

Data File : VW006786.D  
Acq On : 09 Nov 2018 13:58  
Operator : SY/AP  
Sample : VSTDIC075  
Misc : 5.00G/5ML/MSVOA\_W/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC075

Quant Time: Nov 09 14:21:30 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W110918S.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 09 13:58:37 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 308448   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 406073   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 401209   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 231836   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65  | 150243   | 56.67 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 113.34% |      |
| 35) Dibromofluoromethane    | 7.89   | 113 | 157820   | 61.93 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 123.86% |      |
| 50) Toluene-d8              | 10.33  | 98  | 686661   | 70.78 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 141.56% |      |
| 62) 4-Bromofluorobenzene    | 12.62  | 95  | 253303   | 72.02 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 144.04% |      |

|                               |      |     |         |         |      |     |
|-------------------------------|------|-----|---------|---------|------|-----|
| Target Compounds              |      |     |         | Qvalue  |      |     |
| 2) Dichlorodifluoromethane    | 2.00 | 85  | 167867  | 104.983 | ug/l | 99  |
| 3) Chloromethane              | 2.21 | 50  | 203494  | 102.857 | ug/l | 99  |
| 4) Vinyl Chloride             | 2.36 | 62  | 217833  | 78.855  | ug/l | 100 |
| 5) Bromomethane               | 2.78 | 94  | 142945  | 61.659  | ug/l | 100 |
| 6) Chloroethane               | 2.92 | 64  | 137947  | 71.470  | ug/l | 98  |
| 7) Trichlorofluoromethane     | 3.26 | 101 | 266992  | 109.448 | ug/l | 99  |
| 8) Diethyl Ether              | 3.69 | 74  | 77899   | 58.418  | ug/l | 99  |
| 9) 1,1,2-Trichlorotrifluoroet | 4.07 | 101 | 171743  | 65.930  | ug/l | 100 |
| 10) Methyl Iodide             | 4.28 | 142 | 270123  | 57.191  | ug/l | 100 |
| 11) Tert butyl alcohol        | 5.21 | 59  | 53408   | 373.860 | ug/l | 100 |
| 12) 1,1-Dichloroethene        | 4.04 | 96  | 152601  | 60.654  | ug/l | 100 |
| 13) Acrolein                  | 3.90 | 56  | 55563   | 309.245 | ug/l | 99  |
| 14) Allyl chloride            | 4.68 | 41  | 205676  | 62.628  | ug/l | 99  |
| 15) Acrylonitrile             | 5.38 | 53  | 174240  | 364.417 | ug/l | 99  |
| 16) Acetone                   | 4.15 | 43  | 112243  | 262.209 | ug/l | 95  |
| 17) Carbon Disulfide          | 4.39 | 76  | 523714  | 73.148  | ug/l | 100 |
| 18) Methyl Acetate            | 4.68 | 43  | 77878   | 63.268  | ug/l | 98  |
| 19) Methyl tert-butyl Ether   | 5.43 | 73  | 382540  | 102.147 | ug/l | 100 |
| 20) Methylene Chloride        | 4.92 | 84  | 184046  | 55.219  | ug/l | 96  |
| 21) trans-1,2-Dichloroethene  | 5.43 | 96  | 177649  | 62.401  | ug/l | 99  |
| 22) Diisopropyl ether         | 6.32 | 45  | 443124  | 64.722  | ug/l | 99  |
| 23) Vinyl Acetate             | 6.26 | 43  | 1312883 | 345.791 | ug/l | 99  |
| 24) 1,1-Dichloroethane        | 6.23 | 63  | 278526  | 60.025  | ug/l | 99  |
| 25) 2-Butanone                | 7.18 | 43  | 197514  | 323.351 | ug/l | 99  |
| 26) 2,2-Dichloropropane       | 7.17 | 77  | 255981  | 91.580  | ug/l | 99  |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96  | 190751  | 59.890  | ug/l | 99  |
| 28) Bromochloromethane        | 7.52 | 49  | 107361  | 58.268  | ug/l | 100 |
| 29) Tetrahydrofuran           | 7.54 | 42  | 130677  | 340.126 | ug/l | 99  |
| 30) Chloroform                | 7.68 | 83  | 302106  | 59.383  | ug/l | 99  |
| 31) Cyclohexane               | 7.96 | 56  | 273527  | 64.767  | ug/l | 98  |
| 32) 1,1,1-Trichloroethane     | 7.88 | 97  | 285887  | 66.411  | ug/l | 98  |
| 36) 1,1-Dichloropropene       | 8.09 | 75  | 254993  | 71.406  | ug/l | 100 |
| 37) Ethyl Acetate             | 7.26 | 43  | 92838   | 75.020  | ug/l | 99  |
| 38) Carbon Tetrachloride      | 8.07 | 117 | 266015  | 71.290  | ug/l | 97  |

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Quant Title : SW846 8260  
QLast Update : Fri Nov 09 13:58:37 2018  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 337017   | 74.368   | ug/l   | 99       |
| 40) Benzene                    | 8.33  | 78   | 723569   | 71.337   | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.49  | 41   | 58066    | 76.520   | ug/l   | 89       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 191388   | 65.794   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.43  | 43   | 182316   | 73.829   | ug/l   | 98       |
| 44) Trichloroethene            | 9.10  | 130  | 219586   | 70.156   | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 167453   | 70.940   | ug/l   | 100      |
| 46) Dibromomethane             | 9.46  | 93   | 94627    | 68.196   | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.65  | 83   | 227543   | 70.625   | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.44  | 41   | 89562    | 75.277   | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.47  | 88   | 31578    | 1555.036 | ug/l # | 97       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 481458   | 379.621  | ug/l   | 99       |
| 52) Toluene                    | 10.39 | 92   | 522026   | 76.734   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.61 | 75   | 238469   | 76.908   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 10.08 | 75   | 275154   | 75.093   | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 142021   | 72.137   | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 175334   | 78.354   | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 227960   | 71.306   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 9.93  | 63   | 428145   | 393.601  | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.97 | 43   | 336763   | 390.952  | ug/l   | 99       |
| 60) Dibromochloromethane       | 11.13 | 129  | 177394   | 76.049   | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 139953   | 71.584   | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.87 | 164  | 212228   | 66.358   | ug/l   | 99       |
| 65) Chlorobenzene              | 11.66 | 112  | 599067   | 70.957   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 195059   | 65.733   | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.74 | 91   | 1036410  | 73.444   | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.84 | 106  | 846036   | 150.063  | ug/l   | 100      |
| 69) o-Xylene                   | 12.17 | 106  | 395923   | 73.765   | ug/l   | 100      |
| 70) Styrene                    | 12.18 | 104  | 654608   | 74.807   | ug/l   | 99       |
| 71) Bromoform                  | 12.35 | 173  | 112859   | 71.748   | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.47 | 105  | 1087144  | 71.184   | ug/l   | 100      |
| 74) N-amyl acetate             | 12.28 | 43   | 187230   | 70.945   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.72 | 83   | 161609   | 66.999   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 215132   | 118.933  | ug/l # | 100      |
| 77) Bromobenzene               | 12.75 | 156  | 273848   | 69.256   | ug/l   | 99       |
| 78) n-propylbenzene            | 12.81 | 91   | 1280961  | 72.921   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.90 | 91   | 713897   | 70.813   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.95 | 105  | 932717   | 72.695   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.52 | 75   | 49803    | 79.955   | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 760815   | 71.333   | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.21 | 119  | 824446   | 72.055   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.26 | 105  | 962411   | 73.129   | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.39 | 105  | 1161103  | 72.455   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.51 | 119  | 1070445  | 73.411   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.51 | 146  | 551360   | 70.803   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 543162   | 70.366   | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.83 | 91   | 984272   | 76.042   | ug/l   | 100      |
| 90) Hexachloroethane           | 14.10 | 117  | 167858   | 70.042   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.88 | 146  | 485664   | 69.334   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 26537    | 67.801   | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW110918\  
Quantitation Report (Not Reviewed)

Data File : VW006786.D  
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Operator : SY/AP  
Sample : VSTDICC075  
Misc : 5.00G/5ML/MSVOA\_W/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICC075

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Quant Title : SW846 8260  
QLast Update : Fri Nov 09 13:58:37 2018  
Response via : Initial Calibration

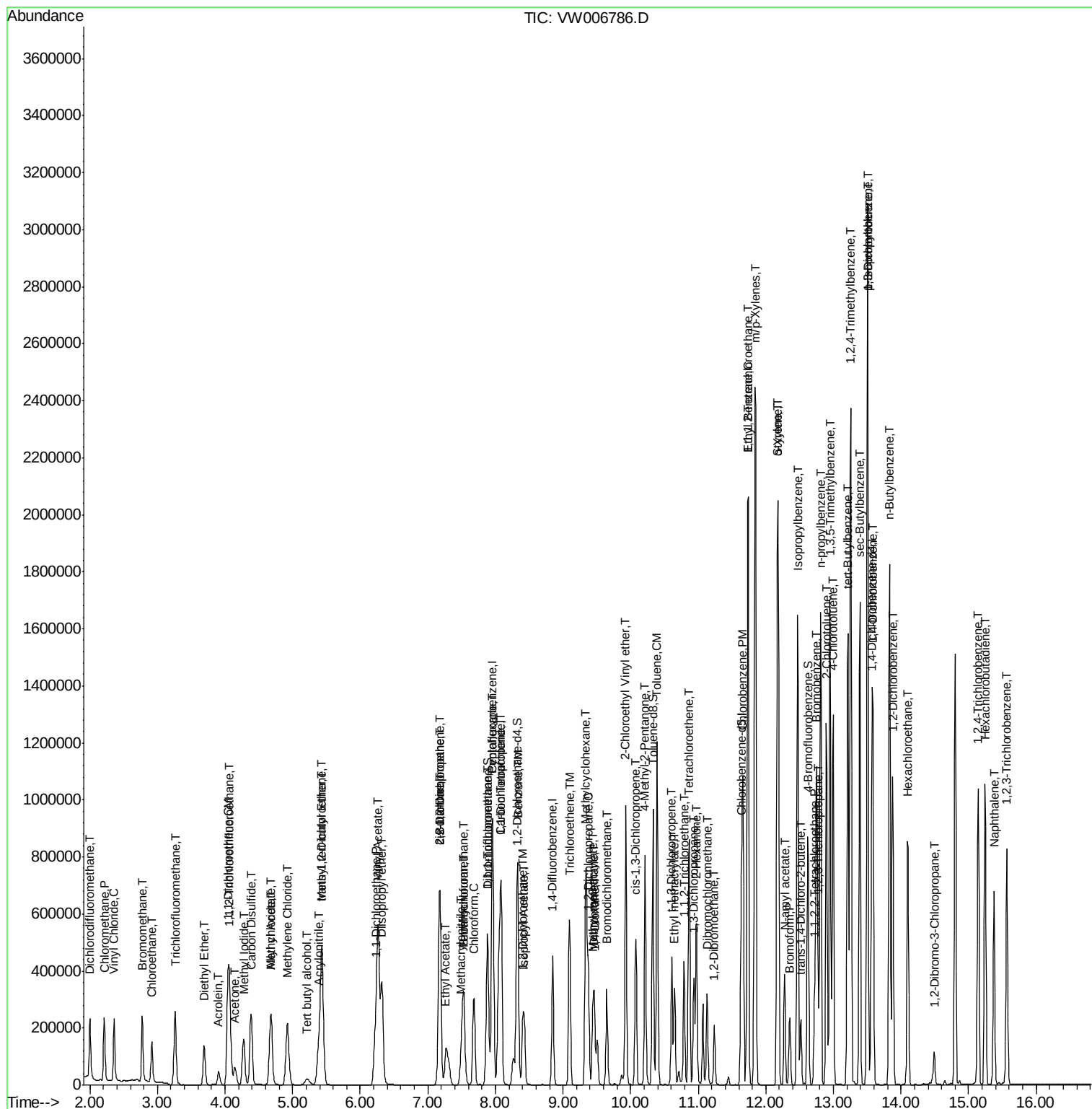
| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.14 | 180  | 370984   | 71.226 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 225052   | 69.327 | ug/l  | 100      |
| 95) Naphthalene            | 15.38 | 128  | 615197   | 73.490 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.57 | 180  | 319587   | 69.814 | ug/l  | 99       |

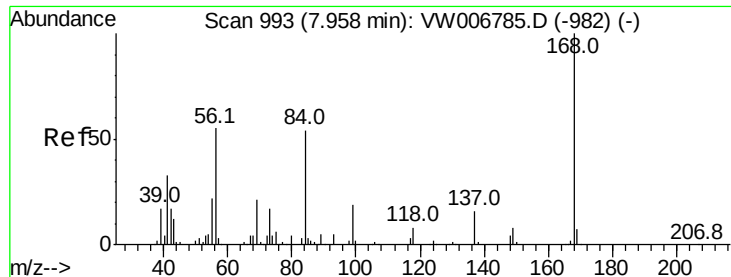
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006786.D

Acq: 09 Nov 2018 13:58

Instrument :

MSVOA\_W

ClientSampleId :

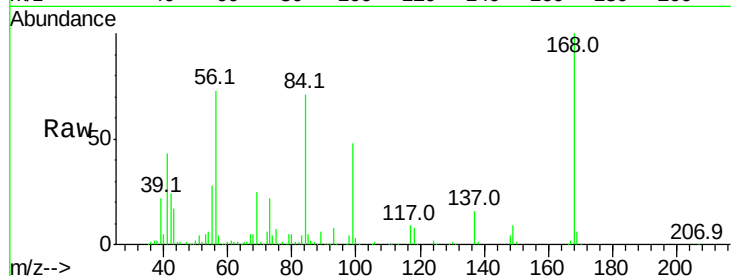
VSTDIC075

Tgt Ion:168 Resp: 308448

Ion Ratio Lower Upper

168 100

99 48.0 36.8 55.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

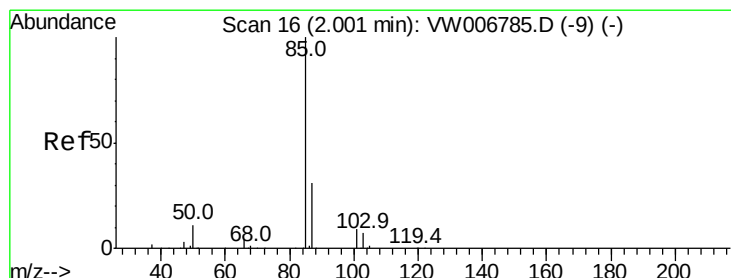
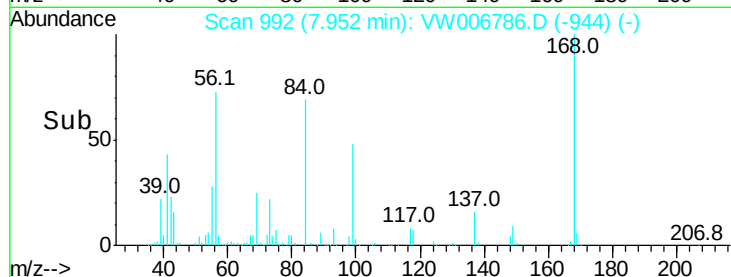
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 104.983 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW006786.D

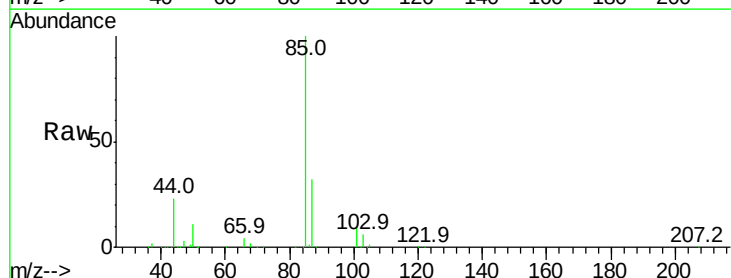
Acq: 09 Nov 2018 13:58

Tgt Ion: 85 Resp: 167867

Ion Ratio Lower Upper

85 100

87 32.2 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

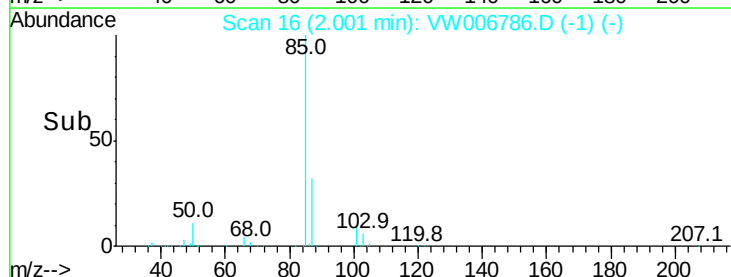
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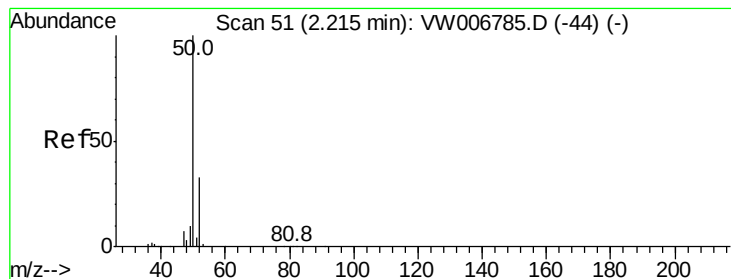
50000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 102.857 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW006786.D

Acq: 09 Nov 2018 13:58

Instrument :

MSVOA\_W

ClientSampled :

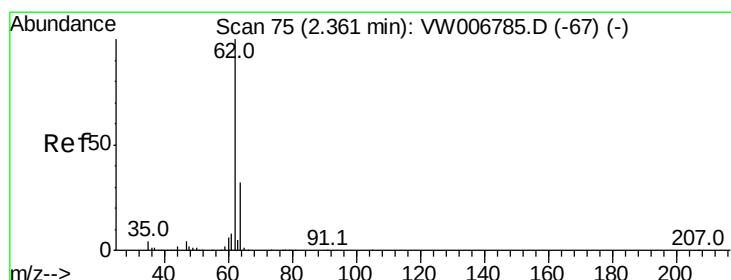
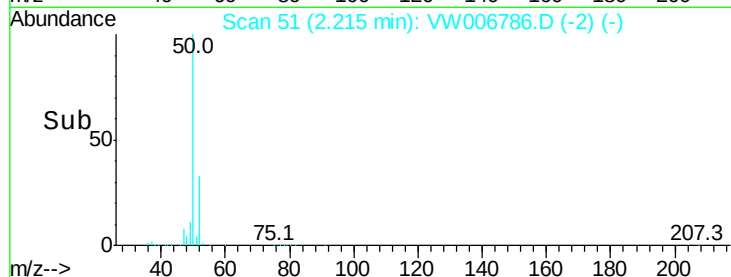
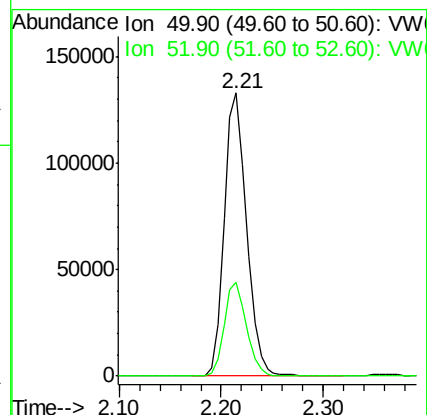
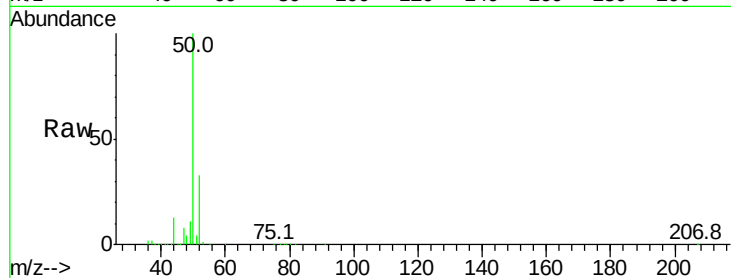
VSTDIC075

Tgt Ion: 50 Resp: 203494

Ion Ratio Lower Upper

50 100

52 33.4 26.2 39.4



#4

Vinyl Chloride

Concen: 78.855 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW006786.D

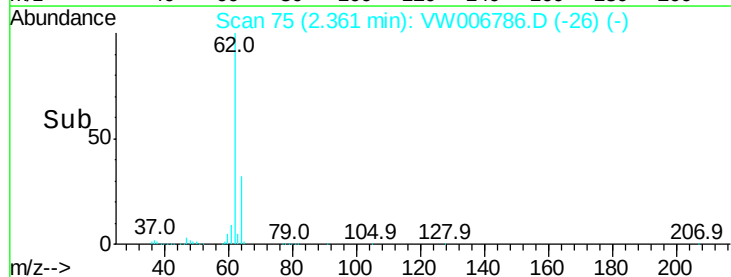
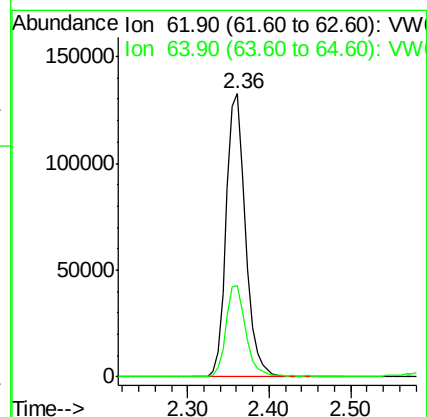
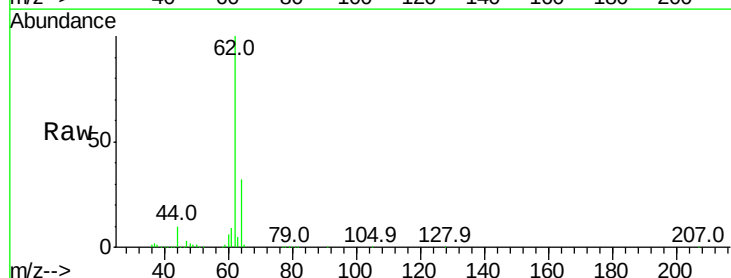
Acq: 09 Nov 2018 13:58

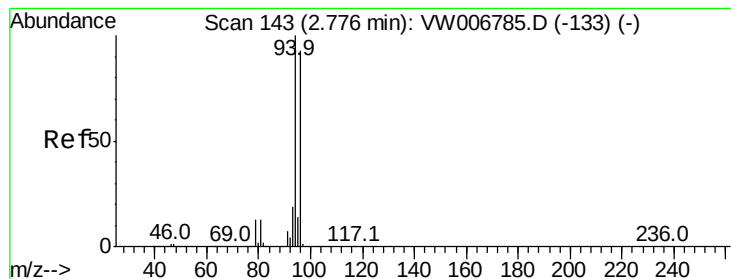
Tgt Ion: 62 Resp: 217833

Ion Ratio Lower Upper

62 100

64 32.0 25.8 38.6





#5

Bromomethane

Concen: 61.659 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW006786.D

Acq: 09 Nov 2018 13:58

Instrument :

MSVOA\_W

ClientSampleId :

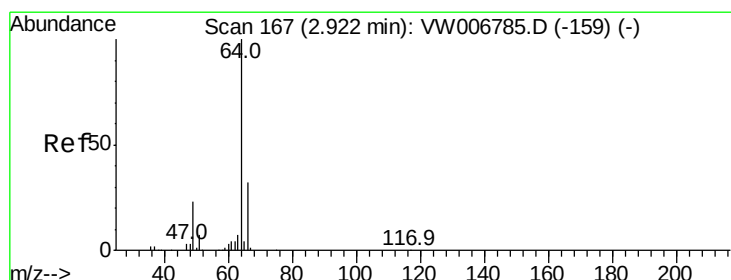
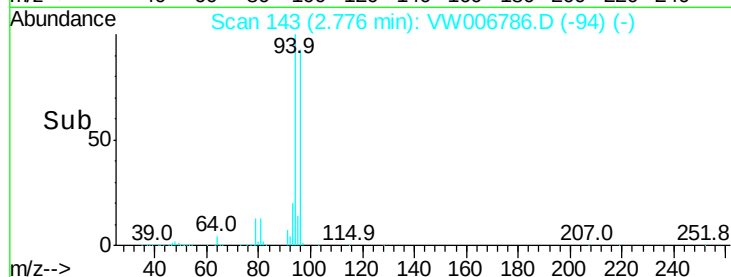
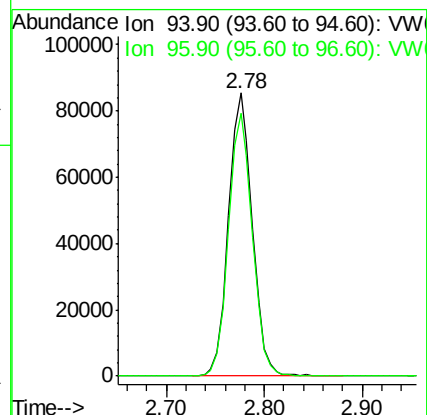
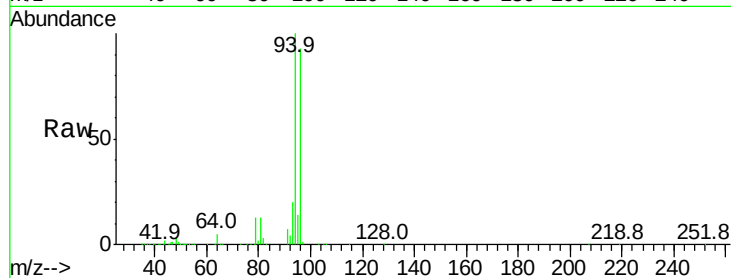
VSTDIC075

Tgt Ion: 94 Resp: 142945

Ion Ratio Lower Upper

94 100

96 93.0 74.5 111.7



#6

Chloroethane

Concen: 71.470 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW006786.D

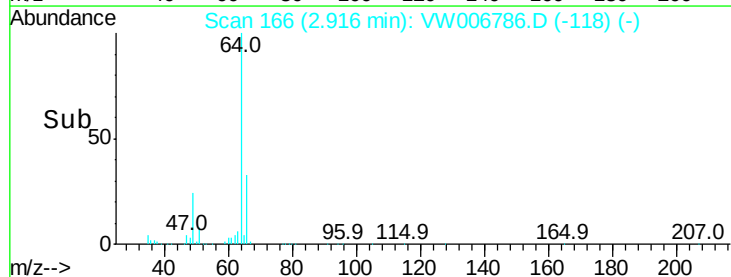
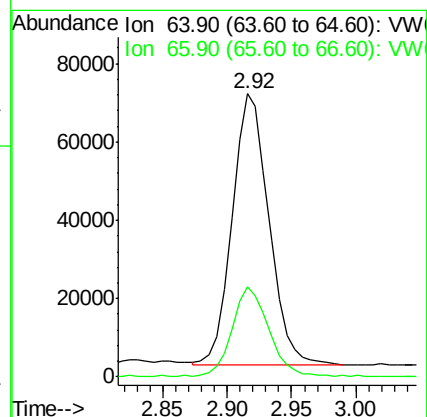
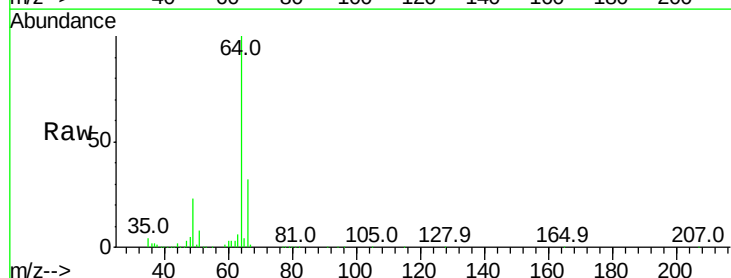
Acq: 09 Nov 2018 13:58

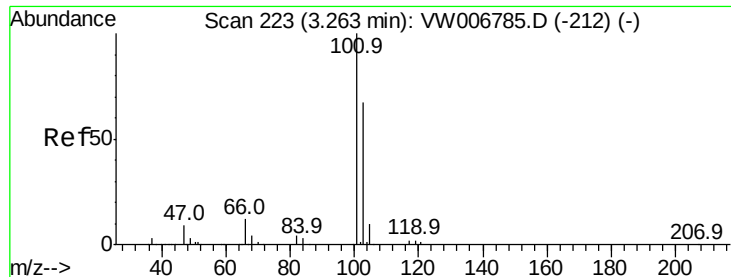
Tgt Ion: 64 Resp: 137947

Ion Ratio Lower Upper

64 100

66 32.7 25.4 38.2



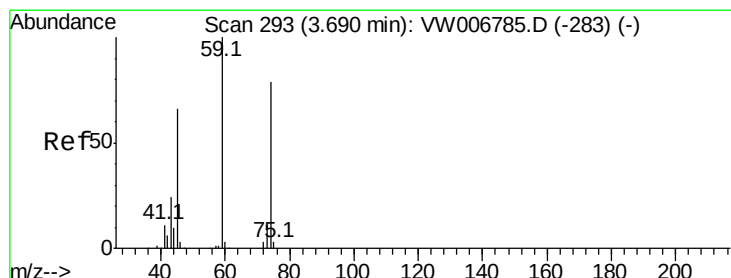
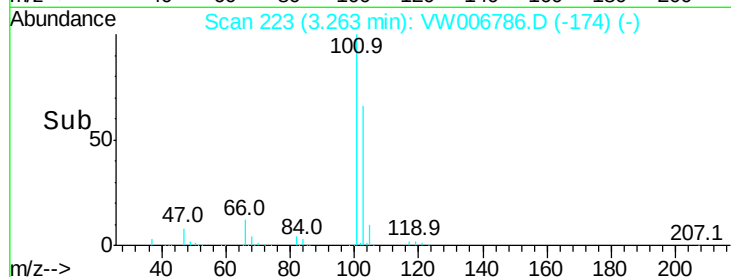
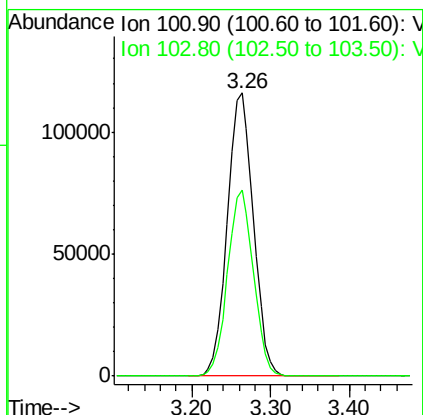
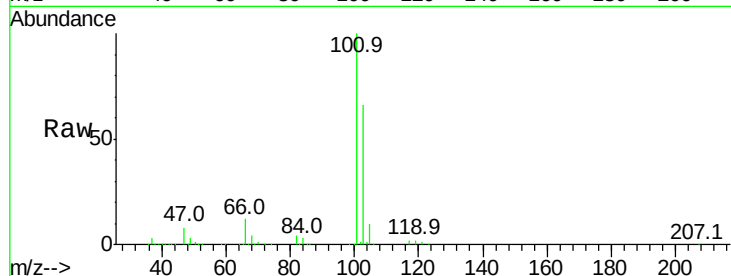


#7

Trichlorofluoromethane  
 Concen: 109.448 ug/l  
 RT: 3.26 min Scan# 223  
 Delta R.T. 0.00 min  
 Lab File: VW006786.D  
 Acq: 09 Nov 2018 13:58

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC075

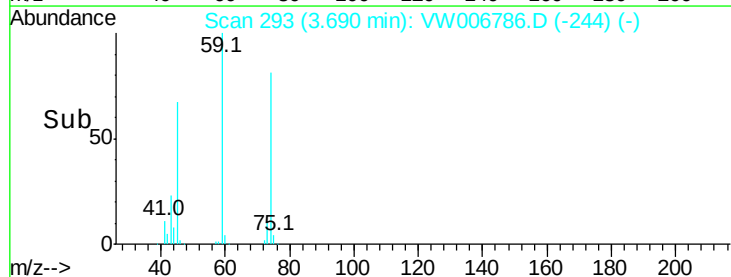
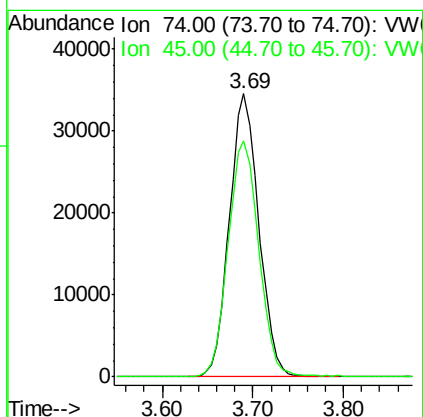
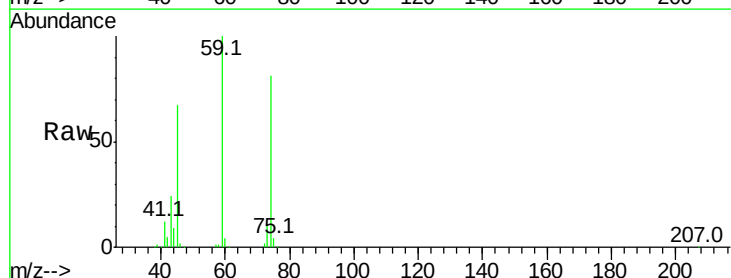
Tgt Ion:101 Resp: 266992  
 Ion Ratio Lower Upper  
 101 100  
 103 65.9 53.4 80.0



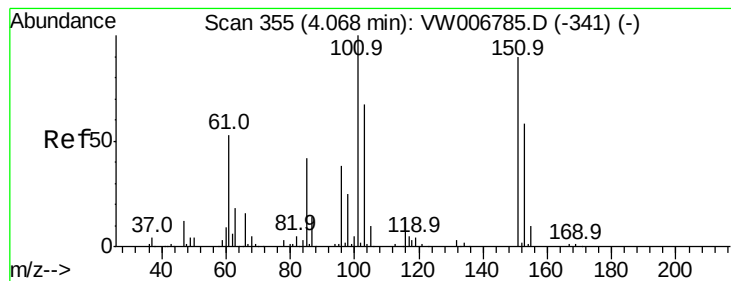
#8

Diethyl Ether  
 Concen: 58.418 ug/l  
 RT: 3.69 min Scan# 293  
 Delta R.T. 0.00 min  
 Lab File: VW006786.D  
 Acq: 09 Nov 2018 13:58

