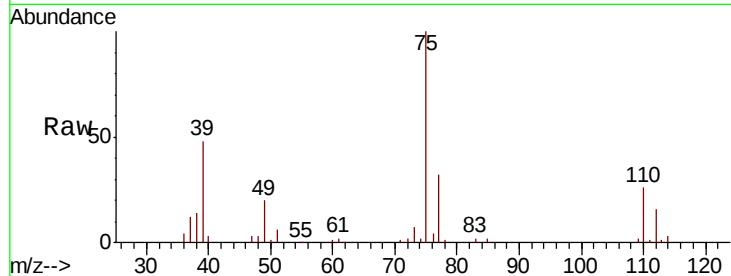
VW1216SBSD02

Tot Ion: 75 Resp: 25870

Ion Ratio Lower Upper

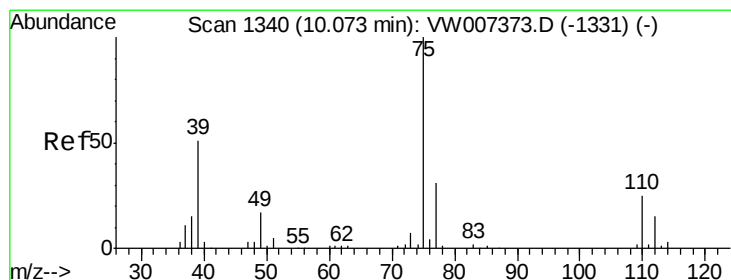
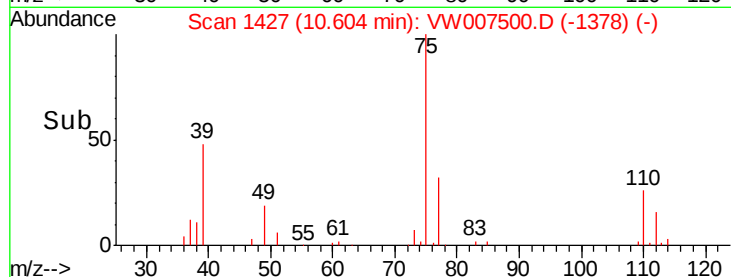
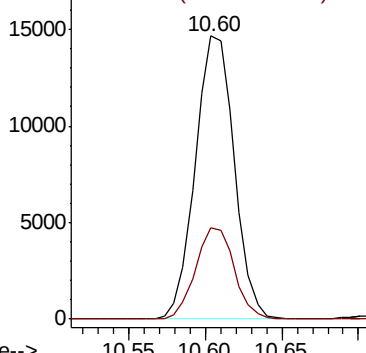
75 100

77 32.4 26.2 39.4



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 20.523 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

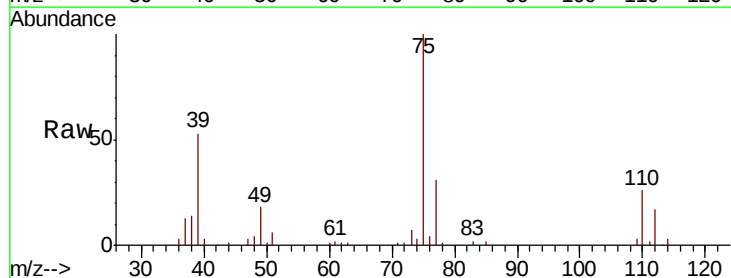
Tgt Ion: 75 Resp: 29040

Ion Ratio Lower Upper

75 100

77 31.4 24.8 37.2

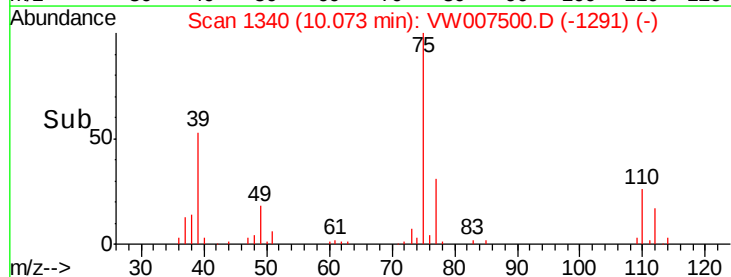
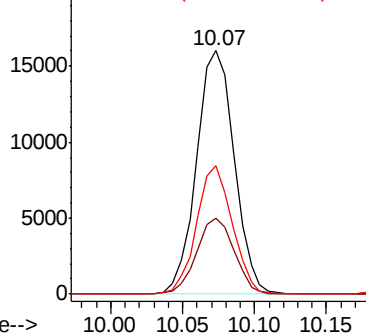
39 52.9 40.9 61.3

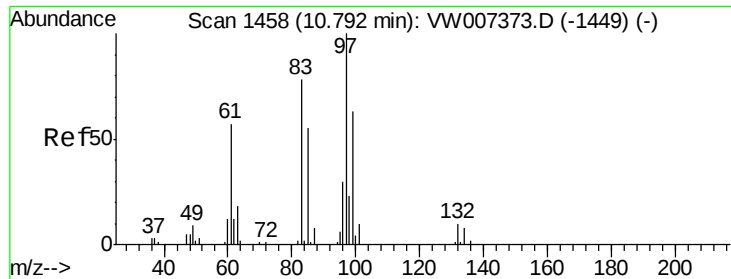


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

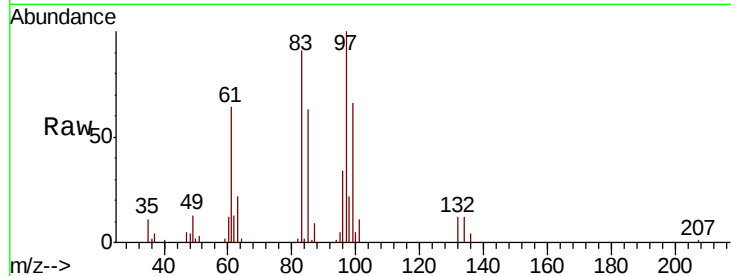




#55  
 1,1,2-Trichloroethane  
 Concen: 21.379 ug/l  
 RT: 10.79 min Scan# 1457  
 Delta R.T. -0.01 min  
 Lab File: VW007500.D  
 Acq: 13 Dec 2018 22:31

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW1216SBSD02

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 13986 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 91.5  | 62.1  | 93.1  |
| 85       | 62.7  | 44.2  | 66.4  |
| 99       | 65.7  | 50.2  | 75.4  |



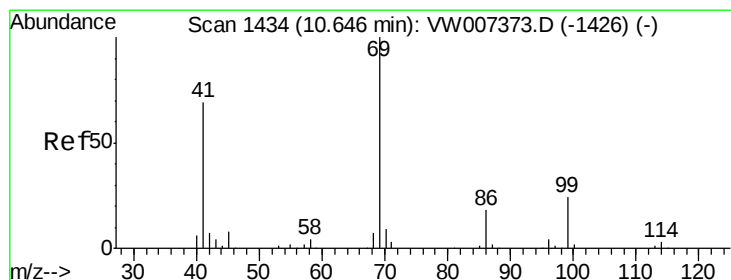
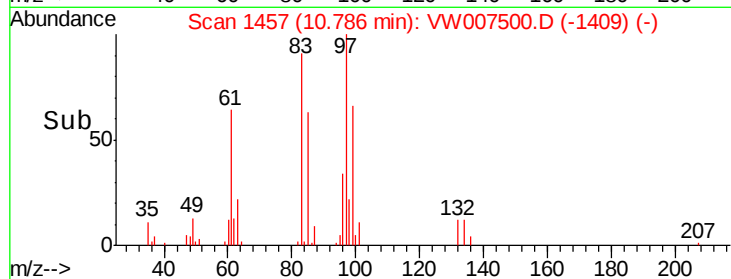
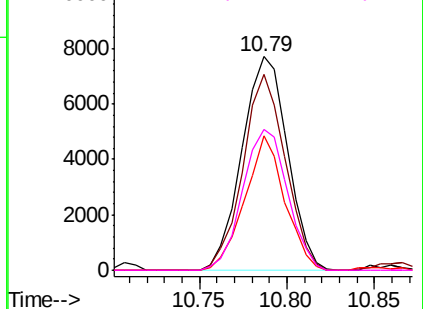
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

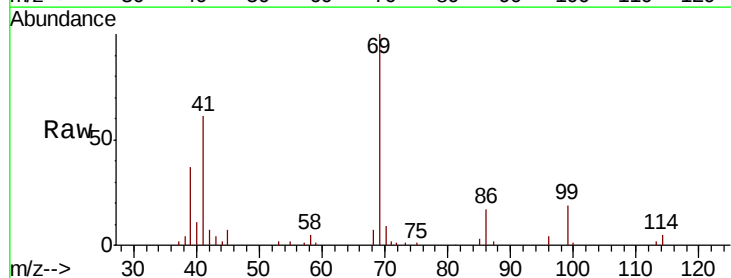
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56  
 Ethyl methacrylate  
 Concen: 22.512 ug/l  
 RT: 10.65 min Scan# 1434  
 Delta R.T. 0.00 min  
 Lab File: VW007500.D  
 Acq: 13 Dec 2018 22:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 17702 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 62.9  | 51.0  | 76.6  |
| 39       | 35.1  | 30.8  | 46.2  |

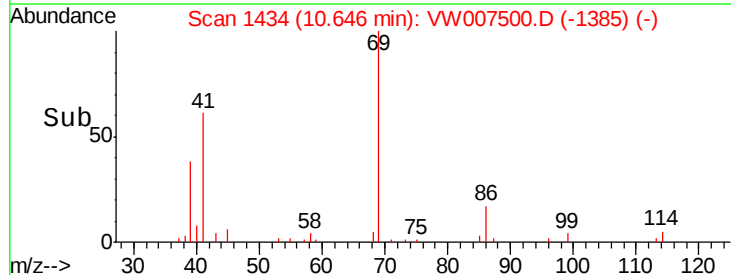
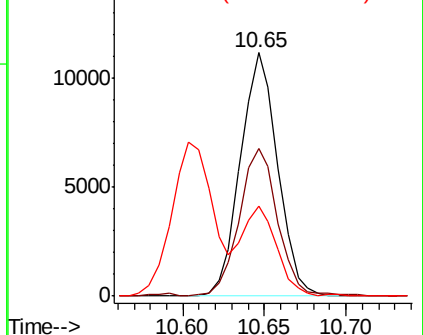


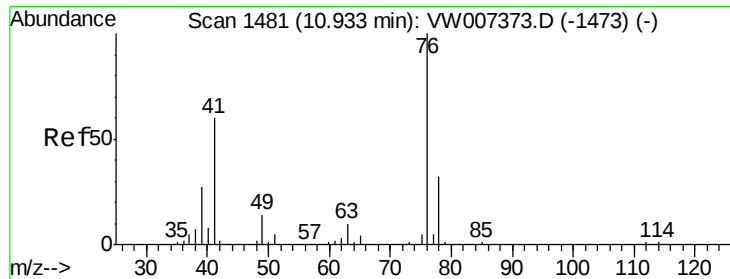
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

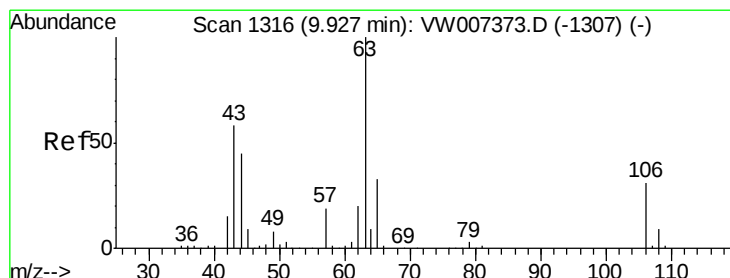
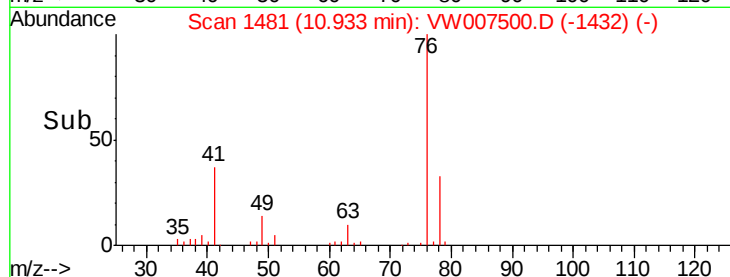
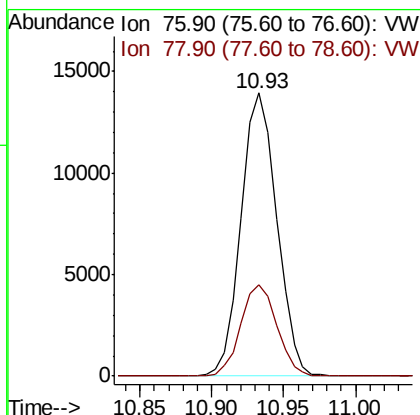
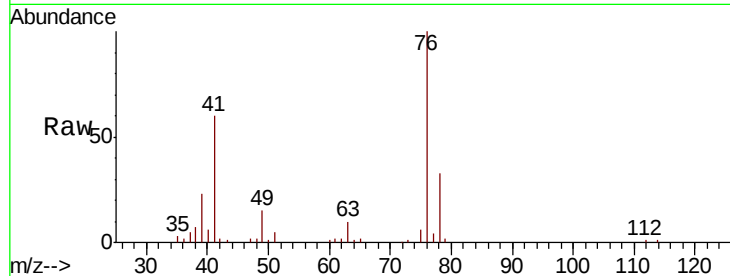




#57  
 1,3-Dichloropropane  
 Concen: 22.374 ug/l  
 RT: 10.93 min Scan# 1481  
 Delta R.T. 0.00 min  
 Lab File: VW007500.D  
 Acq: 13 Dec 2018 22:31

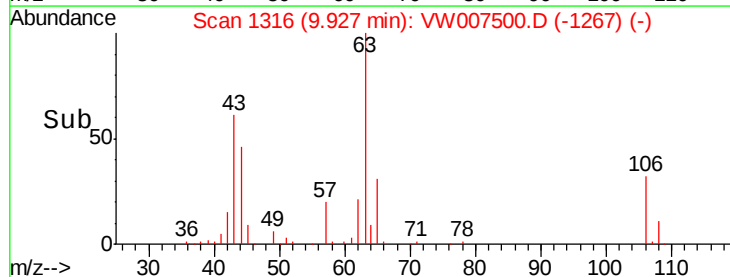
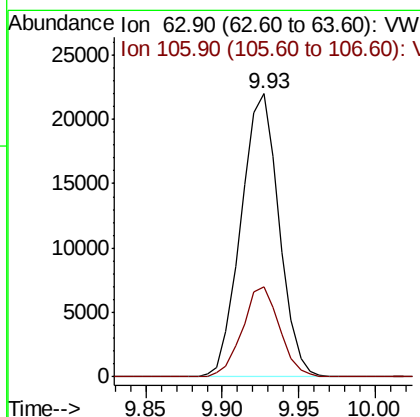
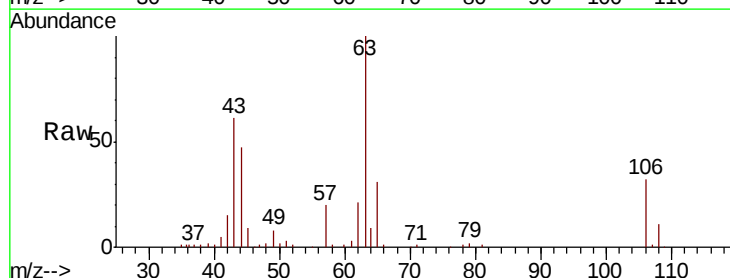
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW1216SBSD02

