

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051619\  
 Data File : VW010409.D  
 Acq On : 16 May 2019 18:43  
 Operator : SY/VA  
 Sample : VSTDIC005  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

Quant Time: May 17 09:01:31 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W051619S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 17 08:39:36 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 1083722  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 1821422  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 1643146  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 798807   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 48599    | 4.20 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =    | 8.40%  |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 51600    | 4.80 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =    | 9.60%  |          |
| 50) Toluene-d8              | 10.32 | 98   | 184378   | 4.27 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =    | 8.54%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 79012    | 5.09 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =    | 10.18% |          |

| Target Compounds              | R.T. | QIon | Response | Conc   | Units  | Qvalue |
|-------------------------------|------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.01 | 85   | 45517m   | 5.391  | ug/l   |        |
| 3) Chloromethane              | 2.21 | 50   | 54583    | 5.084  | ug/l   | 96     |
| 4) Vinyl Chloride             | 2.37 | 62   | 68857    | 5.114  | ug/l   | 96     |
| 5) Bromomethane               | 2.77 | 94   | 41374    | 5.216  | ug/l   | 88     |
| 6) Chloroethane               | 2.92 | 64   | 35933    | 4.609  | ug/l   | 96     |
| 7) Trichlorofluoromethane     | 3.25 | 101  | 31241    | 4.555  | ug/l   | 87     |
| 8) Diethyl Ether              | 3.67 | 74   | 30855    | 5.128  | ug/l   | 75     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101  | 53974    | 4.848  | ug/l   | 99     |
| 10) Methyl Iodide             | 4.26 | 142  | 85668    | 5.324  | ug/l   | 97     |
| 11) Tert butyl alcohol        | 5.18 | 59   | 23178    | 27.609 | ug/l   | 97     |
| 12) 1,1-Dichloroethene        | 4.04 | 96   | 60133    | 5.168  | ug/l   | 96     |
| 13) Acrolein                  | 3.88 | 56   | 12255    | 12.586 | ug/l # | 62     |
| 14) Allyl chloride            | 4.65 | 41   | 70258    | 4.151  | ug/l   | 96     |
| 15) Acrylonitrile             | 5.37 | 53   | 63053    | 19.447 | ug/l   | 99     |
| 16) Acetone                   | 4.12 | 43   | 53300    | 18.822 | ug/l   | 97     |
| 17) Carbon Disulfide          | 4.38 | 76   | 162554   | 4.701  | ug/l   | 100    |
| 18) Methyl Acetate            | 4.67 | 43   | 36320    | 5.000  | ug/l   | 100    |
| 19) Methyl tert-butyl Ether   | 5.43 | 73   | 76084    | 5.357  | ug/l   | 97     |
| 20) Methylene Chloride        | 4.91 | 84   | 70747    | 5.691  | ug/l   | 98     |
| 21) trans-1,2-Dichloroethene  | 5.41 | 96   | 63047    | 5.009  | ug/l   | 91     |
| 22) Diisopropyl ether         | 6.31 | 45   | 161237   | 4.761  | ug/l   | 95     |
| 23) Vinyl Acetate             | 6.25 | 43   | 554935   | 23.844 | ug/l   | 98     |
| 24) 1,1-Dichloroethane        | 6.21 | 63   | 103825   | 4.585  | ug/l   | 97     |
| 25) 2-Butanone                | 7.17 | 43   | 94748    | 21.144 | ug/l   | 98     |
| 26) 2,2-Dichloropropane       | 7.16 | 77   | 55042    | 4.888  | ug/l   | 100    |
| 27) cis-1,2-Dichloroethene    | 7.16 | 96   | 71952    | 5.460  | ug/l   | 98     |
| 28) Bromochloromethane        | 7.51 | 49   | 31775    | 3.672  | ug/l   | 99     |
| 29) Tetrahydrofuran           | 7.53 | 42   | 63556    | 21.823 | ug/l   | 98     |
| 30) Chloroform                | 7.67 | 83   | 108822   | 5.050  | ug/l   | 96     |
| 31) Cyclohexane               | 7.95 | 56   | 121097   | 5.297  | ug/l # | 83     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97   | 87708    | 5.255  | ug/l   | 98     |
| 36) 1,1-Dichloropropene       | 8.08 | 75   | 86198    | 4.515  | ug/l   | 98     |
| 37) Ethyl Acetate             | 7.26 | 43   | 37882    | 3.724  | ug/l # | 90     |
| 38) Carbon Tetrachloride      | 8.06 | 117  | 87201    | 5.179  | ug/l   | 92     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051619\  
 Data File : VW010409.D  
 Acq On : 16 May 2019 18:43  
 Operator : SY/VA  
 Sample : VSTDIC005  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

Quant Time: May 17 09:01:31 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W051619S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 17 08:39:36 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 114373   | 4.873   | ug/l   | 95       |
| 40) Benzene                    | 8.32  | 78   | 248076   | 4.694   | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.49  | 41   | 23108    | 4.042   | ug/l # | 90       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 69995    | 4.598   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.43  | 43   | 84461    | 4.861   | ug/l   | 99       |
| 44) Trichloroethene            | 9.09  | 130  | 72327    | 5.357   | ug/l   | 88       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 60478    | 4.595   | ug/l   | 95       |
| 46) Dibromomethane             | 9.46  | 93   | 34926    | 5.037   | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.64  | 83   | 81551    | 4.881   | ug/l   | 96       |
| 48) Methyl methacrylate        | 9.44  | 41   | 40799    | 5.041   | ug/l   | 92       |
| 49) 1,4-Dioxane                | 9.45  | 88   | 12631    | 105.021 | ug/l # | 91       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 217220   | 22.298  | ug/l   | 100      |
| 52) Toluene                    | 10.39 | 92   | 163092   | 4.992   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.60 | 75   | 89203    | 5.270   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 101666   | 5.107   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 49702    | 5.021   | ug/l   | 93       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 70573    | 5.380   | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 83600    | 4.793   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 9.93  | 63   | 125672   | 19.983  | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.97 | 43   | 150410   | 21.868  | ug/l   | 100      |
| 60) Dibromochloromethane       | 11.13 | 129  | 59493    | 5.457   | ug/l   | 95       |
| 61) 1,2-Dibromoethane          | 11.23 | 107  | 49592    | 5.190   | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.86 | 164  | 59187    | 5.193   | ug/l   | 97       |
| 65) Chlorobenzene              | 11.66 | 112  | 173133   | 5.099   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 66164    | 5.693   | ug/l   | 97       |
| 67) Ethyl Benzene              | 11.73 | 91   | 316802   | 5.146   | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.84 | 106  | 246752   | 10.692  | ug/l   | 97       |
| 69) o-Xylene                   | 12.16 | 106  | 116222   | 5.514   | ug/l   | 97       |
| 70) Styrene                    | 12.18 | 104  | 202141   | 5.512   | ug/l   | 100      |
| 71) Bromoform                  | 12.35 | 173  | 35377    | 5.261   | ug/l # | 97       |
| 73) Isopropylbenzene           | 12.46 | 105  | 315630   | 5.451   | ug/l   | 99       |
| 74) N-amyl acetate             | 12.27 | 43   | 79495    | 5.198   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 59715    | 4.698   | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 40482m   | 4.429   | ug/l   |          |
| 77) Bromobenzene               | 12.75 | 156  | 71747    | 5.406   | ug/l   | 99       |
| 78) n-propylbenzene            | 12.80 | 91   | 368592   | 5.203   | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.90 | 91   | 210455   | 5.161   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 274223   | 5.601   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.51 | 75   | 21994    | 5.316   | ug/l   | 93       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 216970   | 5.084   | ug/l   | 98       |
| 83) tert-Butylbenzene          | 13.21 | 119  | 229740   | 5.605   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 13.26 | 105  | 274228   | 5.625   | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.38 | 105  | 326861   | 5.451   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.50 | 119  | 296982   | 5.566   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.50 | 146  | 142076   | 5.410   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 139934   | 5.344   | ug/l   | 92       |
| 89) n-Butylbenzene             | 13.83 | 91   | 284309   | 5.353   | ug/l   | 98       |
| 90) Hexachloroethane           | 14.10 | 117  | 57584    | 5.688   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 127635   | 5.447   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 11572    | 5.002   | ug/l   | 98       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051619\  
Data File : VW010409.D  
Acq On : 16 May 2019 18:43  
Operator : SY/VA  
Sample : VSTDICC005  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 3 Sample Multiplier: 1

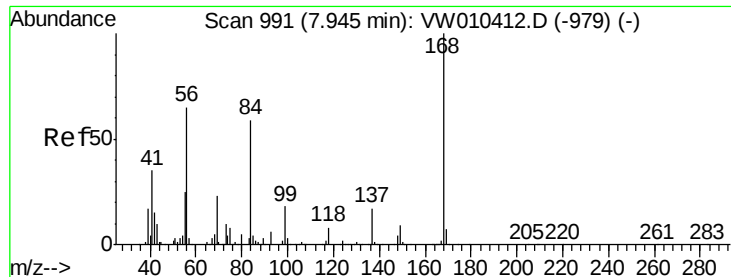
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICC005

Quant Time: May 17 09:01:31 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W051619S.M  
Quant Title : SW846 8260  
QLast Update : Fri May 17 08:39:36 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.14 | 180  | 86639    | 5.441 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 46400    | 4.694 | ug/l  | 99       |
| 95) Naphthalene            | 15.37 | 128  | 188386   | 5.683 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.56 | 180  | 77153    | 5.348 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA\_W

ClientSampleId :

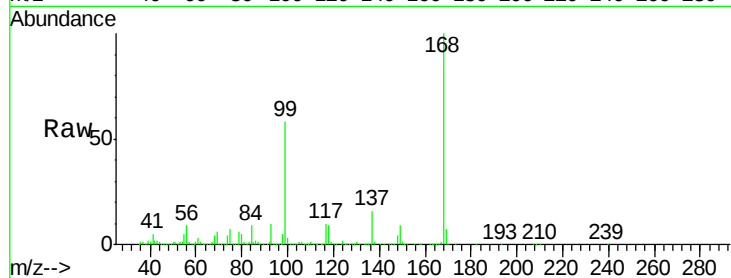
VSTDIC005

Tot Ion:168 Resp: 1083722

Ion Ratio Lower Upper

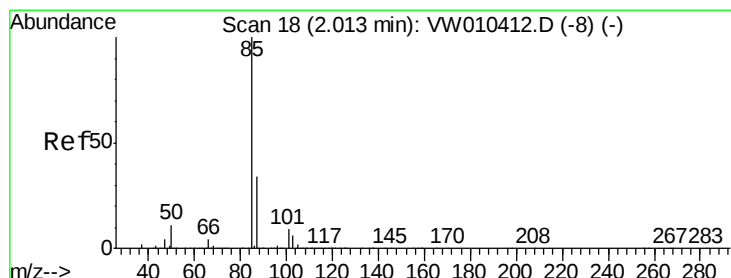
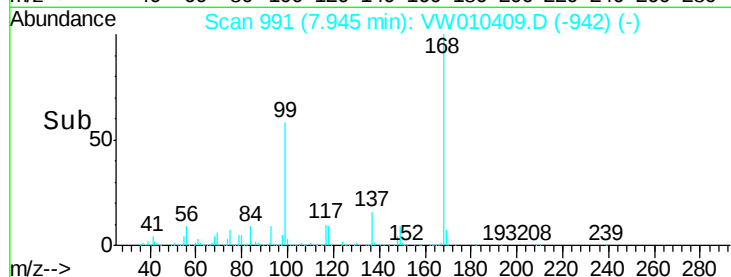
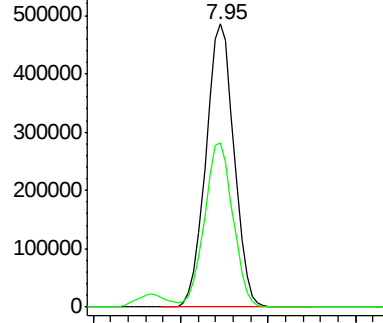
168 100

99 58.1 45.6 68.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 5.391 ug/l m

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010409.D

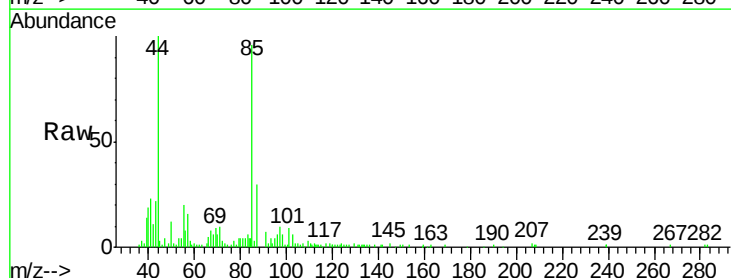
Acq: 16 May 2019 18:43

Tgt Ion: 85 Resp: 45517

Ion Ratio Lower Upper

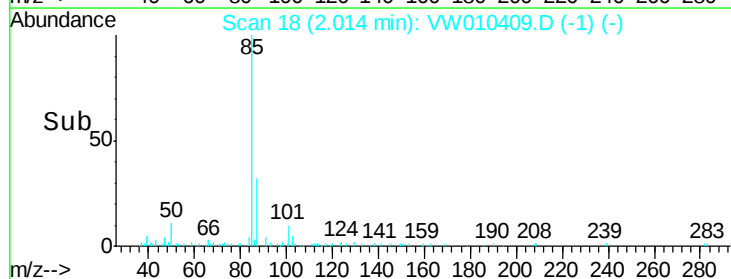
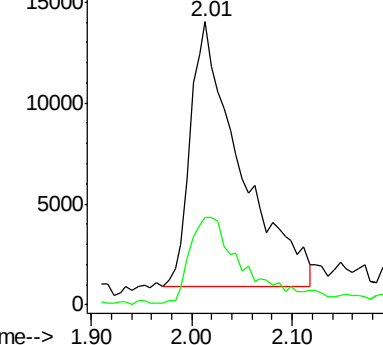
85 100

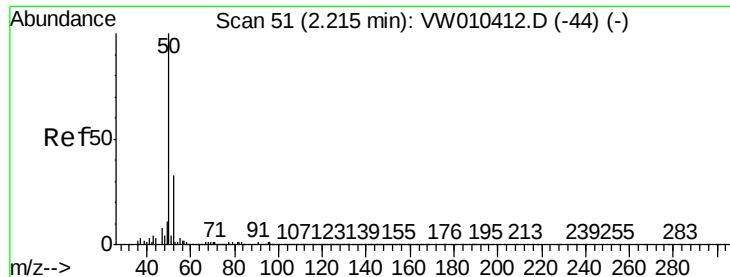
87 30.8 16.9 50.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 5.084 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA\_W

ClientSampleId :

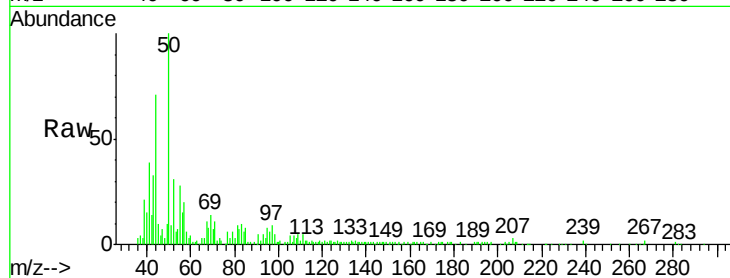
VSTDIC005

Tot Ion: 50 Resp: 54583

Ion Ratio Lower Upper

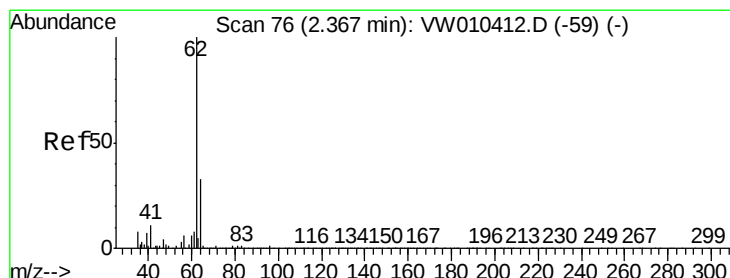
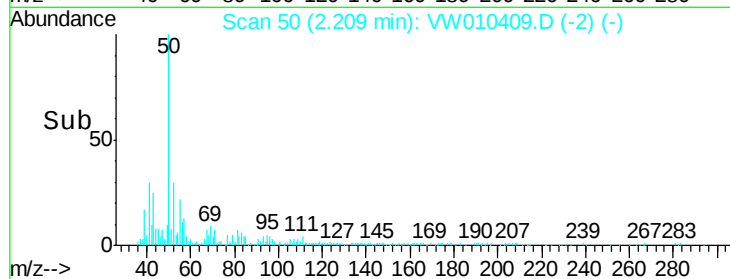
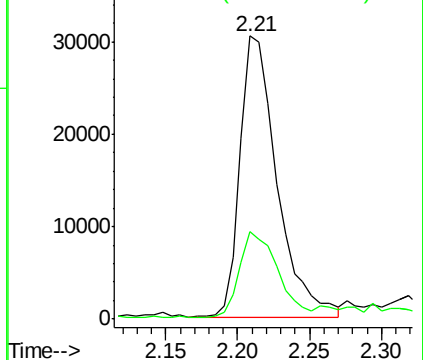
50 100

52 30.4 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 5.114 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW010409.D

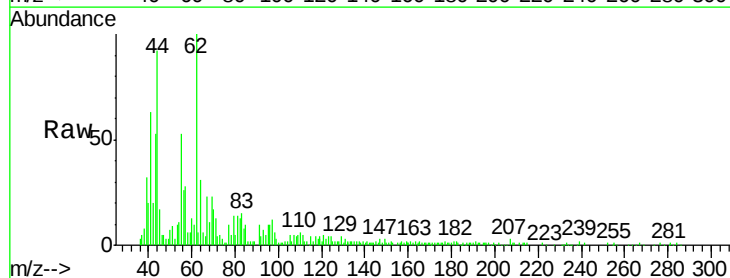
Acq: 16 May 2019 18:43

Tgt Ion: 62 Resp: 68857

Ion Ratio Lower Upper

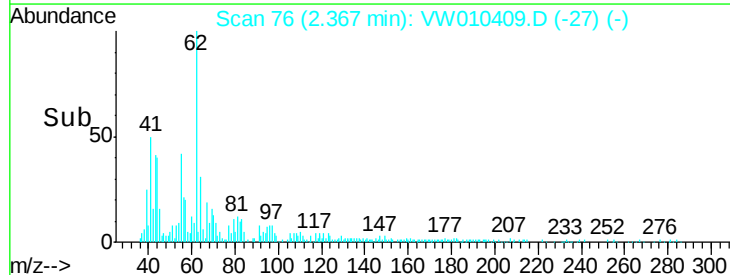
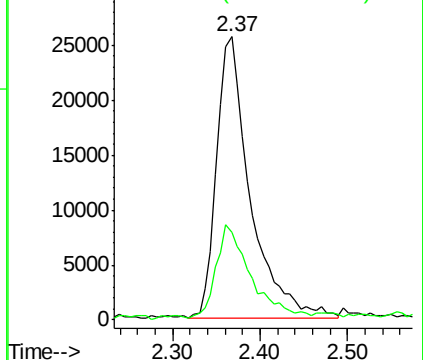
62 100

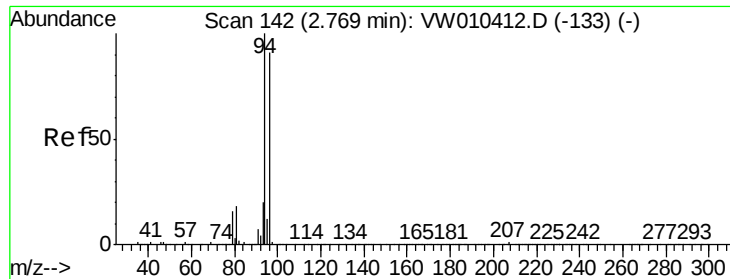
64 30.4 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 5.216 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA\_W

ClientSampleId :

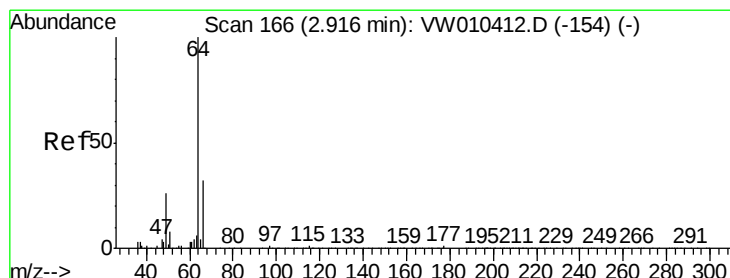
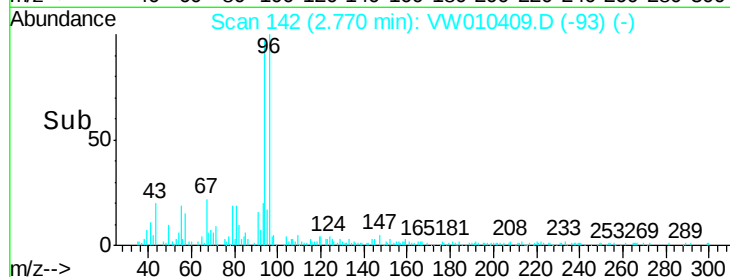
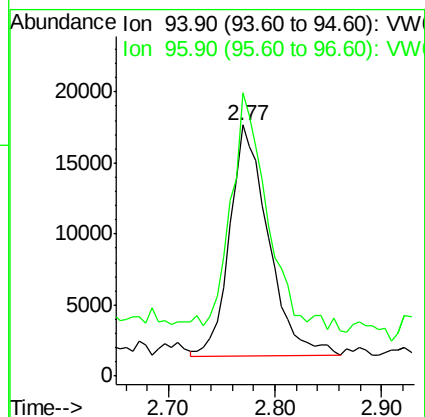
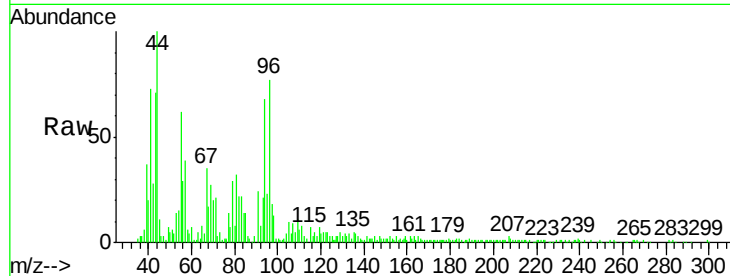
VSTDIC005

Tot Ion: 94 Resp: 41374

Ion Ratio Lower Upper

94 100

96 103.7 73.4 110.2



#6

Chloroethane

Concen: 4.609 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW010409.D

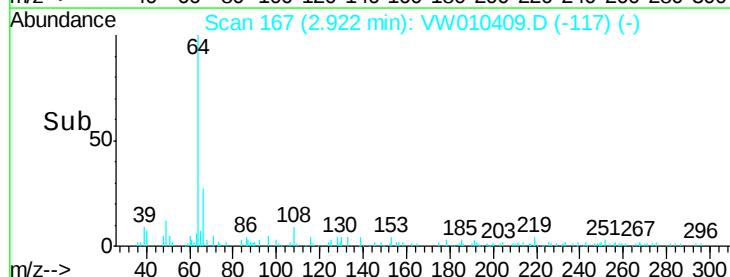
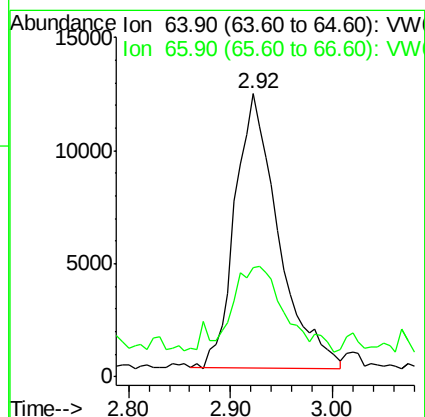
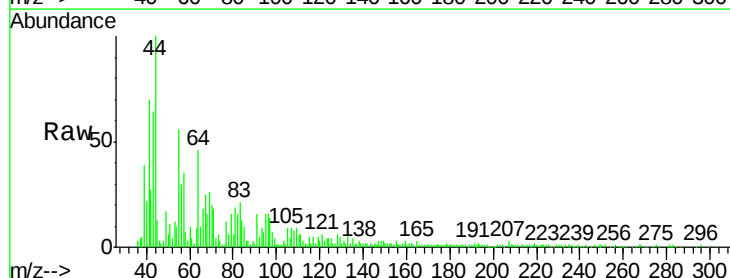
Acq: 16 May 2019 18:43

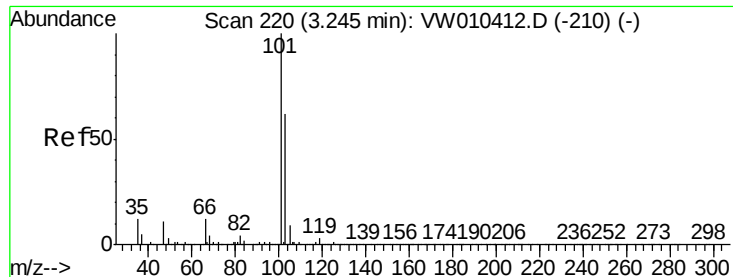
Tgt Ion: 64 Resp: 35933

Ion Ratio Lower Upper

64 100

66 29.6 25.4 38.0





#7

Trichlorofluoromethane

Concen: 4.555 ug/l

RT: 3.25 min Scan# 220

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA\_W

ClientSampleId :

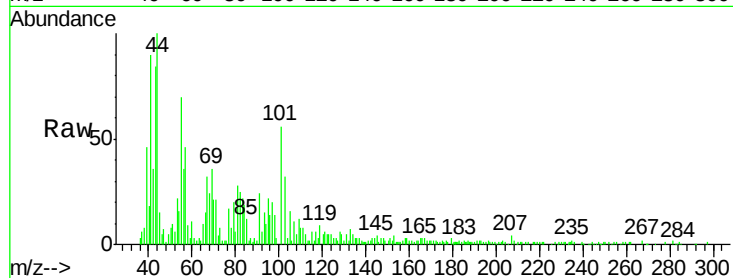
VSTDIC005

Tot Ion:101 Resp: 31241

Ion Ratio Lower Upper

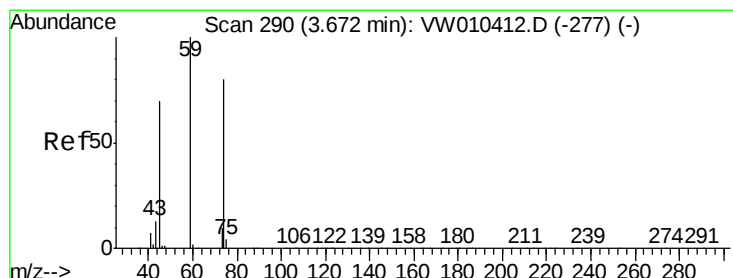
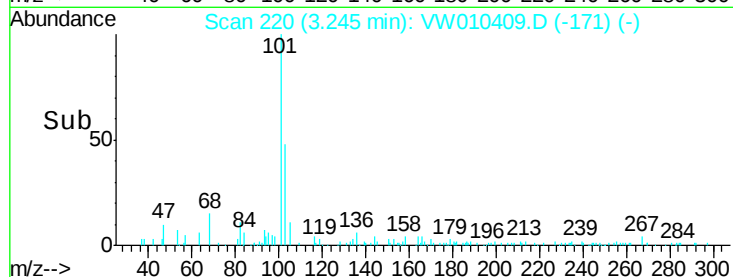
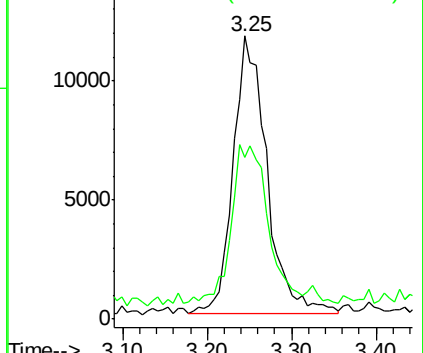
101 100

