

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW111718\  
 Data File : VW006932.D  
 Acq On : 17 Nov 2018 00:09  
 Operator : SY/AP  
 Sample : VSTDIC050  
 Misc : 5.00G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC050

Quant Time: Nov 17 01:25:21 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W111718S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 17 01:21:22 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.96  | 168  | 107964   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 179323   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 170250   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 82473    | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 59287    | 68.16 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 136.32% |      |
| 35) Dibromofluoromethane  | 7.89   | 113 | 53878    | 49.82 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.64%  |      |
| 50) Toluene-d8            | 10.33  | 98  | 239867   | 53.20 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.40% |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 93039    | 55.48 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 110.96% |      |

## Target Compounds

|                               |      |     |        |         |      | Qvalue |
|-------------------------------|------|-----|--------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 2.00 | 85  | 51278  | 55.906  | ug/l | 100    |
| 3) Chloromethane              | 2.21 | 50  | 46900  | 47.085  | ug/l | 100    |
| 4) Vinyl Chloride             | 2.36 | 62  | 44445  | 42.473  | ug/l | 100    |
| 5) Bromomethane               | 2.78 | 94  | 24146  | 35.360  | ug/l | 100    |
| 6) Chloroethane               | 2.92 | 64  | 25329  | 37.854  | ug/l | 100    |
| 7) Trichlorofluoromethane     | 3.26 | 101 | 83837  | 56.914  | ug/l | 100    |
| 8) Diethyl Ether              | 3.69 | 74  | 29442  | 65.270  | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 4.07 | 101 | 52952  | 53.360  | ug/l | 100    |
| 10) Methyl Iodide             | 4.28 | 142 | 68230  | 50.640  | ug/l | 100    |
| 11) Tert butyl alcohol        | 5.21 | 59  | 20436  | 358.976 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 4.04 | 96  | 49145  | 58.013  | ug/l | 100    |
| 13) Acrolein                  | 3.90 | 56  | 19855  | 333.861 | ug/l | 100    |
| 14) Allyl chloride            | 4.68 | 41  | 86303  | 72.719  | ug/l | 100    |
| 15) Acrylonitrile             | 5.38 | 53  | 59960  | 348.440 | ug/l | 100    |
| 16) Acetone                   | 4.14 | 43  | 44694  | 356.059 | ug/l | 100    |
| 17) Carbon Disulfide          | 4.39 | 76  | 158406 | 59.138  | ug/l | 100    |
| 18) Methyl Acetate            | 4.68 | 43  | 30861  | 71.624  | ug/l | 100    |
| 19) Methyl tert-butyl Ether   | 5.43 | 73  | 143604 | 68.447  | ug/l | 100    |
| 20) Methylene Chloride        | 4.92 | 84  | 65033  | 49.665  | ug/l | 100    |
| 21) trans-1,2-Dichloroethene  | 5.43 | 96  | 57214  | 57.204  | ug/l | 100    |
| 22) Diisopropyl ether         | 6.32 | 45  | 175091 | 71.621  | ug/l | 100    |
| 23) Vinyl Acetate             | 6.26 | 43  | 491291 | 356.876 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 6.23 | 63  | 99580  | 63.233  | ug/l | 100    |
| 25) 2-Butanone                | 7.18 | 43  | 74453  | 353.155 | ug/l | 100    |
| 26) 2,2-Dichloropropane       | 7.17 | 77  | 84075  | 54.698  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96  | 63515  | 59.120  | ug/l | 100    |
| 28) Bromochloromethane        | 7.52 | 49  | 35481  | 63.988  | ug/l | 100    |
| 29) Tetrahydrofuran           | 7.54 | 42  | 47989  | 355.573 | ug/l | 100    |
| 30) Chloroform                | 7.68 | 83  | 105183 | 61.619  | ug/l | 100    |
| 31) Cyclohexane               | 7.96 | 56  | 96135  | 60.318  | ug/l | 100    |
| 32) 1,1,1-Trichloroethane     | 7.88 | 97  | 94040  | 58.029  | ug/l | 100    |
| 36) 1,1-Dichloropropene       | 8.09 | 75  | 84138  | 50.079  | ug/l | 100    |
| 37) Ethyl Acetate             | 7.26 | 43  | 34538  | 60.183  | ug/l | 100    |
| 38) Carbon Tetrachloride      | 8.07 | 117 | 81422  | 45.356  | ug/l | 100    |

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 Sample : VSTDIC050  
 Misc : 5.00G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC050

Quant Time: Nov 17 01:25:21 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W111718S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 17 01:21:22 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 105644   | 49.041   | ug/l   | 100      |
| 40) Benzene                    | 8.33  | 78   | 243251   | 51.826   | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.49  | 41   | 22240    | 62.815   | ug/l   | 100      |
| 42) 1,2-Dichloroethane         | 8.41  | 62   | 68637    | 53.747   | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.43  | 43   | 68458    | 61.244   | ug/l   | 100      |
| 44) Trichloroethene            | 9.10  | 130  | 64596    | 44.672   | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 60079    | 54.288   | ug/l   | 100      |
| 46) Dibromomethane             | 9.46  | 93   | 29817    | 49.133   | ug/l   | 100      |
| 47) Bromodichloromethane       | 9.65  | 83   | 78672    | 51.849   | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.44  | 41   | 32451    | 59.678   | ug/l   | 100      |
| 49) 1,4-Dioxane                | 9.47  | 88   | 10186    | 1106.251 | ug/l # | 100      |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 171512   | 307.097  | ug/l   | 100      |
| 52) Toluene                    | 10.39 | 92   | 166498   | 50.556   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.61 | 75   | 79432    | 53.155   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 94607    | 53.350   | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 44919    | 49.864   | ug/l   | 100      |
| 56) Ethyl methacrylate         | 10.65 | 69   | 58892    | 58.545   | ug/l   | 100      |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 76615    | 53.152   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.93  | 63   | 129691   | 261.710  | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.97 | 43   | 120443   | 314.409  | ug/l   | 100      |
| 60) Dibromochloromethane       | 11.13 | 129  | 52282    | 47.979   | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 41935    | 49.246   | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.87 | 164  | 55574    | 42.216   | ug/l   | 100      |
| 65) Chlorobenzene              | 11.66 | 112  | 184048   | 49.095   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 57036    | 47.018   | ug/l   | 100      |
| 67) Ethyl Benzene              | 11.73 | 91   | 332075   | 51.601   | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.84 | 106  | 256486   | 98.312   | ug/l   | 100      |
| 69) o-Xylene                   | 12.17 | 106  | 122412   | 50.287   | ug/l   | 100      |
| 70) Styrene                    | 12.18 | 104  | 198978   | 50.957   | ug/l   | 100      |
| 71) Bromoform                  | 12.35 | 173  | 26809    | 41.485   | ug/l # | 100      |
| 73) Isopropylbenzene           | 12.47 | 105  | 331077   | 56.652   | ug/l   | 100      |
| 74) N-amyl acetate             | 12.27 | 43   | 66558    | 71.024   | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 12.72 | 83   | 47044    | 57.684   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 65353    | 104.993  | ug/l # | 100      |
| 77) Bromobenzene               | 12.75 | 156  | 71278    | 49.583   | ug/l   | 100      |
| 78) n-propylbenzene            | 12.81 | 91   | 398327   | 57.583   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.90 | 91   | 230930   | 59.051   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.95 | 105  | 286596   | 57.082   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.52 | 75   | 14685    | 58.997   | ug/l   | 100      |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 244227   | 58.595   | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.21 | 119  | 243133   | 55.211   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 13.26 | 105  | 289013   | 56.642   | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.39 | 105  | 346986   | 55.506   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.51 | 119  | 306058   | 54.223   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.51 | 146  | 143626   | 49.205   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 142826   | 49.398   | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.83 | 91   | 293173   | 56.348   | ug/l   | 100      |
| 90) Hexachloroethane           | 14.10 | 117  | 49971    | 55.036   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 13.88 | 146  | 127512   | 49.949   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 8759     | 65.291   | ug/l   | 100      |

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Acq On : 17 Nov 2018 00:09  
Operator : SY/AP  
Sample : VSTDIC050  
Misc : 5.00G/5ML/MSVOA\_W/SOIL  
ALS Vial : 29 Sample Multiplier: 1

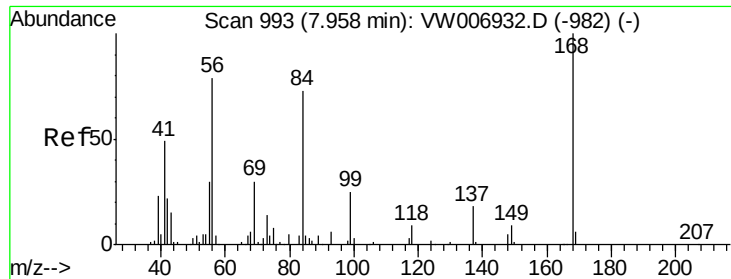
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICCC050

Quant Time: Nov 17 01:25:21 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W111718S.M  
Quant Title : SW846 8260  
QLast Update : Sat Nov 17 01:21:22 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.14 | 180  | 83665    | 44.581 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 43675    | 37.708 | ug/l  | 100      |
| 95) Naphthalene            | 15.38 | 128  | 163037   | 55.738 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.57 | 180  | 71224    | 44.199 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

Instrument :

MSVOA\_W

ClientSampleId :

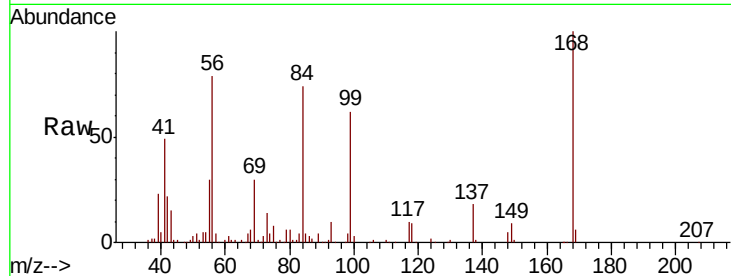
VSTDICCC050

Tgt Ion:168 Resp: 107964

Ion Ratio Lower Upper

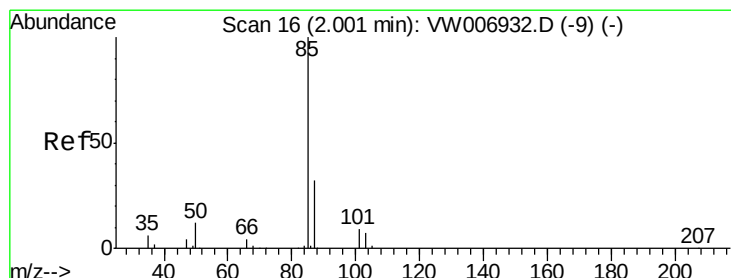
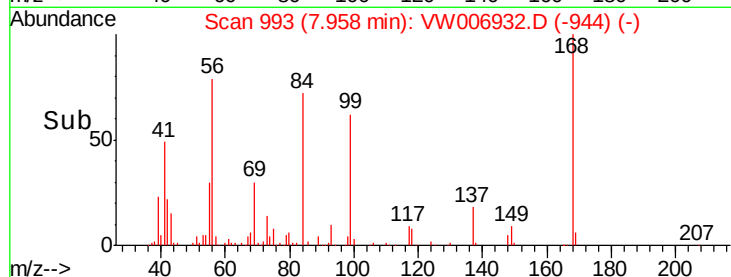
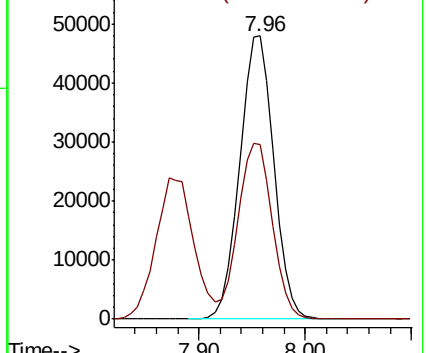
168 100

99 61.6 49.3 73.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 55.906 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW006932.D

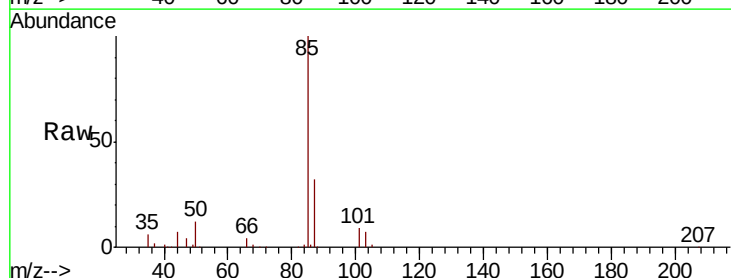
Acq: 17 Nov 2018 00:09

Tgt Ion: 85 Resp: 51278

Ion Ratio Lower Upper

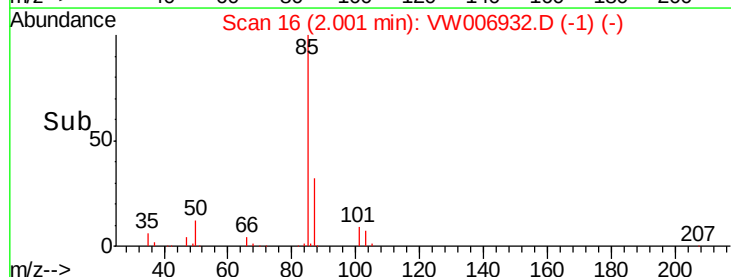
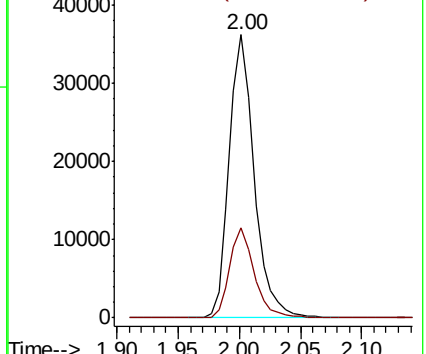
85 100

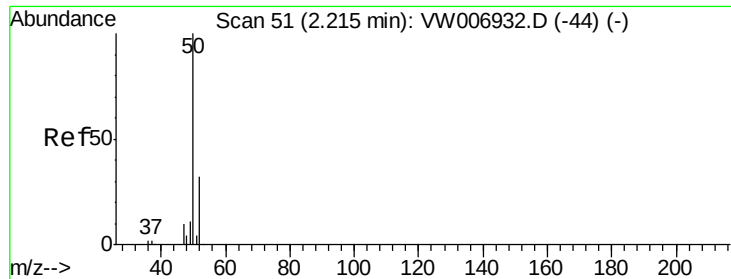
87 32.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

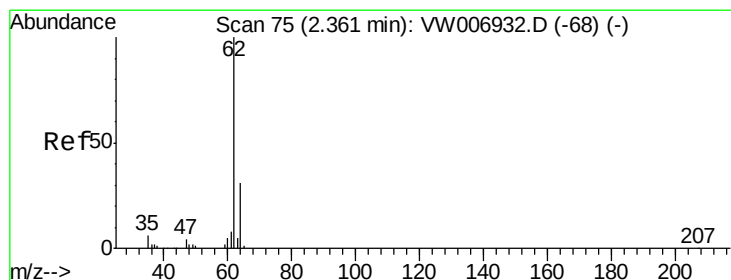
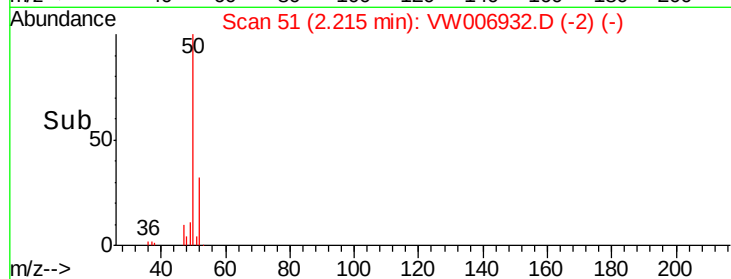
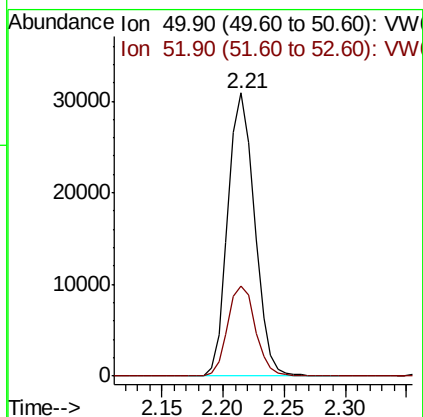
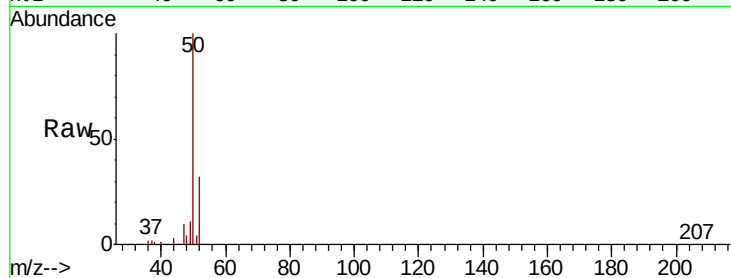




#3  
 Chloromethane  
 Concen: 47.085 ug/l  
 RT: 2.21 min Scan# 51  
 Delta R.T. 0.00 min  
 Lab File: VW006932.D  
 Acq: 17 Nov 2018 00:09

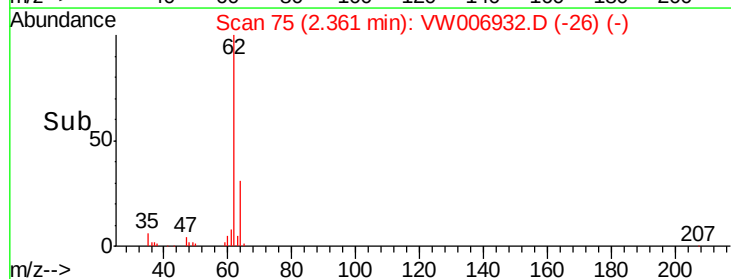
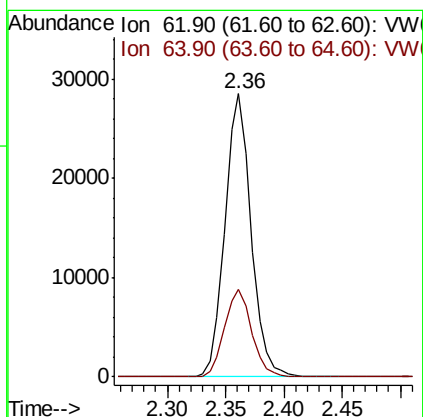
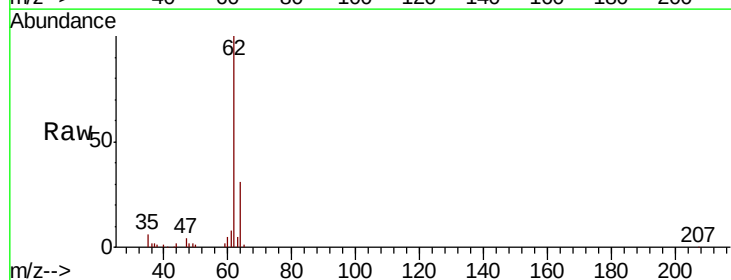
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDICCC050

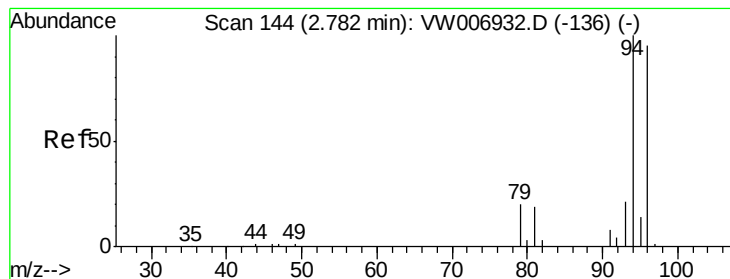
Tgt Ion: 50 Resp: 46900  
 Ion Ratio Lower Upper  
 50 100  
 52 31.8 25.4 38.2



#4  
 Vinyl Chloride  
 Concen: 42.473 ug/l  
 RT: 2.36 min Scan# 75  
 Delta R.T. 0.00 min  
 Lab File: VW006932.D  
 Acq: 17 Nov 2018 00:09

Tgt Ion: 62 Resp: 44445  
 Ion Ratio Lower Upper  
 62 100  
 64 30.8 24.6 37.0





#5

Bromomethane

Concen: 35.360 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

Instrument :

MSVOA\_W

ClientSampleId :

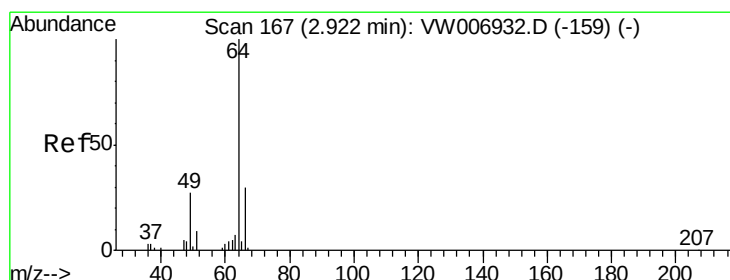
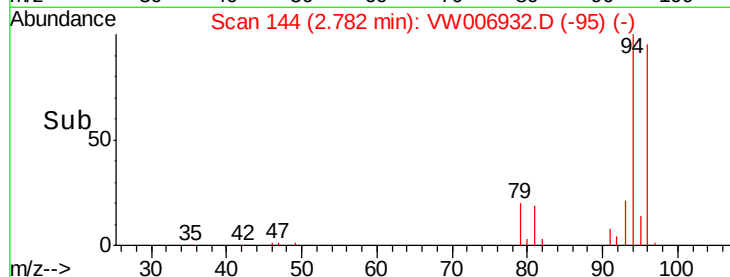
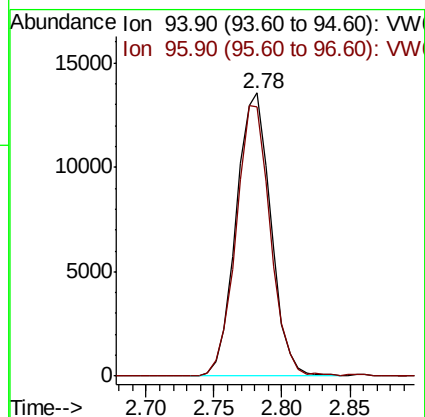
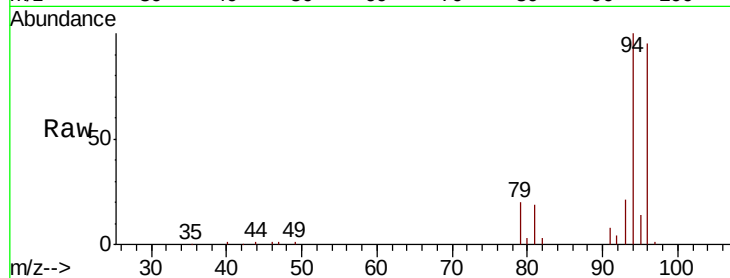
VSTDICCC050

Tgt Ion: 94 Resp: 24146

Ion Ratio Lower Upper

94 100

96 95.3 76.2 114.4



#6

Chloroethane

Concen: 37.854 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW006932.D

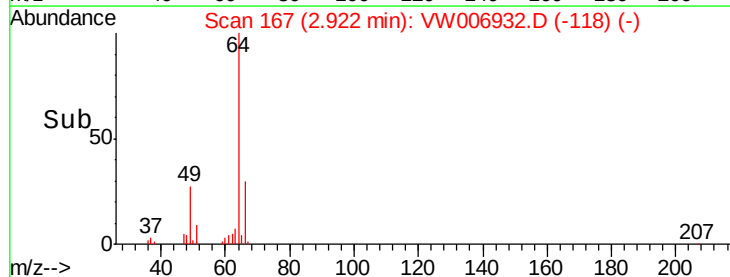
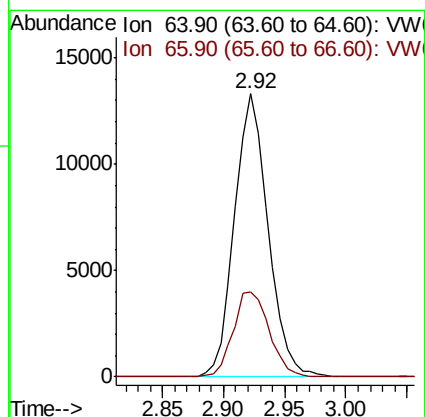
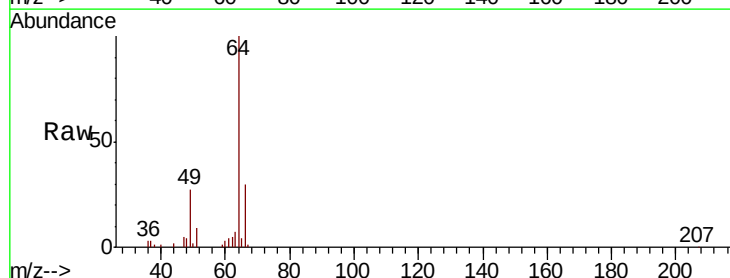
Acq: 17 Nov 2018 00:09

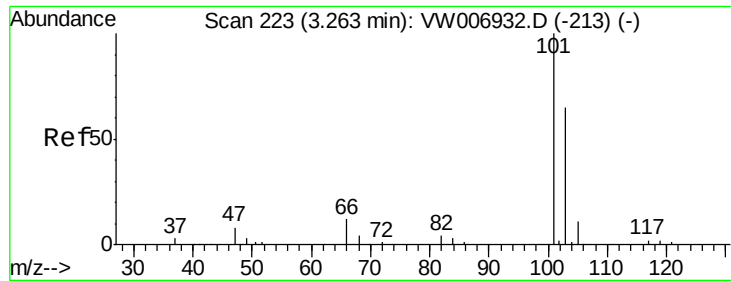
Tgt Ion: 64 Resp: 25329

Ion Ratio Lower Upper

64 100

66 30.0 24.0 36.0



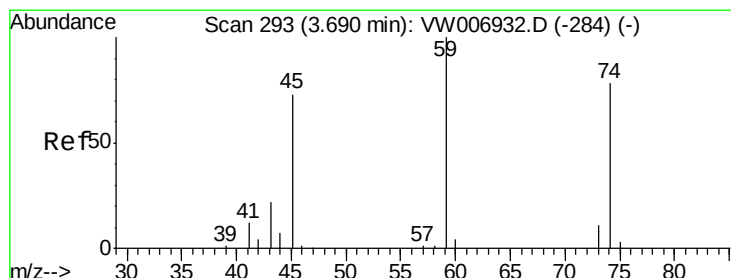
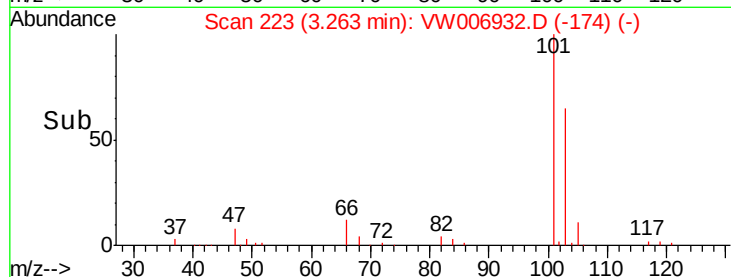
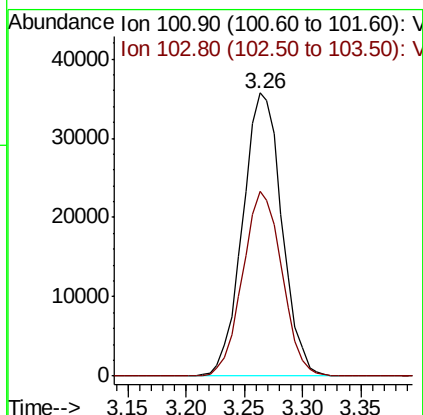
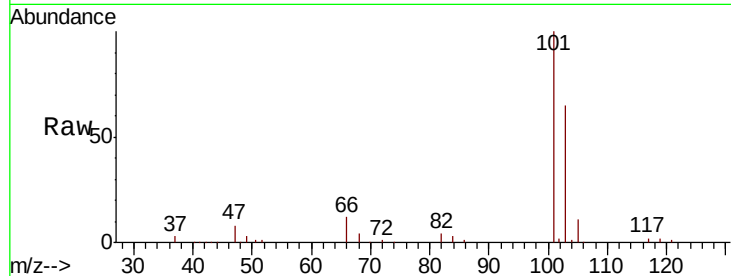


#7

Trichlorofluoromethane  
 Concen: 56.914 ug/l  
 RT: 3.26 min Scan# 223  
 Delta R.T. 0.00 min  
 Lab File: VW006932.D  
 Acq: 17 Nov 2018 00:09

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDICCC050

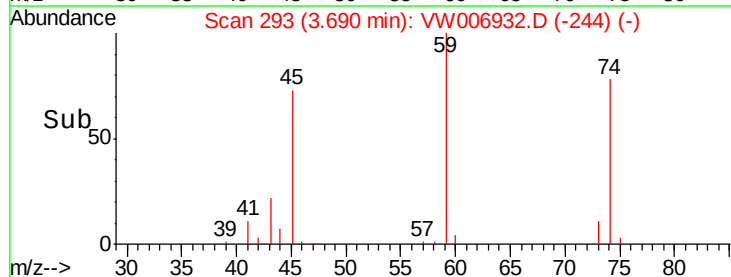
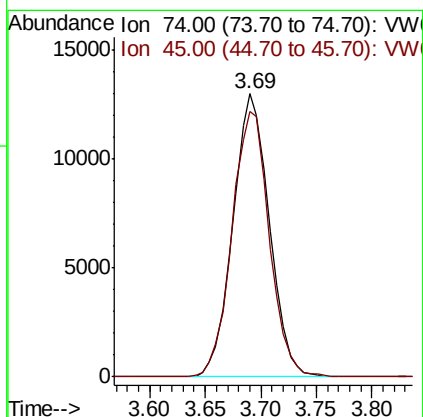
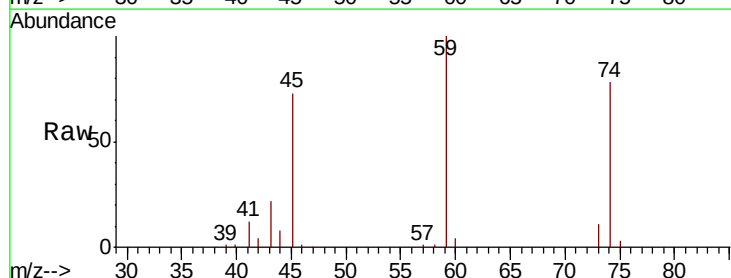
Tgt Ion: 101 Resp: 83837  
 Ion Ratio Lower Upper  
 101 100  
 103 65.2 52.2 78.2



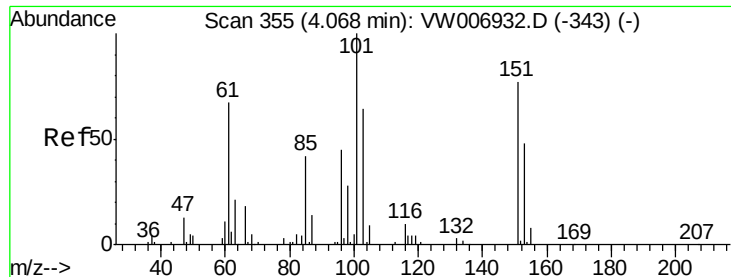
#8

Diethyl Ether  
 Concen: 65.270 ug/l  
 RT: 3.69 min Scan# 293  
 Delta R.T. 0.00 min  
 Lab File: VW006932.D  
 Acq: 17 Nov 2018 00:09

Tgt Ion: 74 Resp: 29442  
 Ion Ratio Lower Upper  
 74 100  
 45 96.1 48.0 144.2







#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.360 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

Instrument :

MSVOA\_W

ClientSampleId :

VSTDICCC050

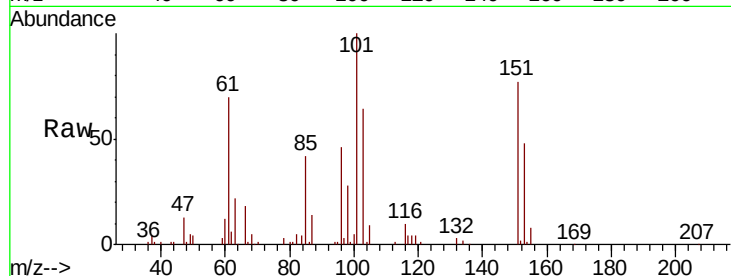
Tgt Ion:101 Resp: 52952

Ion Ratio Lower Upper

101 100

85 43.1 34.5 51.7

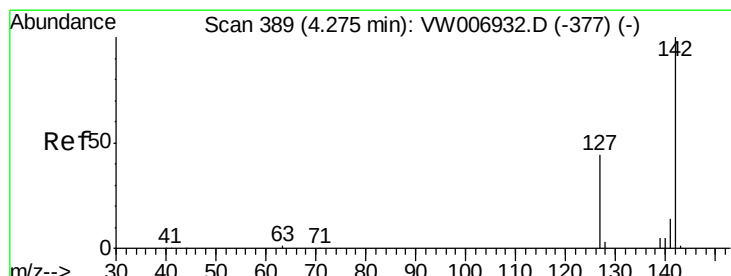
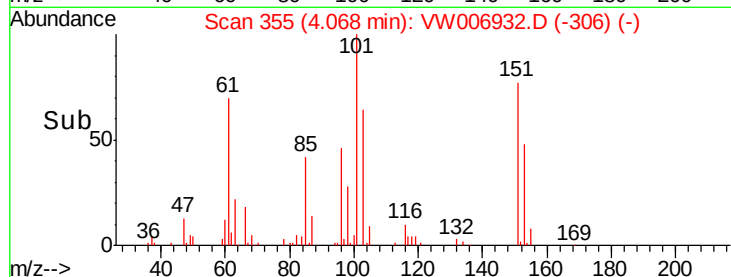
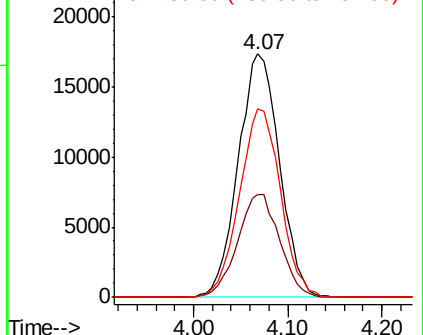
151 76.9 61.5 92.3



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: 50.640 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