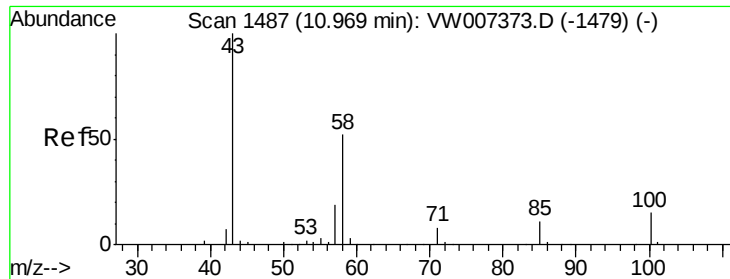
Tot Ion: 76 Resp: 24025  
 Ion Ratio Lower Upper  
 76 100  
 78 32.6 26.2 39.4



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 104.659 ug/l  
 RT: 9.93 min Scan# 1316  
 Delta R.T. 0.00 min  
 Lab File: VW007500.D  
 Acq: 13 Dec 2018 22:31

Tgt Ion: 63 Resp: 37951  
 Ion Ratio Lower Upper  
 63 100  
 106 31.2 25.0 37.6

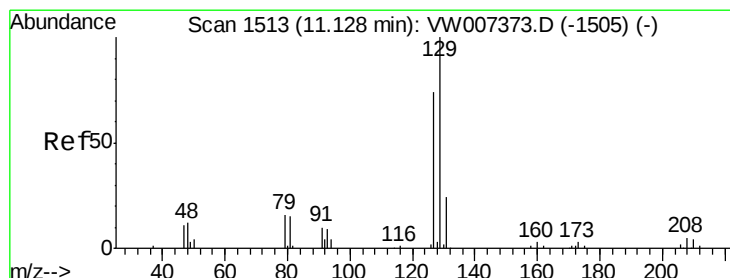
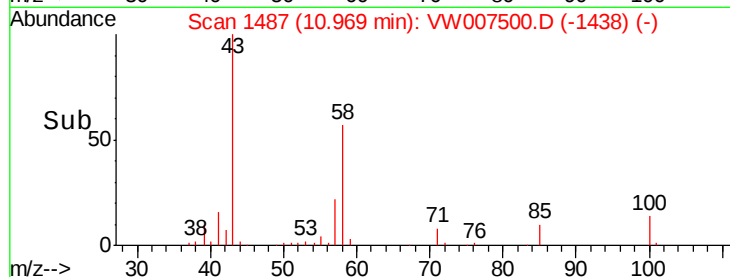
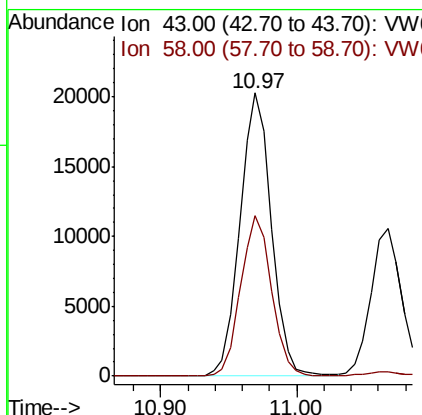
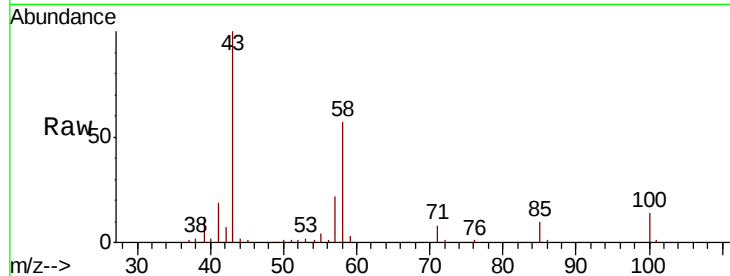




#59  
2-Hexanone  
Concen: 107.167 ug/l  
RT: 10.97 min Scan# 1487  
Delta R.T. 0.00 min  
Lab File: VW007500.D  
Acq: 13 Dec 2018 22:31

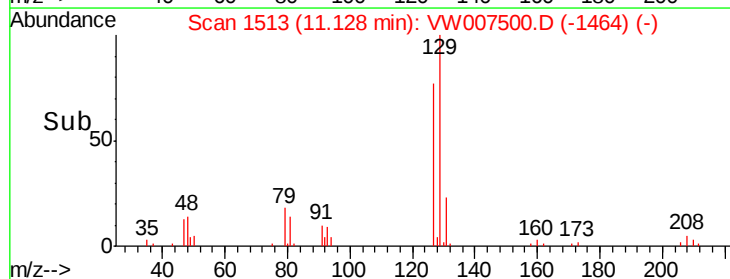
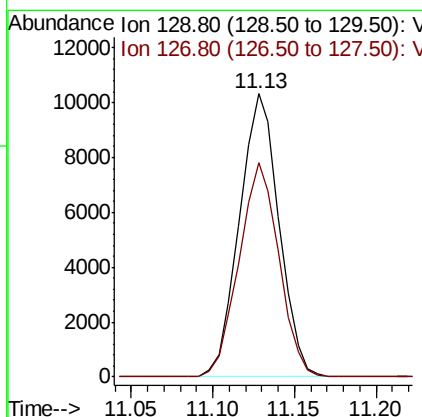
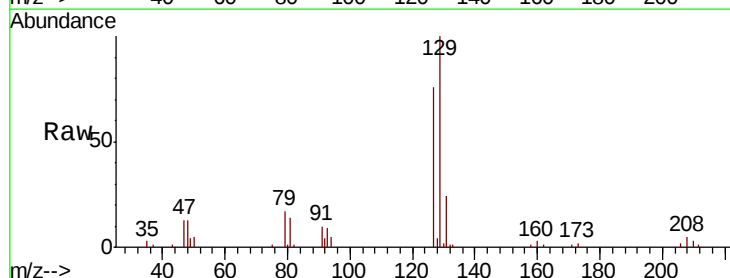
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1216SBSD02

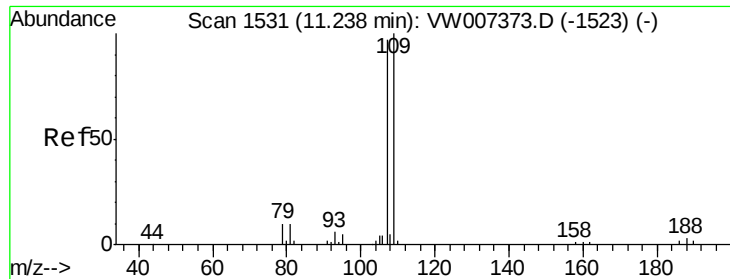
Tot Ion: 43 Resp: 32695  
Ion Ratio Lower Upper  
43 100  
58 55.8 27.1 81.3



#60  
Dibromochloromethane  
Concen: 21.198 ug/l  
RT: 11.13 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VW007500.D  
Acq: 13 Dec 2018 22:31

Tgt Ion: 129 Resp: 17501  
Ion Ratio Lower Upper  
129 100  
127 75.8 38.1 114.3

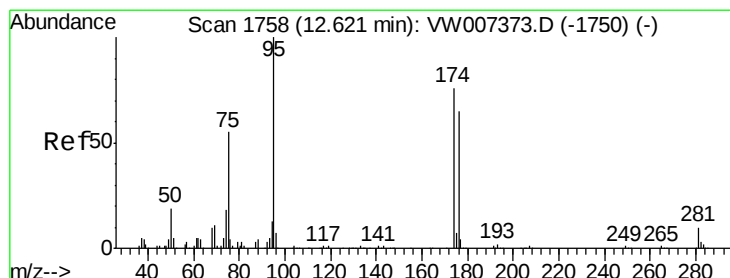
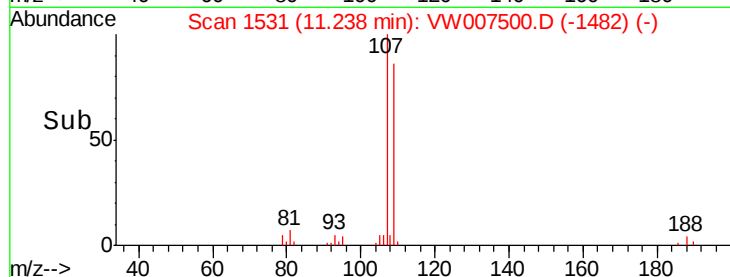
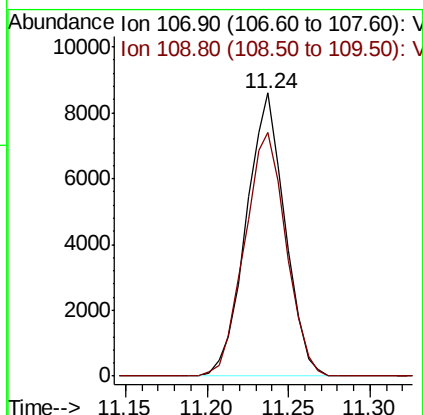
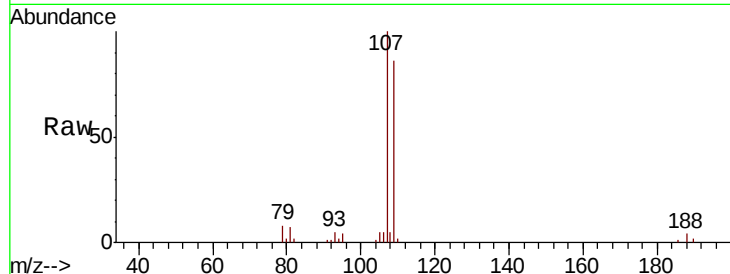




#61  
 1,2-Dibromoethane  
 Concen: 21.927 ug/l  
 RT: 11.24 min Scan# 1531  
 Delta R.T. 0.00 min  
 Lab File: VW007500.D  
 Acq: 13 Dec 2018 22:31

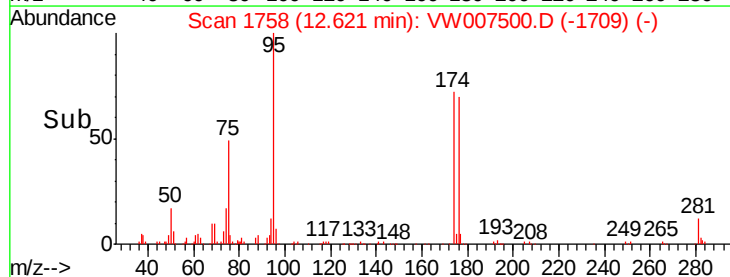
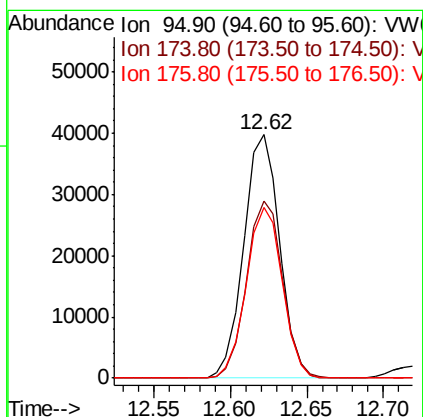
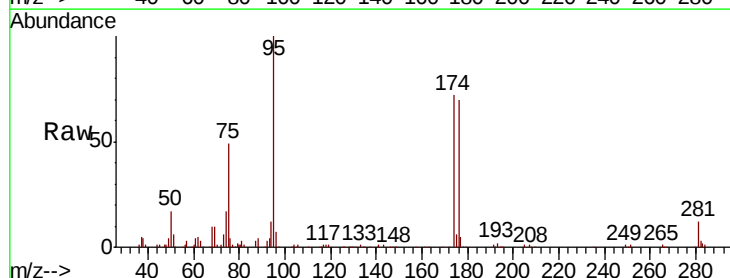
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW1216SBSD02

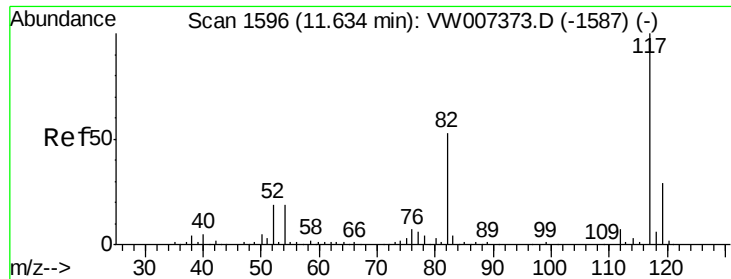
Tot Ion:107 Resp: 14176  
 Ion Ratio Lower Upper  
 107 100  
 109 91.9 79.1 118.7



#62  
 4-Bromofluorobenzene  
 Concen: 53.698 ug/l  
 RT: 12.62 min Scan# 1758  
 Delta R.T. 0.00 min  
 Lab File: VW007500.D  
 Acq: 13 Dec 2018 22:31

Tgt Ion: 95 Resp: 64744  
 Ion Ratio Lower Upper  
 95 100  
 174 73.3 0.0 147.2  
 176 70.4 0.0 138.8

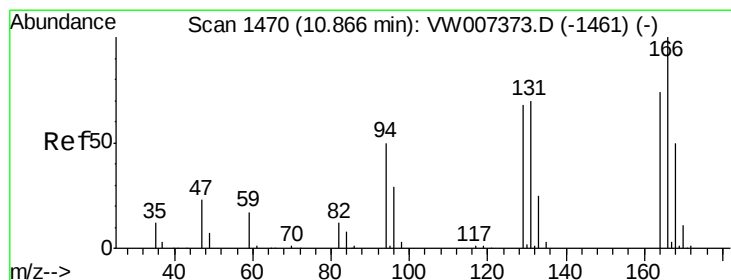
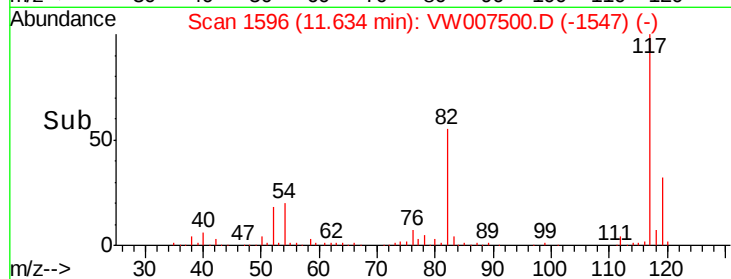
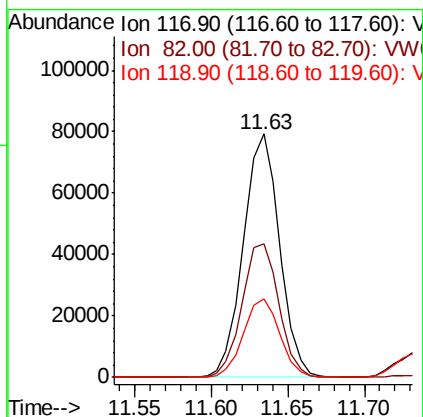
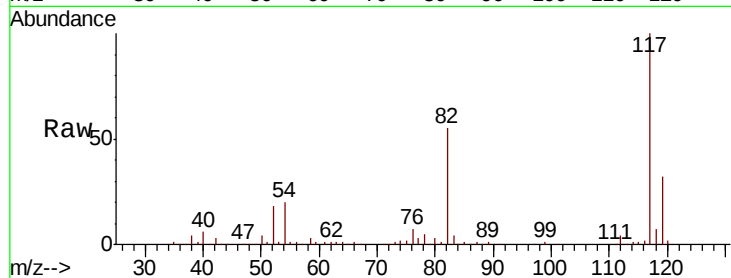