103 52.4 49.9 74.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 5.128 ug/l

RT: 3.67 min Scan# 289

Delta R.T. -0.01 min

Lab File: VW010409.D

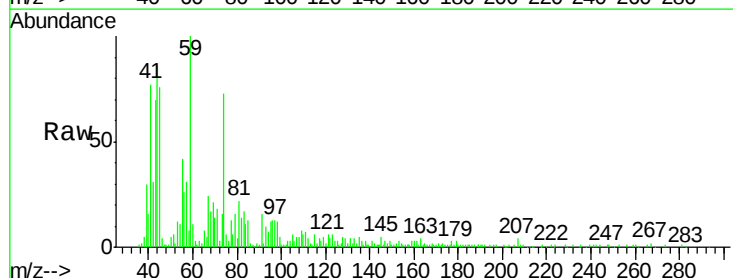
Acq: 16 May 2019 18:43

Tgt Ion: 74 Resp: 30855

Ion Ratio Lower Upper

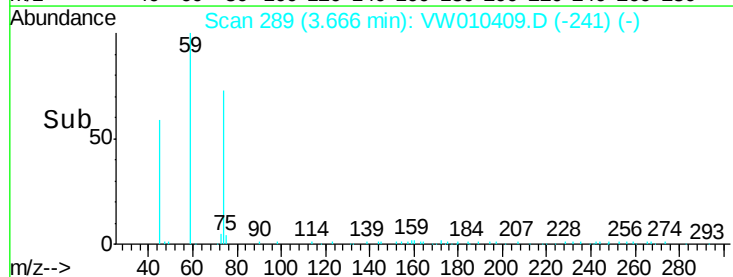
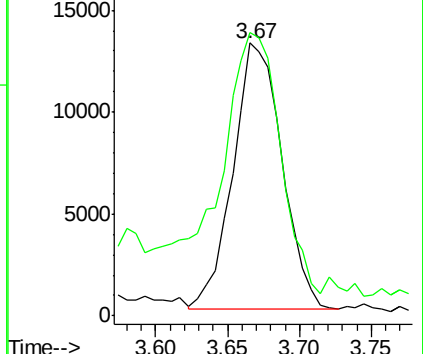
74 100

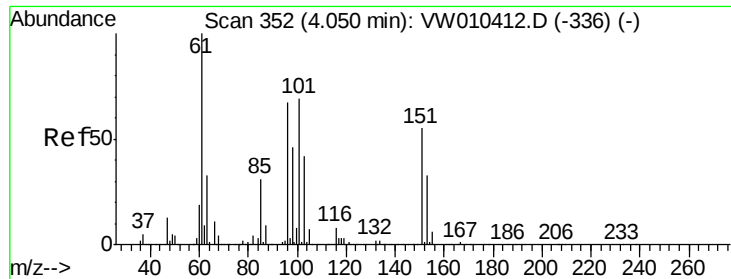
45 115.5 46.0 138.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.848 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

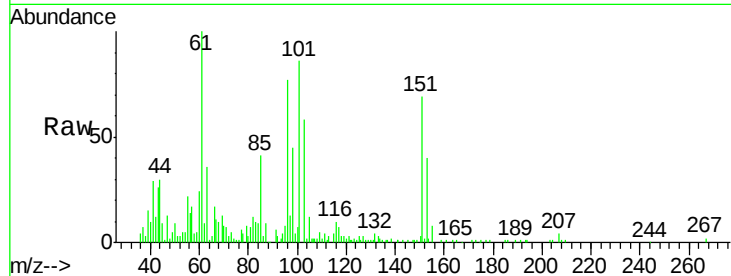
Tot Ion:101 Resp: 53974

Ion Ratio Lower Upper

101 100

85 42.4 35.0 52.4

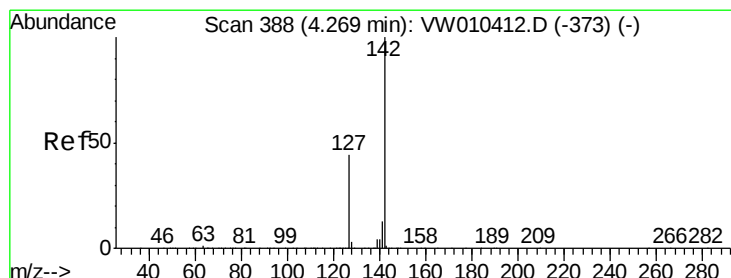
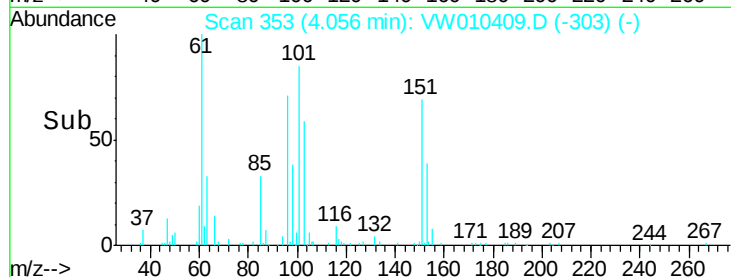
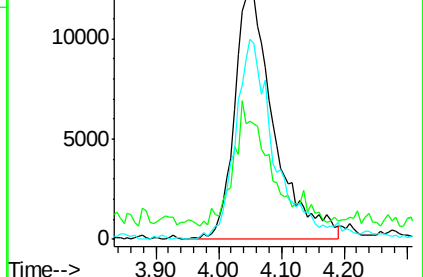
151 77.6 61.8 92.6



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: 5.324 ug/l

RT: 4.26 min Scan# 386

Delta R.T. -0.01 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

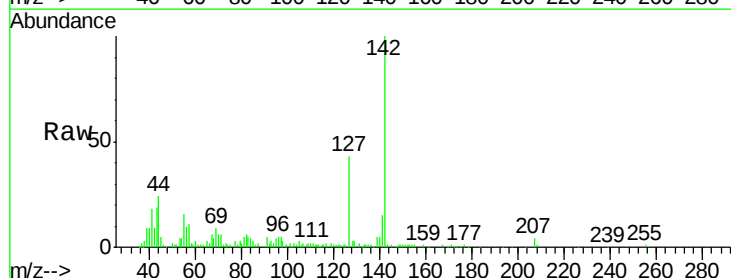
Tgt Ion:142 Resp: 85668

Ion Ratio Lower Upper

142 100

127 45.1 34.5 51.7

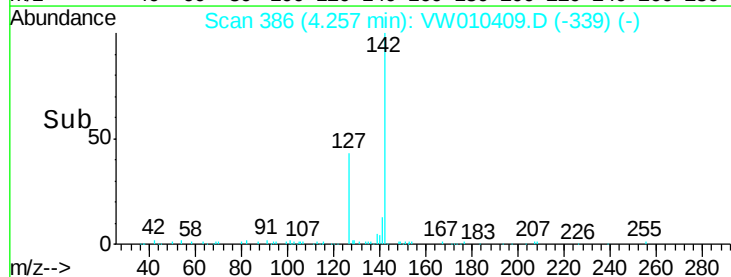
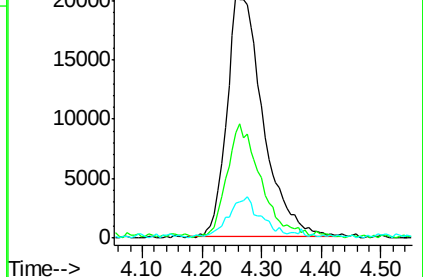
141 15.8 11.4 17.0

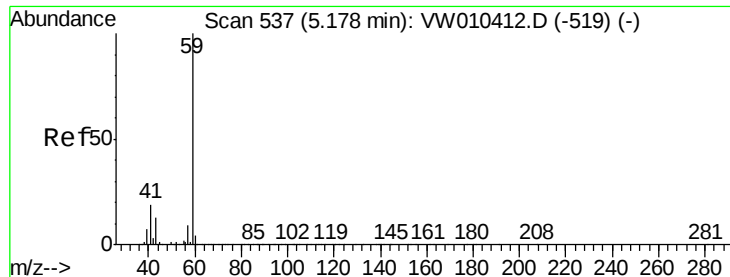


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

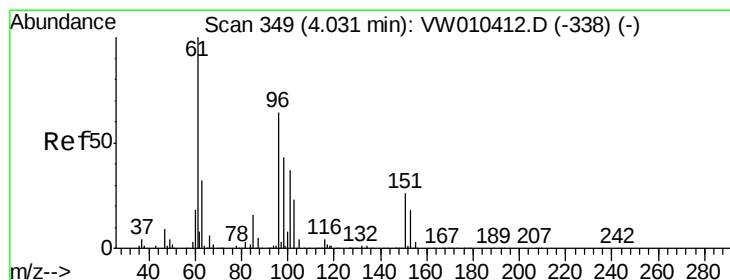
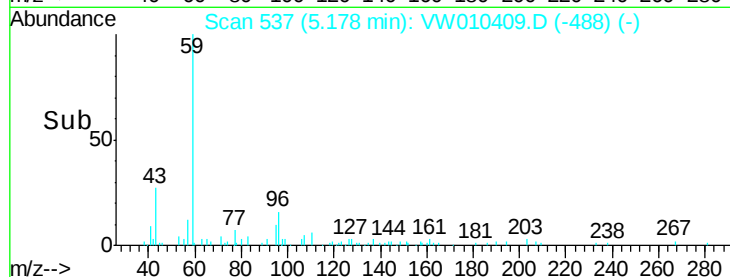
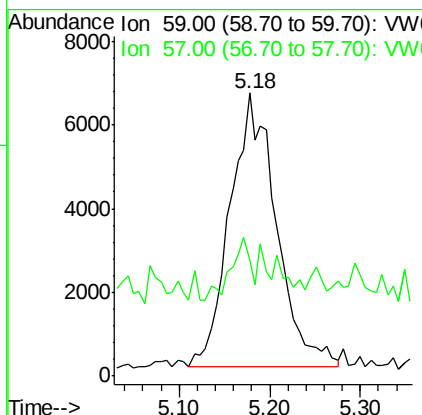
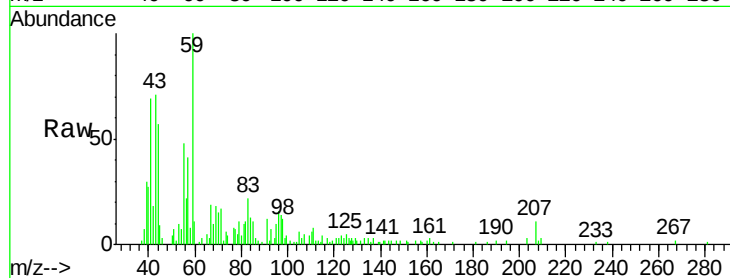




#11  
Tert butyl alcohol  
Concen: 27.609 ug/l  
RT: 5.18 min Scan# 537  
Delta R.T. 0.00 min  
Lab File: VW010409.D  
Acq: 16 May 2019 18:43

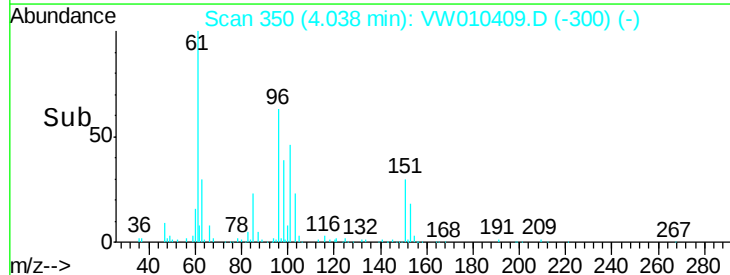
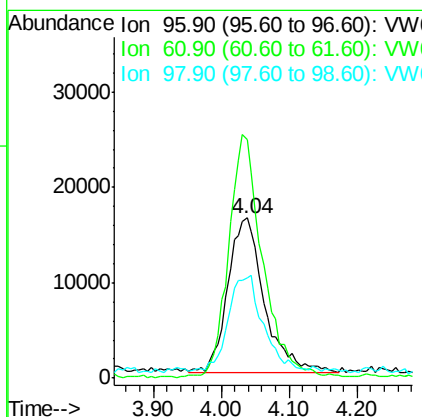
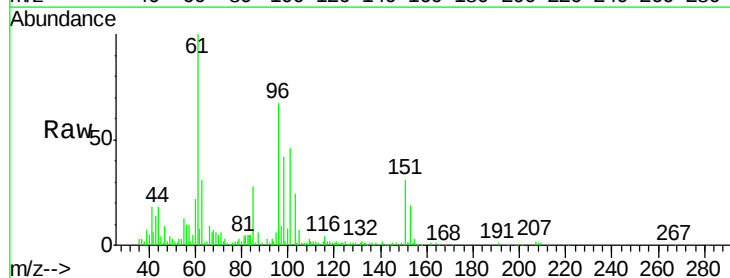
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

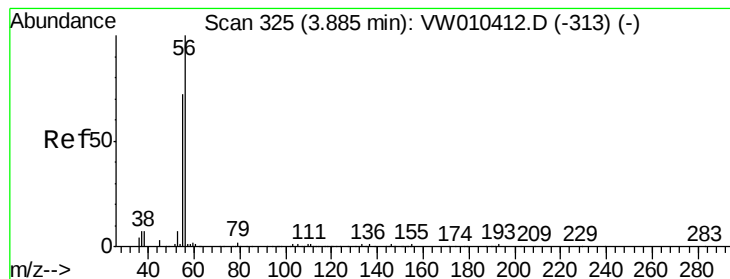
Tot Ion: 59 Resp: 23178  
Ion Ratio Lower Upper  
59 100  
57 9.8 8.7 13.1



#12  
1,1-Dichloroethene  
Concen: 5.168 ug/l  
RT: 4.04 min Scan# 350  
Delta R.T. 0.01 min  
Lab File: VW010409.D  
Acq: 16 May 2019 18:43

Tgt Ion: 96 Resp: 60133  
Ion Ratio Lower Upper  
96 100  
61 152.6 124.1 186.1  
98 60.5 53.4 80.0





#13

Acrolein

Concen: 12.586 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA\_W

ClientSampleId :

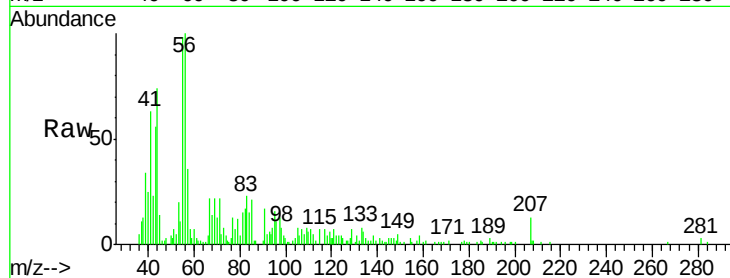
VSTDIC005

Tot Ion: 56 Resp: 12255

Ion Ratio Lower Upper

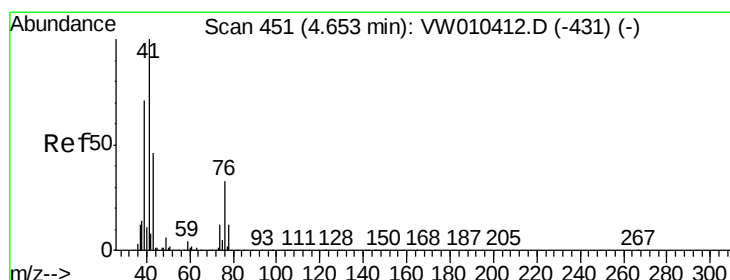
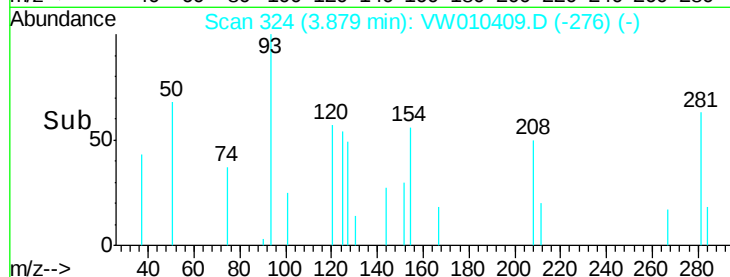
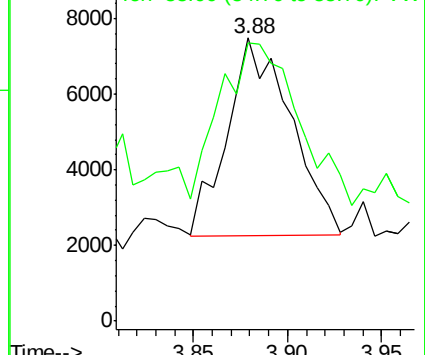
56 100

55 101.2 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 4.151 ug/l

RT: 4.65 min Scan# 451

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

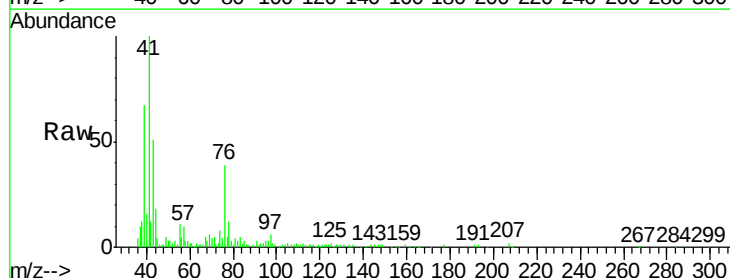
Tgt Ion: 41 Resp: 70258

Ion Ratio Lower Upper

41 100

39 72.6 54.3 81.5

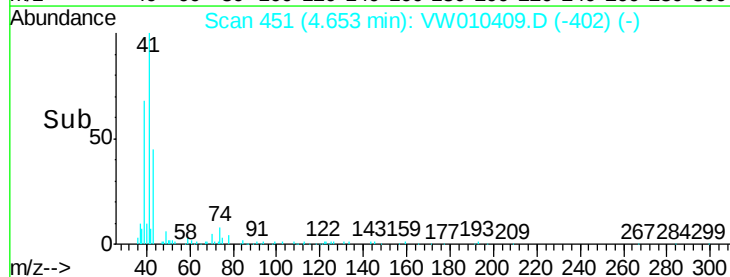
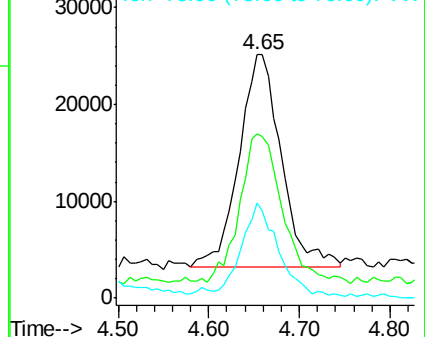
76 38.4 30.7 46.1

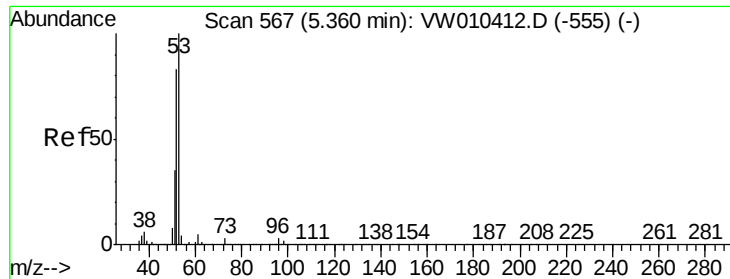


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 19.447 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

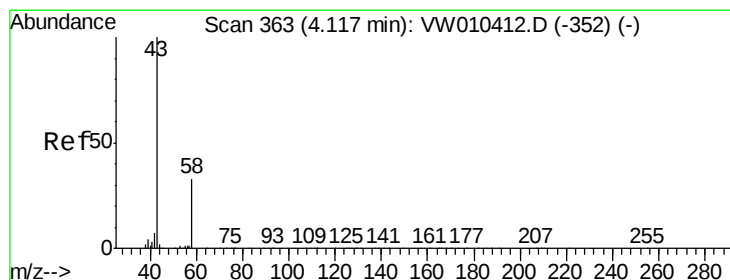
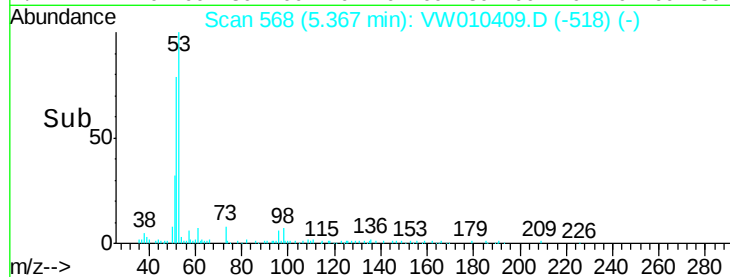
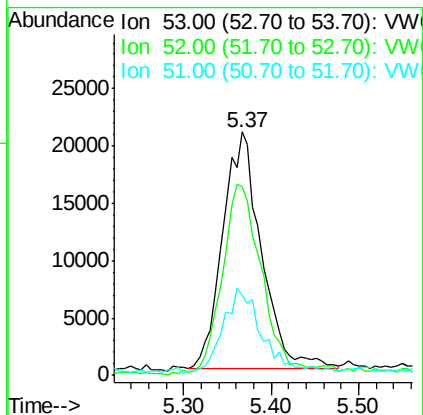
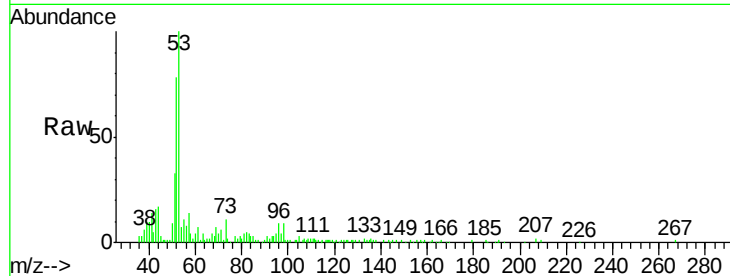
Tot Ion: 53 Resp: 63053

Ion Ratio Lower Upper

53 100

52 83.9 66.2 99.2

51 37.0 28.9 43.3



#16

Acetone

Concen: 18.822 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW010409.D

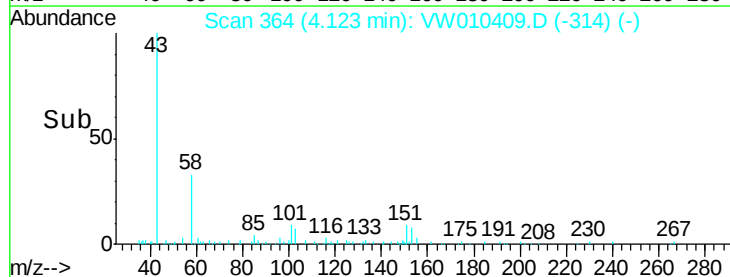
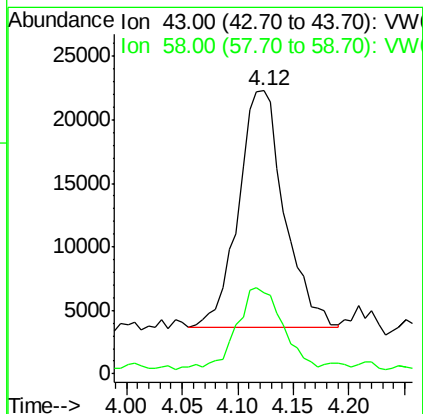
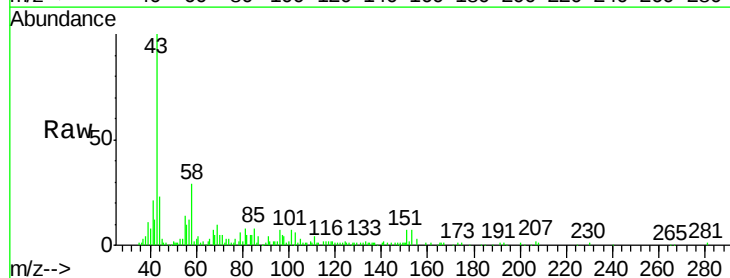
Acq: 16 May 2019 18:43

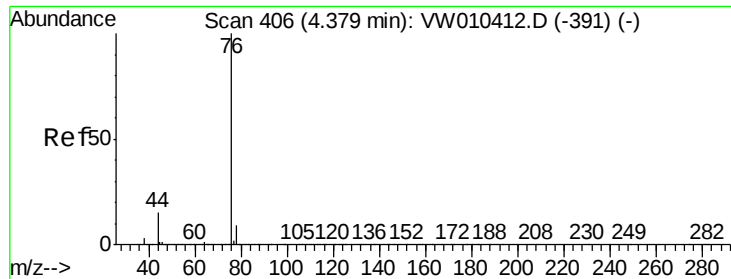
Tgt Ion: 43 Resp: 53300

Ion Ratio Lower Upper

43 100

58 31.3 26.5 39.7

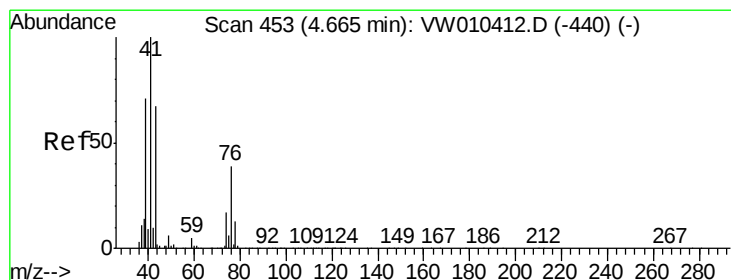
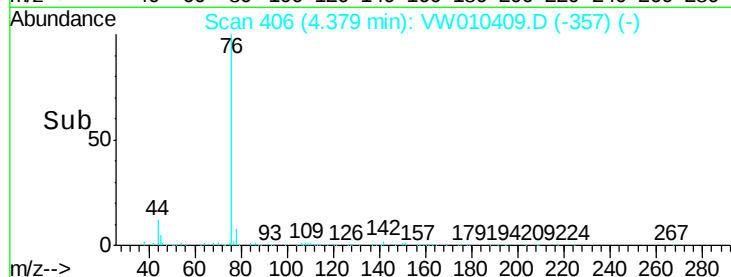
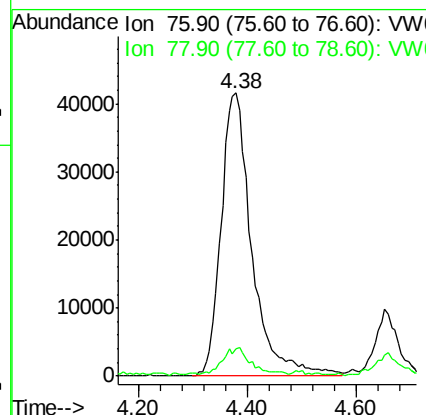
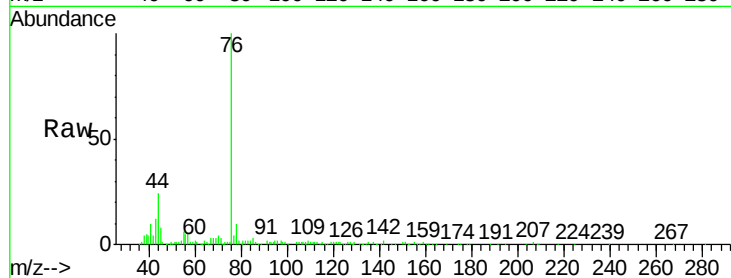




#17  
Carbon Disulfide  
Concen: 4.701 ug/l  
RT: 4.38 min Scan# 406  
Delta R.T. 0.00 min  
Lab File: VW010409.D  
Acq: 16 May 2019 18:43