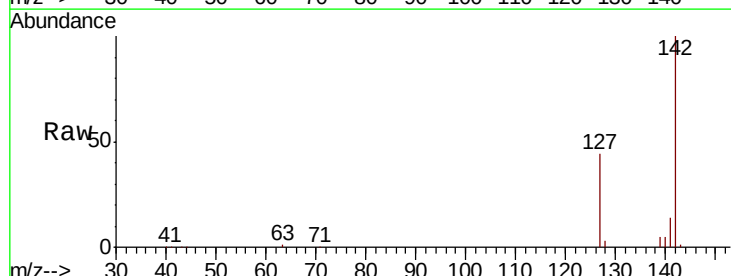
Tgt Ion:142 Resp: 68230

Ion Ratio Lower Upper

142 100

127 43.0 34.4 51.6

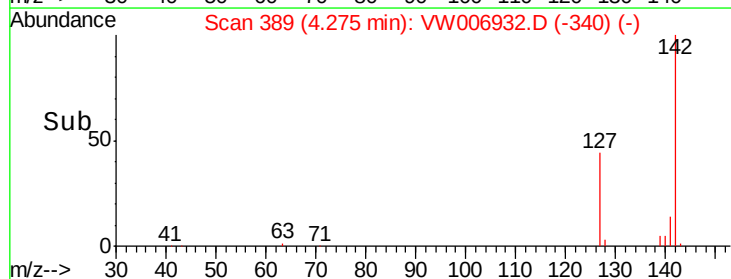
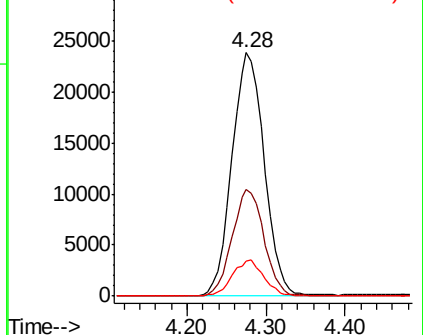
141 14.4 11.5 17.3

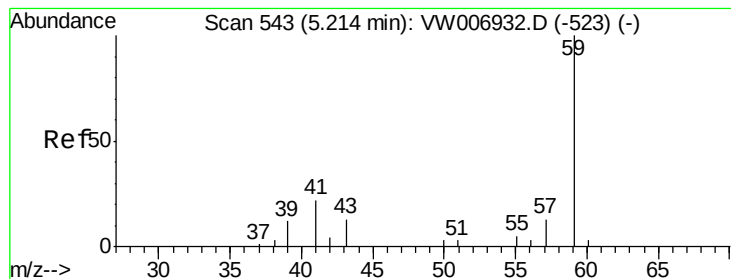


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



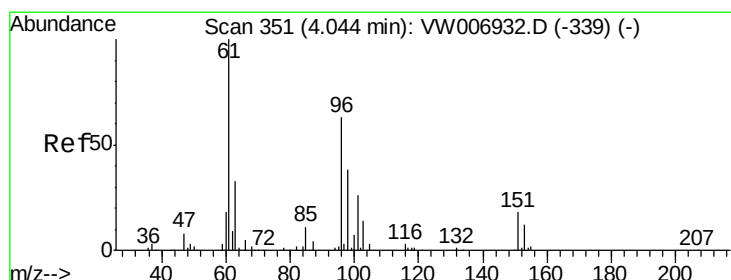
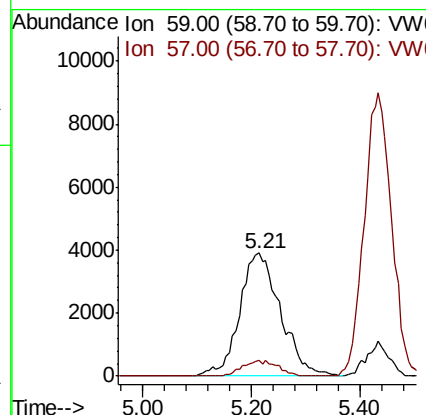
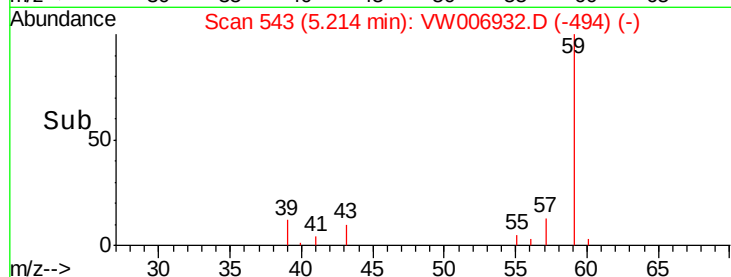
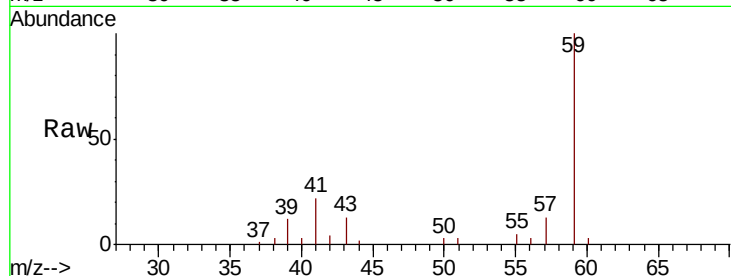


#11

Tert butyl alcohol  
 Concen: 358.976 ug/l  
 RT: 5.21 min Scan# 543  
 Delta R.T. 0.00 min  
 Lab File: VW006932.D  
 Acq: 17 Nov 2018 00:09

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDICCC050

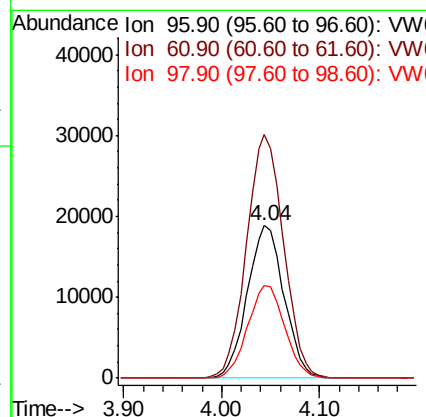
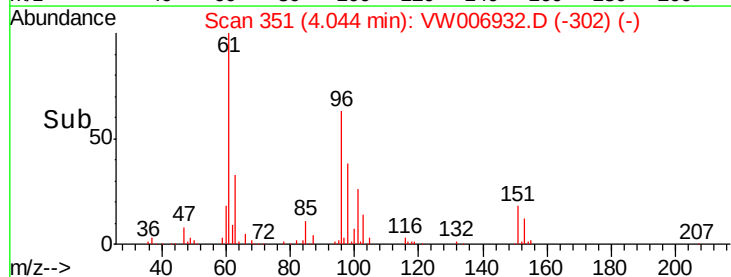
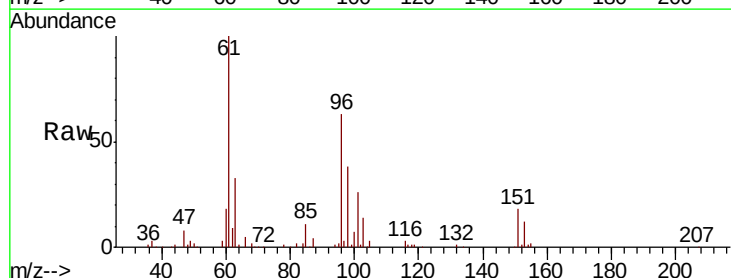
Tgt Ion: 59 Resp: 20436  
 Ion Ratio Lower Upper  
 59 100  
 57 11.0 8.8 13.2

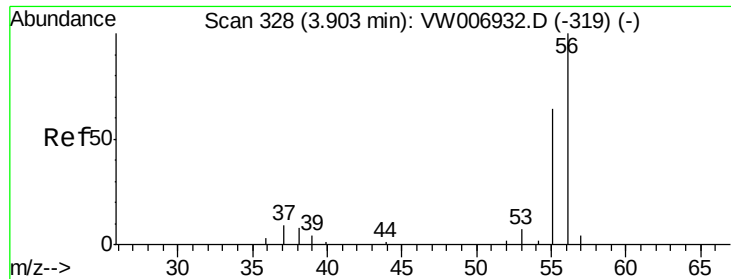


#12

1,1-Dichloroethene  
 Concen: 58.013 ug/l  
 RT: 4.04 min Scan# 351  
 Delta R.T. 0.00 min  
 Lab File: VW006932.D  
 Acq: 17 Nov 2018 00:09

Tgt Ion: 96 Resp: 49145  
 Ion Ratio Lower Upper  
 96 100  
 61 159.8 127.8 191.8  
 98 60.4 48.3 72.5

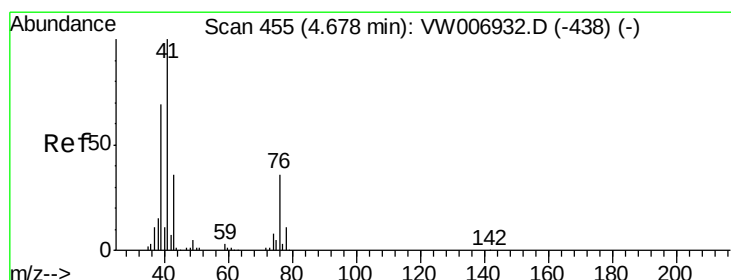
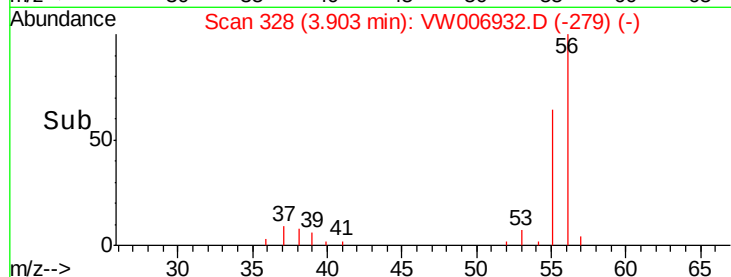
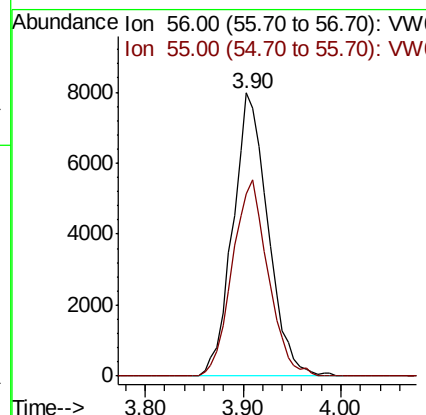
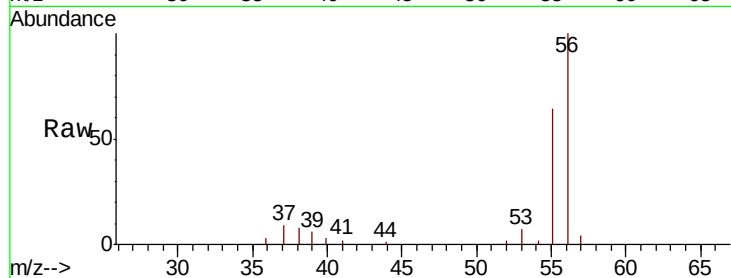




#13  
 Acrolein  
 Concen: 333.861 ug/l  
 RT: 3.90 min Scan# 328  
 Delta R.T. 0.00 min  
 Lab File: VW006932.D  
 Acq: 17 Nov 2018 00:09

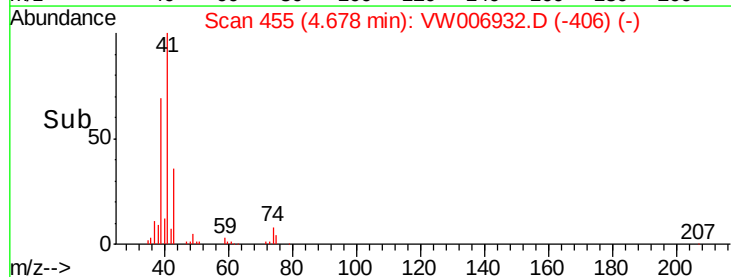
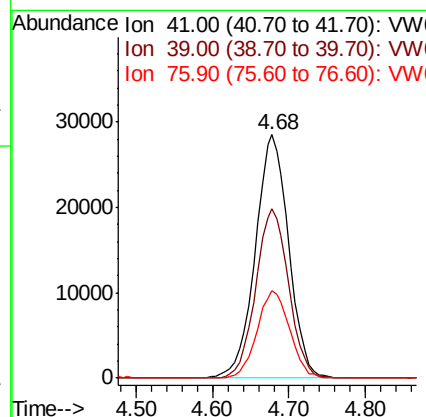
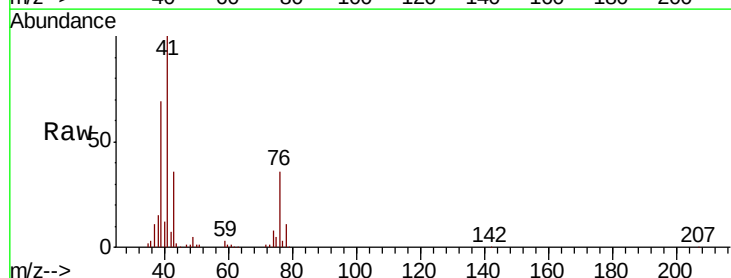
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDICCC050

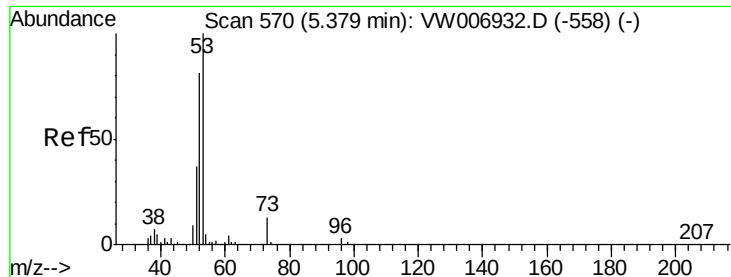
Tgt Ion: 56 Resp: 19855  
 Ion Ratio Lower Upper  
 56 100  
 55 70.6 56.5 84.7



#14  
 Allyl chloride  
 Concen: 72.719 ug/l  
 RT: 4.68 min Scan# 455  
 Delta R.T. 0.00 min  
 Lab File: VW006932.D  
 Acq: 17 Nov 2018 00:09

Tgt Ion: 41 Resp: 86303  
 Ion Ratio Lower Upper  
 41 100  
 39 68.7 55.0 82.4  
 76 35.0 28.0 42.0





#15

Acrylonitrile

Concen: 348.440 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

Instrument :

MSVOA\_W

ClientSampleId :

VSTDICCC050

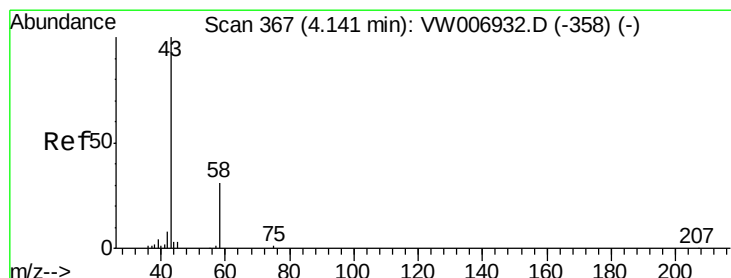
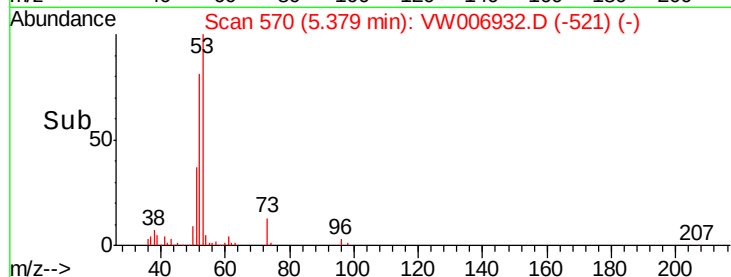
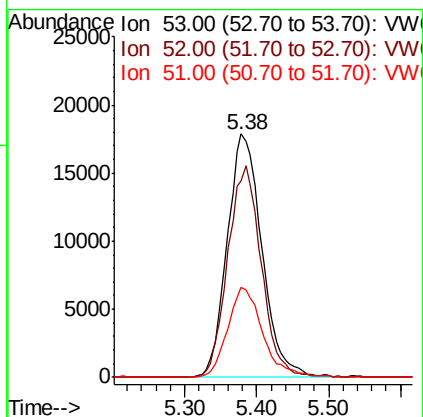
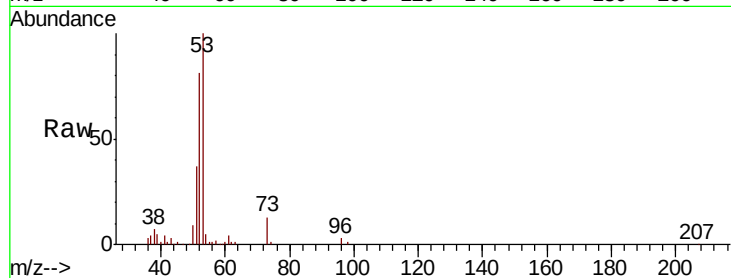
Tgt Ion: 53 Resp: 59960

Ion Ratio Lower Upper

53 100

52 83.8 67.0 100.6

51 37.2 29.8 44.6



#16

Acetone

Concen: 356.059 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

Lab File: VW006932.D

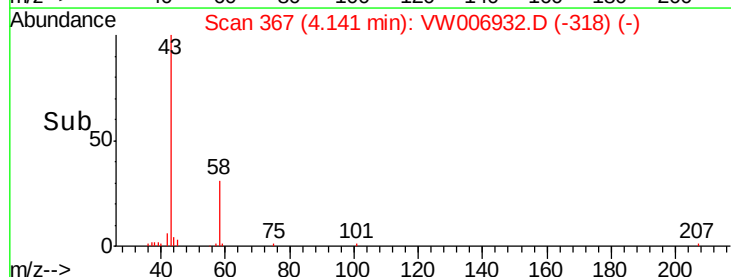
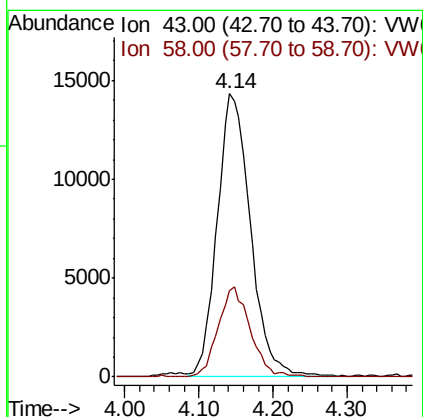
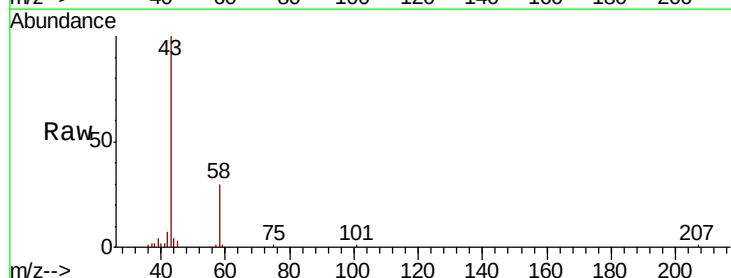
Acq: 17 Nov 2018 00:09

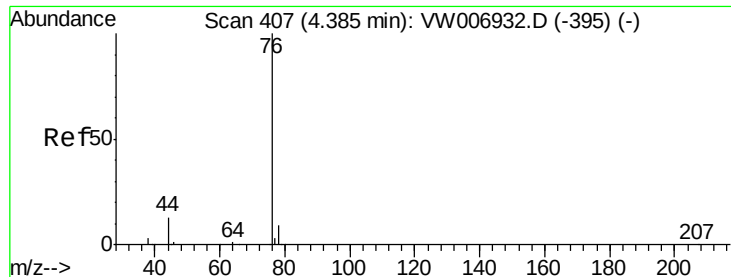
Tgt Ion: 43 Resp: 44694

Ion Ratio Lower Upper

43 100

58 30.3 24.2 36.4





#17

Carbon Disulfide

Concen: 59.138 ug/l

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

Instrument :

MSVOA\_W

ClientSampleId :

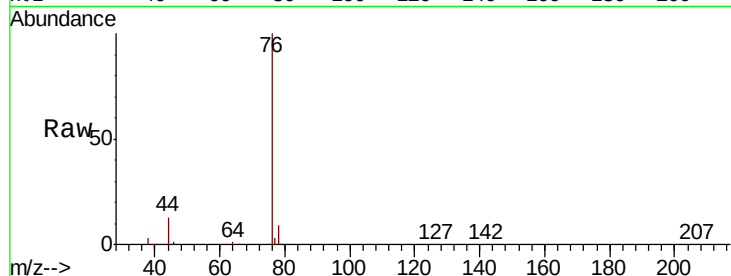
VSTDICCC050

Tgt Ion: 76 Resp: 158406

Ion Ratio Lower Upper

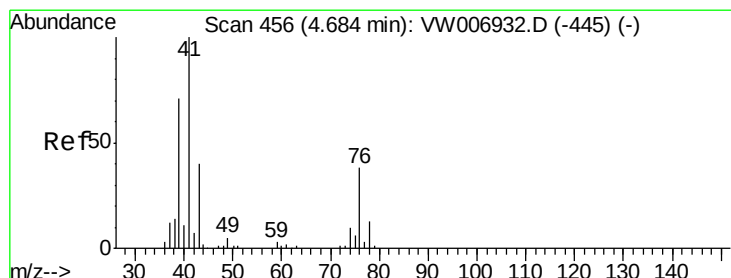
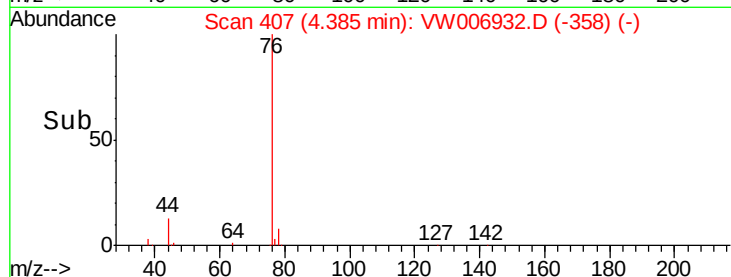
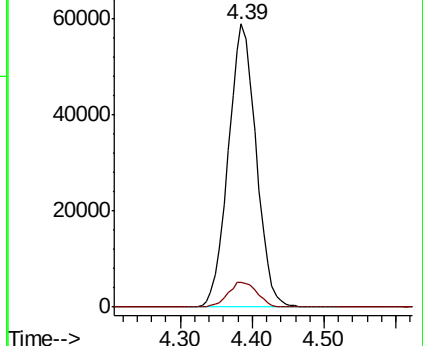
76 100

78 8.9 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 71.624 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.00 min

Lab File: VW006932.D

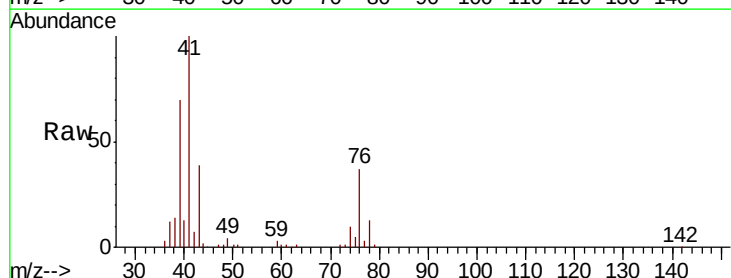
Acq: 17 Nov 2018 00:09

Tgt Ion: 43 Resp: 30861

Ion Ratio Lower Upper

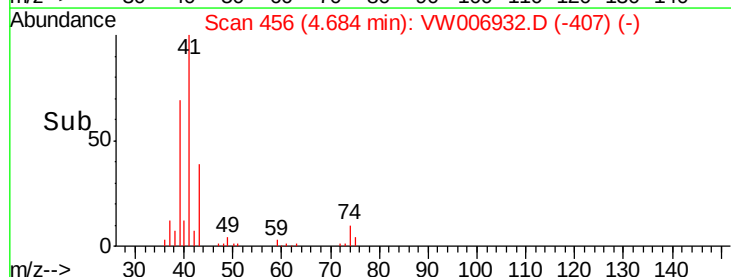
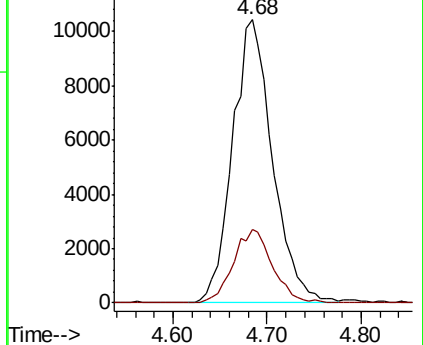
43 100

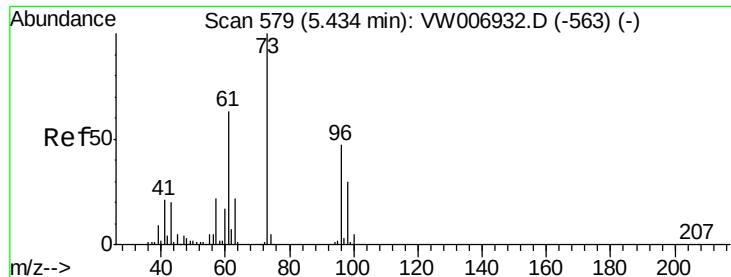
74 25.4 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

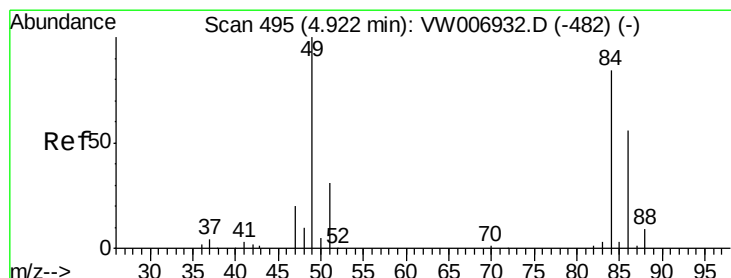
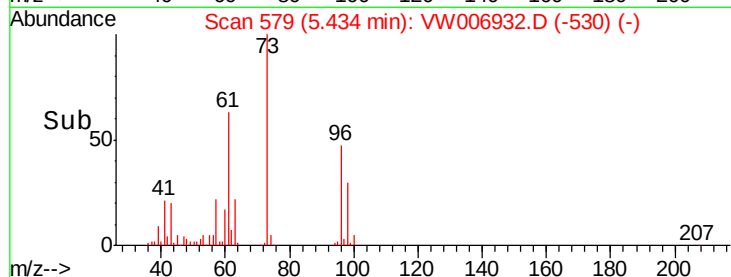
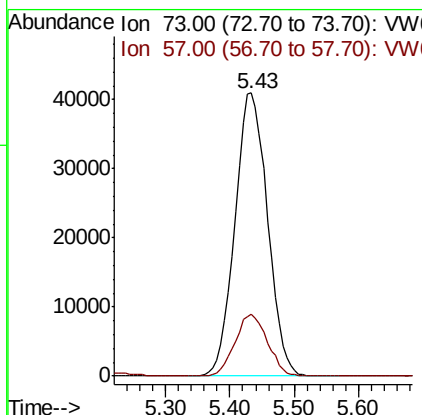
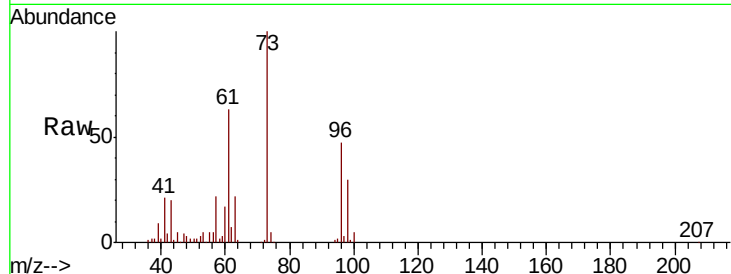




#19  
Methyl tert-butyl Ether  
Concen: 68.447 ug/l  
RT: 5.43 min Scan# 579  
Delta R.T. 0.00 min  
Lab File: VW006932.D  
Acq: 17 Nov 2018 00:09

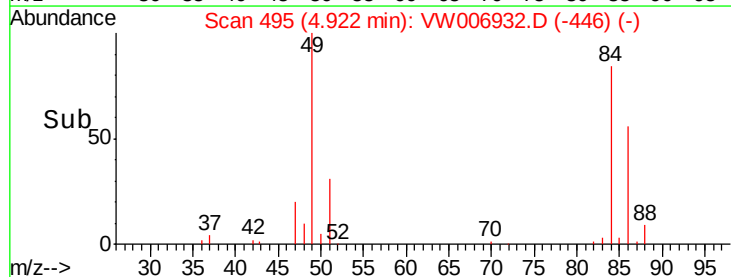
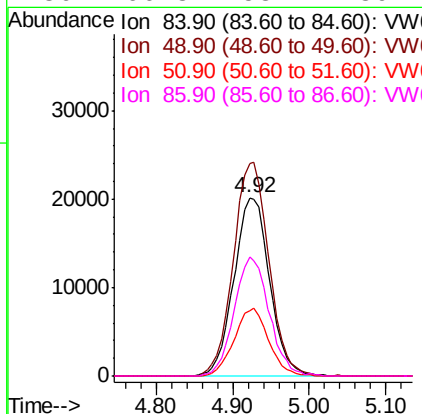
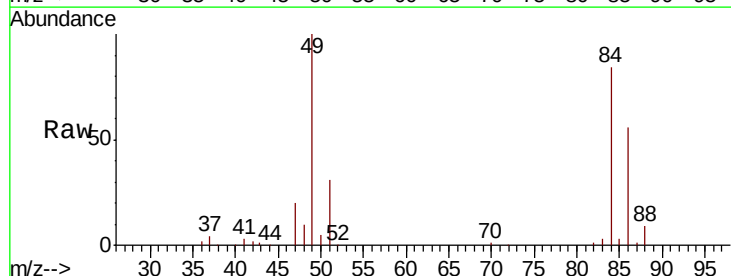
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICCC050

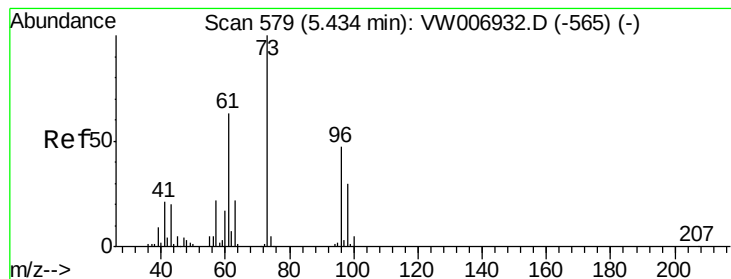
Tgt Ion: 73 Resp: 143604  
Ion Ratio Lower Upper  
73 100  
57 21.9 17.5 26.3



#20  
Methylene Chloride  
Concen: 49.665 ug/l  
RT: 4.92 min Scan# 495  
Delta R.T. 0.00 min  
Lab File: VW006932.D  
Acq: 17 Nov 2018 00:09

Tgt Ion: 84 Resp: 65033  
Ion Ratio Lower Upper  
84 100  
49 119.3 95.4 143.2  
51 36.9 29.5 44.3  
86 66.8 53.4 80.2





#21

trans-1,2-Dichloroethene

Concen: 57.204 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

Instrument :

MSVOA\_W

ClientSampleId :

VSTDICCC050

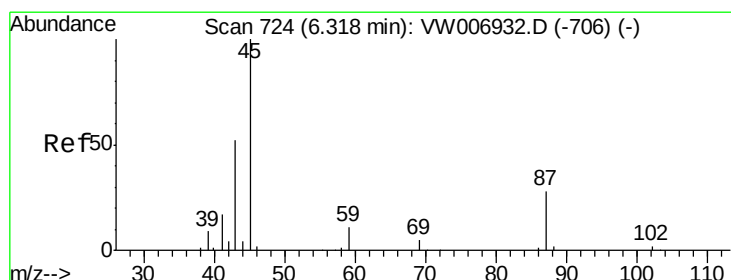
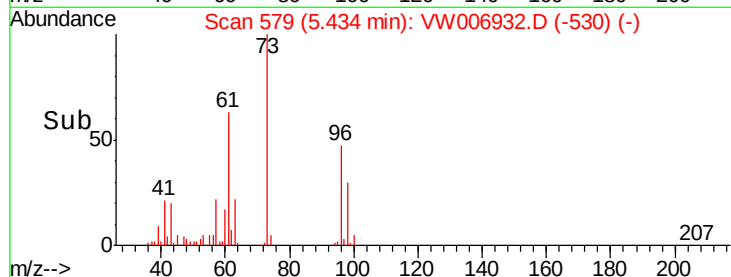
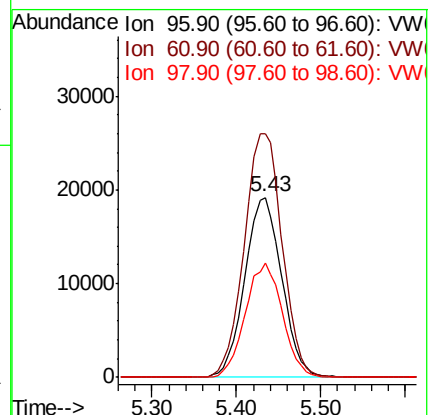
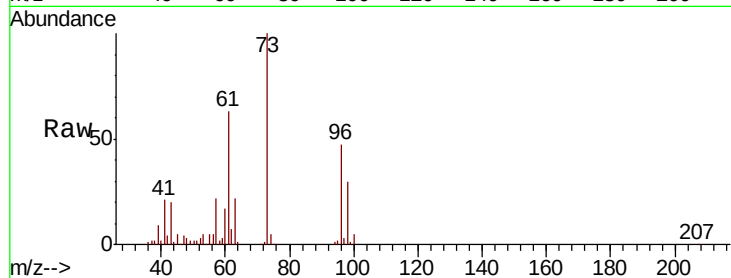
Tgt Ion: 96 Resp: 57214

Ion Ratio Lower Upper

96 100

61 135.3 108.2 162.4

98 63.3 50.6 76.0



#22

Diisopropyl ether

Concen: 71.621 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

Tgt Ion: 45 Resp: 175091

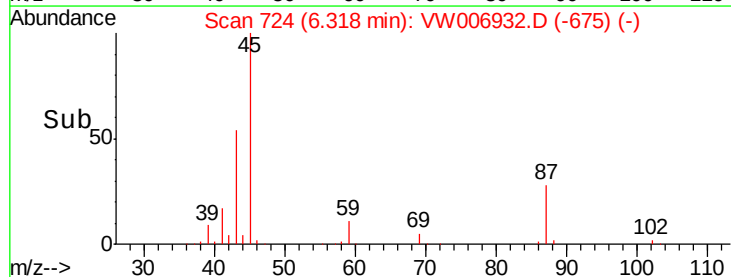
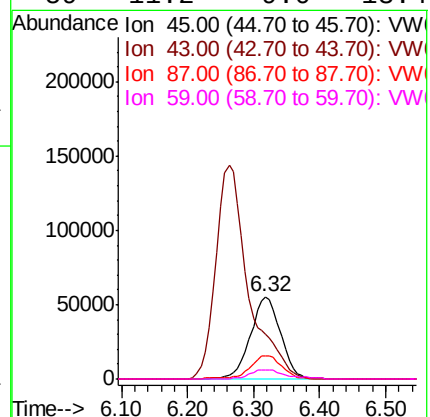
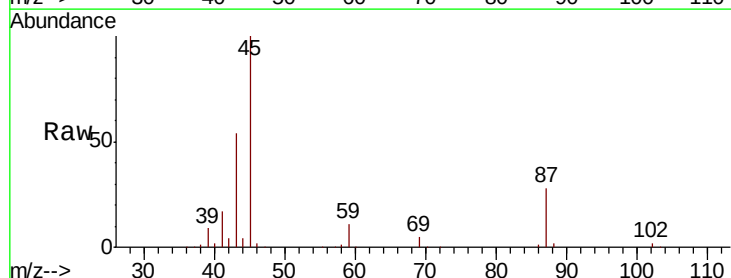
Ion Ratio Lower Upper