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW007500.D  
Acq: 13 Dec 2018 22:31

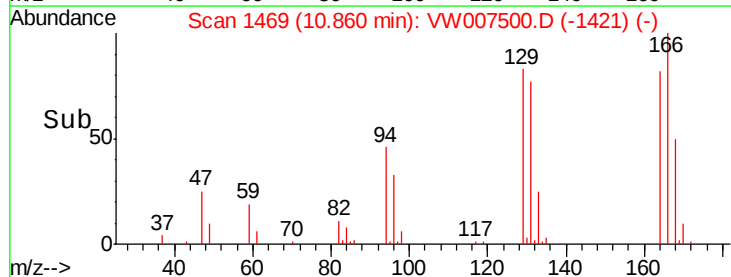
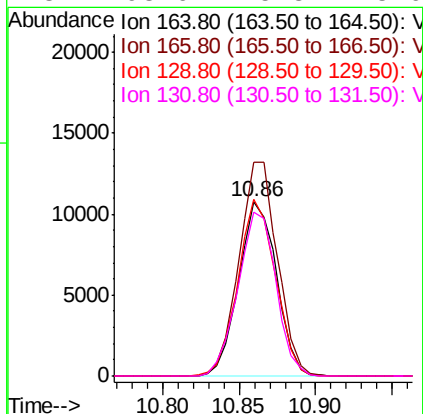
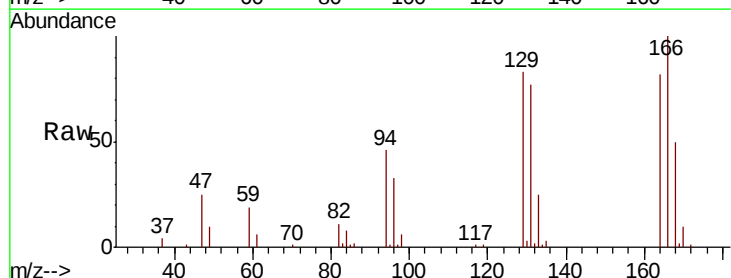
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1216SBSD02

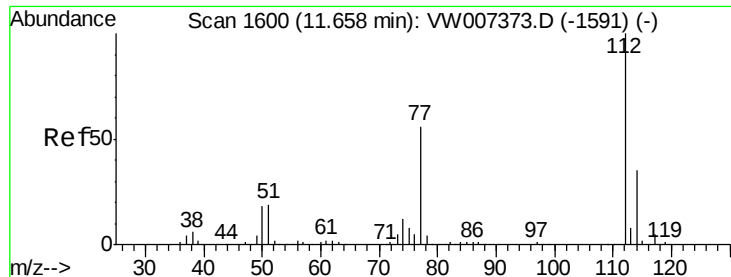
Tot Ion:117 Resp: 130470  
Ion Ratio Lower Upper  
117 100  
82 55.0 42.3 63.5  
119 32.1 23.0 34.6



#64  
Tetrachloroethene  
Concen: 19.633 ug/l  
RT: 10.86 min Scan# 1469  
Delta R.T. -0.01 min  
Lab File: VW007500.D  
Acq: 13 Dec 2018 22:31

Tgt Ion:164 Resp: 18421  
Ion Ratio Lower Upper  
164 100  
166 122.2 107.9 161.9  
129 101.1 73.4 110.2  
131 93.6 75.8 113.6

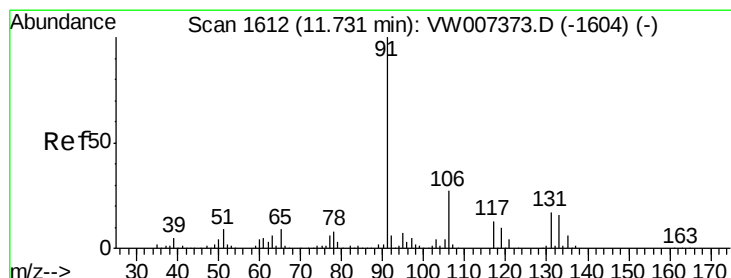
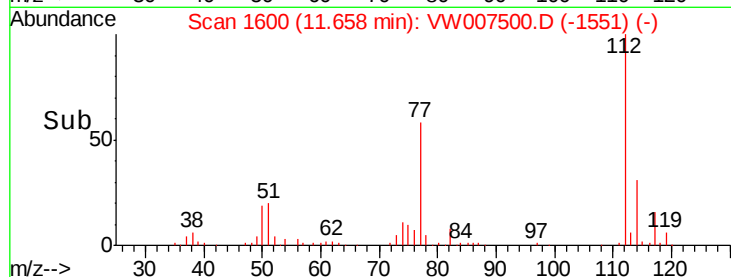
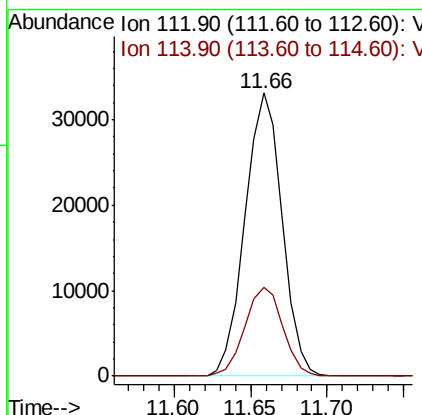
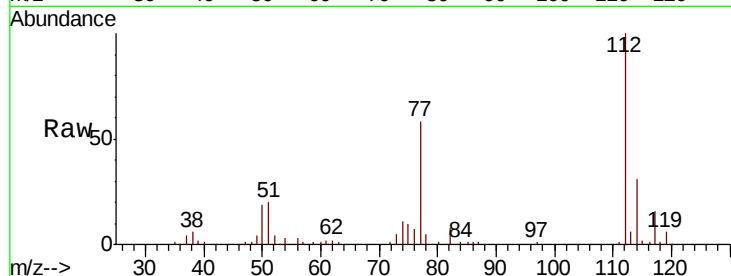




#65  
Chlorobenzene  
Concen: 20.521 ug/l  
RT: 11.66 min Scan# 1600  
Delta R.T. 0.00 min  
Lab File: VW007500.D  
Acq: 13 Dec 2018 22:31

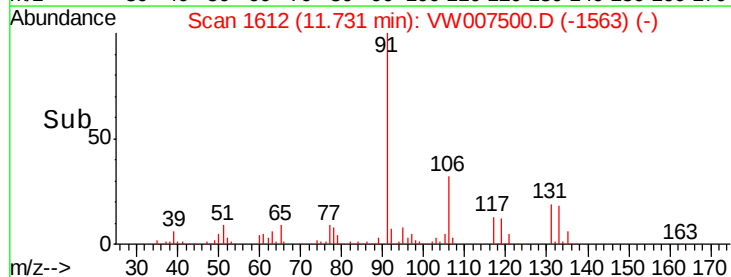
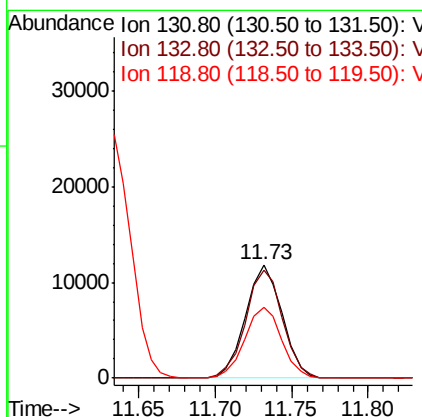
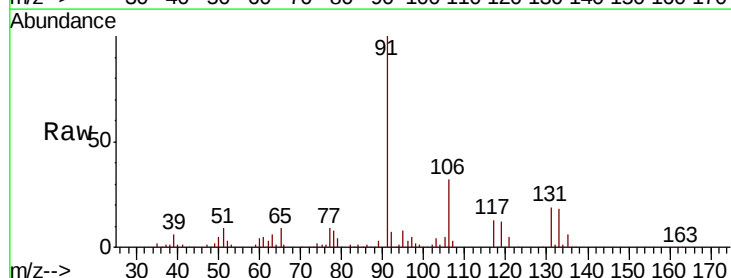
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1216SBSD02

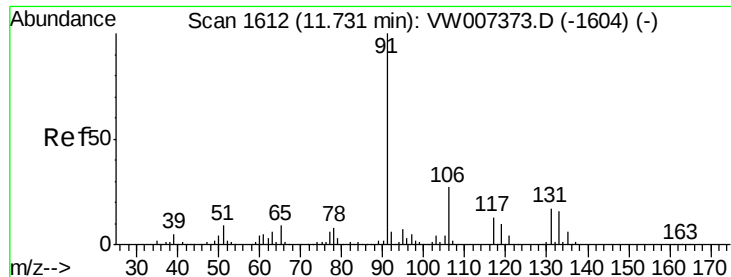
Tot Ion:112 Resp: 55804  
Ion Ratio Lower Upper  
112 100  
114 31.5 27.8 41.8



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.534 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW007500.D  
Acq: 13 Dec 2018 22:31

Tgt Ion:131 Resp: 19667  
Ion Ratio Lower Upper  
131 100  
133 96.6 47.1 141.4  
119 63.5 31.3 93.9

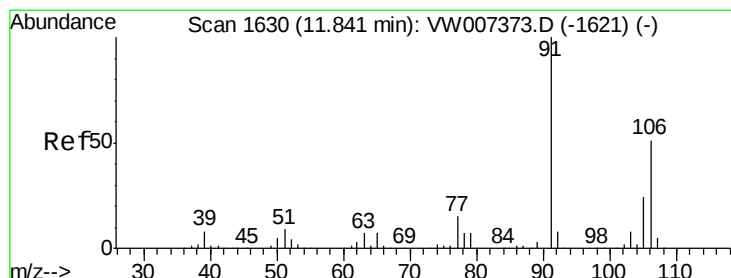
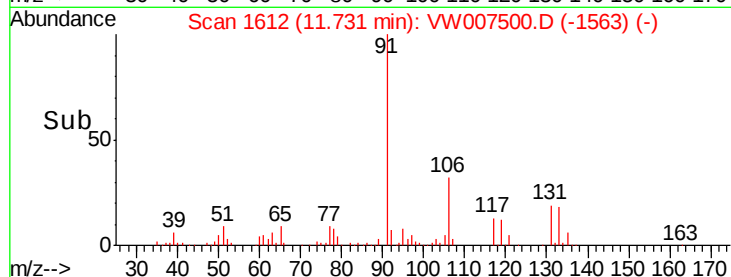
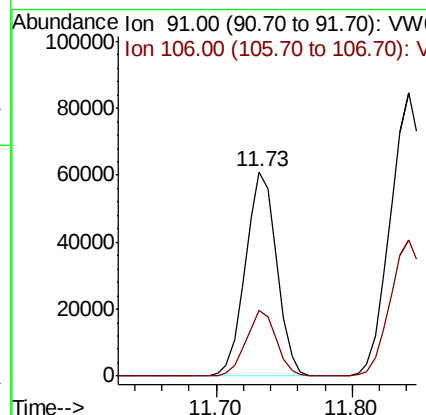
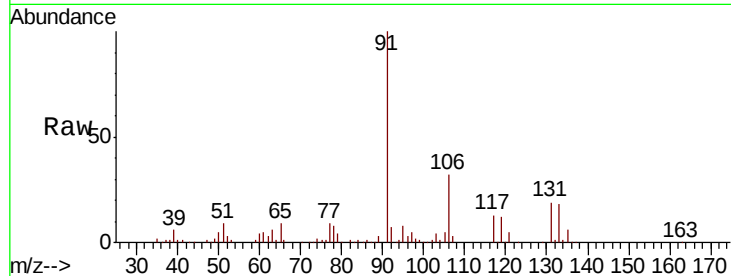




#67  
Ethyl Benzene  
Concen: 20.997 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW007500.D  
Acq: 13 Dec 2018 22:31

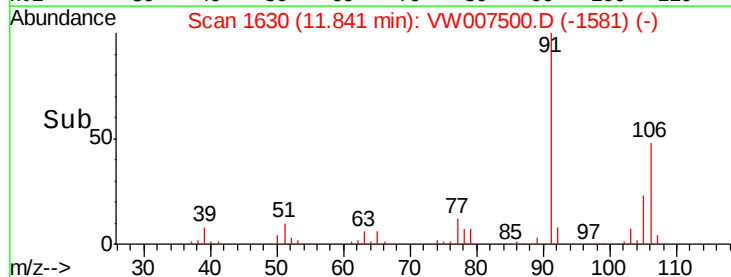
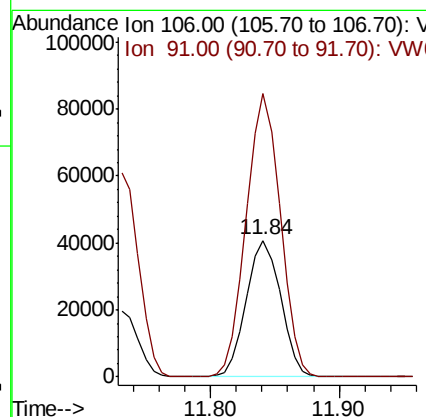
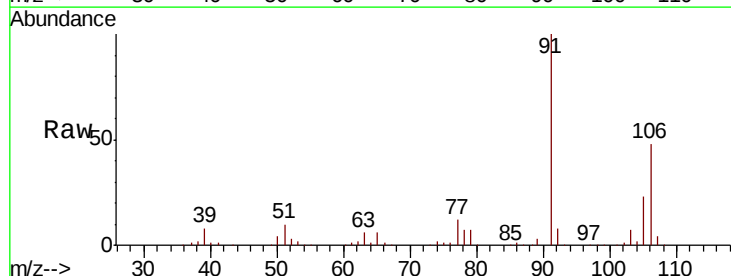
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1216SBSD02

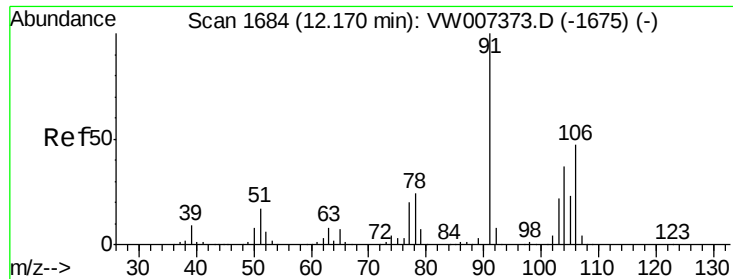
Tot Ion: 91 Resp: 98171  
Ion Ratio Lower Upper  
91 100  
106 32.3 21.8 32.8



#68  
m/p-Xylenes  
Concen: 41.581 ug/l  
RT: 11.84 min Scan# 1630  
Delta R.T. 0.00 min  
Lab File: VW007500.D  
Acq: 13 Dec 2018 22:31

Tgt Ion: 106 Resp: 75577  
Ion Ratio Lower Upper  
106 100  
91 205.4 165.3 247.9