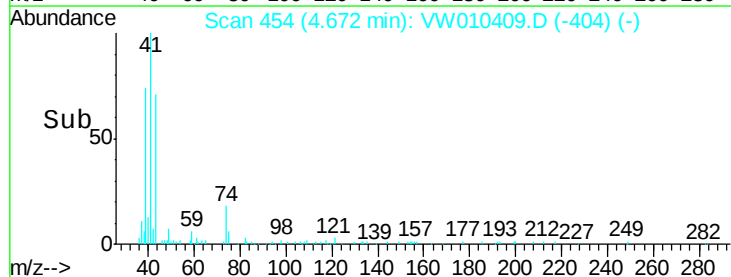
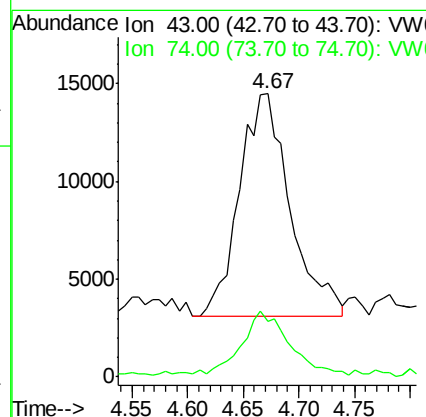
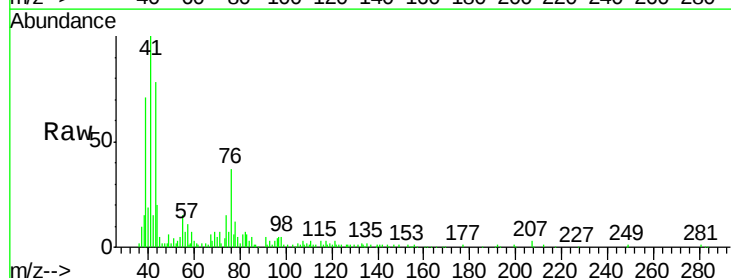
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

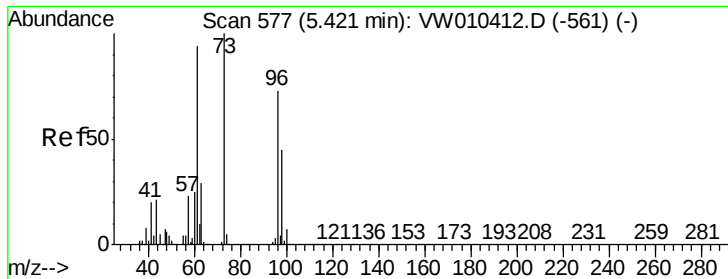
Tot Ion: 76 Resp: 162554  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.4 11.0



#18  
Methyl Acetate  
Concen: 5.000 ug/l  
RT: 4.67 min Scan# 454  
Delta R.T. 0.01 min  
Lab File: VW010409.D  
Acq: 16 May 2019 18:43

Tgt Ion: 43 Resp: 36320  
Ion Ratio Lower Upper  
43 100  
74 26.1 20.7 31.1

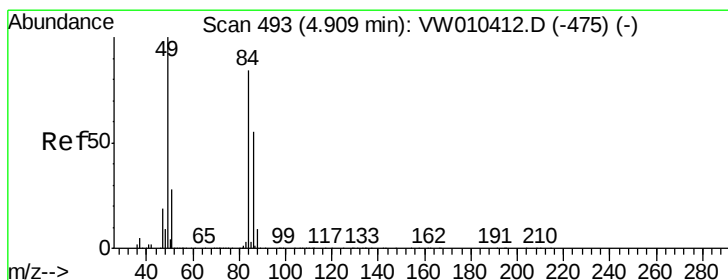
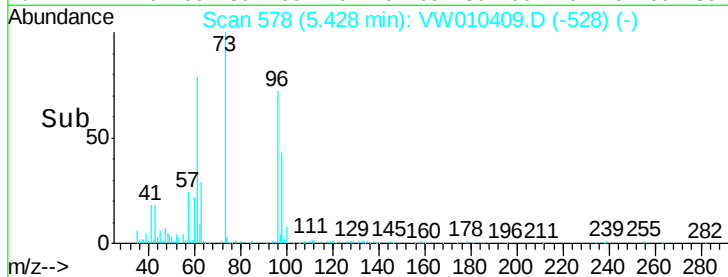
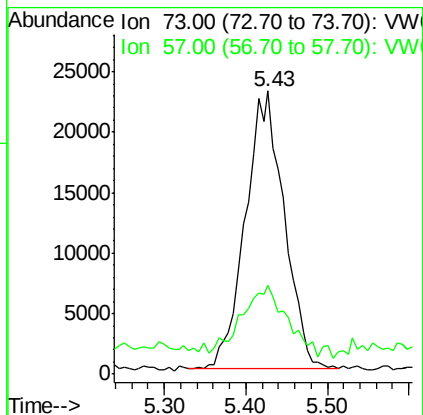
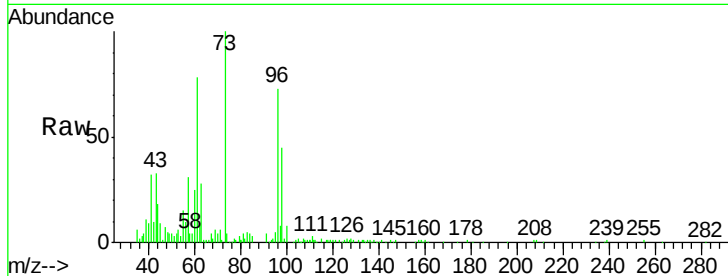




#19  
Methvl tert-butvl Ether  
Concen: 5.357 ug/l  
RT: 5.43 min Scan# 578  
Delta R.T. 0.01 min  
Lab File: VW010409.D  
Acq: 16 May 2019 18:43

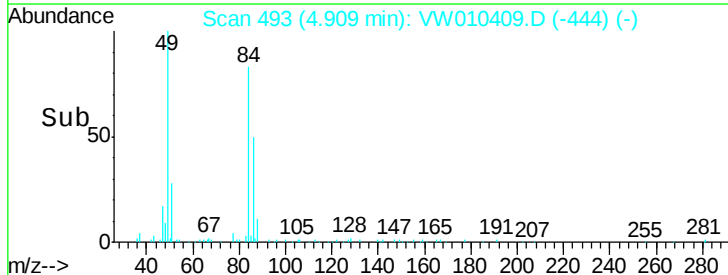
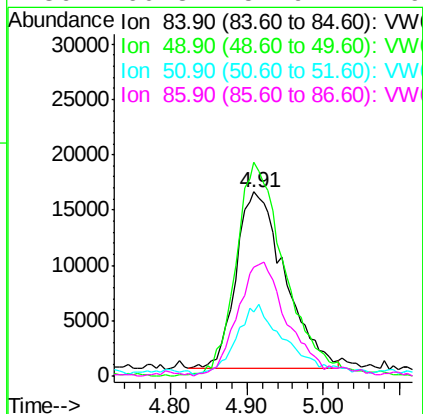
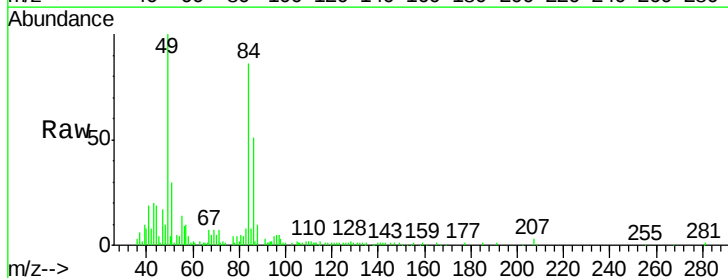
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

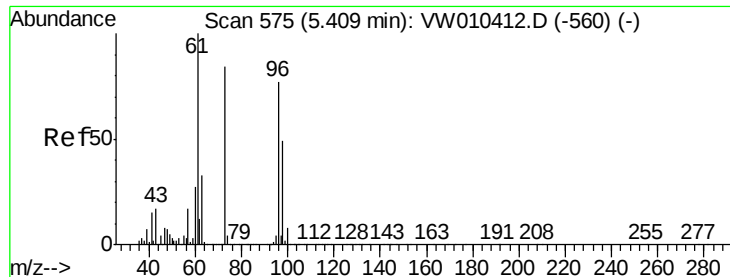
Tot Ion: 73 Resp: 76084  
Ion Ratio Lower Upper  
73 100  
57 24.2 18.2 27.4



#20  
Methylene Chloride  
Concen: 5.691 ug/l  
RT: 4.91 min Scan# 493  
Delta R.T. 0.00 min  
Lab File: VW010409.D  
Acq: 16 May 2019 18:43

Tgt Ion: 84 Resp: 70747  
Ion Ratio Lower Upper  
84 100  
49 120.4 95.0 142.4  
51 33.5 27.0 40.4  
86 60.8 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 5.009 ug/l

RT: 5.41 min Scan# 575

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

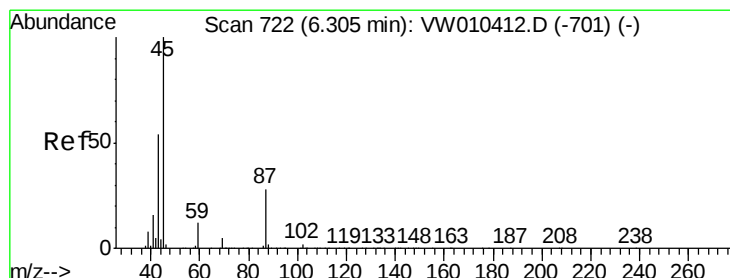
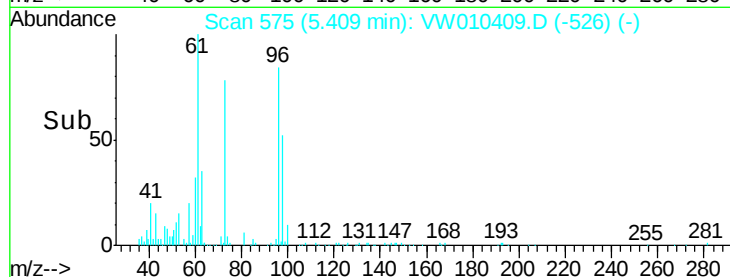
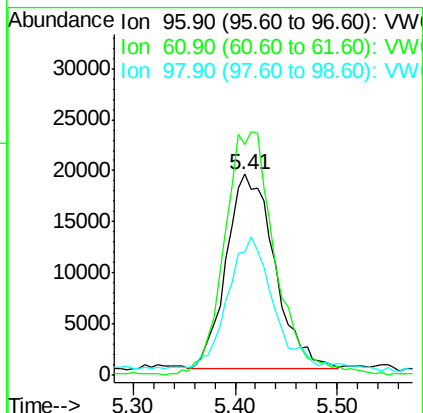
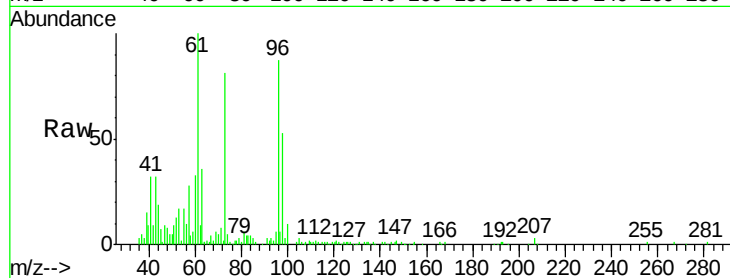
Tot Ion: 96 Resp: 63047

Ion Ratio Lower Upper

96 100

61 116.5 103.6 155.4

98 59.5 50.4 75.6



#22

Diisopropyl ether

Concen: 4.761 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Tgt Ion: 45 Resp: 161237

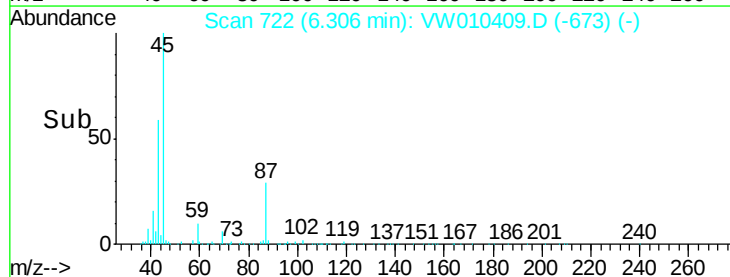
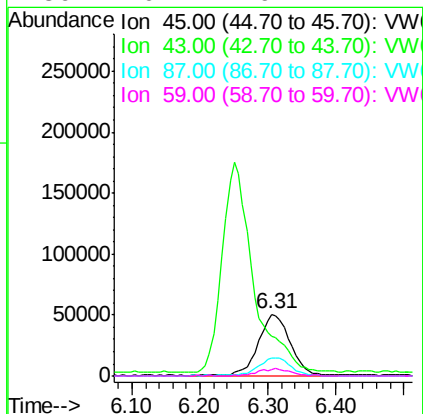
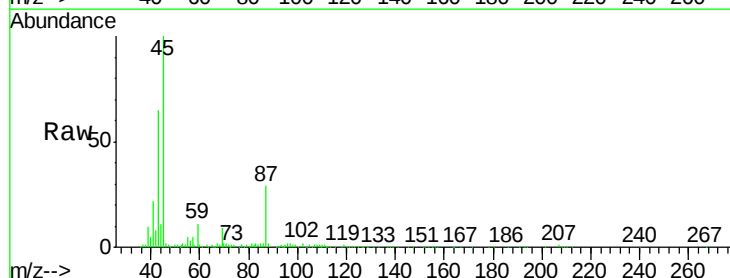
Ion Ratio Lower Upper

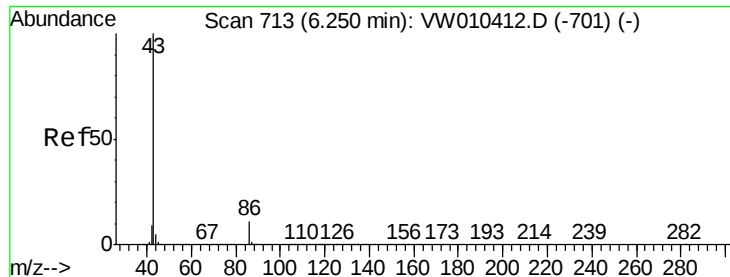
45 100

43 59.3 43.1 64.7

87 29.3 22.7 34.1

59 10.4 9.4 14.2





#23

Vinyl Acetate

Concen: 23.844 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA\_W

ClientSampleId :

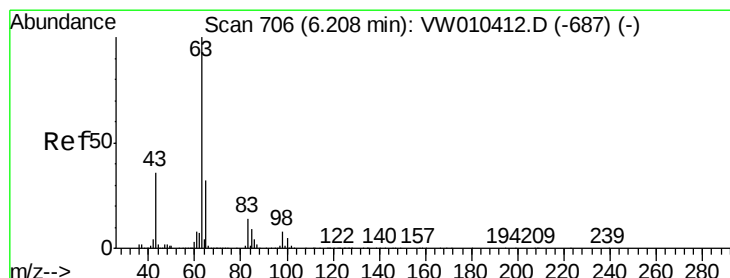
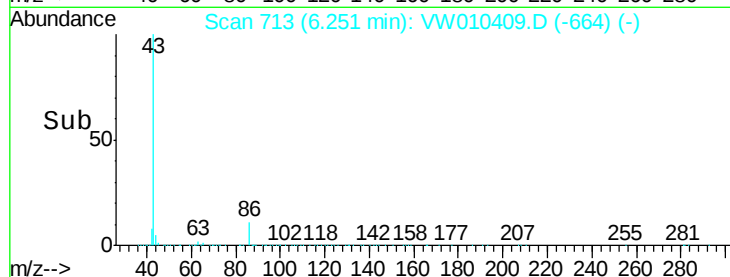
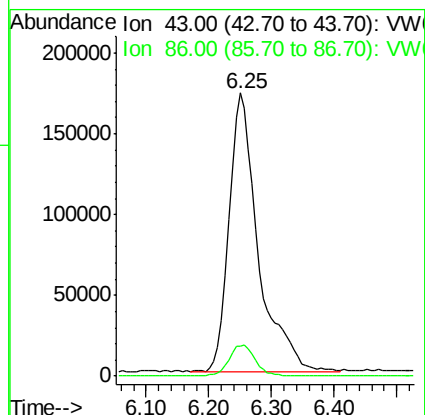
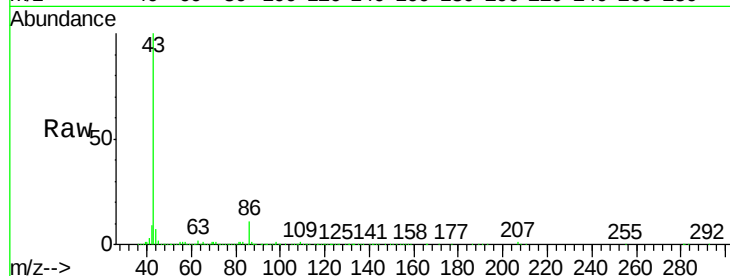
VSTDIC005

Tot Ion: 43 Resp: 554935

Ion Ratio Lower Upper

43 100

86 10.7 9.1 13.7



#24

1,1-Dichloroethane

Concen: 4.585 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

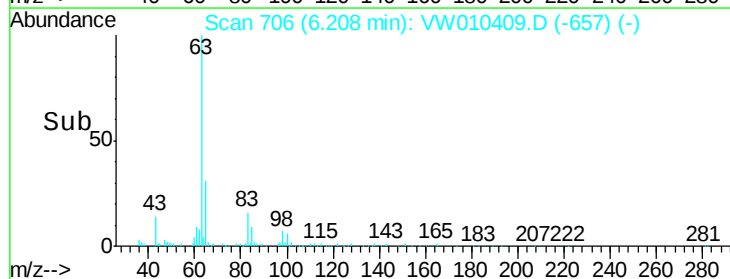
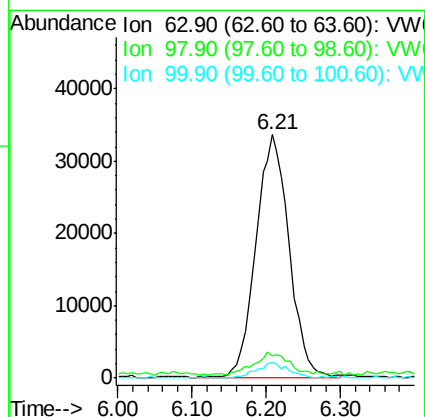
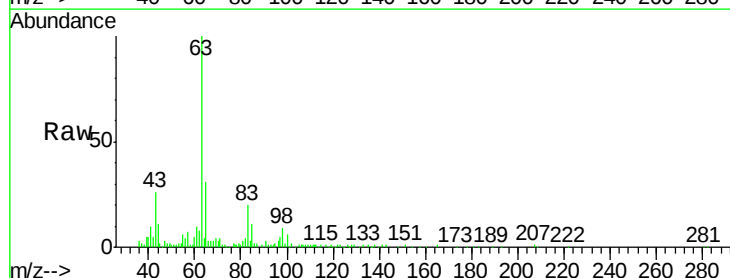
Tgt Ion: 63 Resp: 103825

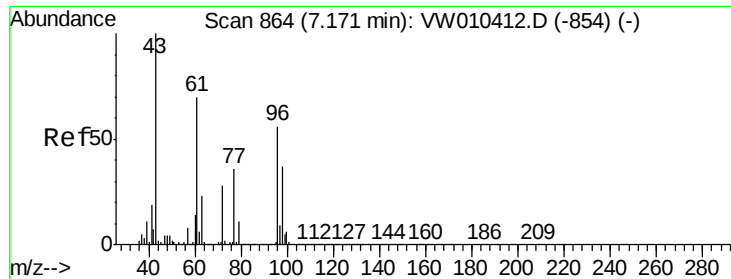
Ion Ratio Lower Upper

63 100

98 7.3 4.1 12.3

100 6.3 2.4 7.2





#25

2-Butanone

Concen: 21.144 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA\_W

ClientSampleId :

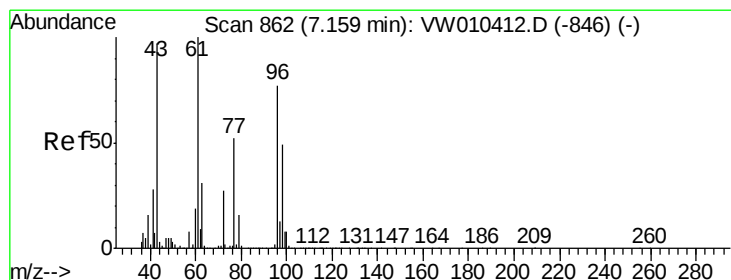
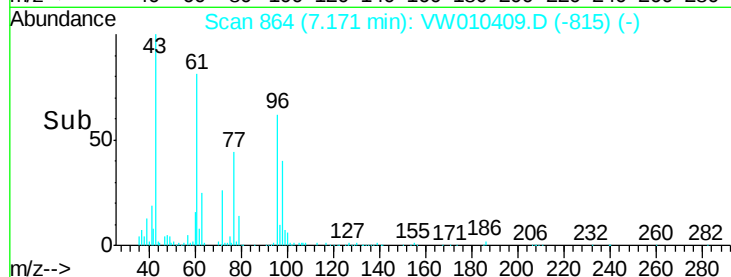
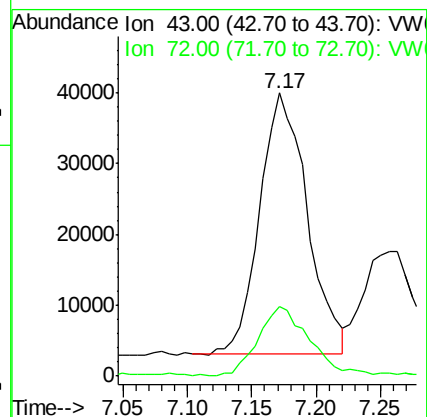
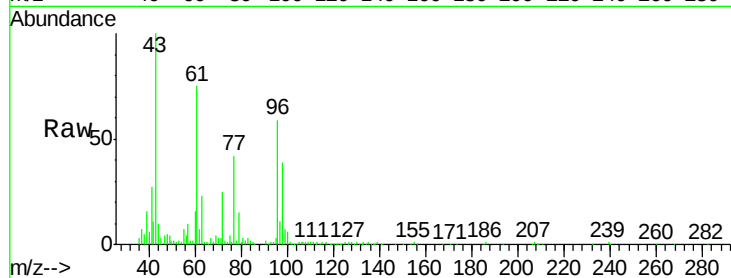
VSTDIC005

Tot Ion: 43 Resp: 94748

Ion Ratio Lower Upper

43 100

72 26.3 22.1 33.1



#26

2,2-Dichloropropane

Concen: 4.888 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW010409.D

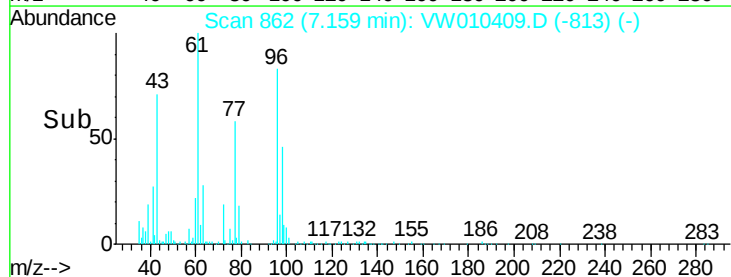
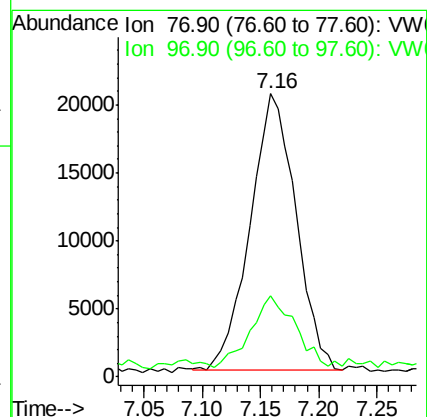
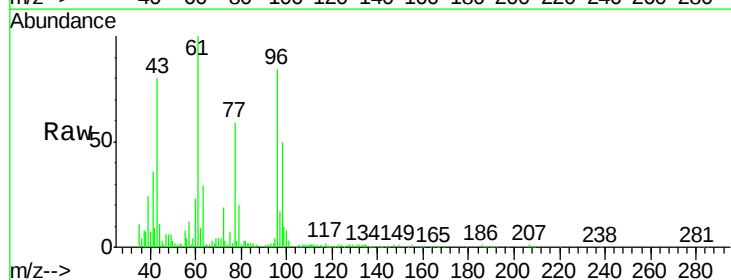
Acq: 16 May 2019 18:43

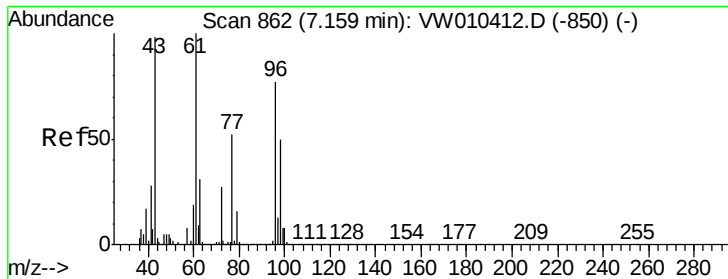
Tgt Ion: 77 Resp: 55042

Ion Ratio Lower Upper

77 100

97 25.1 12.7 38.0



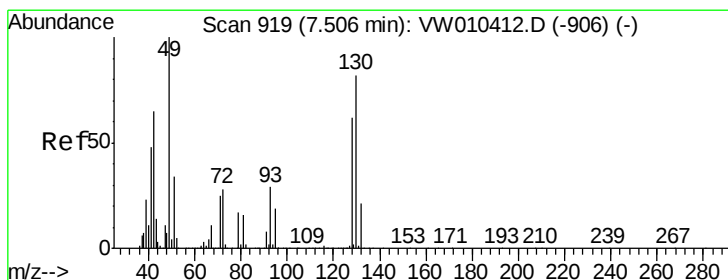
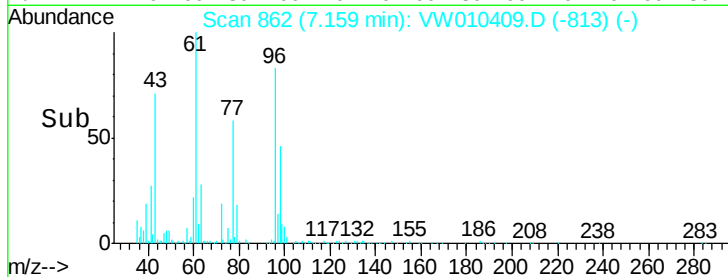
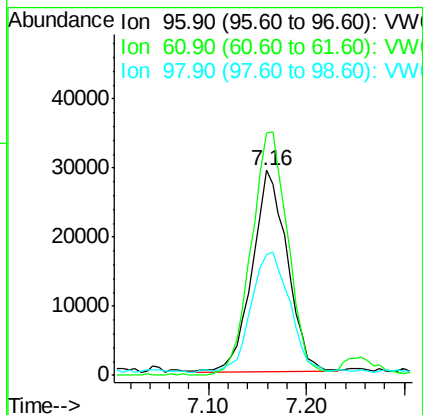
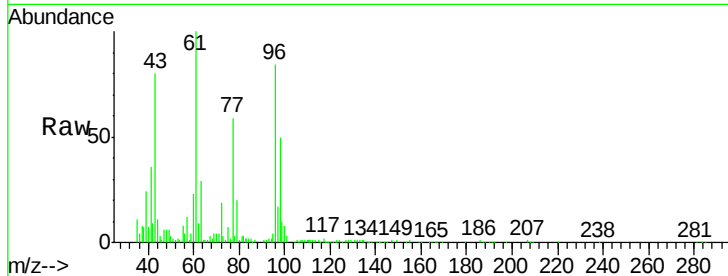


#27

cis-1,2-Dichloroethene  
Concen: 5.460 ug/l  
RT: 7.16 min Scan# 862  
Delta R.T. 0.00 min  
Lab File: VW010409.D  
Acq: 16 May 2019 18:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