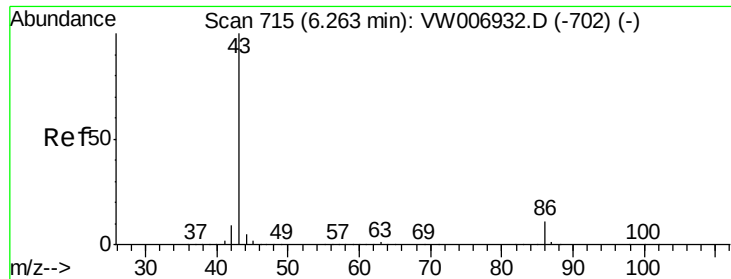
45 100

43 53.9 43.1 64.7

87 28.4 22.7 34.1

59 11.2 9.0 13.4





#23

Vinyl Acetate

Concen: 356.876 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

Instrument :

MSVOA\_W

ClientSampleId :

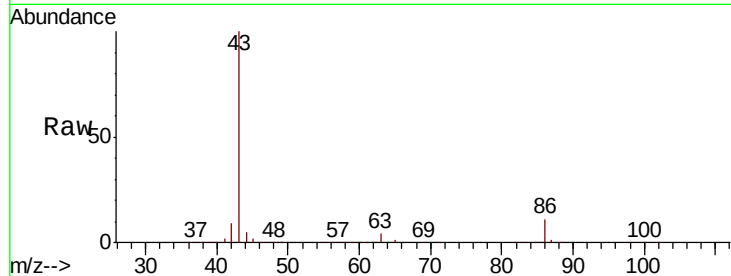
VSTDICCC050

Tgt Ion: 43 Resp: 491291

Ion Ratio Lower Upper

43 100

86 10.9 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

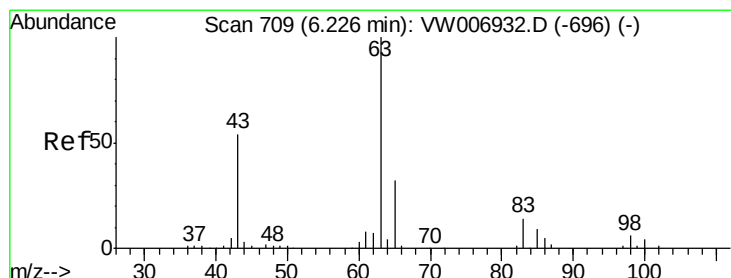
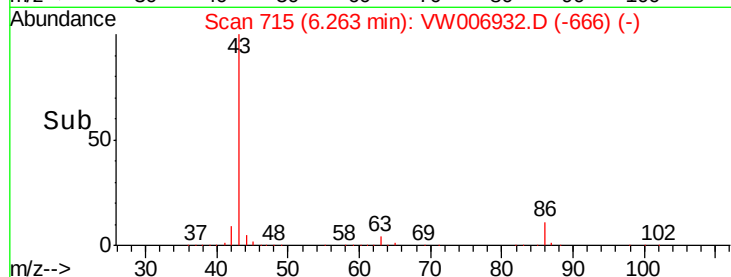
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 63.233 ug/l

RT: 6.23 min Scan# 709

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

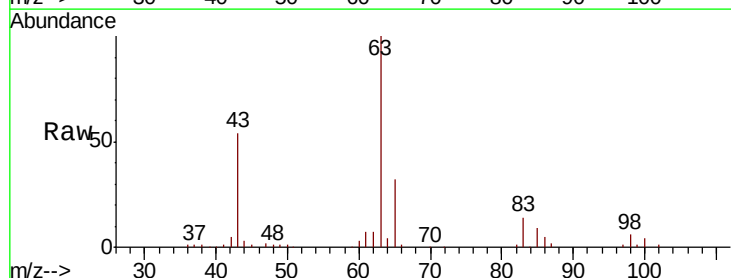
Tgt Ion: 63 Resp: 99580

Ion Ratio Lower Upper

63 100

98 6.4 3.2 9.6

100 4.3 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.23

40000

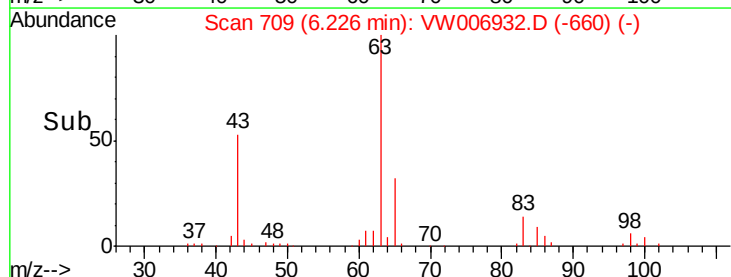
30000

20000

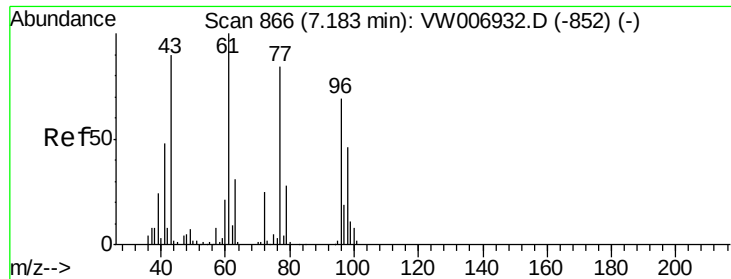
10000

0

Time-->







#25

2-Butanone

Concen: 353.155 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

Instrument :

MSVOA\_W

ClientSampleId :

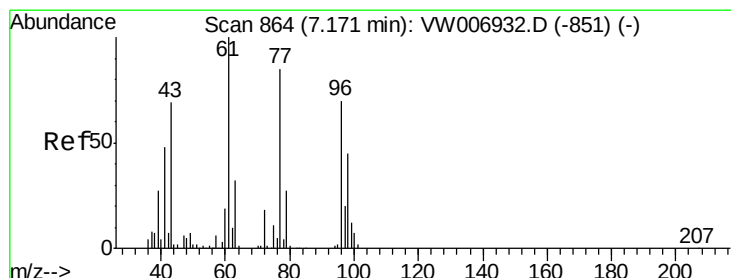
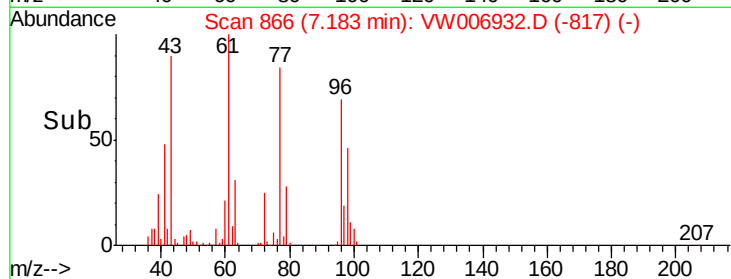
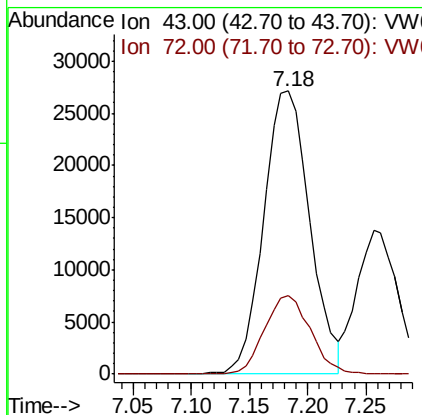
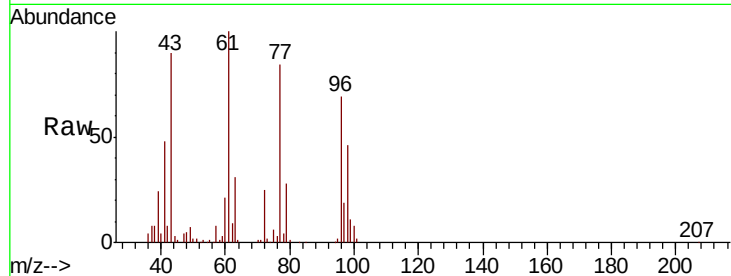
VSTDICCC050

Tgt Ion: 43 Resp: 74453

Ion Ratio Lower Upper

43 100

72 27.6 22.1 33.1



#26

2,2-Dichloropropane

Concen: 54.698 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006932.D

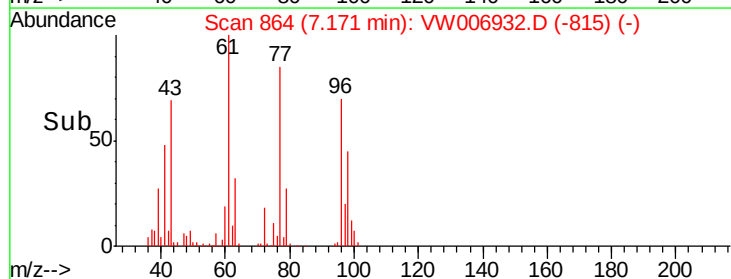
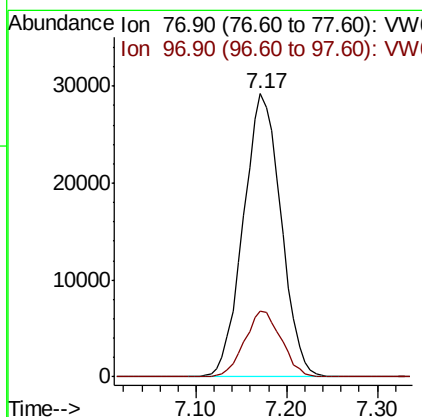
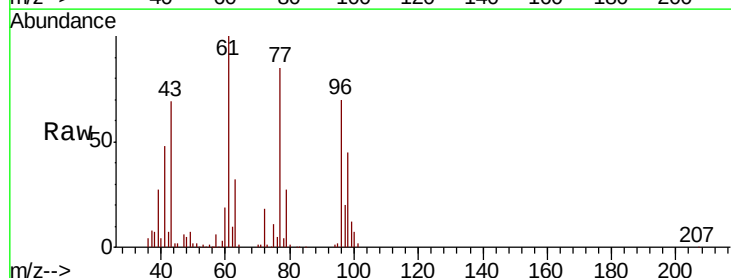
Acq: 17 Nov 2018 00:09

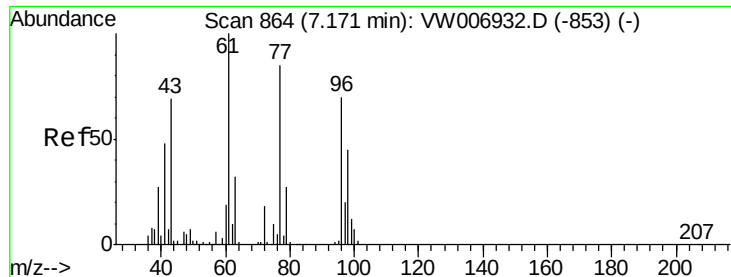
Tgt Ion: 77 Resp: 84075

Ion Ratio Lower Upper

77 100

97 22.6 11.3 33.9

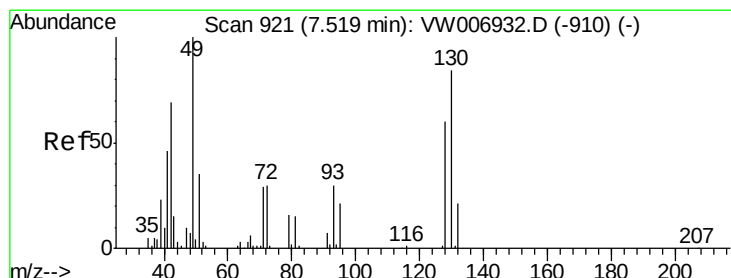
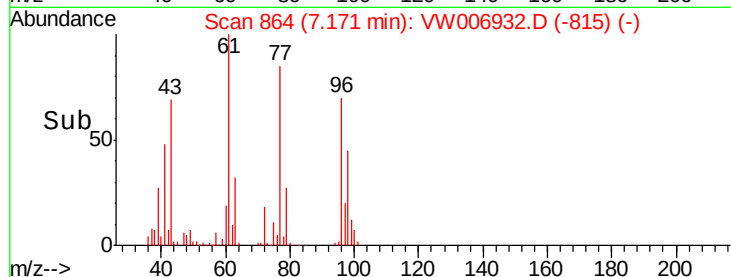
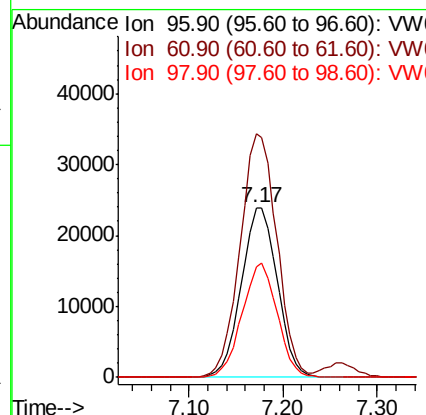
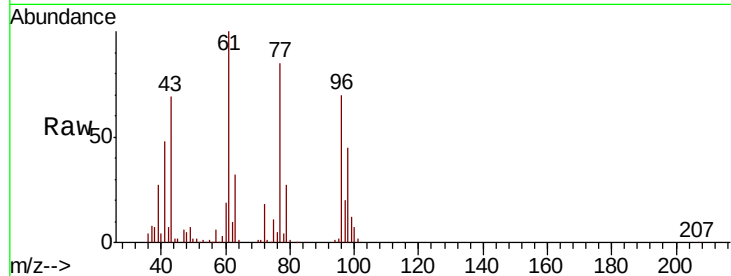




#27  
 cis-1,2-Dichloroethene  
 Concen: 59.120 ug/l  
 RT: 7.17 min Scan# 864  
 Delta R.T. 0.00 min  
 Lab File: VW006932.D  
 Acq: 17 Nov 2018 00:09

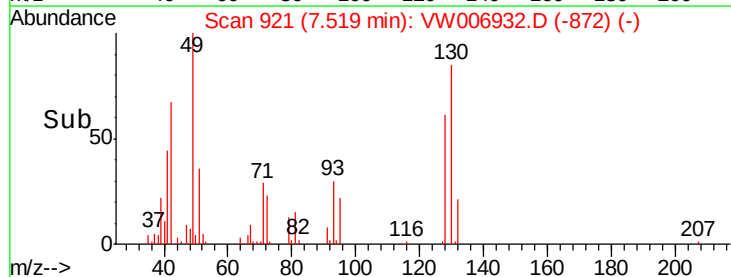
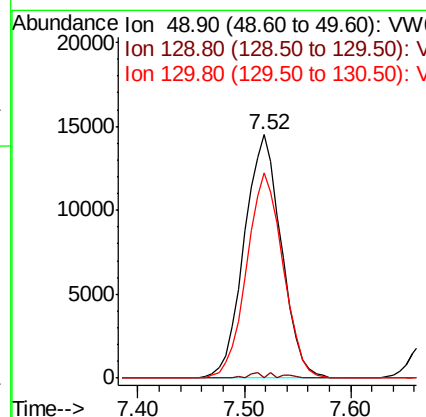
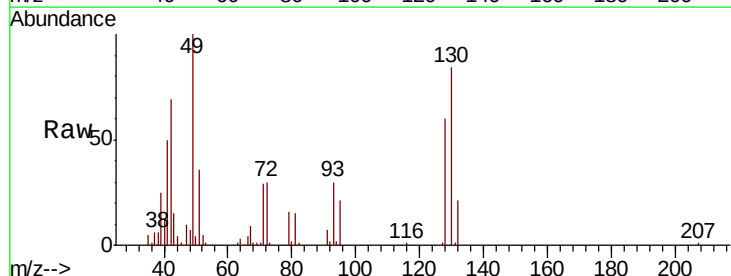
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDICCC050

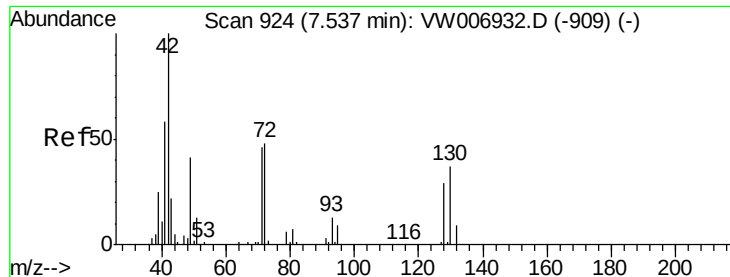
Tgt Ion: 96 Resp: 63515  
 Ion Ratio Lower Upper  
 96 100  
 61 146.9 0.0 293.8  
 98 65.5 0.0 131.0



#28  
 Bromochloromethane  
 Concen: 63.988 ug/l  
 RT: 7.52 min Scan# 921  
 Delta R.T. 0.00 min  
 Lab File: VW006932.D  
 Acq: 17 Nov 2018 00:09

Tgt Ion: 49 Resp: 35481  
 Ion Ratio Lower Upper  
 49 100  
 129 0.8 0.0 1.6  
 130 82.6 66.1 99.1

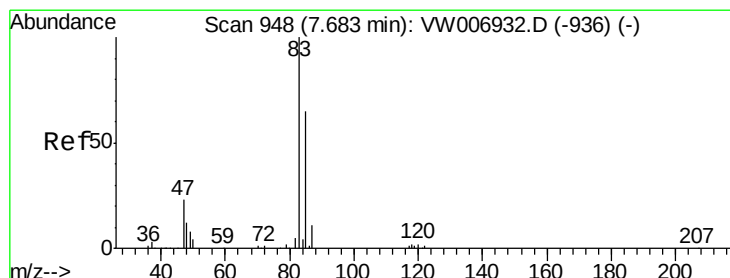
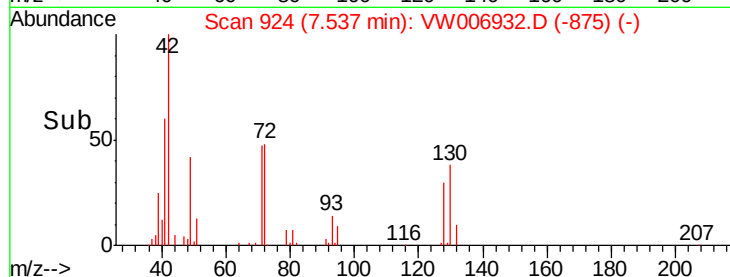
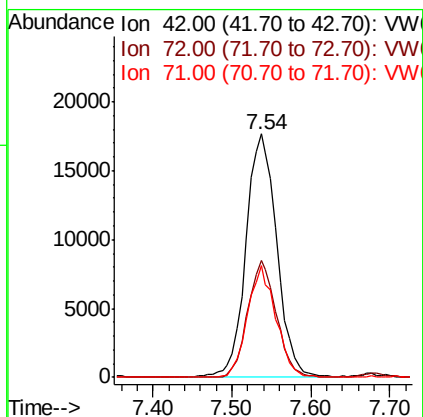
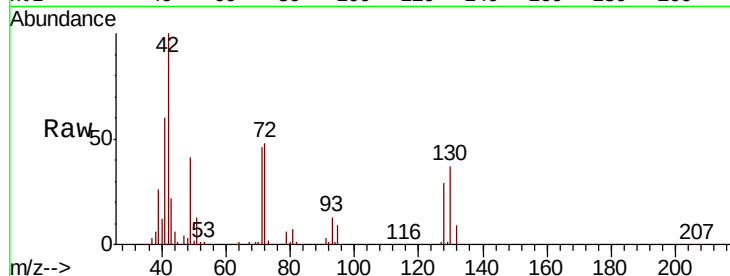




#29  
Tetrahydrofuran  
Concen: 355.573 ug/l  
RT: 7.54 min Scan# 924  
Delta R.T. 0.00 min  
Lab File: VW006932.D  
Acq: 17 Nov 2018 00:09

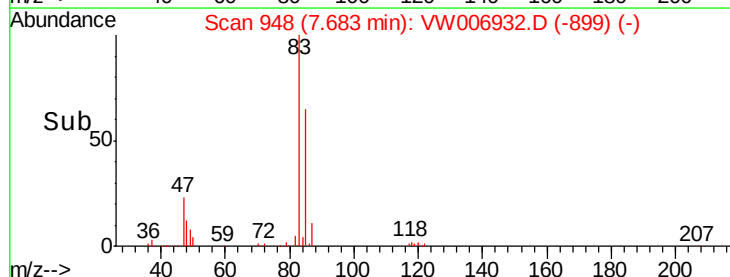
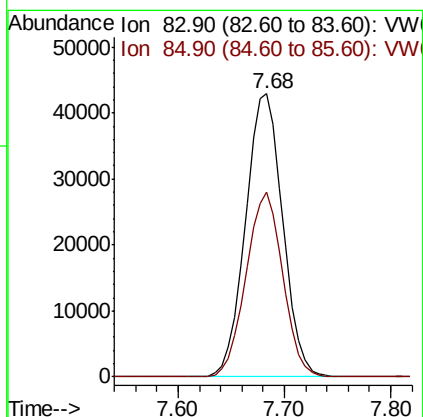
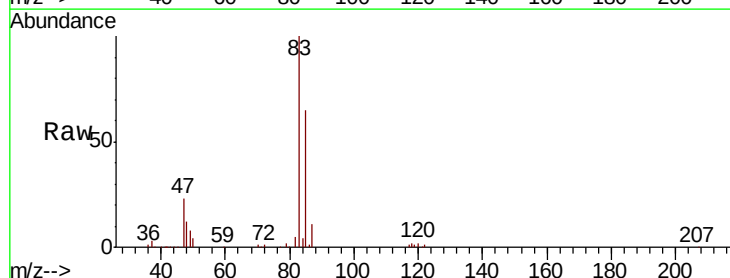
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICCC050

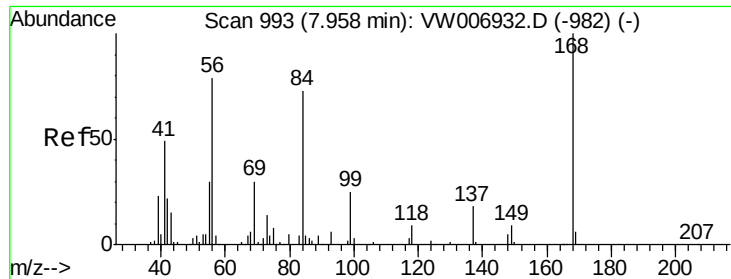
Tgt Ion: 42 Resp: 47989  
Ion Ratio Lower Upper  
42 100  
72 44.6 35.7 53.5  
71 42.1 33.7 50.5



#30  
Chloroform  
Concen: 61.619 ug/l  
RT: 7.68 min Scan# 948  
Delta R.T. 0.00 min  
Lab File: VW006932.D  
Acq: 17 Nov 2018 00:09

Tgt Ion: 83 Resp: 105183  
Ion Ratio Lower Upper  
83 100  
85 65.3 52.2 78.4

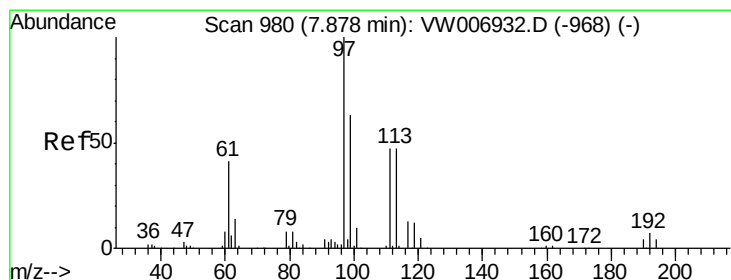
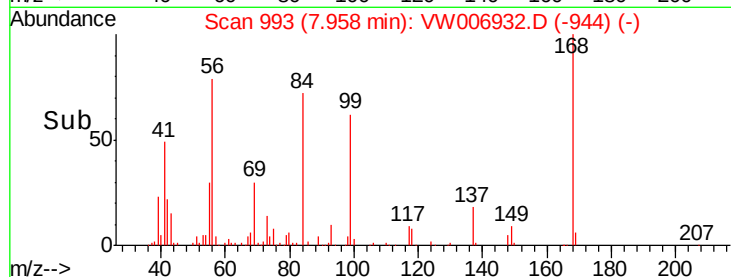
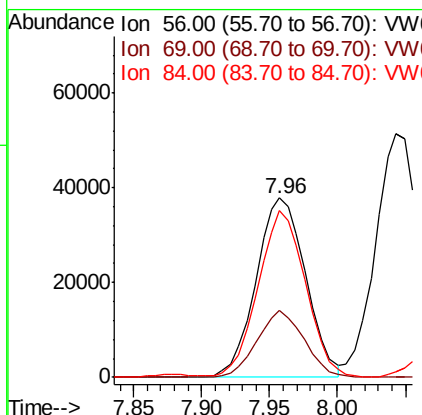
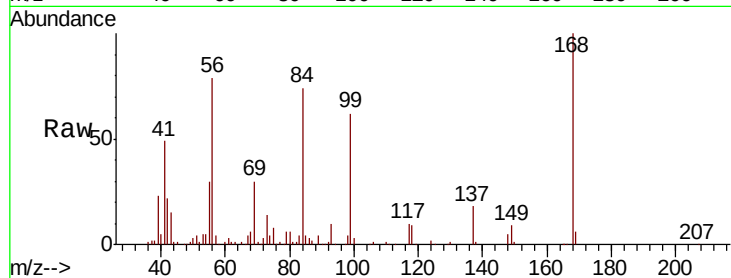




#31  
Cyclohexane  
Concen: 60.318 ug/l  
RT: 7.96 min Scan# 993  
Delta R.T. 0.00 min  
Lab File: VW006932.D  
Acq: 17 Nov 2018 00:09

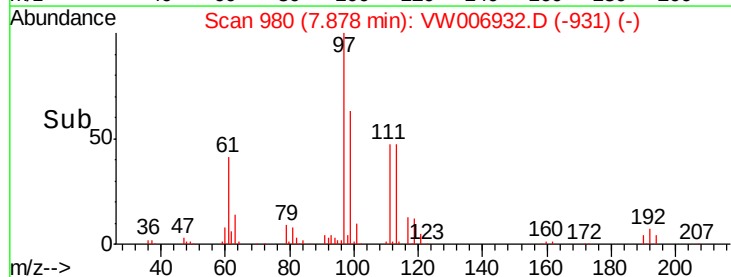
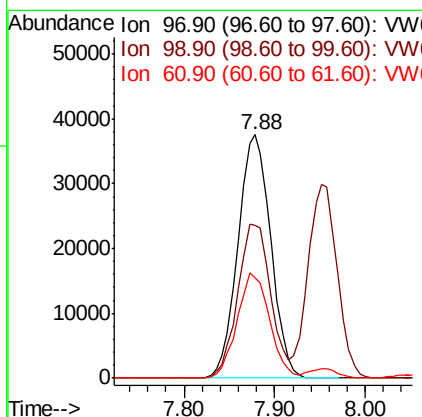
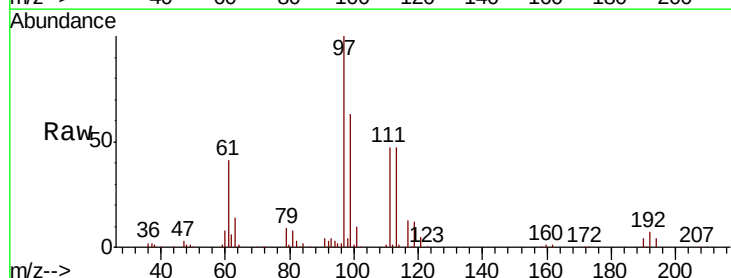
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICCC050

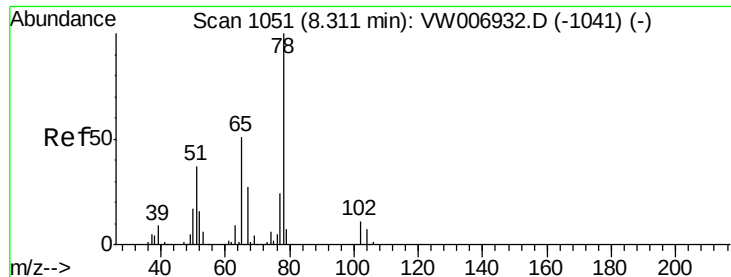
Tgt Ion: 56 Resp: 96135  
Ion Ratio Lower Upper  
56 100  
69 37.7 30.2 45.2  
84 92.0 73.6 110.4



#32  
1,1,1-Trichloroethane  
Concen: 58.029 ug/l  
RT: 7.88 min Scan# 980  
Delta R.T. 0.00 min  
Lab File: VW006932.D  
Acq: 17 Nov 2018 00:09

Tgt Ion: 97 Resp: 94040  
Ion Ratio Lower Upper  
97 100  
99 63.8 51.0 76.6  
61 42.7 34.2 51.2

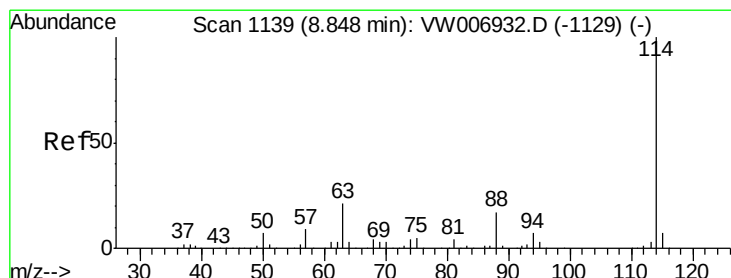
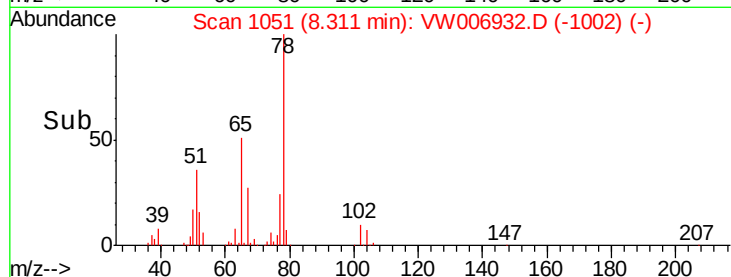
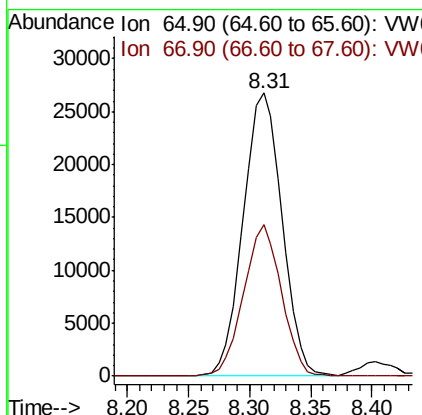
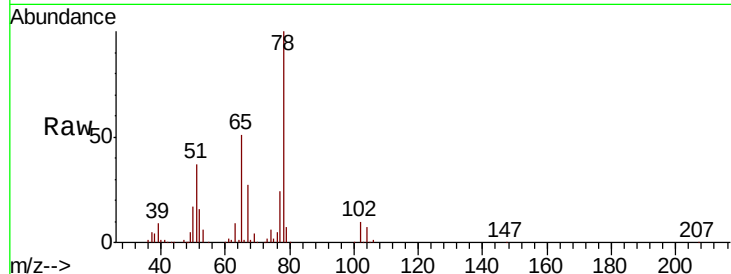




#33  
 1,2-Dichloroethane-d4  
 Concen: 68.158 ug/l  
 RT: 8.31 min Scan# 1051  
 Delta R.T. 0.00 min  
 Lab File: VW006932.D  
 Acq: 17 Nov 2018 00:09

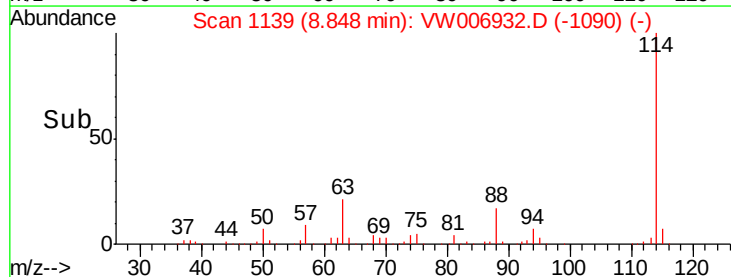
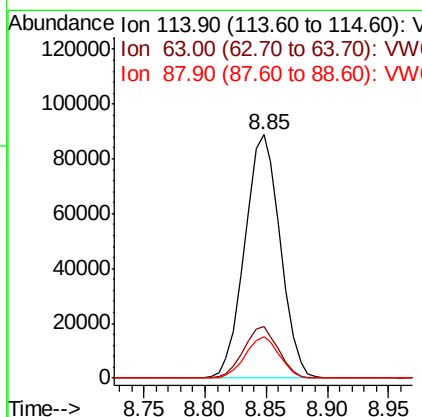
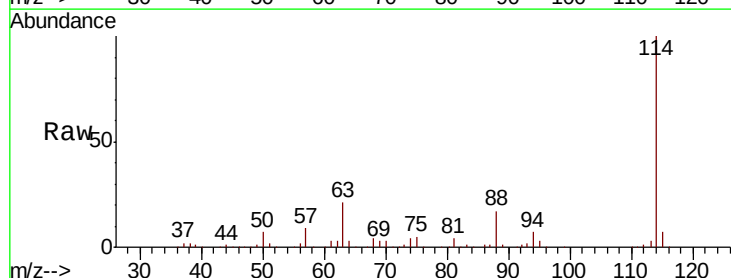
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDICCC050

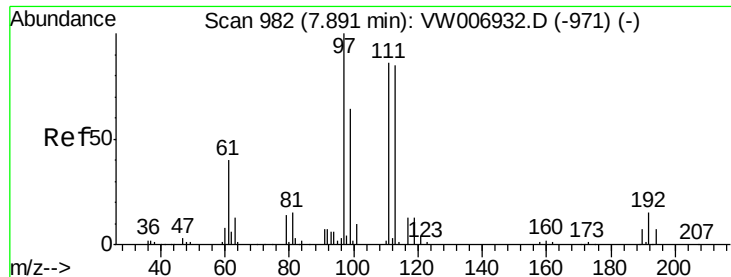
Tgt Ion: 65 Resp: 59287  
 Ion Ratio Lower Upper  
 65 100  
 67 52.0 0.0 104.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. 0.00 min  
 Lab File: VW006932.D  
 Acq: 17 Nov 2018 00:09

Tgt Ion: 114 Resp: 179323  
 Ion Ratio Lower Upper  
 114 100  
 63 21.1 0.0 42.2  
 88 16.7 0.0 33.4