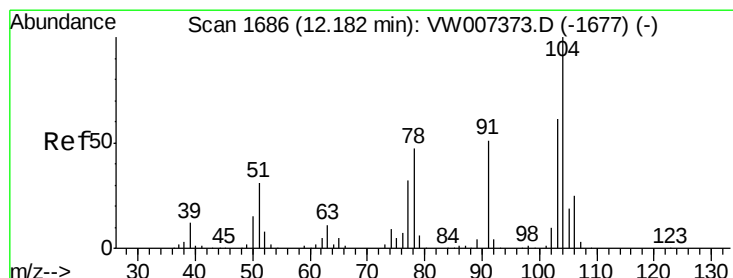
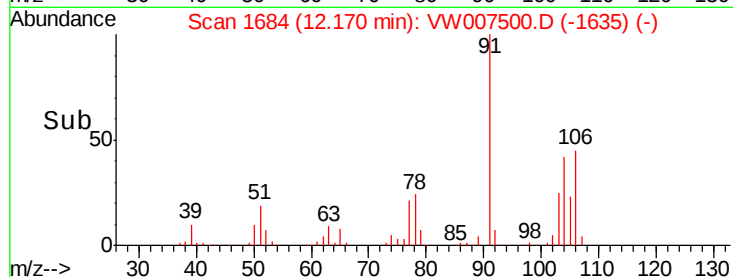
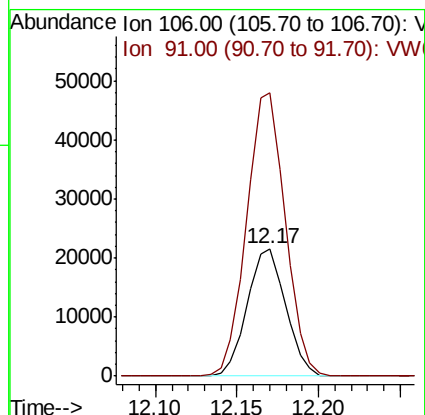
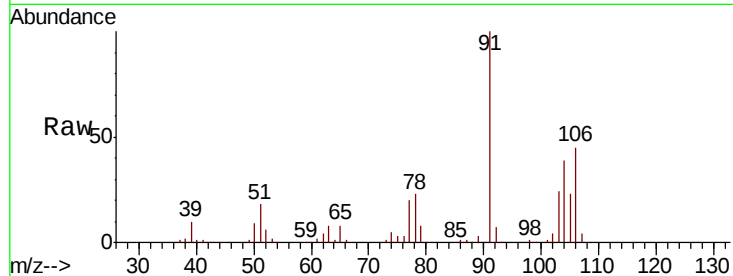




#69  
o-Xylene  
Concen: 20.921 ug/l  
RT: 12.17 min Scan# 1684  
Delta R.T. 0.00 min  
Lab File: VW007500.D  
Acq: 13 Dec 2018 22:31

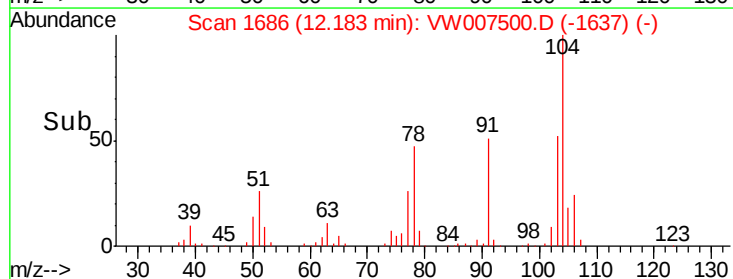
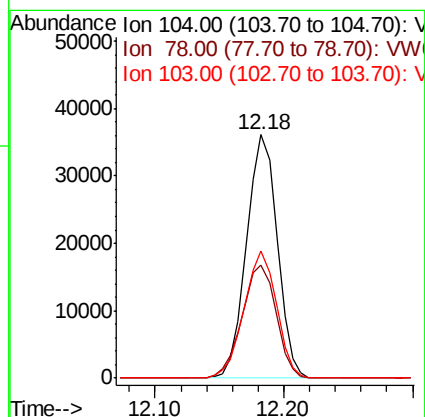
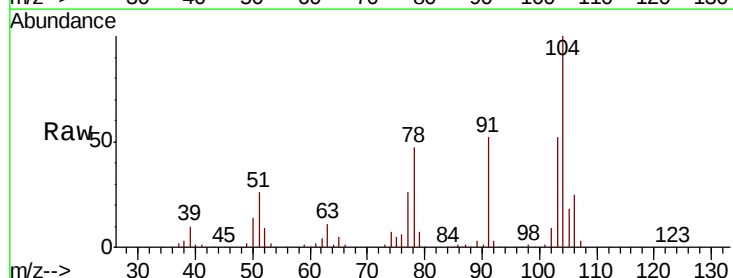
Instrument :  
MSVOA\_W  
ClientSampleID :  
VW1216SBSD02

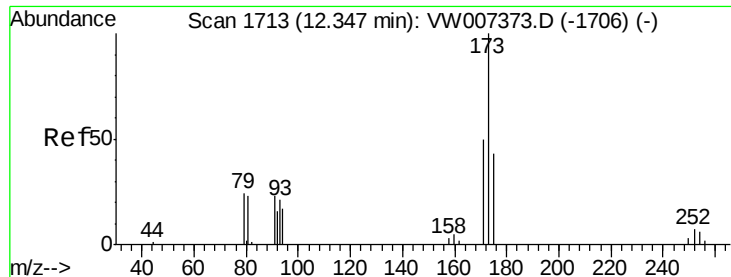
Tot Ion:106 Resp: 35514  
Ion Ratio Lower Upper  
106 100  
91 222.4 106.6 319.8



#70  
Styrene  
Concen: 21.674 ug/l  
RT: 12.18 min Scan# 1686  
Delta R.T. 0.00 min  
Lab File: VW007500.D  
Acq: 13 Dec 2018 22:31

Tgt Ion:104 Resp: 59428  
Ion Ratio Lower Upper  
104 100  
78 51.7 41.8 62.8  
103 55.3 46.6 69.8

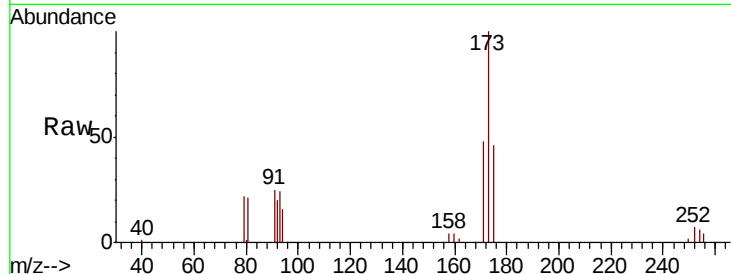




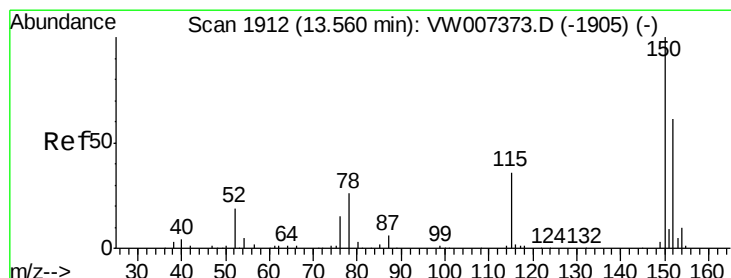
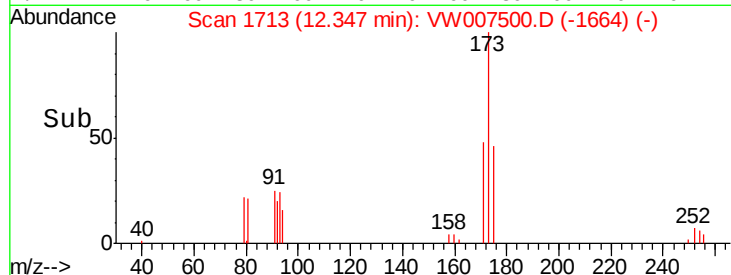
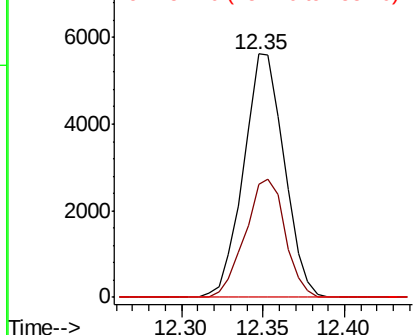
#71  
Bromoform  
Concen: 19.917 ug/l  
RT: 12.35 min Scan# 1713  
Delta R.T. 0.00 min  
Lab File: VW007500.D  
Acq: 13 Dec 2018 22:31

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1216SBSD02

Tot Ion:173 Resp: 9764  
Ion Ratio Lower Upper  
173 100  
175 47.5 23.6 70.8  
254 0.0 0.0 0.0

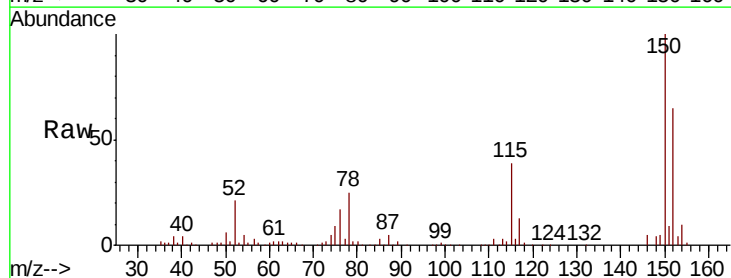


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

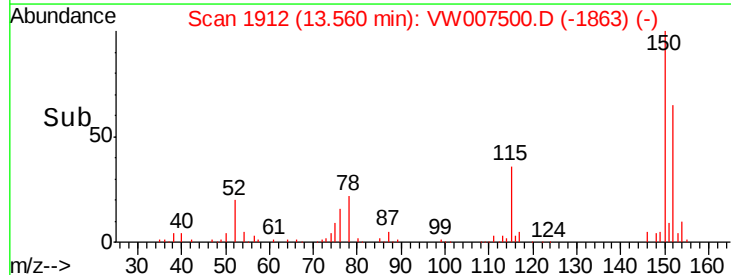
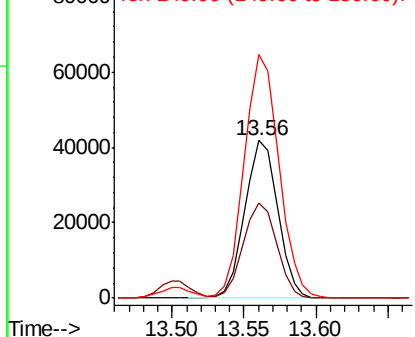


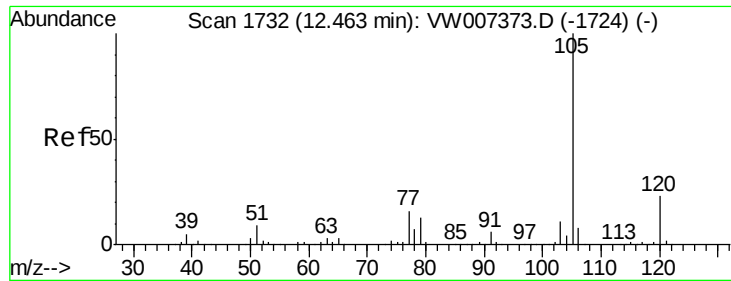
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. 0.00 min  
Lab File: VW007500.D  
Acq: 13 Dec 2018 22:31

Tgt Ion:152 Resp: 66254  
Ion Ratio Lower Upper  
152 100  
115 61.5 31.4 94.2  
150 163.2 0.0 358.4



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: 19.911 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Instrument :

MSVOA\_W

ClientSampleId :

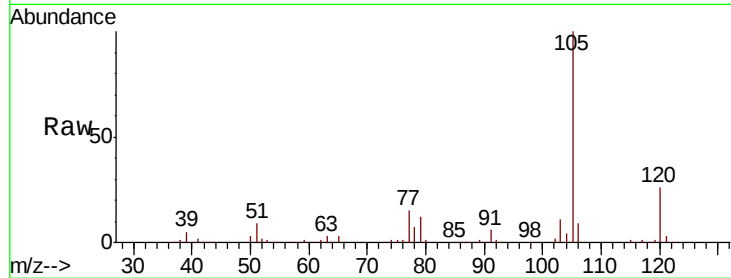
VW1216SBSD02

Tot Ion:105 Resp: 101083

Ion Ratio Lower Upper

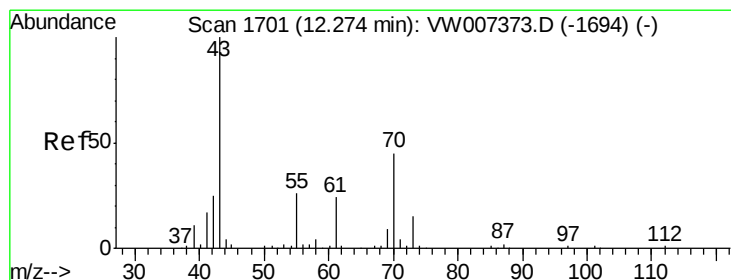
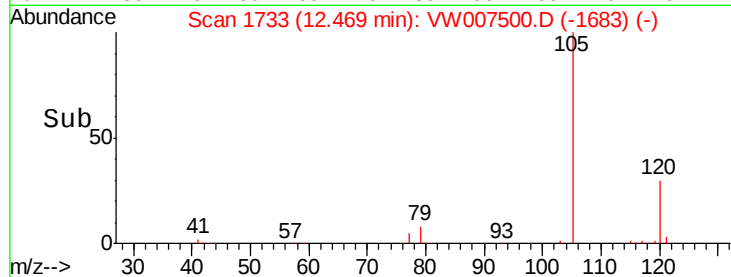
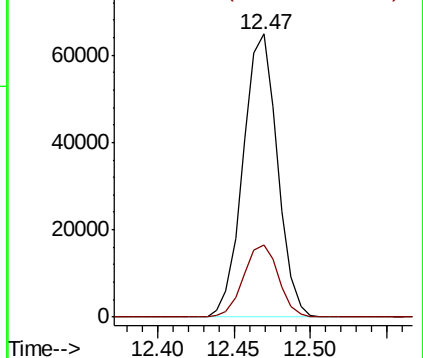
105 100

120 26.0 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.321 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Tgt Ion: 43 Resp: 18749

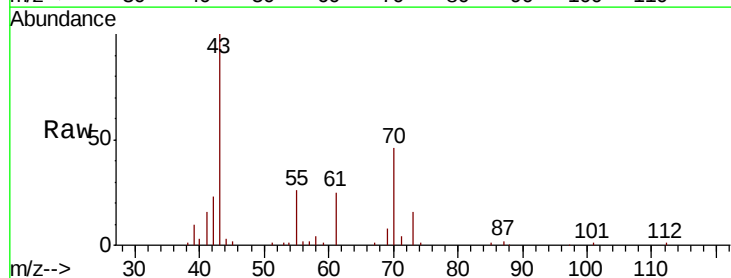
Ion Ratio Lower Upper

43 100

70 43.2 36.5 54.7

55 25.1 20.1 30.1

61 24.9 19.3 28.9

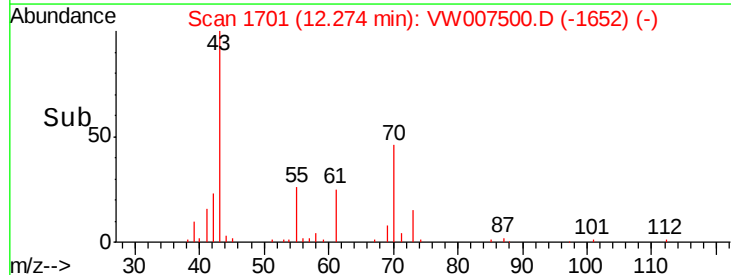
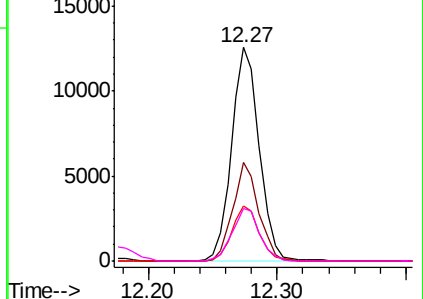