Tgt Ion: 74 Resp: 77899  
 Ion Ratio Lower Upper  
 74 100  
 45 87.5 44.0 132.1







#9

1,1,2-Trichlorotrifluoroethane

Concen: 65.930 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW006786.D

Acq: 09 Nov 2018 13:58

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC075

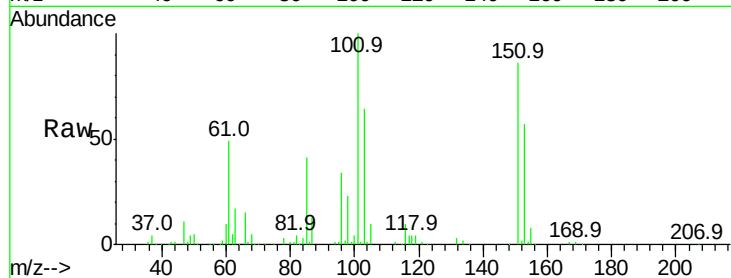
Tgt Ion:101 Resp: 171743

Ion Ratio Lower Upper

101 100

85 42.1 34.0 51.0

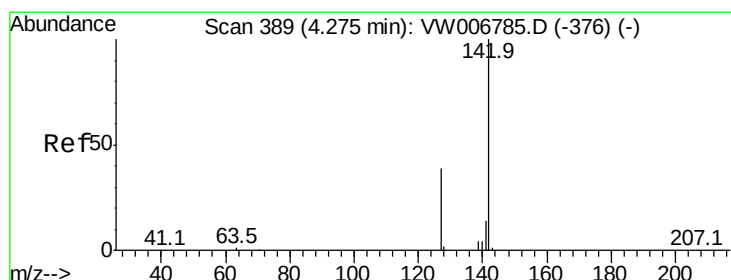
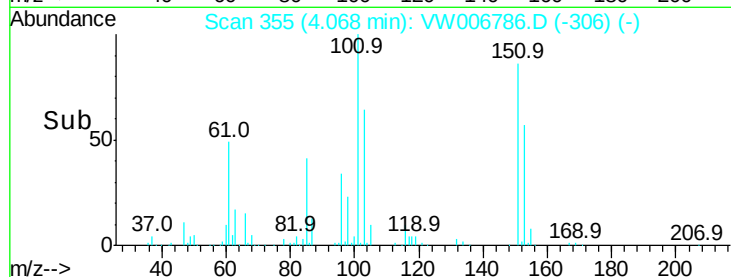
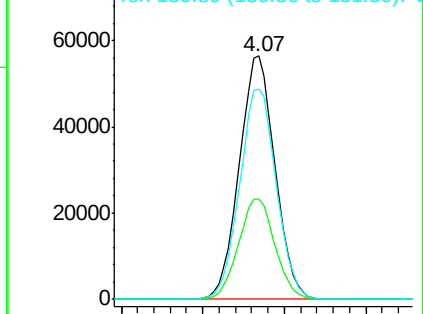
151 88.5 70.7 106.1



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: 57.191 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.00 min

Lab File: VW006786.D

Acq: 09 Nov 2018 13:58

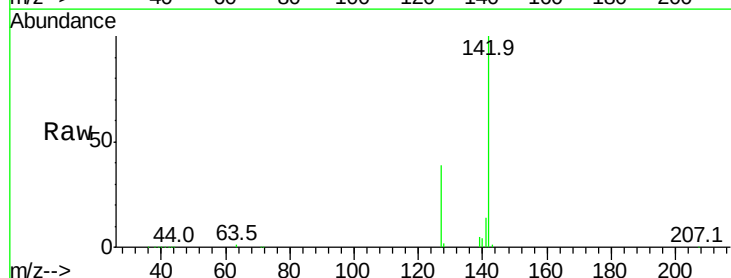
Tgt Ion:142 Resp: 270123

Ion Ratio Lower Upper

142 100

127 40.1 32.3 48.5

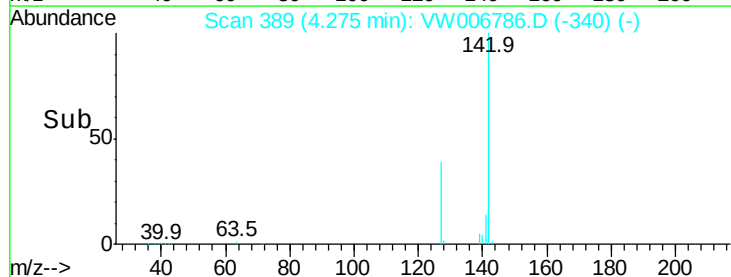
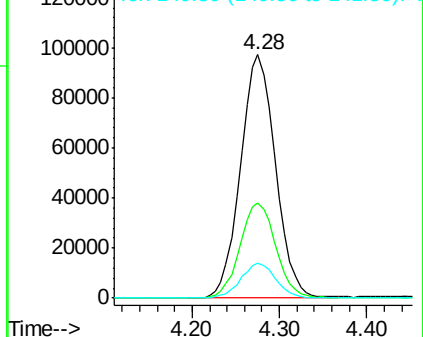
141 14.4 11.4 17.0

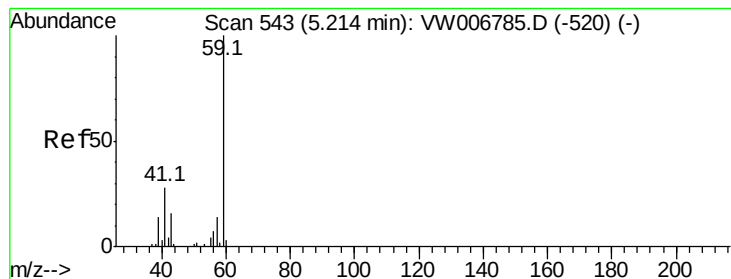


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 373.860 ug/l

RT: 5.21 min Scan# 543

Delta R.T. 0.00 min

Lab File: VW006786.D

Acq: 09 Nov 2018 13:58

Instrument :

MSVOA\_W

ClientSampleId :

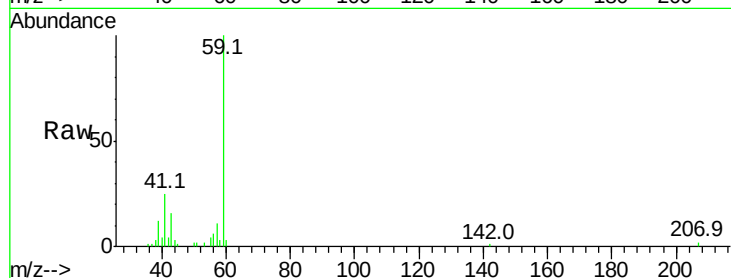
VSTDIC075

Tgt Ion: 59 Resp: 53408

Ion Ratio Lower Upper

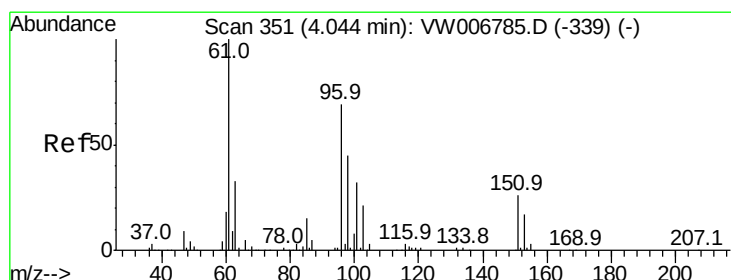
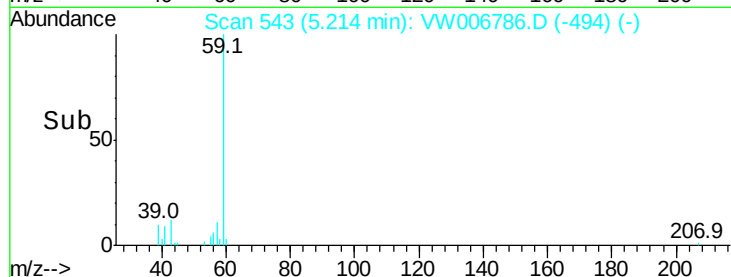
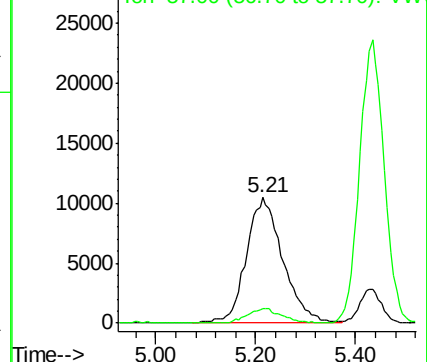
59 100

57 10.8 8.7 13.1



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 60.654 ug/l

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW006786.D

Acq: 09 Nov 2018 13:58

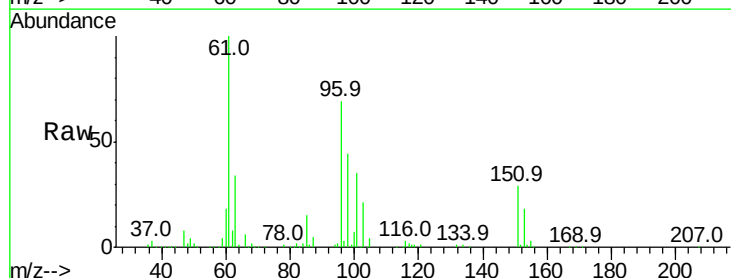
Tgt Ion: 96 Resp: 152601

Ion Ratio Lower Upper

96 100

61 145.5 116.0 174.0

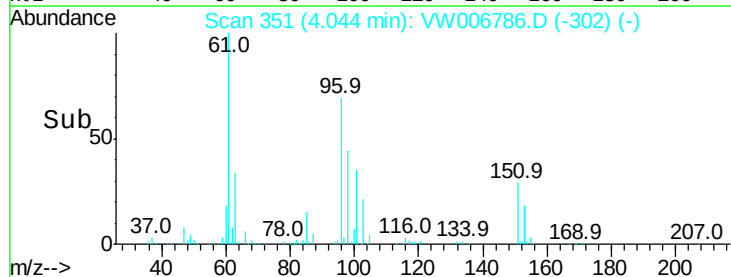
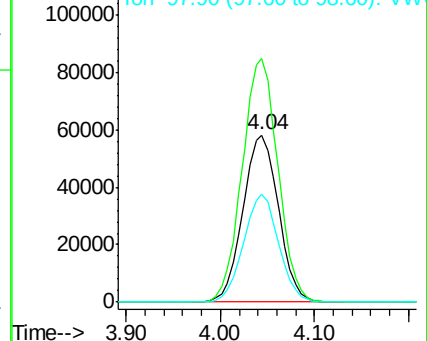
98 64.7 52.0 78.0

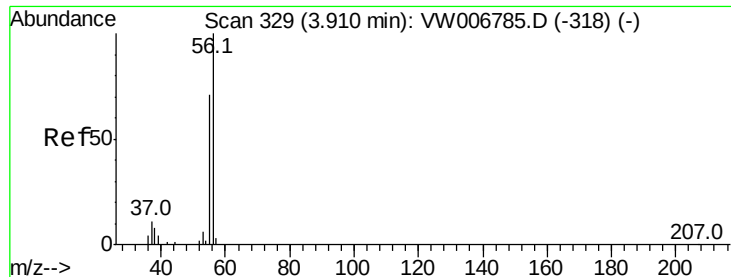


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#13

Acrolein

Concen: 309.245 ug/l

RT: 3.90 min Scan# 328

Delta R.T. -0.01 min

Lab File: VW006786.D

Acq: 09 Nov 2018 13:58

Instrument :

MSVOA\_W

ClientSampleId :

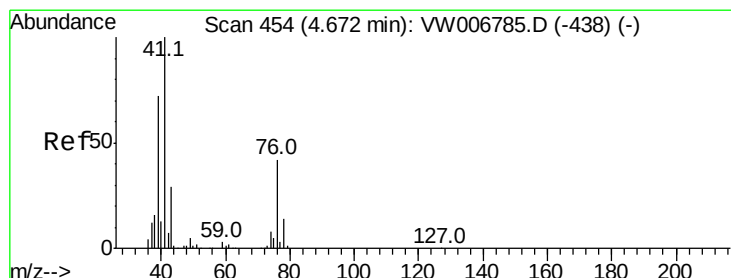
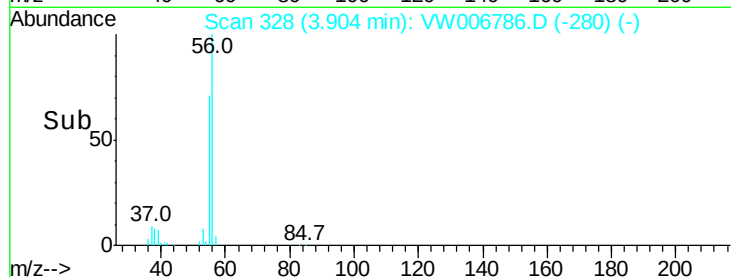
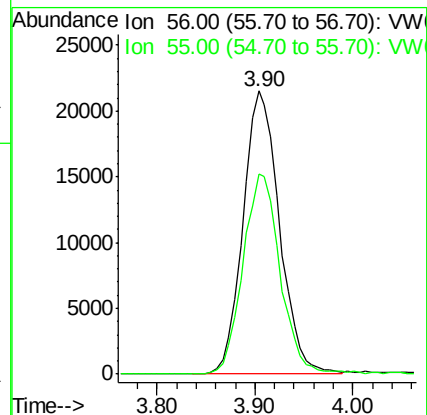
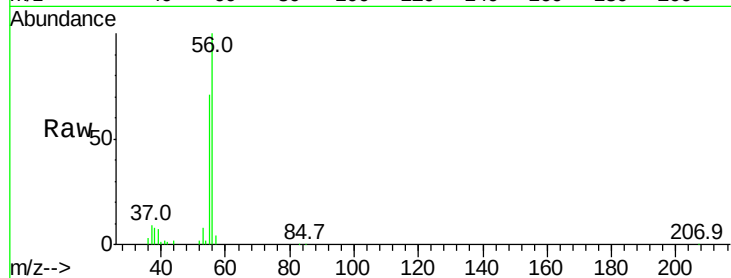
VSTDIC075

Tgt Ion: 56 Resp: 55563

Ion Ratio Lower Upper

56 100

55 72.3 56.9 85.3



#14

Allyl chloride

Concen: 62.628 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW006786.D

Acq: 09 Nov 2018 13:58

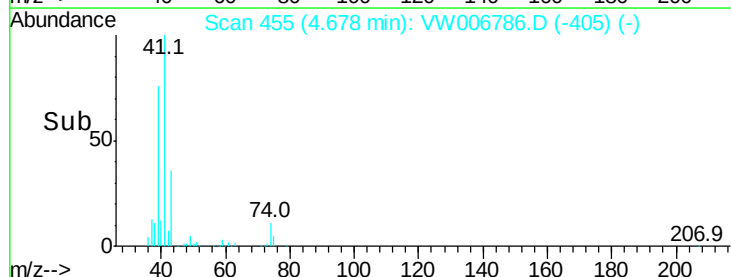
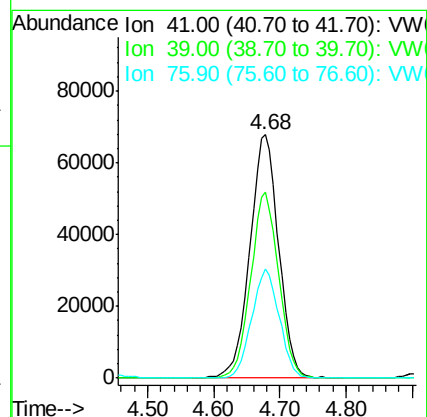
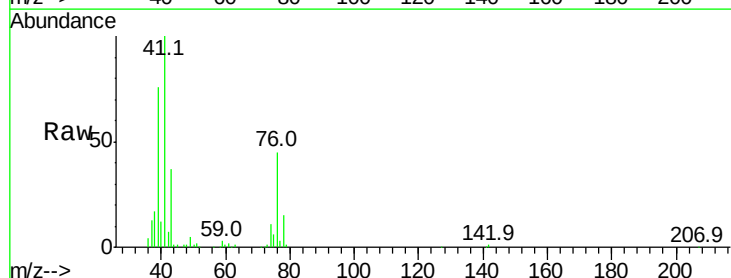
Tgt Ion: 41 Resp: 205676

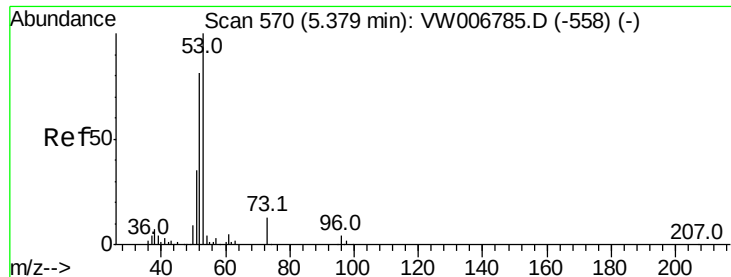
Ion Ratio Lower Upper

41 100

39 73.8 60.0 90.0

76 42.6 34.2 51.4





#15

Acrylonitrile

Concen: 364.417 ug/l

RT: 5.38 min Scan# 571

Delta R.T. 0.01 min

Lab File: VW006786.D

Acq: 09 Nov 2018 13:58

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC075

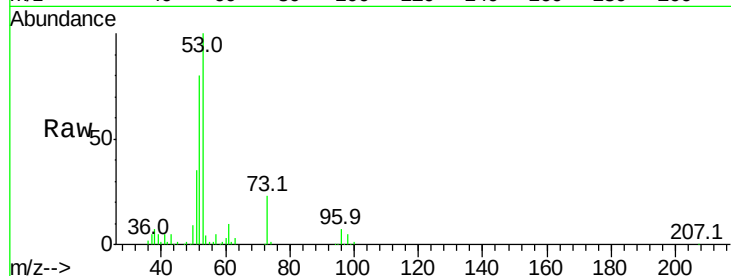
Tgt Ion: 53 Resp: 174240

Ion Ratio Lower Upper

53 100

52 81.5 65.2 97.8

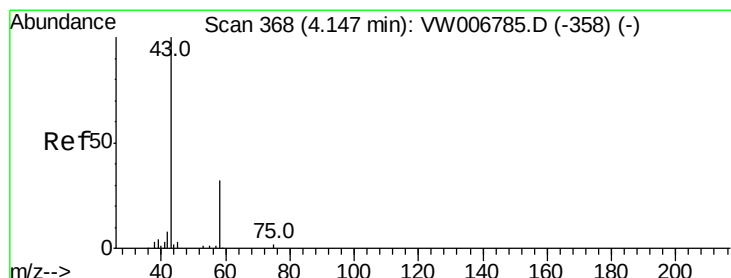
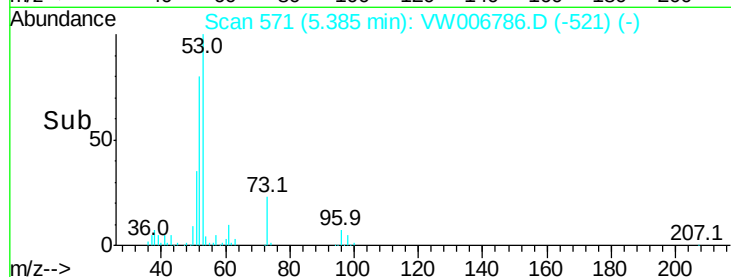
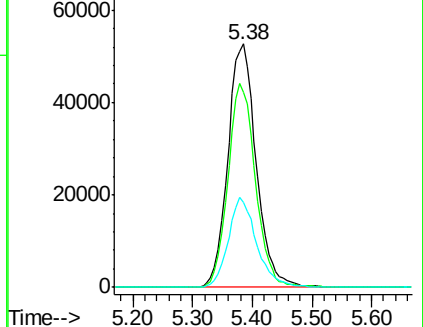
51 36.9 30.2 45.4



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 262.209 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.00 min

Lab File: VW006786.D

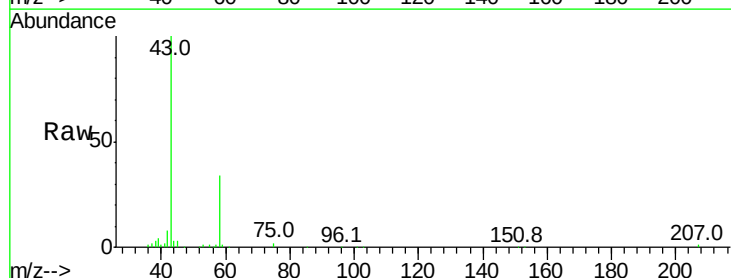
Acq: 09 Nov 2018 13:58

Tgt Ion: 43 Resp: 112243

Ion Ratio Lower Upper

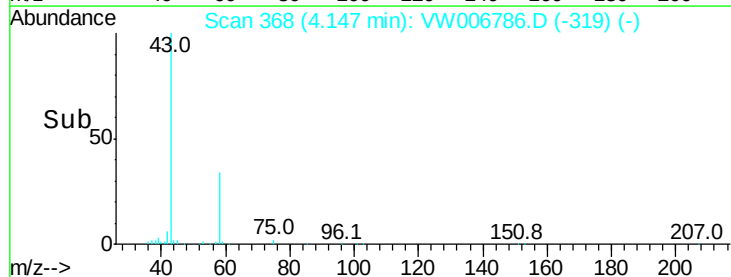
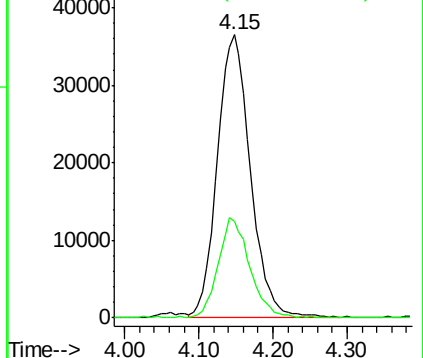
43 100

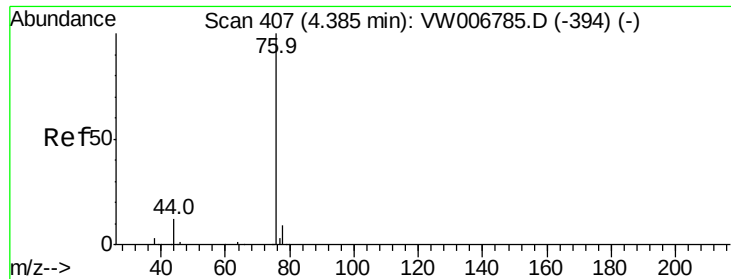
58 34.2 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

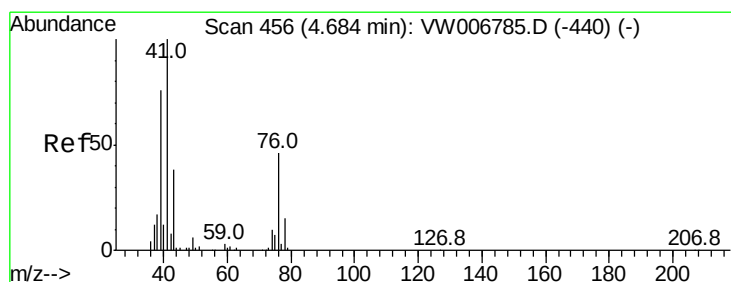
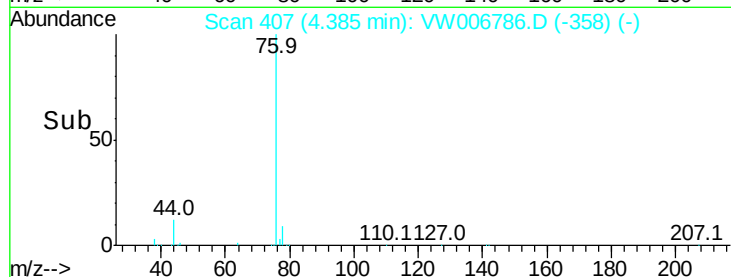
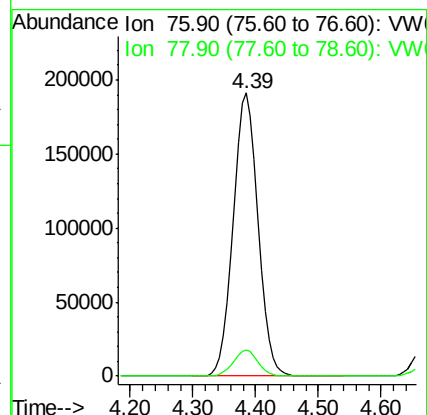
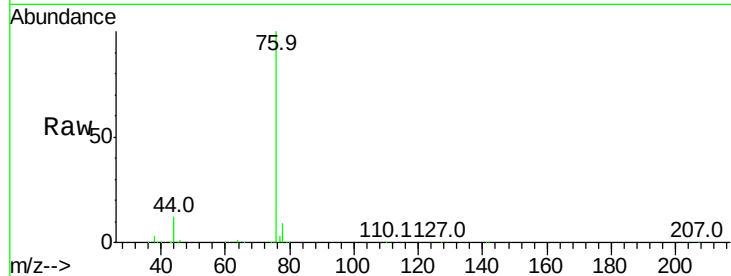




#17  
Carbon Disulfide  
Concen: 73.148 ug/l  
RT: 4.39 min Scan# 407  
Delta R.T. 0.00 min  
Lab File: VW006786.D  
Acq: 09 Nov 2018 13:58

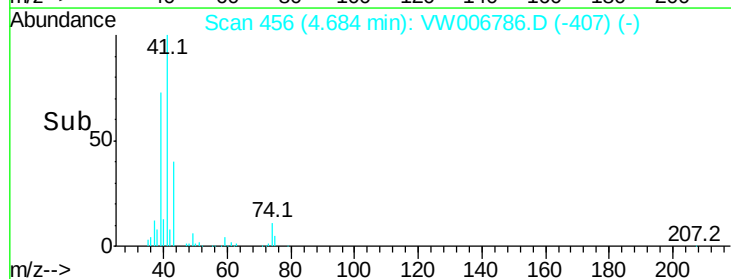
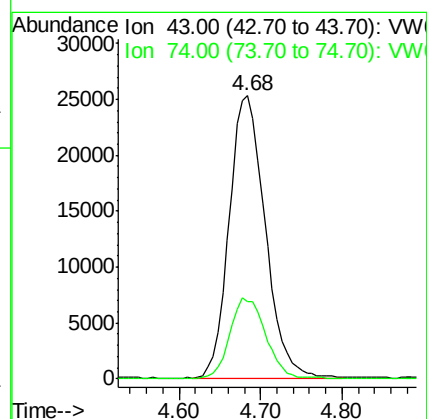
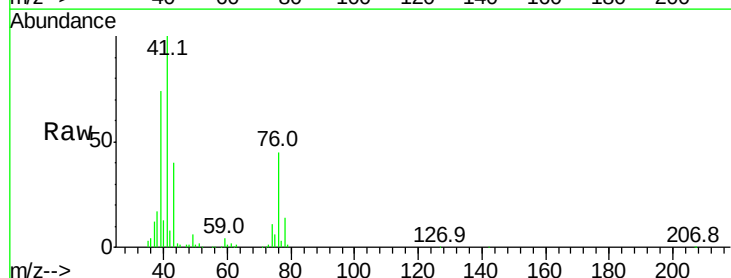
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC075

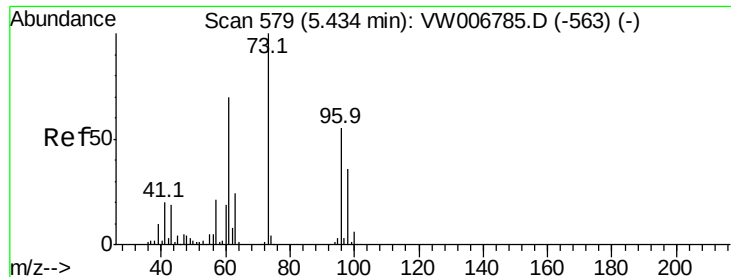
Tgt Ion: 76 Resp: 523714  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.4 11.0



#18  
Methyl Acetate  
Concen: 63.268 ug/l  
RT: 4.68 min Scan# 456  
Delta R.T. 0.00 min  
Lab File: VW006786.D  
Acq: 09 Nov 2018 13:58

Tgt Ion: 43 Resp: 77878  
Ion Ratio Lower Upper  
43 100  
74 28.3 21.8 32.8

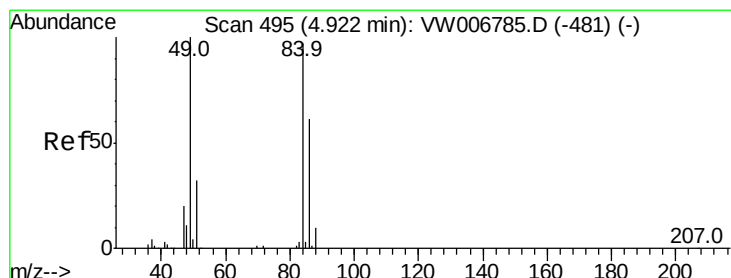
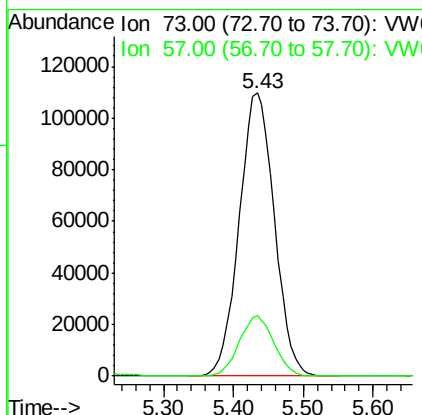
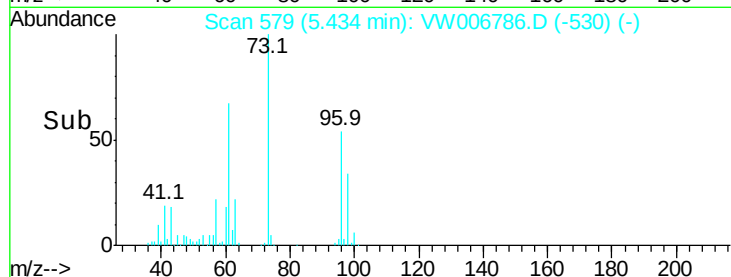
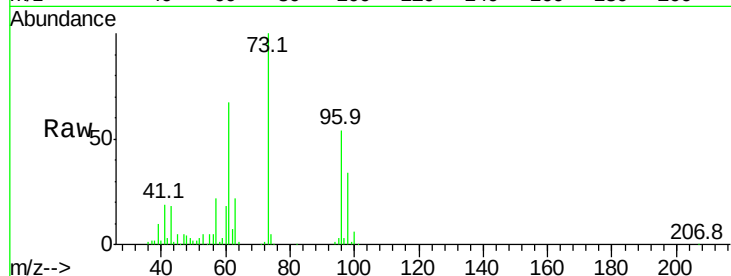




#19  
Methyl tert-butyl Ether  
Concen: 102.147 ug/l  
RT: 5.43 min Scan# 579  
Delta R.T. 0.00 min  
Lab File: VW006786.D  
Acq: 09 Nov 2018 13:58

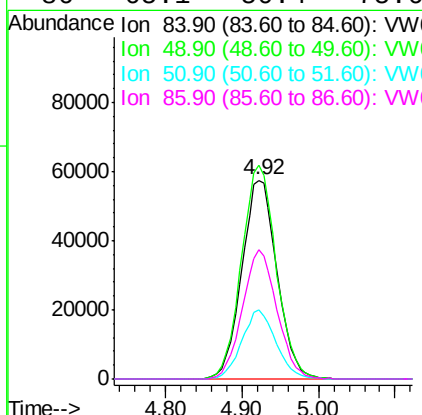
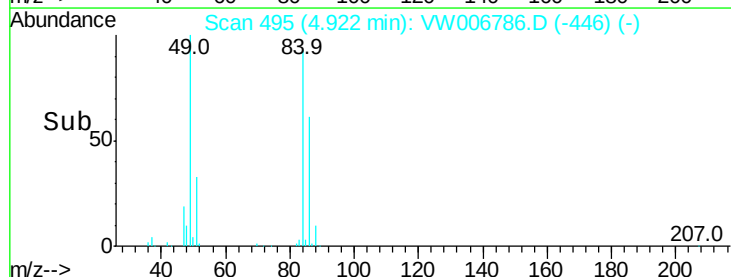
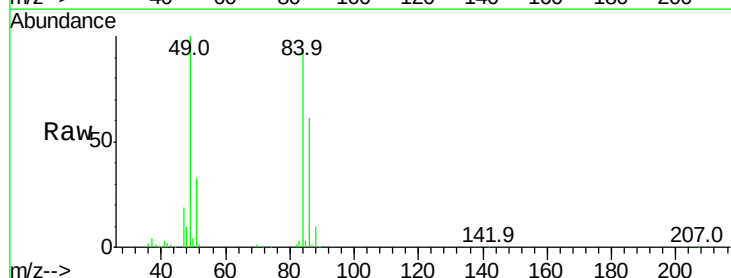
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC075

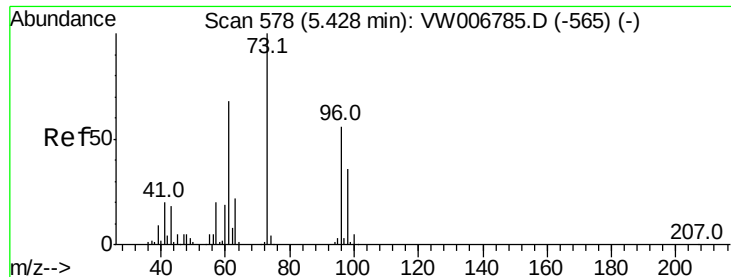
Tgt Ion: 73 Resp: 382540  
Ion Ratio Lower Upper  
73 100  
57 21.5 17.0 25.6



#20  
Methylene Chloride  
Concen: 55.219 ug/l  
RT: 4.92 min Scan# 495  
Delta R.T. 0.00 min  
Lab File: VW006786.D  
Acq: 09 Nov 2018 13:58

Tgt Ion: 84 Resp: 184046  
Ion Ratio Lower Upper  
84 100  
49 107.4 82.4 123.6  
51 35.0 26.7 40.1  
86 65.1 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 62.401 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW006786.D

Acq: 09 Nov 2018 13:58

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC075

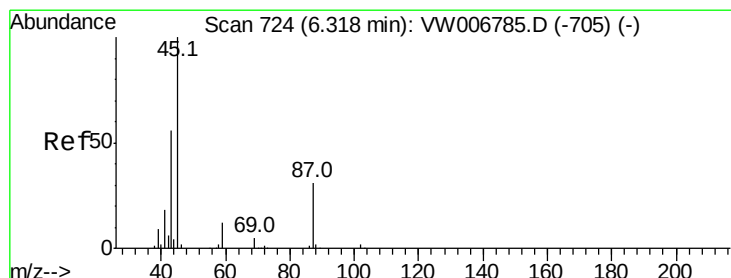
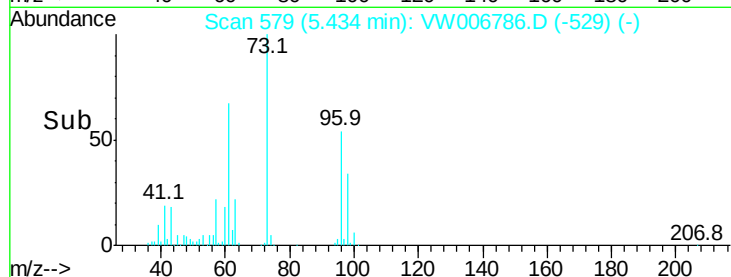
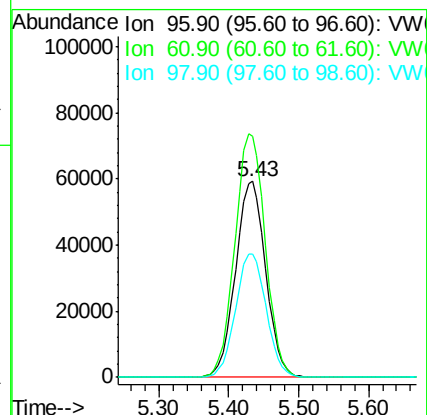
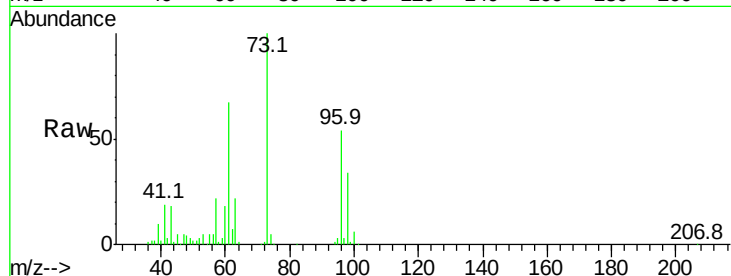
Tgt Ion: 96 Resp: 177649