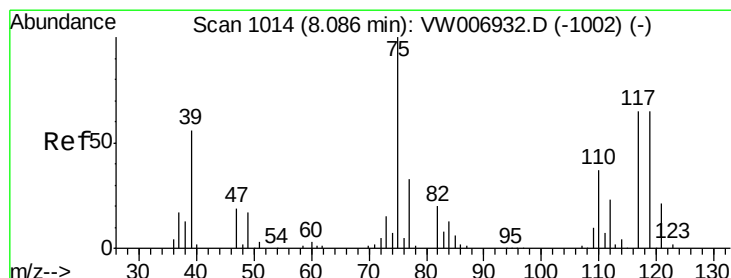
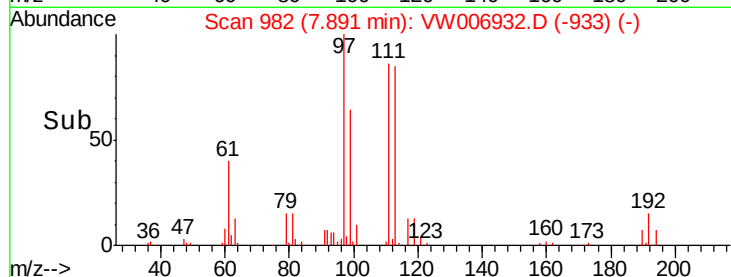
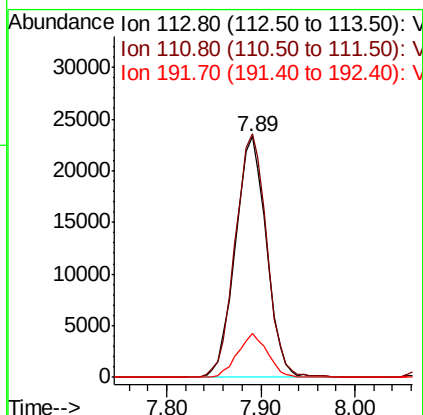
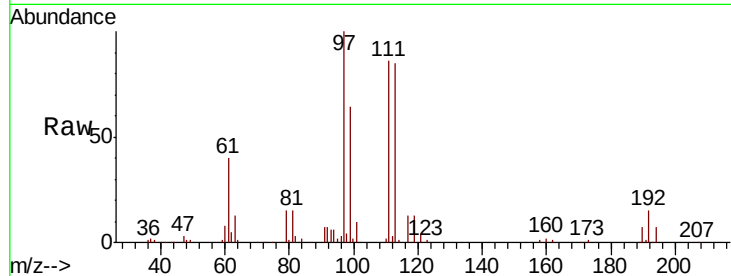




#35  
 Dibromofluoromethane  
 Concen: 49.818 ug/l  
 RT: 7.89 min Scan# 982  
 Delta R.T. 0.00 min  
 Lab File: VW006932.D  
 Acq: 17 Nov 2018 00:09

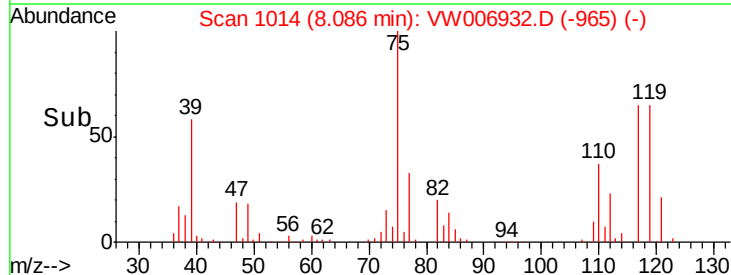
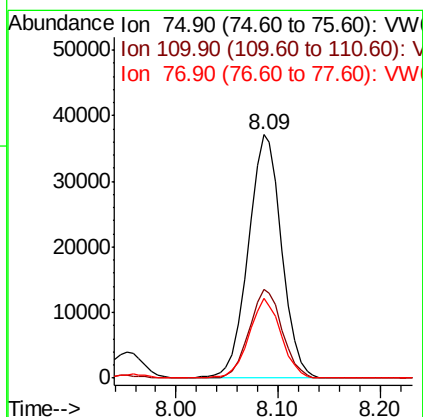
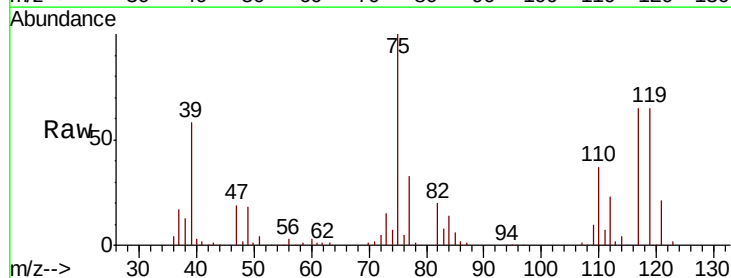
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDICCC050

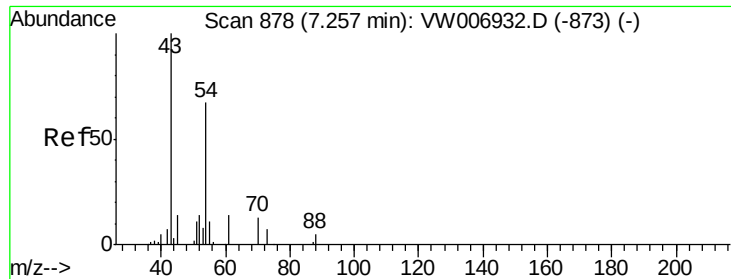
Tgt Ion: 113 Resp: 53878  
 Ion Ratio Lower Upper  
 113 100  
 111 102.1 81.7 122.5  
 192 17.4 13.9 20.9



#36  
 1,1-Dichloropropene  
 Concen: 50.079 ug/l  
 RT: 8.09 min Scan# 1014  
 Delta R.T. 0.00 min  
 Lab File: VW006932.D  
 Acq: 17 Nov 2018 00:09

Tgt Ion: 75 Resp: 84138  
 Ion Ratio Lower Upper  
 75 100  
 110 36.1 18.1 54.1  
 77 31.7 25.4 38.0

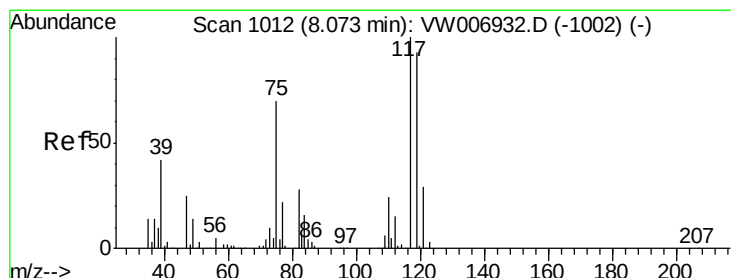
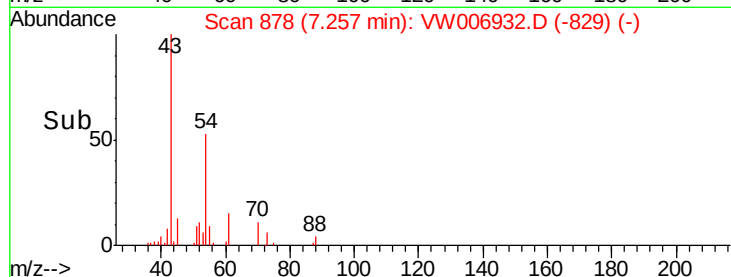
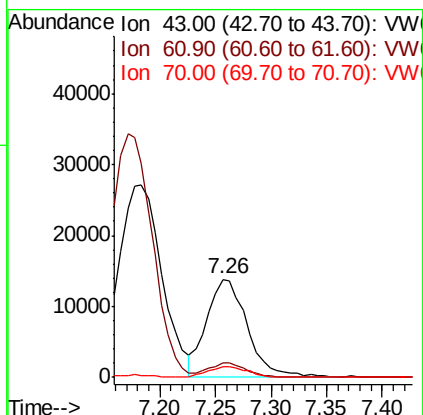
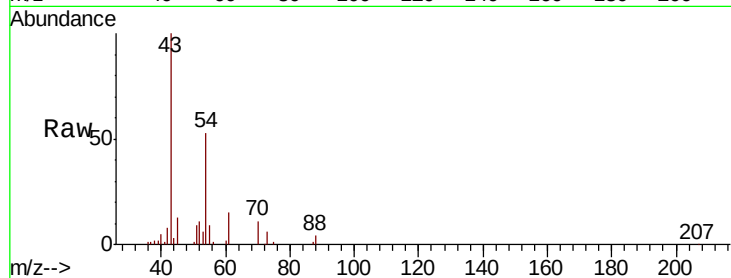




#37  
Ethyl Acetate  
Concen: 60.183 ug/l  
RT: 7.26 min Scan# 878  
Delta R.T. 0.00 min  
Lab File: VW006932.D  
Acq: 17 Nov 2018 00:09

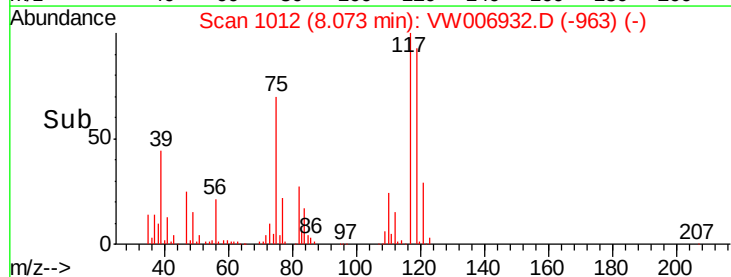
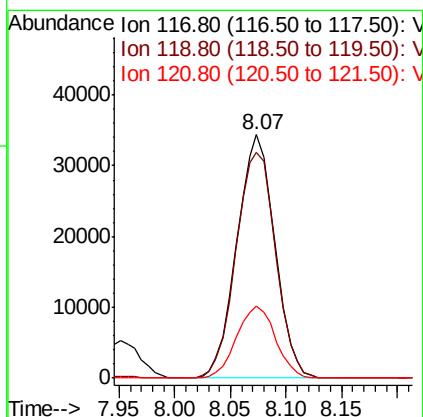
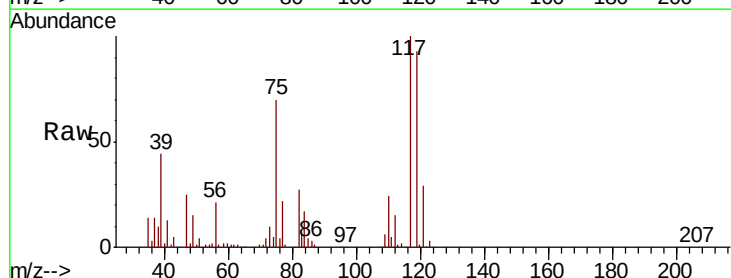
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICCC050

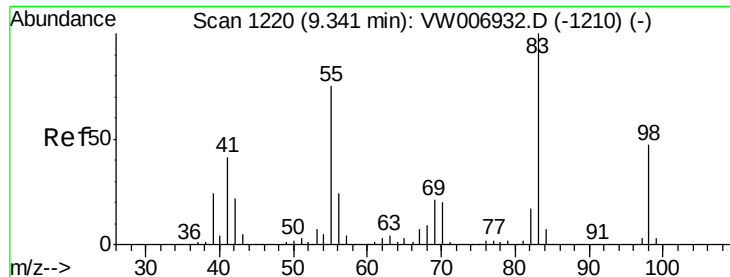
Tgt Ion: 43 Resp: 34538  
Ion Ratio Lower Upper  
43 100  
61 13.8 11.0 16.6  
70 11.0 8.8 13.2



#38  
Carbon Tetrachloride  
Concen: 45.356 ug/l  
RT: 8.07 min Scan# 1012  
Delta R.T. 0.00 min  
Lab File: VW006932.D  
Acq: 17 Nov 2018 00:09

Tgt Ion: 117 Resp: 81422  
Ion Ratio Lower Upper  
117 100  
119 92.8 74.2 111.4  
121 29.4 23.5 35.3





#39

Methylcyclohexane

Concen: 49.041 ug/l

RT: 9.34 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

Instrument :

MSVOA\_W

ClientSampleId :

VSTDICCC050

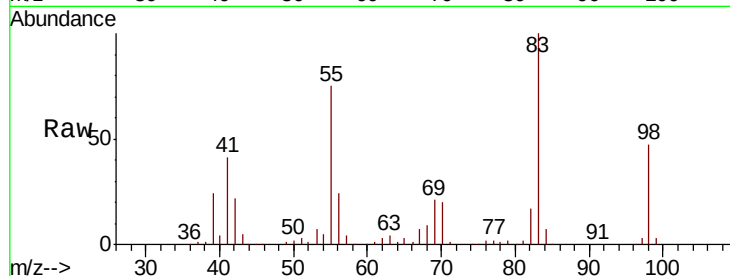
Tgt Ion: 83 Resp: 105644

Ion Ratio Lower Upper

83 100

55 75.3 60.2 90.4

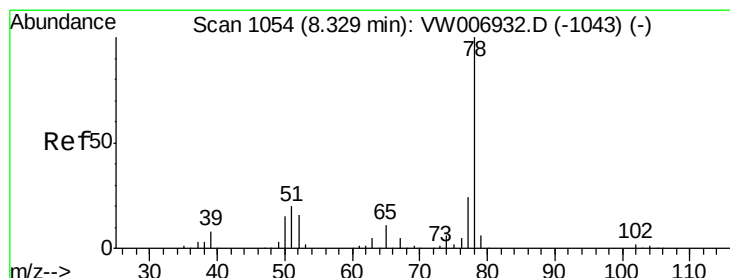
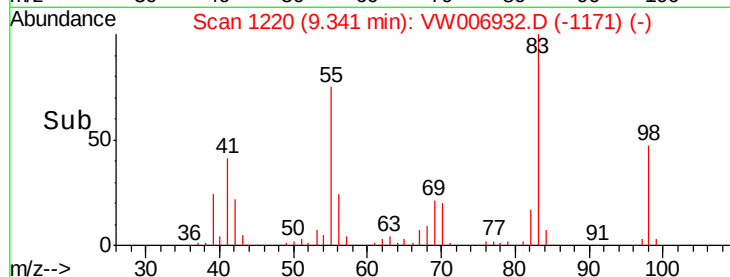
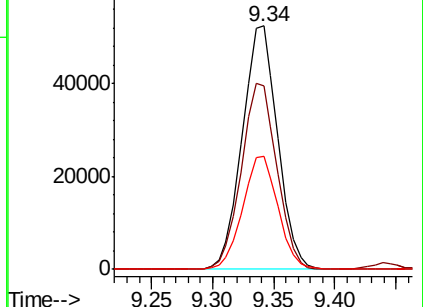
98 46.6 37.3 55.9



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW



#40

Benzene

Concen: 51.826 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VW006932.D

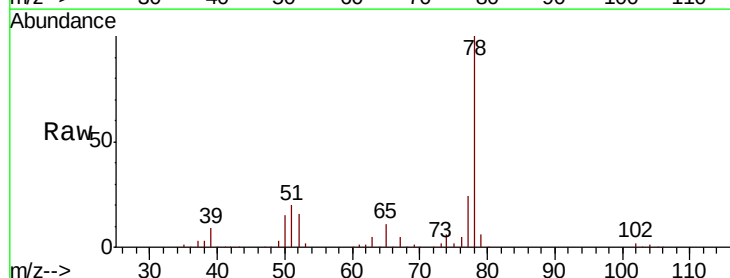
Acq: 17 Nov 2018 00:09

Tgt Ion: 78 Resp: 243251

Ion Ratio Lower Upper

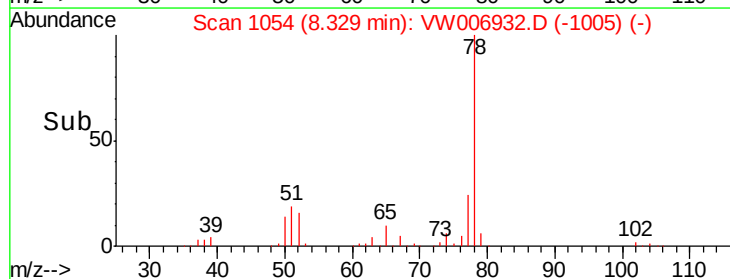
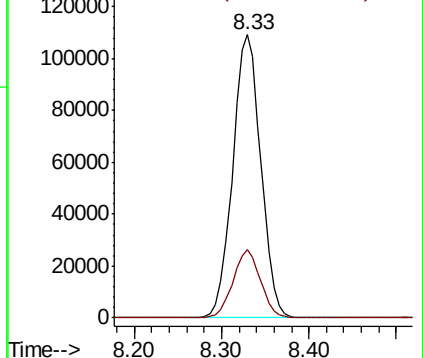
78 100

77 24.1 19.3 28.9

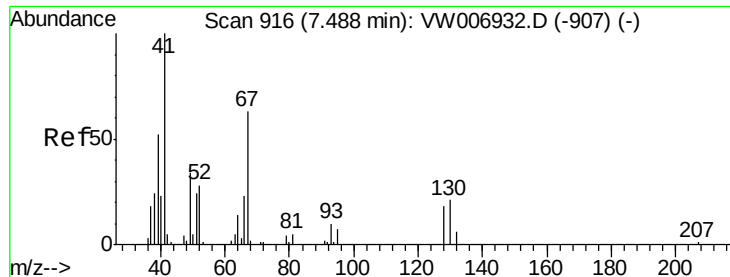


Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW



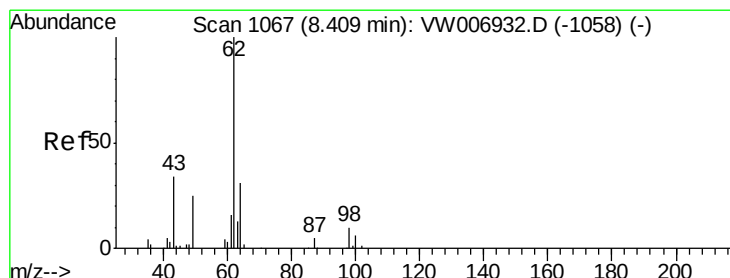
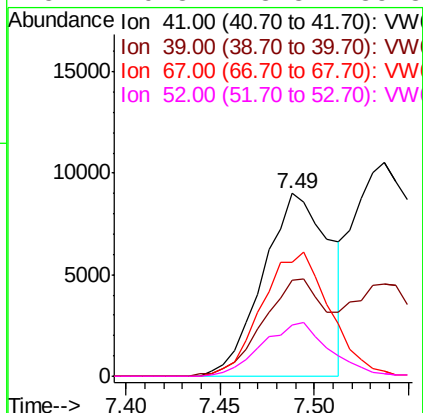
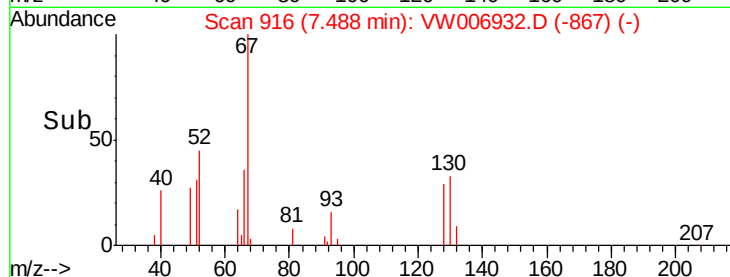
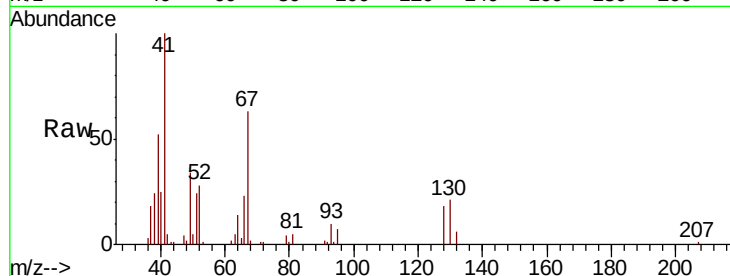




#41  
Methacrylonitrile  
Concen: 62.815 ug/l  
RT: 7.49 min Scan# 916  
Delta R.T. 0.00 min  
Lab File: VW006932.D  
Acq: 17 Nov 2018 00:09

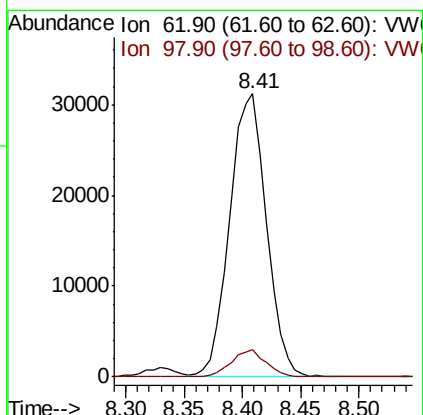
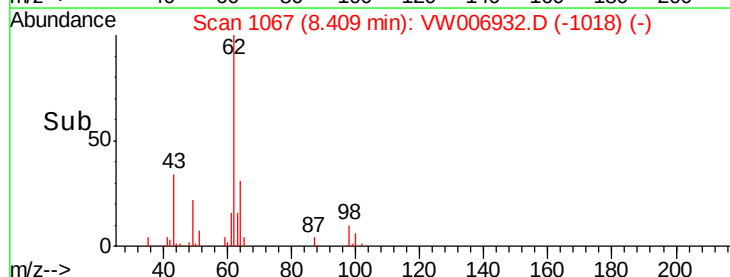
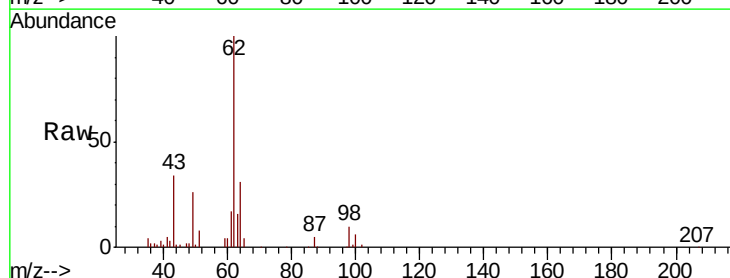
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICCC050

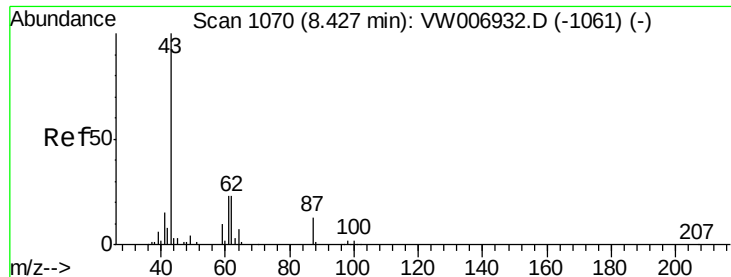
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 22240 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 52.2  | 41.8  | 62.6  |
| 67       | 68.4  | 54.7  | 82.1  |
| 52       | 29.8  | 23.8  | 35.8  |



#42  
1,2-Dichloroethane  
Concen: 53.747 ug/l  
RT: 8.41 min Scan# 1067  
Delta R.T. 0.00 min  
Lab File: VW006932.D  
Acq: 17 Nov 2018 00:09

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 68637 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 9.1   | 0.0   | 18.2  |





#43

Isopropyl Acetate

Concen: 61.244 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

Instrument :

MSVOA\_W

ClientSampleId :

VSTDICCC050

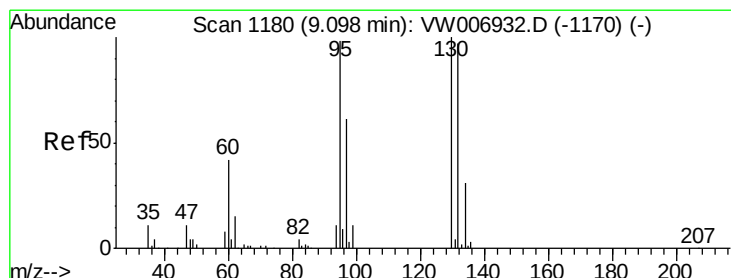
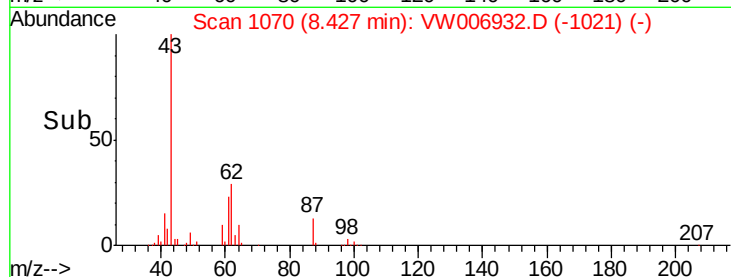
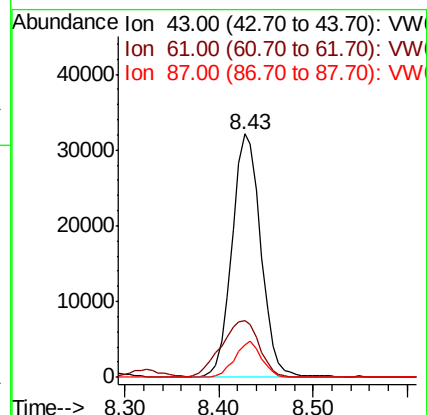
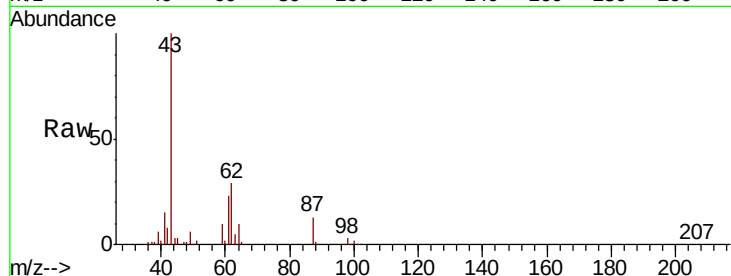
Tgt Ion: 43 Resp: 68458

Ion Ratio Lower Upper

43 100

61 30.8 24.6 37.0

87 13.8 11.0 16.6



#44

Trichloroethene

Concen: 44.672 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW006932.D

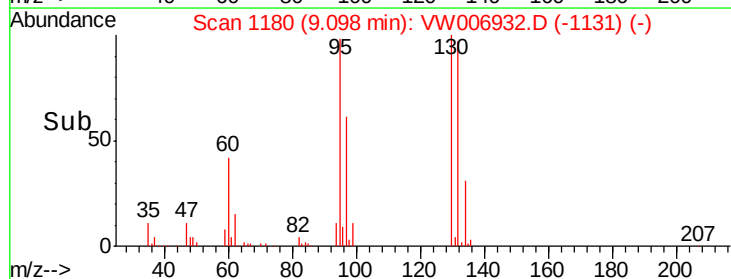
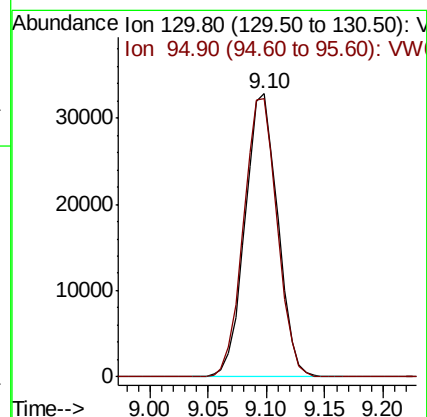
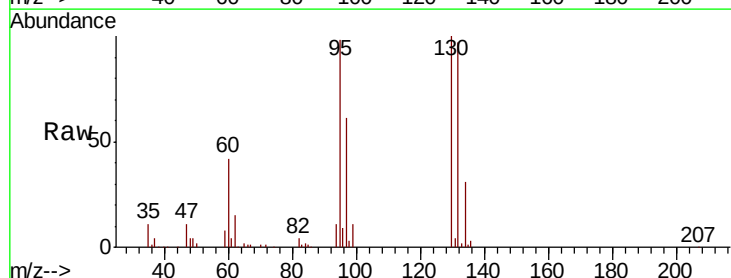
Acq: 17 Nov 2018 00:09

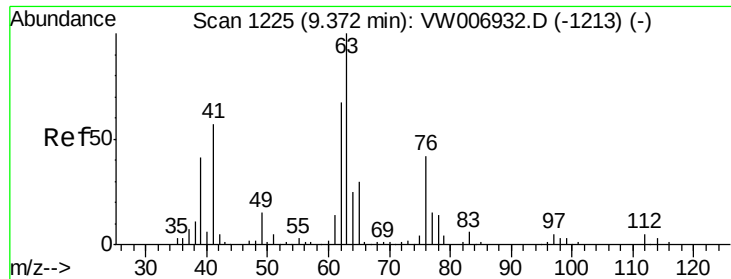
Tgt Ion: 130 Resp: 64596

Ion Ratio Lower Upper

130 100

95 98.2 0.0 196.4

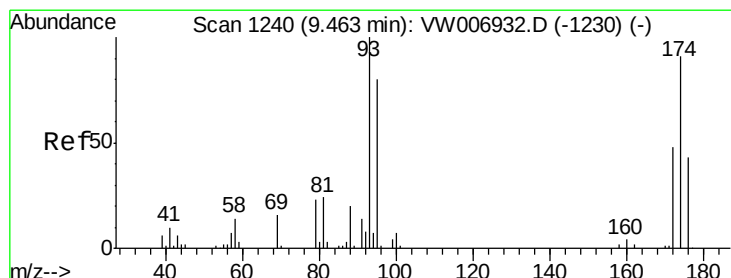
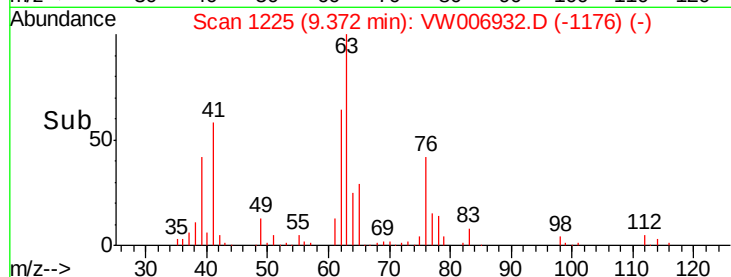
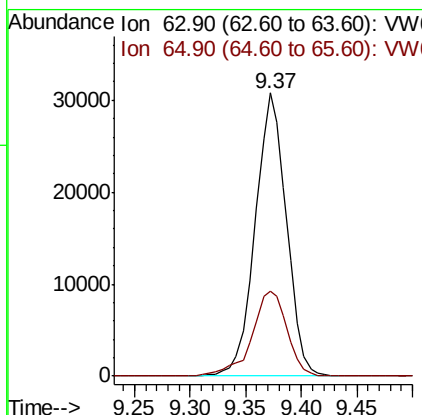
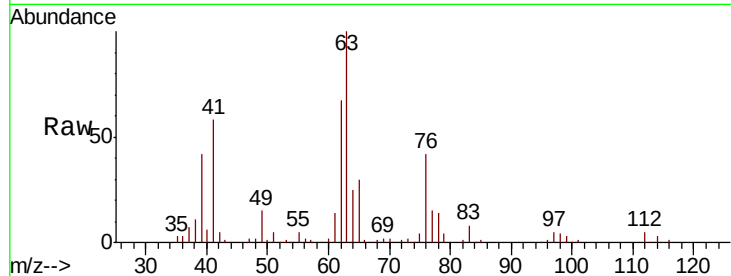




#45  
 1,2-Dichloropropane  
 Concen: 54.288 ug/l  
 RT: 9.37 min Scan# 1225  
 Delta R.T. 0.00 min  
 Lab File: VW006932.D  
 Acq: 17 Nov 2018 00:09

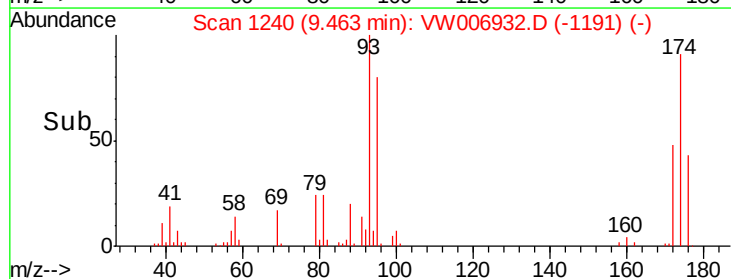
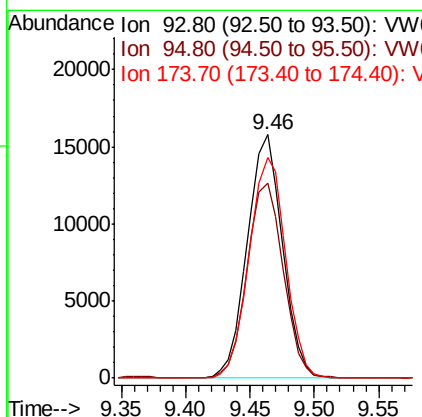
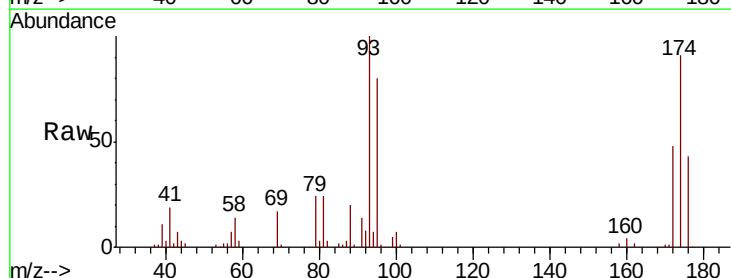
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 MSVOA\_W  
 ClientSampleId :  
 VSTDICCC050

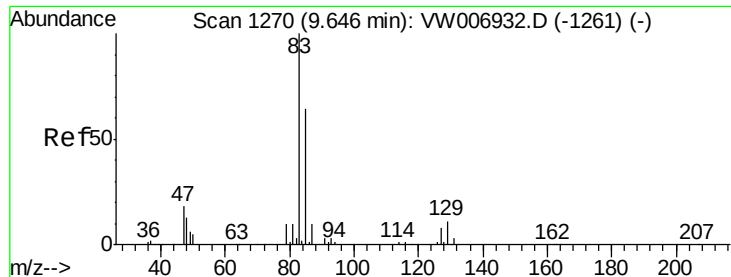
Tgt Ion: 63 Resp: 60079  
 Ion Ratio Lower Upper  
 63 100  
 65 29.9 23.9 35.9



#46  
 Dibromomethane  
 Concen: 49.133 ug/l  
 RT: 9.46 min Scan# 1240  
 Delta R.T. 0.00 min  
 Lab File: VW006932.D  
 Acq: 17 Nov 2018 00:09

Tgt Ion: 93 Resp: 29817  
 Ion Ratio Lower Upper  
 93 100  
 95 82.1 65.7 98.5  
 174 93.7 75.0 112.4