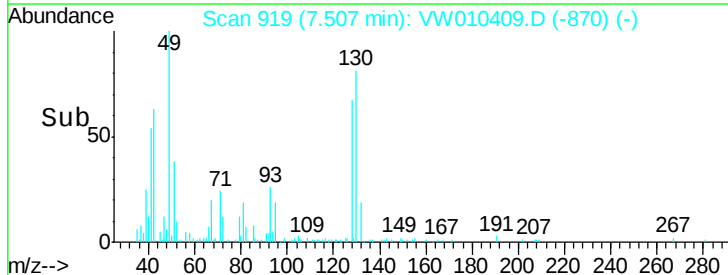
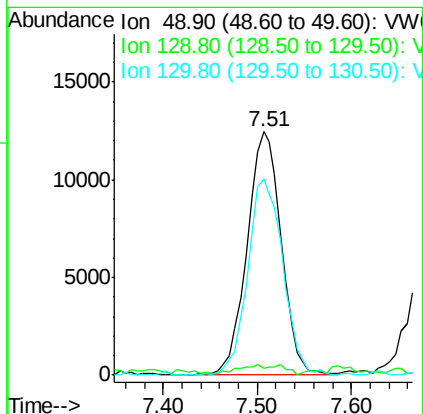
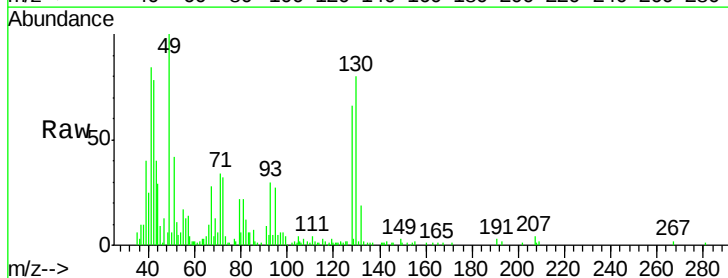
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 126.3 | 0.0   | 257.8 |
| 98      | 66.1  | 0.0   | 128.4 |

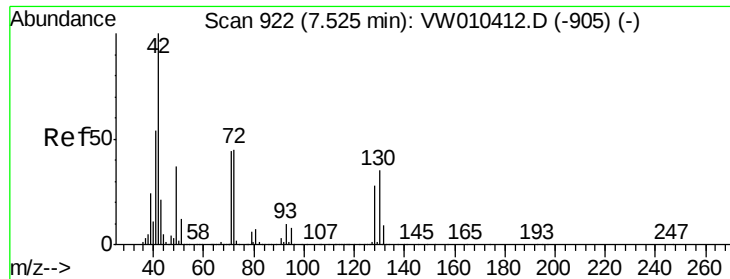


#28

Bromochloromethane  
Concen: 3.672 ug/l  
RT: 7.51 min Scan# 919  
Delta R.T. 0.00 min  
Lab File: VW010409.D  
Acq: 16 May 2019 18:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.9   | 0.0   | 4.8   |
| 130     | 82.7  | 67.0  | 100.4 |





#29

Tetrahydrofuran

Concen: 21.823 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

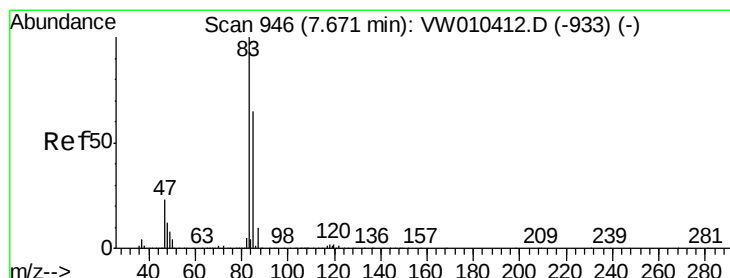
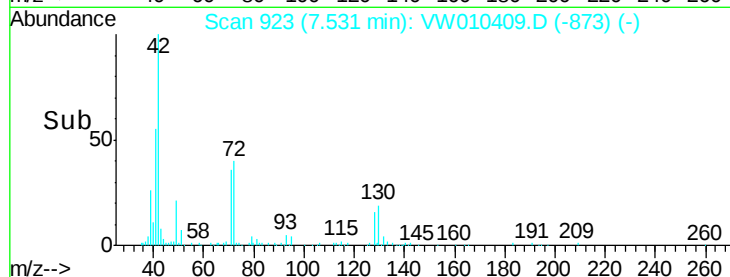
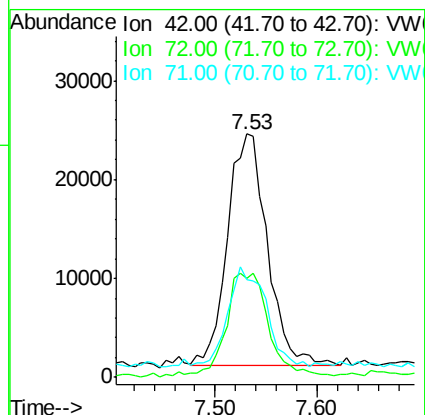
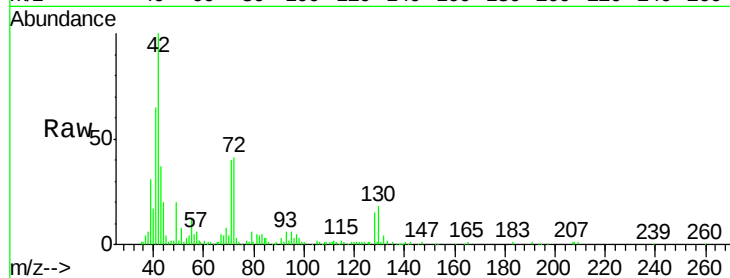
Tot Ion: 42 Resp: 63556

Ion Ratio Lower Upper

42 100

72 46.2 35.6 53.4

71 40.6 33.7 50.5



#30

Chloroform

Concen: 5.050 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW010409.D

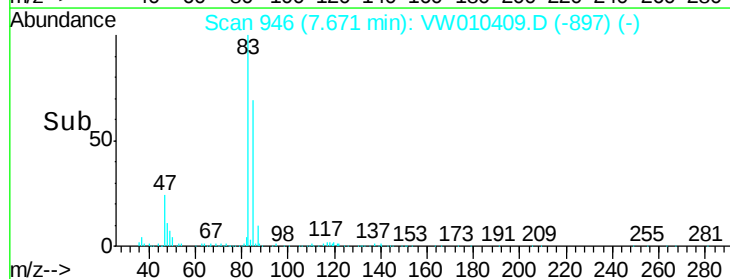
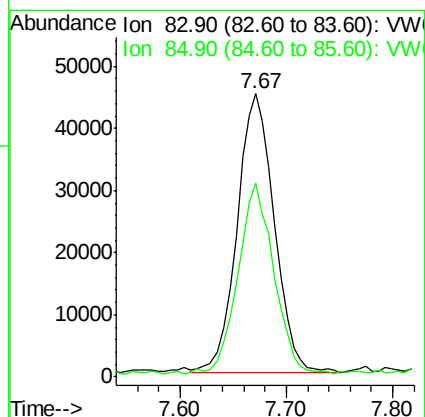
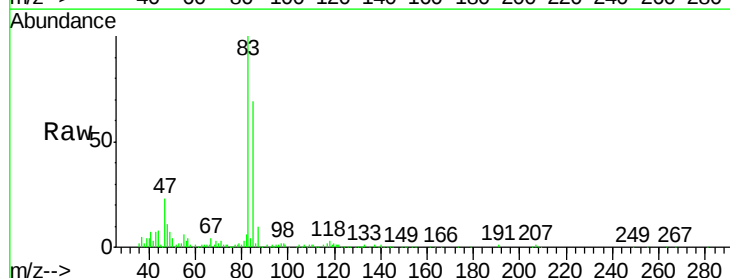
Acq: 16 May 2019 18:43

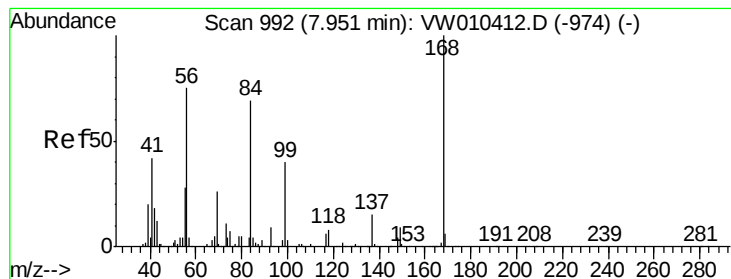
Tgt Ion: 83 Resp: 108822

Ion Ratio Lower Upper

83 100

85 68.4 52.0 78.0





#31

Cyclohexane

Concen: 5.297 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

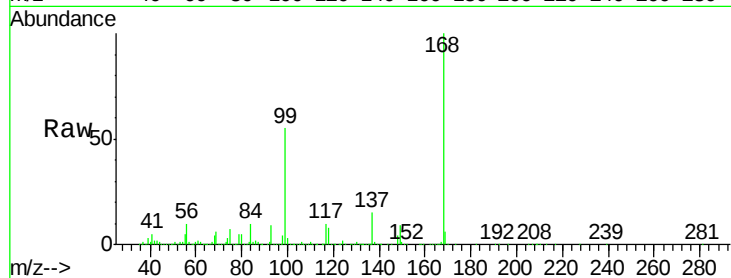
Tot Ion: 56 Resp: 121097

Ion Ratio Lower Upper

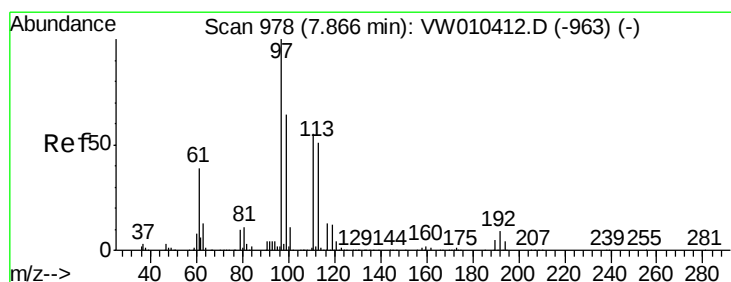
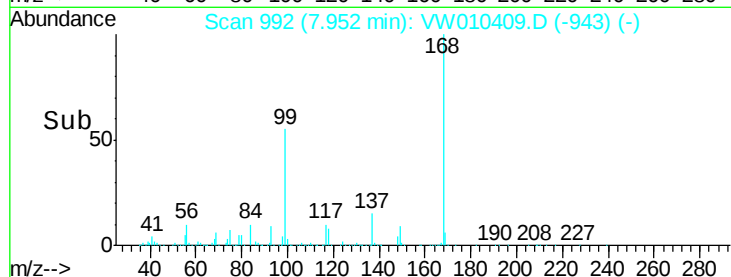
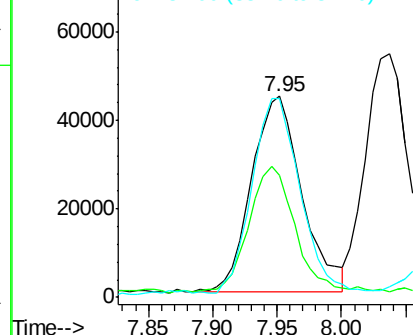
56 100

69 59.3 27.9 41.9#

84 99.5 73.9 110.9



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: 5.255 ug/l

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

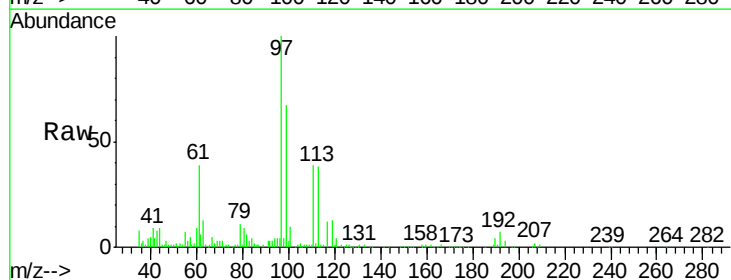
Tgt Ion: 97 Resp: 87708

Ion Ratio Lower Upper

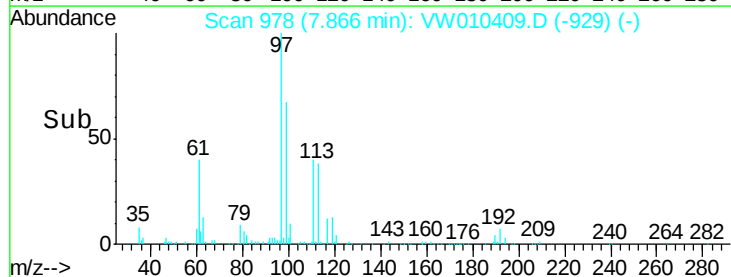
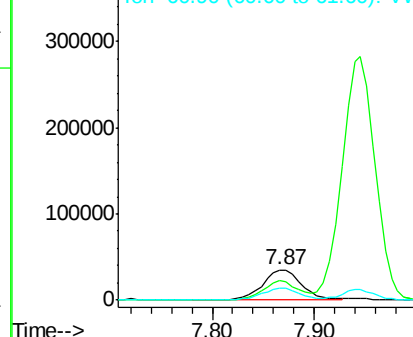
97 100

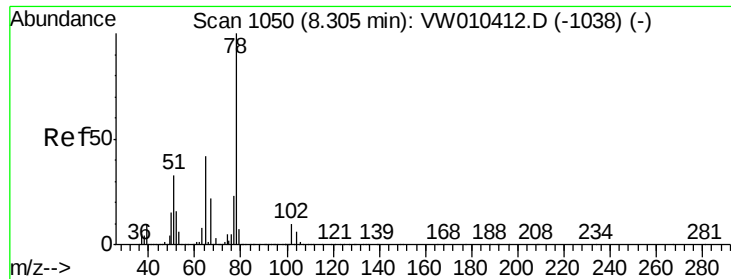
99 61.1 50.6 76.0

61 40.7 31.9 47.9



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

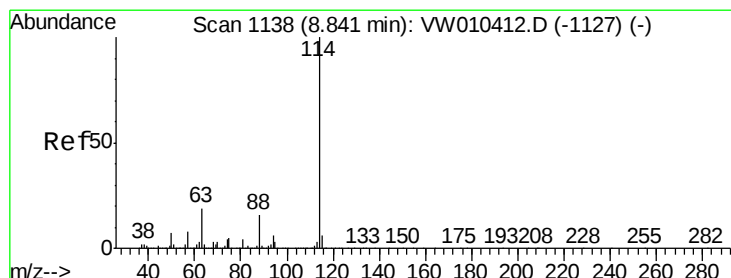
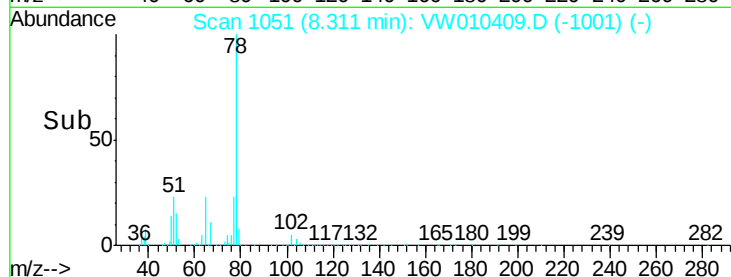
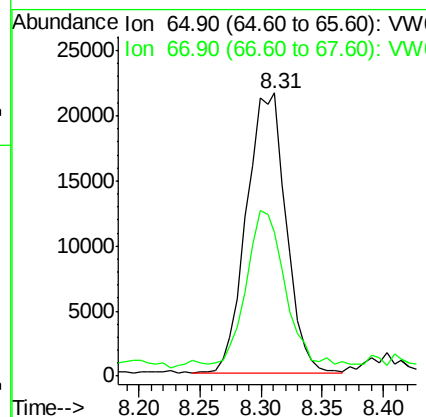
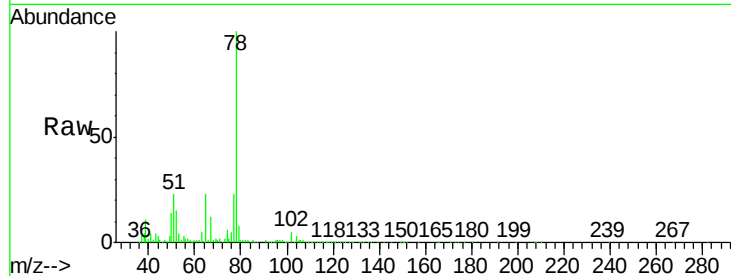




#33  
 1,2-Dichloroethane-d4  
 Concen: 4.198 ug/l  
 RT: 8.31 min Scan# 1051  
 Delta R.T. 0.01 min  
 Lab File: VW010409.D  
 Acq: 16 May 2019 18:43

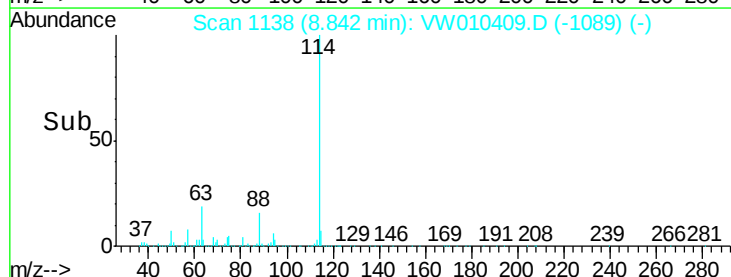
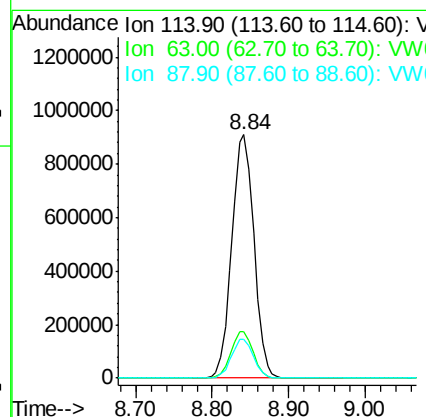
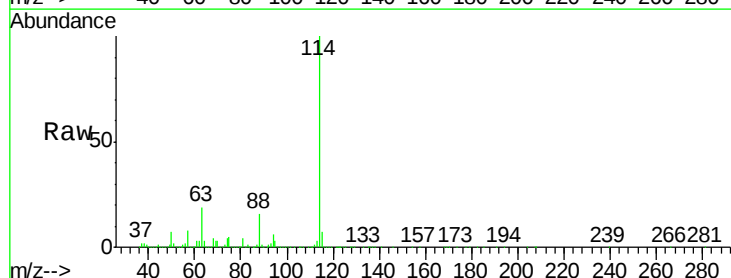
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

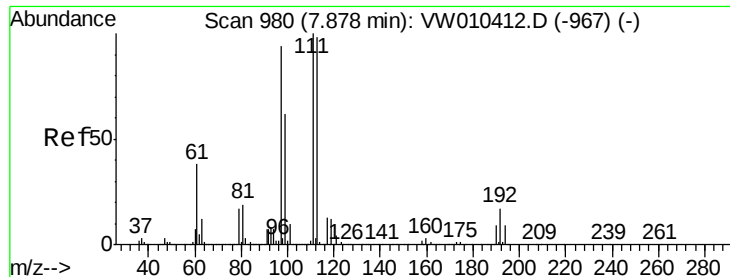
Tot Ion: 65 Resp: 48599  
 Ion Ratio Lower Upper  
 65 100  
 67 55.2 0.0 104.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW010409.D  
 Acq: 16 May 2019 18:43

Tgt Ion: 114 Resp: 1821422  
 Ion Ratio Lower Upper  
 114 100  
 63 19.3 0.0 37.6  
 88 15.9 0.0 32.0





#35

Dibromofluoromethane

Concen: 4.797 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

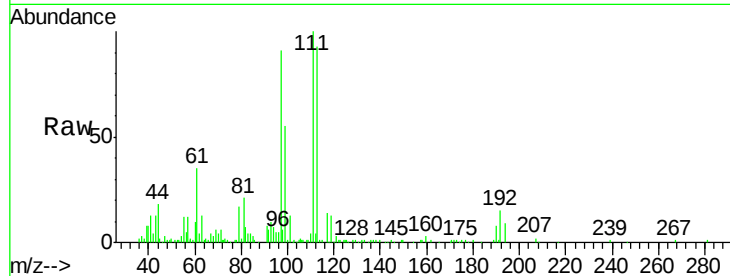
Tot Ion:113 Resp: 51600

Ion Ratio Lower Upper

113 100

111 104.7 82.2 123.4

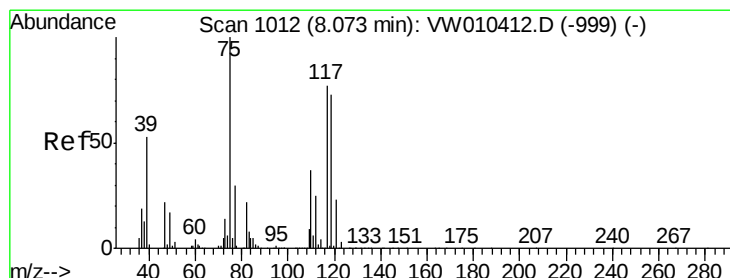
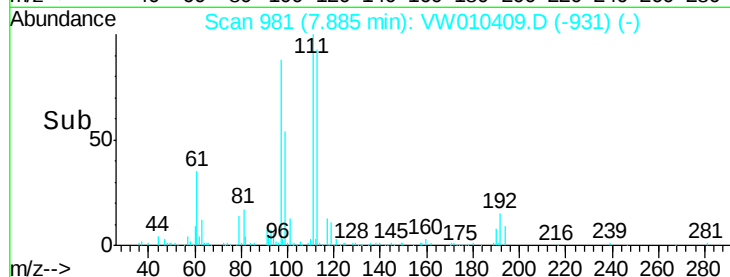
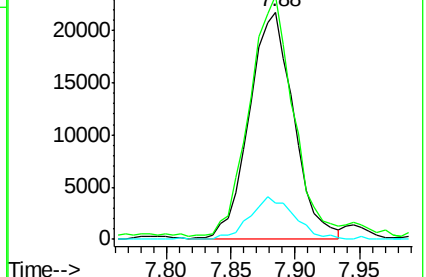
192 18.9 15.2 22.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.515 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.01 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

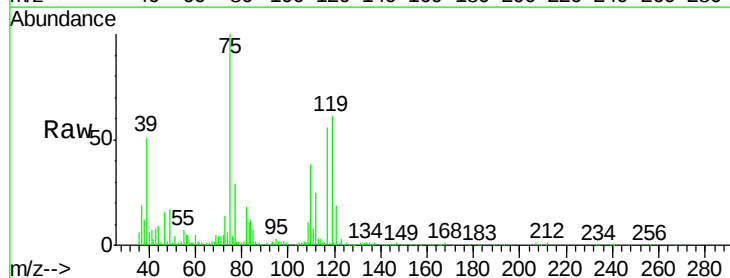
Tgt Ion: 75 Resp: 86198

Ion Ratio Lower Upper

75 100

110 39.0 18.9 56.7

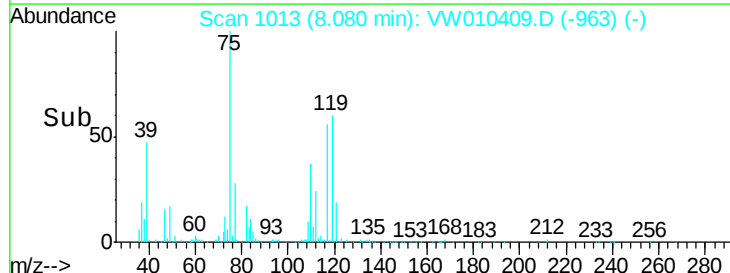
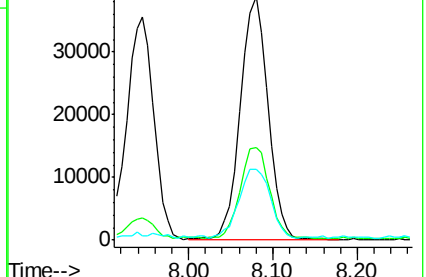
77 32.2 24.6 37.0

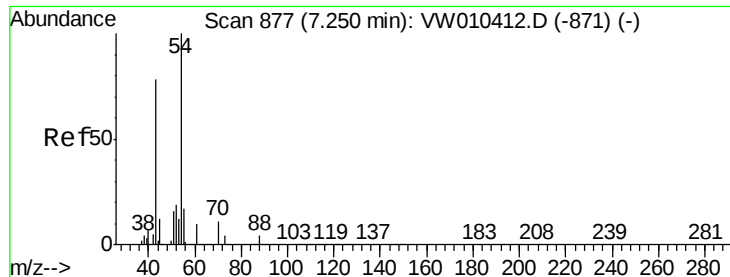


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

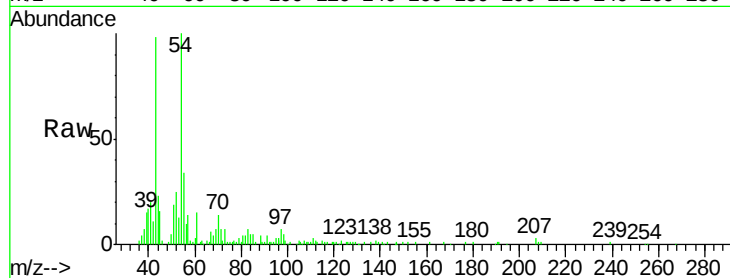




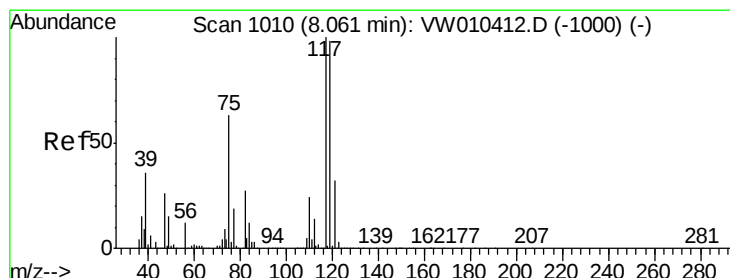
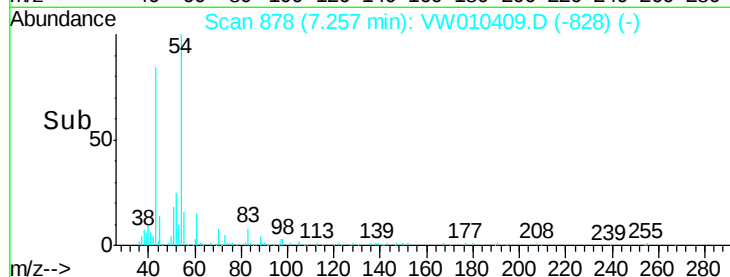
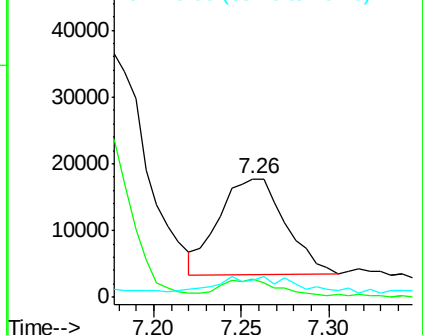
#37  
Ethyl Acetate  
Concen: 3.724 ug/l  
RT: 7.26 min Scan# 878  
Delta R.T. 0.01 min  
Lab File: VW010409.D  
Acq: 16 May 2019 18:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

Tot Ion: 43 Resp: 37882  
Ion Ratio Lower Upper  
43 100  
61 18.4 11.0 16.4#  
70 8.2 9.1 13.7#

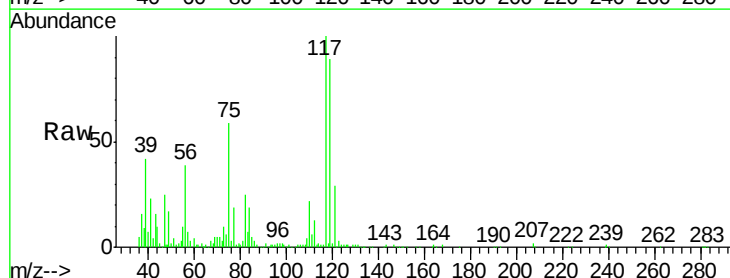


Abundance Ion 43.00 (42.70 to 43.70): VW  
Ion 60.90 (60.60 to 61.60): VW  
Ion 70.00 (69.70 to 70.70): VW