Ion Ratio Lower Upper

96 100

61 123.4 97.6 146.4

98 62.9 51.6 77.4



#22

Diisopropyl ether

Concen: 64.722 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW006786.D

Acq: 09 Nov 2018 13:58

Tgt Ion: 45 Resp: 443124

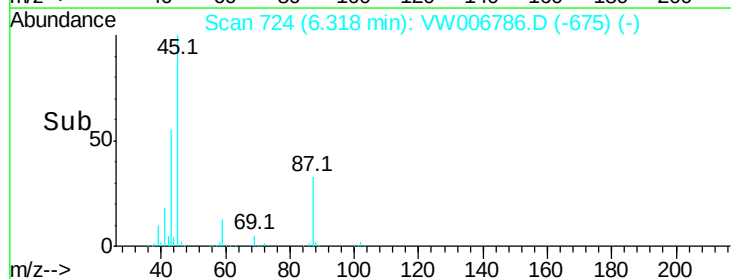
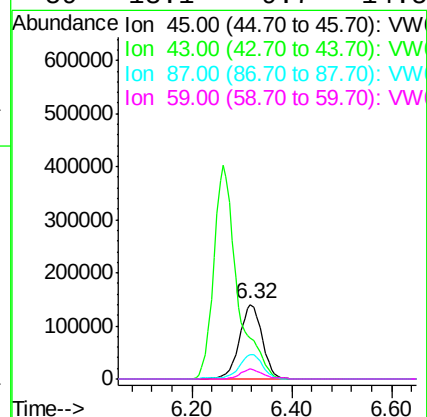
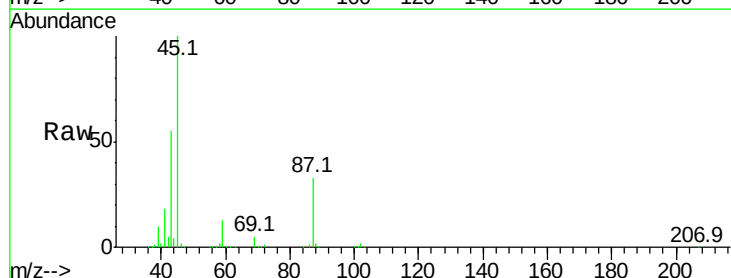
Ion Ratio Lower Upper

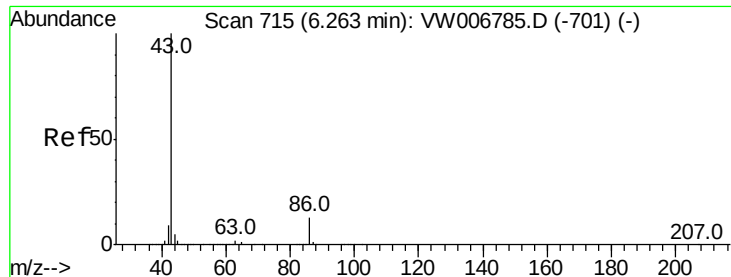
45 100

43 55.1 44.6 66.8

87 32.7 25.5 38.3

59 13.1 9.7 14.5





#23

Vinyl Acetate

Concen: 345.791 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW006786.D

Acq: 09 Nov 2018 13:58

Instrument :

MSVOA\_W

ClientSampleId :

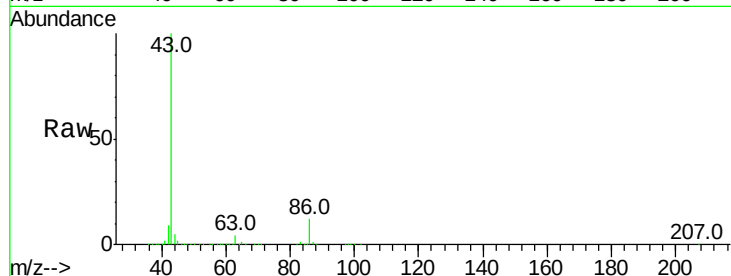
VSTDIC075

Tgt Ion: 43 Resp: 1312883

Ion Ratio Lower Upper

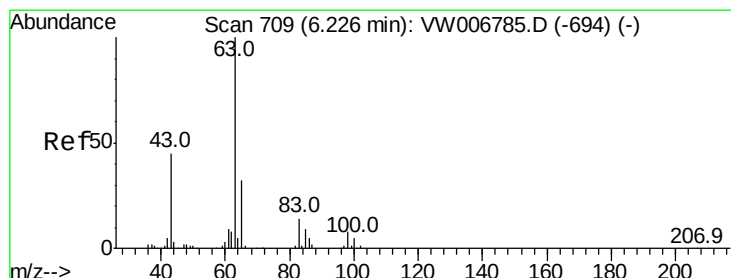
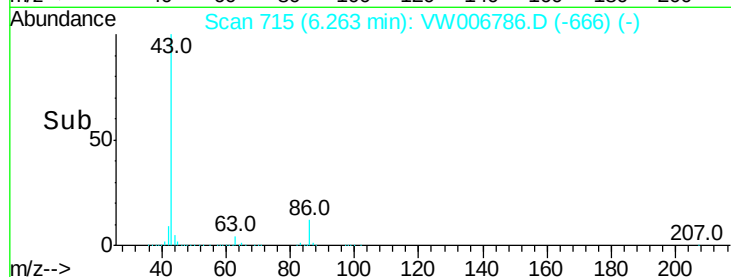
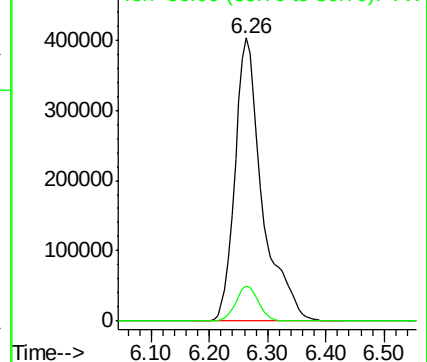
43 100

86 12.2 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 60.025 ug/l

RT: 6.23 min Scan# 709

Delta R.T. 0.00 min

Lab File: VW006786.D

Acq: 09 Nov 2018 13:58

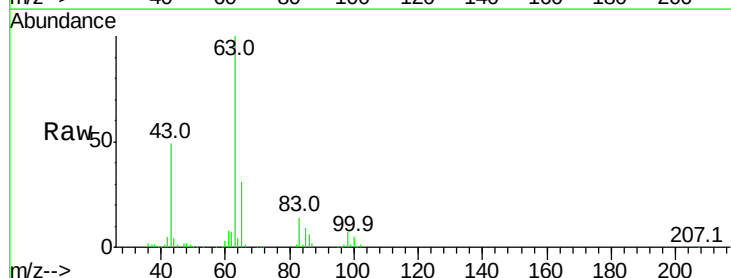
Tgt Ion: 63 Resp: 278526

Ion Ratio Lower Upper

63 100

98 7.5 4.0 12.2

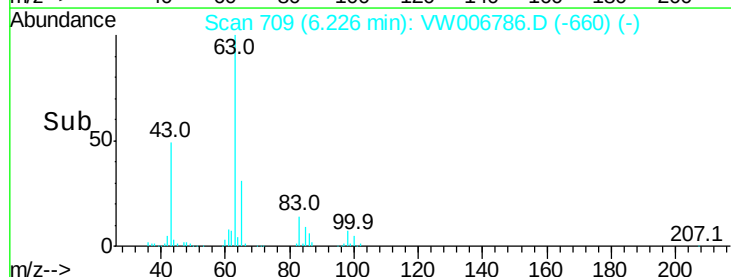
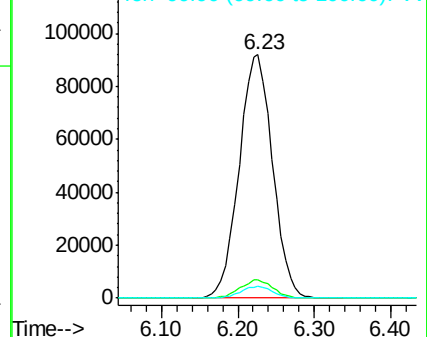
100 4.7 2.3 6.9



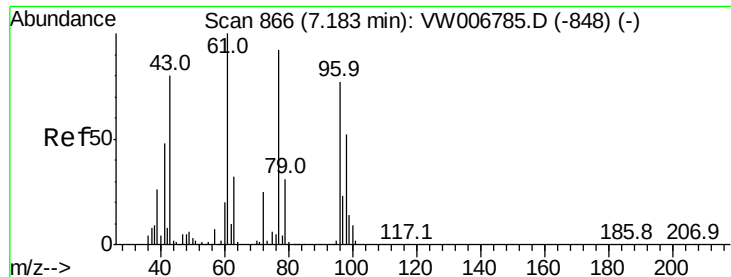
Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW







#25

2-Butanone

Concen: 323.351 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW006786.D

Acq: 09 Nov 2018 13:58

Instrument :

MSVOA\_W

ClientSampleId :

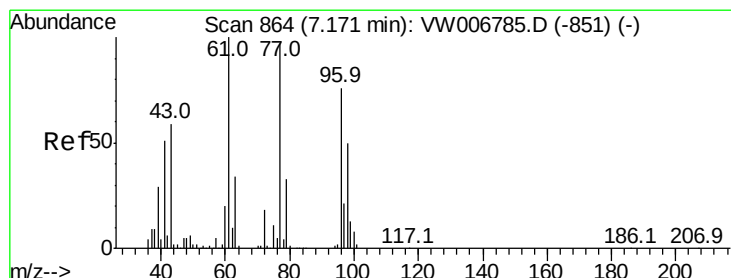
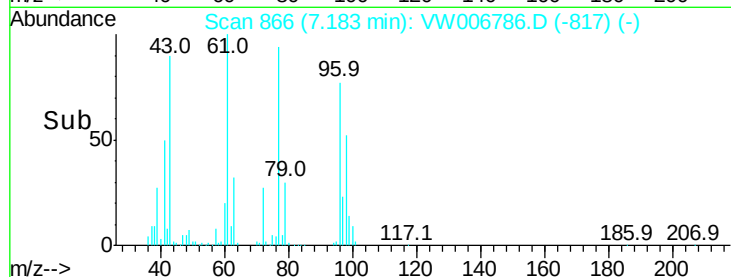
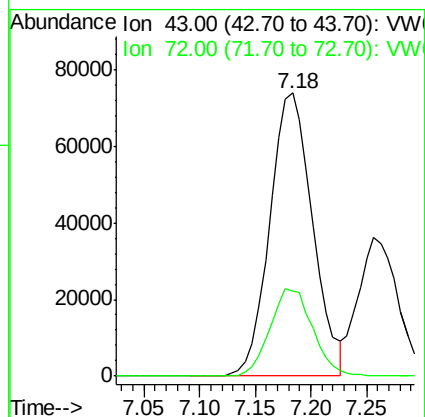
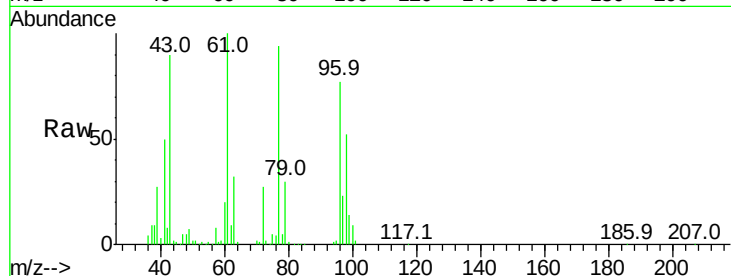
VSTDIC075

Tgt Ion: 43 Resp: 197514

Ion Ratio Lower Upper

43 100

72 29.9 24.5 36.7



#26

2,2-Dichloropropane

Concen: 91.580 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006786.D

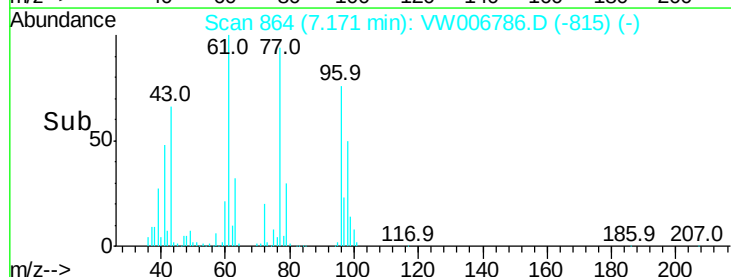
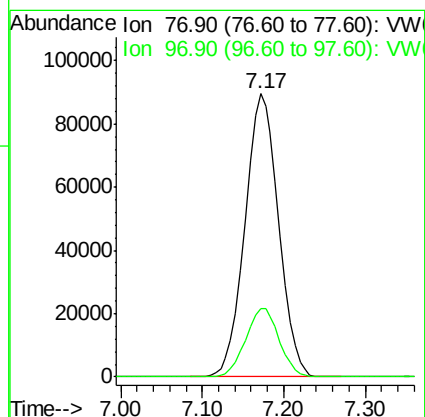
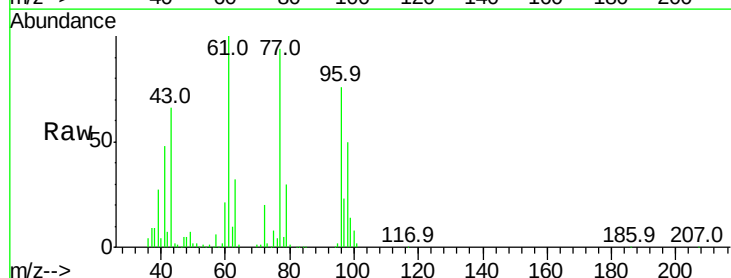
Acq: 09 Nov 2018 13:58

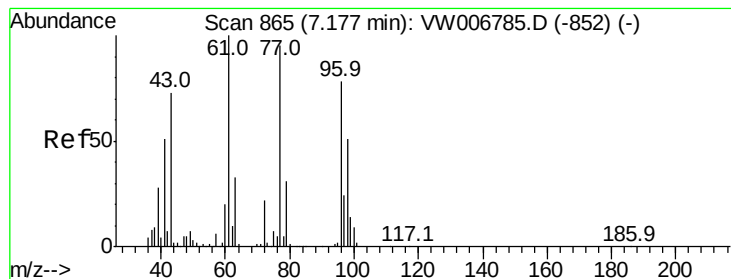
Tgt Ion: 77 Resp: 255981

Ion Ratio Lower Upper

77 100

97 24.2 11.9 35.5



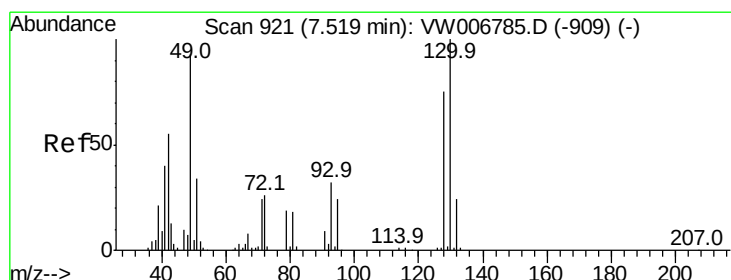
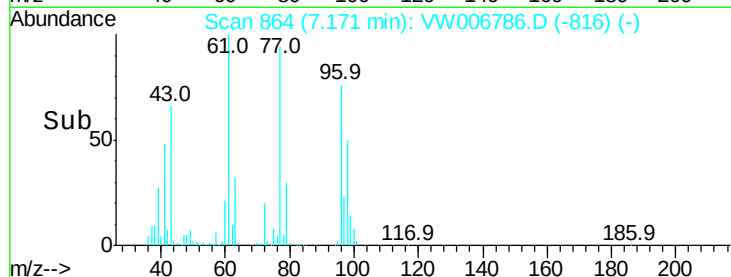
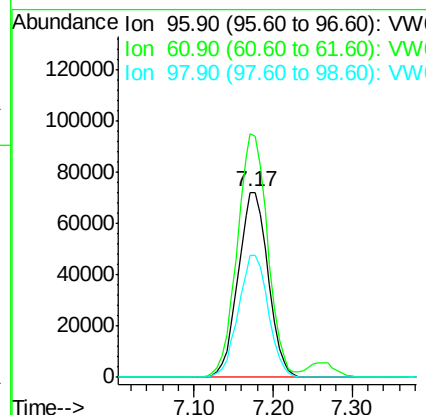
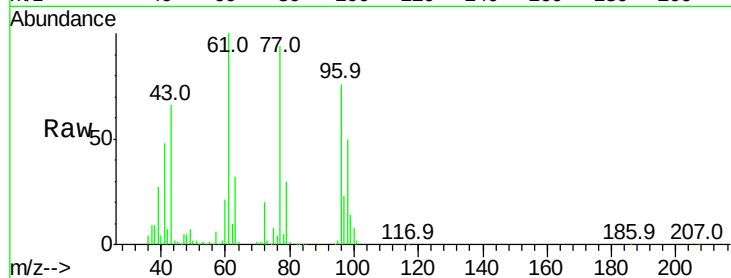


#27

cis-1,2-Dichloroethene  
Concen: 59.890 ug/l  
RT: 7.17 min Scan# 864  
Delta R.T. -0.01 min  
Lab File: VW006786.D  
Acq: 09 Nov 2018 13:58

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC075

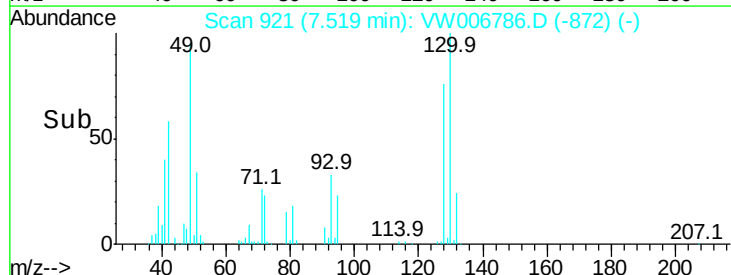
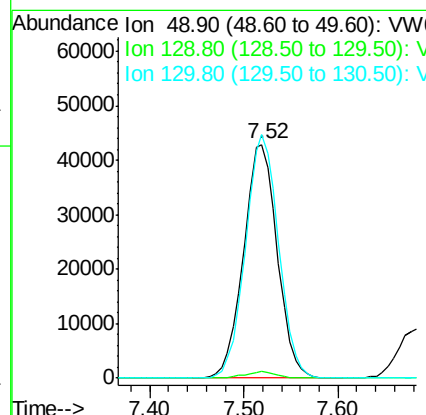
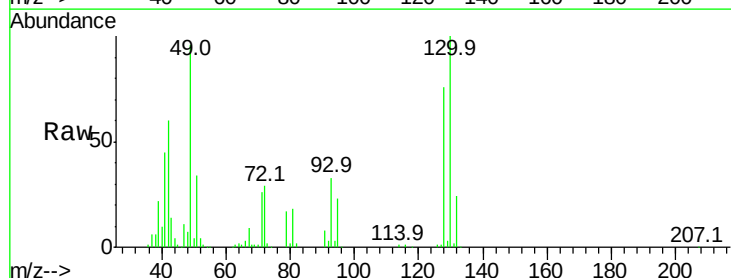
Tgt Ion: 96 Resp: 190751  
Ion Ratio Lower Upper  
96 100  
61 133.7 0.0 264.4  
98 65.8 0.0 130.0

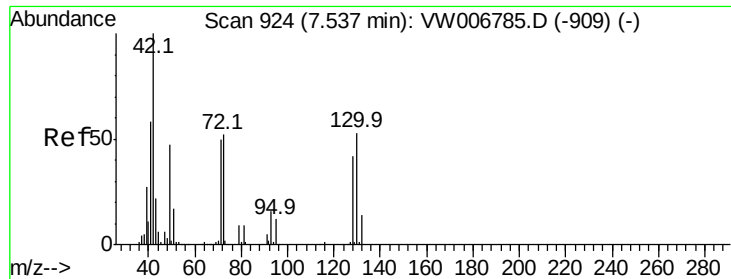


#28

Bromochloromethane  
Concen: 58.268 ug/l  
RT: 7.52 min Scan# 921  
Delta R.T. 0.00 min  
Lab File: VW006786.D  
Acq: 09 Nov 2018 13:58

Tgt Ion: 49 Resp: 107361  
Ion Ratio Lower Upper  
49 100  
129 2.6 0.0 5.6  
130 102.4 81.5 122.3

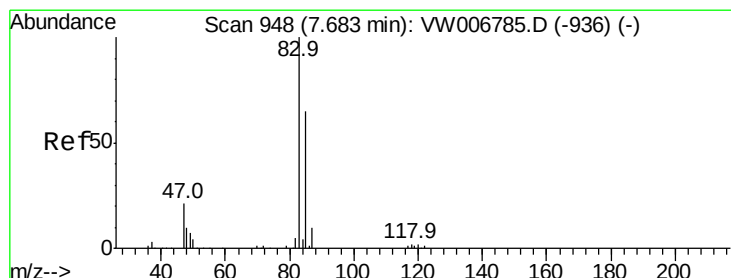
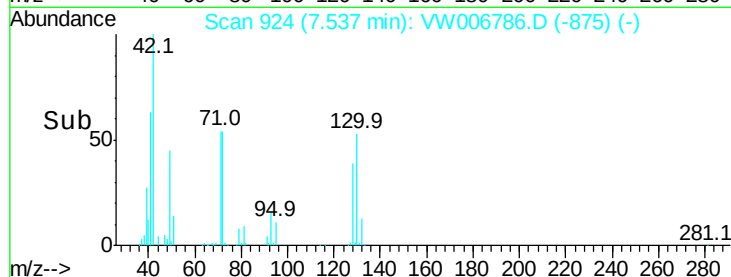
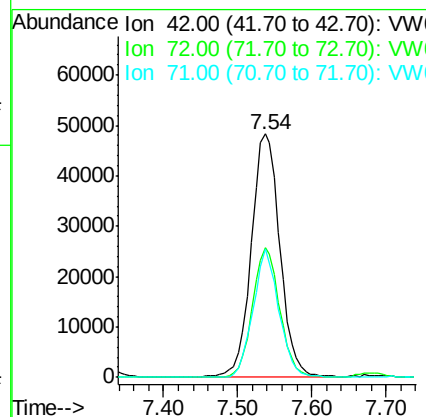
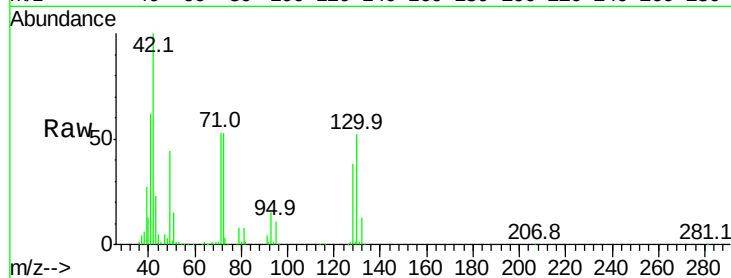




#29  
Tetrahydrofuran  
Concen: 340.126 ug/l  
RT: 7.54 min Scan# 924  
Delta R.T. 0.00 min  
Lab File: VW006786.D  
Acq: 09 Nov 2018 13:58

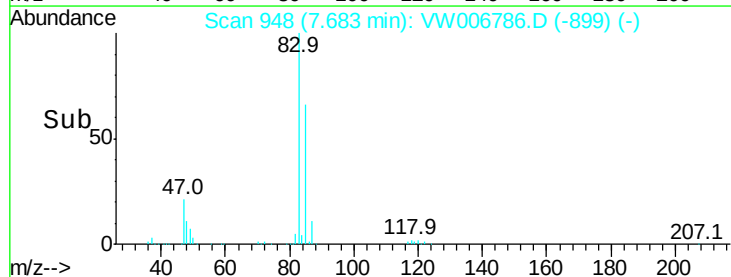
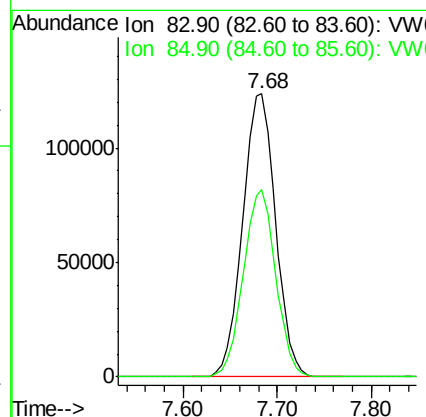
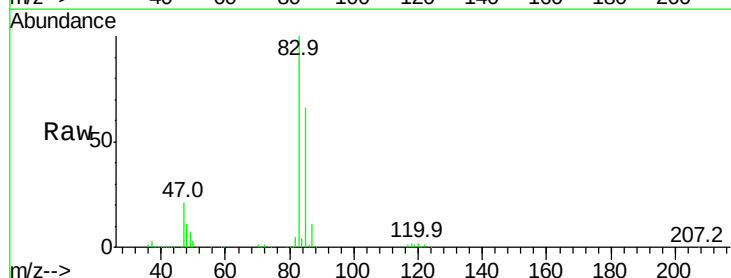
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC075

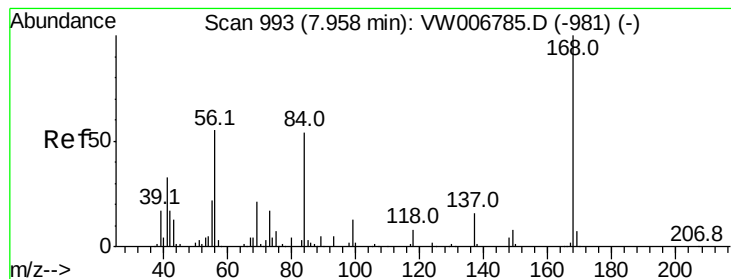
Tgt Ion: 42 Resp: 130677  
Ion Ratio Lower Upper  
42 100  
72 50.5 39.8 59.8  
71 47.4 37.8 56.6



#30  
Chloroform  
Concen: 59.383 ug/l  
RT: 7.68 min Scan# 948  
Delta R.T. 0.00 min  
Lab File: VW006786.D  
Acq: 09 Nov 2018 13:58

Tgt Ion: 83 Resp: 302106  
Ion Ratio Lower Upper  
83 100  
85 66.1 52.1 78.1





#31

Cyclohexane

Concen: 64.767 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW006786.D

Acq: 09 Nov 2018 13:58

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC075

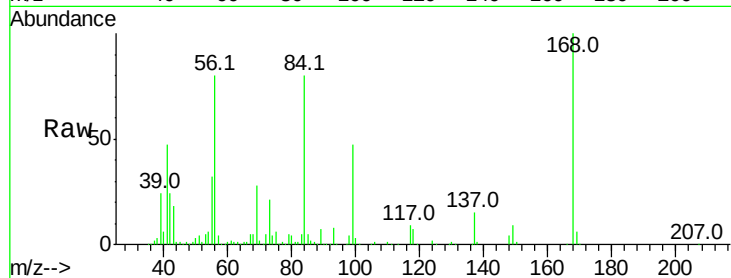
Tgt Ion: 56 Resp: 273527

Ion Ratio Lower Upper

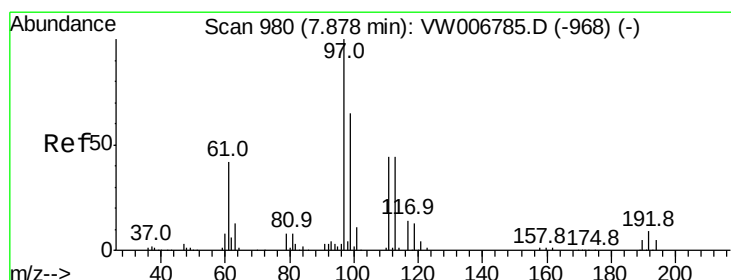
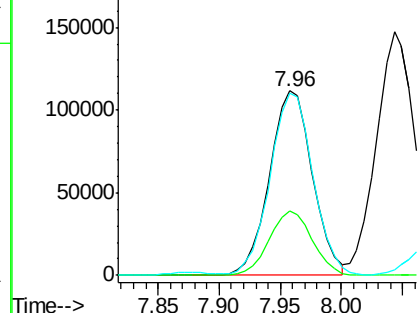
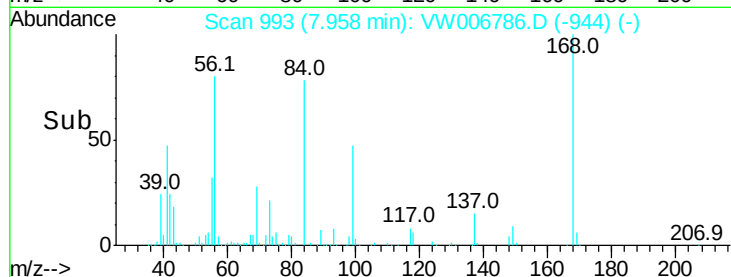
56 100

69 34.7 30.3 45.5

84 97.5 78.2 117.2



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



#32

1,1,1-Trichloroethane

Concen: 66.411 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW006786.D

Acq: 09 Nov 2018 13:58

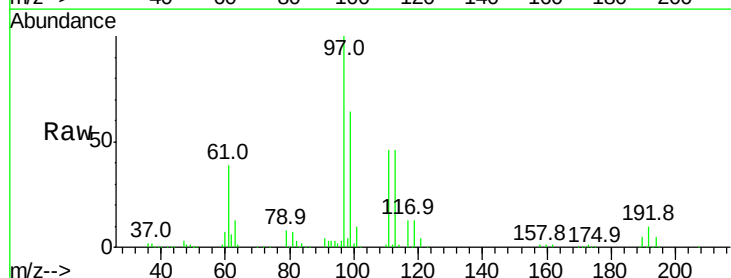
Tgt Ion: 97 Resp: 285887

Ion Ratio Lower Upper

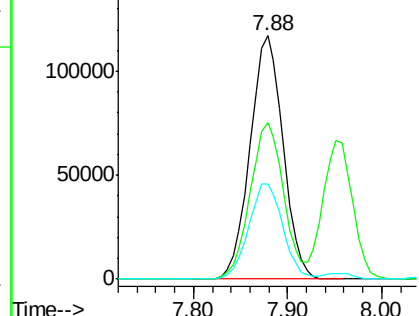
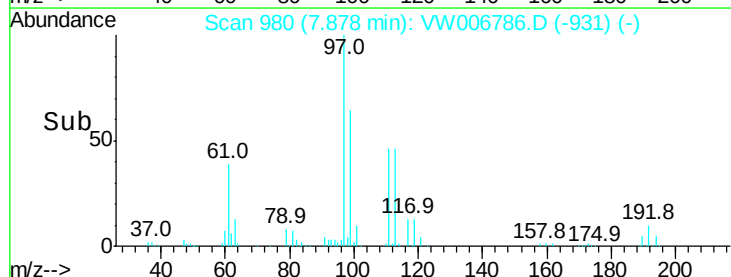
97 100

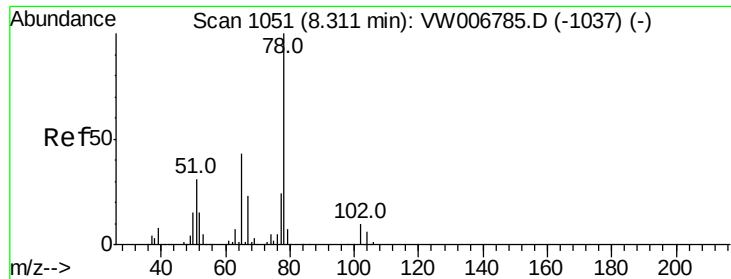
99 65.9 51.4 77.2

61 40.4 32.7 49.1



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

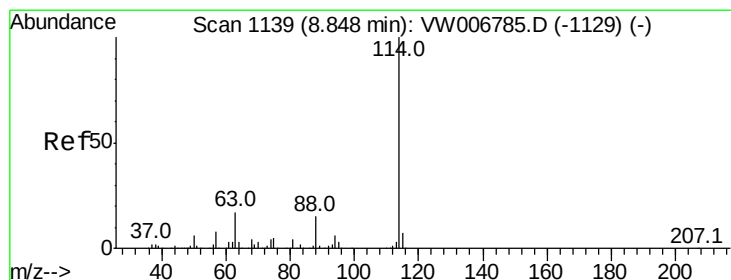
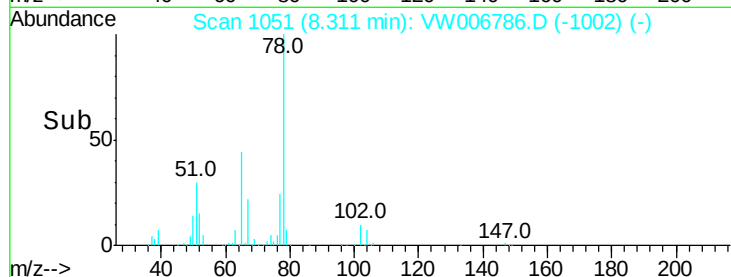
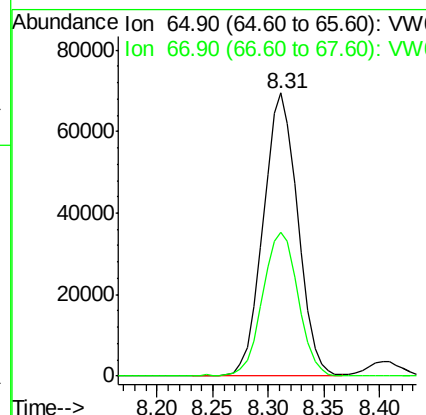
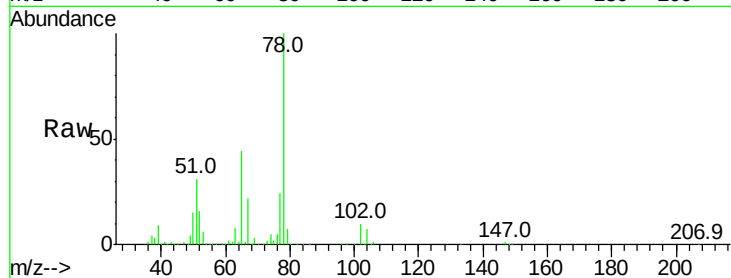




#33  
 1,2-Dichloroethane-d4  
 Concen: 56.665 ug/l  
 RT: 8.31 min Scan# 1051  
 Delta R.T. 0.00 min  
 Lab File: VW006786.D  
 Acq: 09 Nov 2018 13:58