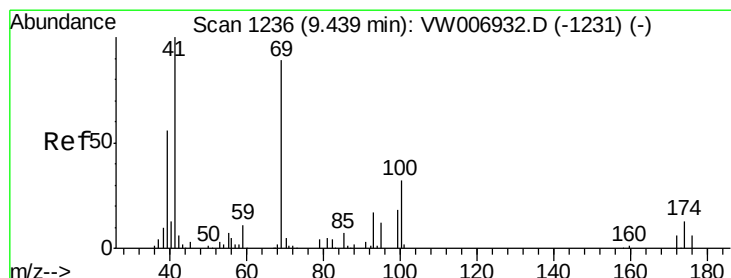
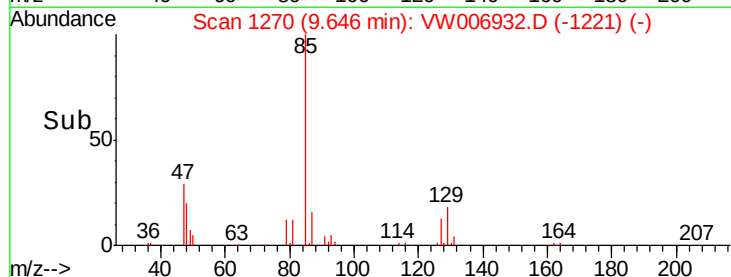
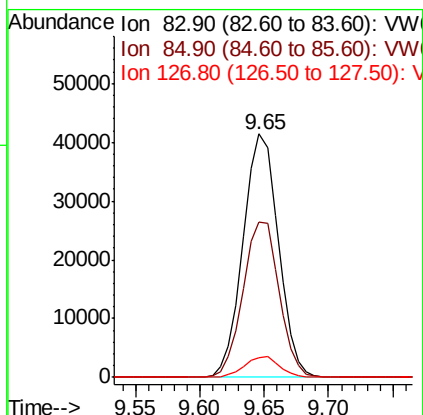
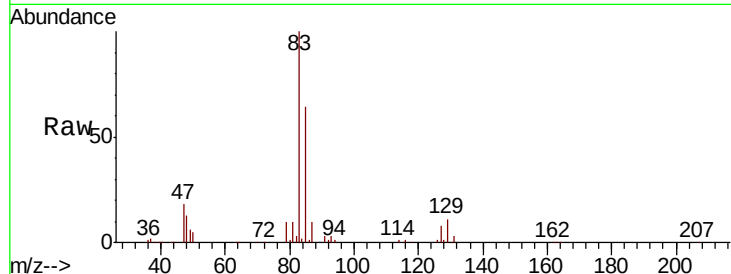




#47  
 Bromodichloromethane  
 Concen: 51.849 ug/l  
 RT: 9.65 min Scan# 1270  
 Delta R.T. 0.00 min  
 Lab File: VW006932.D  
 Acq: 17 Nov 2018 00:09

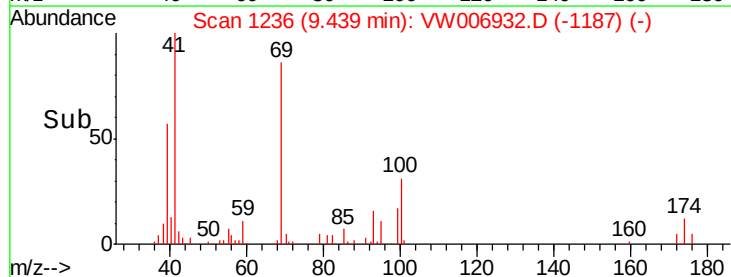
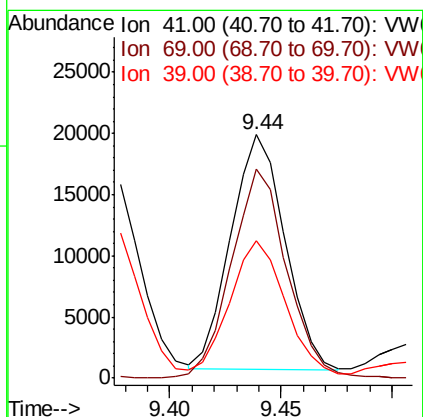
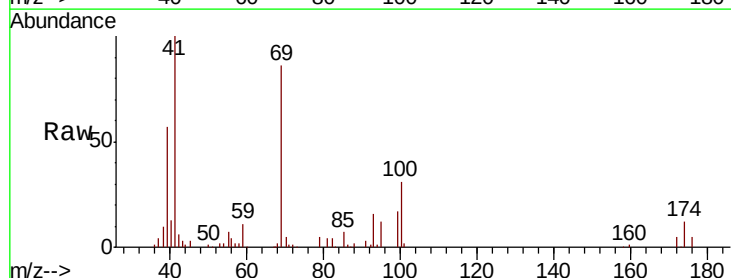
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDICCC050

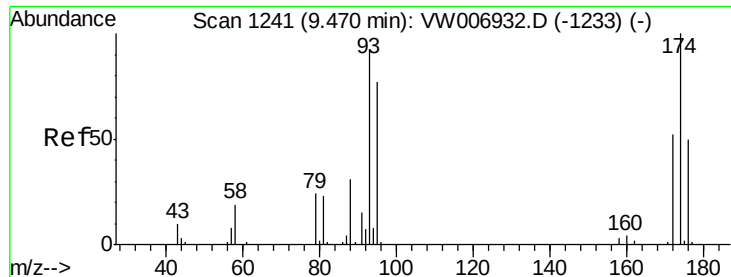
Tgt Ion: 83 Resp: 78672  
 Ion Ratio Lower Upper  
 83 100  
 85 63.5 50.8 76.2  
 127 8.3 6.6 10.0



#48  
 Methyl methacrylate  
 Concen: 59.678 ug/l  
 RT: 9.44 min Scan# 1236  
 Delta R.T. 0.00 min  
 Lab File: VW006932.D  
 Acq: 17 Nov 2018 00:09

Tgt Ion: 41 Resp: 32451  
 Ion Ratio Lower Upper  
 41 100  
 69 91.7 73.4 110.0  
 39 57.6 46.1 69.1

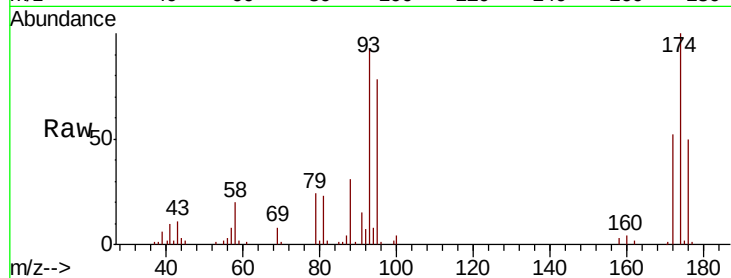




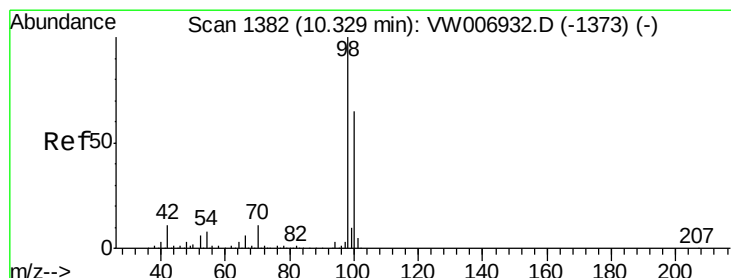
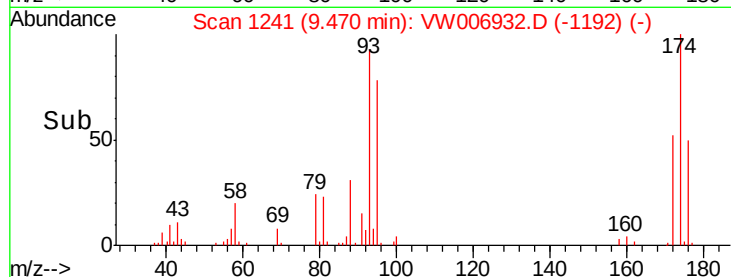
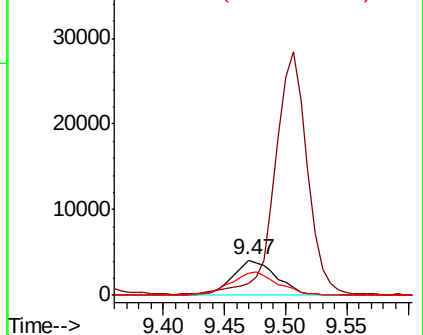
#49  
1,4-Dioxane  
Concen: 1106.251 ug/l  
RT: 9.47 min Scan# 1241  
Delta R.T. 0.00 min  
Lab File: VW006932.D  
Acq: 17 Nov 2018 00:09

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICCC050

Tgt Ion: 88 Resp: 10186  
Ion Ratio Lower Upper  
88 100  
43 0.0 0.0 0.0  
58 71.8 57.4 86.2

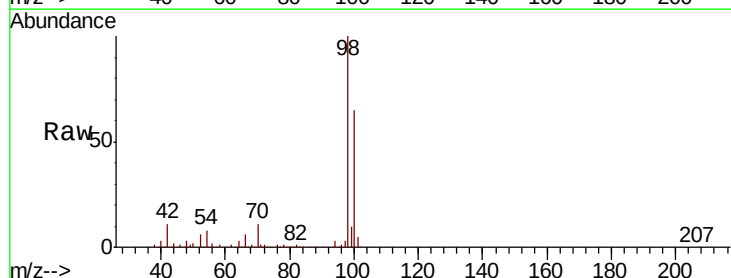


Abundance Ion 88.00 (87.70 to 88.70): VW  
Ion 43.00 (42.70 to 43.70): VW  
Ion 58.00 (57.70 to 58.70): VW

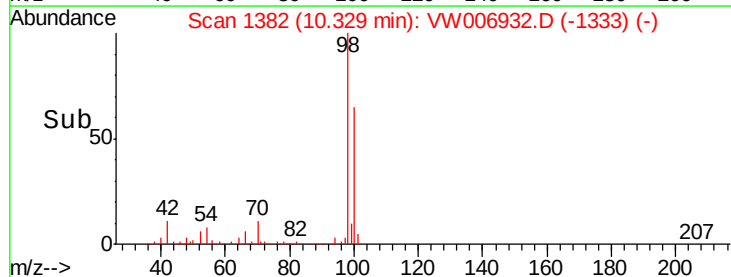
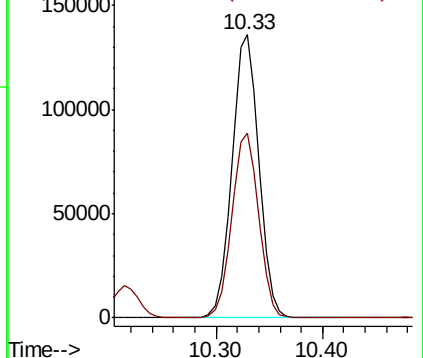


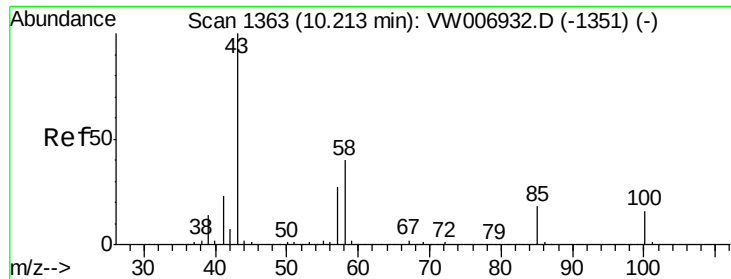
#50  
Toluene-d8  
Concen: 53.204 ug/l  
RT: 10.33 min Scan# 1382  
Delta R.T. 0.00 min  
Lab File: VW006932.D  
Acq: 17 Nov 2018 00:09

Tgt Ion: 98 Resp: 239867  
Ion Ratio Lower Upper  
98 100  
100 65.4 52.3 78.5



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

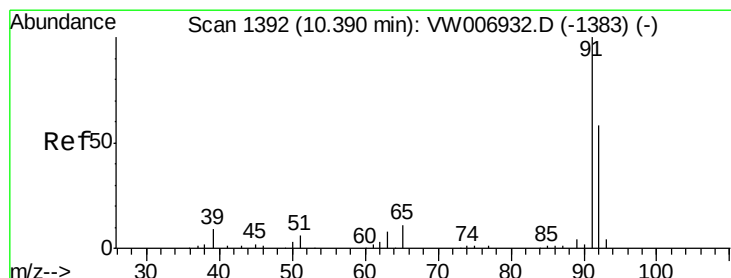
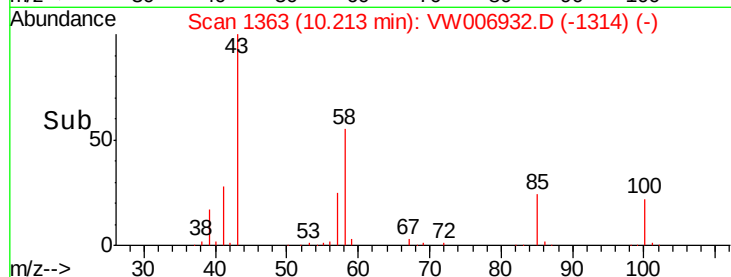
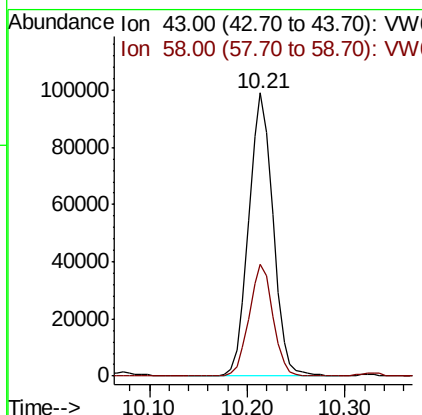
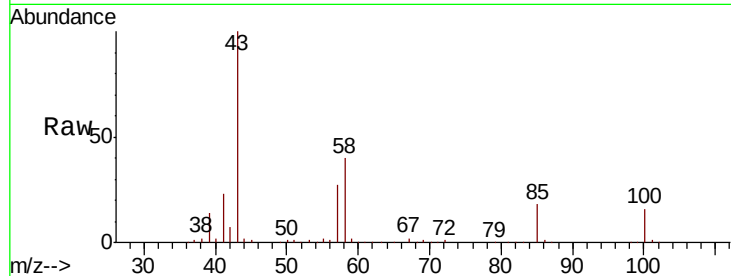




#51  
4-Methyl-2-Pentanone  
Concen: 307.097 ug/l  
RT: 10.21 min Scan# 1363  
Delta R.T. 0.00 min  
Lab File: VW006932.D  
Acq: 17 Nov 2018 00:09

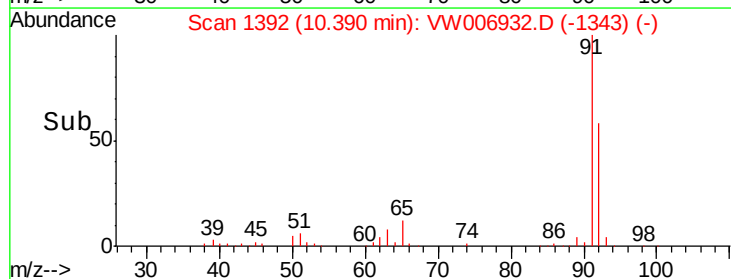
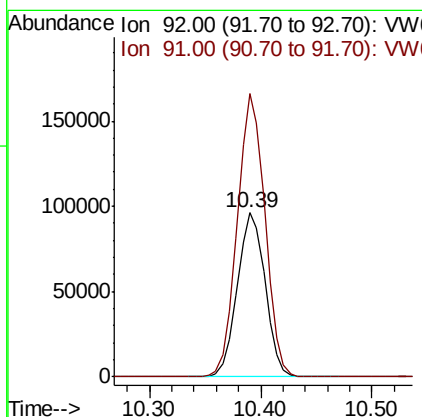
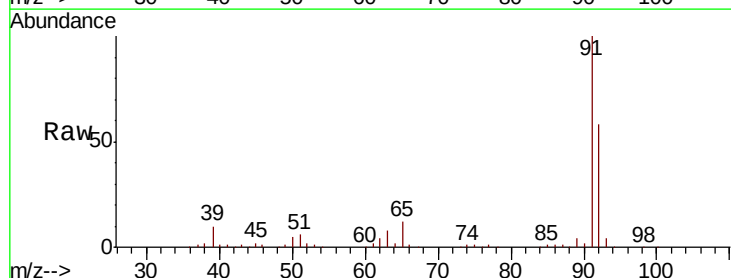
Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDICCC050

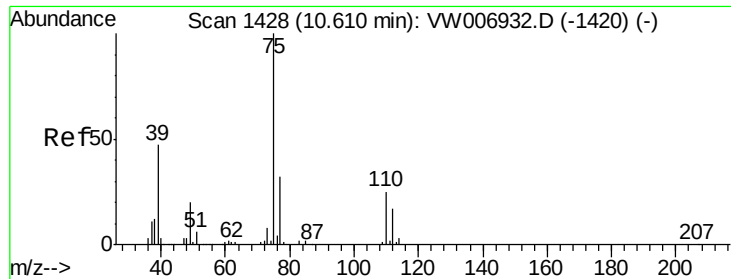
Tgt Ion: 43 Resp: 171512  
Ion Ratio Lower Upper  
43 100  
58 38.7 31.0 46.4



#52  
Toluene  
Concen: 50.556 ug/l  
RT: 10.39 min Scan# 1392  
Delta R.T. 0.00 min  
Lab File: VW006932.D  
Acq: 17 Nov 2018 00:09

Tgt Ion: 92 Resp: 166498  
Ion Ratio Lower Upper  
92 100  
91 171.6 137.3 205.9





#53

t-1,3-Dichloropropene

Concen: 53.155 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

Instrument :

MSVOA\_W

ClientSampled :

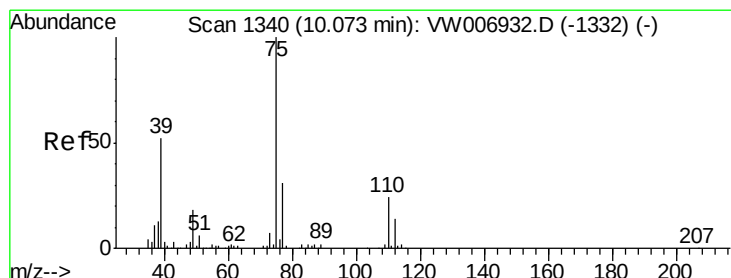
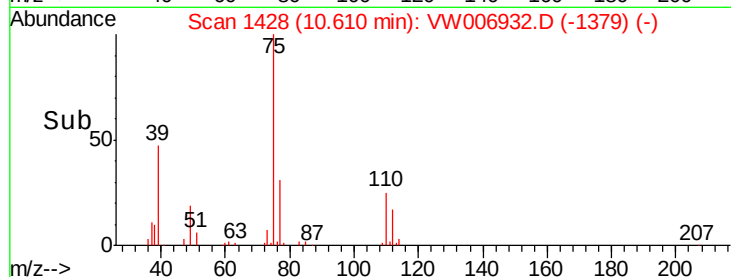
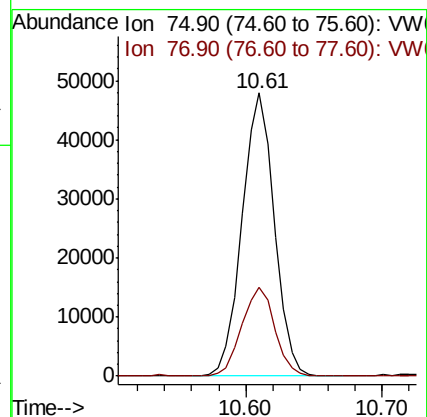
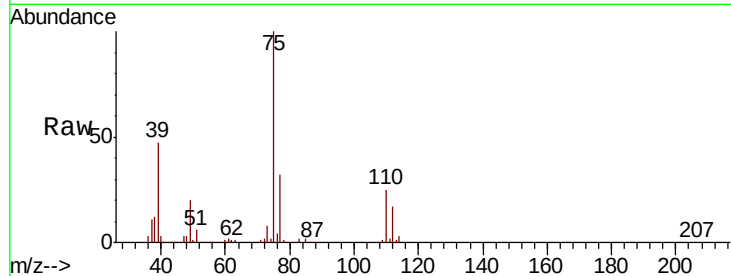
VSTDICCC050

Tgt Ion: 75 Resp: 79432

Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 53.350 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

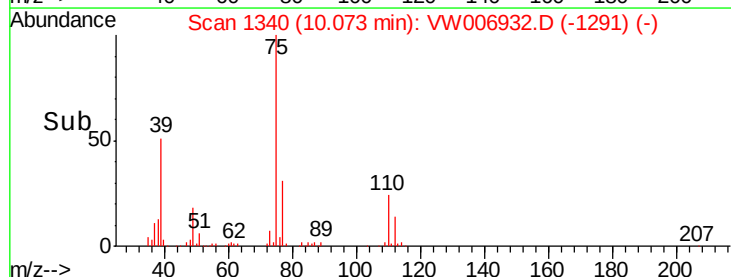
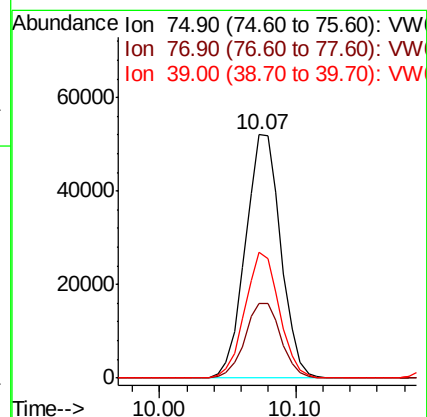
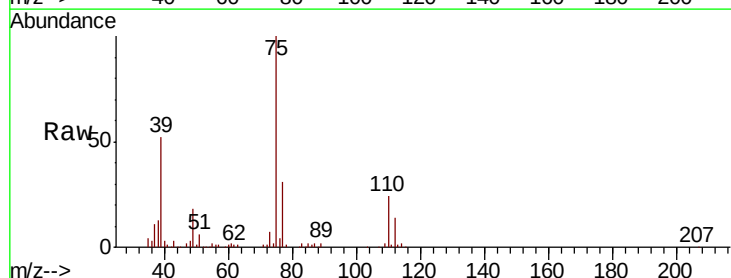
Tgt Ion: 75 Resp: 94607

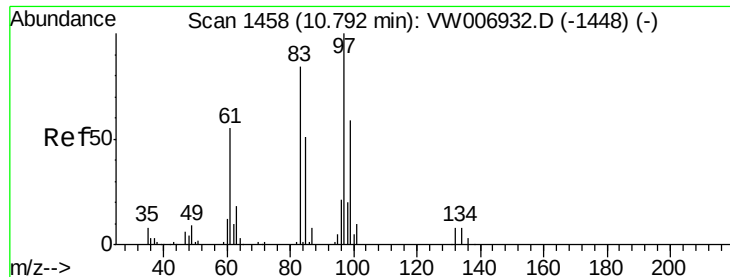
Ion Ratio Lower Upper

75 100

77 30.8 24.6 37.0

39 51.8 41.4 62.2

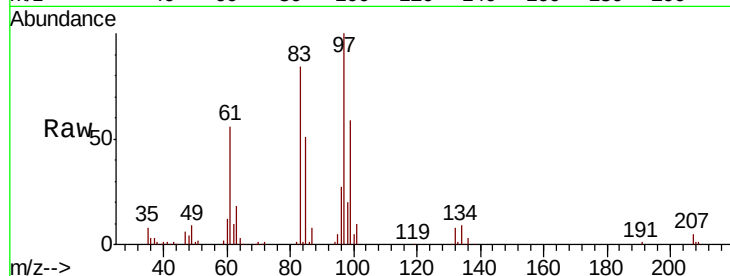




#55  
 1,1,2-Trichloroethane  
 Concen: 49.864 ug/l  
 RT: 10.79 min Scan# 1458  
 Delta R.T. 0.00 min  
 Lab File: VW006932.D  
 Acq: 17 Nov 2018 00:09

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDICCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 44919 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 84.4  | 67.5  | 101.3 |
| 85       | 51.3  | 41.0  | 61.6  |
| 99       | 59.3  | 47.4  | 71.2  |



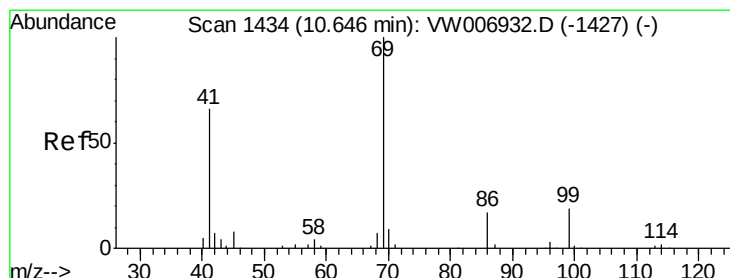
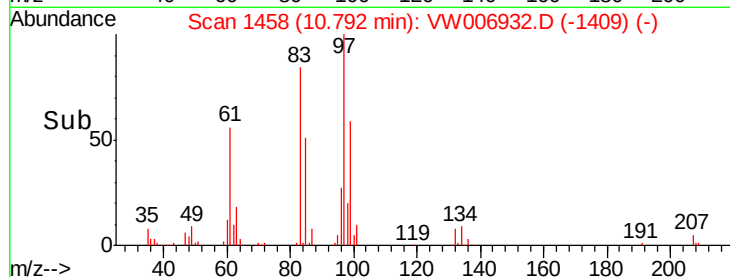
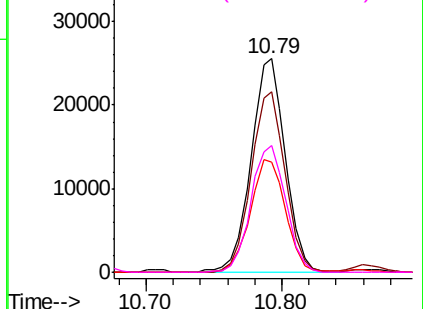
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

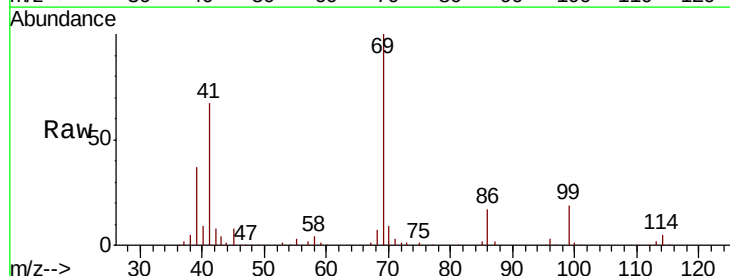
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56  
 Ethyl methacrylate  
 Concen: 58.545 ug/l  
 RT: 10.65 min Scan# 1434  
 Delta R.T. 0.00 min  
 Lab File: VW006932.D  
 Acq: 17 Nov 2018 00:09

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 58892 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 67.2  | 53.8  | 80.6  |
| 39       | 36.3  | 29.0  | 43.6  |

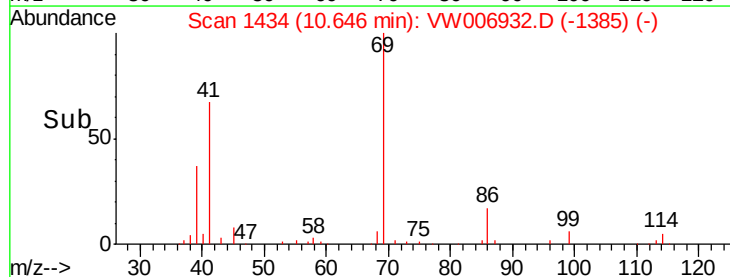
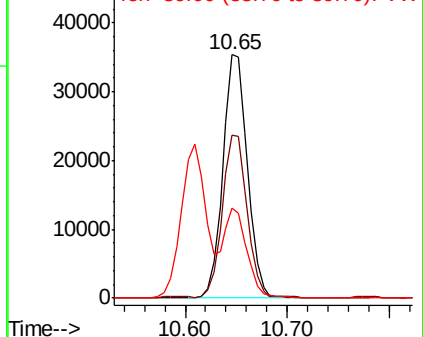


Abundance

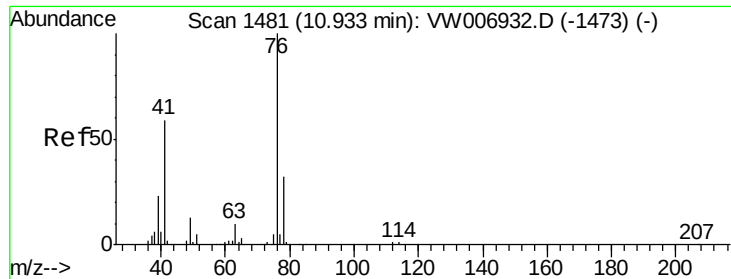
Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW



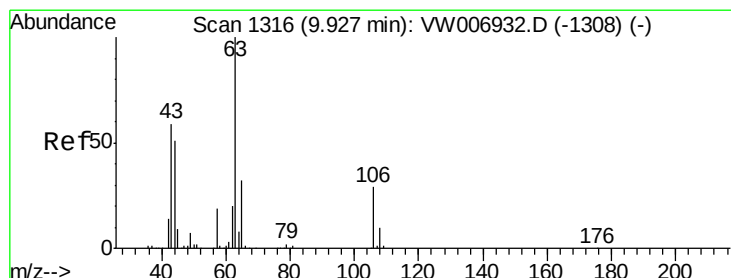
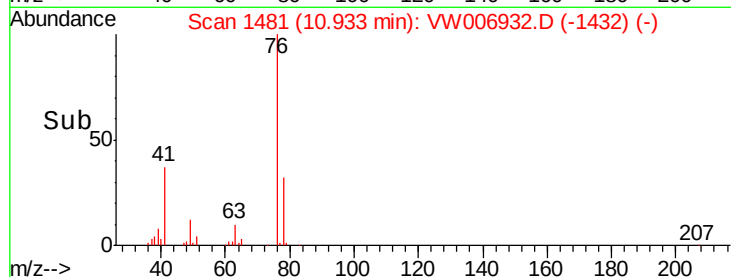
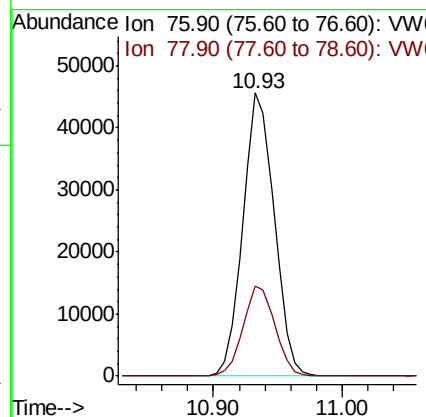
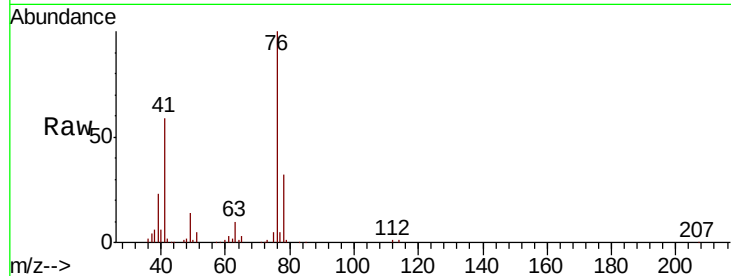




#57  
 1,3-Dichloropropane  
 Concen: 53.152 ug/l  
 RT: 10.93 min Scan# 1481  
 Delta R.T. 0.00 min  
 Lab File: VW006932.D  
 Acq: 17 Nov 2018 00:09

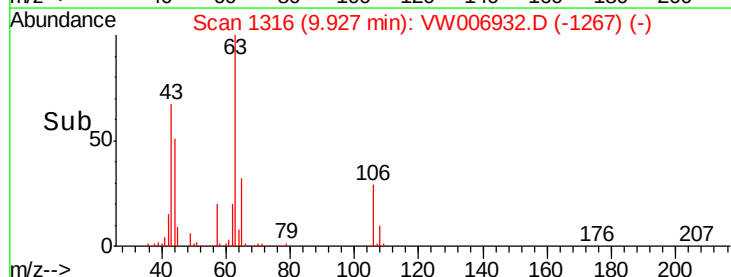
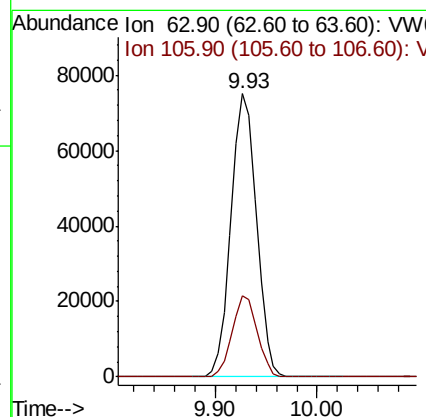
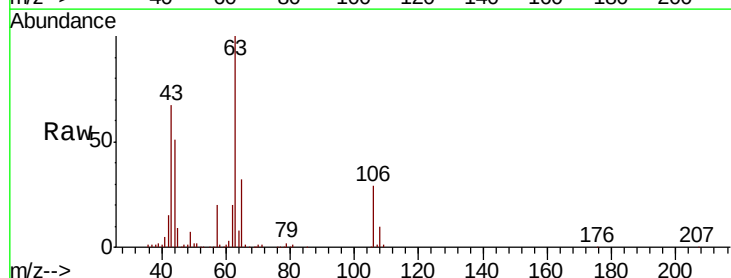
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDICCC050

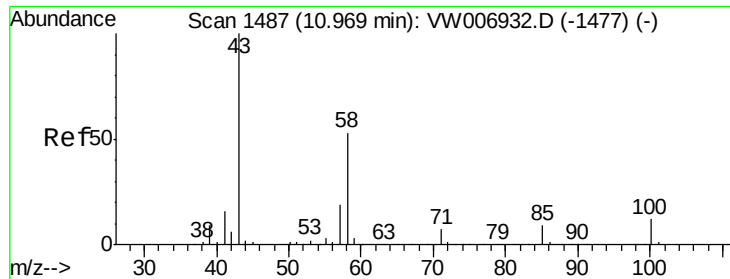
Tgt Ion: 76 Resp: 76615  
 Ion Ratio Lower Upper  
 76 100  
 78 32.5 26.0 39.0



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 261.710 ug/l  
 RT: 9.93 min Scan# 1316  
 Delta R.T. 0.00 min  
 Lab File: VW006932.D  
 Acq: 17 Nov 2018 00:09

Tgt Ion: 63 Resp: 129691  
 Ion Ratio Lower Upper  
 63 100  
 106 28.2 22.6 33.8