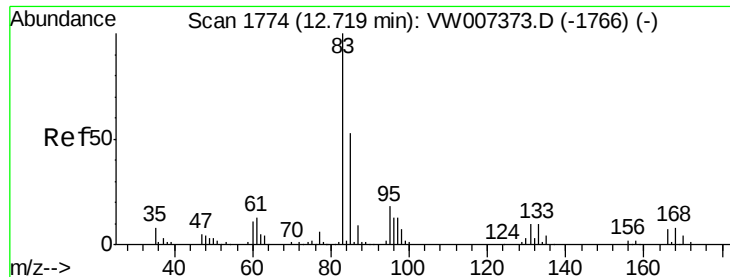
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 21.230 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Instrument :

MSVOA\_W

ClientSampleId :

VW1216SBSD02

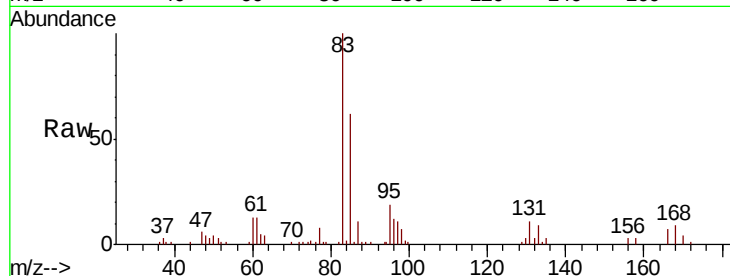
Tot Ion: 83 Resp: 15963

Ion Ratio Lower Upper

83 100

131 11.0 5.9 17.8

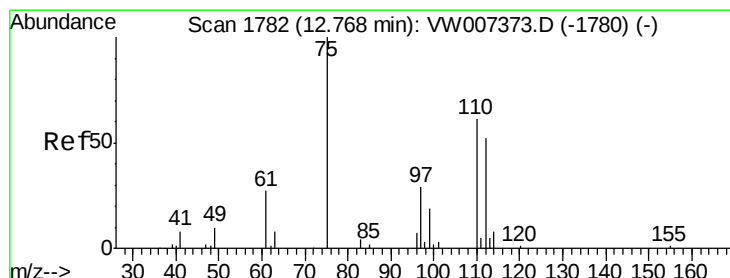
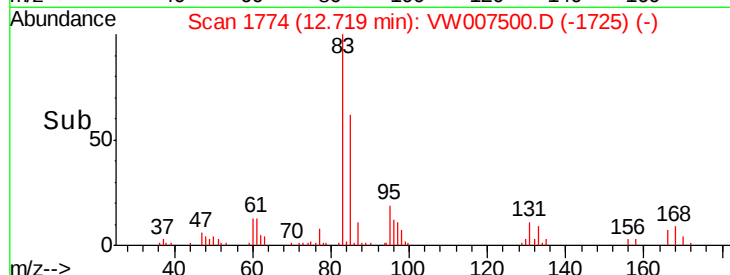
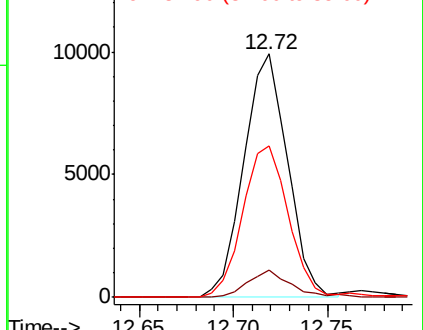
85 64.7 30.0 90.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 39.677 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW007500.D

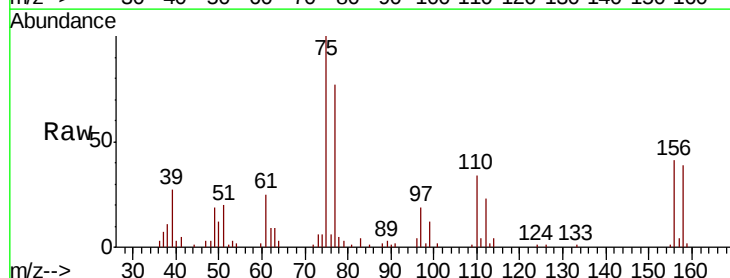
Acq: 13 Dec 2018 22:31

Tgt Ion: 75 Resp: 21675

Ion Ratio Lower Upper

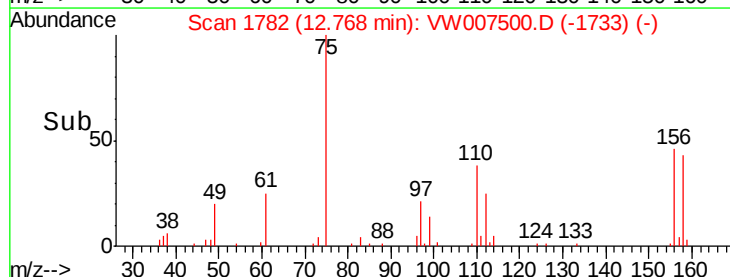
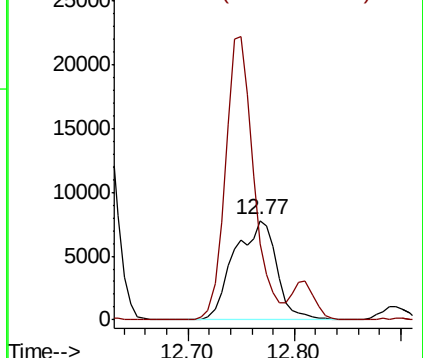
75 100

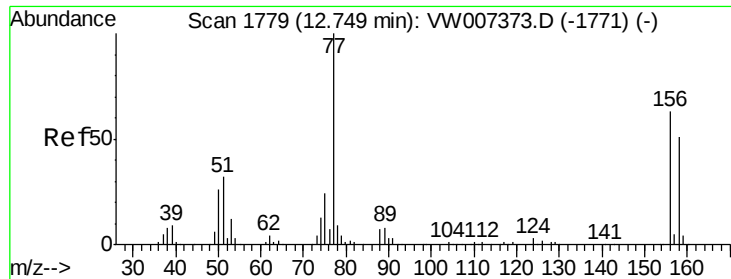
77 193.0 166.9 500.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.781 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Instrument :

MSVOA\_W

ClientSampleId :

VW1216SBSD02

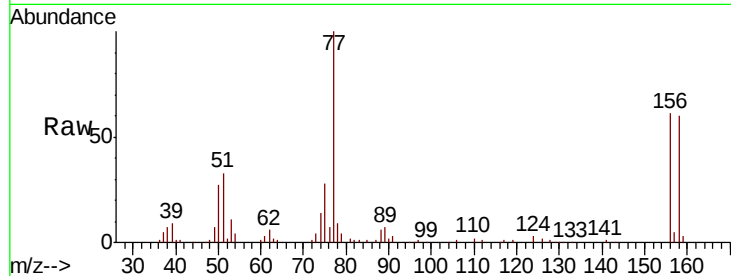
Tot Ion:156 Resp: 22259

Ion Ratio Lower Upper

156 100

77 187.9 88.1 264.4

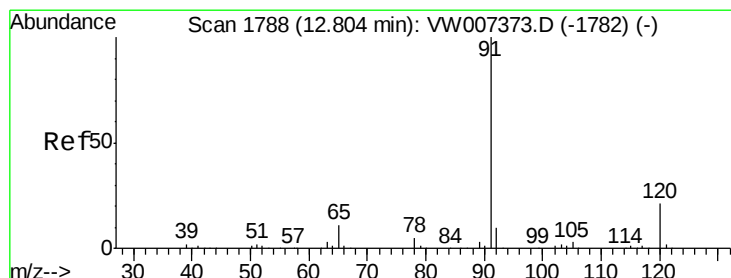
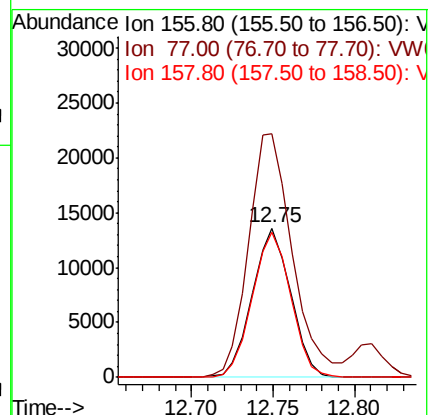
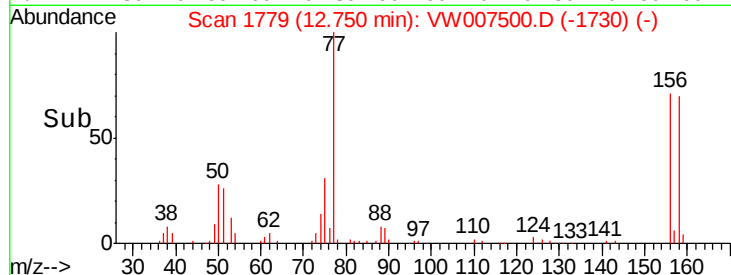
158 97.6 45.6 136.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.769 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW007500.D

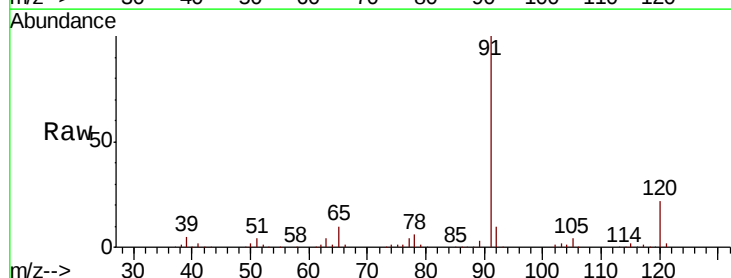
Acq: 13 Dec 2018 22:31

Tgt Ion: 91 Resp: 118662

Ion Ratio Lower Upper

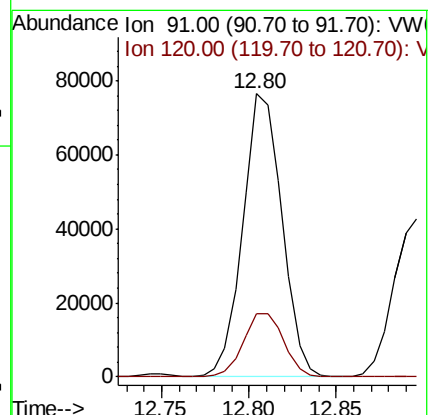
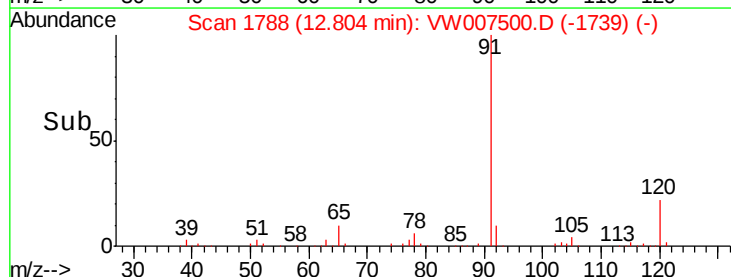
91 100

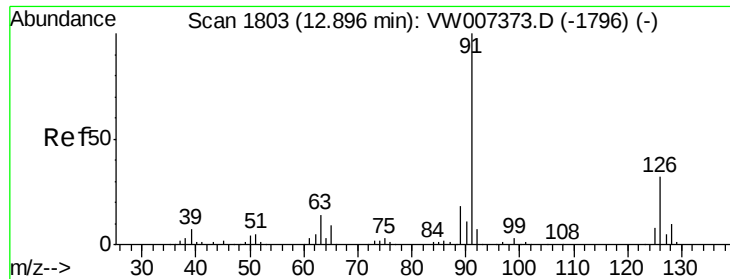
120 23.2 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

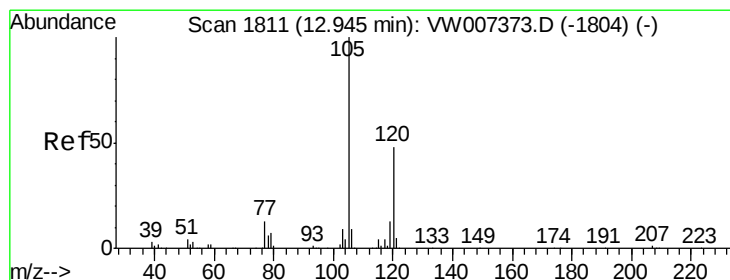
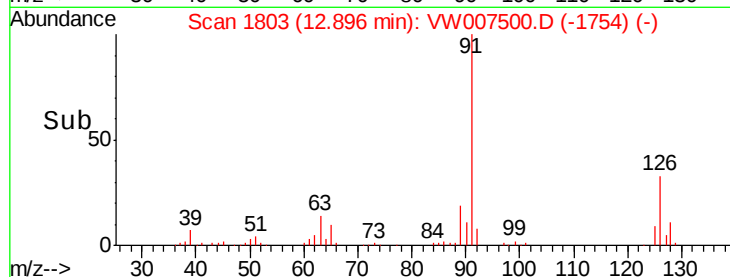
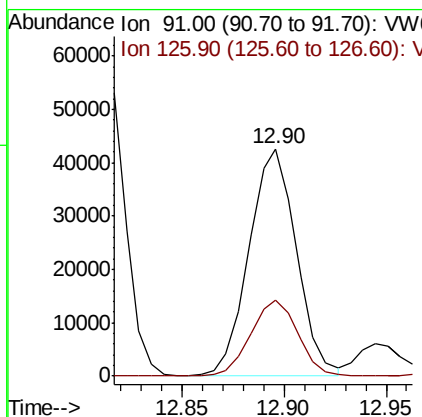
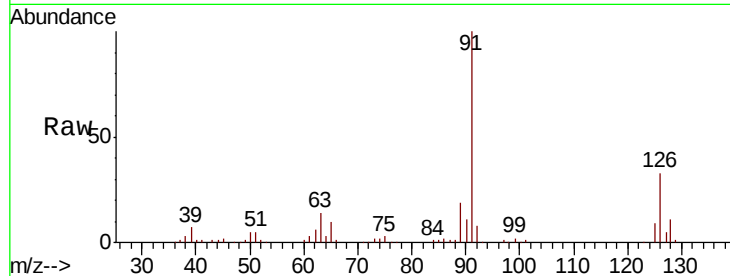




#79  
 2-Chlorotoluene  
 Concen: 19.931 ug/l  
 RT: 12.90 min Scan# 1803  
 Delta R.T. 0.00 min  
 Lab File: VW007500.D  
 Acq: 13 Dec 2018 22:31