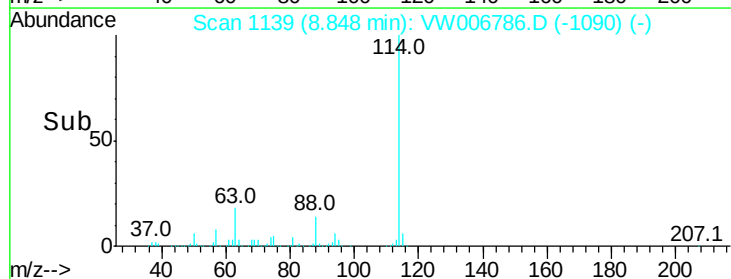
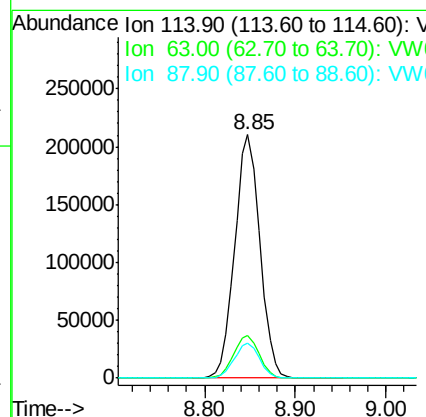
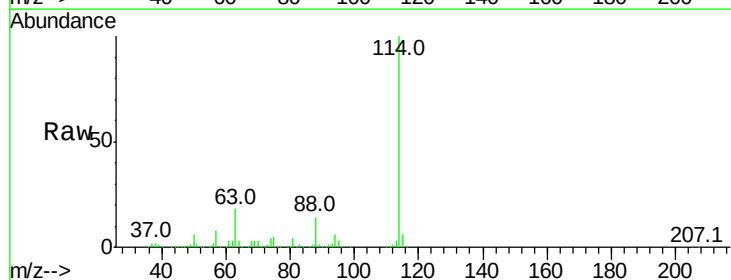
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC075

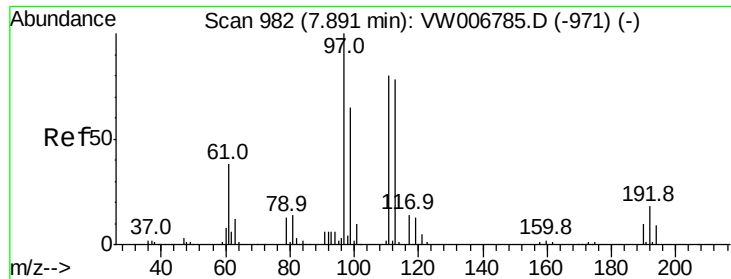
Tgt Ion: 65 Resp: 150243  
 Ion Ratio Lower Upper  
 65 100  
 67 52.5 0.0 107.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. 0.00 min  
 Lab File: VW006786.D  
 Acq: 09 Nov 2018 13:58

Tgt Ion: 114 Resp: 406073  
 Ion Ratio Lower Upper  
 114 100  
 63 17.6 0.0 34.0  
 88 14.1 0.0 29.2

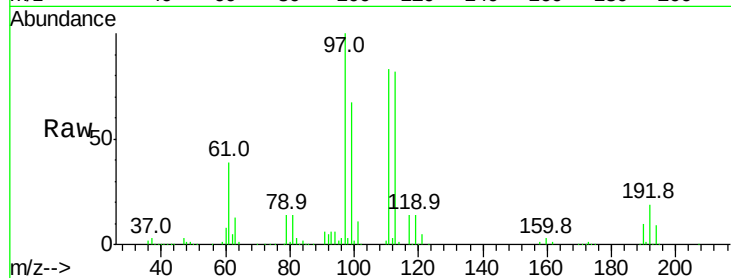




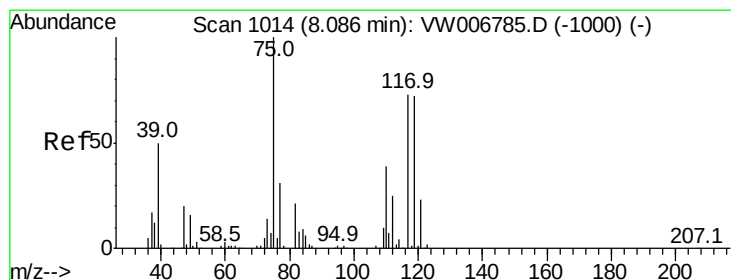
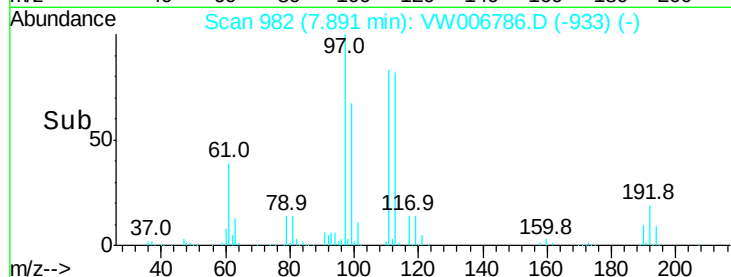
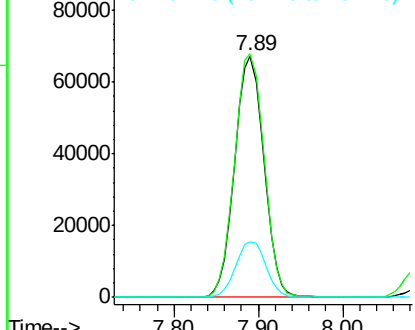
#35  
 Dibromofluoromethane  
 Concen: 61.928 ug/l  
 RT: 7.89 min Scan# 982  
 Delta R.T. 0.00 min  
 Lab File: VW006786.D  
 Acq: 09 Nov 2018 13:58

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC075

Tgt Ion:113 Resp: 157820  
 Ion Ratio Lower Upper  
 113 100  
 111 102.3 81.4 122.2  
 192 23.8 19.1 28.7

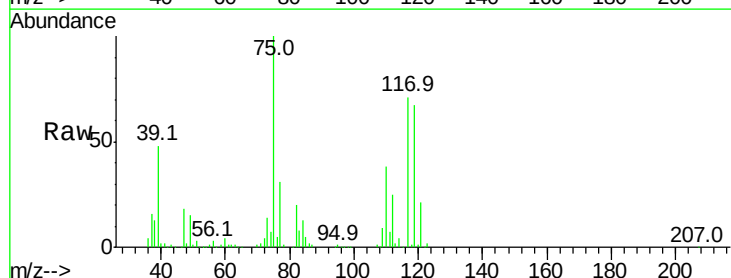


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

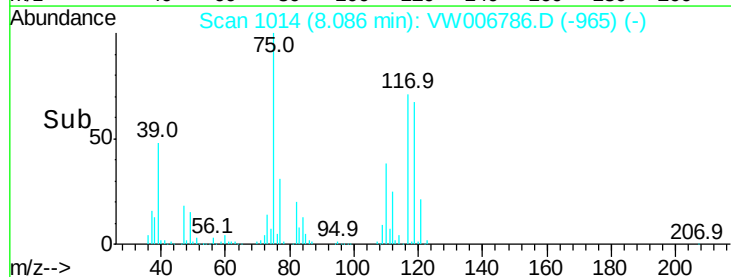
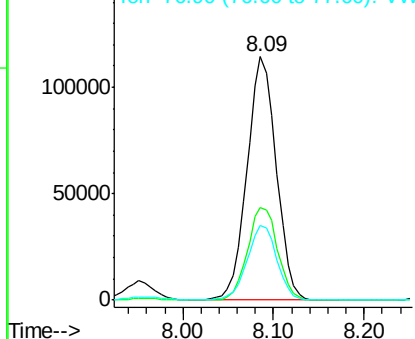


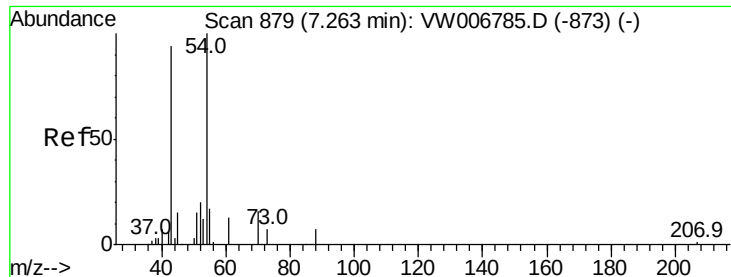
#36  
 1,1-Dichloropropene  
 Concen: 71.406 ug/l  
 RT: 8.09 min Scan# 1014  
 Delta R.T. 0.00 min  
 Lab File: VW006786.D  
 Acq: 09 Nov 2018 13:58

Tgt Ion: 75 Resp: 254993  
 Ion Ratio Lower Upper  
 75 100  
 110 38.9 19.6 58.7  
 77 31.4 24.9 37.3



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

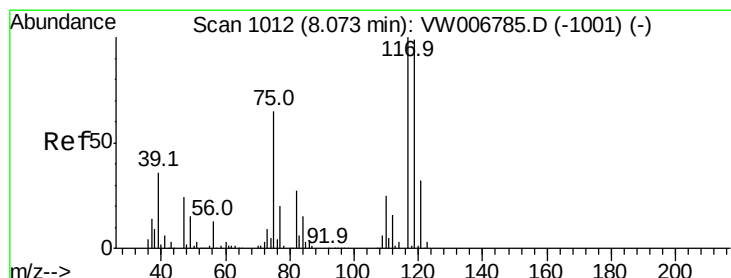
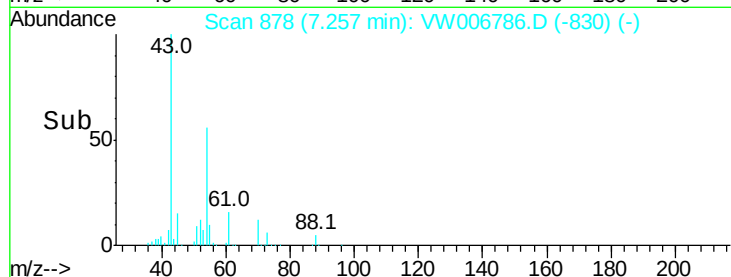
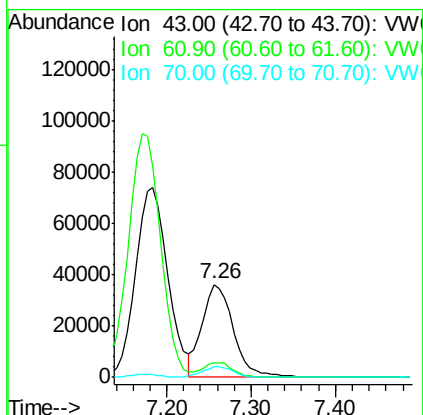
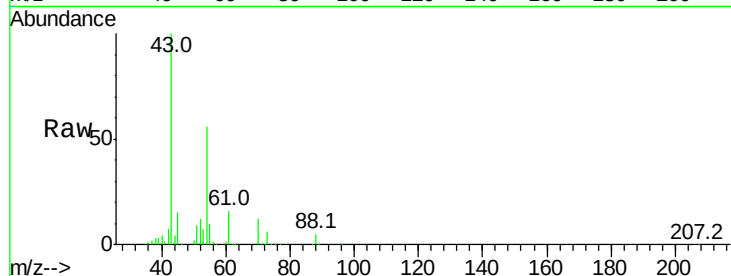




#37  
Ethyl Acetate  
Concen: 75.020 ug/l  
RT: 7.26 min Scan# 878  
Delta R.T. -0.01 min  
Lab File: VW006786.D  
Acq: 09 Nov 2018 13:58

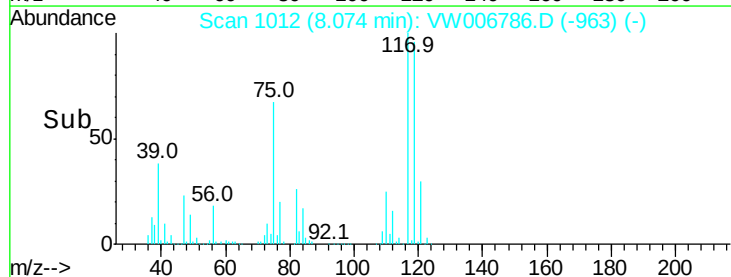
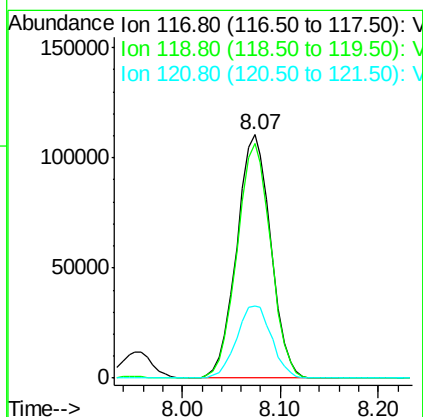
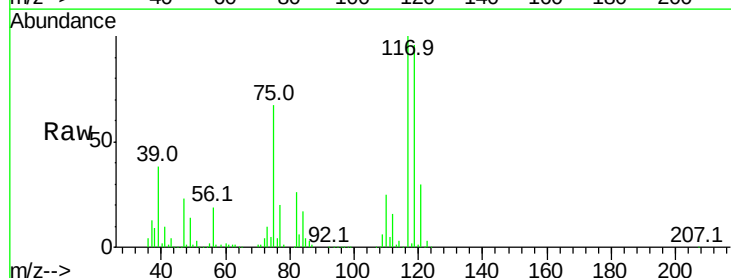
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC075

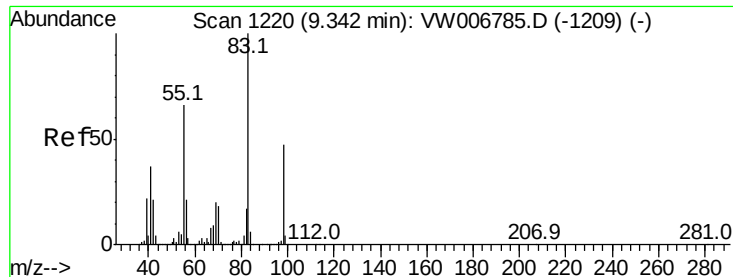
Tgt Ion: 43 Resp: 92838  
Ion Ratio Lower Upper  
43 100  
61 15.0 12.2 18.2  
70 11.4 9.8 14.8



#38  
Carbon Tetrachloride  
Concen: 71.290 ug/l  
RT: 8.07 min Scan# 1012  
Delta R.T. 0.00 min  
Lab File: VW006786.D  
Acq: 09 Nov 2018 13:58

Tgt Ion: 117 Resp: 266015  
Ion Ratio Lower Upper  
117 100  
119 96.2 78.9 118.3  
121 29.8 25.3 37.9

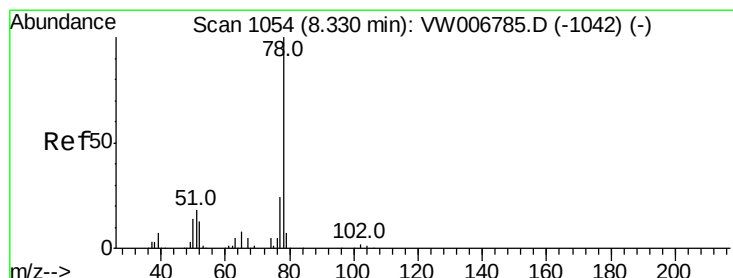
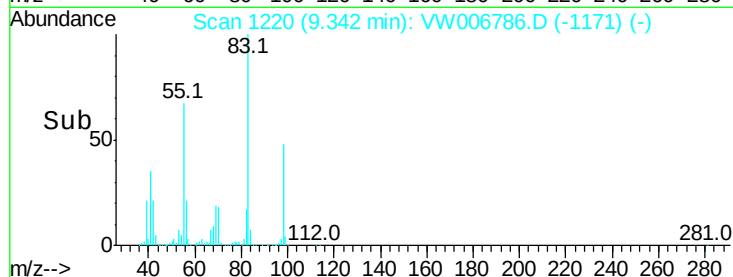
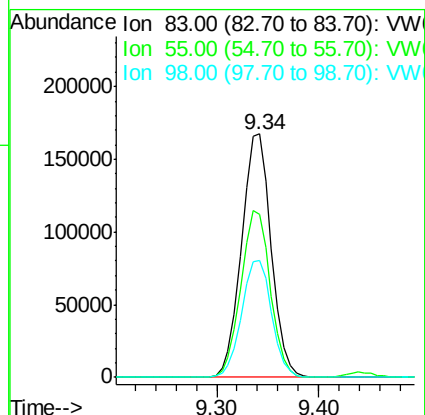
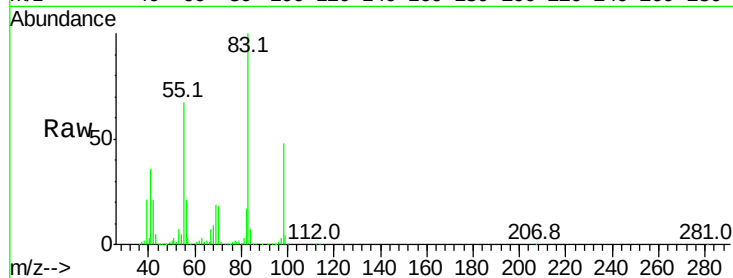




#39  
Methylcyclohexane  
Concen: 74.368 ug/l  
RT: 9.34 min Scan# 1220  
Delta R.T. 0.00 min  
Lab File: VW006786.D  
Acq: 09 Nov 2018 13:58

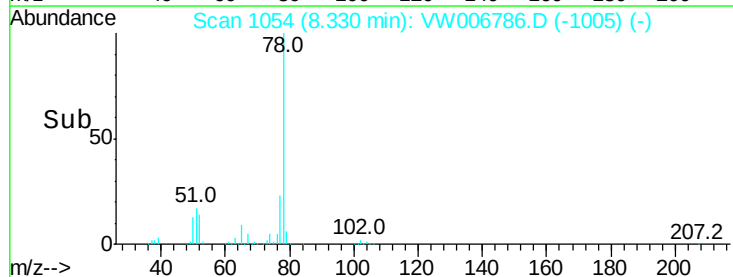
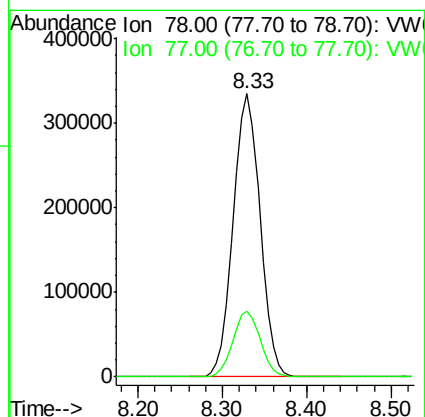
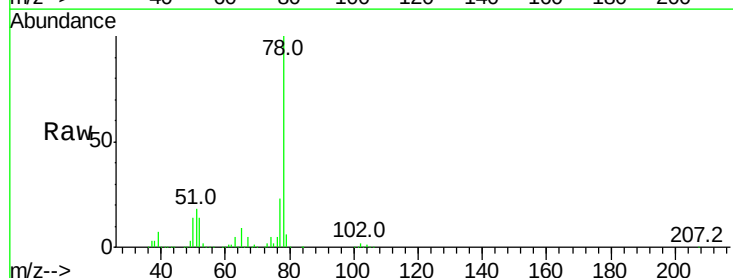
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC075

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 67.1  | 53.0  | 79.4  |
| 98      | 48.0  | 37.9  | 56.9  |

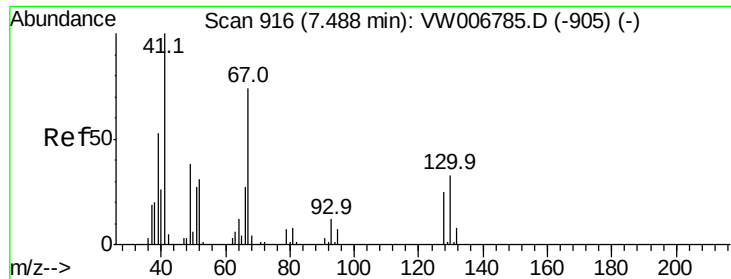


#40  
Benzene  
Concen: 71.337 ug/l  
RT: 8.33 min Scan# 1054  
Delta R.T. 0.00 min  
Lab File: VW006786.D  
Acq: 09 Nov 2018 13:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.4  | 19.4  | 29.2  |



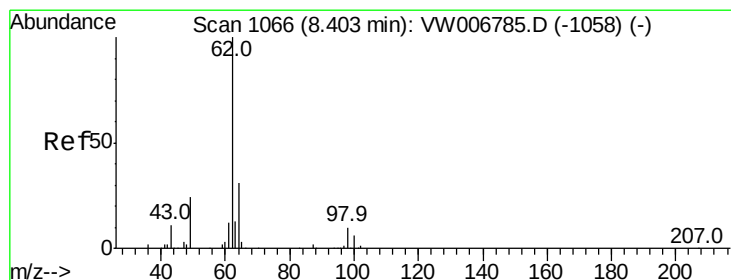
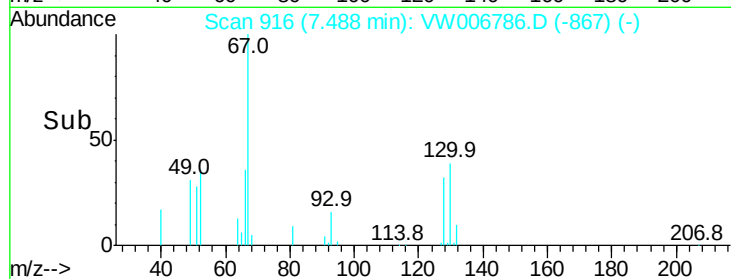
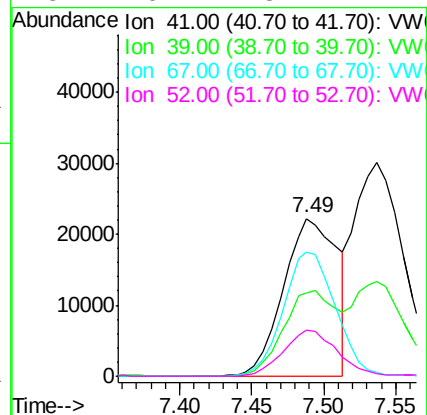
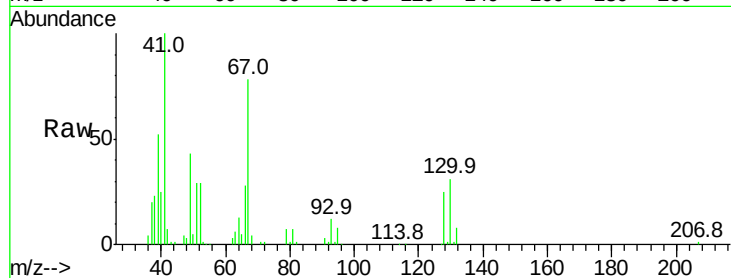




#41  
Methacrylonitrile  
Concen: 76.520 ug/l  
RT: 7.49 min Scan# 916  
Delta R.T. 0.00 min  
Lab File: VW006786.D  
Acq: 09 Nov 2018 13:58

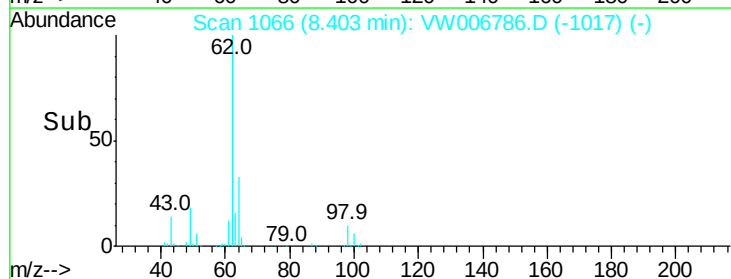
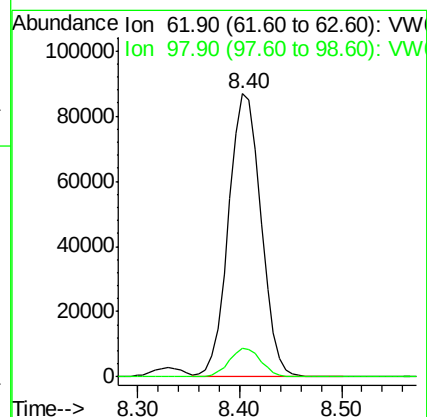
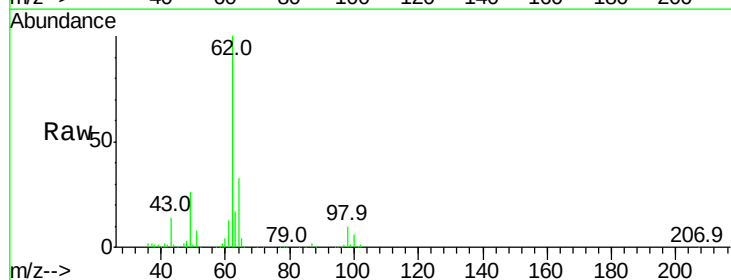
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC075

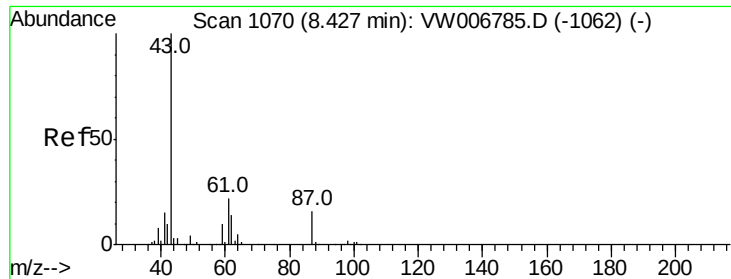
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 58066 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 53.7  | 49.3  | 73.9  |
| 67       | 76.2  | 69.3  | 103.9 |
| 52       | 29.7  | 28.2  | 42.4  |



#42  
1,2-Dichloroethane  
Concen: 65.794 ug/l  
RT: 8.40 min Scan# 1066  
Delta R.T. 0.00 min  
Lab File: VW006786.D  
Acq: 09 Nov 2018 13:58

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 191388 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 10.0  | 0.0   | 19.4   |





#43

Isopropyl Acetate

Concen: 73.829 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW006786.D

Acq: 09 Nov 2018 13:58

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC075

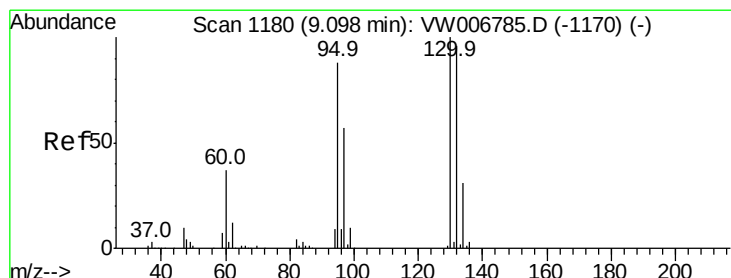
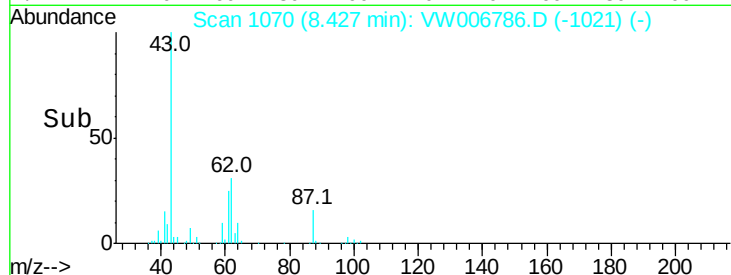
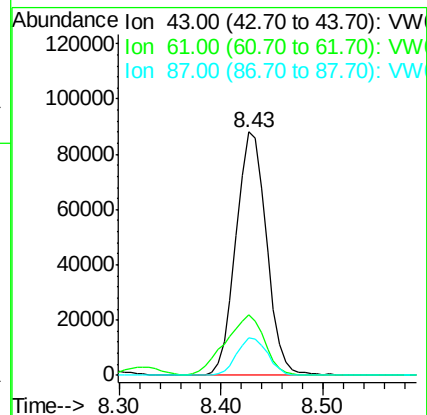
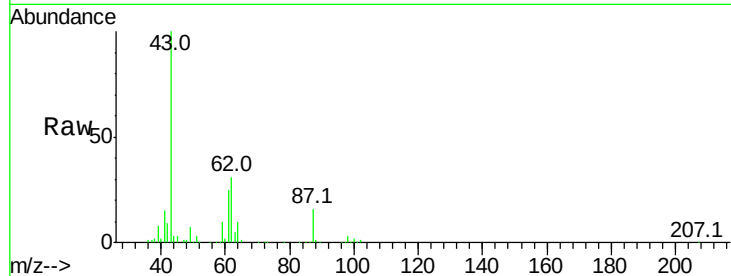
Tgt Ion: 43 Resp: 182316

Ion Ratio Lower Upper

43 100

61 31.9 26.5 39.7

87 15.8 12.8 19.2



#44

Trichloroethene

Concen: 70.156 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW006786.D

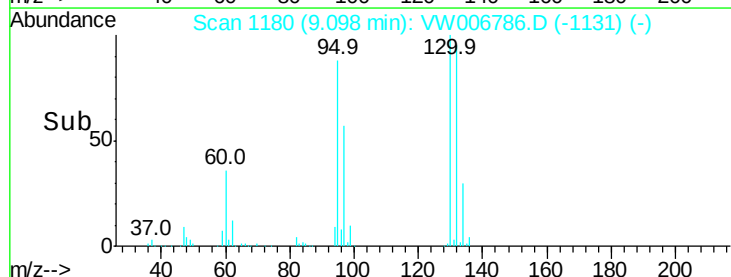
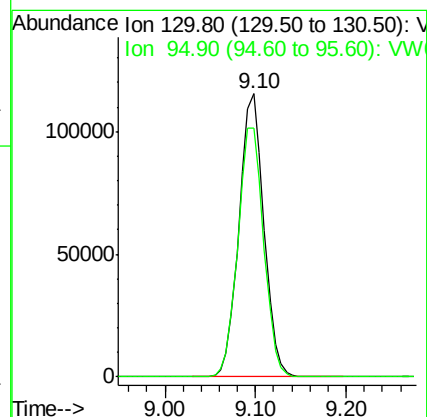
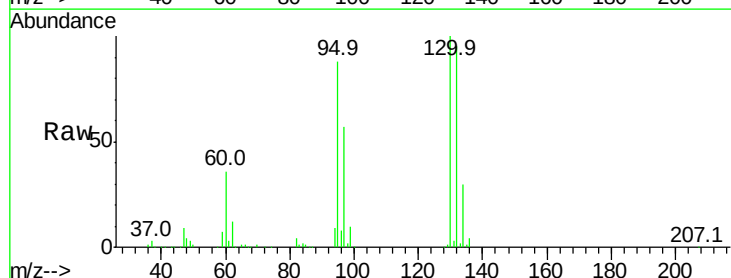
Acq: 09 Nov 2018 13:58

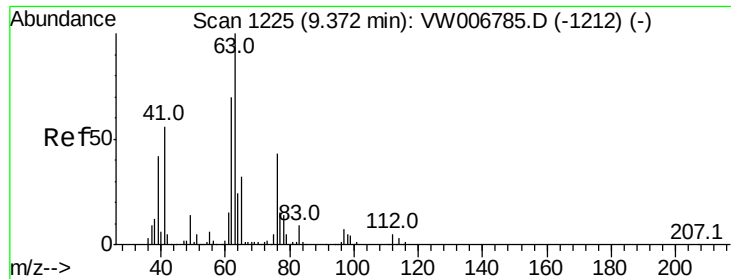
Tgt Ion: 130 Resp: 219586

Ion Ratio Lower Upper

130 100

95 87.8 0.0 175.0





#45

1,2-Dichloropropane

Concen: 70.940 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW006786.D

Acq: 09 Nov 2018 13:58

Instrument :

MSVOA\_W

ClientSampleId :

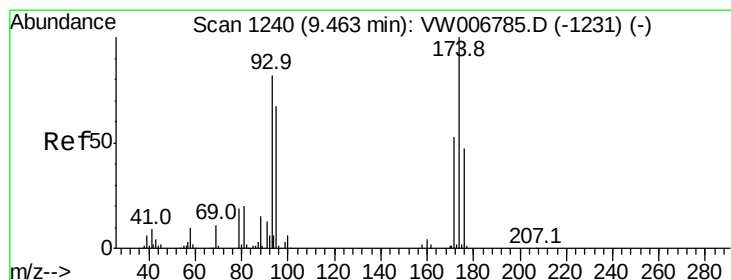
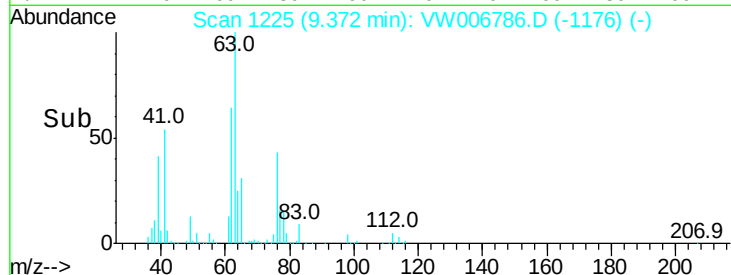
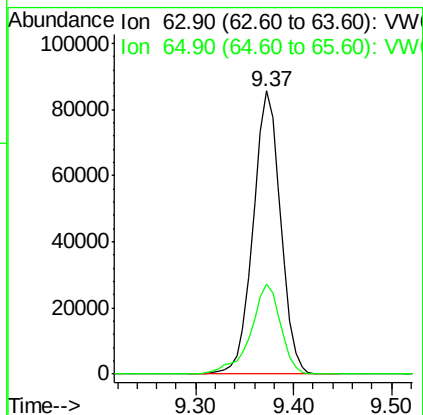
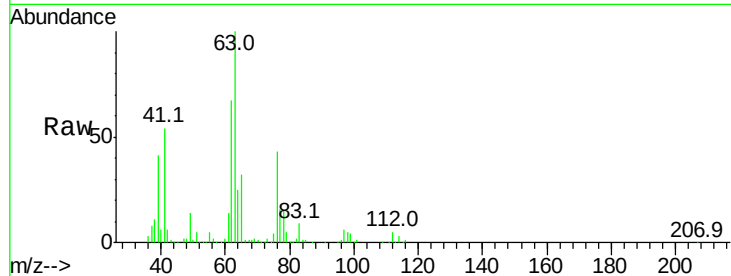
VSTDIC075

Tgt Ion: 63 Resp: 167453

Ion Ratio Lower Upper

63 100

65 31.7 25.5 38.3



#46

Dibromomethane

Concen: 68.196 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VW006786.D

Acq: 09 Nov 2018 13:58

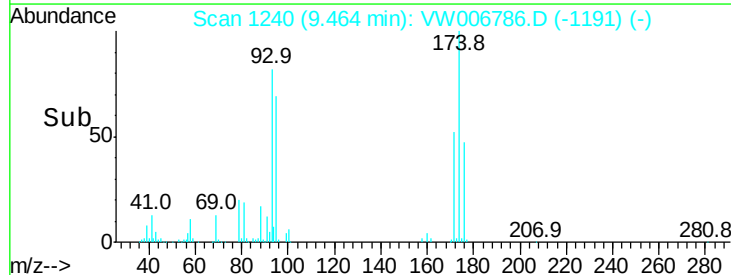
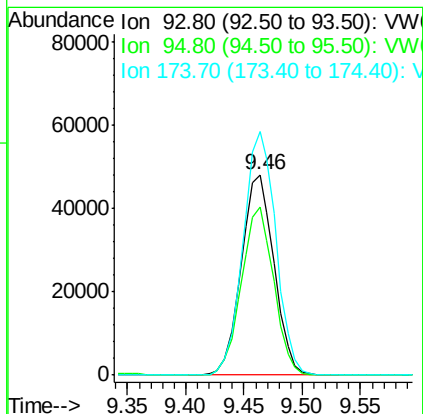
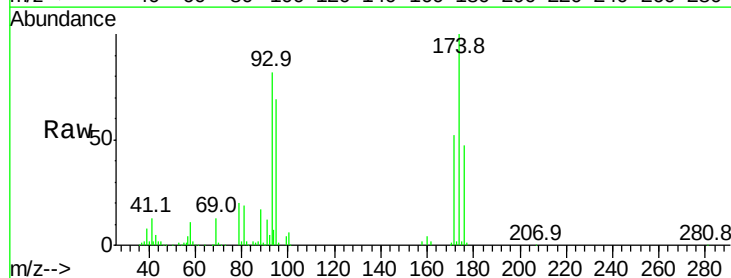
Tgt Ion: 93 Resp: 94627