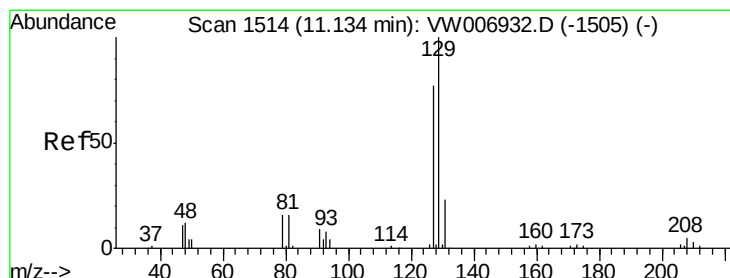
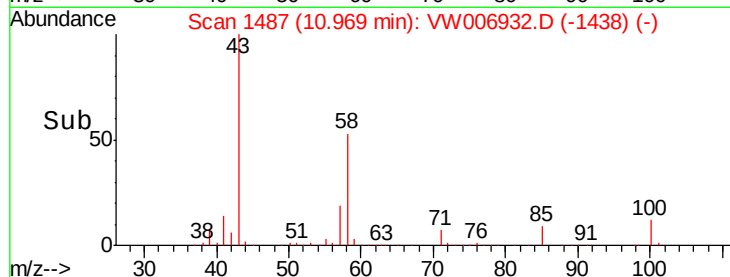
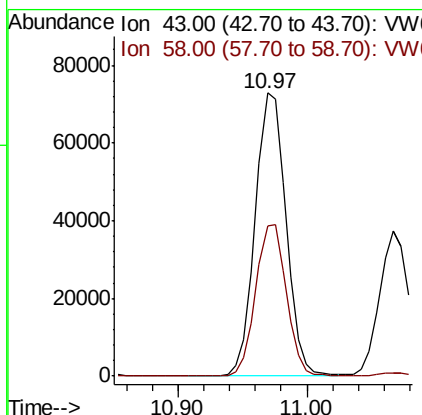
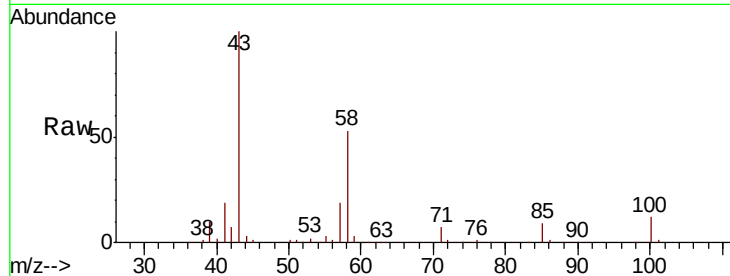




#59  
2-Hexanone  
Concen: 314.409 ug/l  
RT: 10.97 min Scan# 1487  
Delta R.T. 0.00 min  
Lab File: VW006932.D  
Acq: 17 Nov 2018 00:09

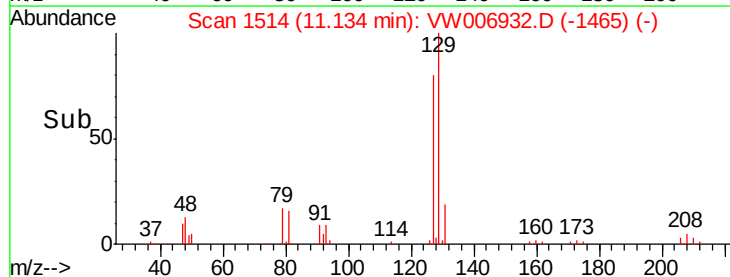
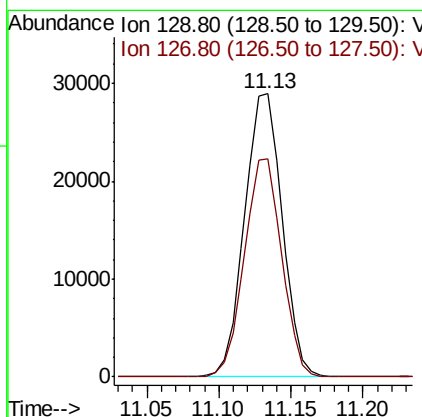
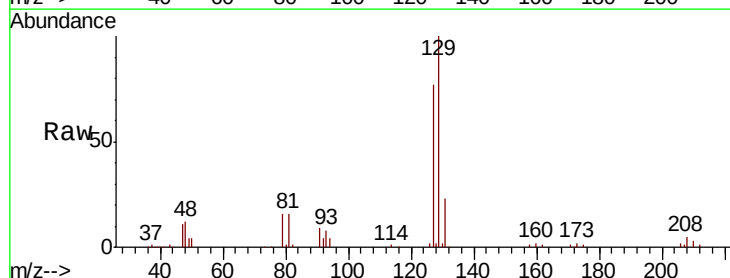
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICCC050

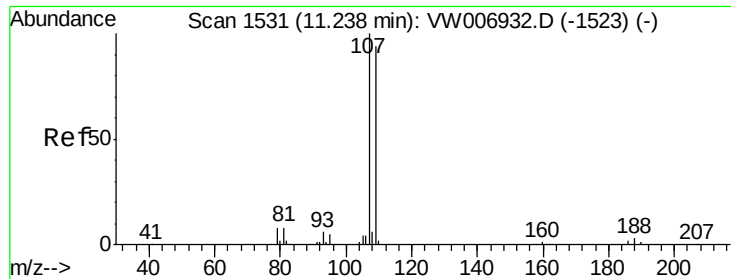
Tgt Ion: 43 Resp: 120443  
Ion Ratio Lower Upper  
43 100  
58 53.6 26.8 80.4



#60  
Dibromochloromethane  
Concen: 47.979 ug/l  
RT: 11.13 min Scan# 1514  
Delta R.T. 0.00 min  
Lab File: VW006932.D  
Acq: 17 Nov 2018 00:09

Tgt Ion: 129 Resp: 52282  
Ion Ratio Lower Upper  
129 100  
127 76.2 38.1 114.3

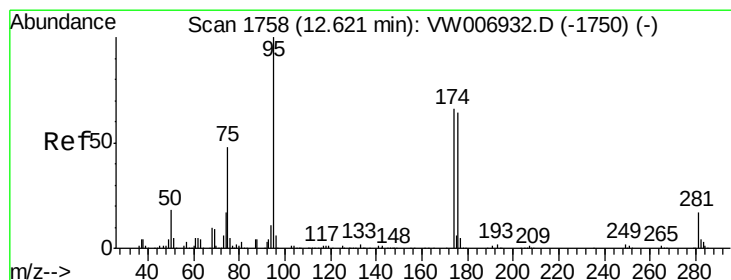
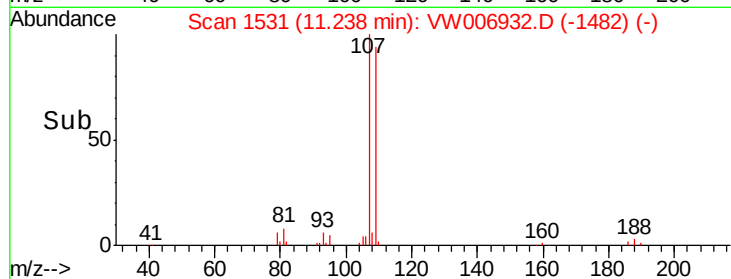
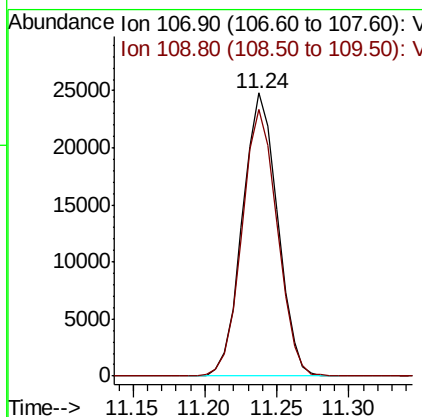
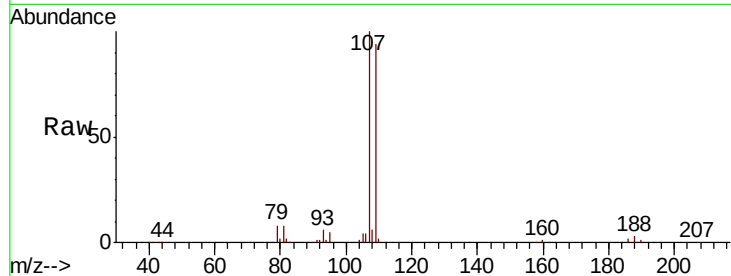




#61  
 1,2-Dibromoethane  
 Concen: 49.246 ug/l  
 RT: 11.24 min Scan# 1531  
 Delta R.T. 0.00 min  
 Lab File: VW006932.D  
 Acq: 17 Nov 2018 00:09

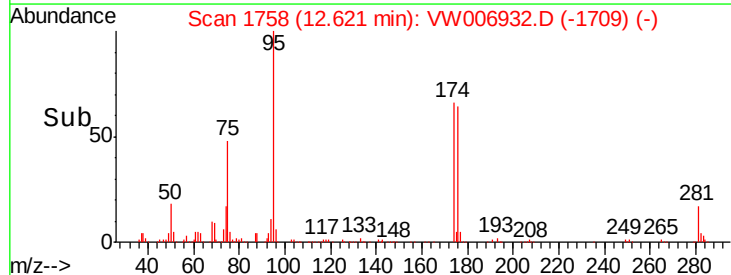
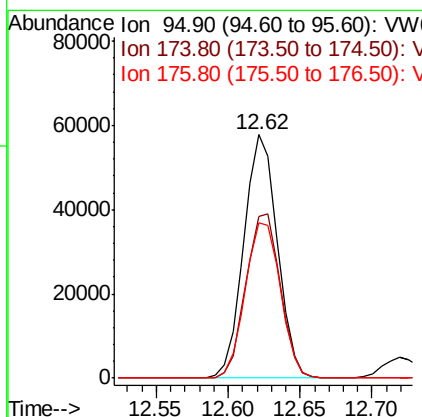
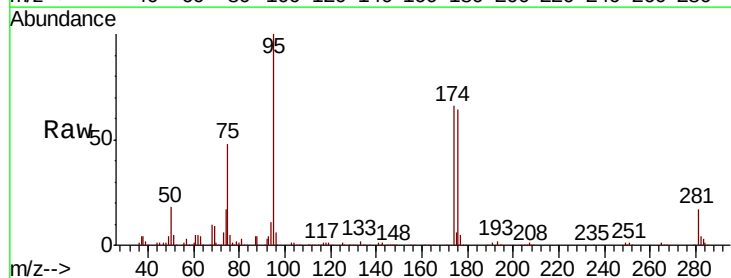
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDICCC050

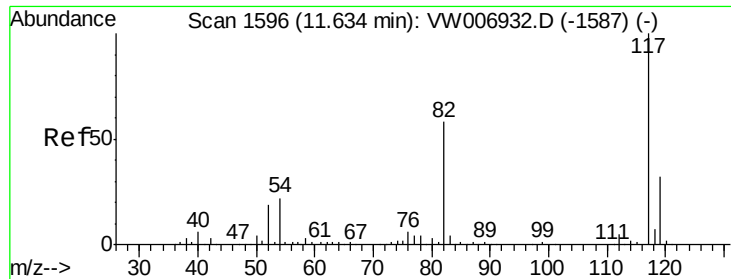
Tgt Ion: 107 Resp: 41935  
 Ion Ratio Lower Upper  
 107 100  
 109 94.4 75.5 113.3



#62  
 4-Bromofluorobenzene  
 Concen: 55.483 ug/l  
 RT: 12.62 min Scan# 1758  
 Delta R.T. 0.00 min  
 Lab File: VW006932.D  
 Acq: 17 Nov 2018 00:09

Tgt Ion: 95 Resp: 93039  
 Ion Ratio Lower Upper  
 95 100  
 174 69.2 0.0 138.4  
 176 66.7 0.0 133.4

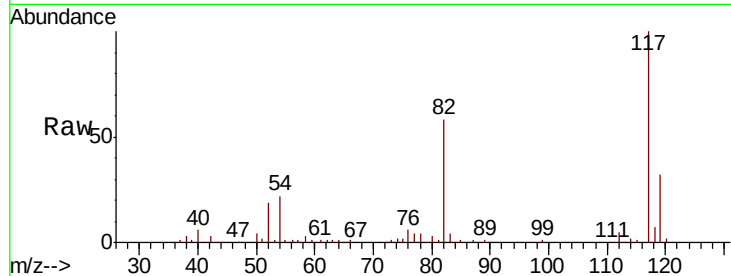




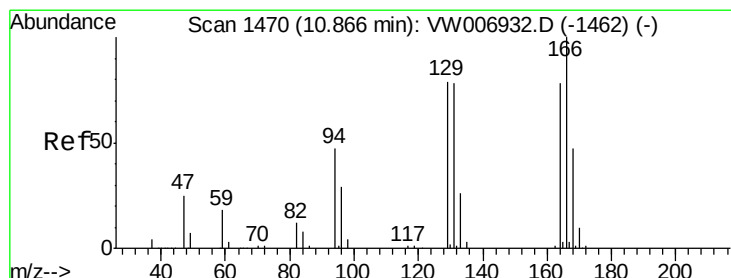
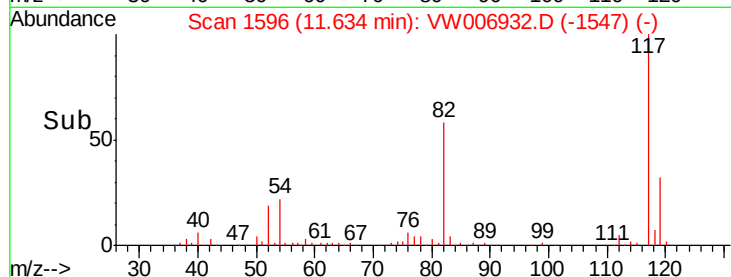
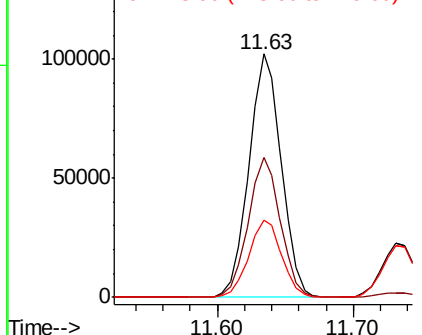
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW006932.D  
Acq: 17 Nov 2018 00:09

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICCC050

Tgt Ion:117 Resp: 170250  
Ion Ratio Lower Upper  
117 100  
82 57.7 46.2 69.2  
119 31.9 25.5 38.3

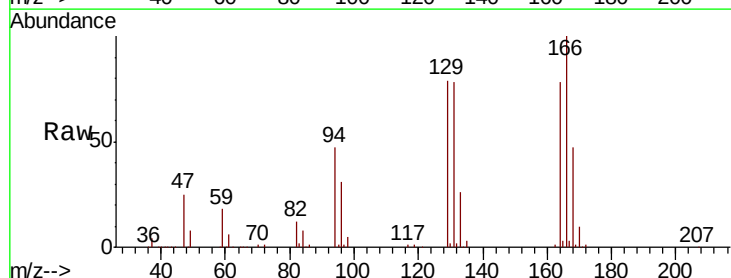


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VW  
Ion 118.90 (118.60 to 119.60): V

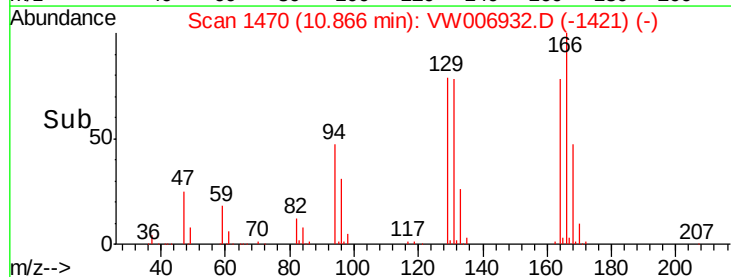
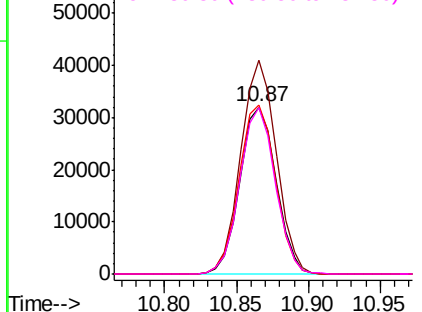


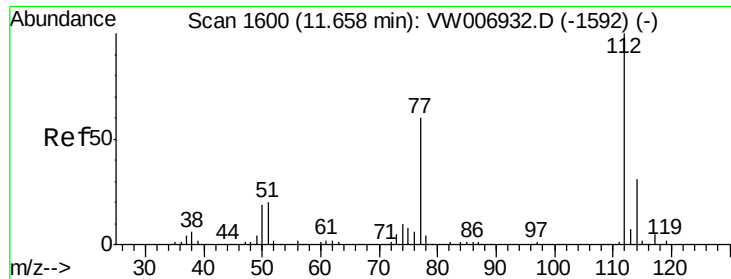
#64  
Tetrachloroethene  
Concen: 42.216 ug/l  
RT: 10.87 min Scan# 1470  
Delta R.T. 0.00 min  
Lab File: VW006932.D  
Acq: 17 Nov 2018 00:09

Tgt Ion:164 Resp: 55574  
Ion Ratio Lower Upper  
164 100  
166 128.3 102.6 154.0  
129 101.2 81.0 121.4  
131 100.2 80.2 120.2



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

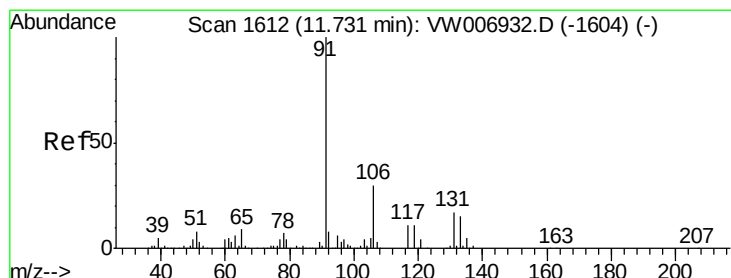
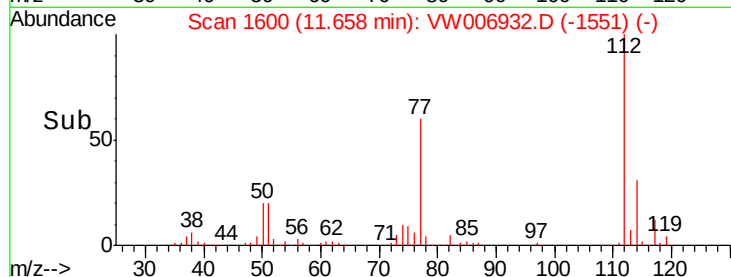
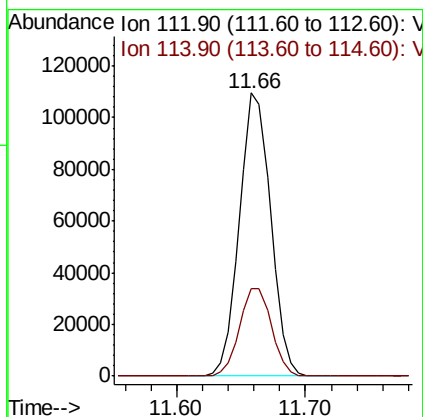
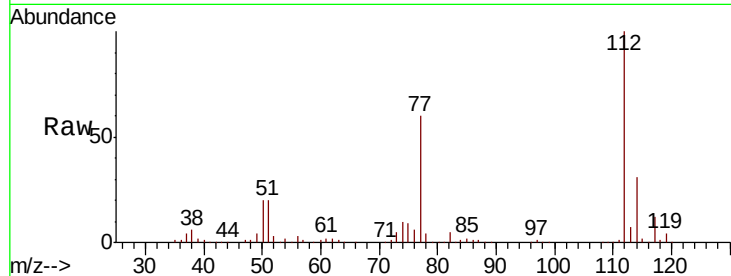




#65  
Chlorobenzene  
Concen: 49.095 ug/l  
RT: 11.66 min Scan# 1600  
Delta R.T. 0.00 min  
Lab File: VW006932.D  
Acq: 17 Nov 2018 00:09

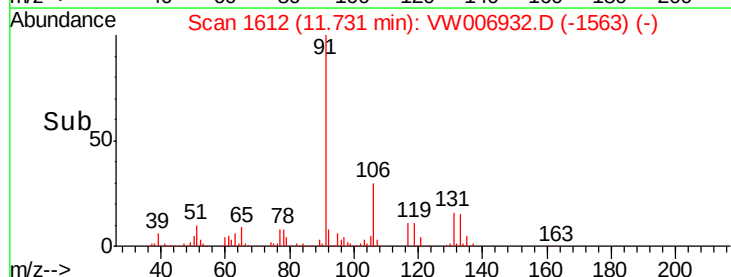
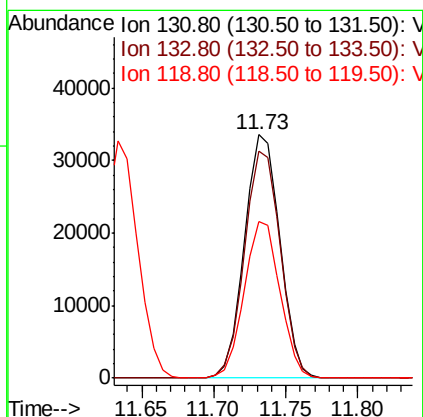
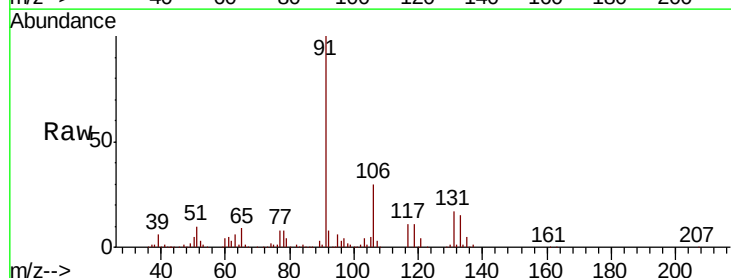
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICCC050

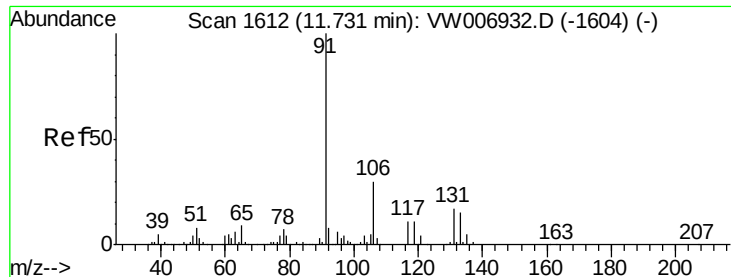
Tgt Ion:112 Resp: 184048  
Ion Ratio Lower Upper  
112 100  
114 30.8 24.6 37.0



#66  
1,1,1,2-Tetrachloroethane  
Concen: 47.018 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW006932.D  
Acq: 17 Nov 2018 00:09

Tgt Ion:131 Resp: 57036  
Ion Ratio Lower Upper  
131 100  
133 94.4 47.2 141.6  
119 64.9 32.5 97.4

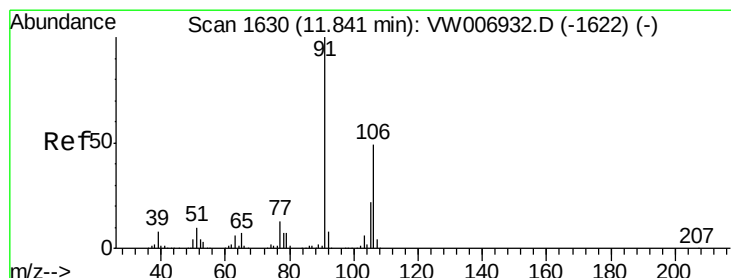
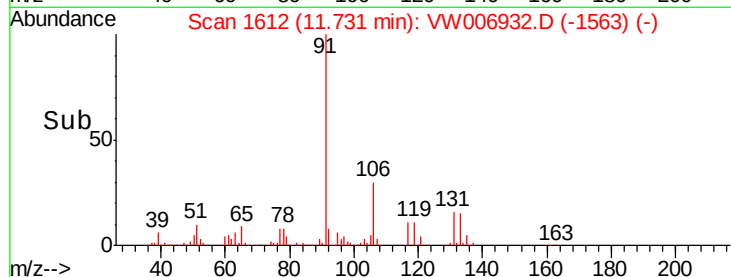
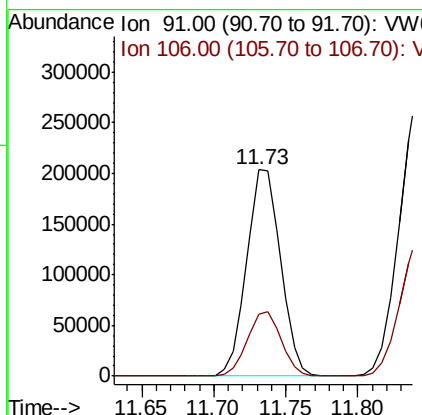
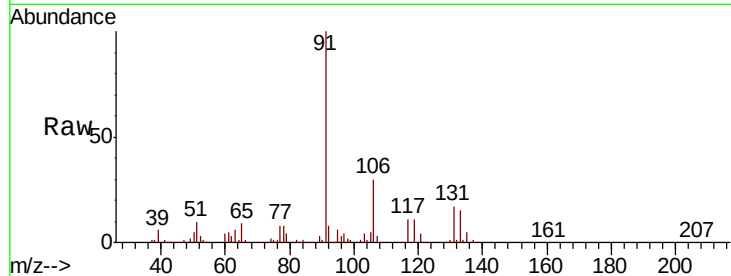




#67  
Ethyl Benzene  
Concen: 51.601 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW006932.D  
Acq: 17 Nov 2018 00:09

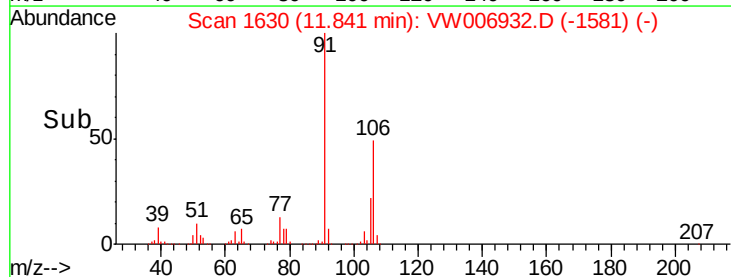
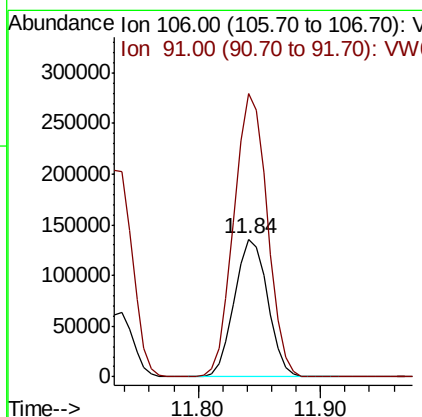
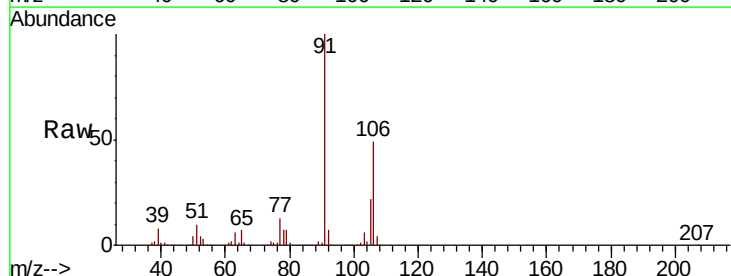
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICCC050

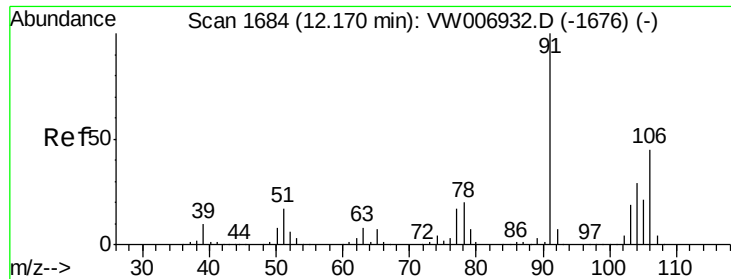
Tgt Ion: 91 Resp: 332075  
Ion Ratio Lower Upper  
91 100  
106 30.0 24.0 36.0



#68  
m/p-Xylenes  
Concen: 98.312 ug/l  
RT: 11.84 min Scan# 1630  
Delta R.T. 0.00 min  
Lab File: VW006932.D  
Acq: 17 Nov 2018 00:09

Tgt Ion: 106 Resp: 256486  
Ion Ratio Lower Upper  
106 100  
91 206.2 165.0 247.4

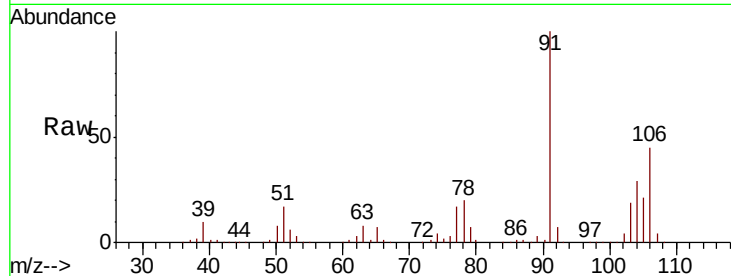




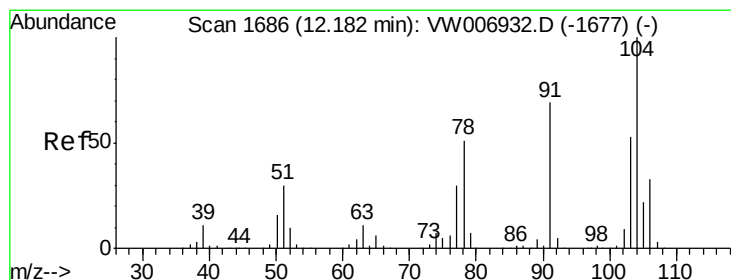
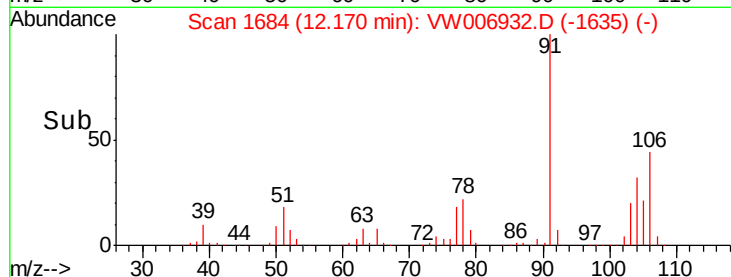
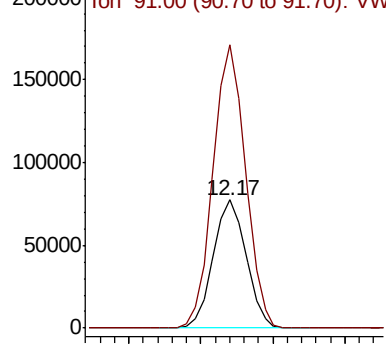
#69  
o-Xylene  
Concen: 50.287 ug/l  
RT: 12.17 min Scan# 1684  
Delta R.T. 0.00 min  
Lab File: VW006932.D  
Acq: 17 Nov 2018 00:09

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICCC050

Tgt Ion:106 Resp: 122412  
Ion Ratio Lower Upper  
106 100  
91 218.4 109.2 327.6

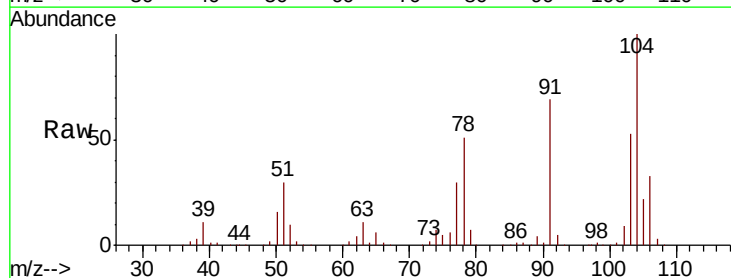


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VW

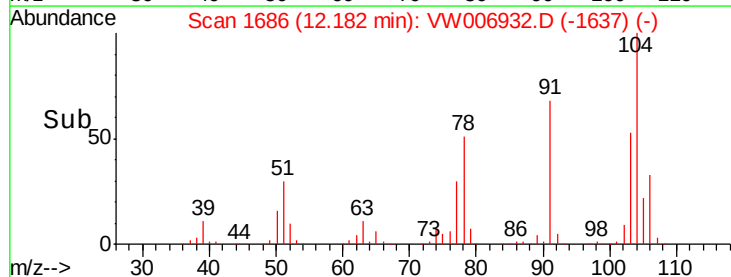
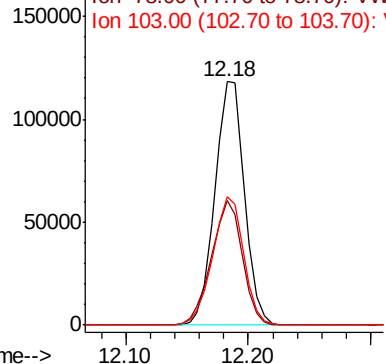


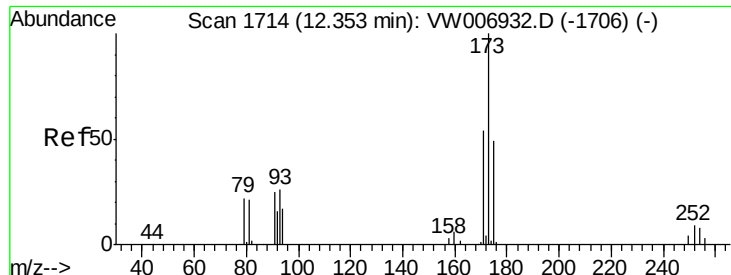
#70  
Styrene  
Concen: 50.957 ug/l  
RT: 12.18 min Scan# 1686  
Delta R.T. 0.00 min  
Lab File: VW006932.D  
Acq: 17 Nov 2018 00:09

Tgt Ion:104 Resp: 198978  
Ion Ratio Lower Upper  
104 100  
78 53.1 42.5 63.7  
103 55.4 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): VW  
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 41.485 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

Instrument :

MSVOA\_W

ClientSampleId :