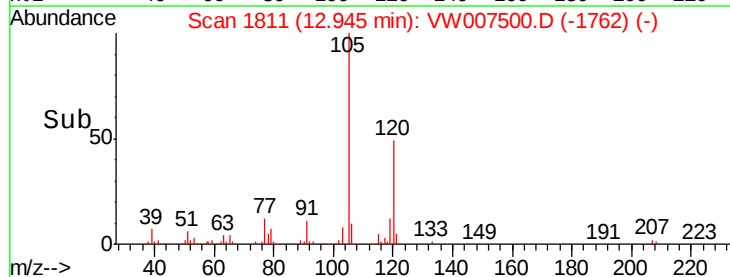
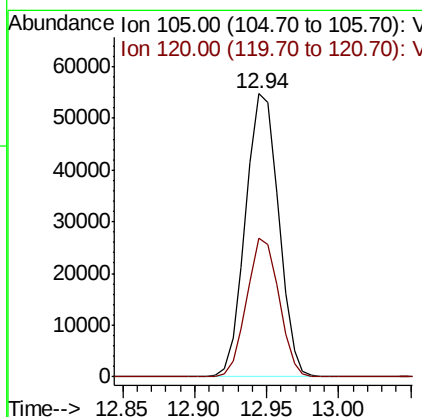
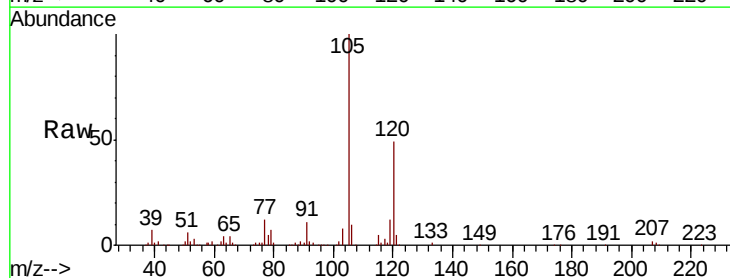
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW1216SBSD02

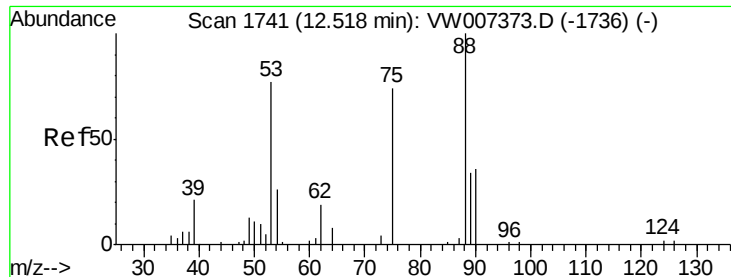
Tot Ion: 91 Resp: 68901  
 Ion Ratio Lower Upper  
 91 100  
 126 33.2 15.9 47.6



#80  
 1,3,5-Trimethylbenzene  
 Concen: 20.422 ug/l  
 RT: 12.94 min Scan# 1811  
 Delta R.T. 0.00 min  
 Lab File: VW007500.D  
 Acq: 13 Dec 2018 22:31

Tgt Ion:105 Resp: 87112  
 Ion Ratio Lower Upper  
 105 100  
 120 47.7 23.8 71.4

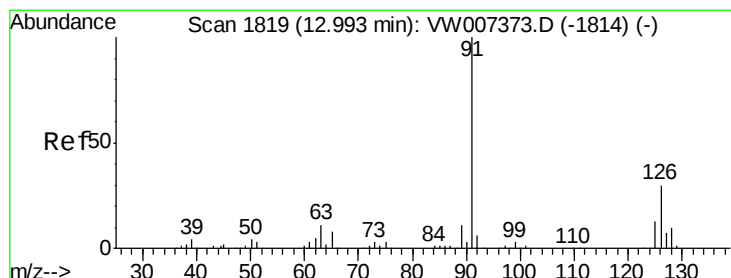
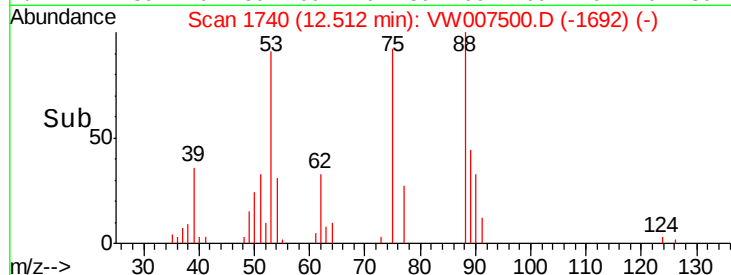
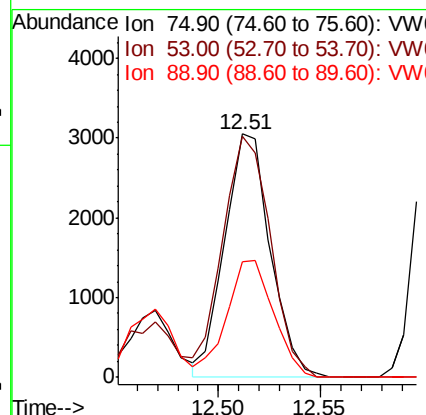
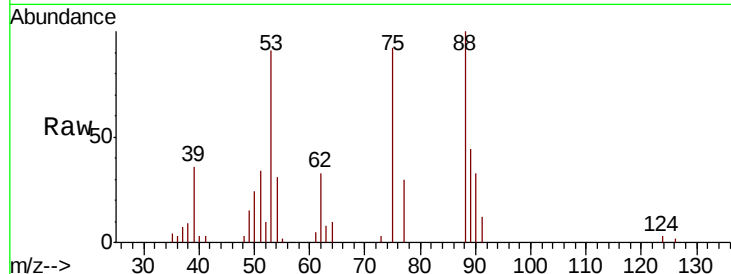




#81  
trans-1,4-Dichloro-2-butene  
Concen: 19.175 ug/l  
RT: 12.51 min Scan# 1740  
Delta R.T. -0.01 min  
Lab File: VW007500.D  
Acq: 13 Dec 2018 22:31

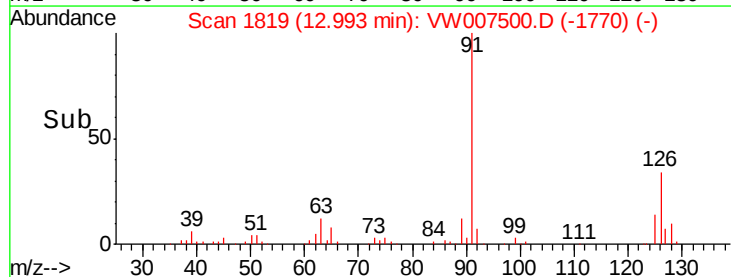
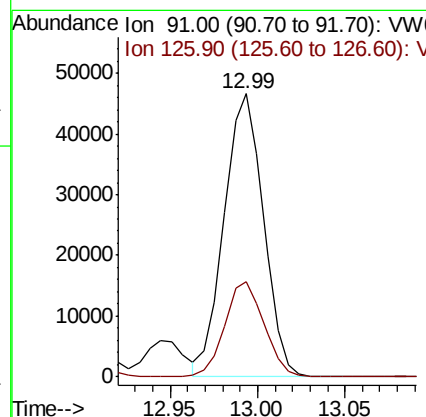
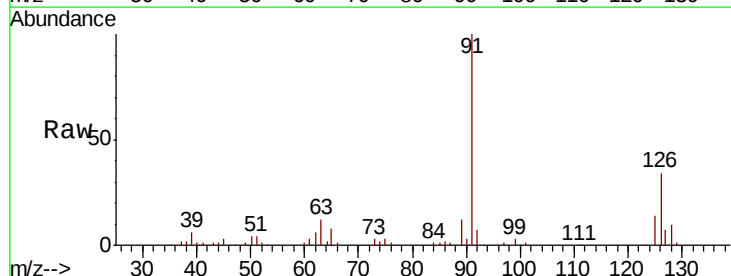
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1216SBSD02

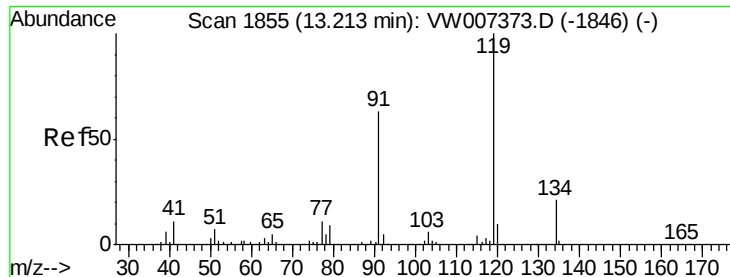
Tot Ion: 75 Resp: 4742  
Ion Ratio Lower Upper  
75 100  
53 103.4 84.9 127.3  
89 49.4 40.3 60.5



#82  
4-Chlorotoluene  
Concen: 20.044 ug/l  
RT: 12.99 min Scan# 1819  
Delta R.T. 0.00 min  
Lab File: VW007500.D  
Acq: 13 Dec 2018 22:31

Tgt Ion: 91 Resp: 73040  
Ion Ratio Lower Upper  
91 100  
126 33.5 16.0 48.0

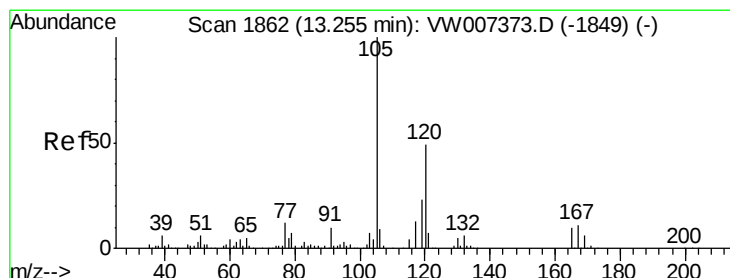
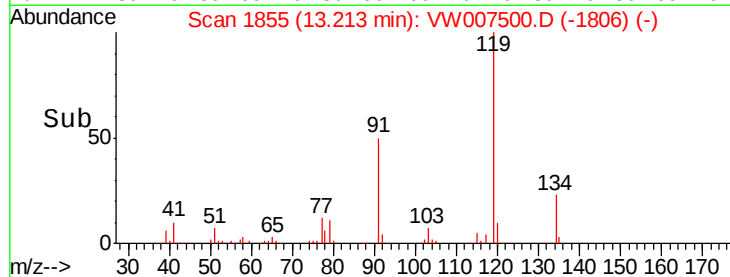
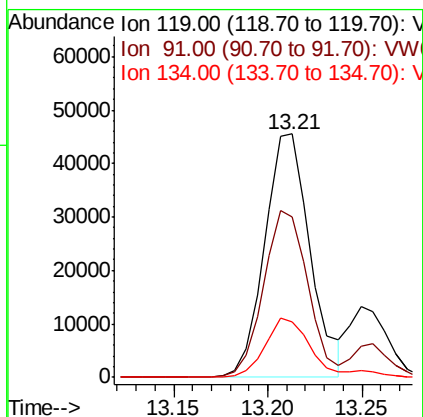
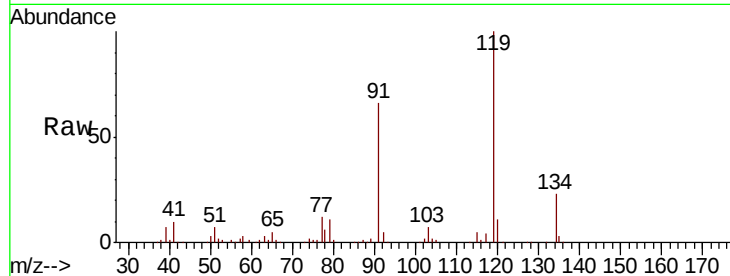




#83  
tert-Butylbenzene  
Concen: 20.311 ug/l  
RT: 13.21 min Scan# 1855  
Delta R.T. 0.00 min  
Lab File: VW007500.D  
Acq: 13 Dec 2018 22:31

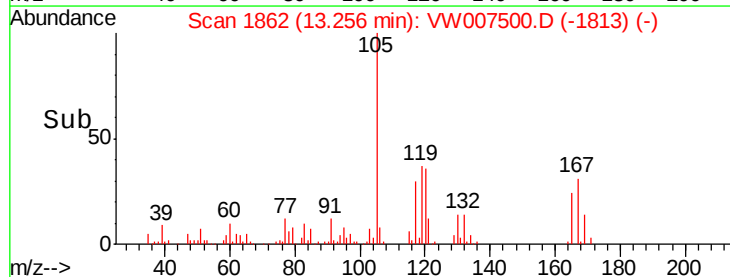
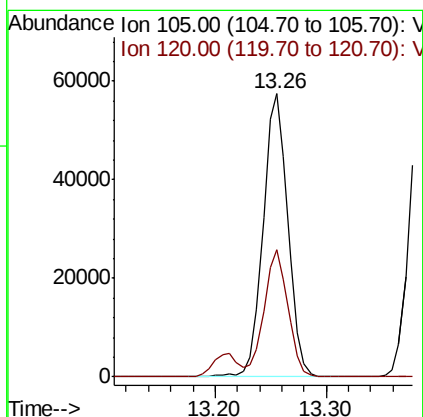
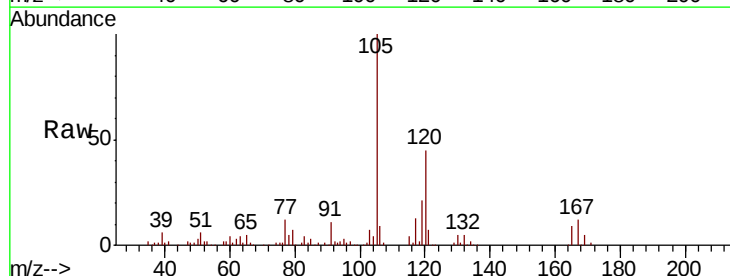
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1216SBS02

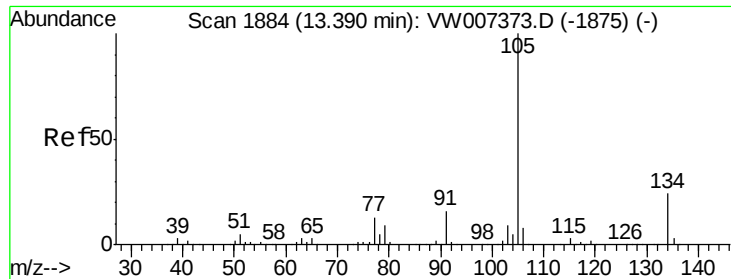
Tot Ion:119 Resp: 76342  
Ion Ratio Lower Upper  
119 100  
91 66.6 33.1 99.2  
134 25.4 12.5 37.5



#84  
1,2,4-Trimethylbenzene  
Concen: 20.278 ug/l  
RT: 13.26 min Scan# 1862  
Delta R.T. 0.00 min  
Lab File: VW007500.D  
Acq: 13 Dec 2018 22:31

Tgt Ion:105 Resp: 89011  
Ion Ratio Lower Upper  
105 100  
120 43.5 22.6 67.7

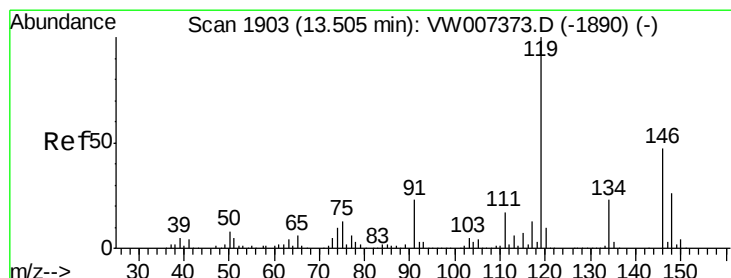
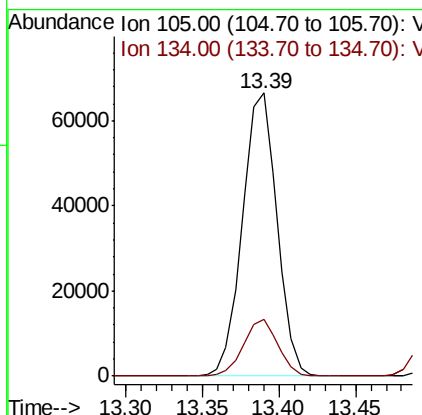
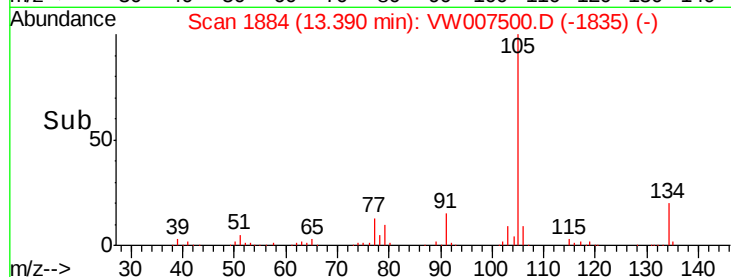
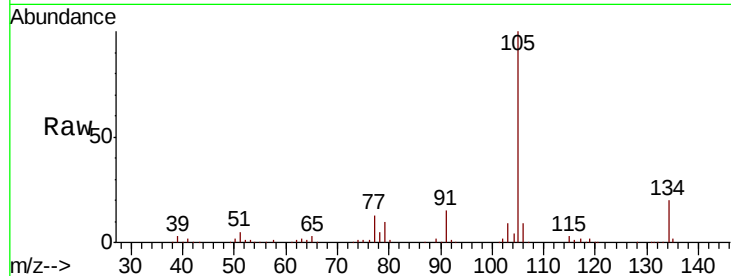