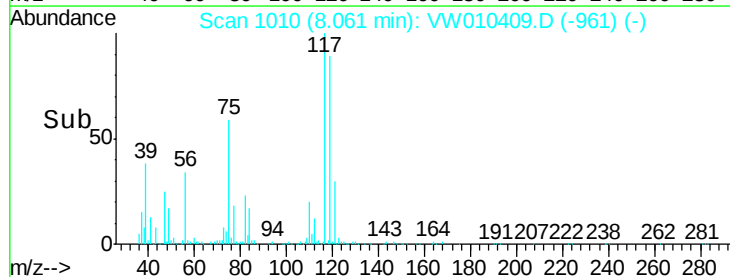
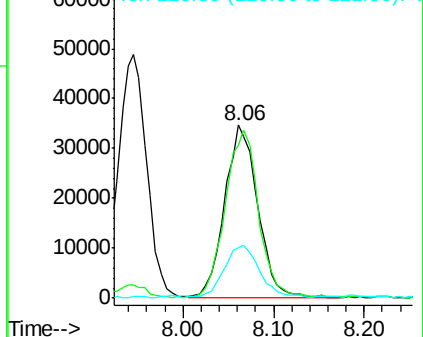


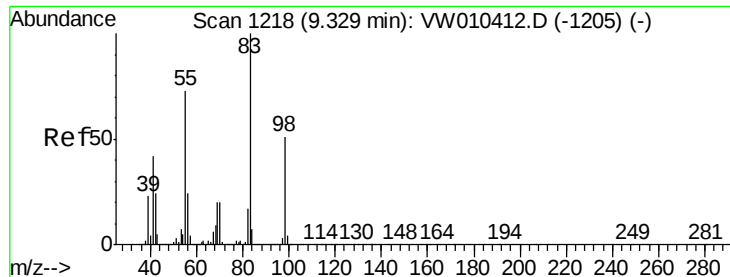
#38  
Carbon Tetrachloride  
Concen: 5.179 ug/l  
RT: 8.06 min Scan# 1010  
Delta R.T. 0.00 min  
Lab File: VW010409.D  
Acq: 16 May 2019 18:43

Tgt Ion: 117 Resp: 87201  
Ion Ratio Lower Upper  
117 100  
119 88.3 78.2 117.4  
121 29.0 25.3 37.9



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

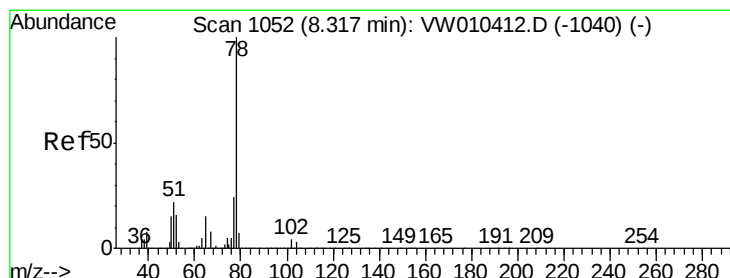
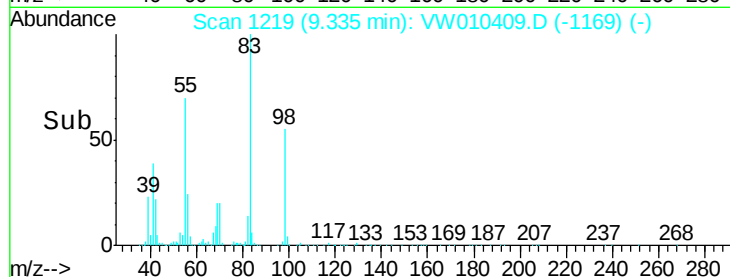
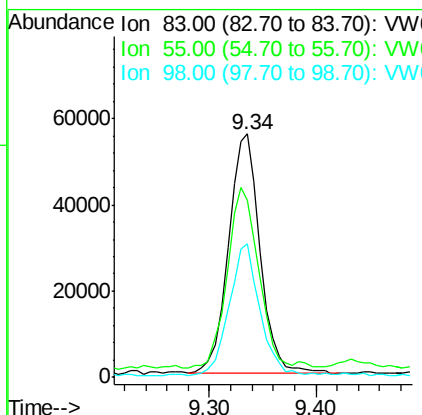
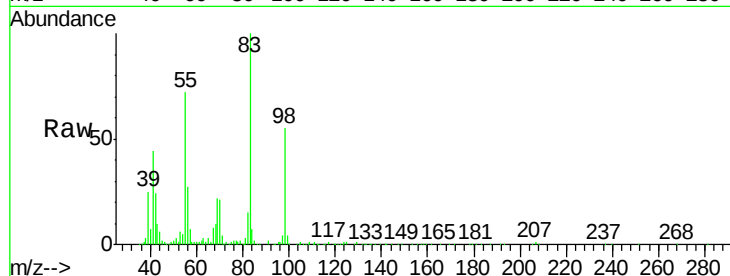




#39  
Methvlcvclohexane  
Concen: 4.873 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. 0.01 min  
Lab File: VW010409.D  
Acq: 16 May 2019 18:43

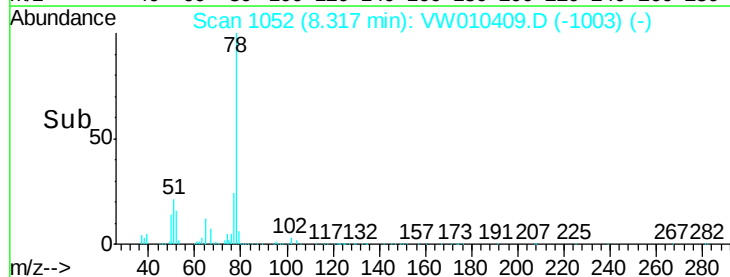
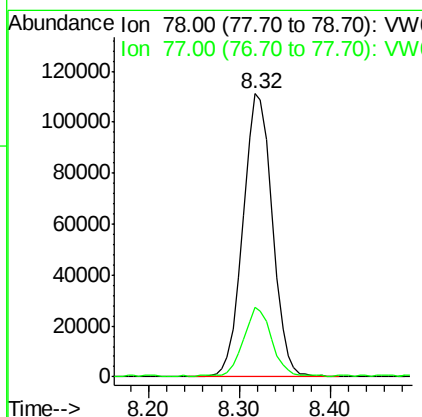
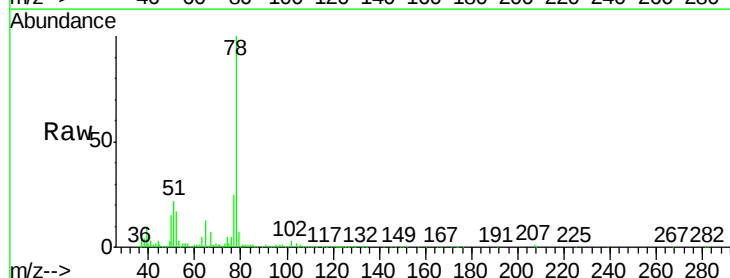
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

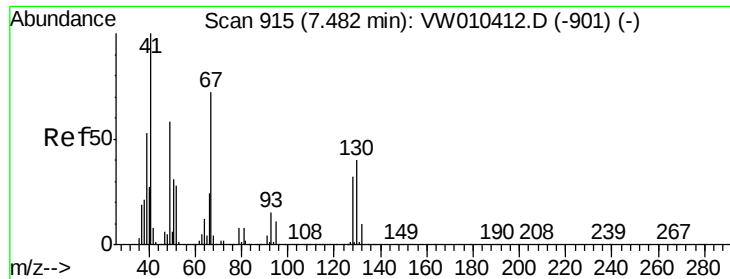
Tot Ion: 83 Resp: 114373  
Ion Ratio Lower Upper  
83 100  
55 69.7 58.7 88.1  
98 55.2 40.7 61.1



#40  
Benzene  
Concen: 4.694 ug/l  
RT: 8.32 min Scan# 1052  
Delta R.T. 0.00 min  
Lab File: VW010409.D  
Acq: 16 May 2019 18:43

Tgt Ion: 78 Resp: 248076  
Ion Ratio Lower Upper  
78 100  
77 24.4 19.2 28.8

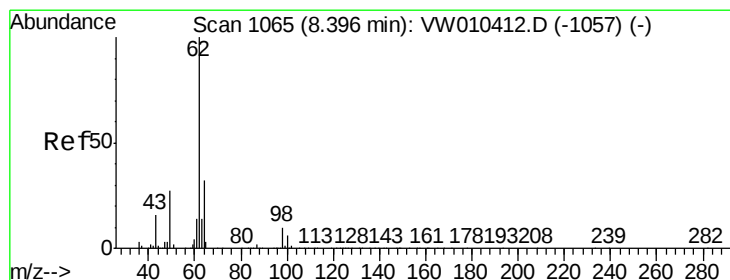
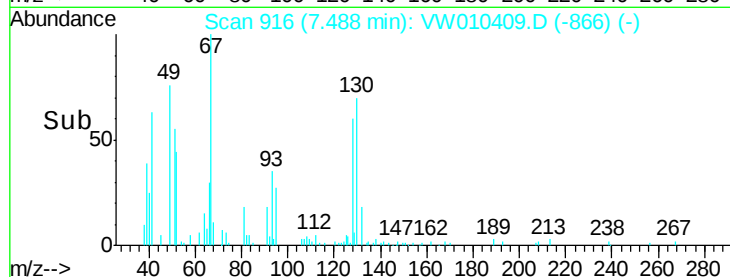
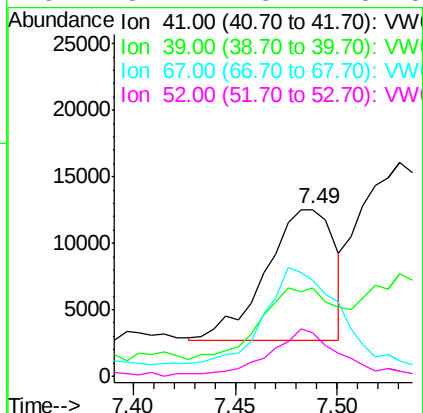
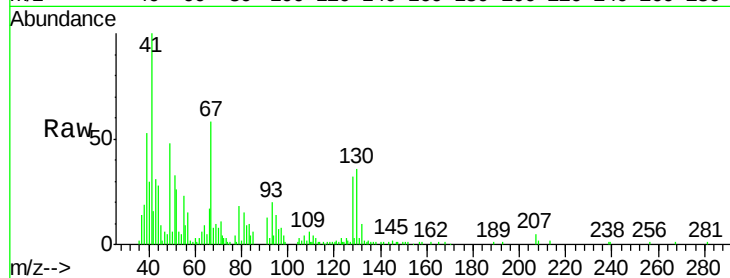




#41  
Methacrylonitrile  
Concen: 4.042 ug/l  
RT: 7.49 min Scan# 916  
Delta R.T. 0.01 min  
Lab File: VW010409.D  
Acq: 16 May 2019 18:43

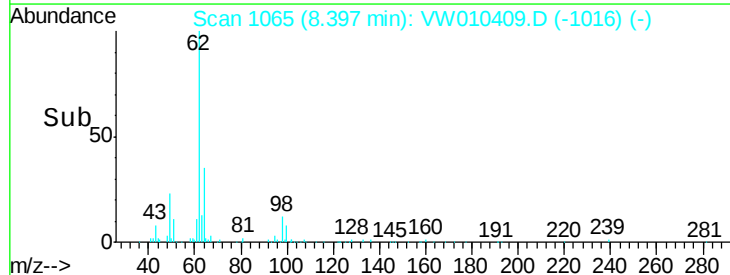
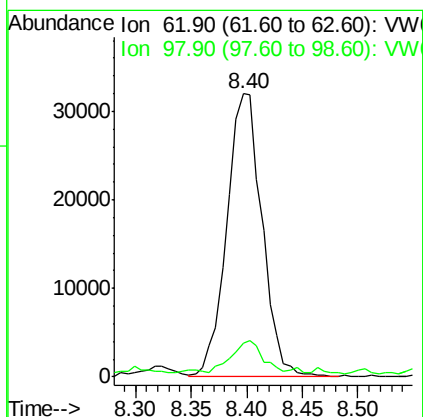
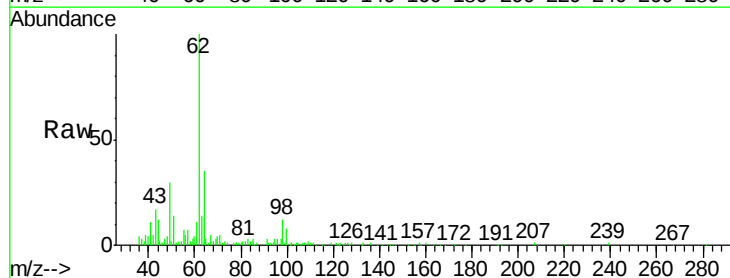
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

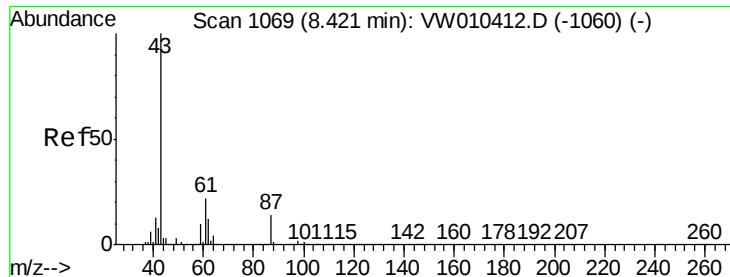
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 23108 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 63.0  | 42.7  | 64.1  |
| 67       | 78.2  | 58.8  | 88.2  |
| 52       | 37.4  | 23.2  | 34.8# |



#42  
1,2-Dichloroethane  
Concen: 4.598 ug/l  
RT: 8.40 min Scan# 1065  
Delta R.T. 0.00 min  
Lab File: VW010409.D  
Acq: 16 May 2019 18:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 69995 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 10.4  | 0.0   | 20.4  |





#43

Isopropyl Acetate

Concen: 4.861 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

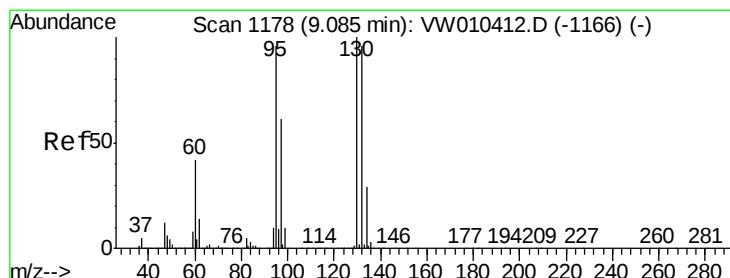
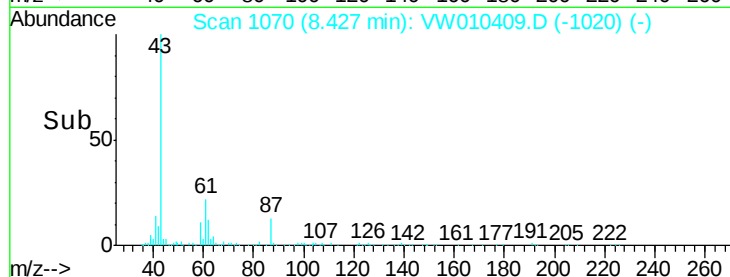
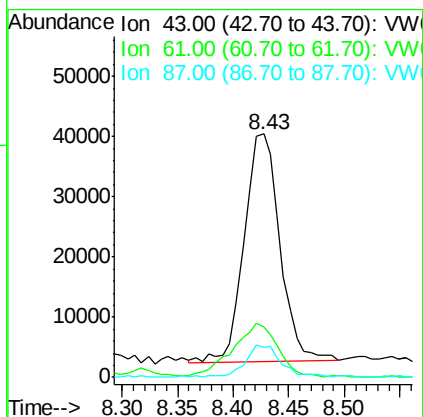
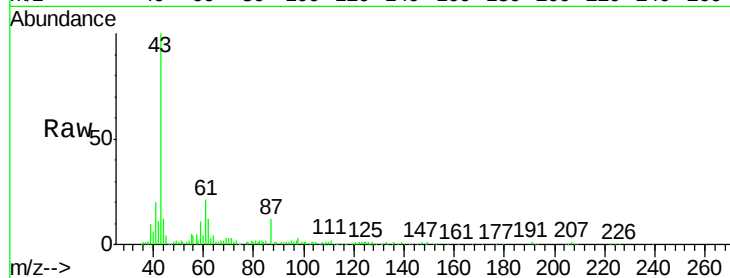
Tot Ion: 43 Resp: 84461

Ion Ratio Lower Upper

43 100

61 30.1 23.3 34.9

87 14.2 11.6 17.4



#44

Trichloroethene

Concen: 5.357 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW010409.D

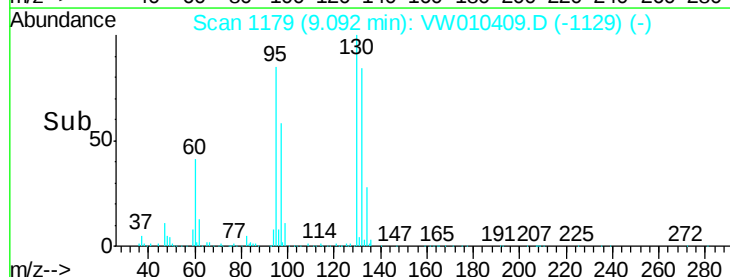
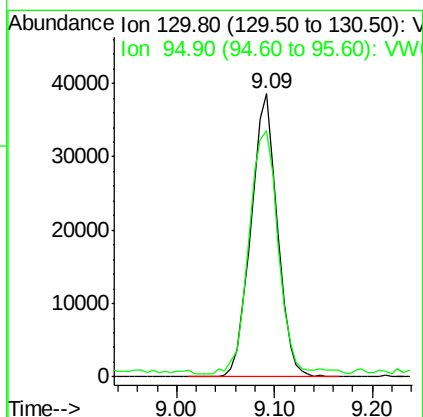
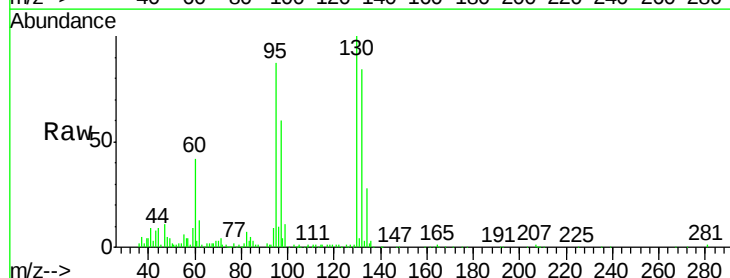
Acq: 16 May 2019 18:43

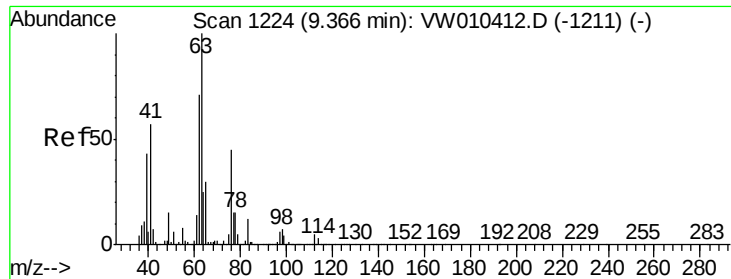
Tgt Ion: 130 Resp: 72327

Ion Ratio Lower Upper

130 100

95 84.4 0.0 192.4





#45

1,2-Dichloropropane

Concen: 4.595 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA\_W

ClientSampleId :

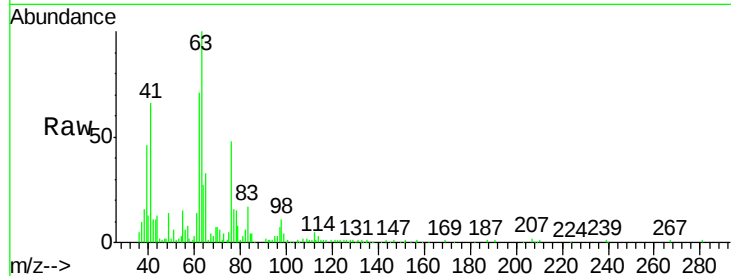
VSTDIC005

Tot Ion: 63 Resp: 60478

Ion Ratio Lower Upper

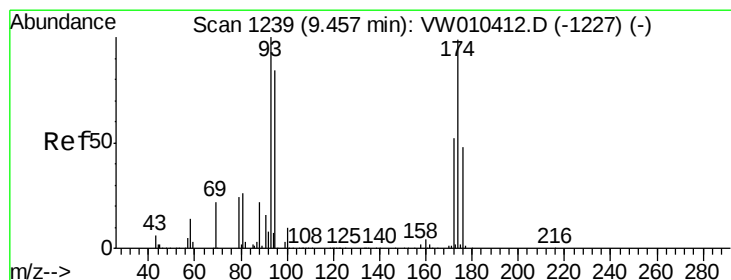
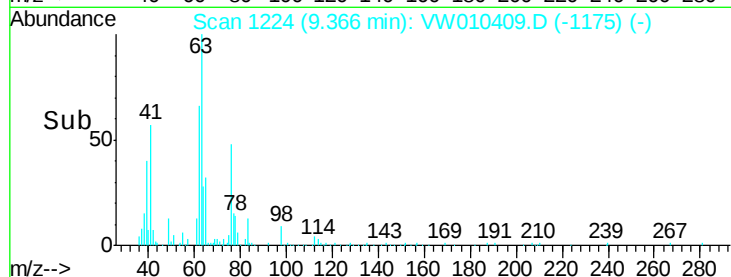
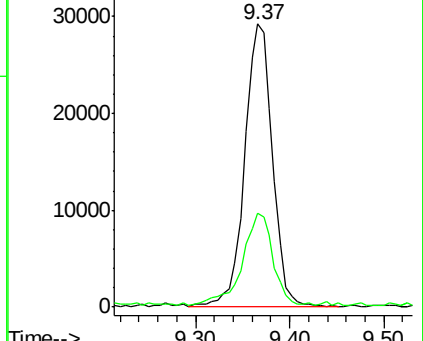
63 100

65 32.8 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 5.037 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

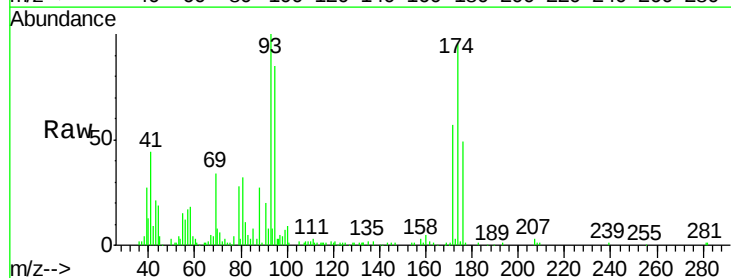
Tgt Ion: 93 Resp: 34926

Ion Ratio Lower Upper

93 100

95 85.8 66.6 100.0

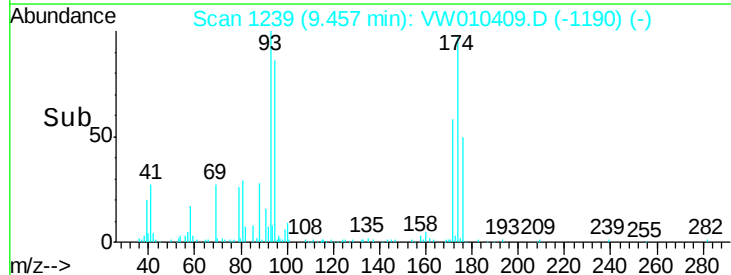
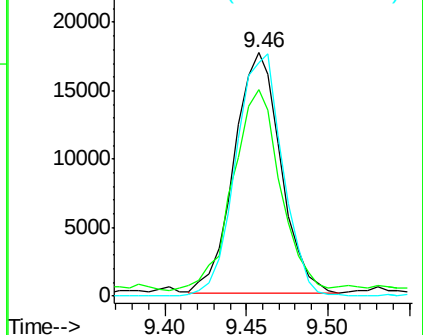
174 101.0 79.8 119.6

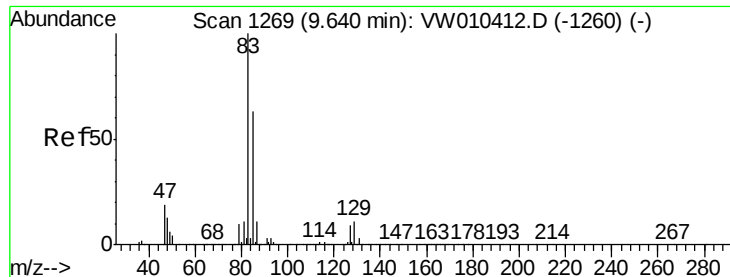


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 4.881 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

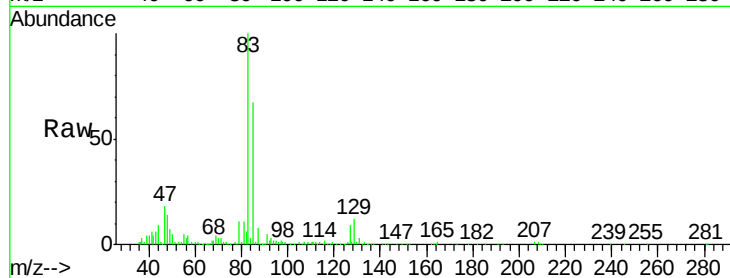
Tot Ion: 83 Resp: 81551

Ion Ratio Lower Upper

83 100

85 66.2 50.2 75.2

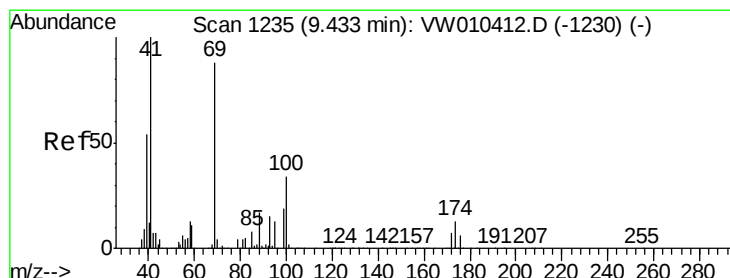
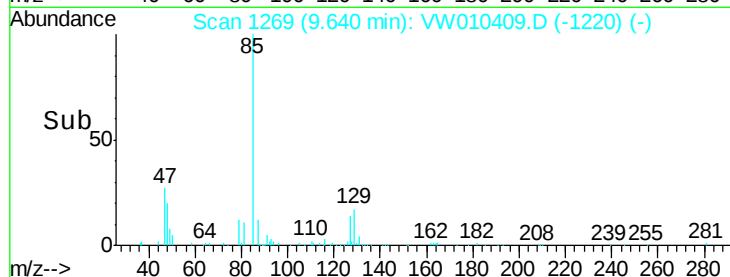
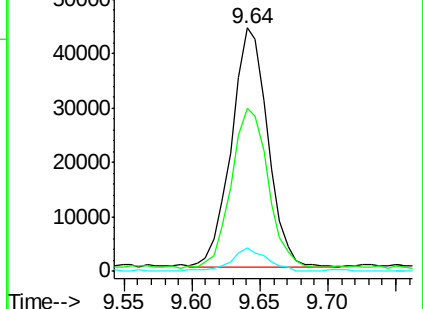
127 9.1 6.9 10.3



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: 5.041 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