VSTDICCC050

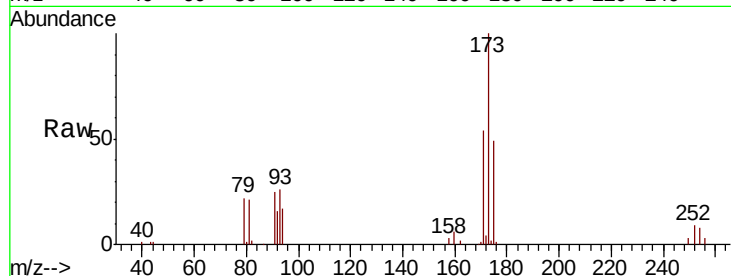
Tgt Ion:173 Resp: 26809

Ion Ratio Lower Upper

173 100

175 48.0 24.0 72.0

254 0.0 0.0 0.0

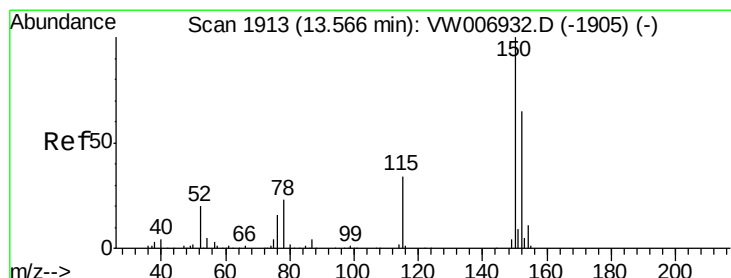
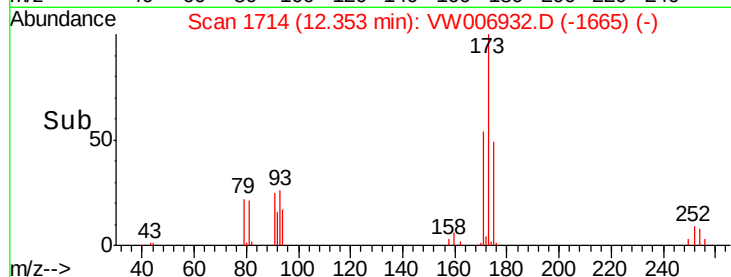
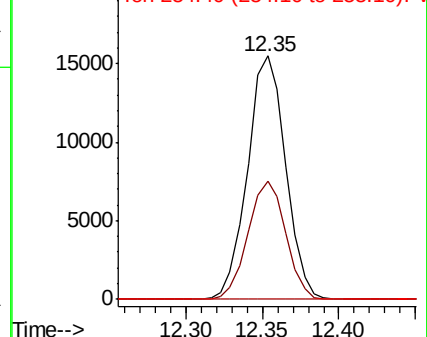


Abundance

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: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

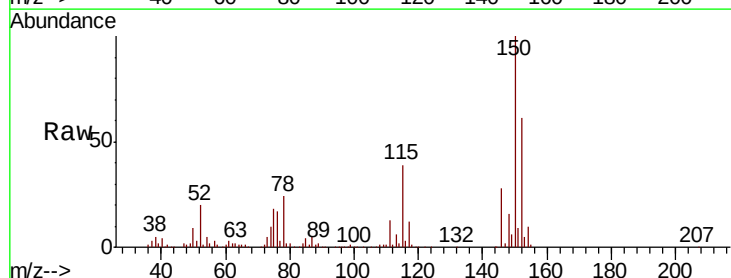
Tgt Ion:152 Resp: 82473

Ion Ratio Lower Upper

152 100

115 63.1 31.6 94.7

150 175.0 0.0 350.0

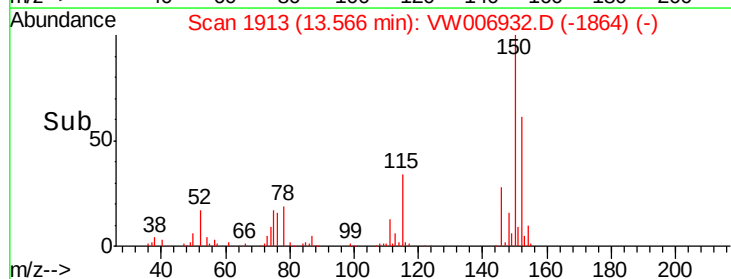
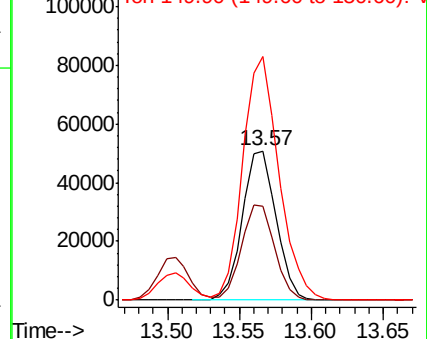


Abundance

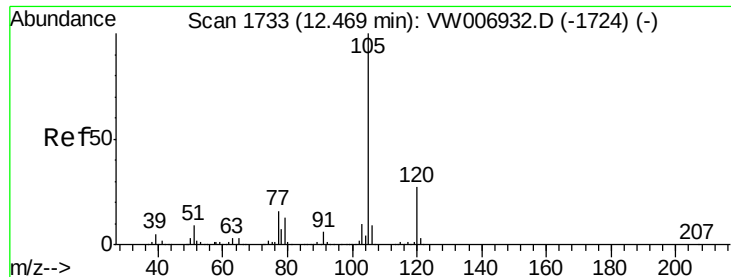
Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V







#73

Isopropylbenzene

Concen: 56.652 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

Instrument :

MSVOA\_W

ClientSampleId :

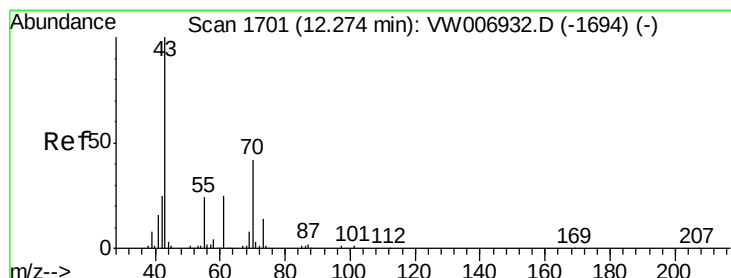
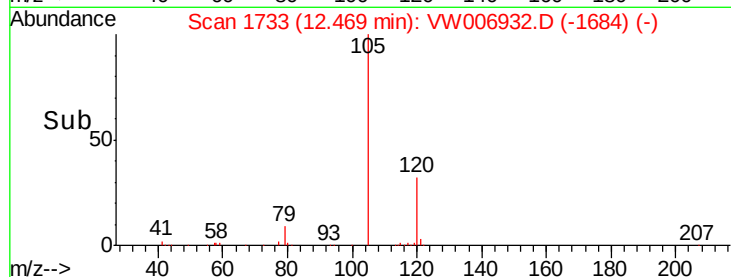
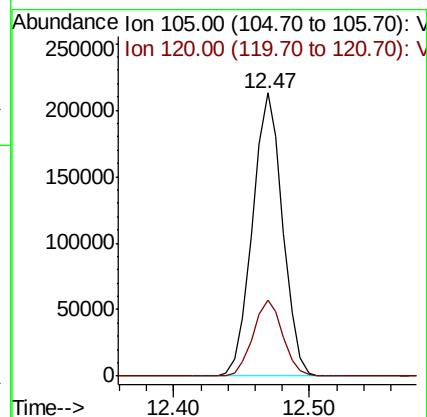
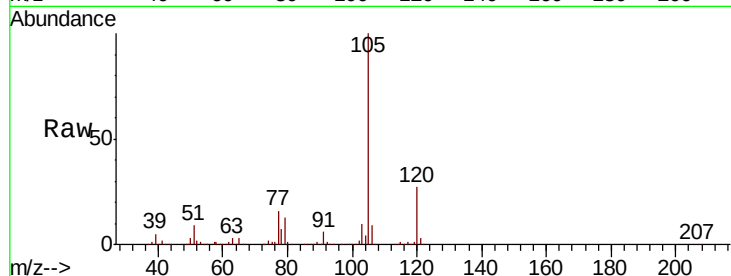
VSTDICCC050

Tgt Ion:105 Resp: 331077

Ion Ratio Lower Upper

105 100

120 26.4 13.2 39.6



#74

N-ethyl acetate

Concen: 71.024 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

Tgt Ion: 43 Resp: 66558

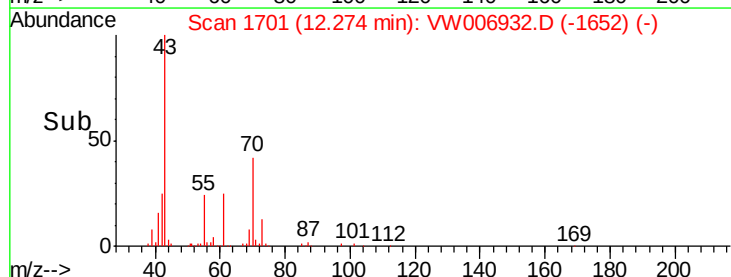
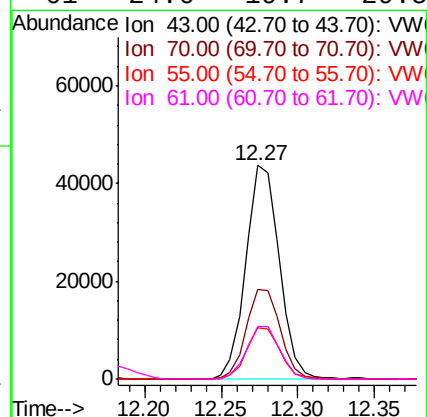
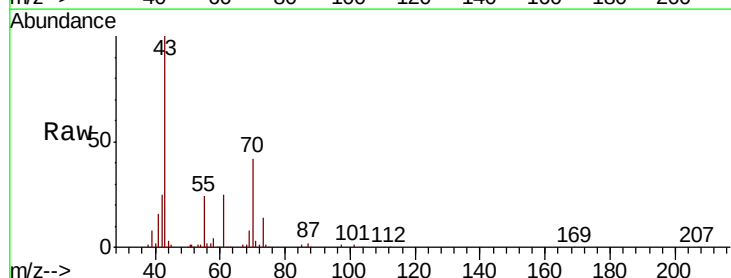
Ion Ratio Lower Upper

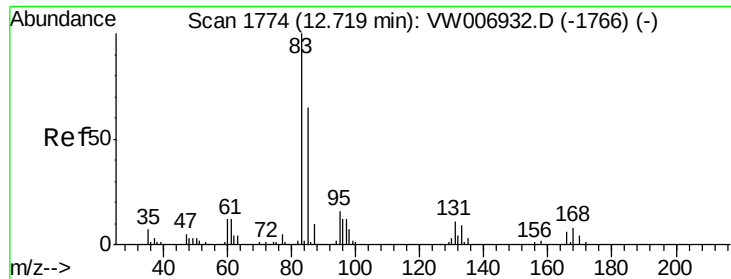
43 100

70 42.8 34.2 51.4

55 24.4 19.5 29.3

61 24.6 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 57.684 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

Instrument :

MSVOA\_W

ClientSampleId :

VSTDICCC050

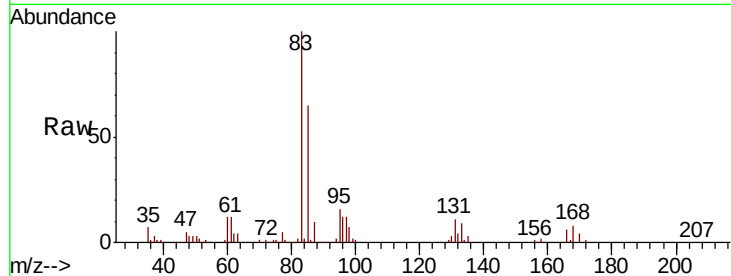
Tgt Ion: 83 Resp: 47044

Ion Ratio Lower Upper

83 100

131 11.2 5.6 16.8

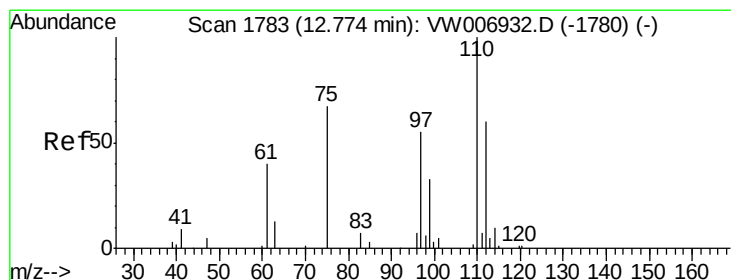
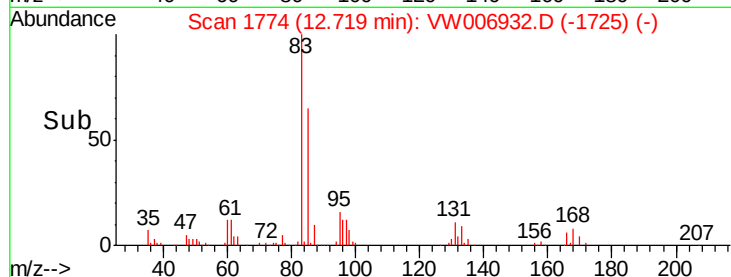
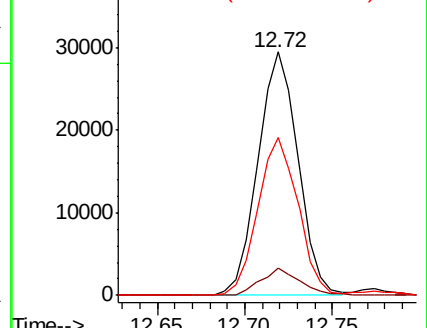
85 65.0 32.5 97.5



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: 104.993 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006932.D

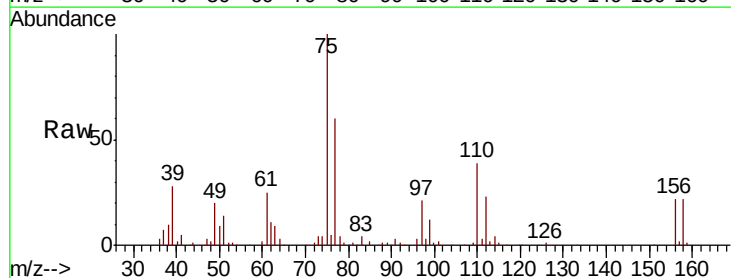
Acq: 17 Nov 2018 00:09

Tgt Ion: 75 Resp: 65353

Ion Ratio Lower Upper

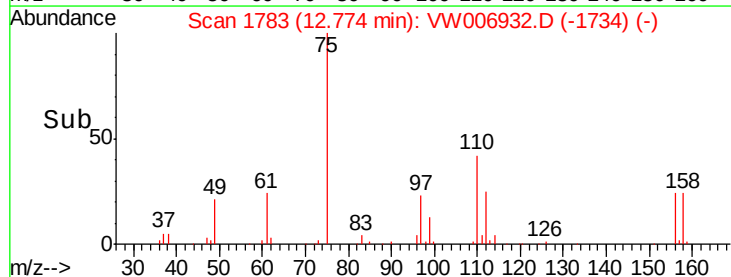
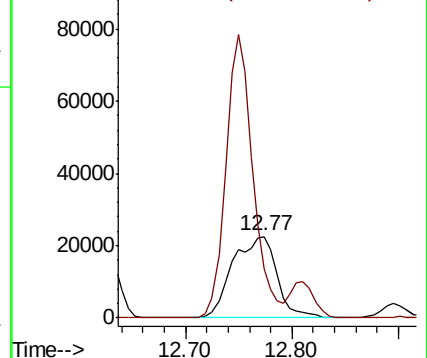
75 100

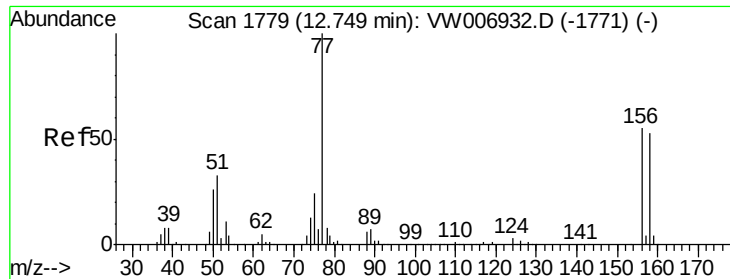
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 49.583 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

Instrument :

MSVOA\_W

ClientSampled :

VSTDICCC050

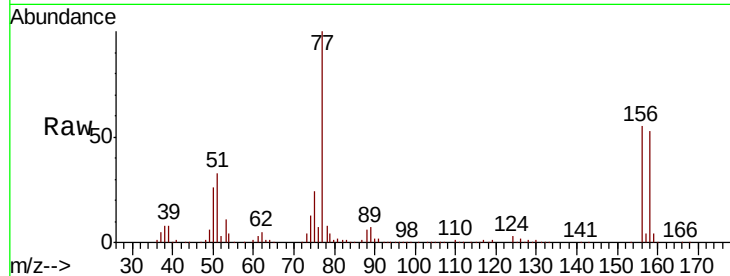
Tgt Ion:156 Resp: 71278

Ion Ratio Lower Upper

156 100

77 195.5 97.8 293.3

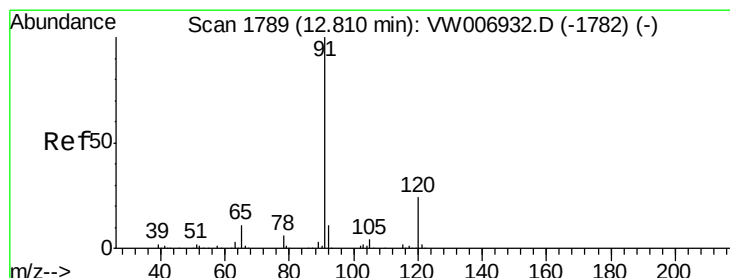
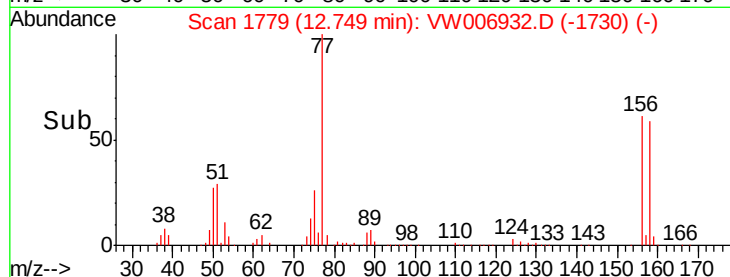
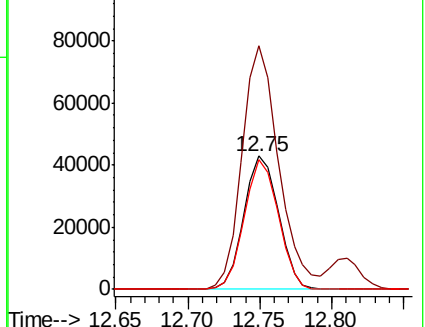
158 95.8 47.9 143.7



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: 57.583 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006932.D

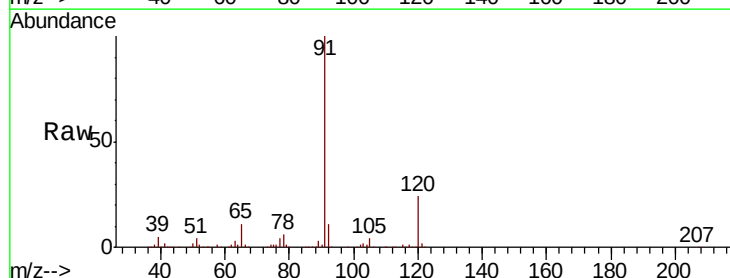
Acq: 17 Nov 2018 00:09

Tgt Ion: 91 Resp: 398327

Ion Ratio Lower Upper

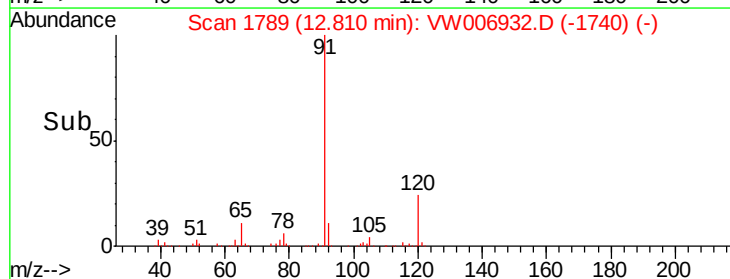
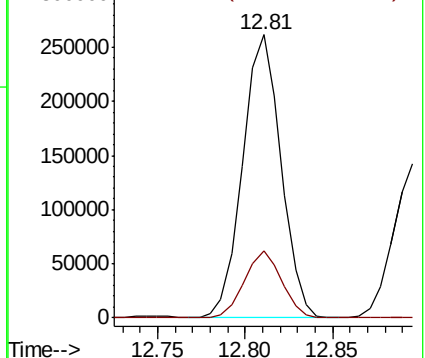
91 100

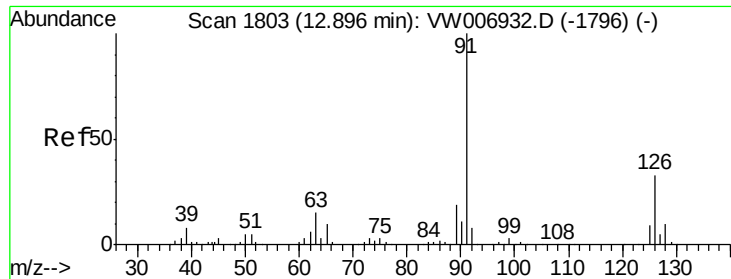
120 23.0 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 59.051 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

Instrument :

MSVOA\_W

ClientSampleId :

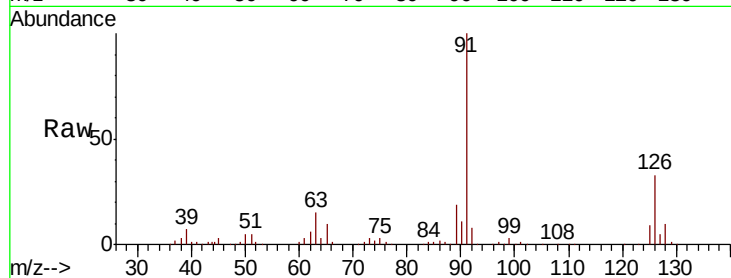
VSTDICCC050

Tgt Ion: 91 Resp: 230930

Ion Ratio Lower Upper

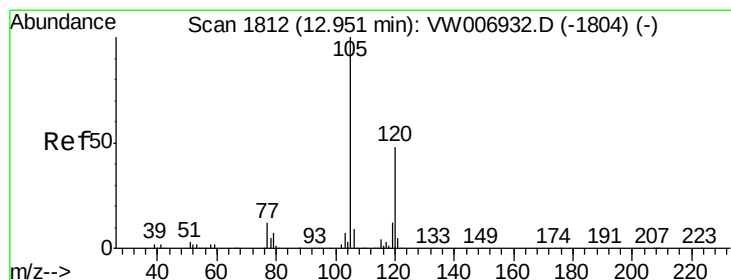
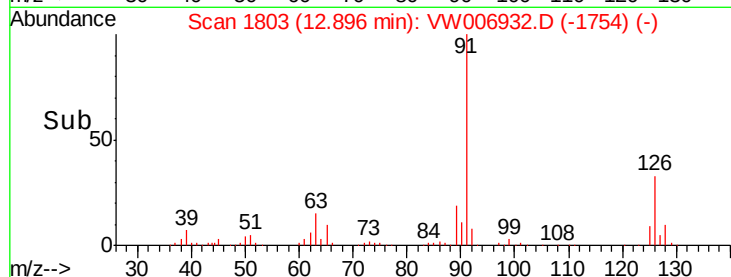
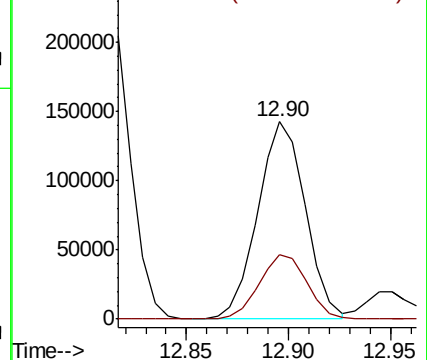
91 100

126 33.1 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 57.082 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006932.D

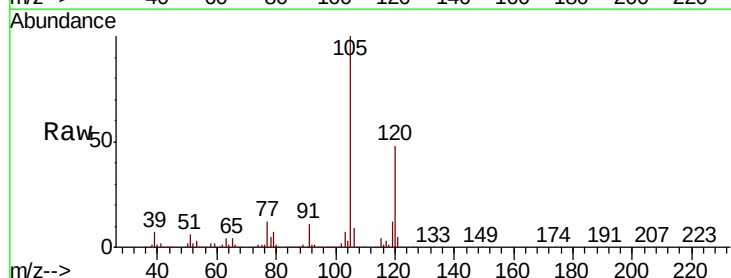
Acq: 17 Nov 2018 00:09

Tgt Ion:105 Resp: 286596

Ion Ratio Lower Upper

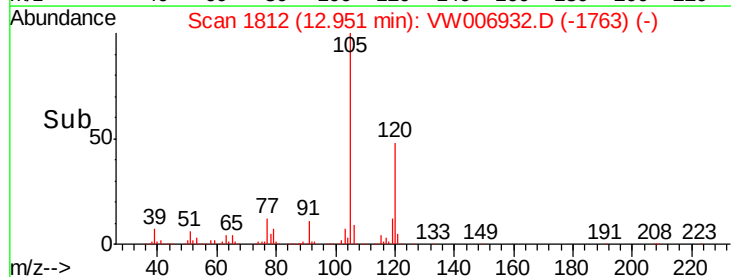
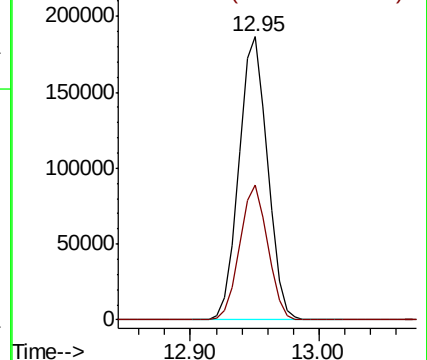
105 100

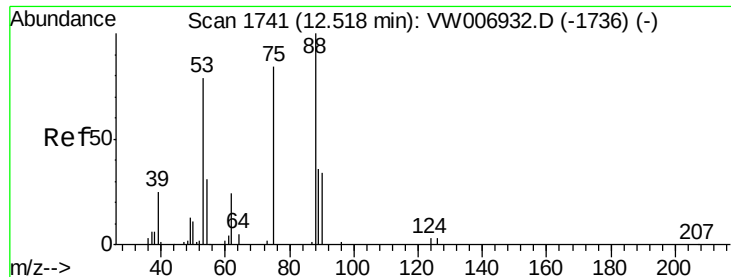
120 47.0 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

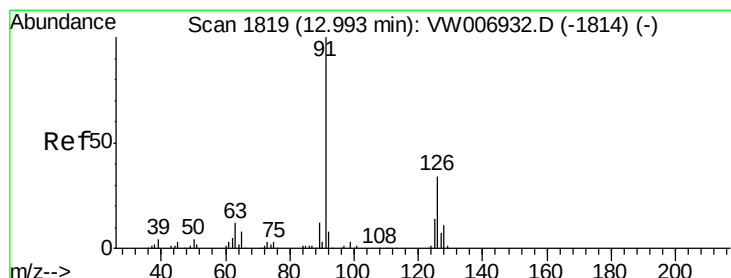
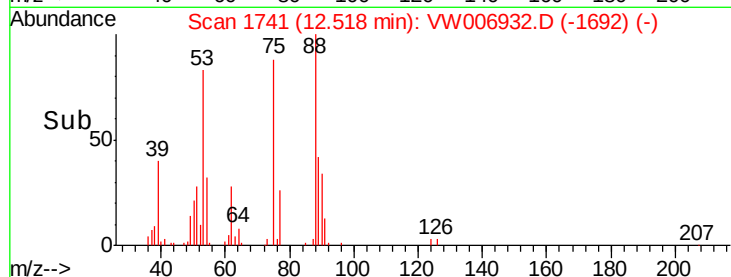
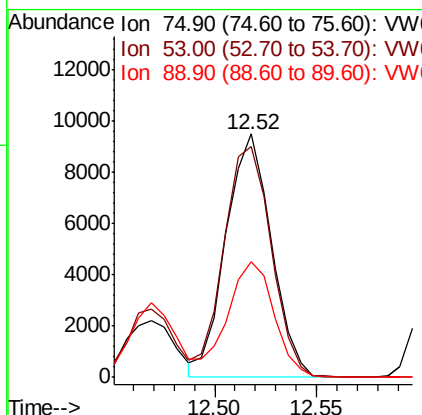
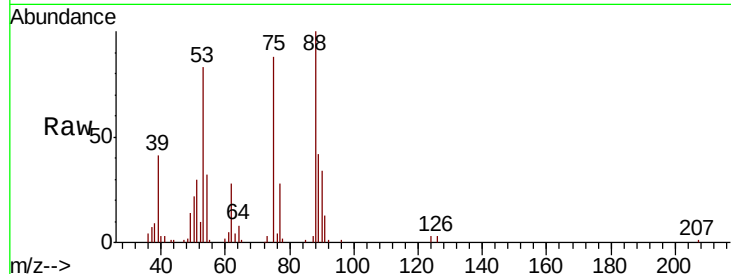




#81  
trans-1,4-Dichloro-2-butene  
Concen: 58.997 ug/l  
RT: 12.52 min Scan# 1741  
Delta R.T. 0.00 min  
Lab File: VW006932.D  
Acq: 17 Nov 2018 00:09

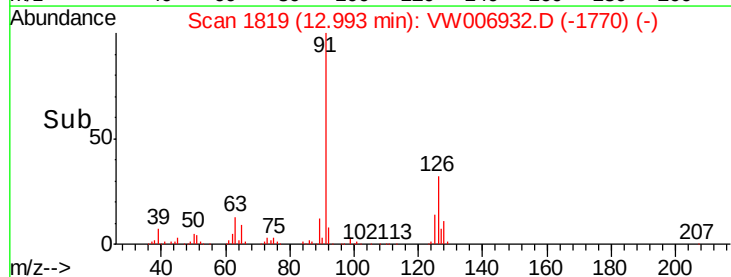
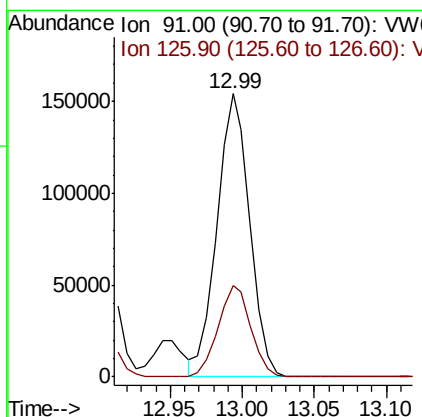
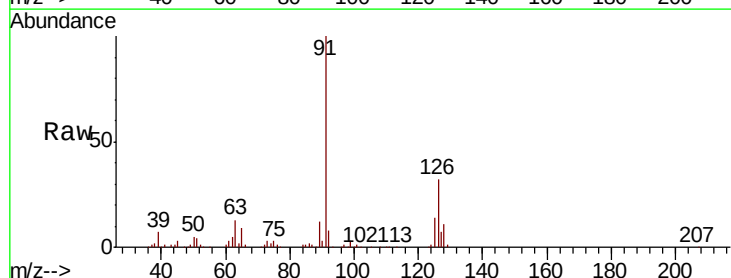
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICCC050

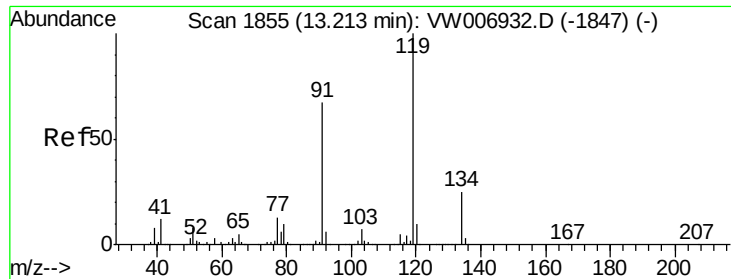
Tgt Ion: 75 Resp: 14685  
Ion Ratio Lower Upper  
75 100  
53 99.1 79.3 118.9  
89 49.4 39.5 59.3



#82  
4-Chlorotoluene  
Concen: 58.595 ug/l  
RT: 12.99 min Scan# 1819  
Delta R.T. 0.00 min  
Lab File: VW006932.D  
Acq: 17 Nov 2018 00:09

Tgt Ion: 91 Resp: 244227  
Ion Ratio Lower Upper  
91 100  
126 32.4 16.2 48.6

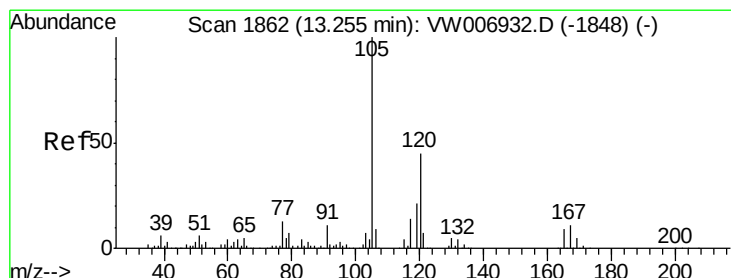
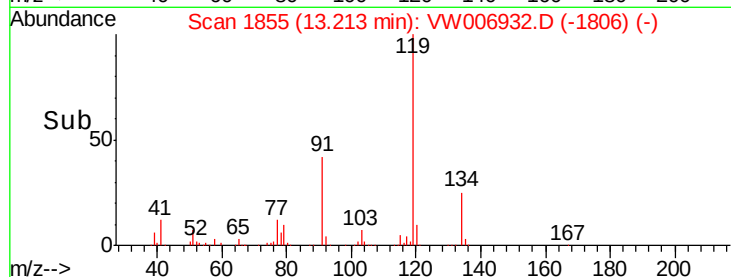
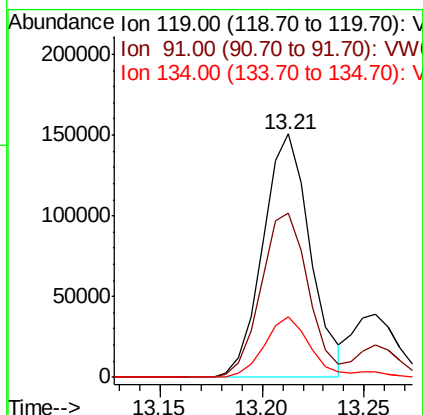
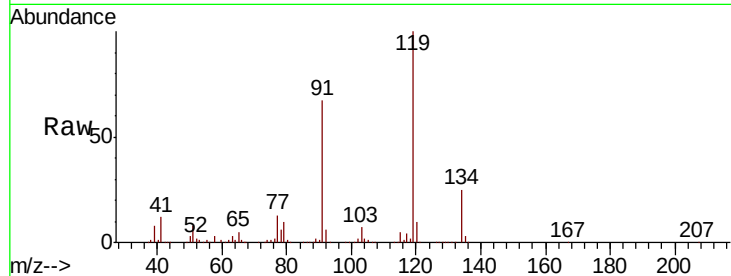




#83  
 tert-Butylbenzene  
 Concen: 55.211 ug/l  
 RT: 13.21 min Scan# 1855  
 Delta R.T. 0.00 min  
 Lab File: VW006932.D  
 Acq: 17 Nov 2018 00:09