#85  
 sec-Butylbenzene  
 Concen: 20.327 ug/l  
 RT: 13.39 min Scan# 1884  
 Delta R.T. 0.00 min  
 Lab File: VW007500.D  
 Acq: 13 Dec 2018 22:31

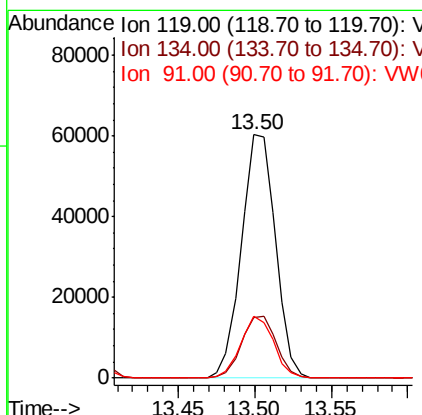
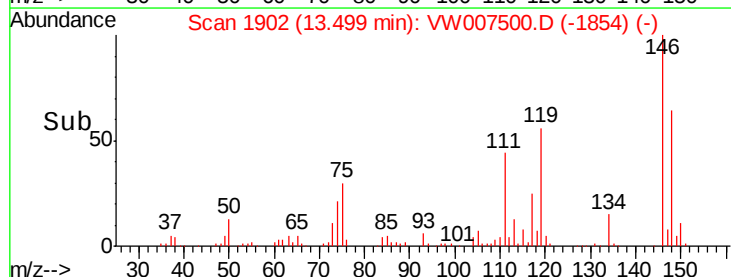
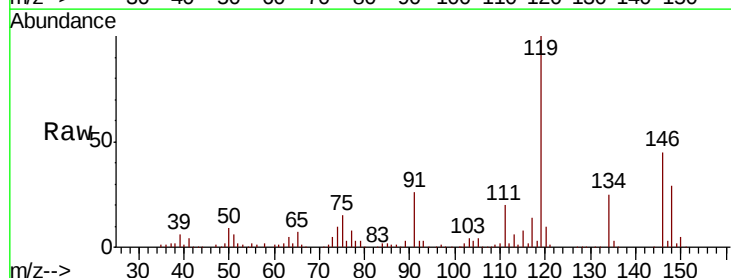
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW1216SBSD02

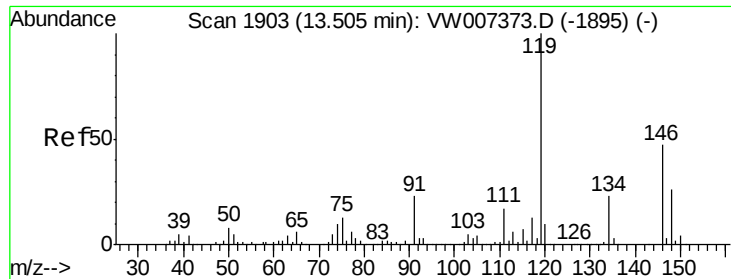
Tot Ion:105 Resp: 104295  
 Ion Ratio Lower Upper  
 105 100  
 134 20.0 11.1 33.3



#86  
 p-Isopropyltoluene  
 Concen: 20.267 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. -0.01 min  
 Lab File: VW007500.D  
 Acq: 13 Dec 2018 22:31

Tgt Ion:119 Resp: 93419  
 Ion Ratio Lower Upper  
 119 100  
 134 25.9 12.9 38.7  
 91 24.7 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 20.127 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Instrument :

MSVOA\_W

ClientSampleId :

VW1216SBSD02

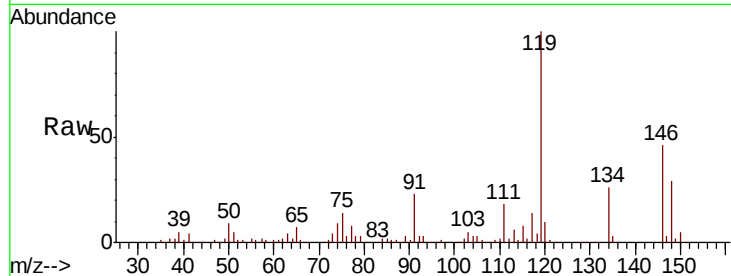
Tot Ion:146 Resp: 45156

Ion Ratio Lower Upper

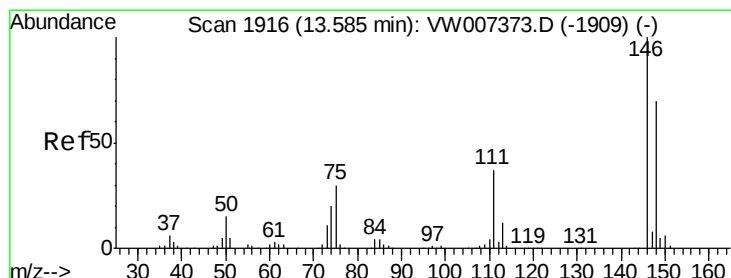
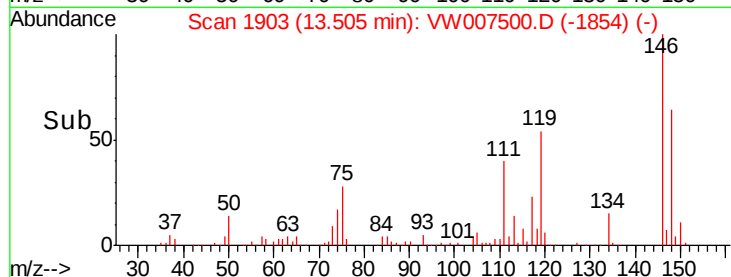
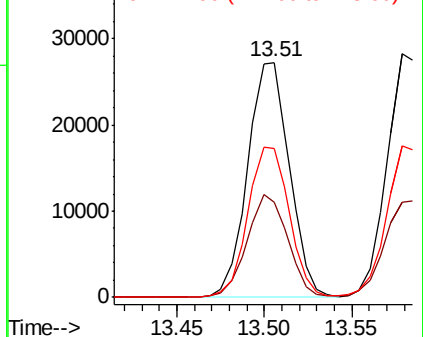
146 100

111 42.6 20.1 60.3

148 63.6 31.4 94.0



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



#88

1,4-Dichlorobenzene

Concen: 20.222 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.01 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

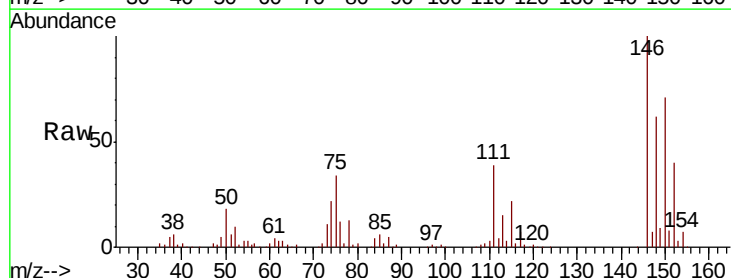
Tgt Ion:146 Resp: 45612

Ion Ratio Lower Upper

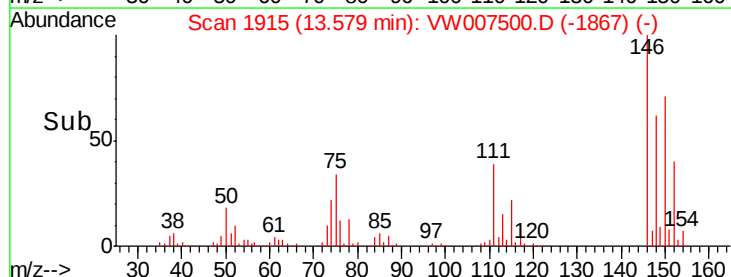
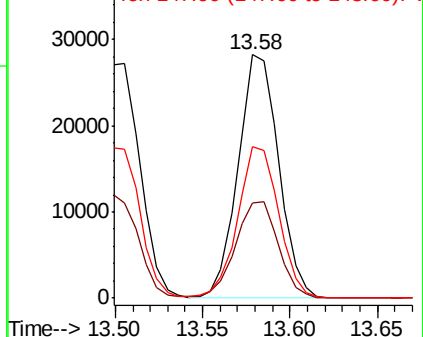
146 100

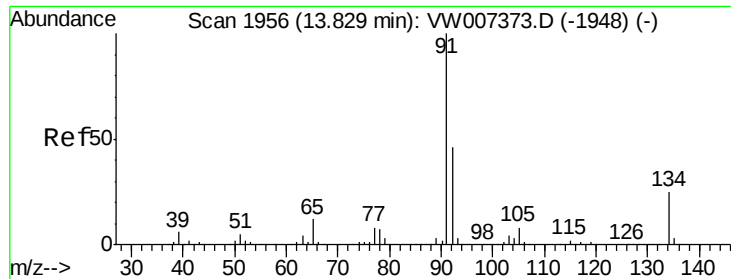
111 42.0 20.3 61.0

148 62.7 33.5 100.5



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





#89

n-Butylbenzene

Concen: 20.313 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Instrument :

MSVOA\_W

ClientSampleId :

VW1216SBSD02

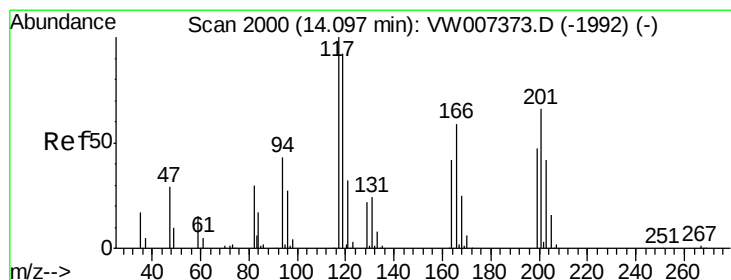
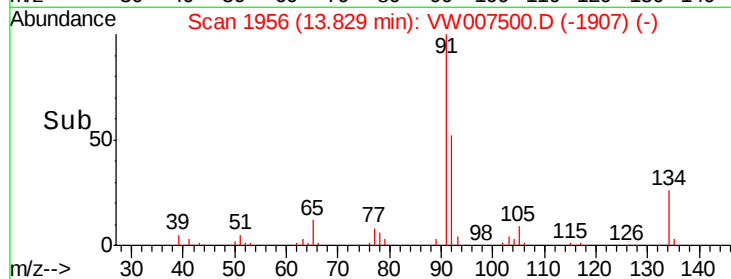
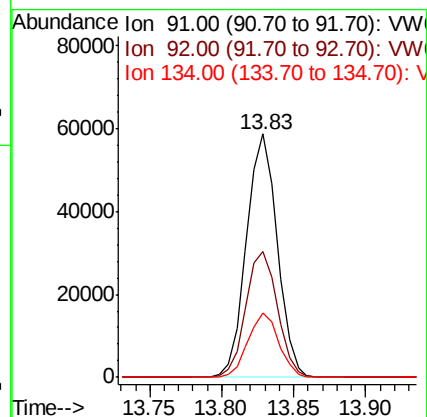
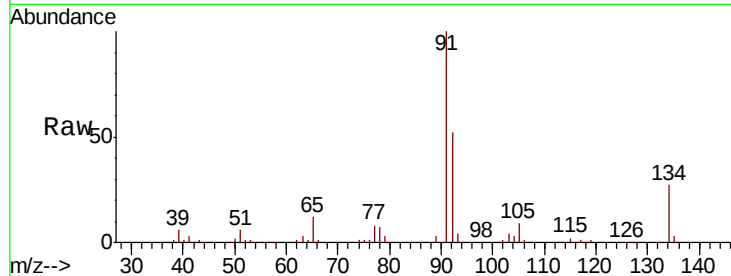
Tot Ion: 91 Resp: 86803

Ion Ratio Lower Upper

91 100

92 53.2 25.7 77.1

134 26.4 13.4 40.2



#90

Hexachloroethane

Concen: 19.845 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW007500.D

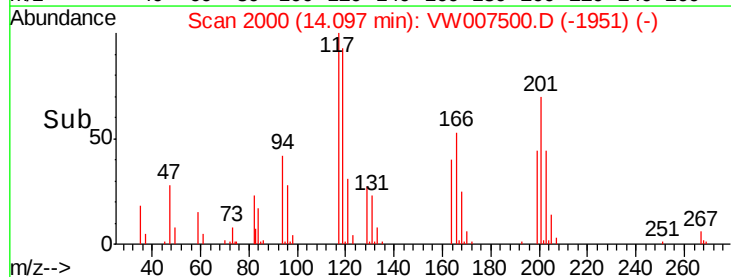
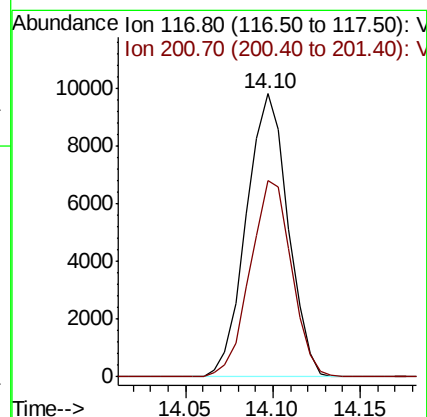
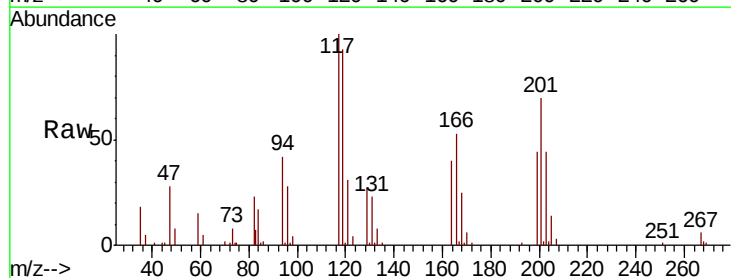
Acq: 13 Dec 2018 22:31

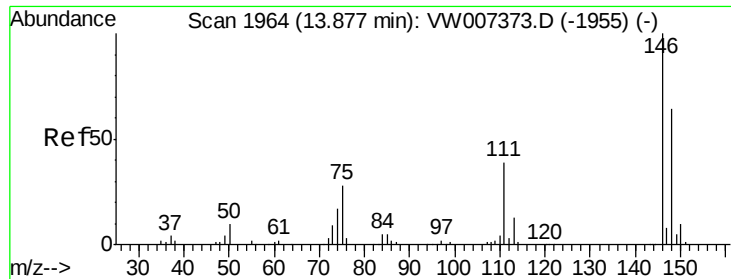
Tgt Ion: 117 Resp: 16276

Ion Ratio Lower Upper

117 100

201 69.2 35.3 105.9





#91

1,2-Dichlorobenzene

Concen: 20.160 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Instrument :