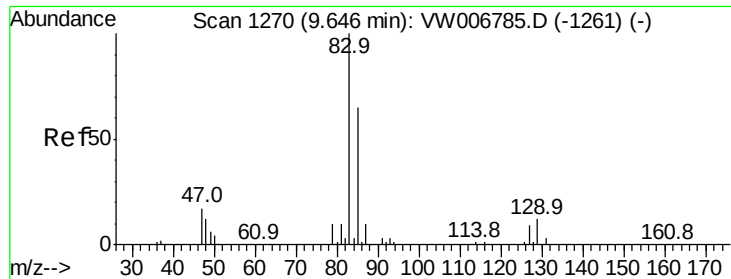
Ion Ratio Lower Upper

93 100

95 82.9 65.4 98.0

174 121.1 96.4 144.6





#47

Bromodichloromethane

Concen: 70.625 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006786.D

Acq: 09 Nov 2018 13:58

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC075

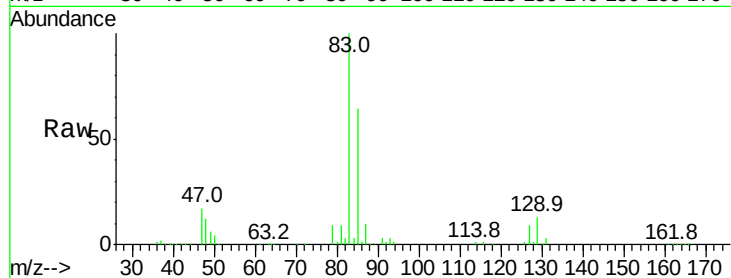
Tgt Ion: 83 Resp: 227543

Ion Ratio Lower Upper

83 100

85 63.9 51.6 77.4

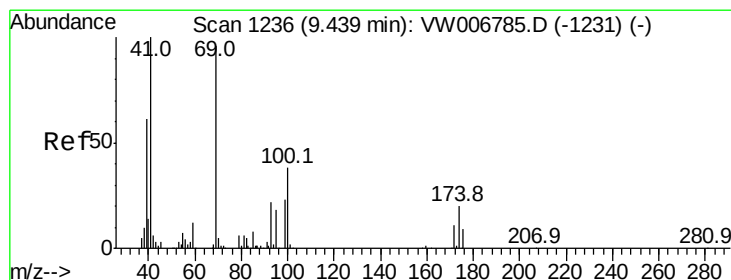
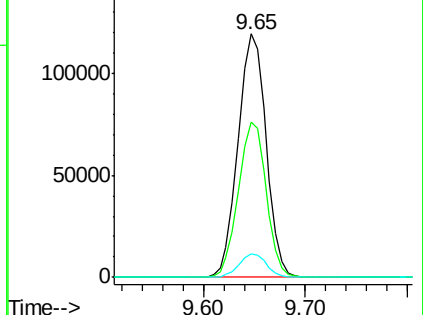
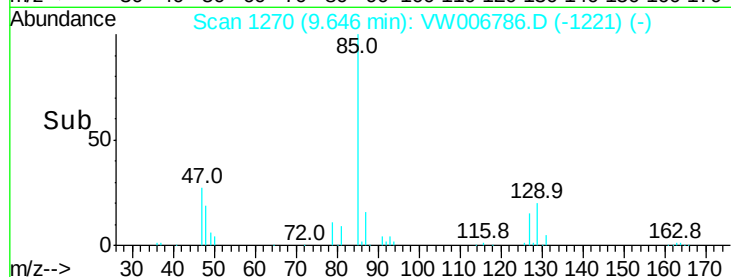
127 9.4 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 75.277 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW006786.D

Acq: 09 Nov 2018 13:58

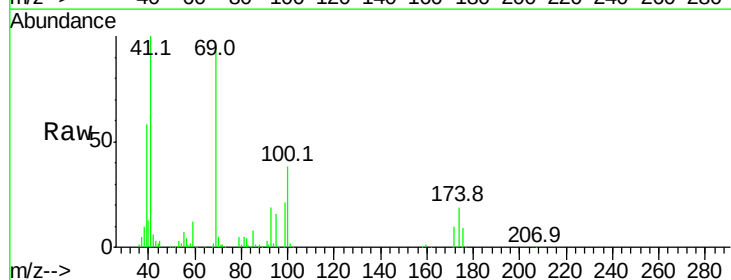
Tgt Ion: 41 Resp: 89562

Ion Ratio Lower Upper

41 100

69 99.4 81.5 122.3

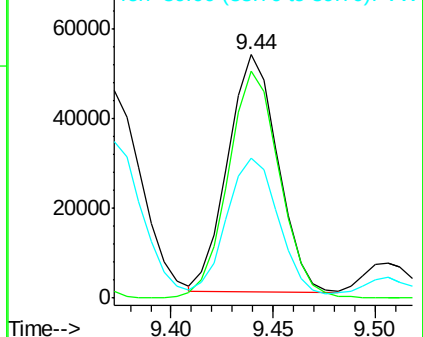
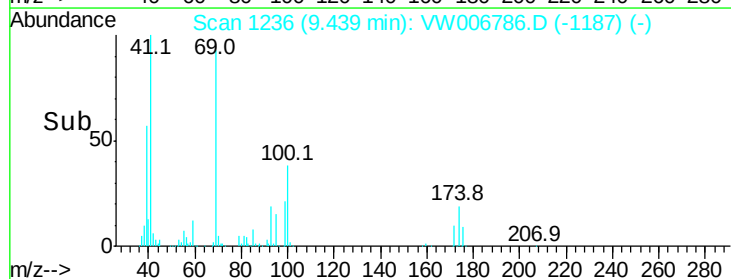
39 58.7 48.0 72.0

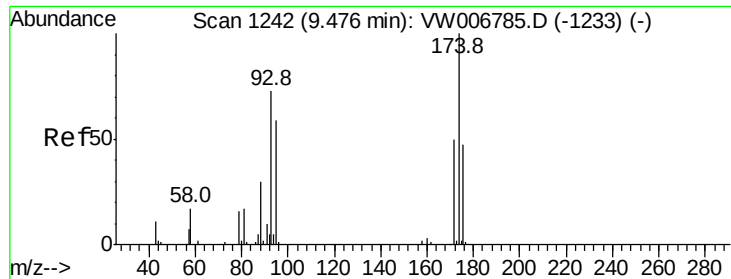


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

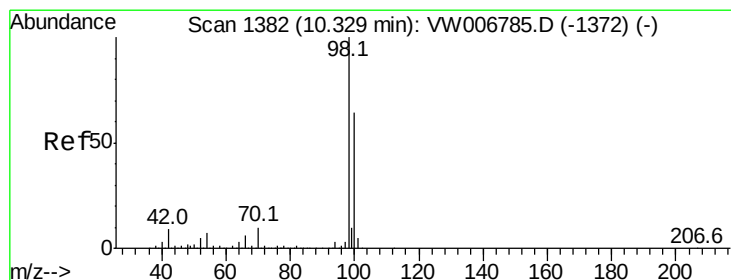
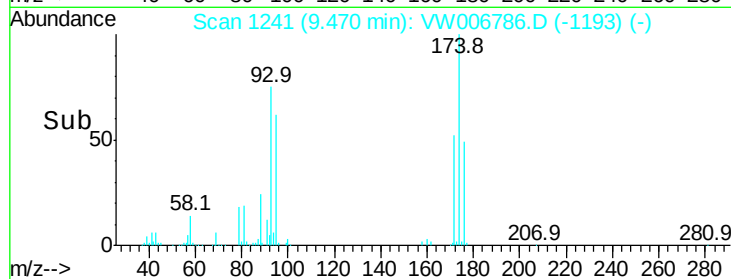
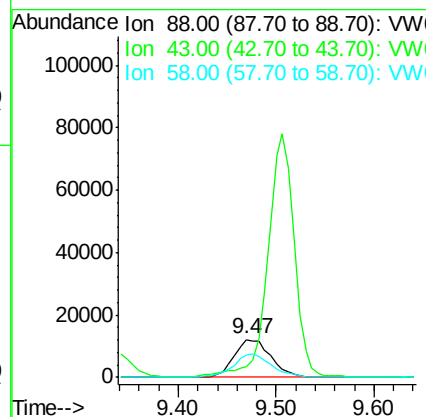
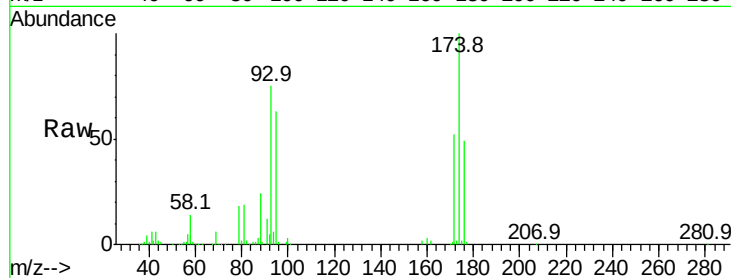




#49  
 1,4-Dioxane  
 Concen: 1555.036 ug/l  
 RT: 9.47 min Scan# 1241  
 Delta R.T. -0.01 min  
 Lab File: VW006786.D  
 Acq: 09 Nov 2018 13:58

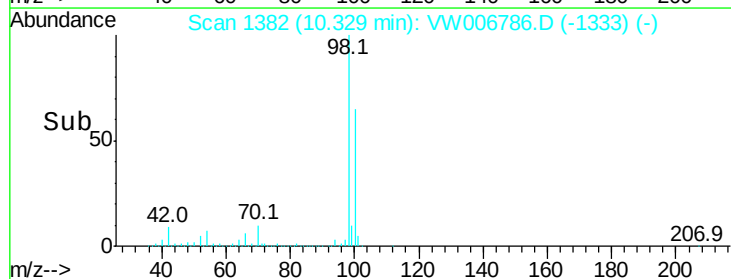
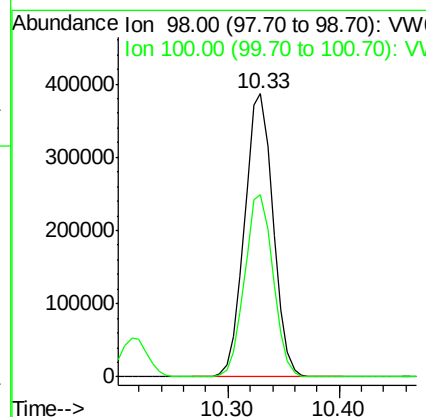
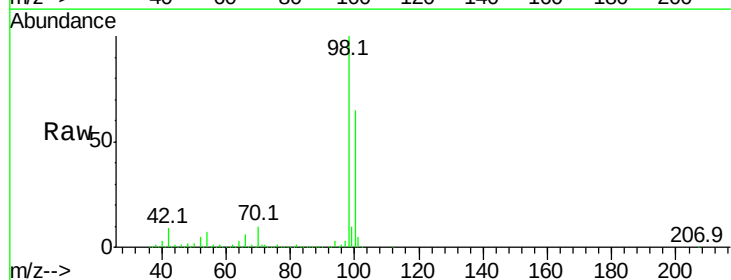
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC075

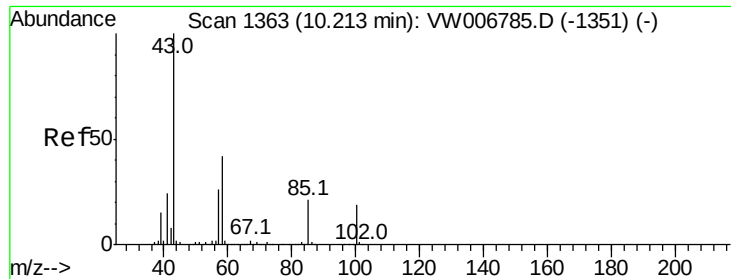
Tgt Ion: 88 Resp: 31578  
 Ion Ratio Lower Upper  
 88 100  
 43 0.0 0.0 0.0  
 58 64.6 53.7 80.5



#50  
 Toluene-d8  
 Concen: 70.779 ug/l  
 RT: 10.33 min Scan# 1382  
 Delta R.T. 0.00 min  
 Lab File: VW006786.D  
 Acq: 09 Nov 2018 13:58

Tgt Ion: 98 Resp: 686661  
 Ion Ratio Lower Upper  
 98 100  
 100 64.5 51.4 77.0

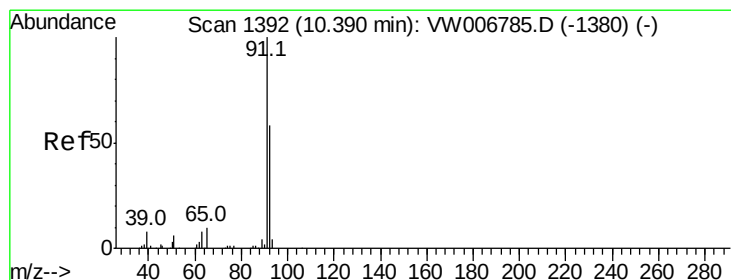
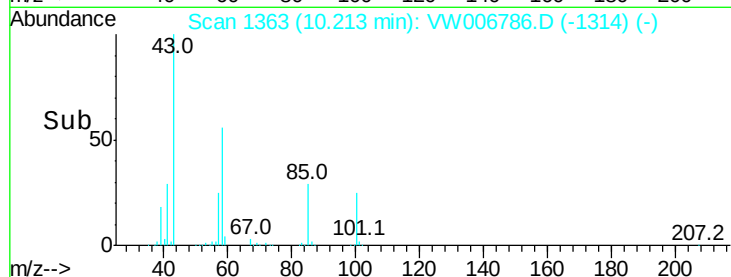
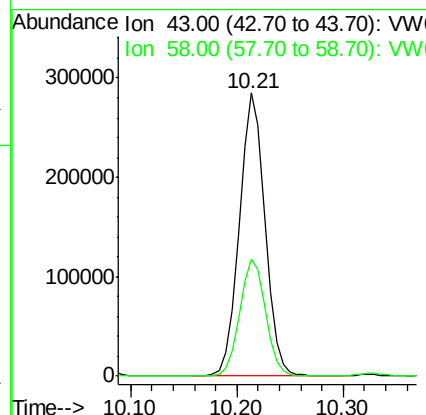
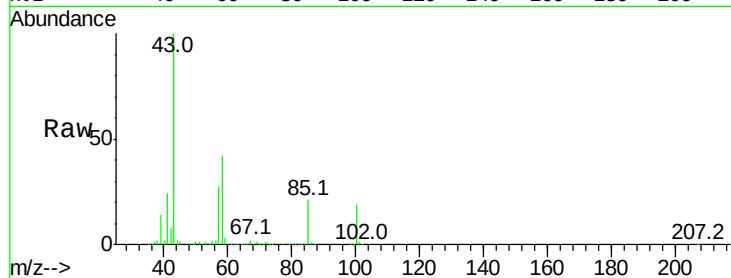




#51  
 4-Methyl-2-Pentanone  
 Concen: 379.621 ug/l  
 RT: 10.21 min Scan# 1363  
 Delta R.T. 0.00 min  
 Lab File: VW006786.D  
 Acq: 09 Nov 2018 13:58

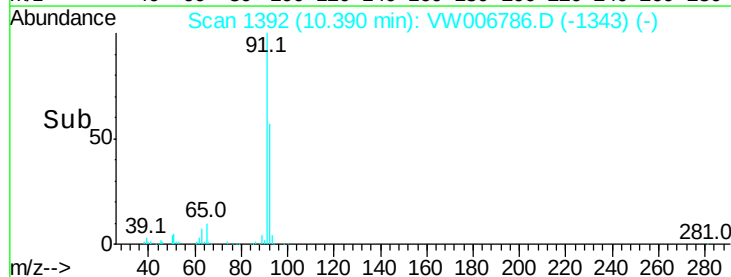
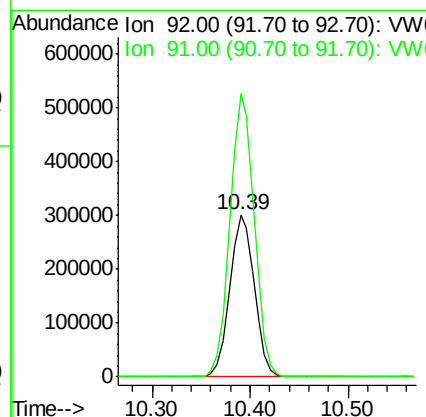
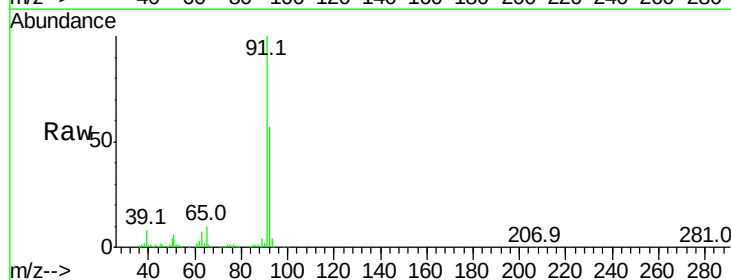
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC075

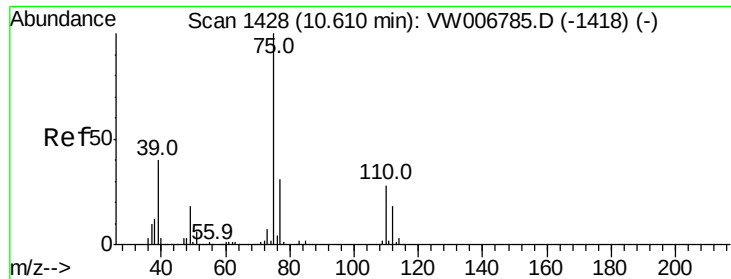
Tgt Ion: 43 Resp: 481458  
 Ion Ratio Lower Upper  
 43 100  
 58 41.9 33.2 49.8



#52  
 Toluene  
 Concen: 76.734 ug/l  
 RT: 10.39 min Scan# 1392  
 Delta R.T. 0.00 min  
 Lab File: VW006786.D  
 Acq: 09 Nov 2018 13:58

Tgt Ion: 92 Resp: 522026  
 Ion Ratio Lower Upper  
 92 100  
 91 173.2 138.6 207.8





#53

t-1,3-Dichloropropene

Concen: 76.908 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006786.D

Acq: 09 Nov 2018 13:58

Instrument :

MSVOA\_W

ClientSampleId :

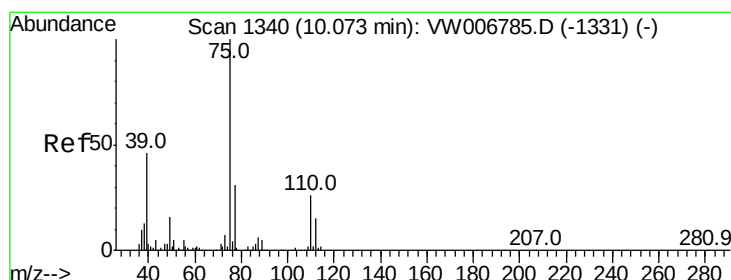
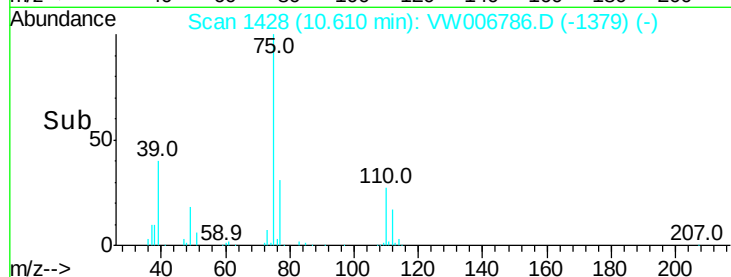
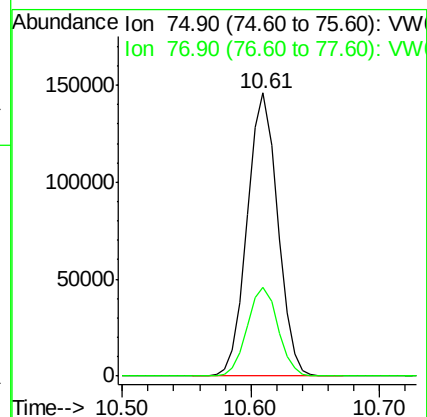
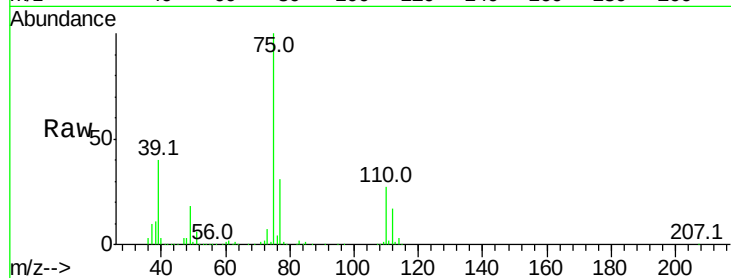
VSTDIC075

Tgt Ion: 75 Resp: 238469

Ion Ratio Lower Upper

75 100

77 31.2 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 75.093 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW006786.D

Acq: 09 Nov 2018 13:58

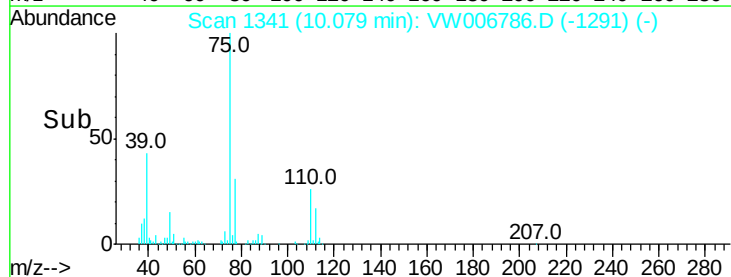
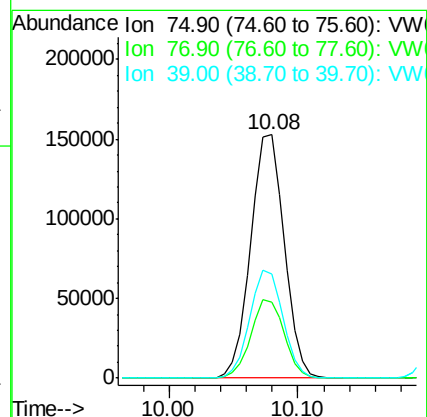
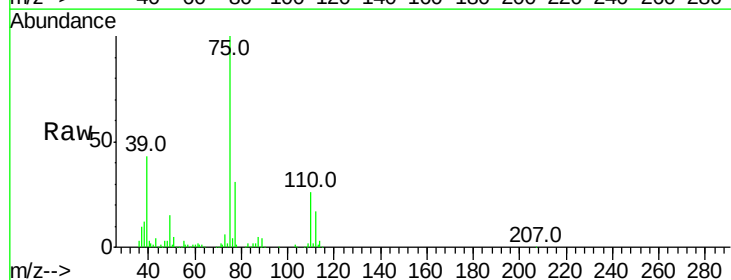
Tgt Ion: 75 Resp: 275154

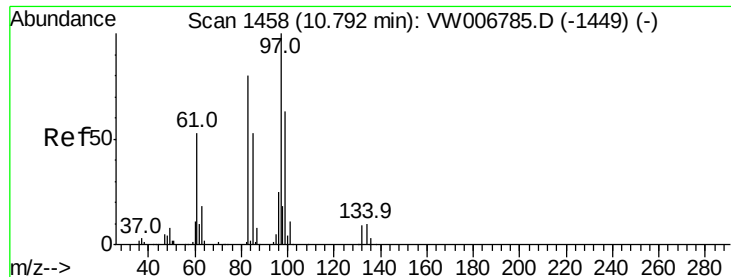
Ion Ratio Lower Upper

75 100

77 31.2 24.6 37.0

39 42.6 37.1 55.7

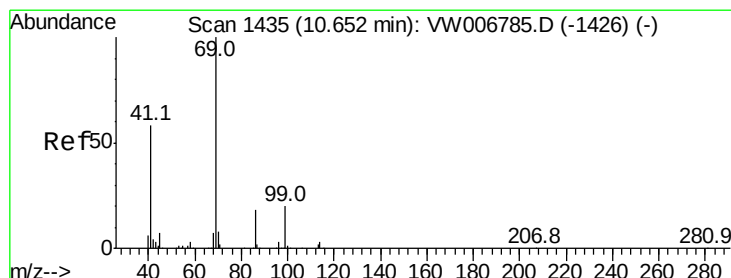
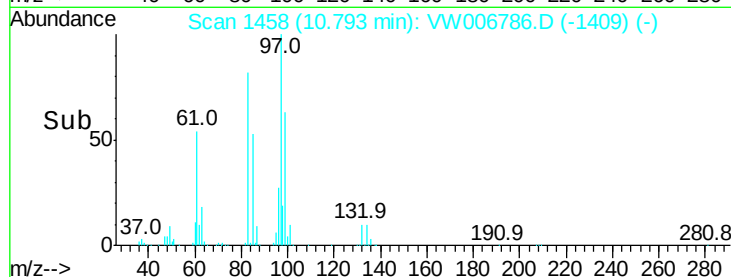
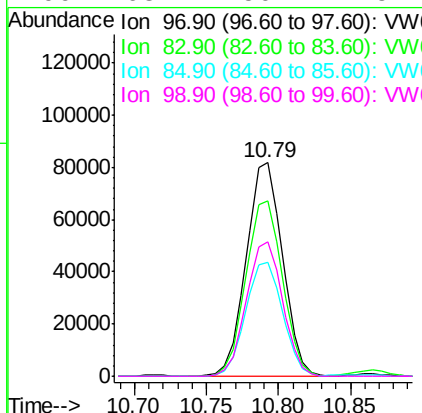
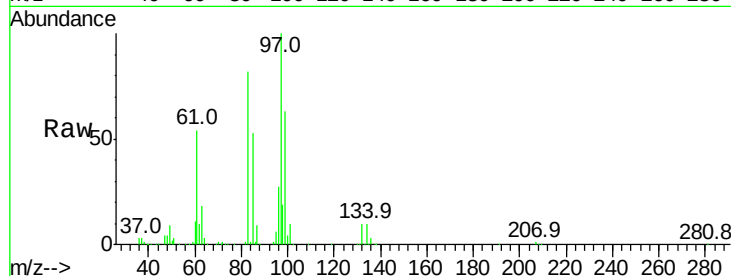




#55  
 1,1,2-Trichloroethane  
 Concen: 72.137 ug/l  
 RT: 10.79 min Scan# 1458  
 Delta R.T. 0.00 min  
 Lab File: VW006786.D  
 Acq: 09 Nov 2018 13:58

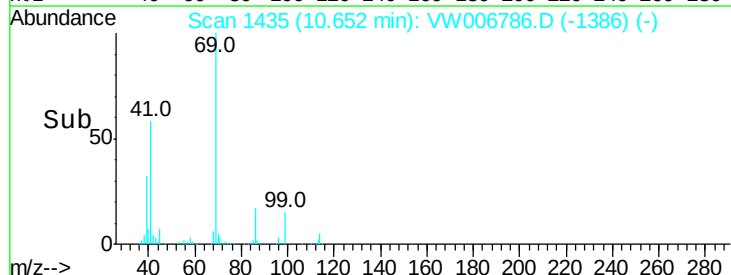
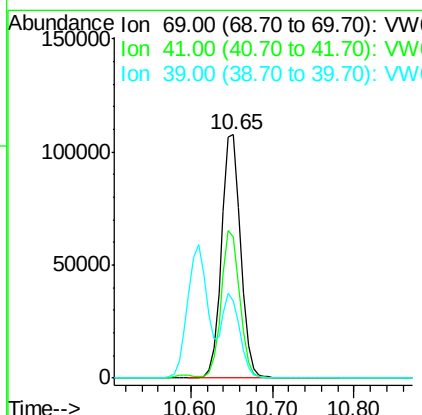
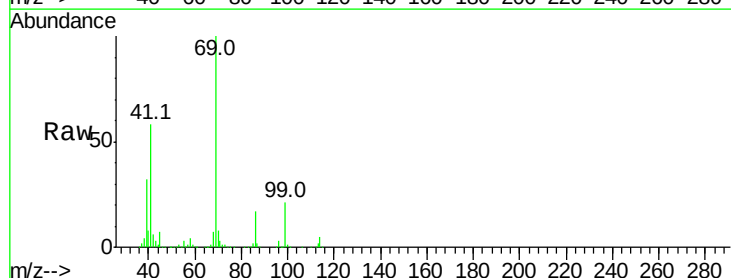
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC075

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 142021 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 82.1  | 64.4  | 96.6   |
| 85       | 53.6  | 42.6  | 63.8   |
| 99       | 63.1  | 50.2  | 75.2   |

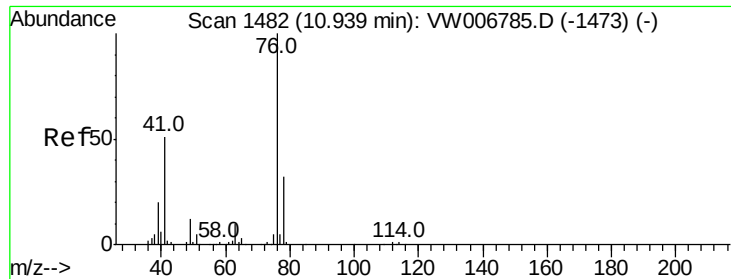


#56  
 Ethyl methacrylate  
 Concen: 78.354 ug/l  
 RT: 10.65 min Scan# 1435  
 Delta R.T. 0.00 min  
 Lab File: VW006786.D  
 Acq: 09 Nov 2018 13:58

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 175334 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 58.4  | 47.2  | 70.8   |
| 39       | 33.7  | 23.4  | 35.0   |







#57

1,3-Dichloropropane

Concen: 71.306 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.01 min

Lab File: VW006786.D

Acq: 09 Nov 2018 13:58

Instrument :

MSVOA\_W

ClientSampled :

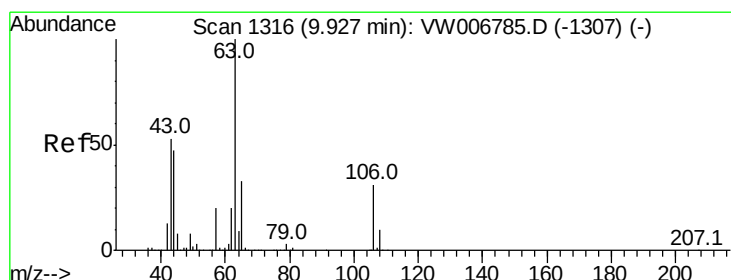
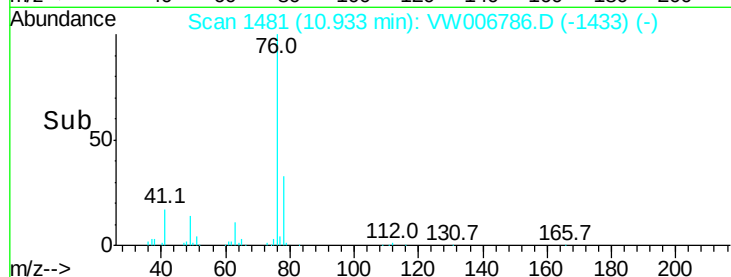
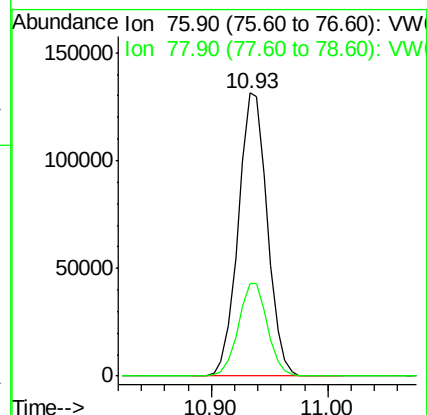
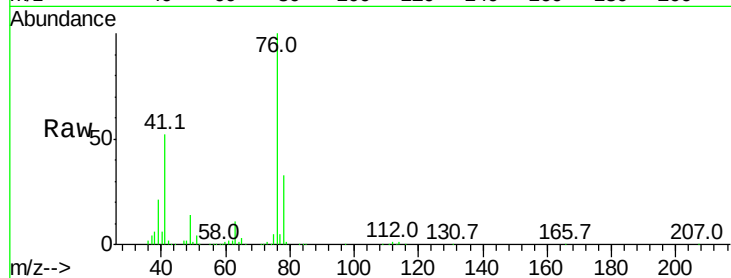
VSTDIC075

Tgt Ion: 76 Resp: 227960

Ion Ratio Lower Upper

76 100

78 32.8 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 393.601 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW006786.D

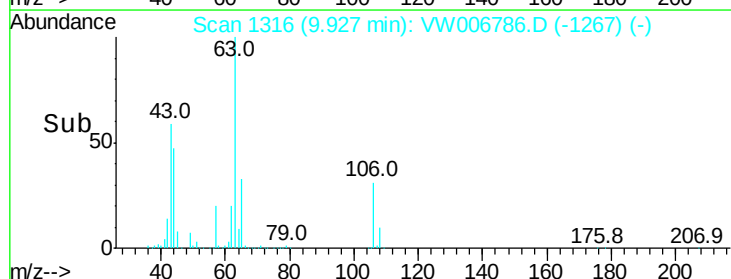
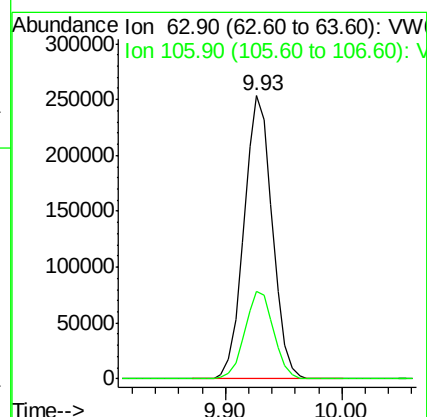
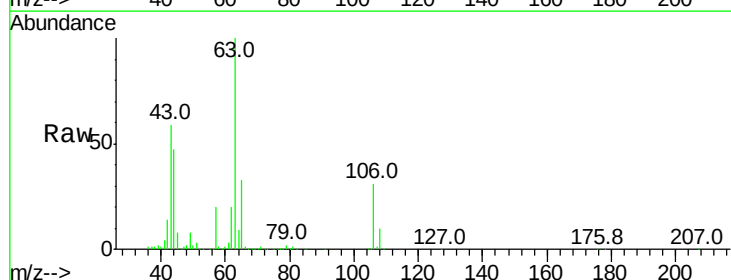
Acq: 09 Nov 2018 13:58