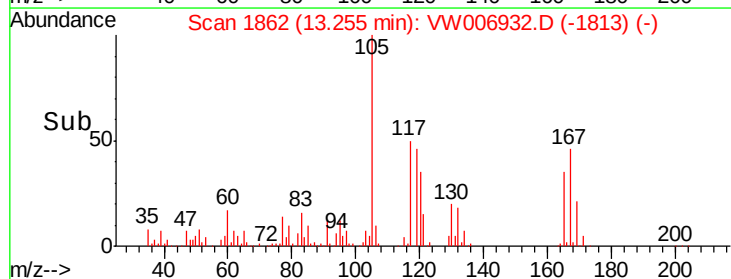
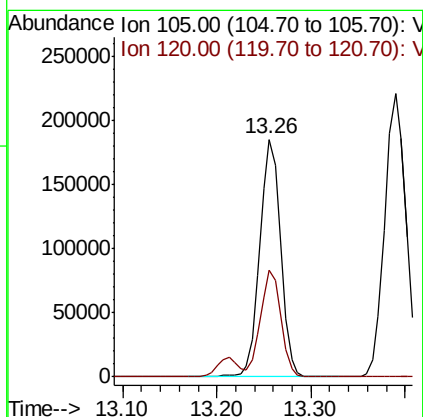
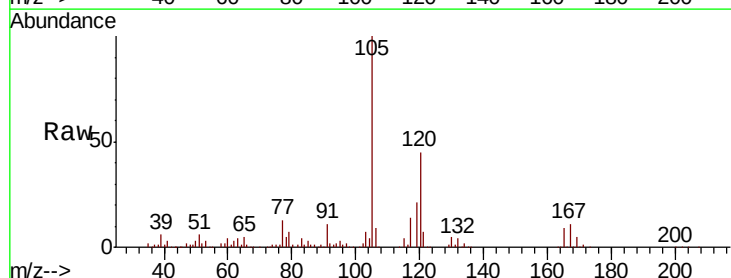
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDICCC050

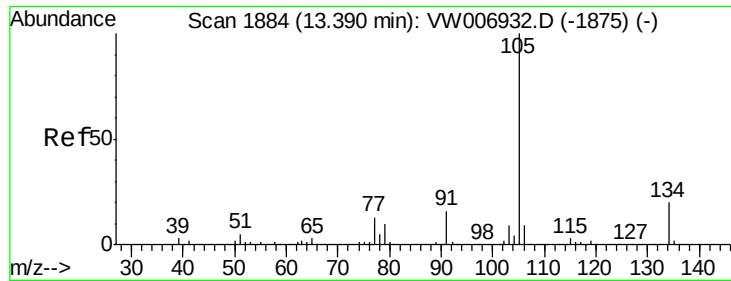
Tgt Ion:119 Resp: 243133  
 Ion Ratio Lower Upper  
 119 100  
 91 67.6 33.8 101.4  
 134 25.2 12.6 37.8



#84  
 1,2,4-Trimethylbenzene  
 Concen: 56.642 ug/l  
 RT: 13.26 min Scan# 1862  
 Delta R.T. 0.00 min  
 Lab File: VW006932.D  
 Acq: 17 Nov 2018 00:09

Tgt Ion:105 Resp: 289013  
 Ion Ratio Lower Upper  
 105 100  
 120 43.9 21.9 65.8

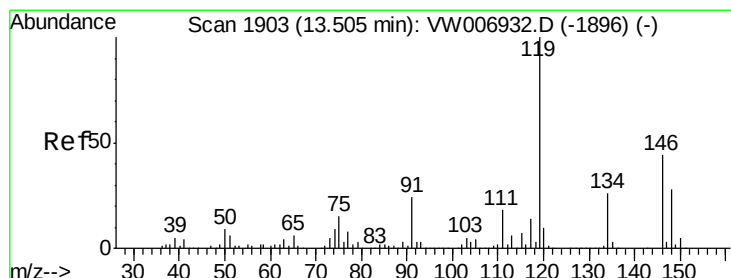
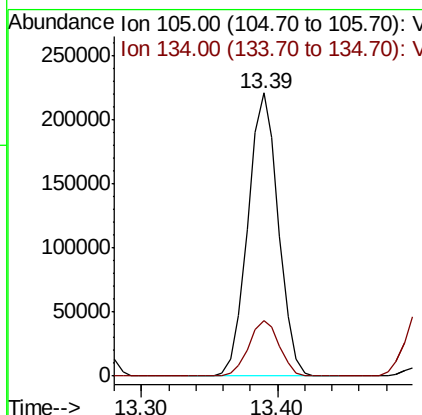
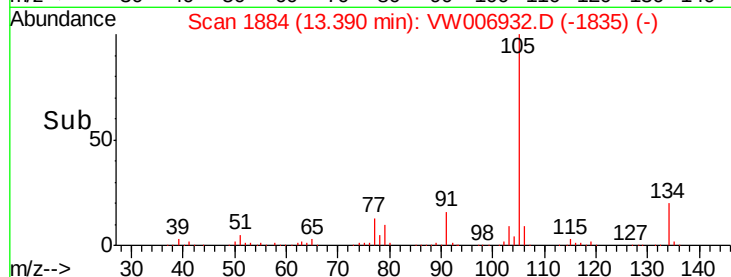
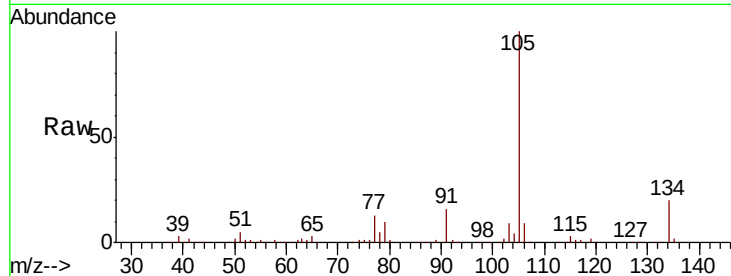




#85  
 sec-Butylbenzene  
 Concen: 55.506 ug/l  
 RT: 13.39 min Scan# 1884  
 Delta R.T. 0.00 min  
 Lab File: VW006932.D  
 Acq: 17 Nov 2018 00:09

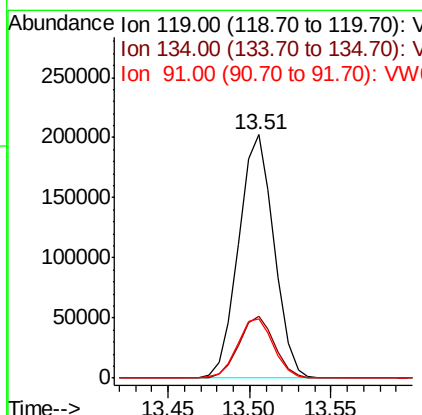
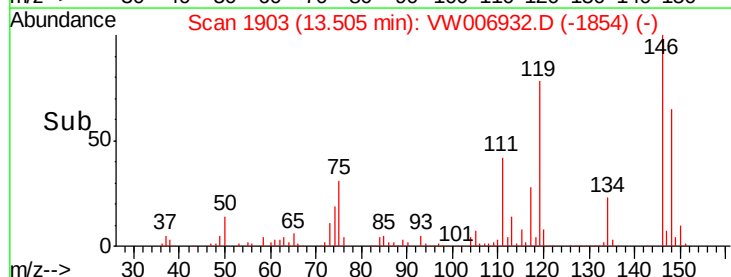
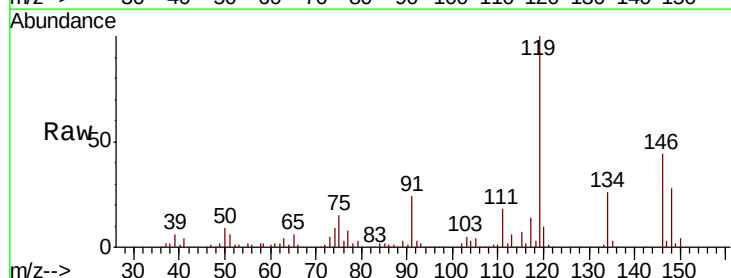
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDICCC050

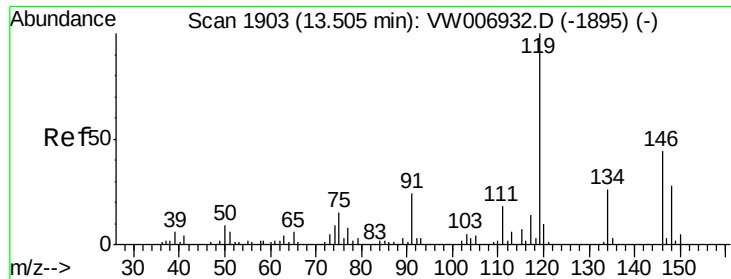
Tgt Ion:105 Resp: 346986  
 Ion Ratio Lower Upper  
 105 100  
 134 19.6 9.8 29.4



#86  
 p-Isopropyltoluene  
 Concen: 54.223 ug/l  
 RT: 13.51 min Scan# 1903  
 Delta R.T. 0.00 min  
 Lab File: VW006932.D  
 Acq: 17 Nov 2018 00:09

Tgt Ion:119 Resp: 306058  
 Ion Ratio Lower Upper  
 119 100  
 134 25.4 12.7 38.1  
 91 24.8 12.4 37.2

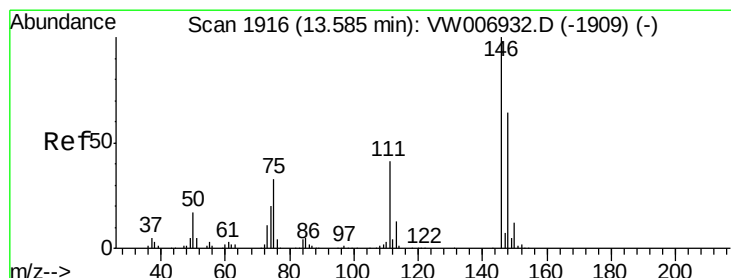
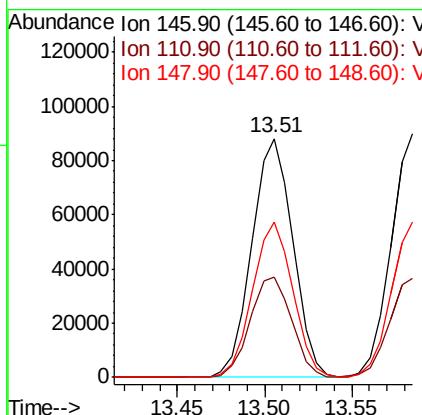
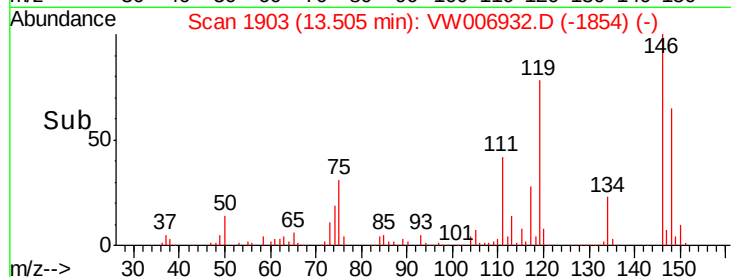
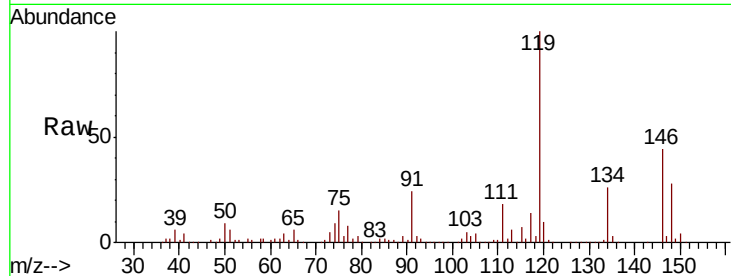




#87  
 1,3-Dichlorobenzene  
 Concen: 49.205 ug/l  
 RT: 13.51 min Scan# 1903  
 Delta R.T. 0.00 min  
 Lab File: VW006932.D  
 Acq: 17 Nov 2018 00:09

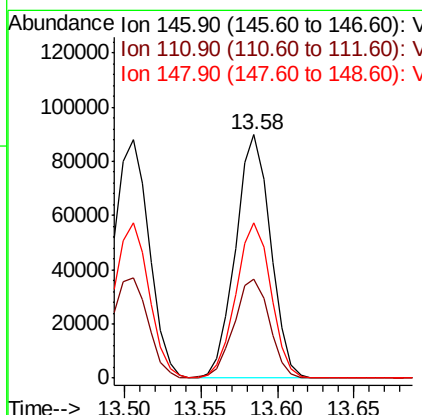
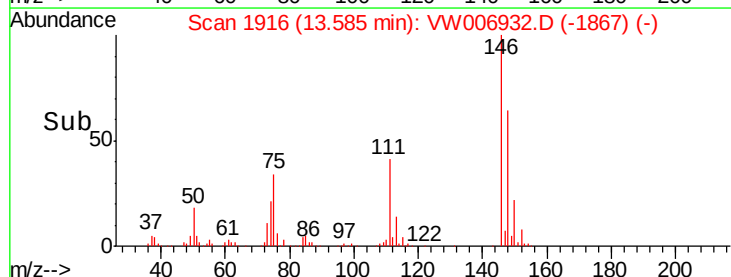
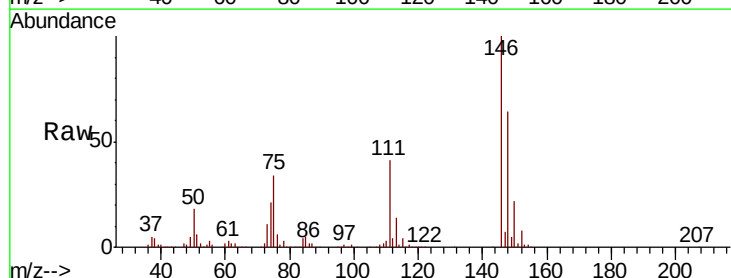
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDICCC050

Tgt Ion:146 Resp: 143626  
 Ion Ratio Lower Upper  
 146 100  
 111 42.6 21.3 63.9  
 148 63.9 31.9 95.9

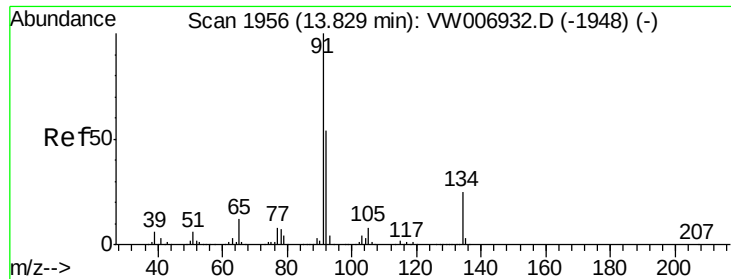


#88  
 1,4-Dichlorobenzene  
 Concen: 49.398 ug/l  
 RT: 13.58 min Scan# 1916  
 Delta R.T. 0.00 min  
 Lab File: VW006932.D  
 Acq: 17 Nov 2018 00:09

Tgt Ion:146 Resp: 142826  
 Ion Ratio Lower Upper  
 146 100  
 111 41.4 20.7 62.1  
 148 63.9 31.9 95.9







#89

n-Butylbenzene

Concen: 56.348 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

Instrument :

MSVOA\_W

ClientSampleId :

VSTDICCC050

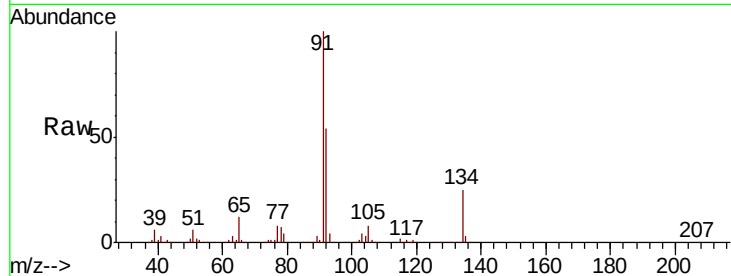
Tgt Ion: 91 Resp: 293173

Ion Ratio Lower Upper

91 100

92 52.8 26.4 79.2

134 25.7 12.9 38.6

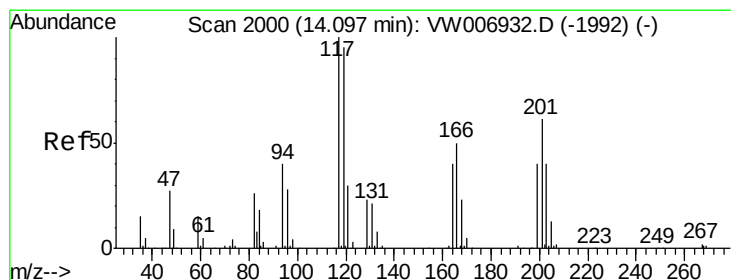
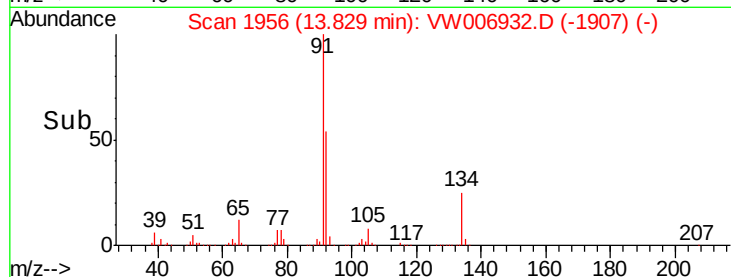
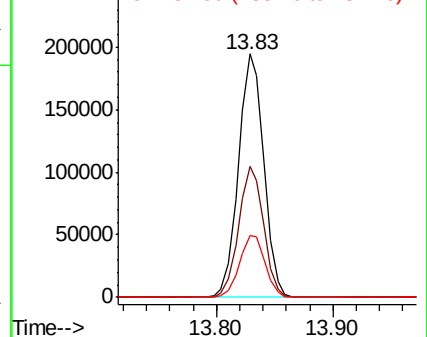


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 55.036 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW006932.D

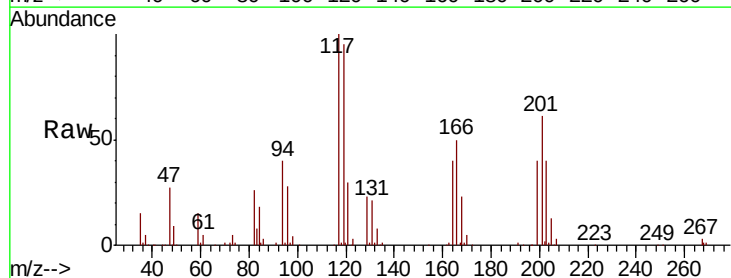
Acq: 17 Nov 2018 00:09

Tgt Ion: 117 Resp: 49971

Ion Ratio Lower Upper

117 100

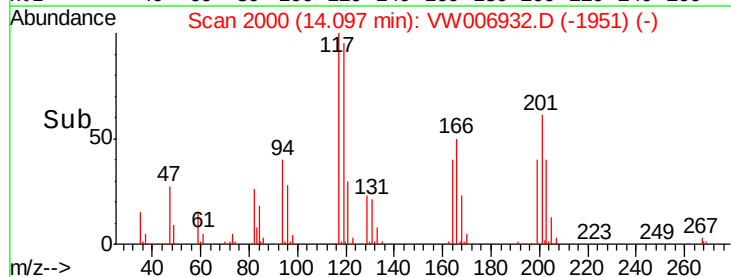
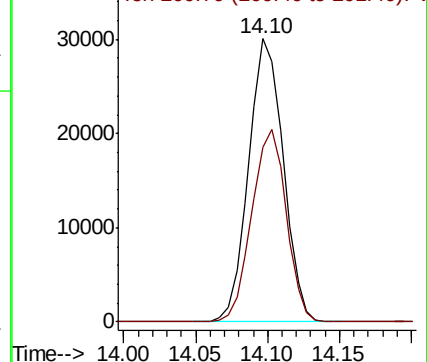
201 67.6 33.8 101.4

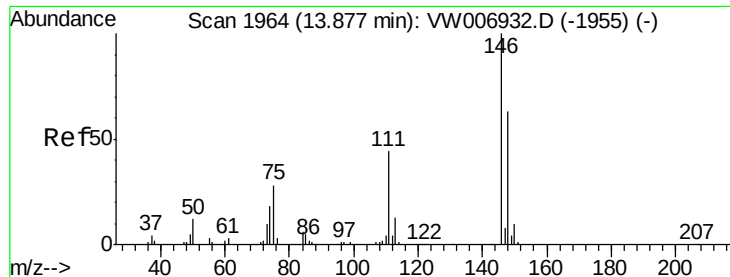


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

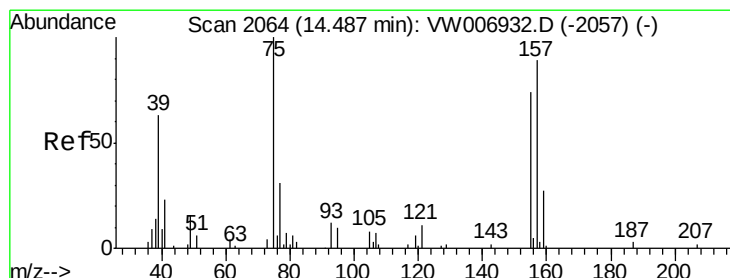
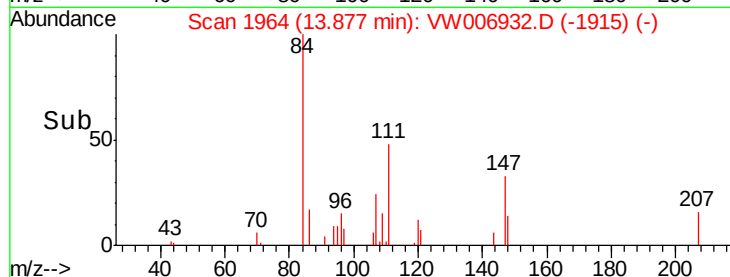
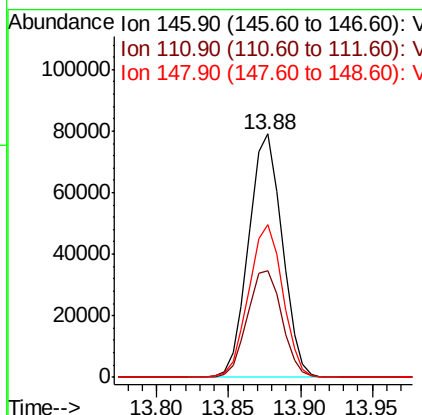
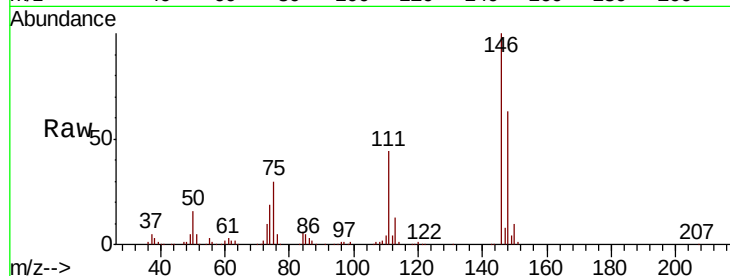




#91  
 1,2-Dichlorobenzene  
 Concen: 49.949 ug/l  
 RT: 13.88 min Scan# 1964  
 Delta R.T. 0.00 min  
 Lab File: VW006932.D  
 Acq: 17 Nov 2018 00:09

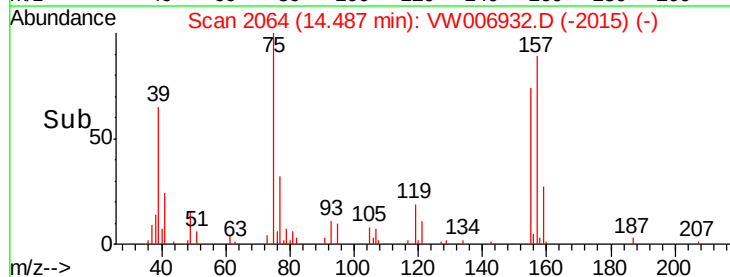
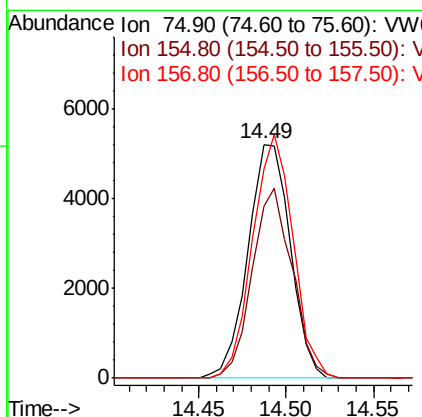
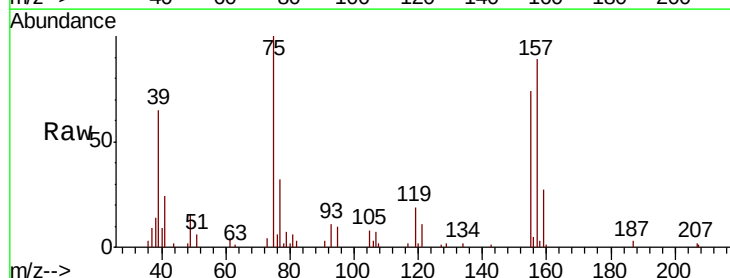
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDICCC050

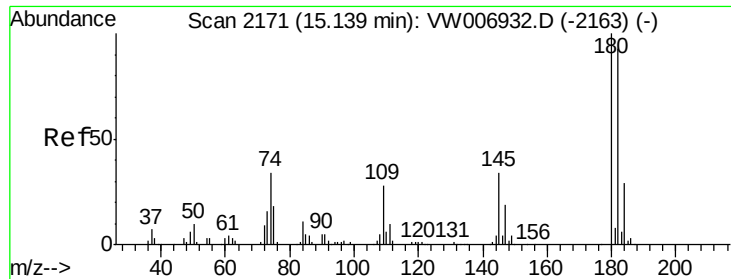
Tgt Ion:146 Resp: 127512  
 Ion Ratio Lower Upper  
 146 100  
 111 45.1 22.6 67.7  
 148 63.4 31.7 95.1



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 65.291 ug/l  
 RT: 14.49 min Scan# 2064  
 Delta R.T. 0.00 min  
 Lab File: VW006932.D  
 Acq: 17 Nov 2018 00:09

Tgt Ion: 75 Resp: 8759  
 Ion Ratio Lower Upper  
 75 100  
 155 77.1 38.6 115.7  
 157 99.4 49.7 149.1

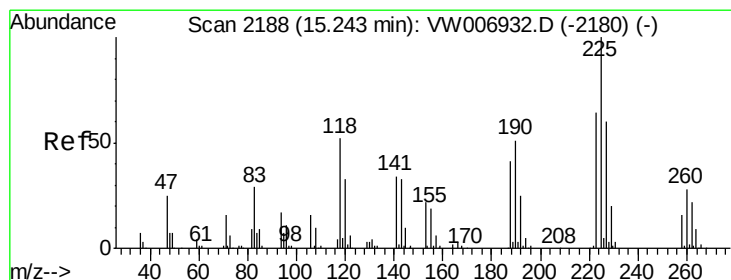
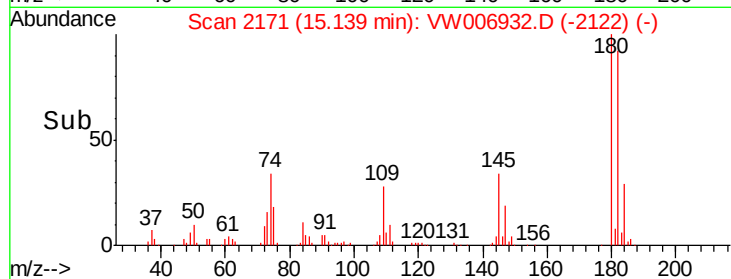
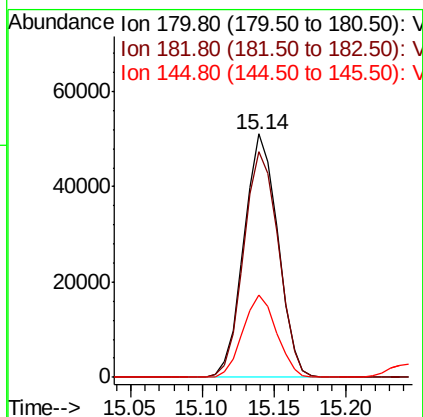
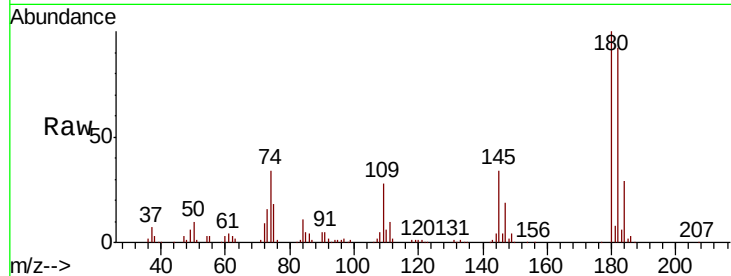




#93  
 1,2,4-Trichlorobenzene  
 Concen: 44.581 ug/l  
 RT: 15.14 min Scan# 2171  
 Delta R.T. 0.00 min  
 Lab File: VW006932.D  
 Acq: 17 Nov 2018 00:09

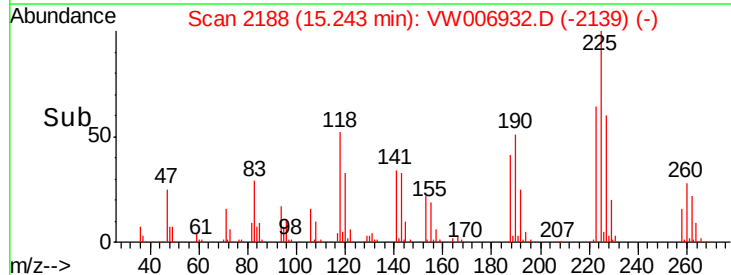
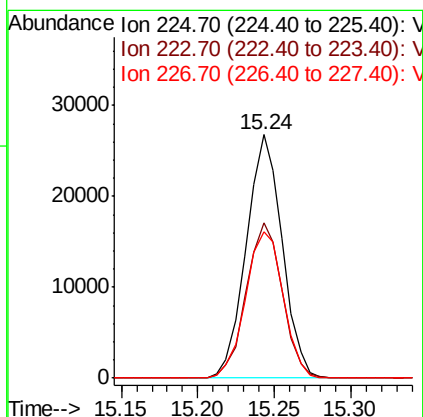
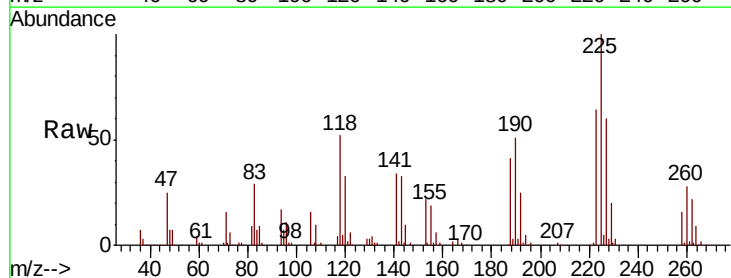
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDICCC050

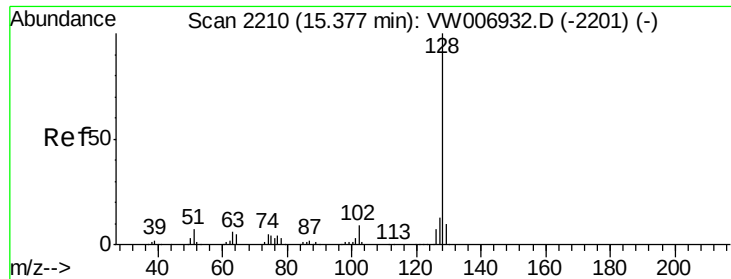
Tgt Ion:180 Resp: 83665  
 Ion Ratio Lower Upper  
 180 100  
 182 94.6 47.3 141.9  
 145 33.6 16.8 50.4



#94  
 Hexachlorobutadiene  
 Concen: 37.708 ug/l  
 RT: 15.24 min Scan# 2188  
 Delta R.T. 0.00 min  
 Lab File: VW006932.D  
 Acq: 17 Nov 2018 00:09

Tgt Ion:225 Resp: 43675  
 Ion Ratio Lower Upper  
 225 100  
 223 64.2 32.1 96.3  
 227 63.3 31.6 95.0

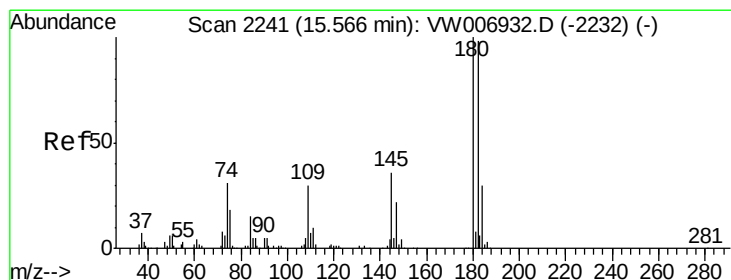
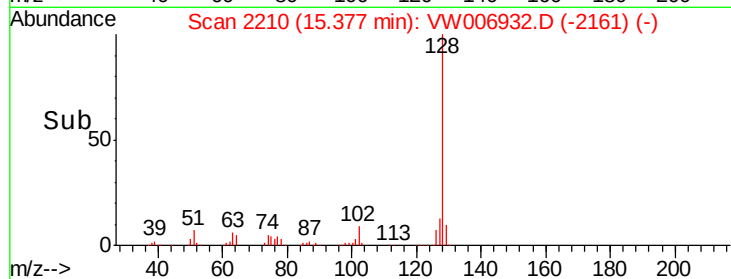
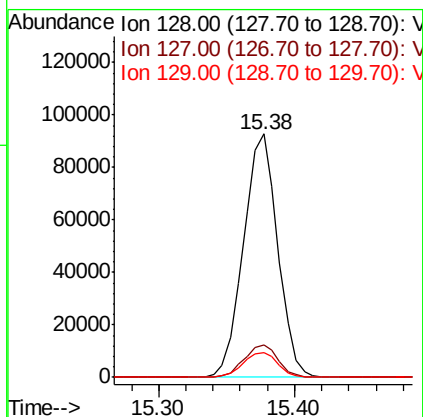
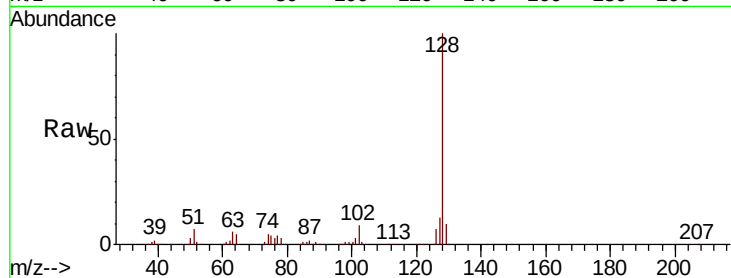




#95  
Naphthalene  
Concen: 55.738 ug/l  
RT: 15.38 min Scan# 2210  
Delta R.T. 0.00 min  
Lab File: VW006932.D  
Acq: 17 Nov 2018 00:09

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICCC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.2  | 10.6  | 15.8  |
| 129     | 10.6  | 8.5   | 12.7  |



#96  
1,2,3-Trichlorobenzene  
Concen: 44.199 ug/l  
RT: 15.57 min Scan# 2241  
Delta R.T. 0.00 min  
Lab File: VW006932.D  
Acq: 17 Nov 2018 00:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.8  | 47.4  | 142.2 |
| 145     | 35.3  | 17.6  | 52.9  |