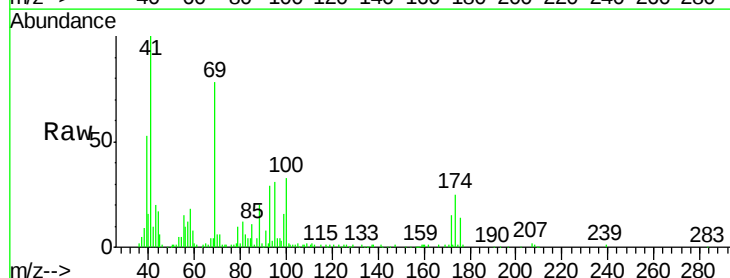
Tgt Ion: 41 Resp: 40799

Ion Ratio Lower Upper

41 100

69 85.6 72.6 108.8

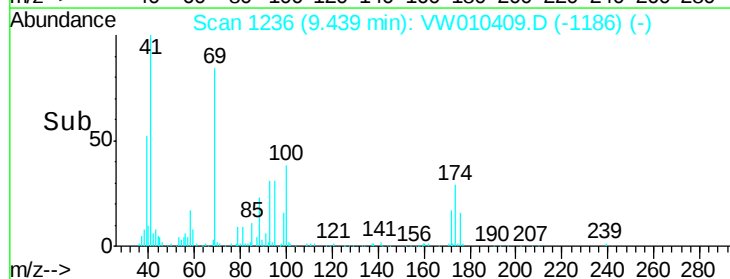
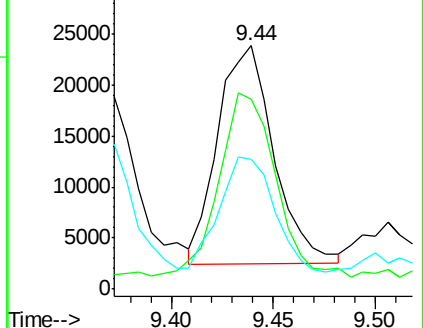
39 51.2 48.0 72.0

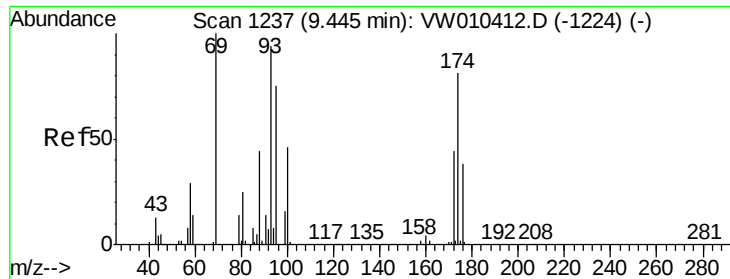


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 105.021 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

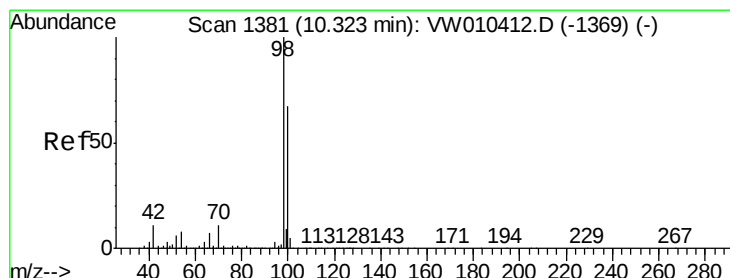
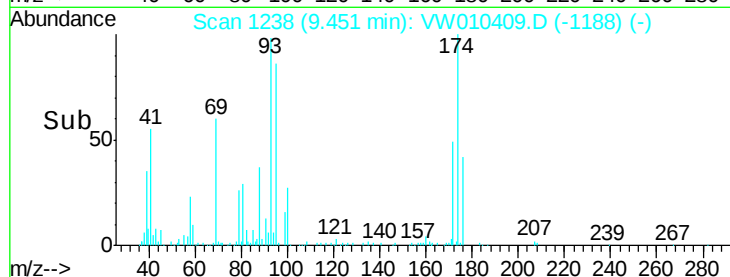
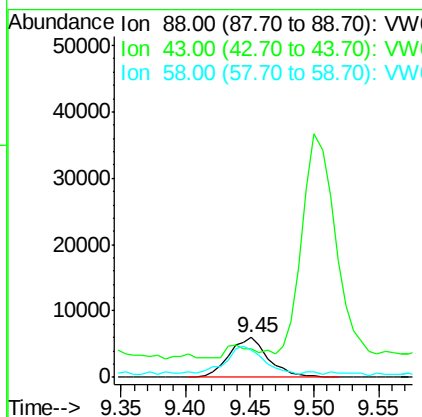
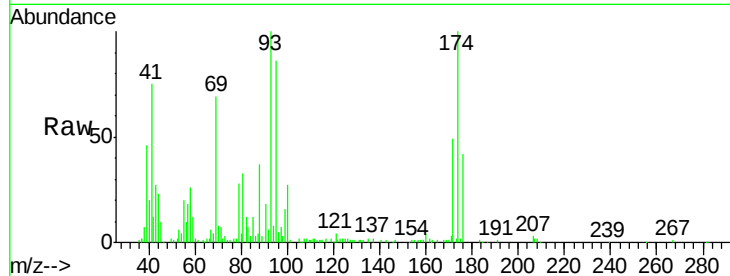
Tot Ion: 88 Resp: 12631

Ion Ratio Lower Upper

88 100

43 21.6 24.6 36.8#

58 74.5 56.2 84.4



#50

Toluene-d8

Concen: 4.268 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010409.D

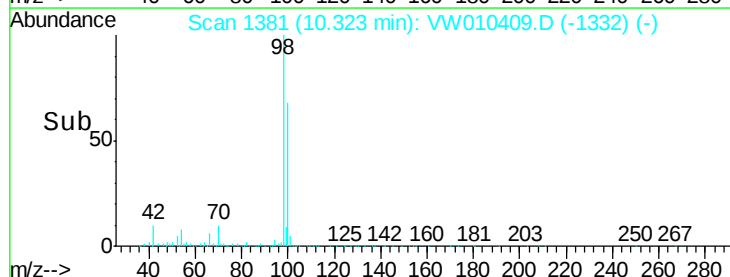
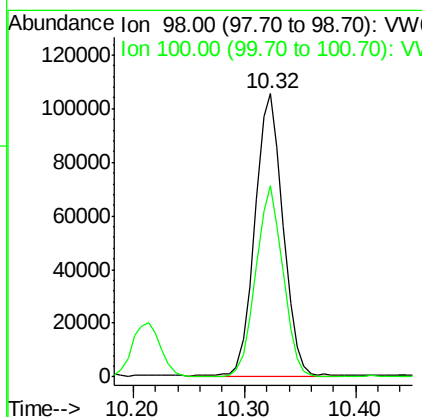
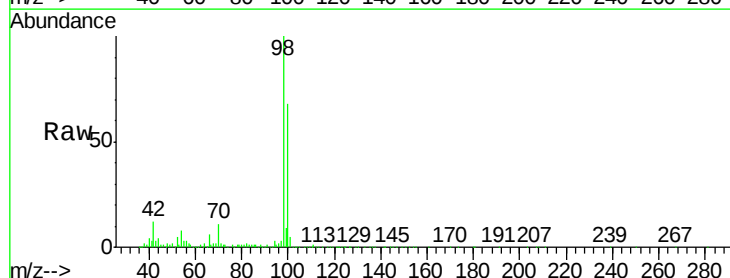
Acq: 16 May 2019 18:43

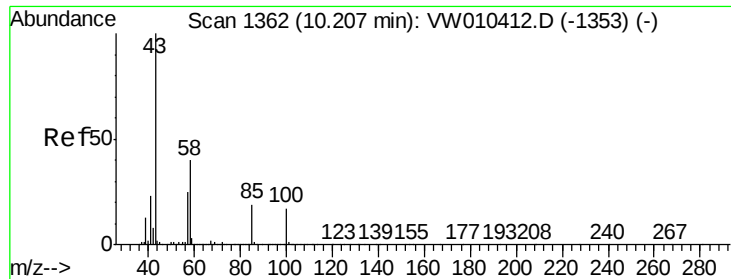
Tgt Ion: 98 Resp: 184378

Ion Ratio Lower Upper

98 100

100 65.9 53.6 80.4





#51

4-Methyl-2-Pentanone

Concen: 22.298 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA\_W

ClientSampleId :

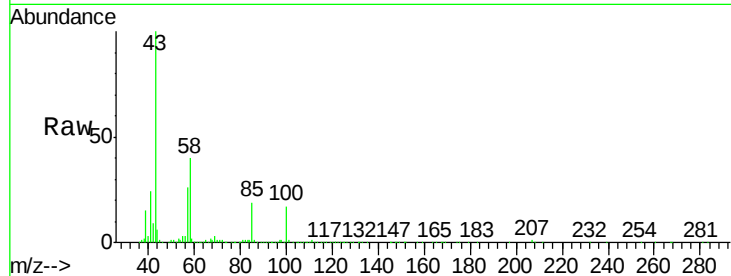
VSTDIC005

Tot Ion: 43 Resp: 217220

Ion Ratio Lower Upper

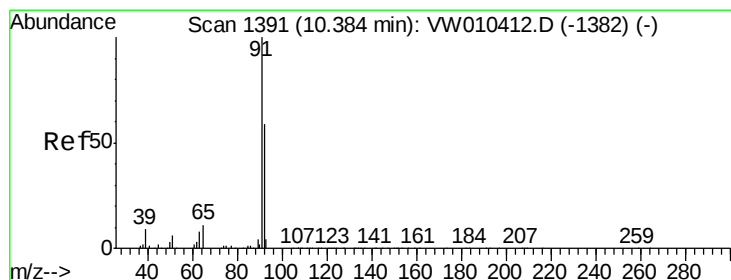
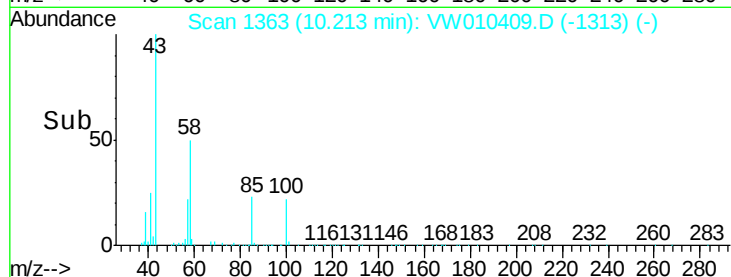
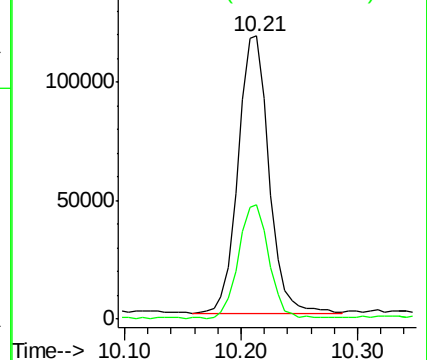
43 100

58 40.0 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 4.992 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW010409.D

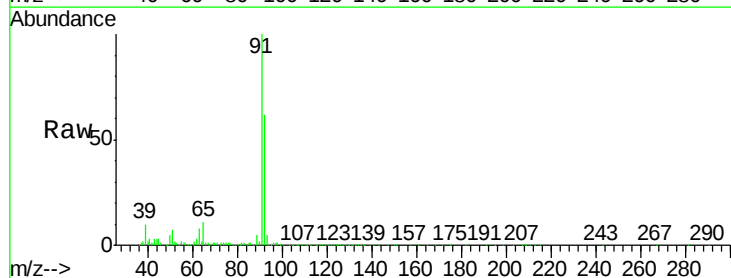
Acq: 16 May 2019 18:43

Tgt Ion: 92 Resp: 163092

Ion Ratio Lower Upper

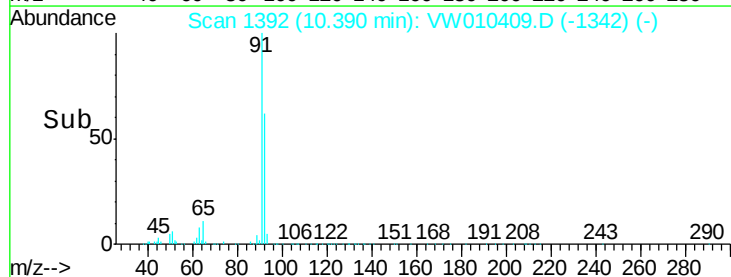
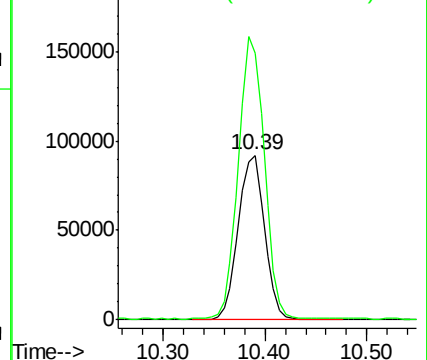
92 100

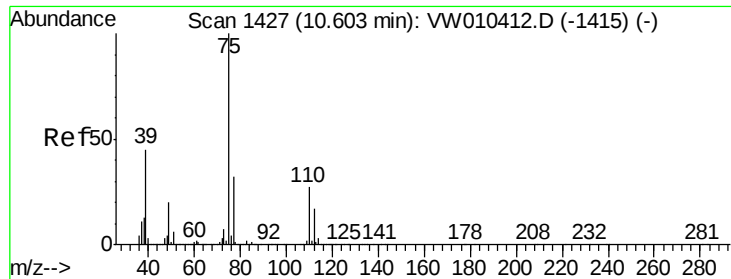
91 170.4 134.9 202.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 5.270 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA\_W

ClientSampled :

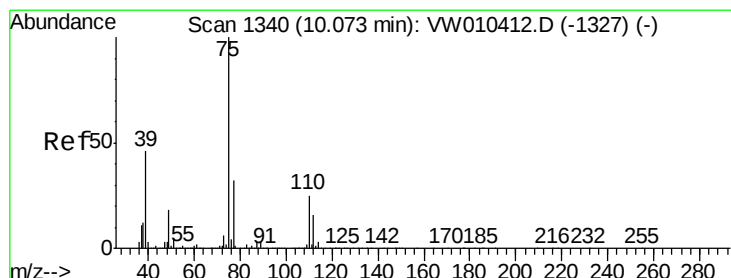
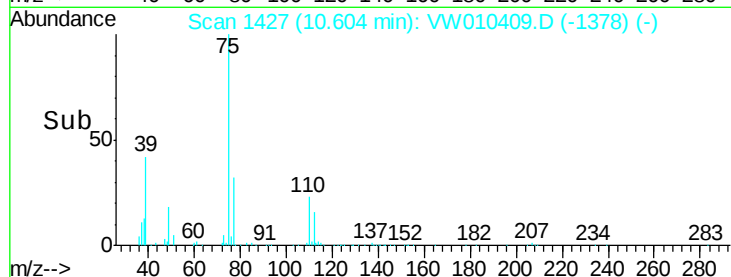
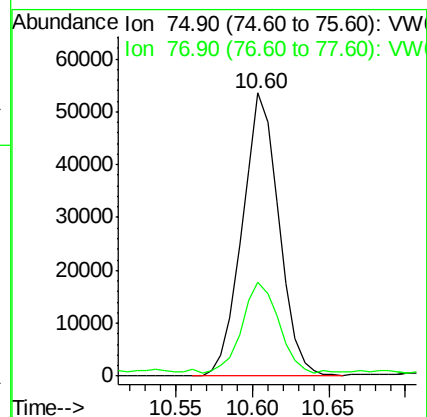
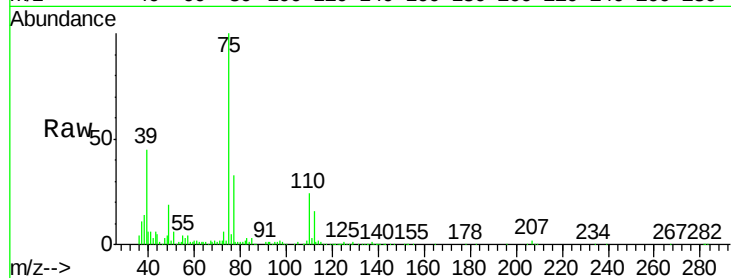
VSTDIC005

Tot Ion: 75 Resp: 89203

Ion Ratio Lower Upper

75 100

77 31.6 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 5.107 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

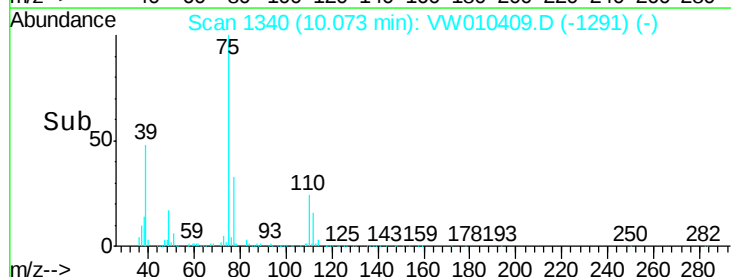
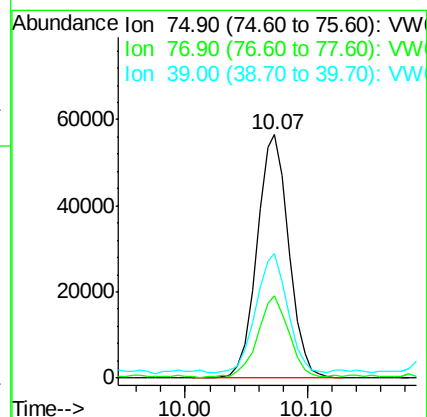
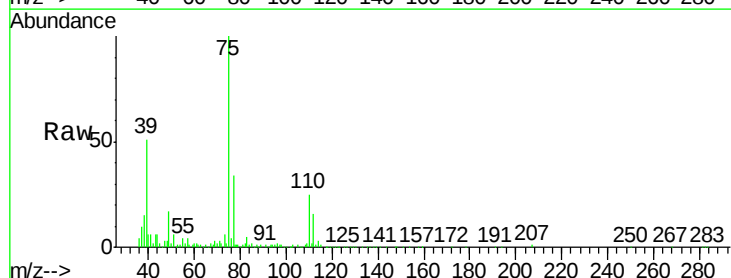
Tgt Ion: 75 Resp: 101666

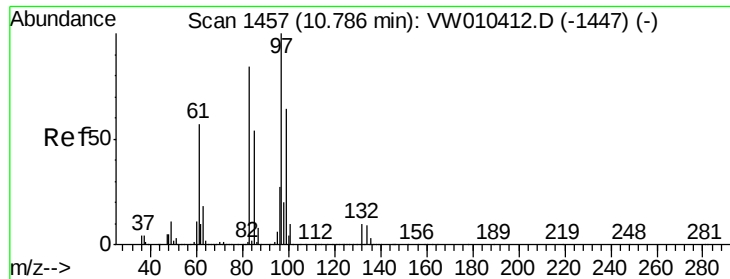
Ion Ratio Lower Upper

75 100

77 33.0 25.5 38.3

39 48.4 37.1 55.7

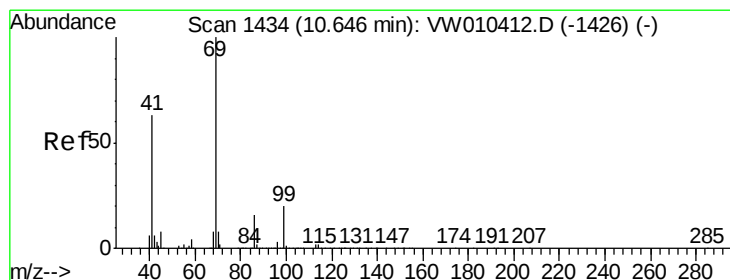
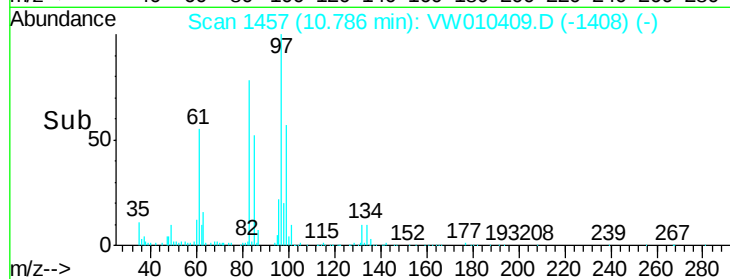
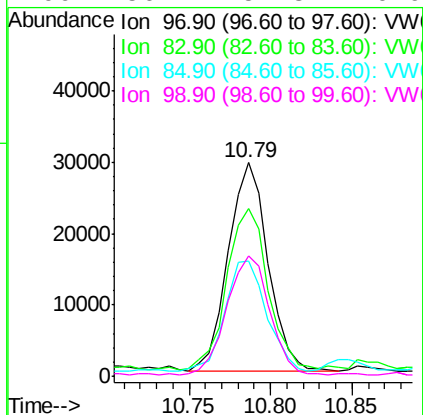
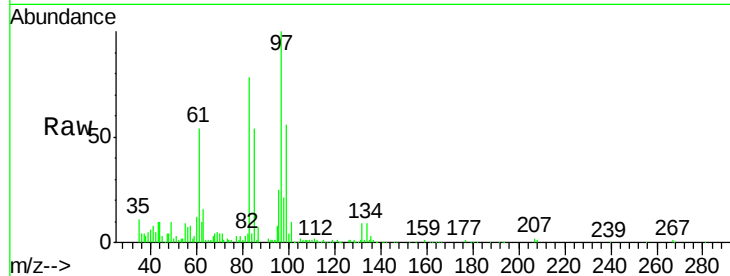




#55  
 1,1,2-Trichloroethane  
 Concen: 5.021 ug/l  
 RT: 10.79 min Scan# 1457  
 Delta R.T. 0.00 min  
 Lab File: VW010409.D  
 Acq: 16 May 2019 18:43

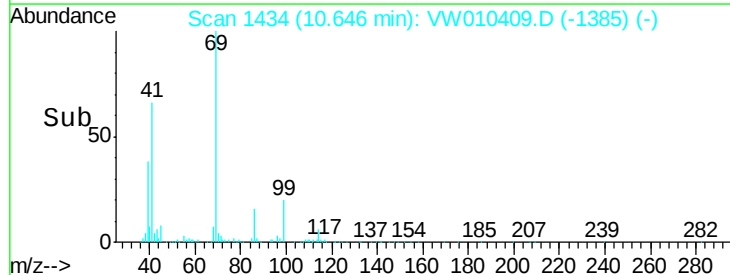
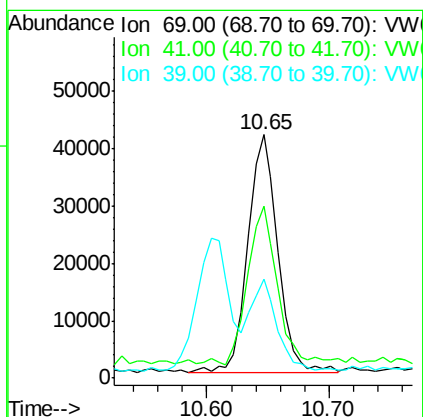
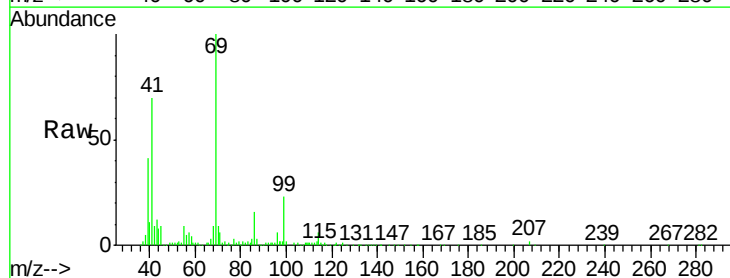
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

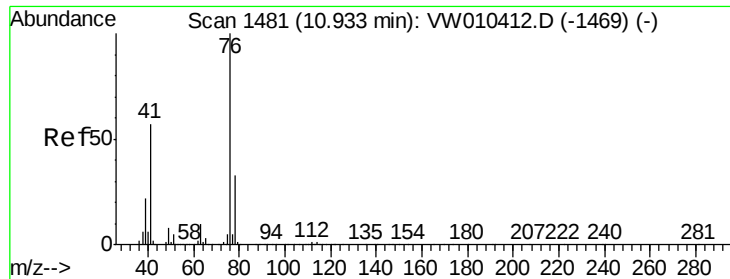
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 49702 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 76.8  | 67.2  | 100.8 |
| 85       | 51.4  | 43.1  | 64.7  |
| 99       | 56.4  | 51.3  | 76.9  |



#56  
 Ethyl methacrylate  
 Concen: 5.380 ug/l  
 RT: 10.65 min Scan# 1434  
 Delta R.T. 0.00 min  
 Lab File: VW010409.D  
 Acq: 16 May 2019 18:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 70573 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 65.1  | 51.7  | 77.5  |
| 39       | 33.8  | 26.2  | 39.2  |





#57

1,3-Dichloropropane

Concen: 4.793 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA\_W

ClientSampleId :

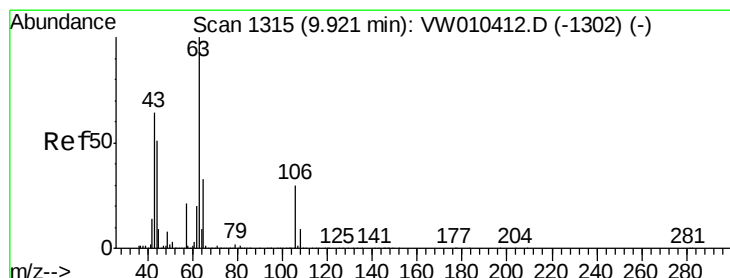
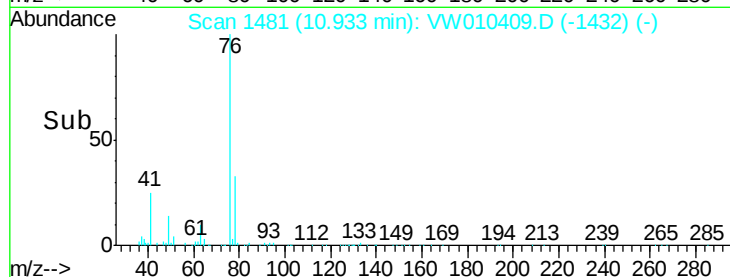
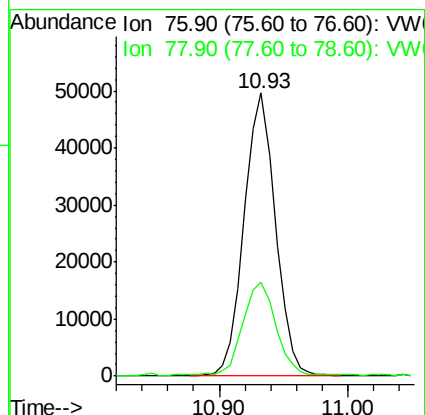
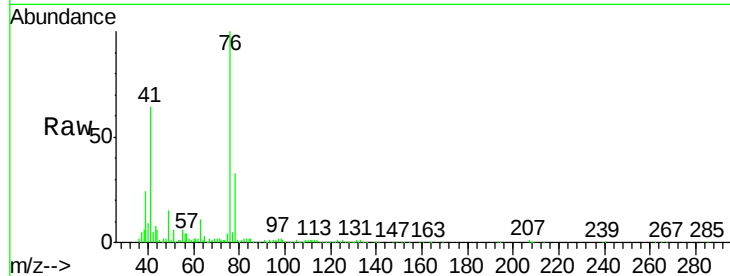
VSTDIC005

Tot Ion: 76 Resp: 83600

Ion Ratio Lower Upper

76 100

78 33.9 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 19.983 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW010409.D

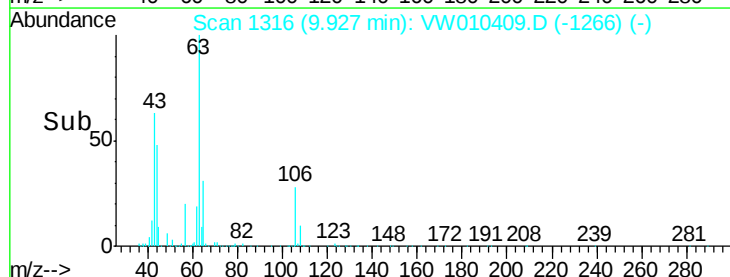
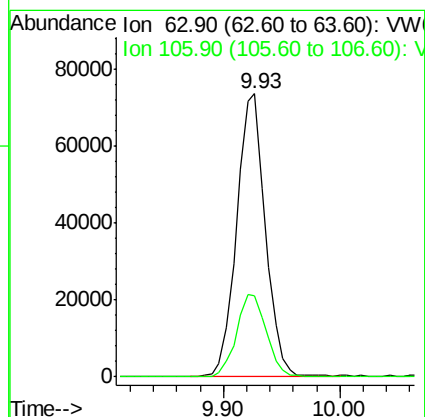
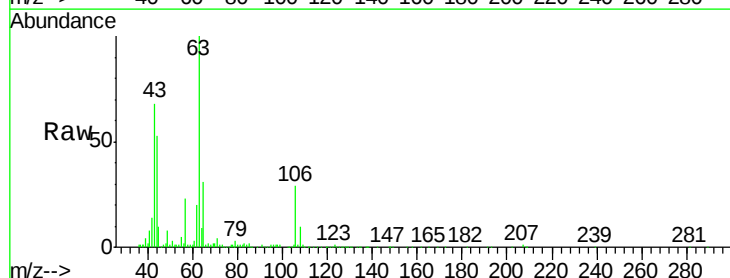
Acq: 16 May 2019 18:43