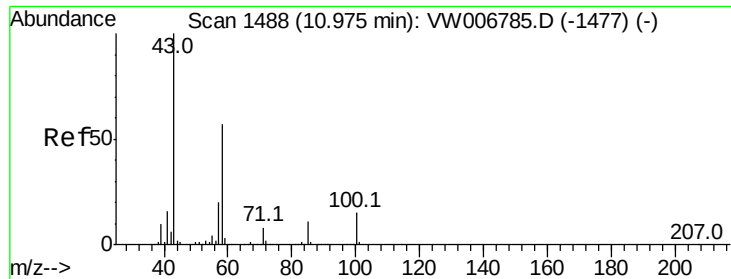
Tgt Ion: 63 Resp: 428145

Ion Ratio Lower Upper

63 100

106 31.5 25.3 37.9

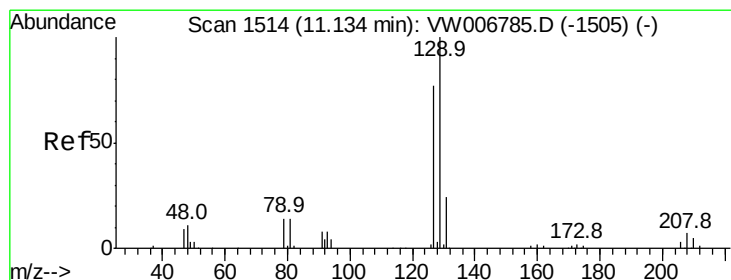
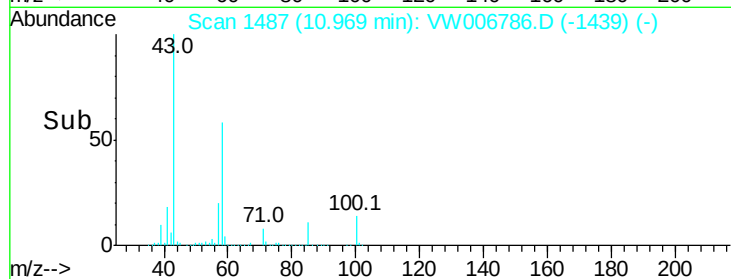
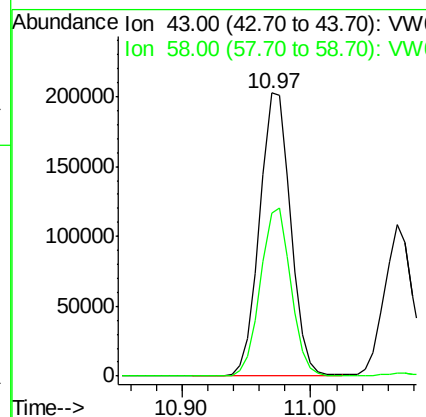
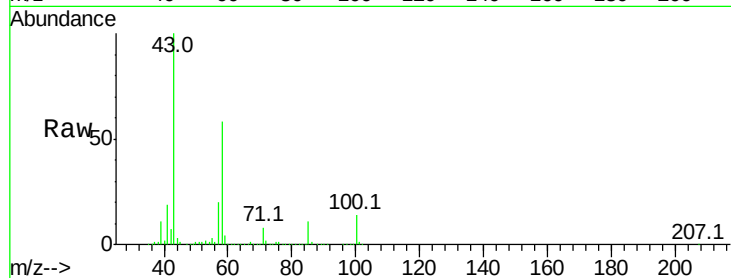




#59  
2-Hexanone  
Concen: 390.952 ug/l  
RT: 10.97 min Scan# 1487  
Delta R.T. -0.01 min  
Lab File: VW006786.D  
Acq: 09 Nov 2018 13:58

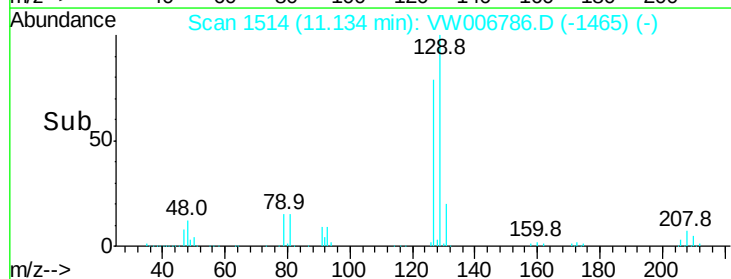
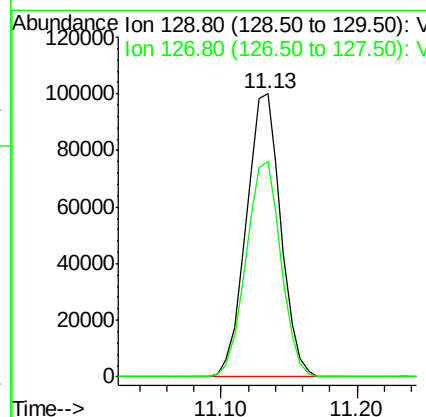
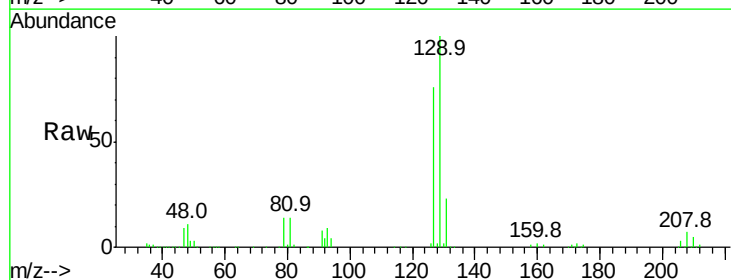
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC075

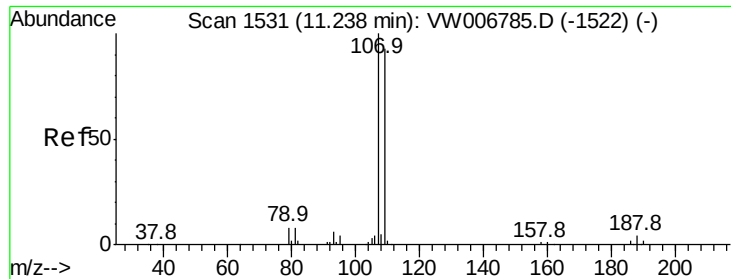
Tgt Ion: 43 Resp: 336763  
Ion Ratio Lower Upper  
43 100  
58 58.1 28.5 85.5



#60  
Dibromochloromethane  
Concen: 76.049 ug/l  
RT: 11.13 min Scan# 1514  
Delta R.T. 0.00 min  
Lab File: VW006786.D  
Acq: 09 Nov 2018 13:58

Tgt Ion: 129 Resp: 177394  
Ion Ratio Lower Upper  
129 100  
127 76.9 38.5 115.3

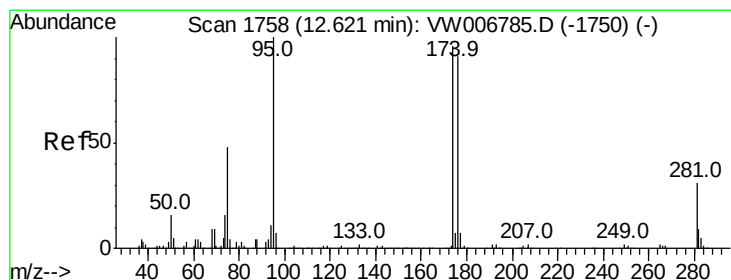
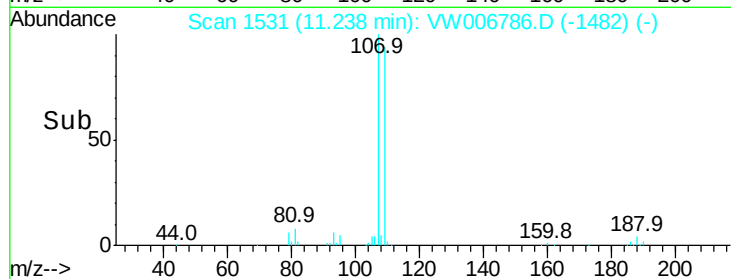
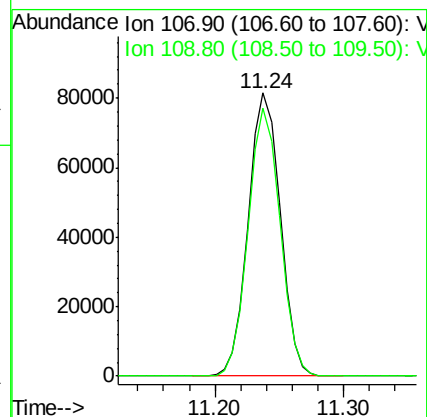
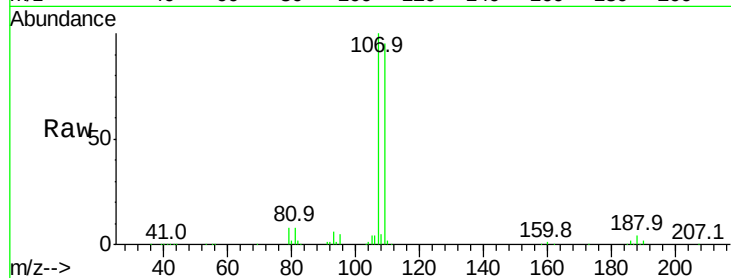




#61  
 1,2-Dibromoethane  
 Concen: 71.584 ug/l  
 RT: 11.24 min Scan# 1531  
 Delta R.T. 0.00 min  
 Lab File: VW006786.D  
 Acq: 09 Nov 2018 13:58

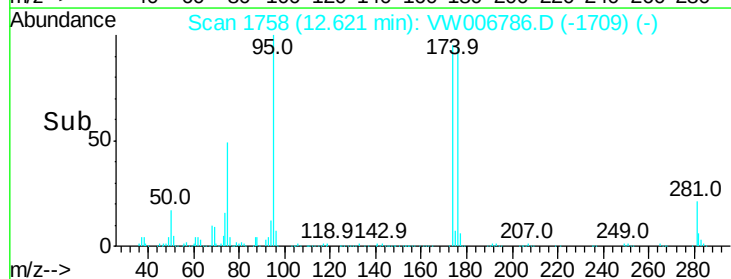
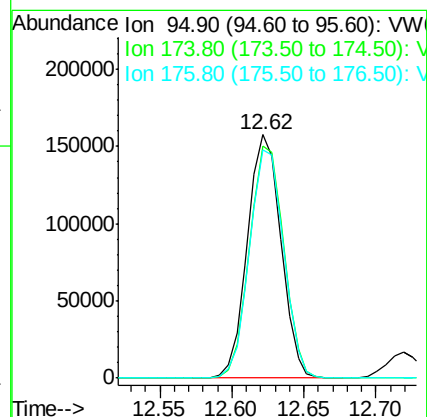
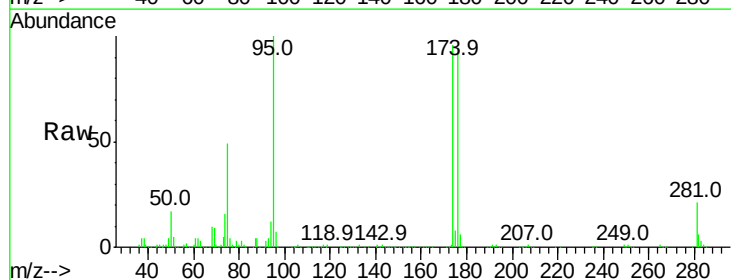
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC075

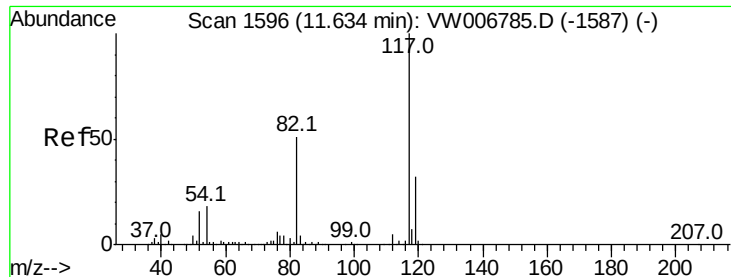
Tgt Ion: 107 Resp: 139953  
 Ion Ratio Lower Upper  
 107 100  
 109 94.3 75.5 113.3



#62  
 4-Bromofluorobenzene  
 Concen: 72.020 ug/l  
 RT: 12.62 min Scan# 1758  
 Delta R.T. 0.00 min  
 Lab File: VW006786.D  
 Acq: 09 Nov 2018 13:58

Tgt Ion: 95 Resp: 253303  
 Ion Ratio Lower Upper  
 95 100  
 174 97.5 0.0 196.2  
 176 95.5 0.0 190.8

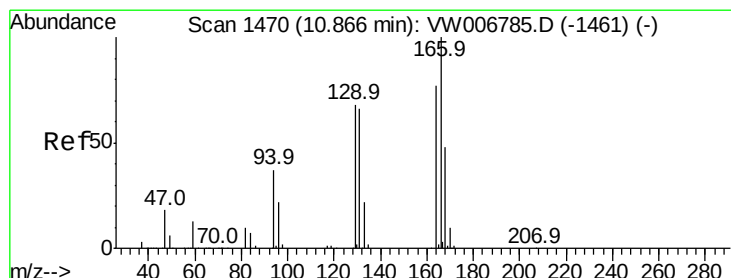
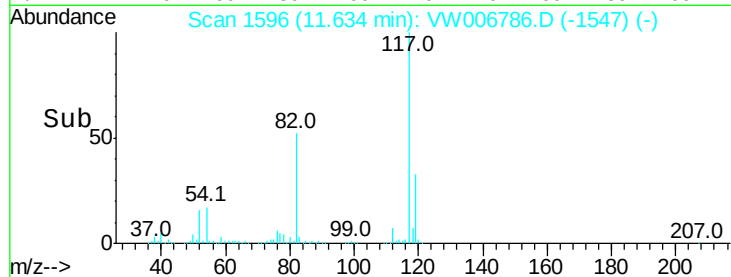
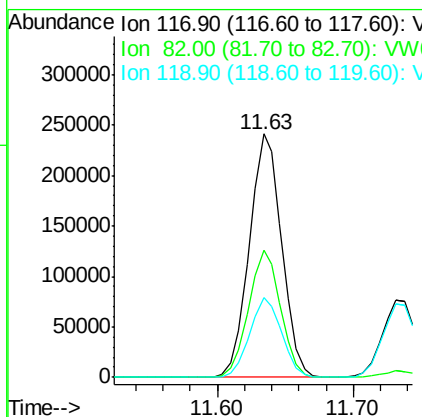
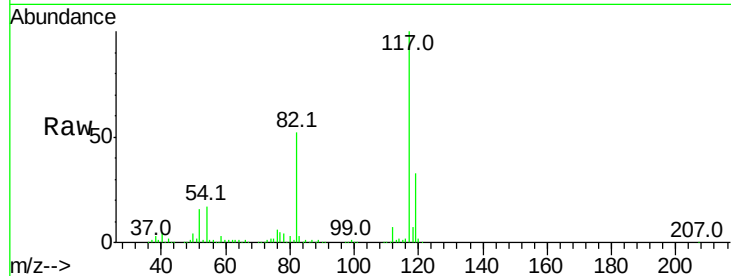




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW006786.D  
Acq: 09 Nov 2018 13:58

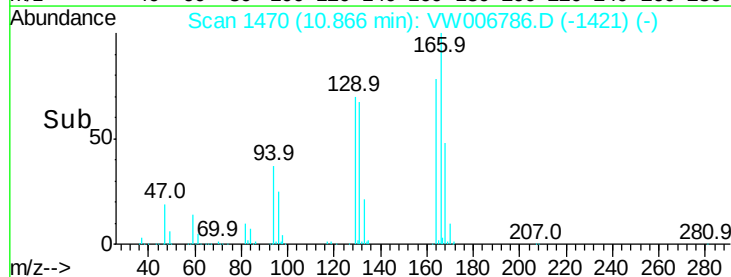
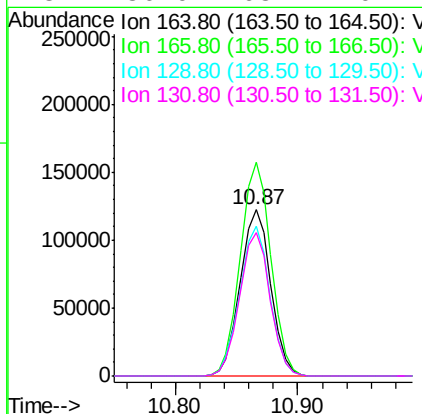
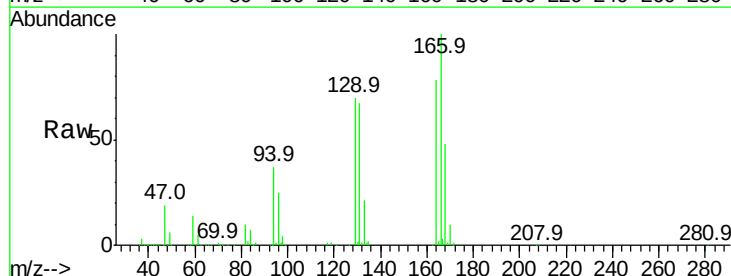
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC075

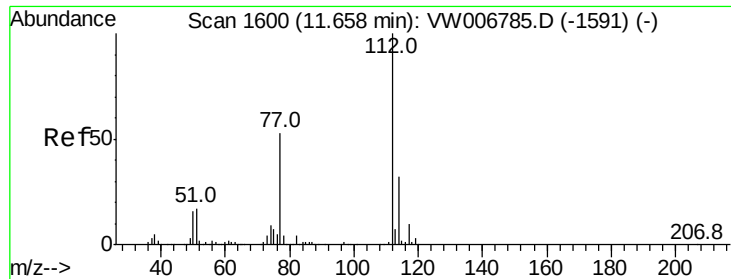
Tgt Ion:117 Resp: 401209  
Ion Ratio Lower Upper  
117 100  
82 52.5 40.9 61.3  
119 32.6 25.8 38.8



#64  
Tetrachloroethene  
Concen: 66.358 ug/l  
RT: 10.87 min Scan# 1470  
Delta R.T. 0.00 min  
Lab File: VW006786.D  
Acq: 09 Nov 2018 13:58

Tgt Ion:164 Resp: 212228  
Ion Ratio Lower Upper  
164 100  
166 128.6 103.7 155.5  
129 89.9 70.4 105.6  
131 86.0 68.2 102.2

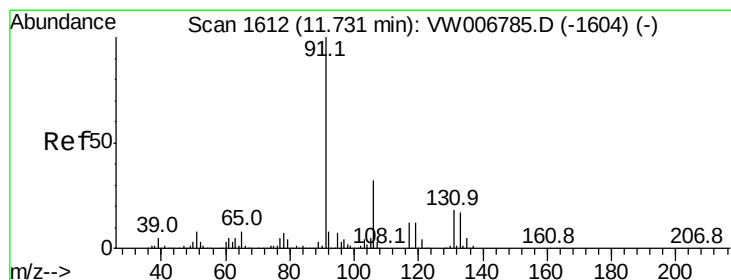
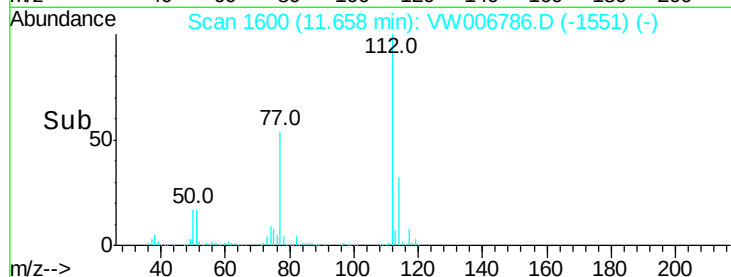
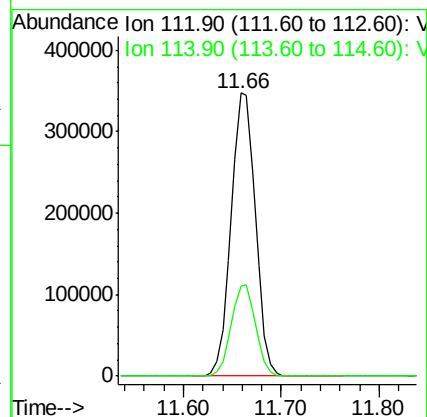
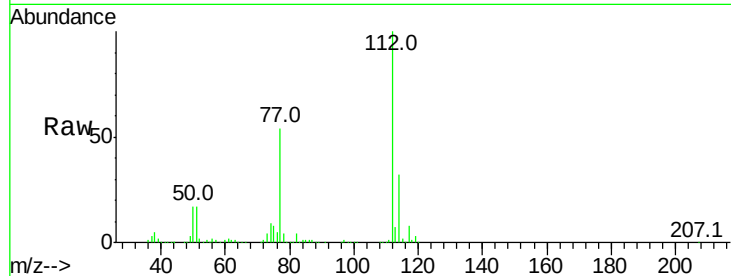




#65  
Chlorobenzene  
Concen: 70.957 ug/l  
RT: 11.66 min Scan# 1600  
Delta R.T. 0.00 min  
Lab File: VW006786.D  
Acq: 09 Nov 2018 13:58

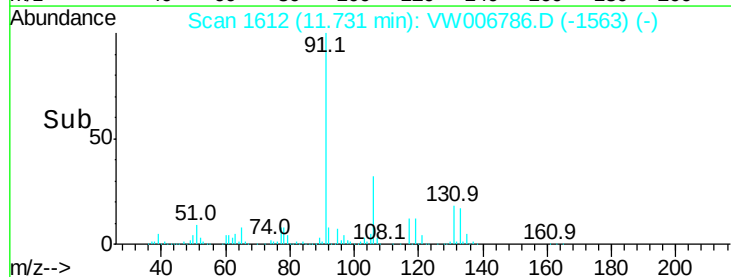
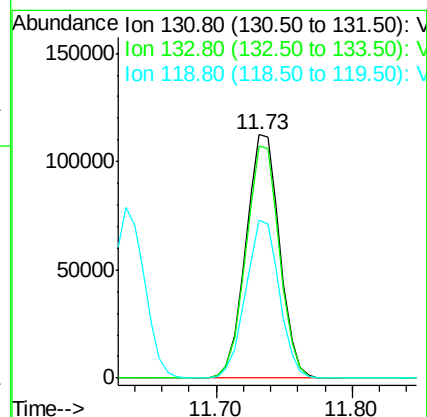
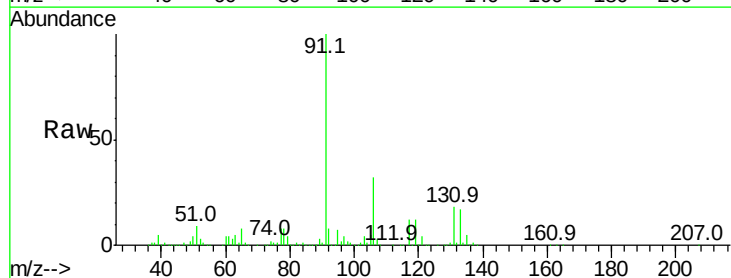
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC075

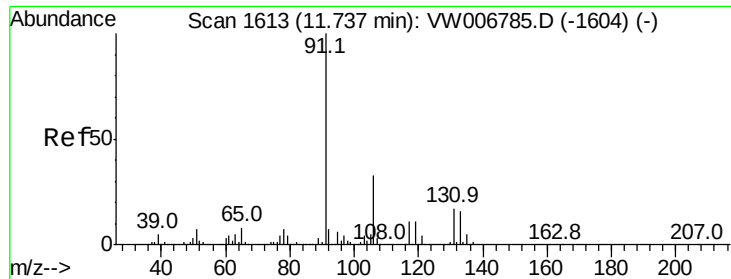
Tgt Ion:112 Resp: 599067  
Ion Ratio Lower Upper  
112 100  
114 31.9 25.9 38.9



#66  
1,1,1,2-Tetrachloroethane  
Concen: 65.733 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW006786.D  
Acq: 09 Nov 2018 13:58

Tgt Ion:131 Resp: 195059  
Ion Ratio Lower Upper  
131 100  
133 94.6 47.9 143.6  
119 64.5 32.3 96.8

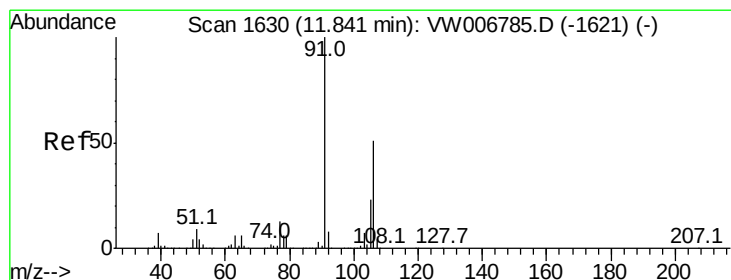
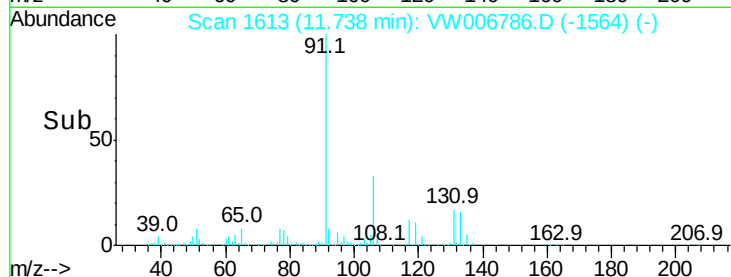
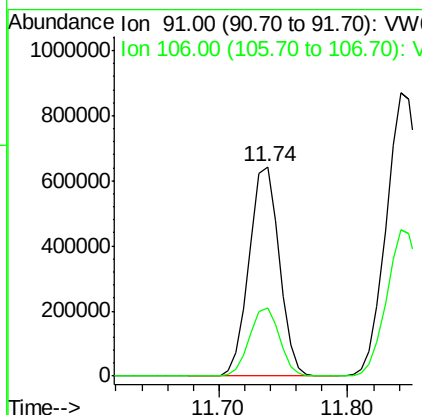
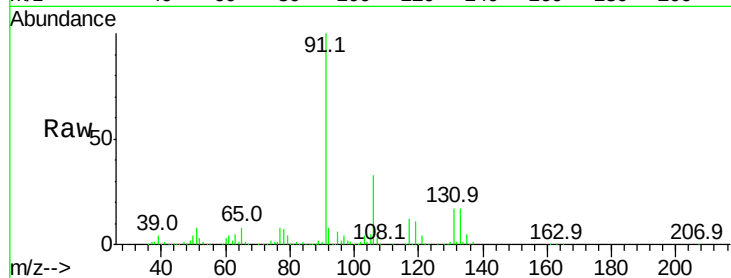




#67  
 Ethyl Benzene  
 Concen: 73.444 ug/l  
 RT: 11.74 min Scan# 1613  
 Delta R.T. 0.00 min  
 Lab File: VW006786.D  
 Acq: 09 Nov 2018 13:58

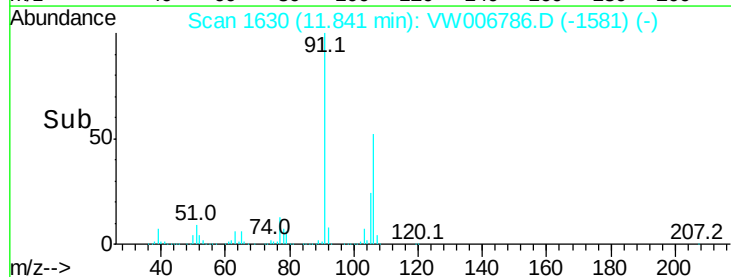
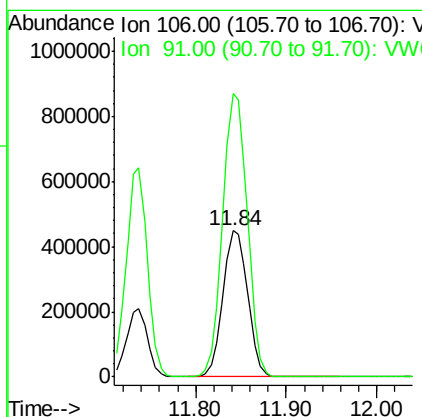
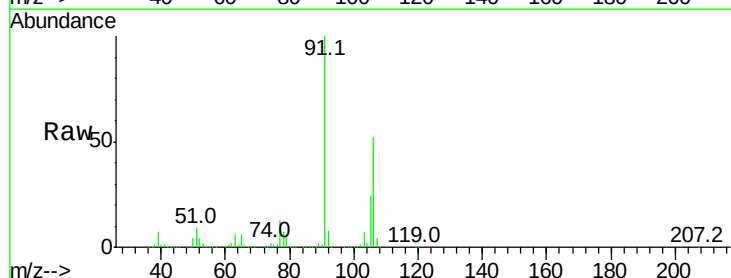
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC075

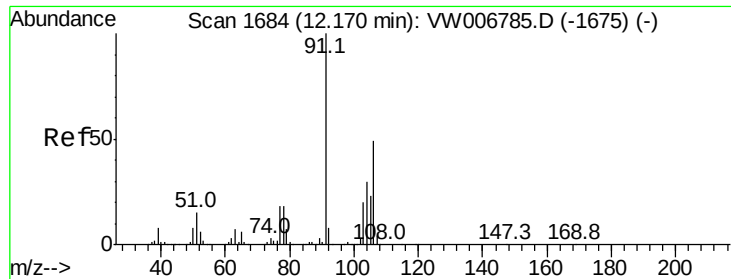
Tgt Ion: 91 Resp: 1036410  
 Ion Ratio Lower Upper  
 91 100  
 106 32.9 26.3 39.5



#68  
 m/p-Xylenes  
 Concen: 150.063 ug/l  
 RT: 11.84 min Scan# 1630  
 Delta R.T. 0.00 min  
 Lab File: VW006786.D  
 Acq: 09 Nov 2018 13:58

Tgt Ion: 106 Resp: 846036  
 Ion Ratio Lower Upper  
 106 100  
 91 194.7 155.3 232.9

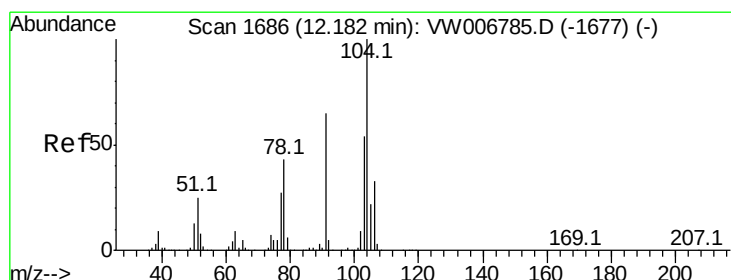
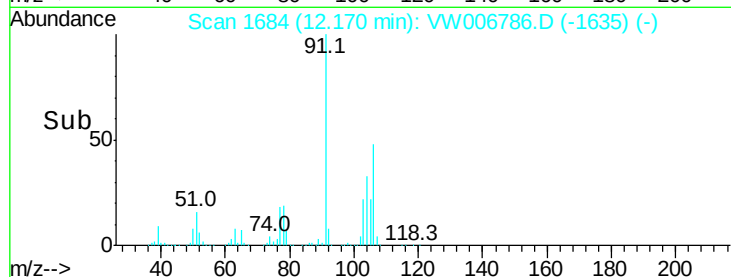
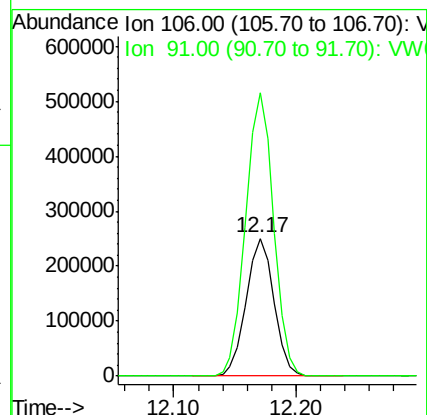
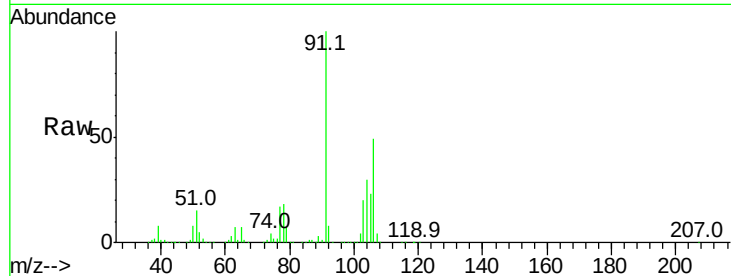




#69  
o-Xylene  
Concen: 73.765 ug/l  
RT: 12.17 min Scan# 1684  
Delta R.T. 0.00 min  
Lab File: VW006786.D  
Acq: 09 Nov 2018 13:58

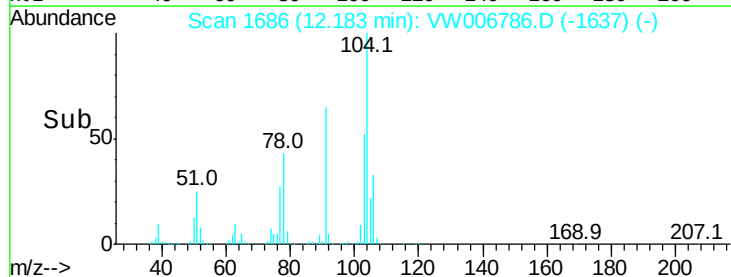
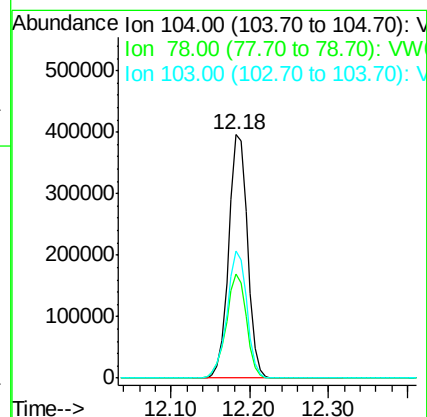
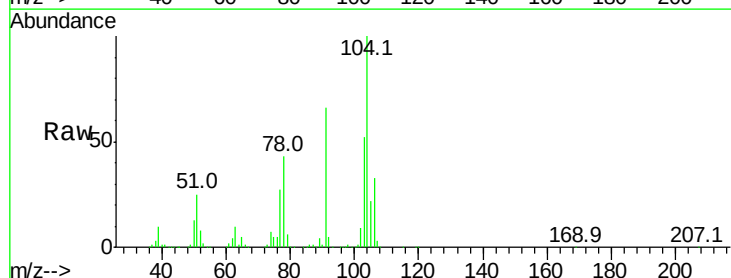
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC075

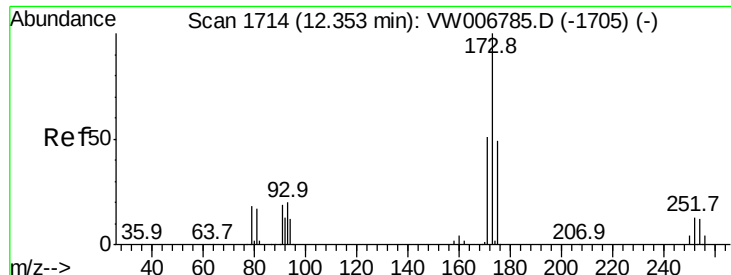
Tgt Ion:106 Resp: 395923  
Ion Ratio Lower Upper  
106 100  
91 206.5 103.0 308.9



#70  
Styrene  
Concen: 74.807 ug/l  
RT: 12.18 min Scan# 1686  
Delta R.T. 0.00 min  
Lab File: VW006786.D  
Acq: 09 Nov 2018 13:58

Tgt Ion:104 Resp: 654608  
Ion Ratio Lower Upper  
104 100  
78 46.0 37.1 55.7  
103 55.0 44.4 66.6