MSVOA\_W

ClientSampleId :

VW1216SBS02

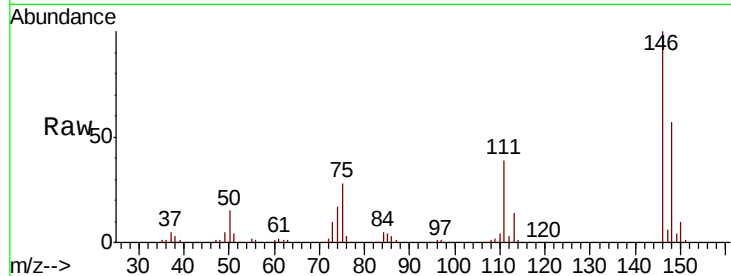
Tot Ion:146 Resp: 40512

Ion Ratio Lower Upper

146 100

111 44.1 22.4 67.2

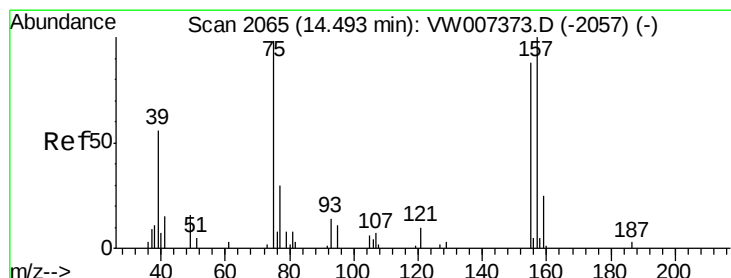
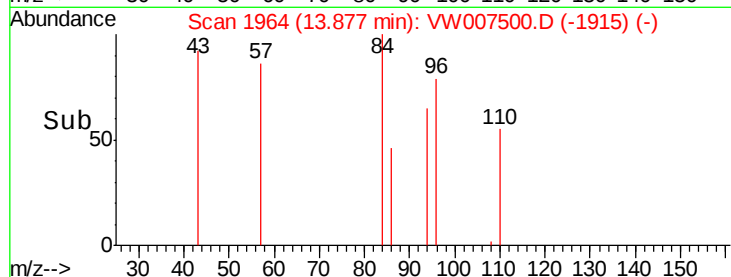
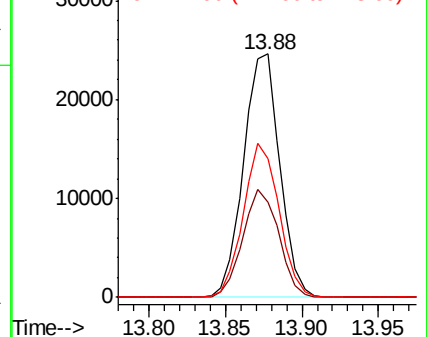
148 62.4 32.4 97.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.914 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.01 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

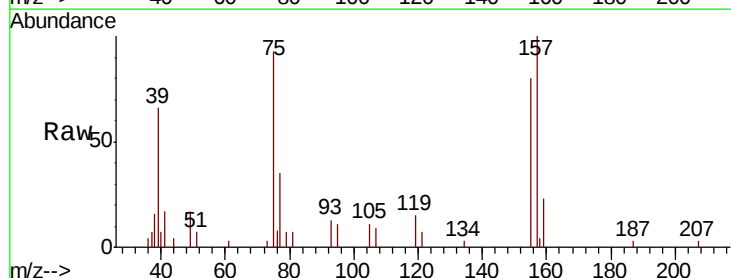
Tgt Ion: 75 Resp: 2854

Ion Ratio Lower Upper

75 100

155 83.8 40.8 122.2

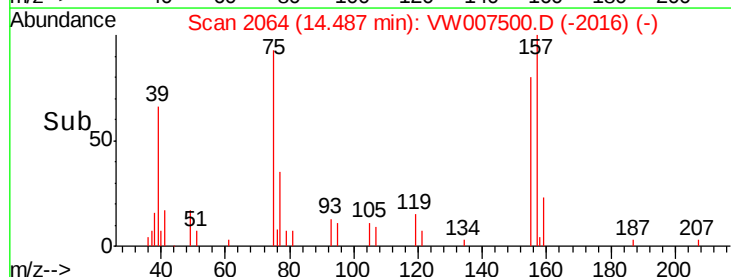
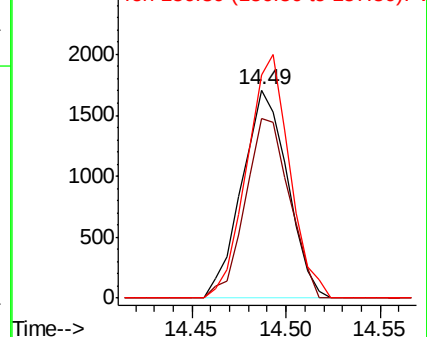
157 109.8 51.1 153.4

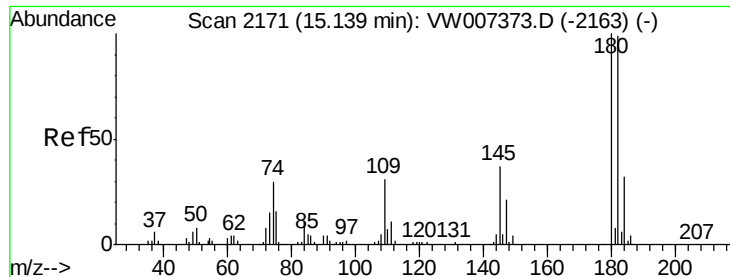


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

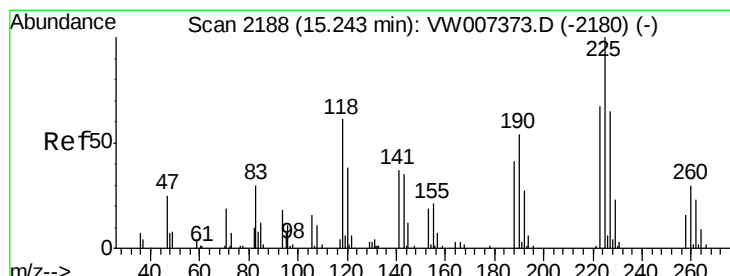
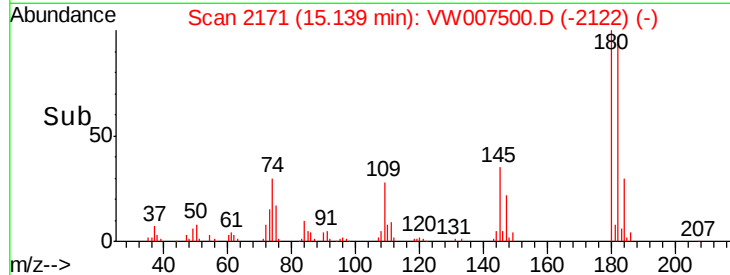
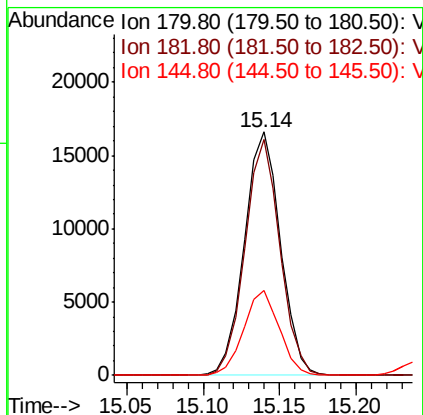
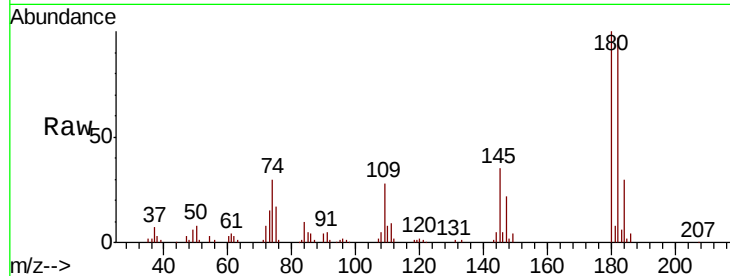




#93  
 1,2,4-Trichlorobenzene  
 Concen: 19.724 ug/l  
 RT: 15.14 min Scan# 2171  
 Delta R.T. 0.00 min  
 Lab File: VW007500.D  
 Acq: 13 Dec 2018 22:31

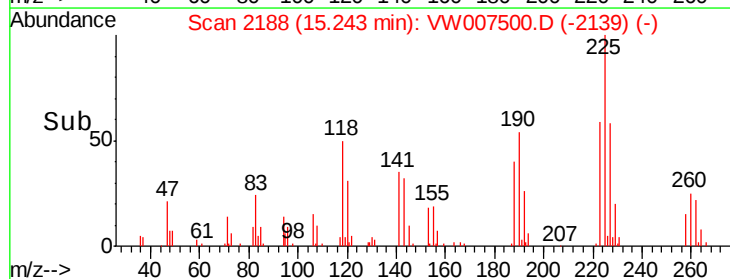
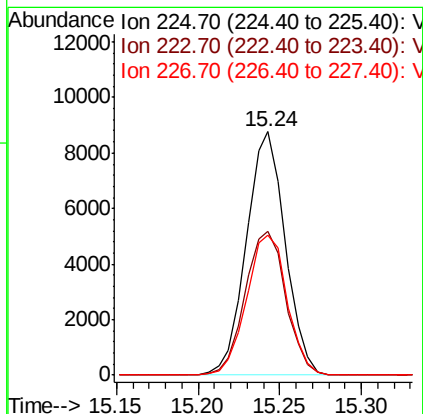
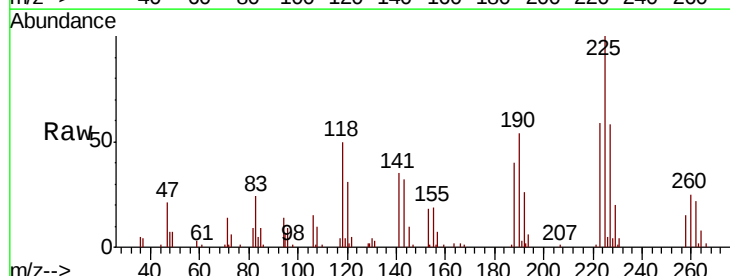
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW1216SBSD02

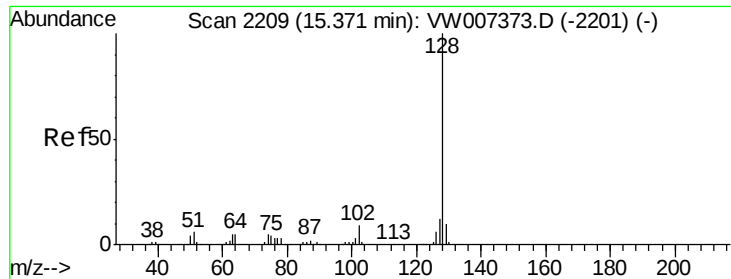
Tot Ion:180 Resp: 27277  
 Ion Ratio Lower Upper  
 180 100  
 182 93.7 49.9 149.6  
 145 34.5 17.8 53.4



#94  
 Hexachlorobutadiene  
 Concen: 19.818 ug/l  
 RT: 15.24 min Scan# 2188  
 Delta R.T. 0.00 min  
 Lab File: VW007500.D  
 Acq: 13 Dec 2018 22:31

Tgt Ion:225 Resp: 14542  
 Ion Ratio Lower Upper  
 225 100  
 223 61.9 32.1 96.3  
 227 60.0 31.9 95.9

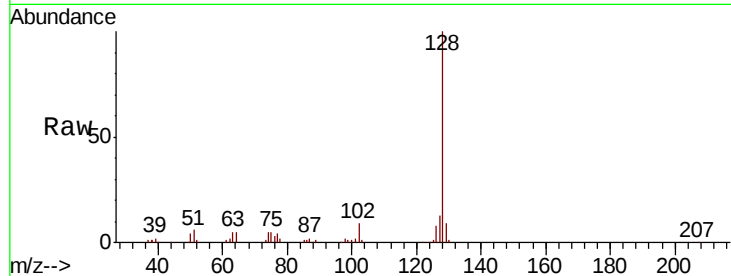




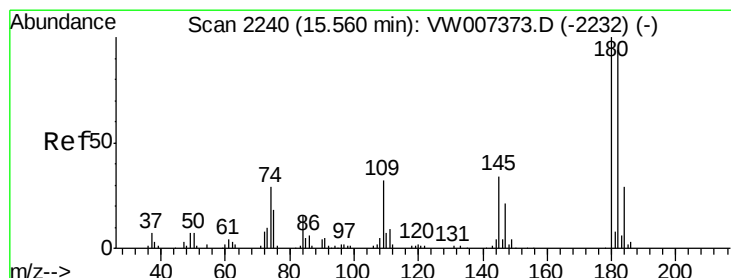
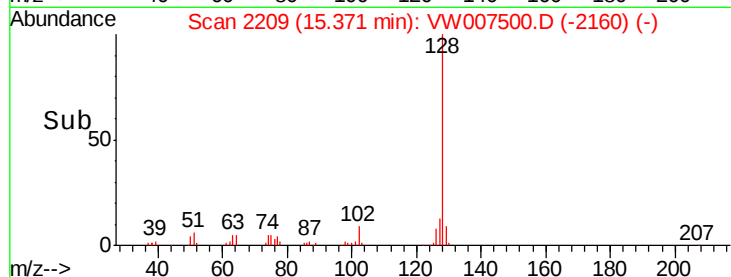
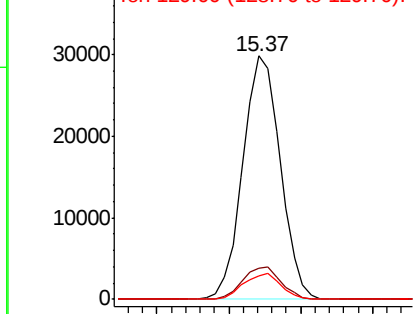
#95  
Naphthalene  
Concen: 20.263 ug/l  
RT: 15.37 min Scan# 2209  
Delta R.T. 0.00 min  
Lab File: VW007500.D  
Acq: 13 Dec 2018 22:31

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1216SBSD02

Tot Ion:128 Resp: 53606  
Ion Ratio Lower Upper  
128 100  
127 13.6 10.2 15.4  
129 10.4 8.3 12.5

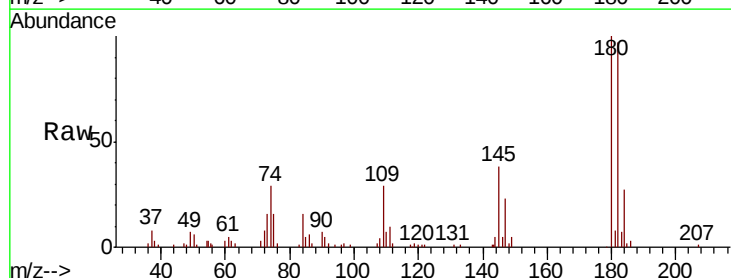


Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V



#96  
1,2,3-Trichlorobenzene  
Concen: 20.028 ug/l  
RT: 15.56 min Scan# 2240  
Delta R.T. 0.00 min  
Lab File: VW007500.D  
Acq: 13 Dec 2018 22:31

Tgt Ion:180 Resp: 24060  
Ion Ratio Lower Upper  
180 100  
182 94.1 45.6 136.7  
145 35.5 17.5 52.5



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