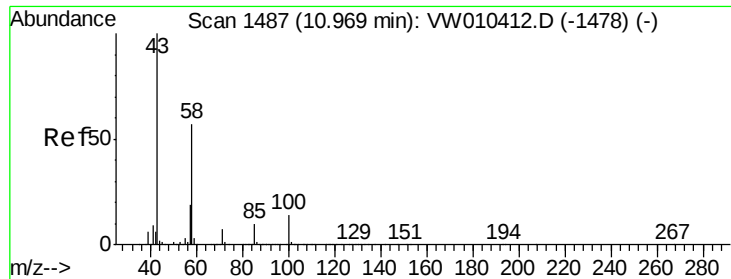
Tgt Ion: 63 Resp: 125672

Ion Ratio Lower Upper

63 100

106 30.5 24.5 36.7





#59

2-Hexanone

Concen: 21.868 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA\_W

ClientSampleId :

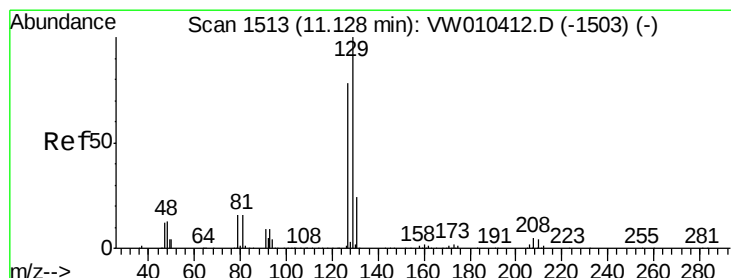
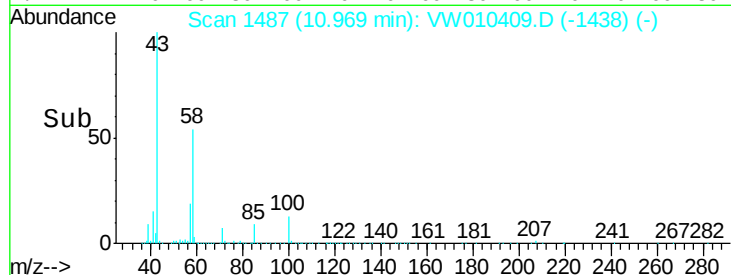
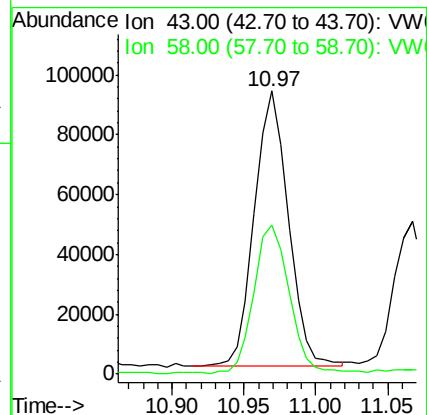
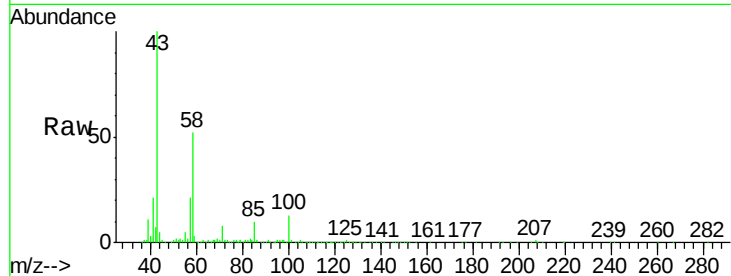
VSTDIC005

Tot Ion: 43 Resp: 150410

Ion Ratio Lower Upper

43 100

58 55.9 28.0 83.9



#60

Dibromochloromethane

Concen: 5.457 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW010409.D

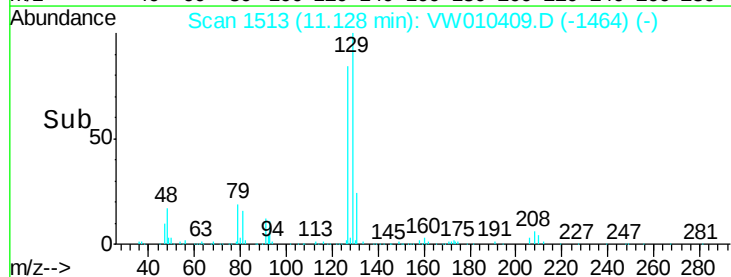
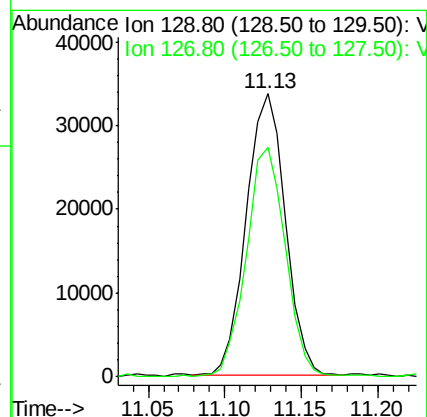
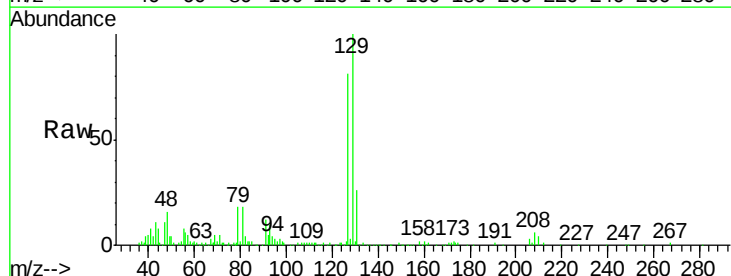
Acq: 16 May 2019 18:43

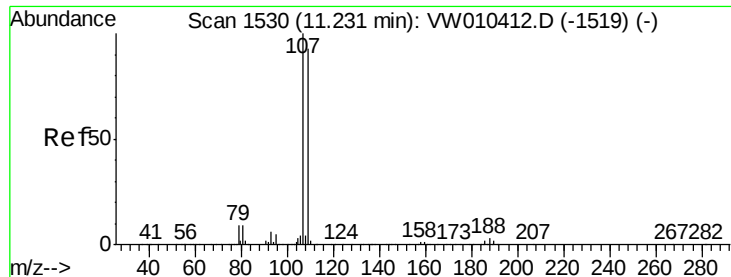
Tgt Ion: 129 Resp: 59493

Ion Ratio Lower Upper

129 100

127 82.6 39.3 117.9





#61

1,2-Dibromoethane

Concen: 5.190 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA\_W

ClientSampleId :

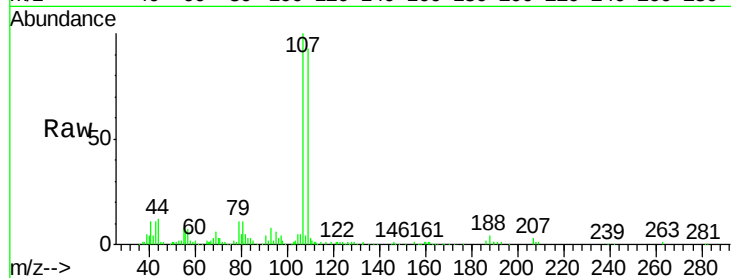
VSTDIC005

Tot Ion: 107 Resp: 49592

Ion Ratio Lower Upper

107 100

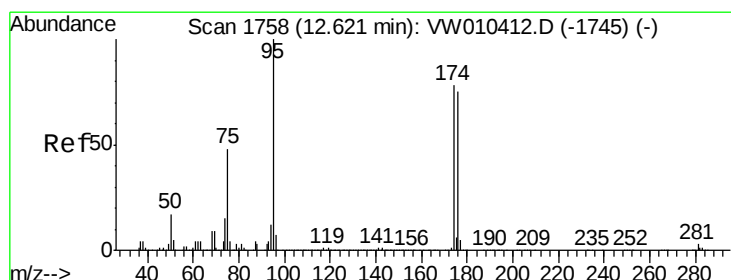
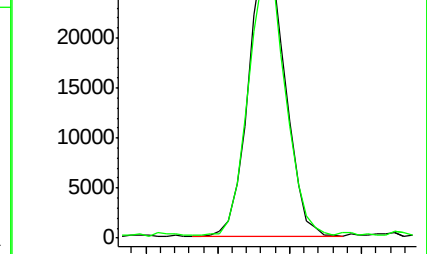
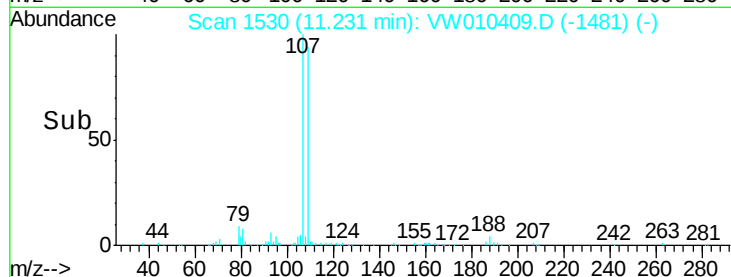
109 94.8 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23



#62

4-Bromofluorobenzene

Concen: 5.092 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

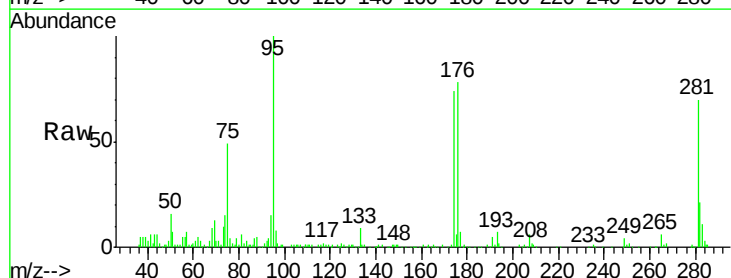
Tgt Ion: 95 Resp: 79012

Ion Ratio Lower Upper

95 100

174 76.0 0.0 150.2

176 76.0 0.0 144.6

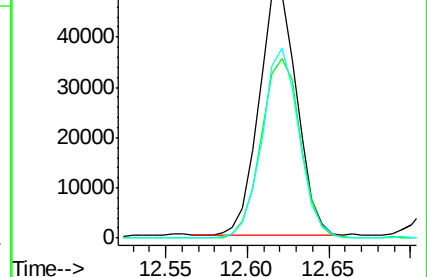
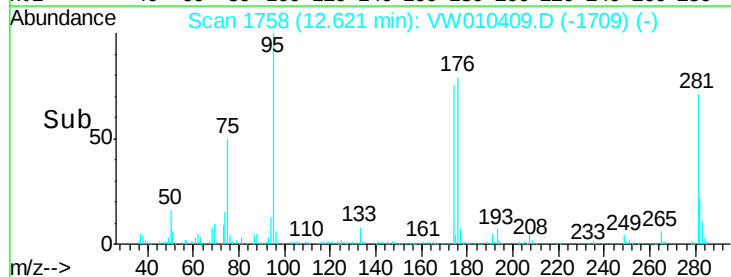


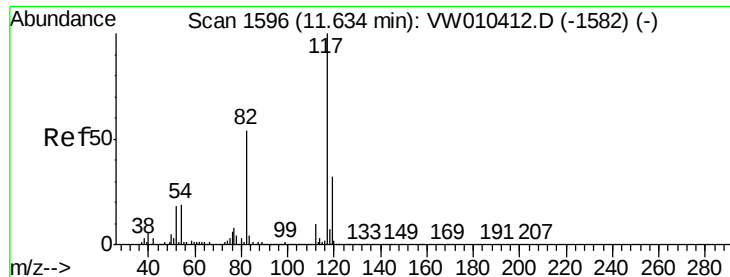
Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

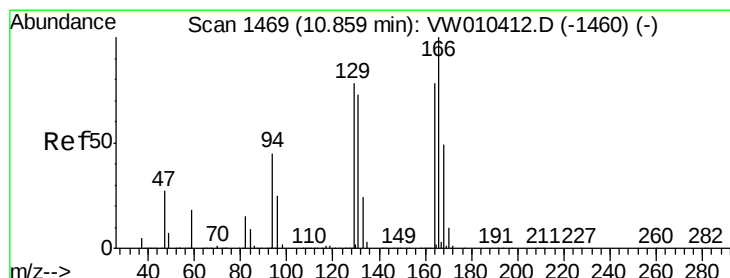
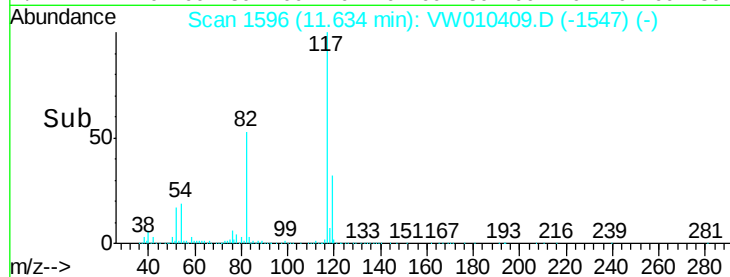
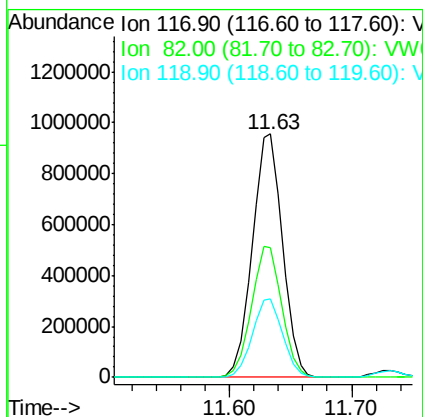
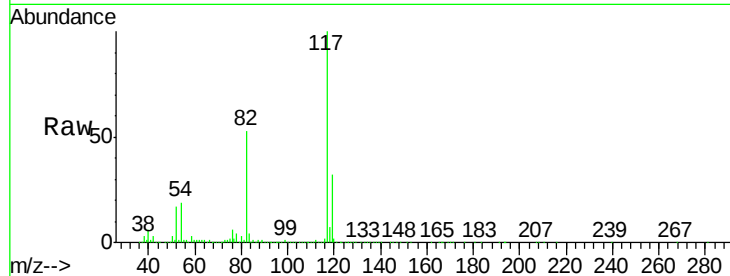




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW010409.D  
Acq: 16 May 2019 18:43

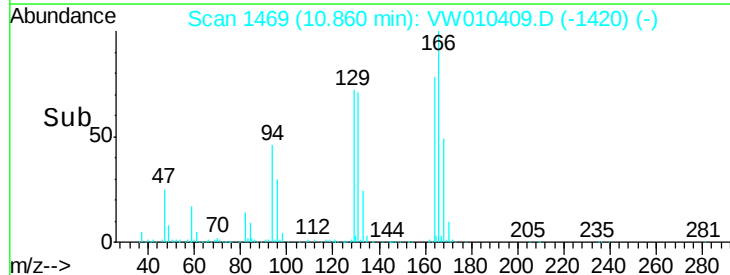
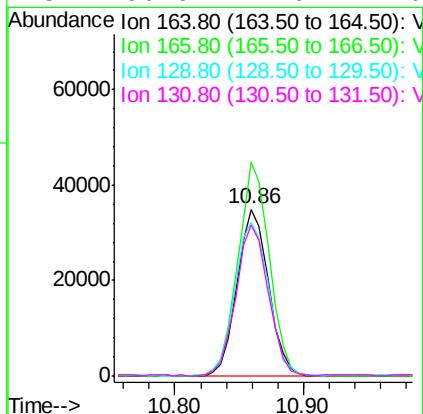
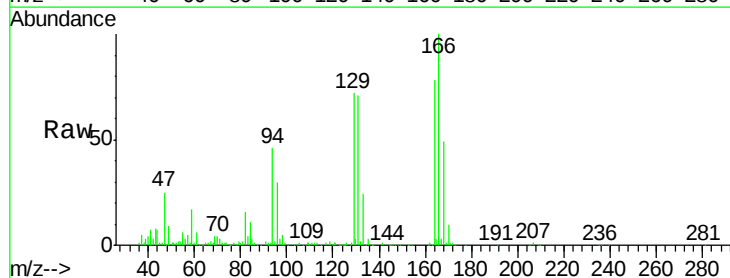
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

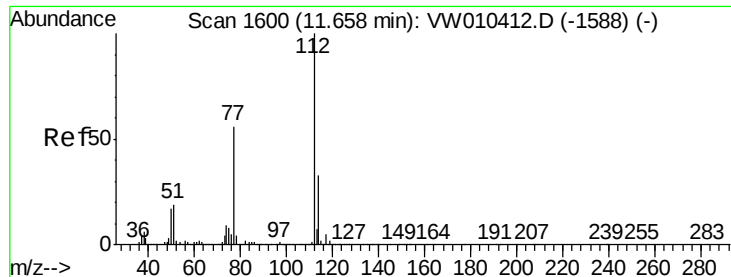
Tot Ion:117 Resp: 1643146  
Ion Ratio Lower Upper  
117 100  
82 53.3 43.0 64.6  
119 32.1 25.7 38.5



#64  
Tetrachloroethene  
Concen: 5.193 ug/l  
RT: 10.86 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VW010409.D  
Acq: 16 May 2019 18:43

Tgt Ion:164 Resp: 59187  
Ion Ratio Lower Upper  
164 100  
166 128.3 102.3 153.5  
129 91.7 79.6 119.4  
131 90.6 74.6 112.0

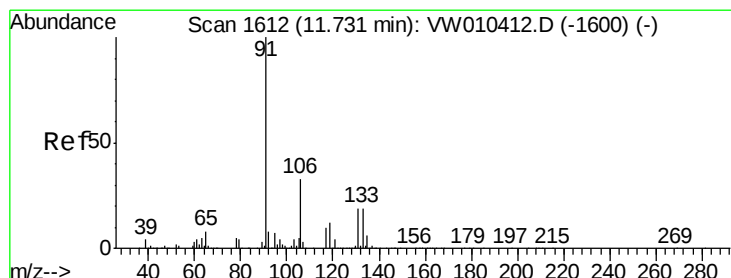
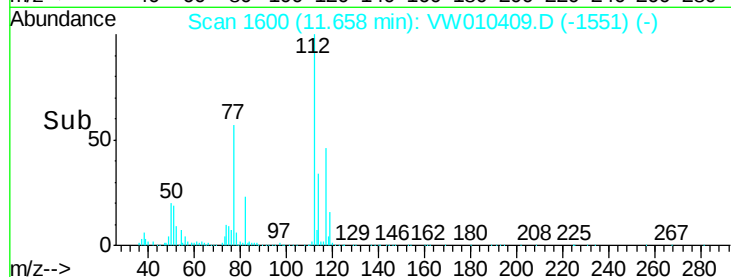
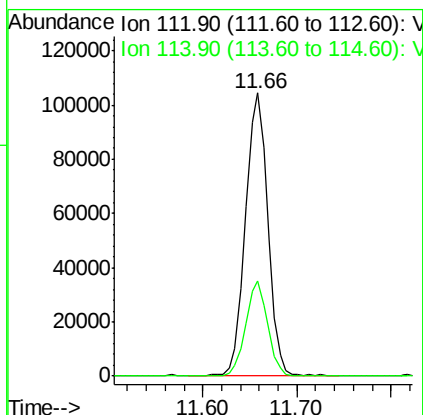
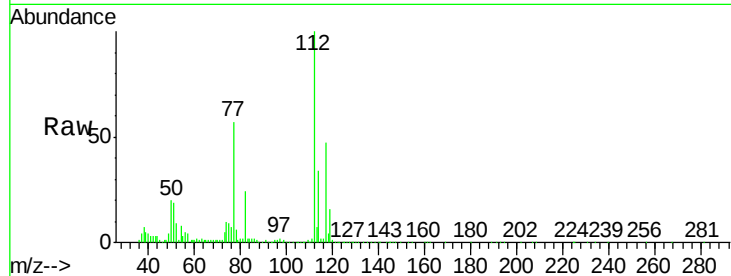




#65  
Chlorobenzene  
Concen: 5.099 ug/l  
RT: 11.66 min Scan# 1600  
Delta R.T. 0.00 min  
Lab File: VW010409.D  
Acq: 16 May 2019 18:43

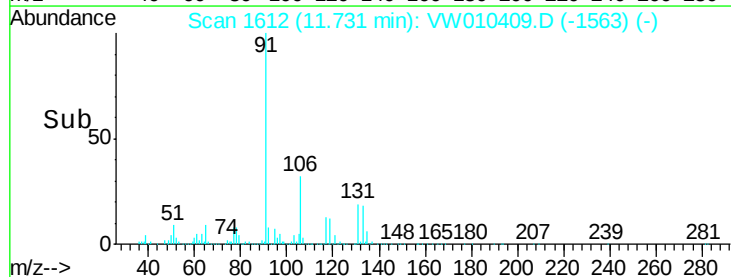
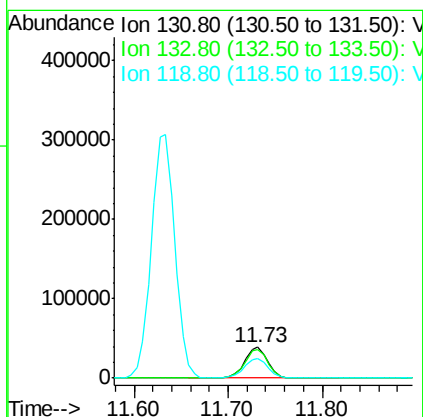
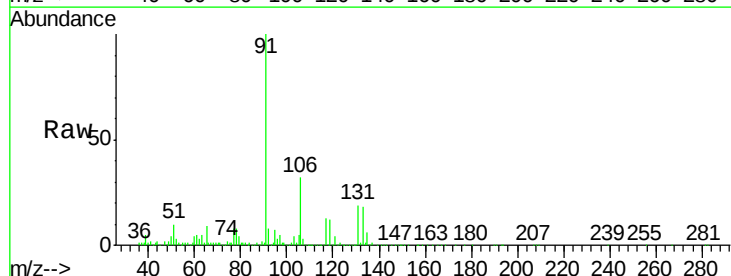
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

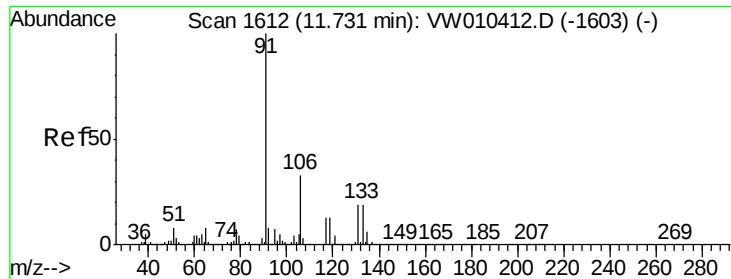
Tot Ion:112 Resp: 173133  
Ion Ratio Lower Upper  
112 100  
114 33.7 26.1 39.1



#66  
1,1,1,2-Tetrachloroethane  
Concen: 5.693 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW010409.D  
Acq: 16 May 2019 18:43

Tgt Ion:131 Resp: 66164  
Ion Ratio Lower Upper  
131 100  
133 92.6 48.0 144.0  
119 63.2 32.4 97.0

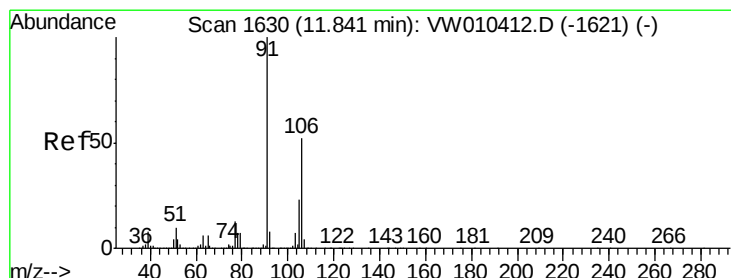
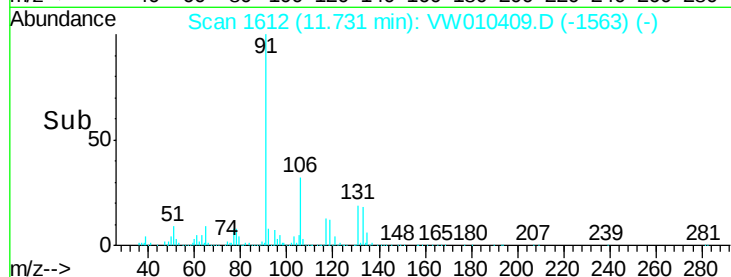
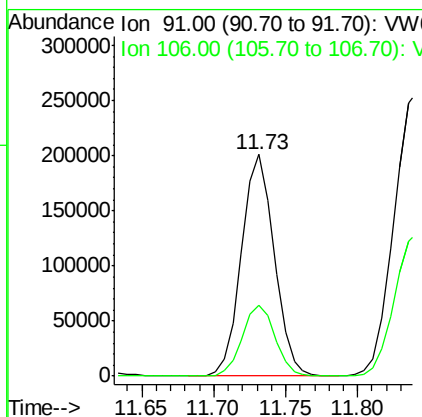
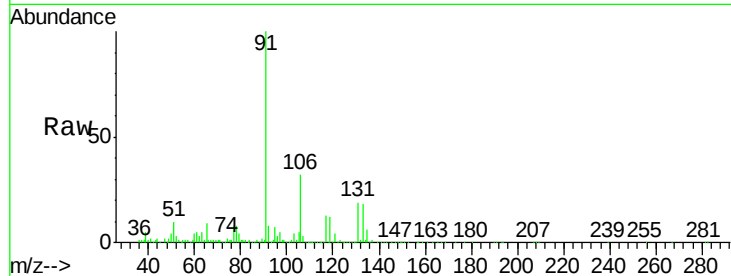




#67  
Ethyl Benzene  
Concen: 5.146 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW010409.D  
Acq: 16 May 2019 18:43

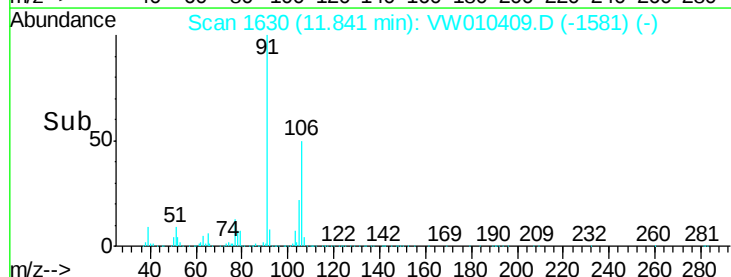
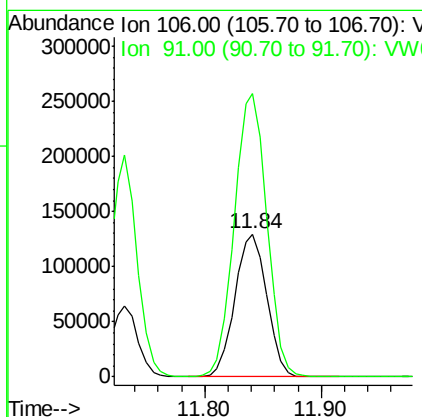
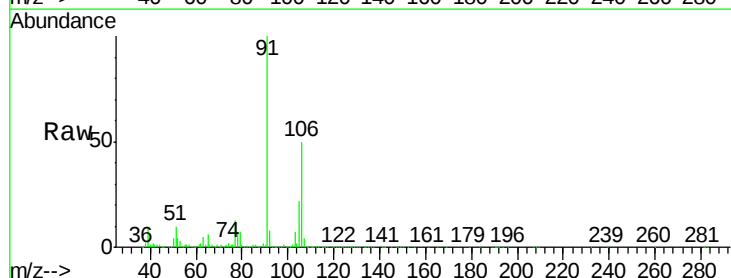
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