#71

Bromoform

Concen: 71.748 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006786.D

Acq: 09 Nov 2018 13:58

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC075

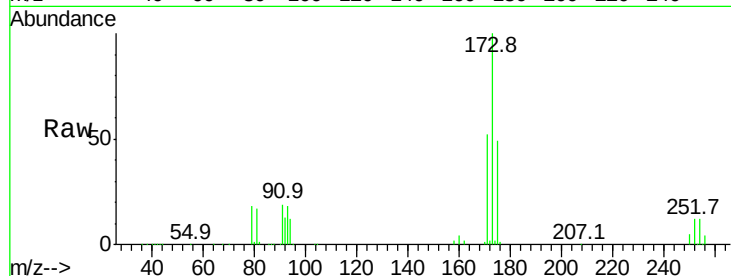
Tgt Ion:173 Resp: 112859

Ion Ratio Lower Upper

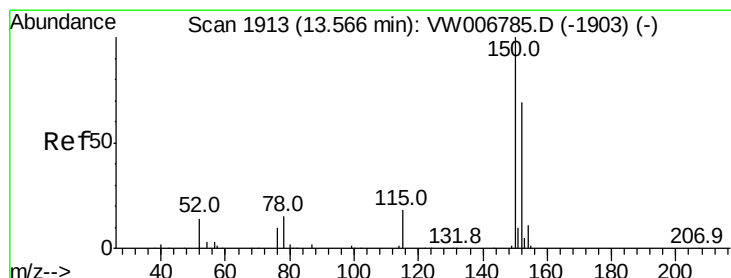
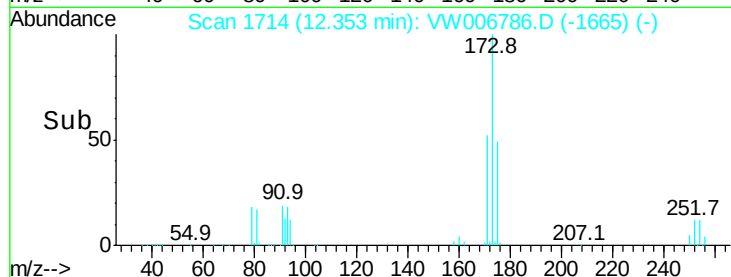
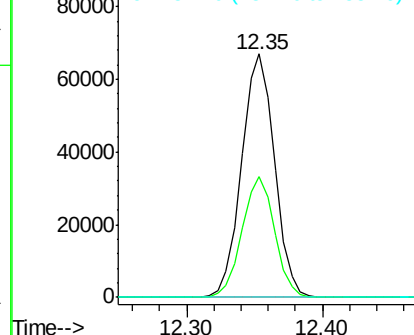
173 100

175 49.0 24.3 72.8

254 0.2 0.1 0.1#



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: VW006786.D

Acq: 09 Nov 2018 13:58

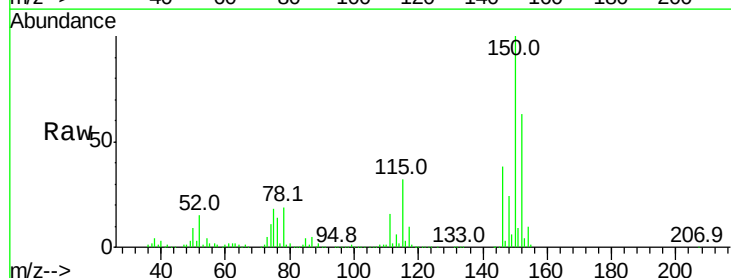
Tgt Ion:152 Resp: 231836

Ion Ratio Lower Upper

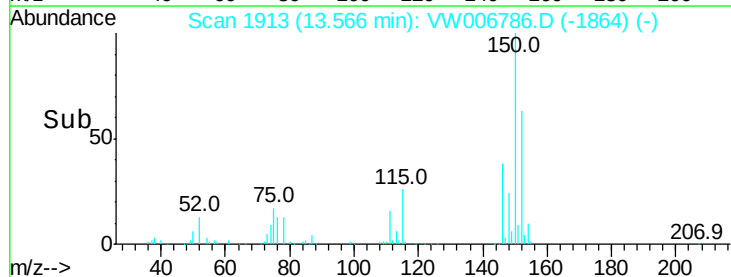
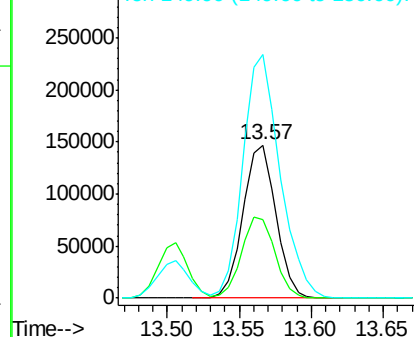
152 100

115 54.4 26.7 80.0

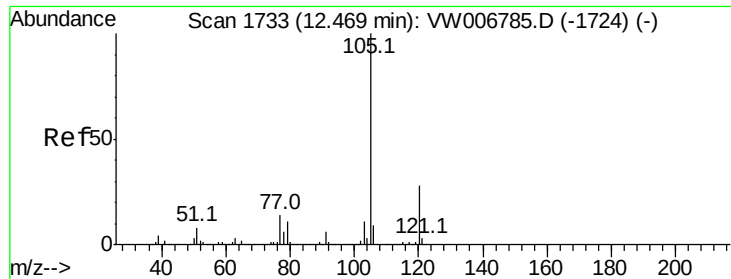
150 180.3 0.0 348.0



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: 71.184 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006786.D

Acq: 09 Nov 2018 13:58

Instrument :

MSVOA\_W

ClientSampleId :

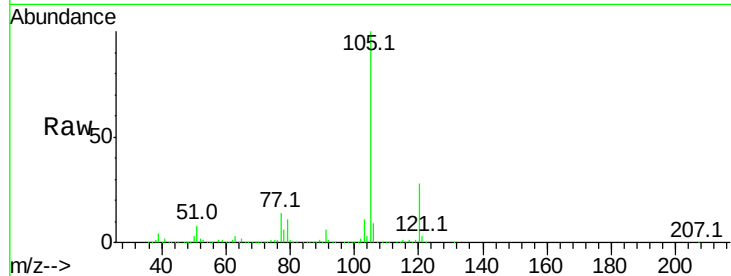
VSTDIC075

Tgt Ion:105 Resp: 1087144

Ion Ratio Lower Upper

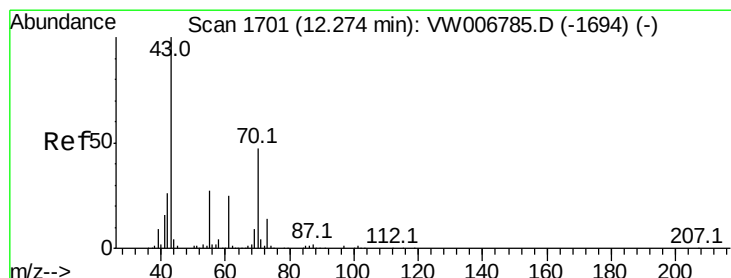
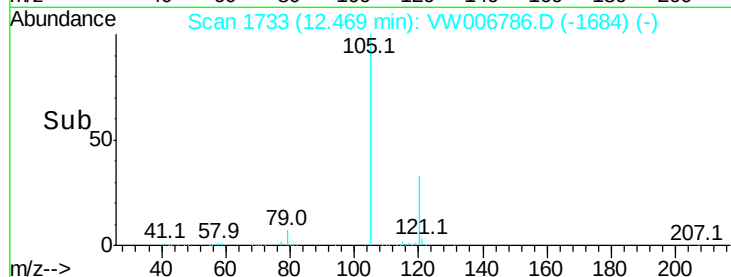
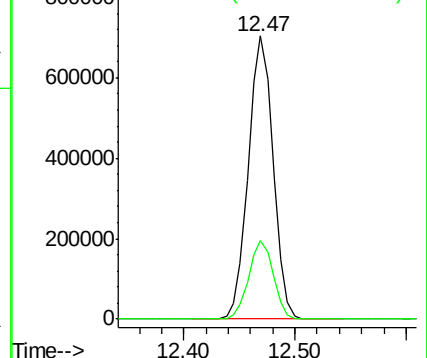
105 100

120 27.5 13.9 41.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 70.945 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.01 min

Lab File: VW006786.D

Acq: 09 Nov 2018 13:58

Tgt Ion: 43 Resp: 187230

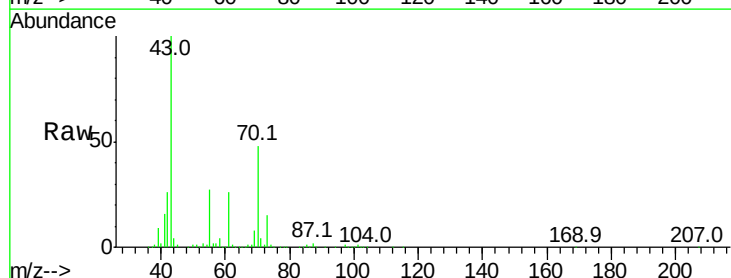
Ion Ratio Lower Upper

43 100

70 48.3 38.3 57.5

55 27.5 22.3 33.5

61 25.9 20.1 30.1

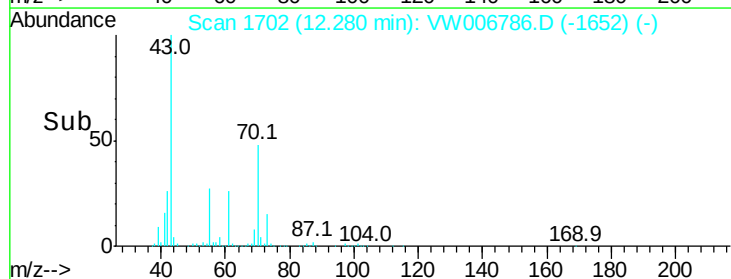
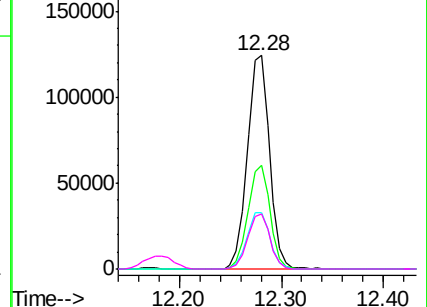


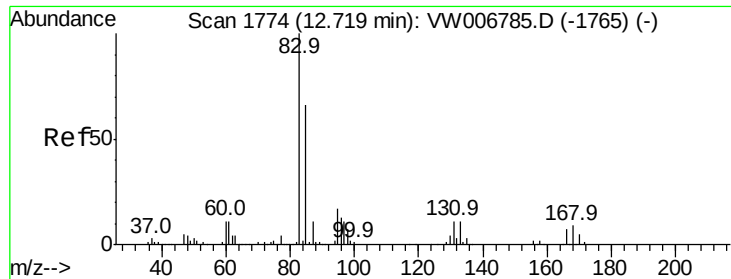
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 66.999 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006786.D

Acq: 09 Nov 2018 13:58

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC075

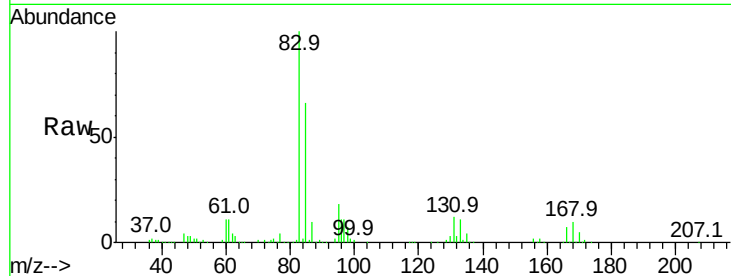
Tgt Ion: 83 Resp: 161609

Ion Ratio Lower Upper

83 100

131 12.1 6.0 18.0

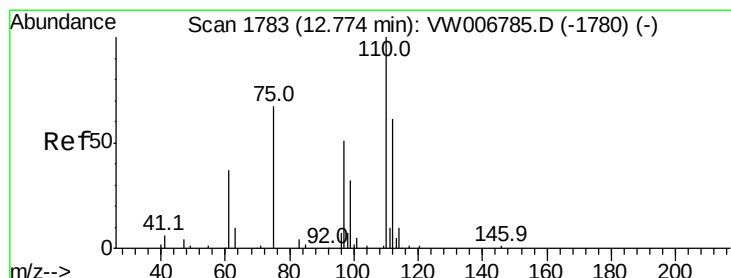
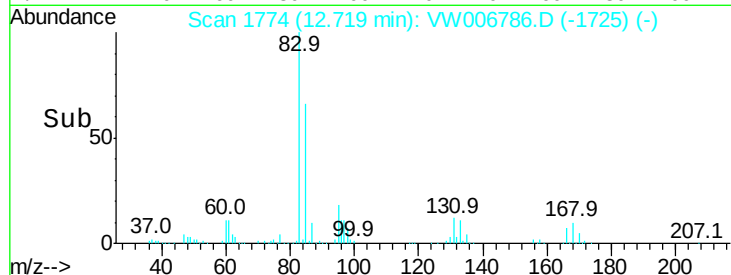
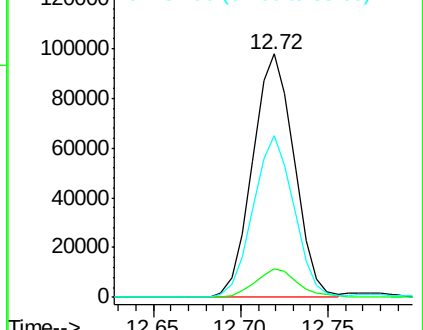
85 65.2 32.3 96.8



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: 118.933 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006786.D

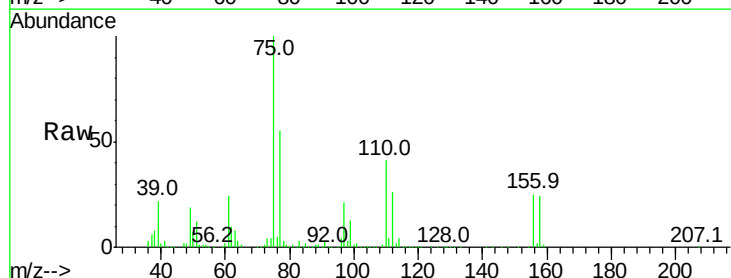
Acq: 09 Nov 2018 13:58

Tgt Ion: 75 Resp: 215132

Ion Ratio Lower Upper

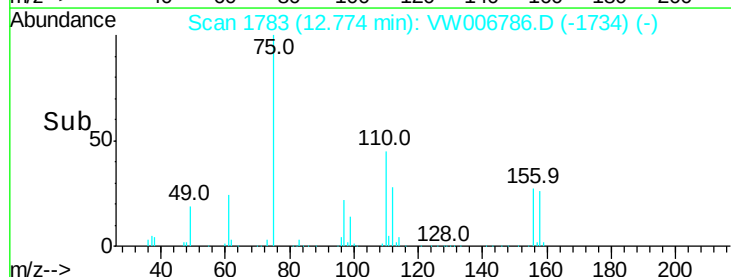
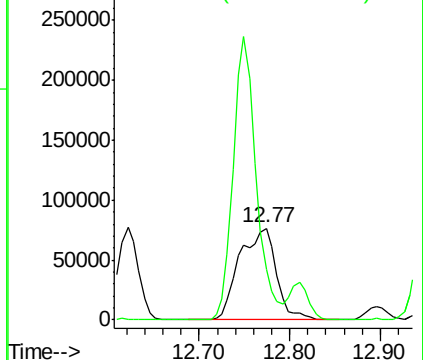
75 100

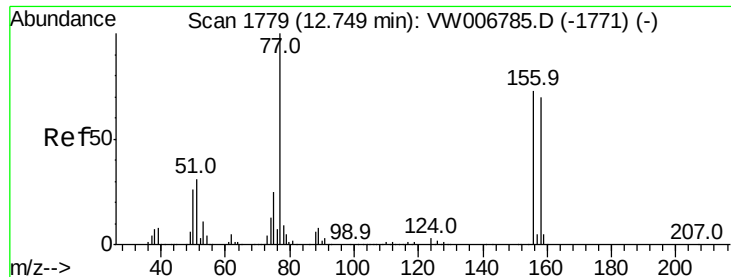
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 69.256 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006786.D

Acq: 09 Nov 2018 13:58

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC075

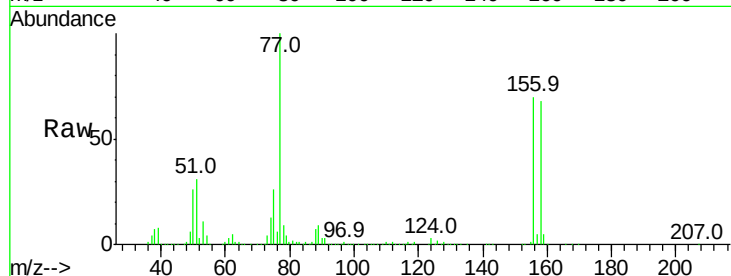
Tgt Ion:156 Resp: 273848

Ion Ratio Lower Upper

156 100

77 153.2 75.4 226.3

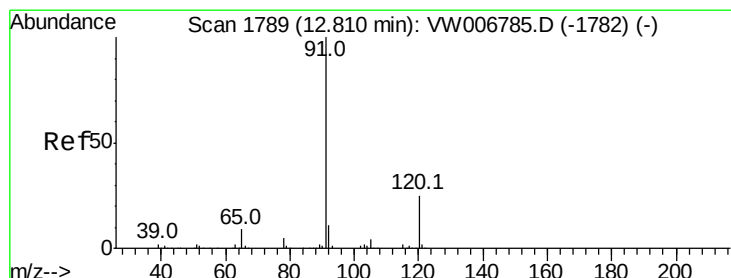
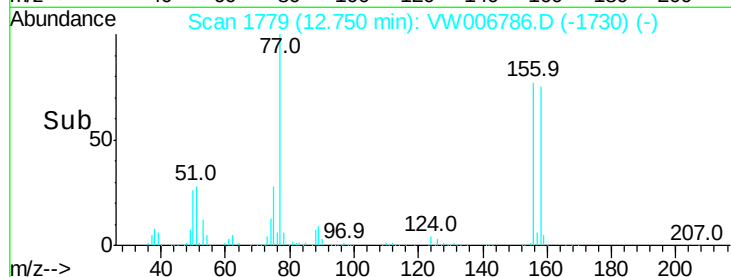
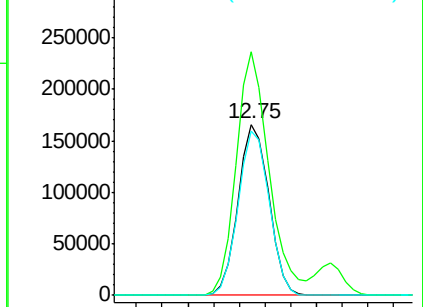
158 97.0 48.7 146.1



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: 72.921 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006786.D

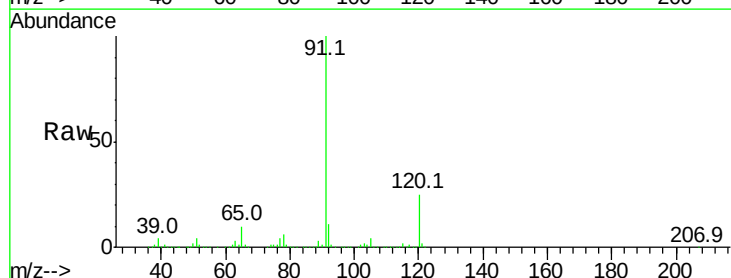
Acq: 09 Nov 2018 13:58

Tgt Ion: 91 Resp: 1280961

Ion Ratio Lower Upper

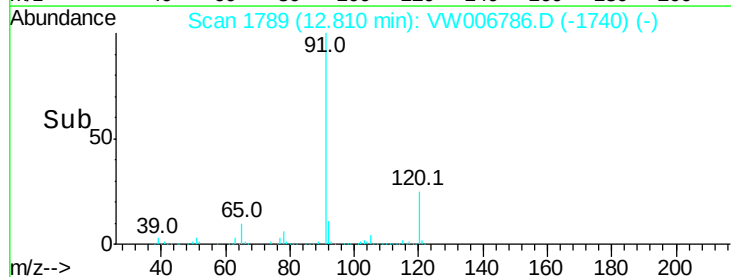
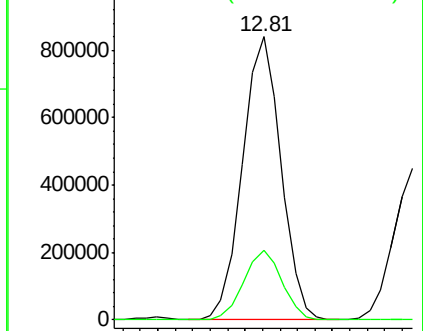
91 100

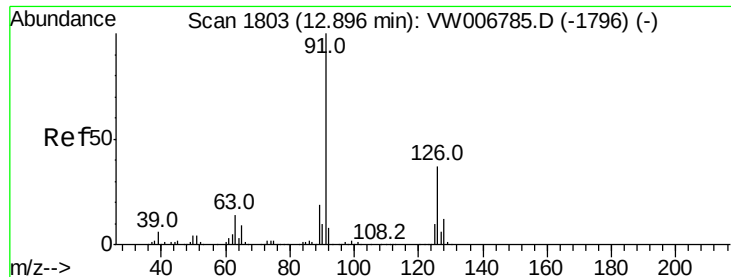
120 24.6 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 70.813 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006786.D

Acq: 09 Nov 2018 13:58

Instrument :

MSVOA\_W

ClientSampleId :

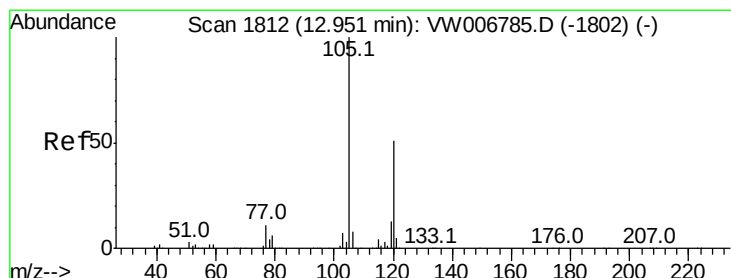
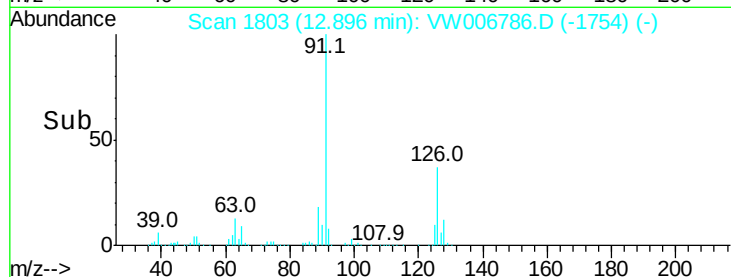
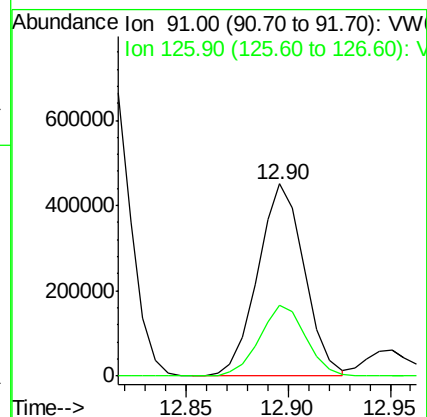
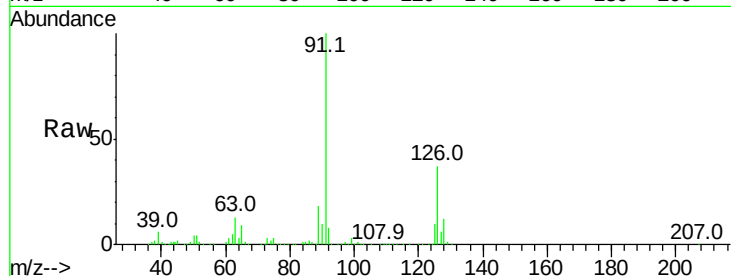
VSTDIC075

Tgt Ion: 91 Resp: 713897

Ion Ratio Lower Upper

91 100

126 36.7 18.4 55.2



#80

1,3,5-Trimethylbenzene

Concen: 72.695 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006786.D

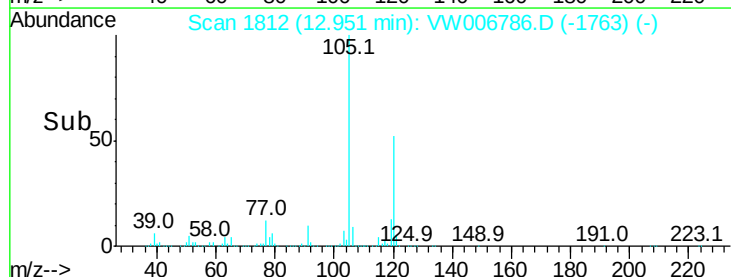
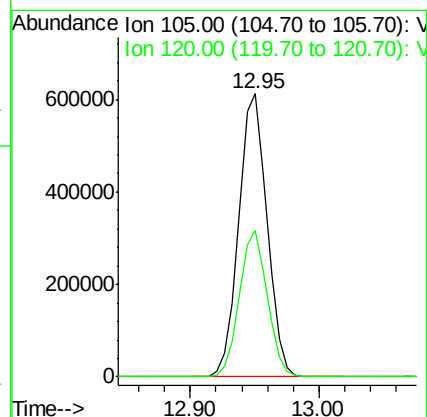
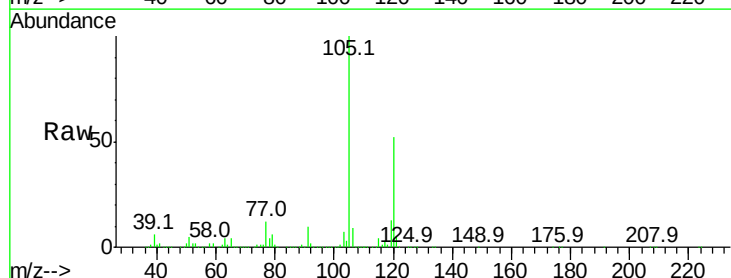
Acq: 09 Nov 2018 13:58

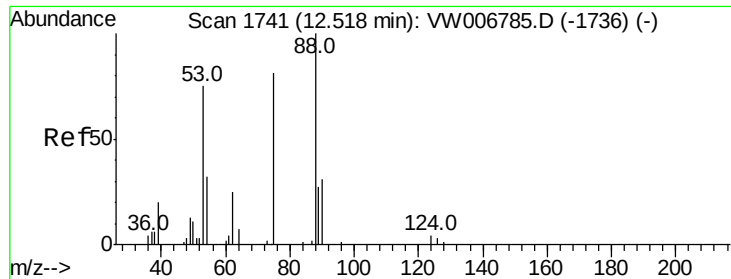
Tgt Ion: 105 Resp: 932717

Ion Ratio Lower Upper

105 100

120 51.1 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 79.955 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW006786.D

Acq: 09 Nov 2018 13:58

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC075

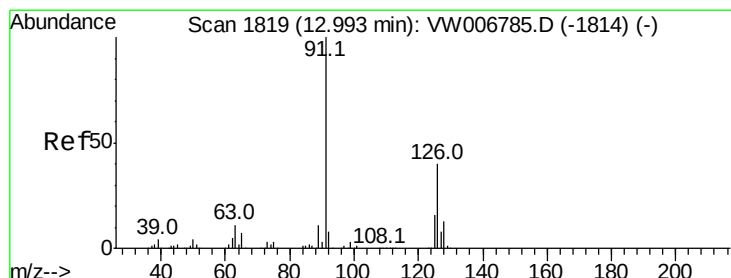
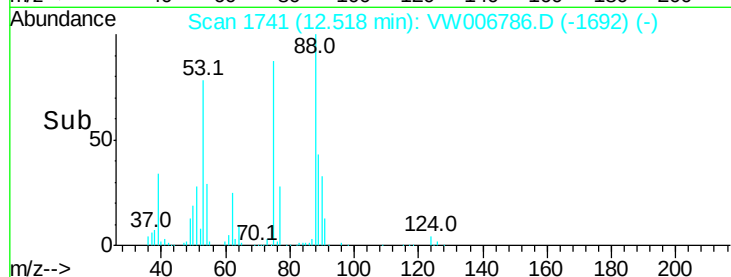
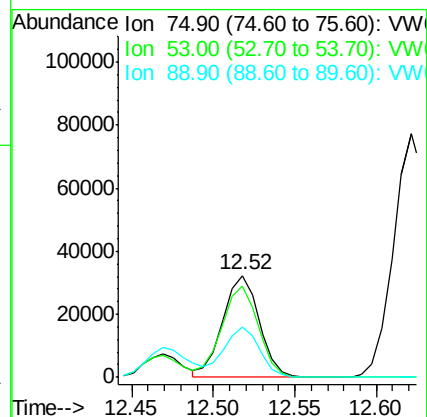
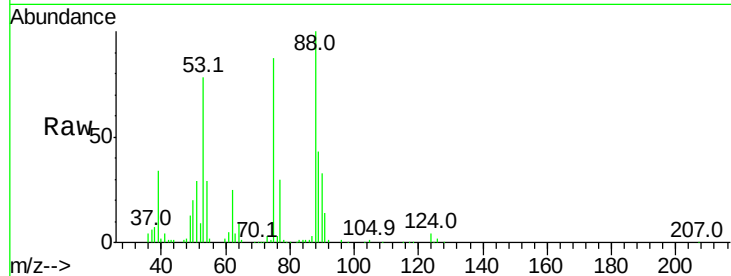
Tgt Ion: 75 Resp: 49803

Ion Ratio Lower Upper

75 100

53 90.7 74.0 111.0

89 48.9 38.1 57.1



#82

4-Chlorotoluene

Concen: 71.333 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW006786.D

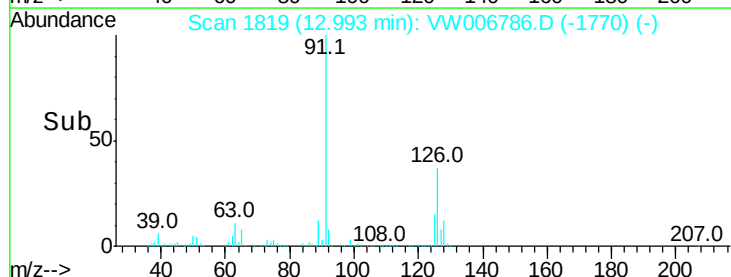
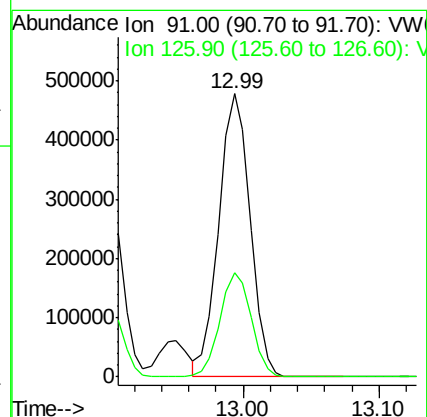
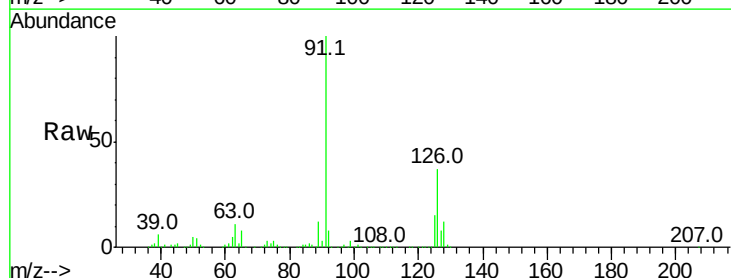
Acq: 09 Nov 2018 13:58

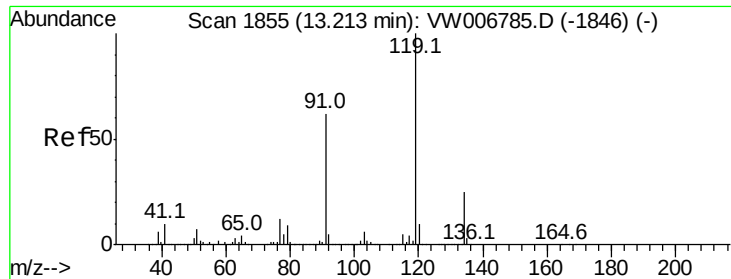
Tgt Ion: 91 Resp: 760815

Ion Ratio Lower Upper

91 100

126 36.8 18.6 55.6

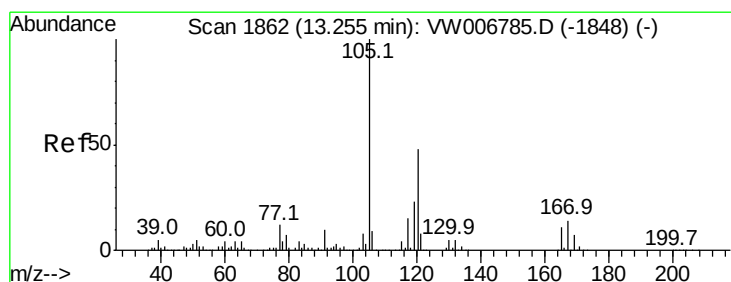
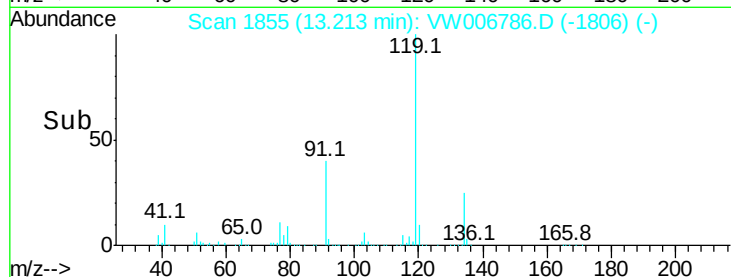
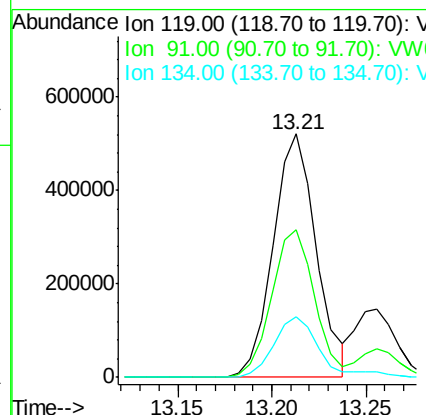
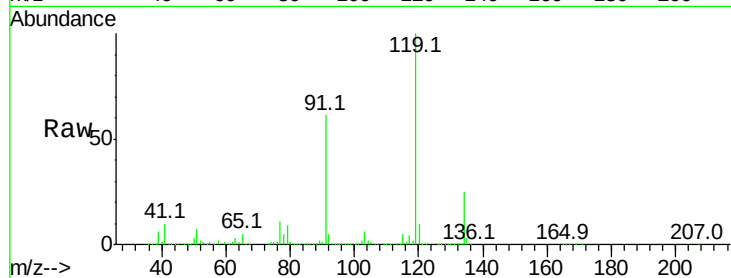




#83  
 tert-Butylbenzene  
 Concen: 72.055 ug/l  
 RT: 13.21 min Scan# 1855  
 Delta R.T. 0.00 min  
 Lab File: VW006786.D  
 Acq: 09 Nov 2018 13:58

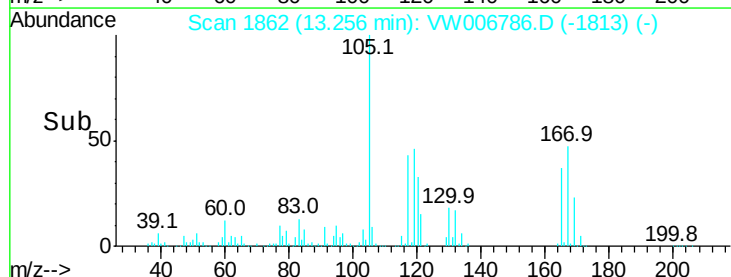
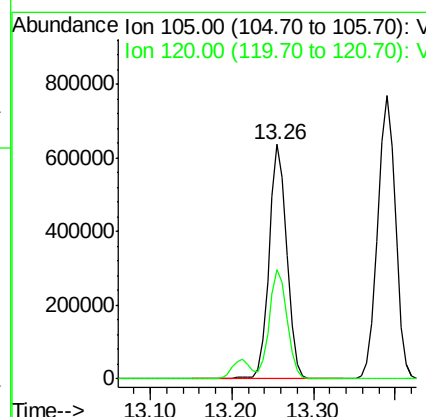
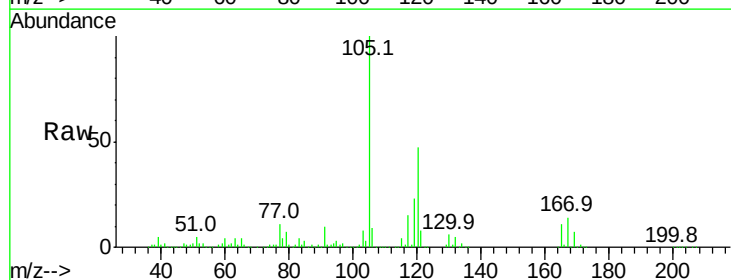
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC075

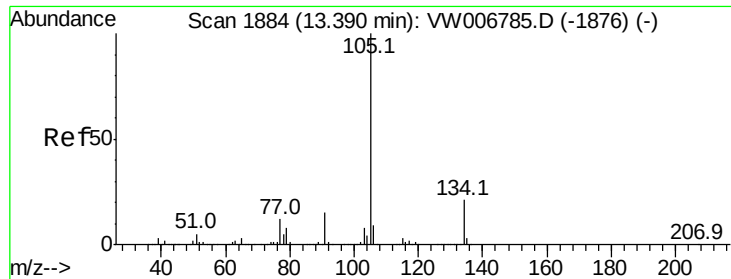
Tgt Ion:119 Resp: 824446  
 Ion Ratio Lower Upper  
 119 100  
 91 60.4 30.4 91.2  
 134 26.5 13.6 40.7



#84  
 1,2,4-Trimethylbenzene  
 Concen: 73.129 ug/l  
 RT: 13.26 min Scan# 1862  
 Delta R.T. 0.00 min  
 Lab File: VW006786.D  
 Acq: 09 Nov 2018 13:58

Tgt Ion:105 Resp: 962411  
 Ion Ratio Lower Upper  
 105 100  
 120 46.6 23.4 70.0

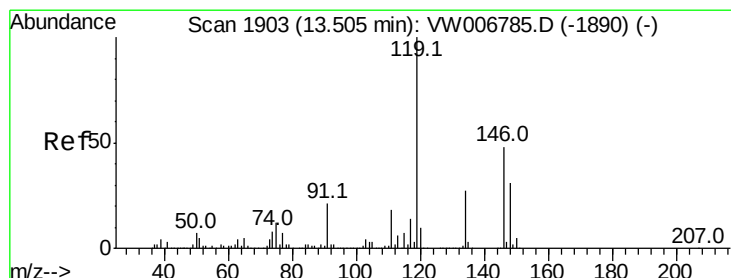
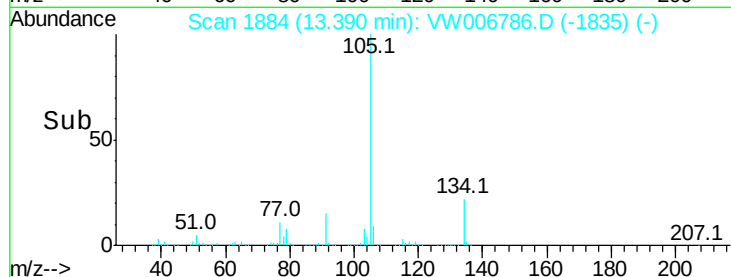
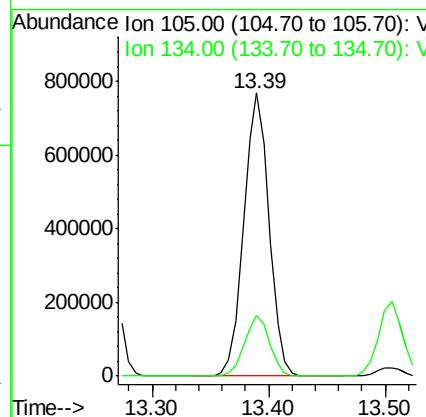
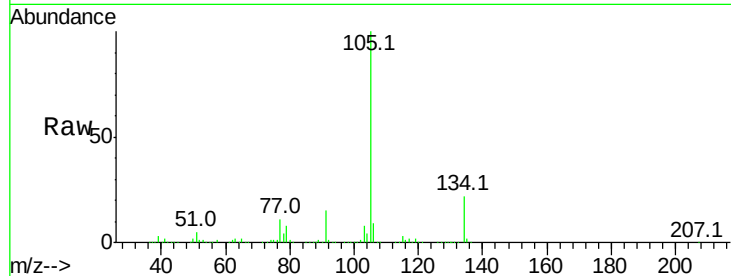




#85  
 sec-Butylbenzene  
 Concen: 72.455 ug/l  
 RT: 13.39 min Scan# 1884  
 Delta R.T. 0.00 min  
 Lab File: VW006786.D  
 Acq: 09 Nov 2018 13:58

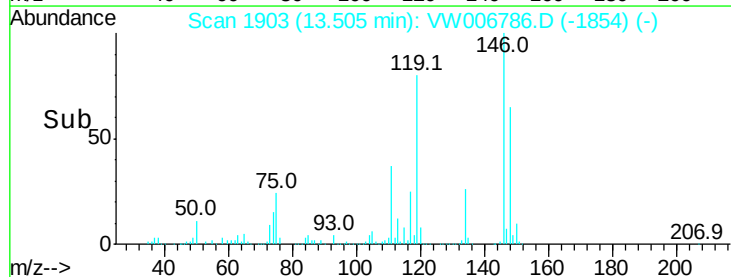
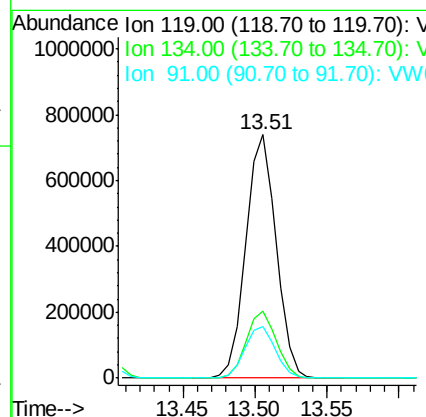
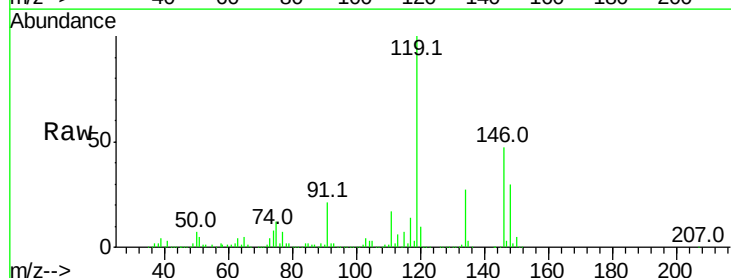
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC075

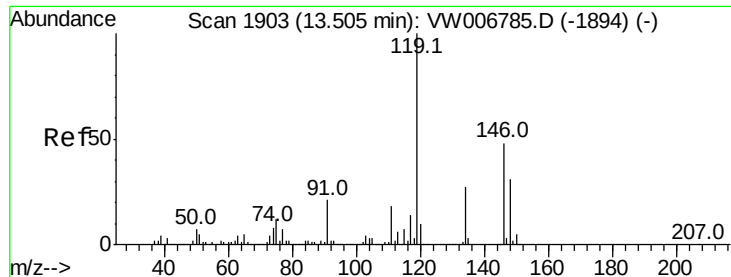
Tgt Ion:105 Resp: 1161103  
 Ion Ratio Lower Upper  
 105 100  
 134 21.4 10.7 32.1



#86  
 p-Isopropyltoluene  
 Concen: 73.411 ug/l  
 RT: 13.51 min Scan# 1903  
 Delta R.T. 0.00 min  
 Lab File: VW006786.D  
 Acq: 09 Nov 2018 13:58

Tgt Ion:119 Resp: 1070445  
 Ion Ratio Lower Upper  
 119 100  
 134 27.3 13.6 40.7  
 91 21.5 10.8 32.4





#87

1,3-Dichlorobenzene

Concen: 70.803 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

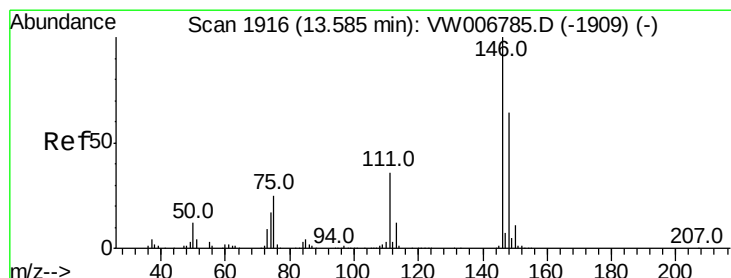
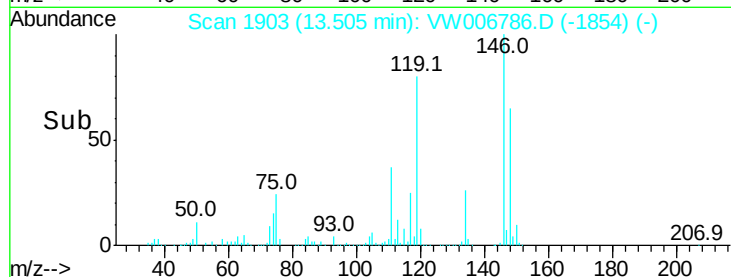
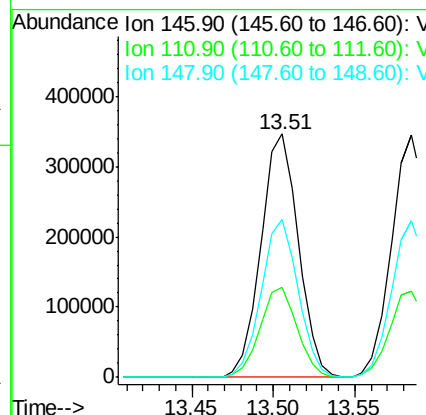
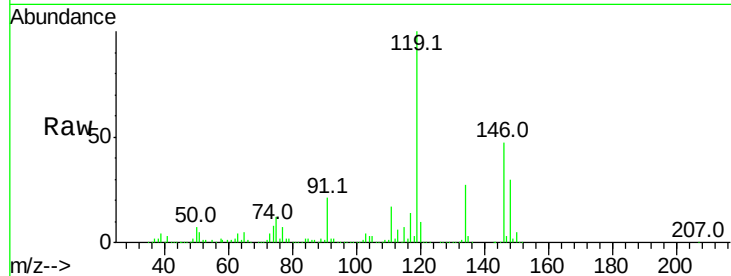
Lab File: VW006786.D

Acq: 09 Nov 2018 13:58

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC075

Tgt Ion:146 Resp: 551360

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 36.8  | 18.4  | 55.0  |
| 148 | 63.8  | 31.9  | 95.9  |



#88

1,4-Dichlorobenzene

Concen: 70.366 ug/l

RT: 13.58 min Scan# 1916

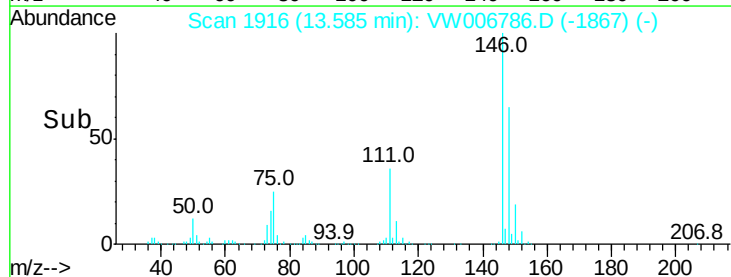
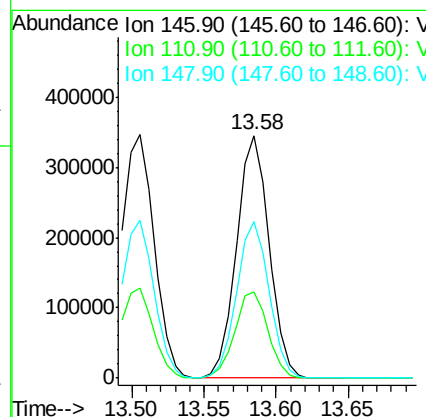
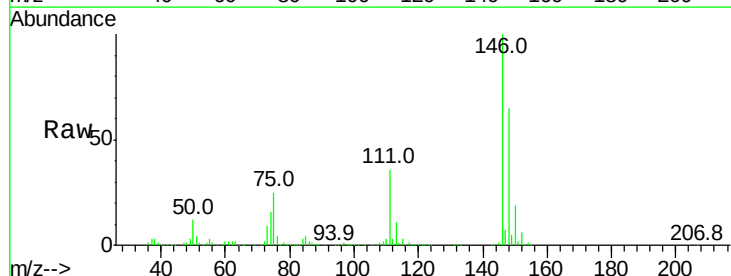
Delta R.T. 0.00 min

Lab File: VW006786.D

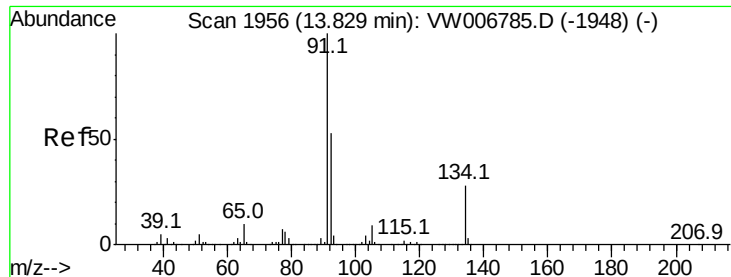
Acq: 09 Nov 2018 13:58

Tgt Ion:146 Resp: 543162

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 36.2  | 18.1  | 54.1  |
| 148 | 64.7  | 32.2  | 96.6  |







#89

n-Butylbenzene

Concen: 76.042 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006786.D

Acq: 09 Nov 2018 13:58

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC075

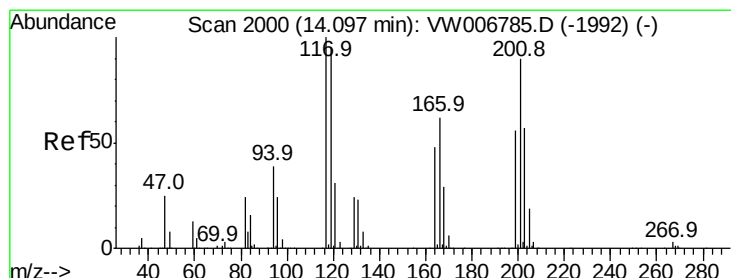
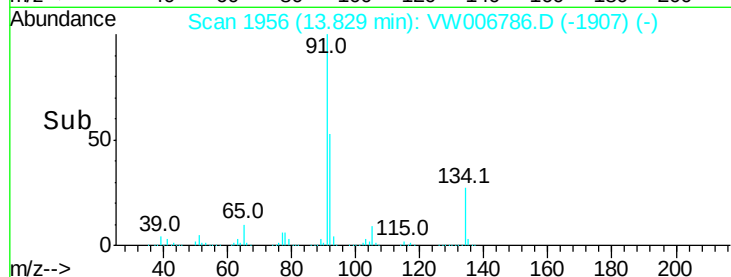
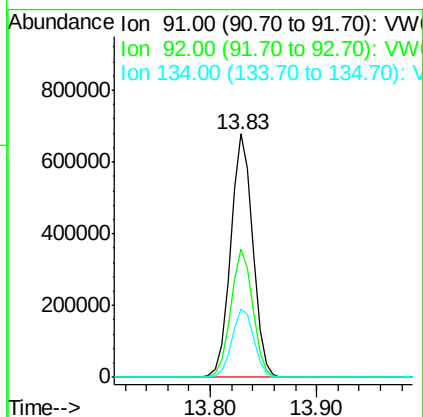
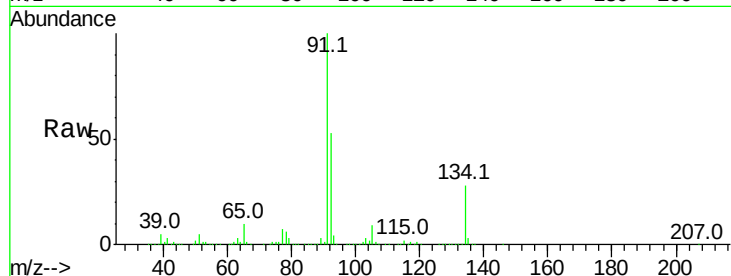
Tgt Ion: 91 Resp: 984272

Ion Ratio Lower Upper

91 100

92 52.3 26.1 78.2

134 28.3 14.2 42.8



#90

Hexachloroethane

Concen: 70.042 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW006786.D

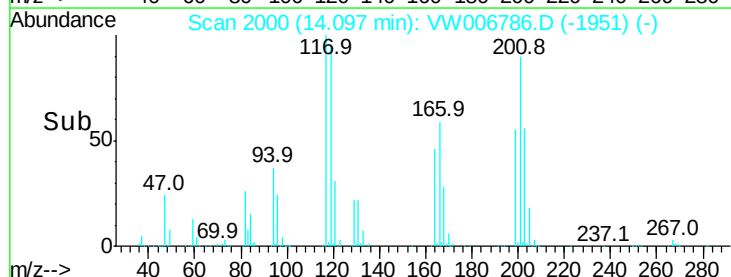
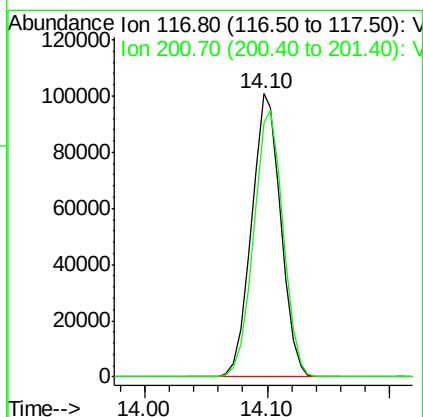
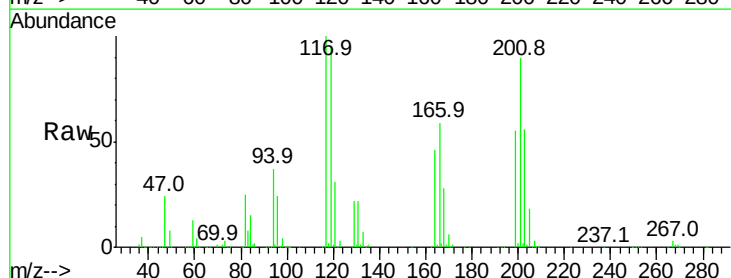
Acq: 09 Nov 2018 13:58

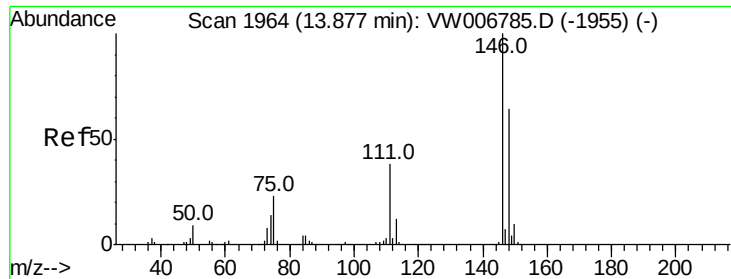
Tgt Ion: 117 Resp: 167858

Ion Ratio Lower Upper

117 100

201 94.7 47.0 141.2

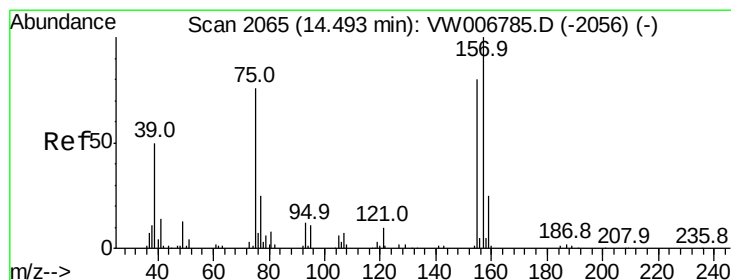
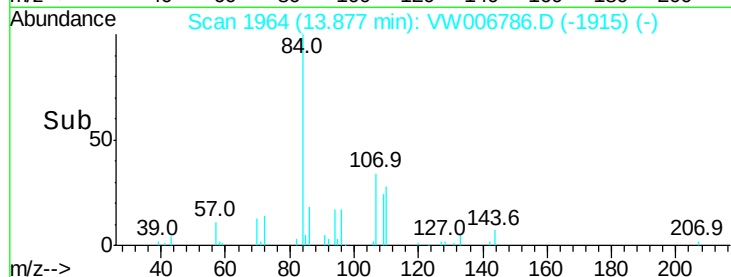
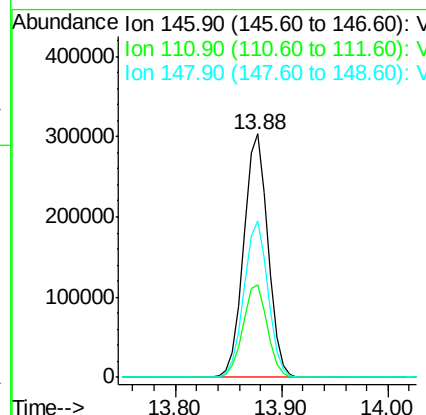
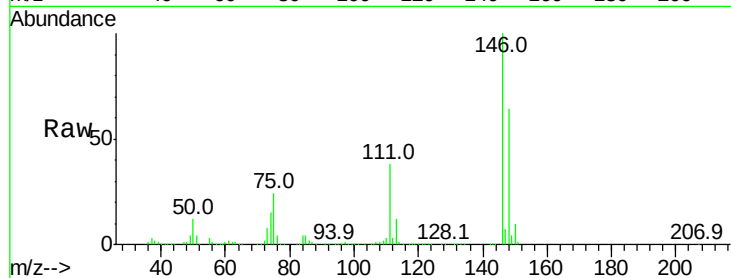




#91  
 1,2-Dichlorobenzene  
 Concen: 69.334 ug/l  
 RT: 13.88 min Scan# 1964  
 Delta R.T. 0.00 min  
 Lab File: VW006786.D  
 Acq: 09 Nov 2018 13:58

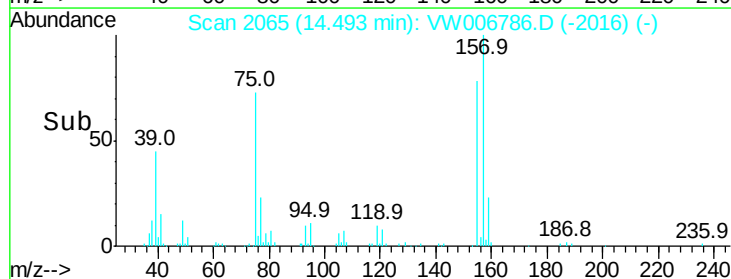
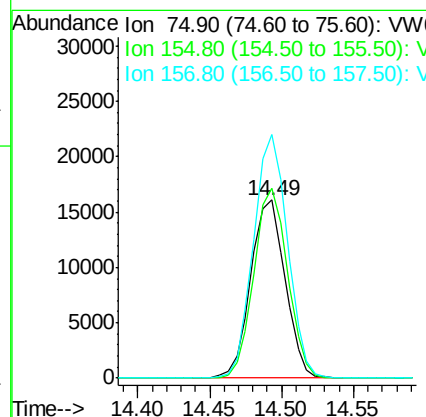
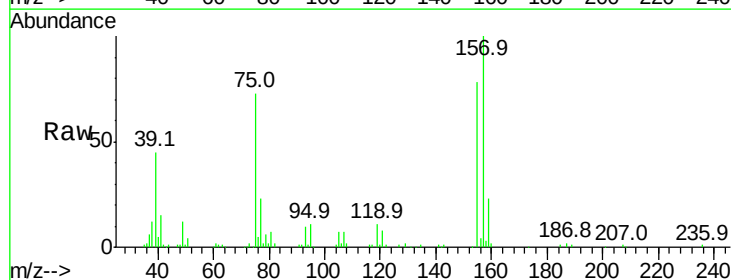
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC075

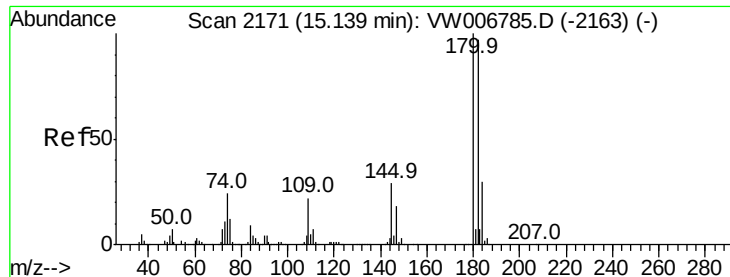
Tgt Ion:146 Resp: 485664  
 Ion Ratio Lower Upper  
 146 100  
 111 38.3 19.1 57.3  
 148 64.0 32.0 96.2



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 67.801 ug/l  
 RT: 14.49 min Scan# 2065  
 Delta R.T. 0.00 min  
 Lab File: VW006786.D  
 Acq: 09 Nov 2018 13:58

Tgt Ion: 75 Resp: 26537  
 Ion Ratio Lower Upper  
 75 100  
 155 104.3 51.0 153.1  
 157 135.1 65.5 196.5

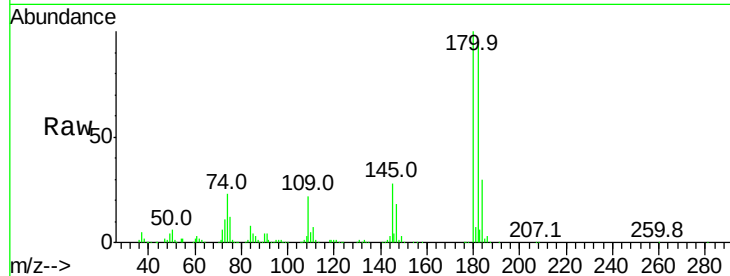




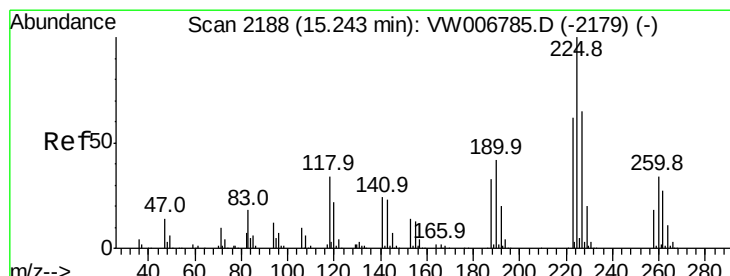
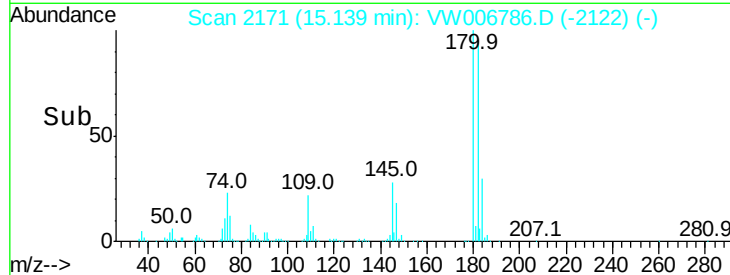
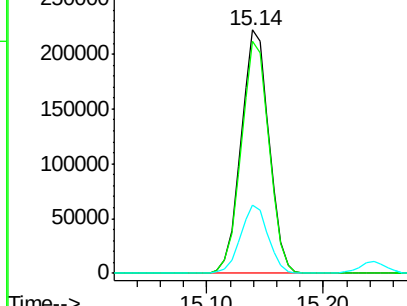
#93  
 1,2,4-Trichlorobenzene  
 Concen: 71.226 ug/l  
 RT: 15.14 min Scan# 2171  
 Delta R.T. 0.00 min  
 Lab File: VW006786.D  
 Acq: 09 Nov 2018 13:58

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC075

Tgt Ion:180 Resp: 370984  
 Ion Ratio Lower Upper  
 180 100  
 182 95.1 47.9 143.8  
 145 27.8 14.1 42.3

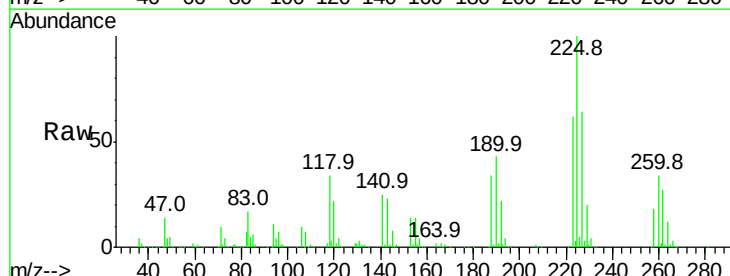


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

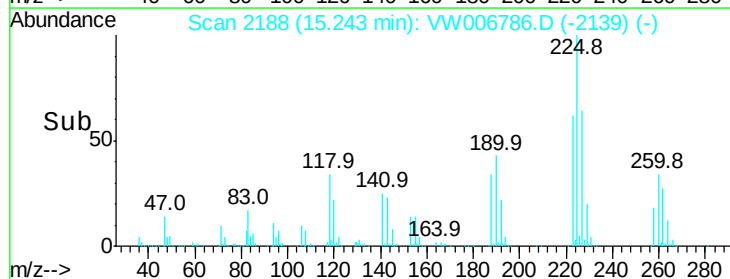
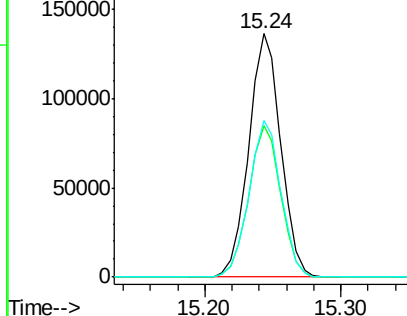


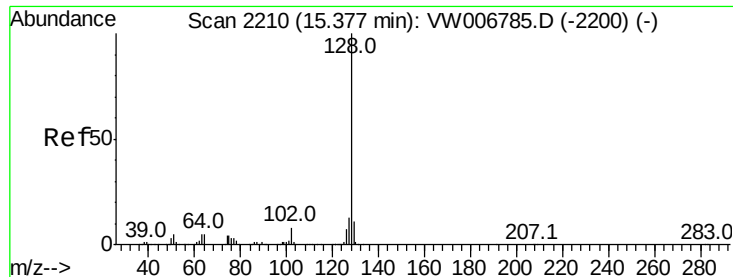
#94  
 Hexachlorobutadiene  
 Concen: 69.327 ug/l  
 RT: 15.24 min Scan# 2188  
 Delta R.T. 0.00 min  
 Lab File: VW006786.D  
 Acq: 09 Nov 2018 13:58

Tgt Ion:225 Resp: 225052  
 Ion Ratio Lower Upper  
 225 100  
 223 62.2 30.9 92.5  
 227 63.6 31.9 95.7



Abundance Ion 224.70 (224.40 to 225.40): V  
 Ion 222.70 (222.40 to 223.40): V  
 Ion 226.70 (226.40 to 227.40): V

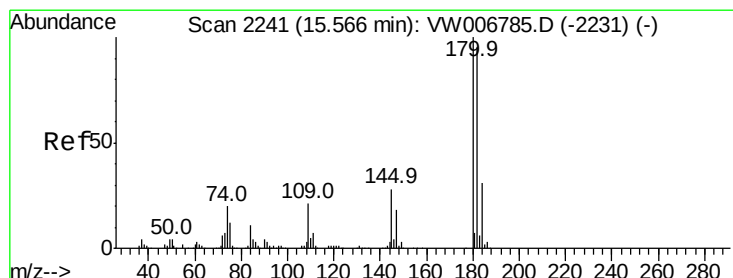
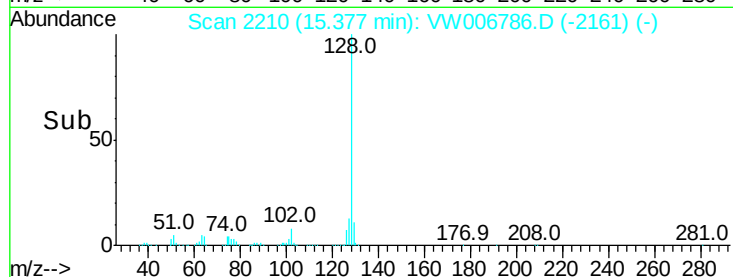
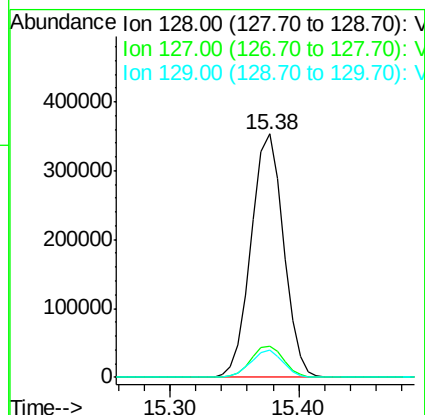
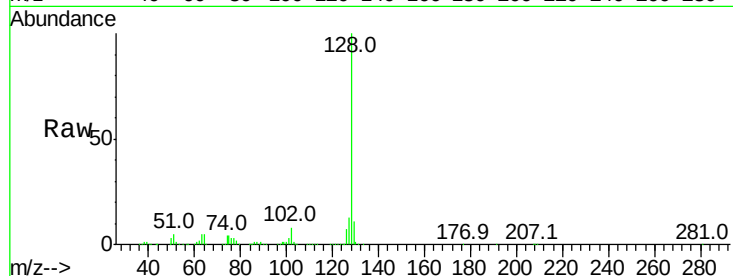




#95  
Naphthalene  
Concen: 73.490 ug/l  
RT: 15.38 min Scan# 2210  
Delta R.T. 0.00 min  
Lab File: VW006786.D  
Acq: 09 Nov 2018 13:58

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC075

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.0  | 10.6  | 15.8  |
| 129     | 11.0  | 8.8   | 13.2  |



#96  
1,2,3-Trichlorobenzene  
Concen: 69.814 ug/l  
RT: 15.57 min Scan# 2241  
Delta R.T. 0.00 min  
Lab File: VW006786.D  
Acq: 09 Nov 2018 13:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.3  | 47.8  | 143.4 |
| 145     | 29.9  | 14.5  | 43.6  |