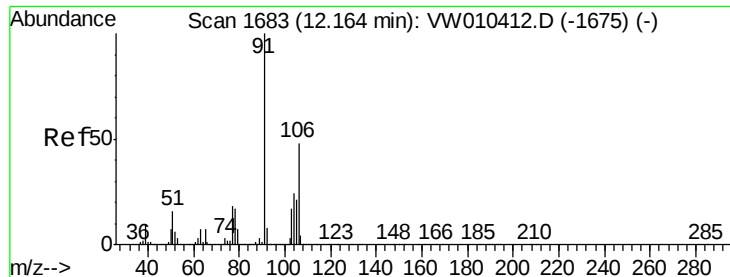
Tot Ion: 91 Resp: 316802  
Ion Ratio Lower Upper  
91 100  
106 32.1 26.0 39.0



#68  
m/p-Xylenes  
Concen: 10.692 ug/l  
RT: 11.84 min Scan# 1630  
Delta R.T. 0.00 min  
Lab File: VW010409.D  
Acq: 16 May 2019 18:43

Tgt Ion: 106 Resp: 246752  
Ion Ratio Lower Upper  
106 100  
91 200.3 156.2 234.2

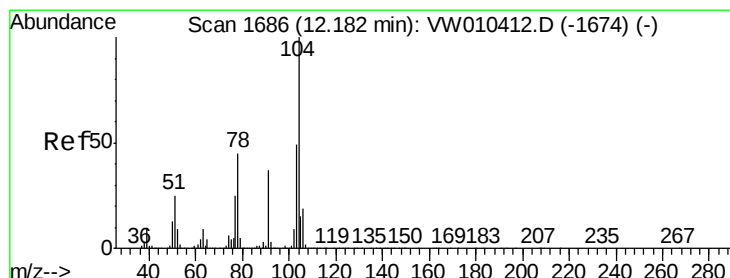
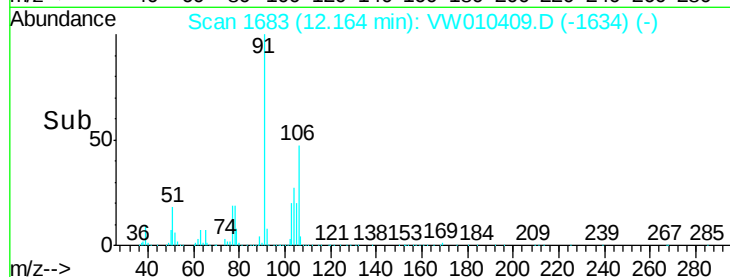
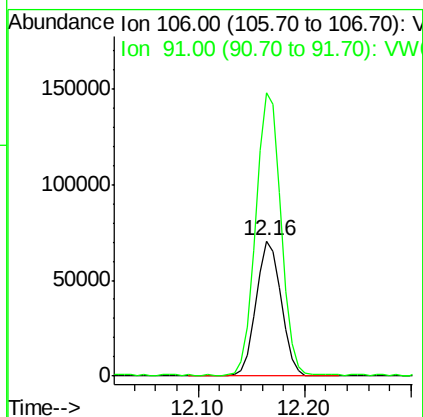
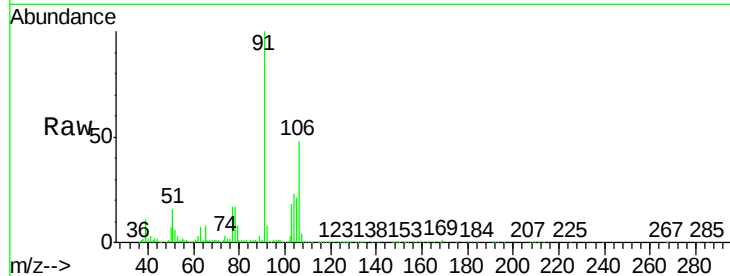




#69  
o-Xylene  
Concen: 5.514 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. 0.00 min  
Lab File: VW010409.D  
Acq: 16 May 2019 18:43

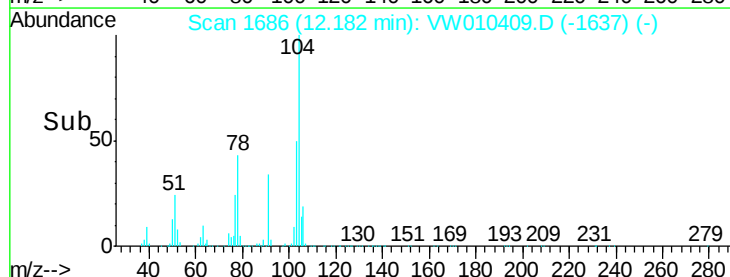
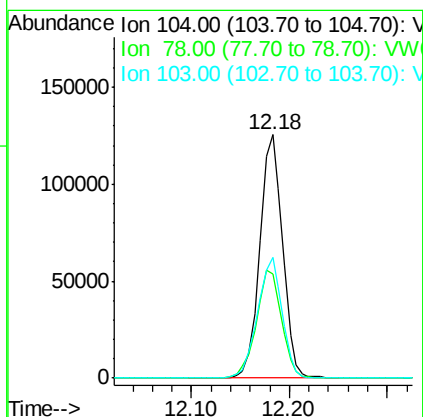
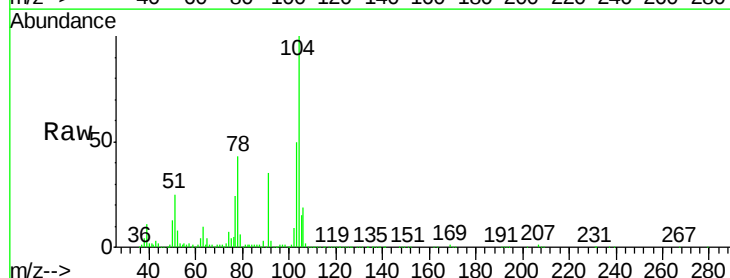
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

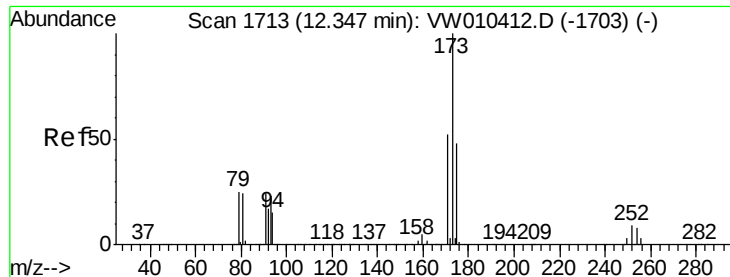
Tot Ion:106 Resp: 116222  
Ion Ratio Lower Upper  
106 100  
91 210.7 102.8 308.3



#70  
Styrene  
Concen: 5.512 ug/l  
RT: 12.18 min Scan# 1686  
Delta R.T. 0.00 min  
Lab File: VW010409.D  
Acq: 16 May 2019 18:43

Tgt Ion:104 Resp: 202141  
Ion Ratio Lower Upper  
104 100  
78 49.4 39.4 59.2  
103 53.5 42.6 64.0





#71

Bromoform

Concen: 5.261 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA\_W

ClientSampled :

VSTDIC005

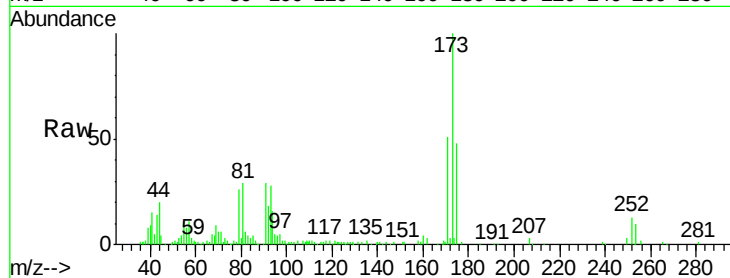
Tot Ion:173 Resp: 35377

Ion Ratio Lower Upper

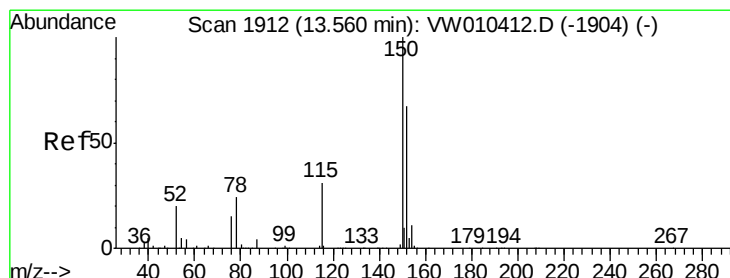
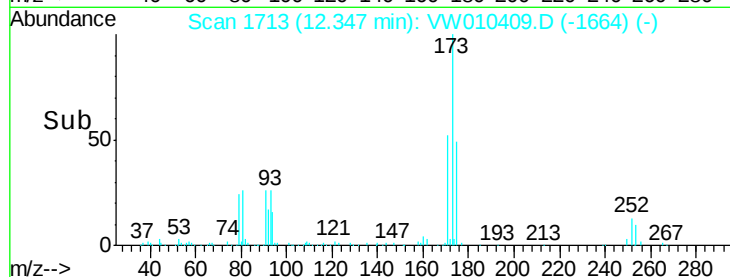
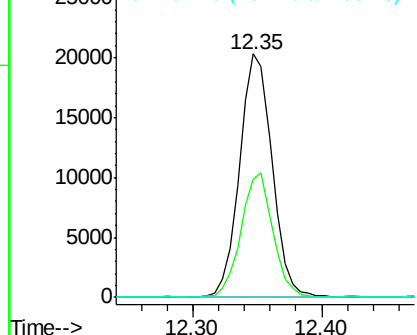
173 100

175 50.1 24.1 72.2

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

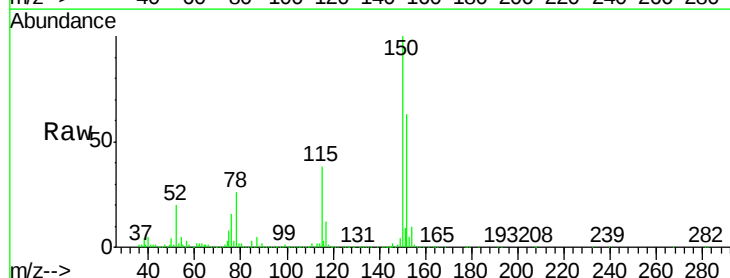
Tgt Ion:152 Resp: 798807

Ion Ratio Lower Upper

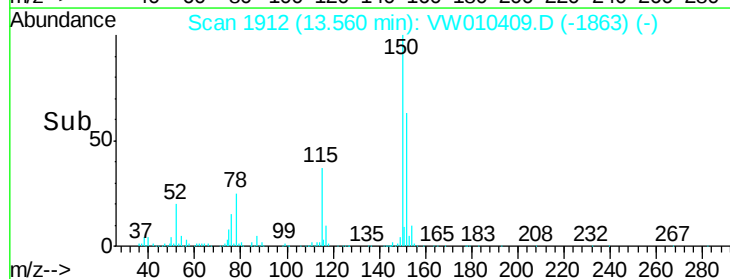
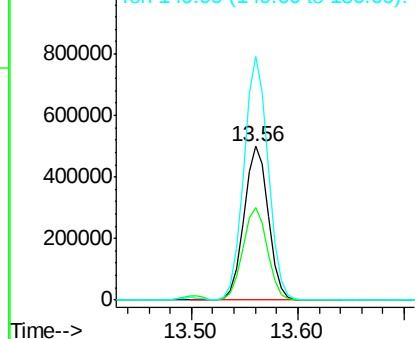
152 100

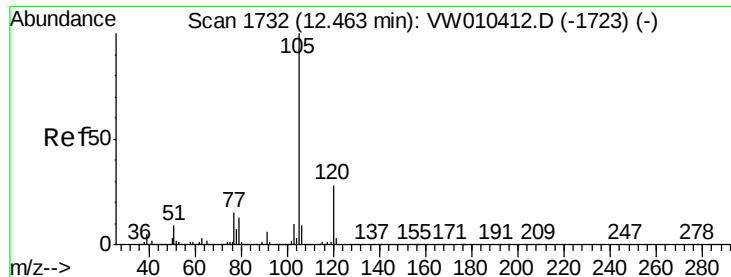
115 61.0 30.2 90.6

150 157.9 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: 5.451 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA\_W

ClientSampleId :

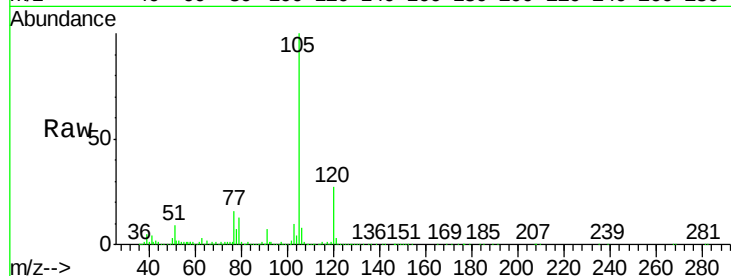
VSTDIC005

Tot Ion:105 Resp: 315630

Ion Ratio Lower Upper

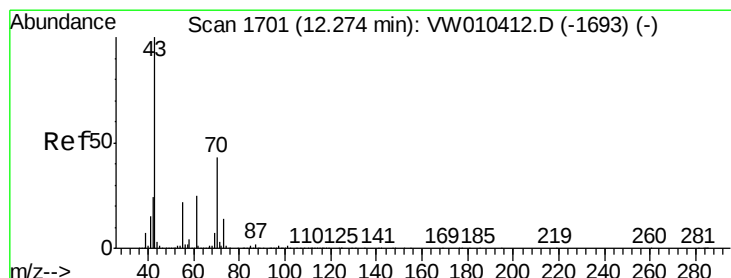
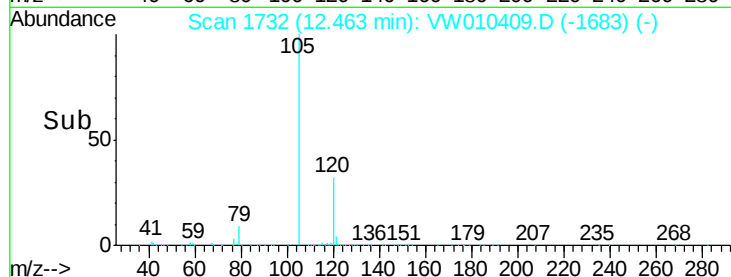
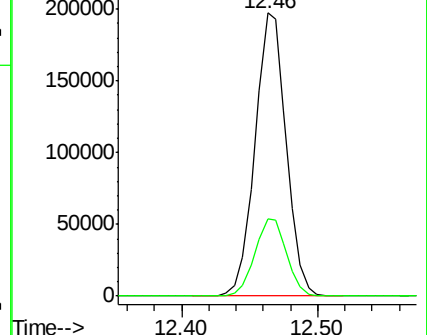
105 100

120 27.9 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 5.198 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Tgt Ion: 43 Resp: 79495

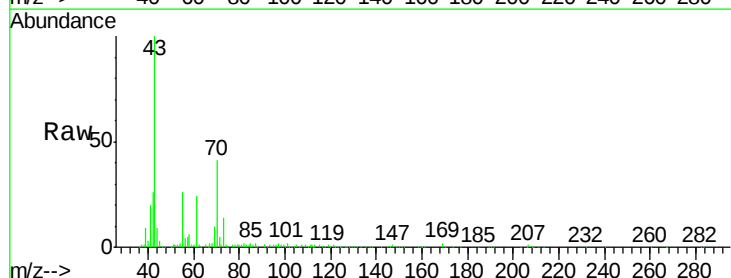
Ion Ratio Lower Upper

43 100

70 44.1 34.6 51.8

55 23.7 17.8 26.8

61 26.8 20.1 30.1

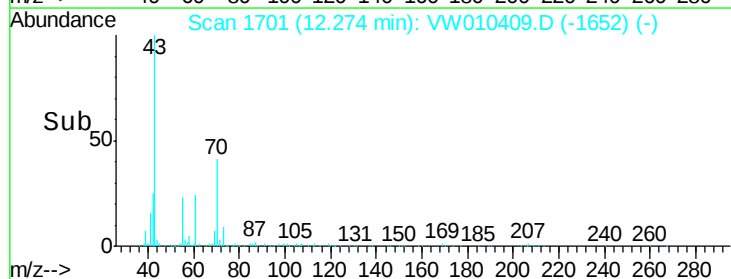
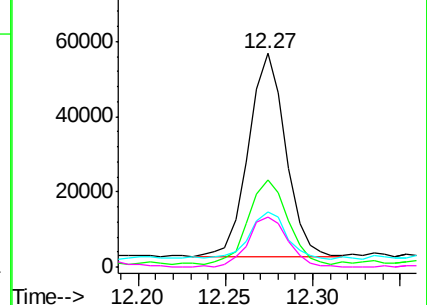


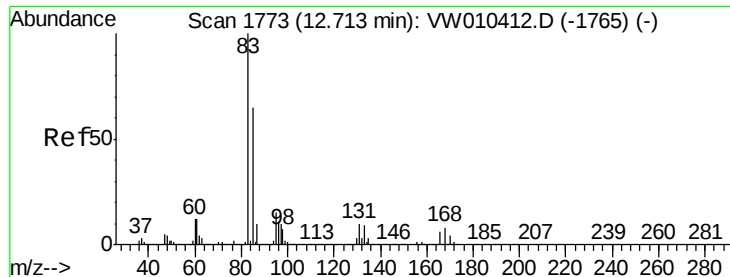
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 4.698 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA\_W

ClientSampled :

VSTDIC005

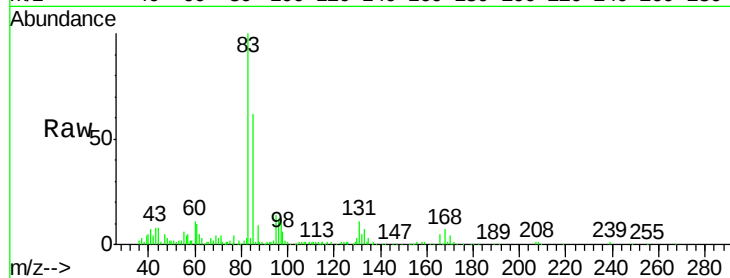
Tot Ion: 83 Resp: 59715

Ion Ratio Lower Upper

83 100

131 12.5 5.4 16.2

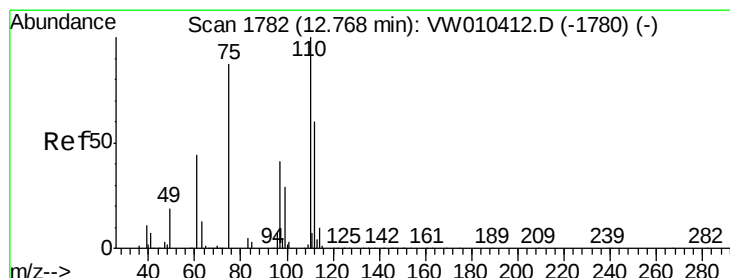
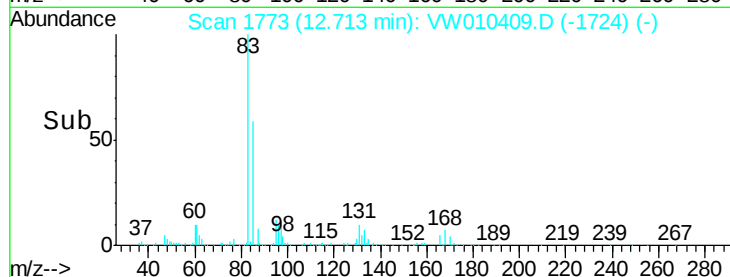
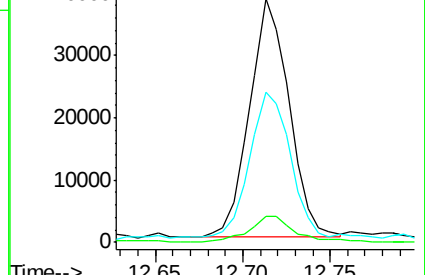
85 62.7 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 4.429 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010409.D

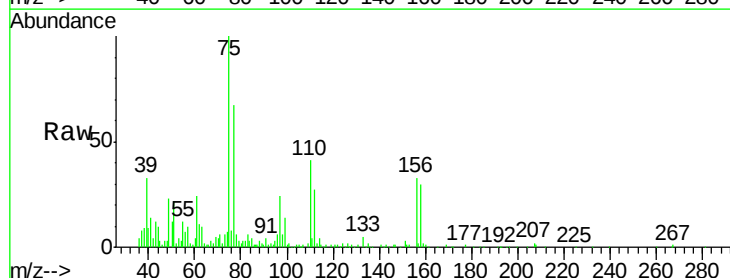
Acq: 16 May 2019 18:43

Tgt Ion: 75 Resp: 40482

Ion Ratio Lower Upper

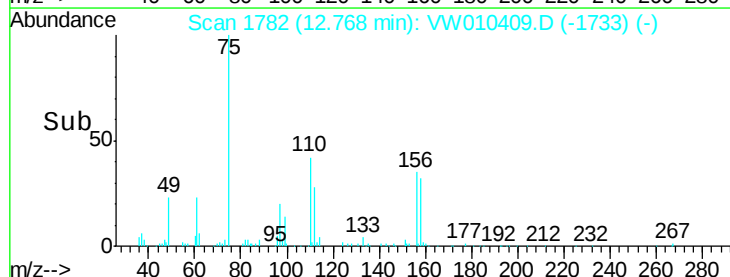
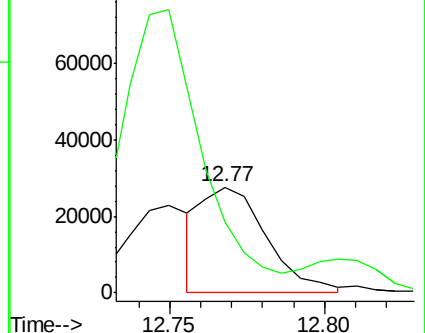
75 100

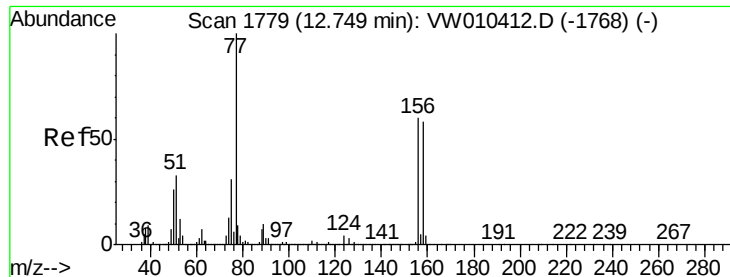
77 333.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 5.406 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

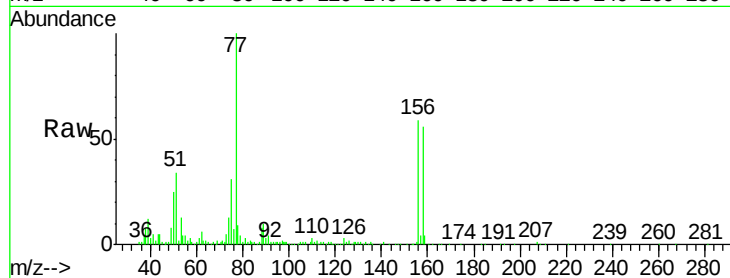
Tot Ion:156 Resp: 71747

Ion Ratio Lower Upper

156 100

77 188.1 95.4 286.2

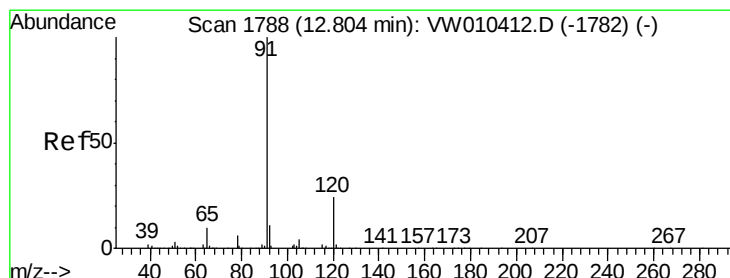
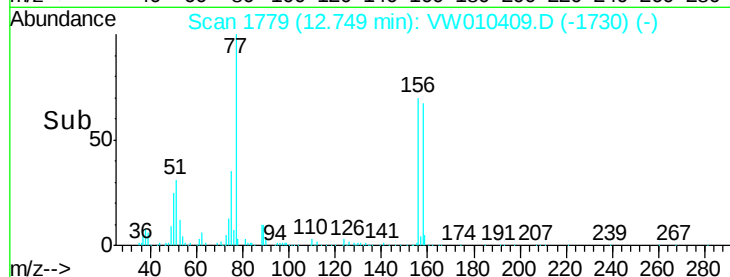
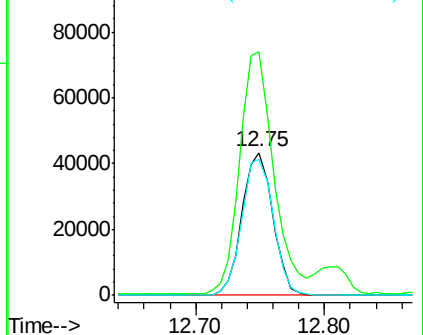
158 97.6 49.0 147.0



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: 5.203 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010409.D

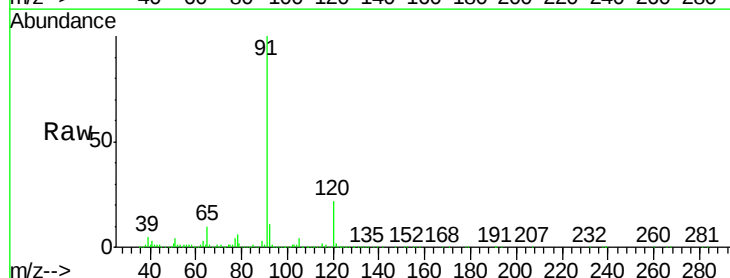
Acq: 16 May 2019 18:43

Tgt Ion: 91 Resp: 368592

Ion Ratio Lower Upper

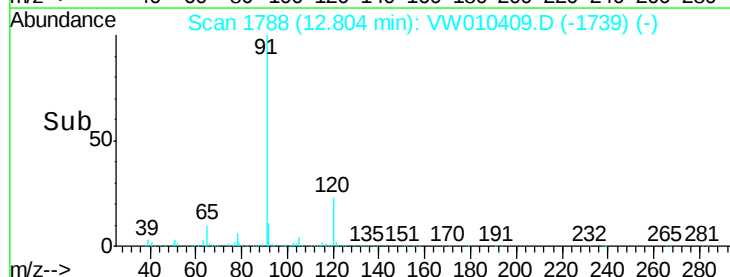
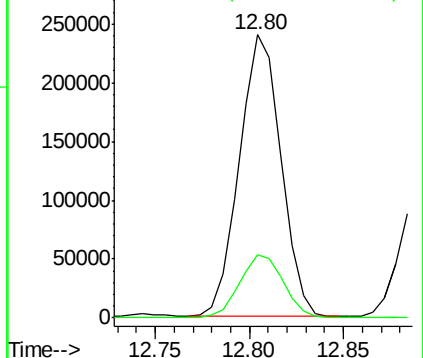
91 100

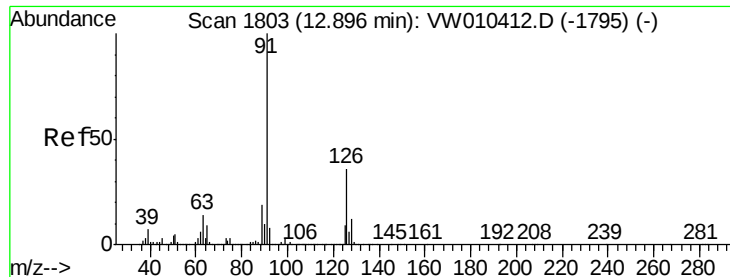
120 23.6 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

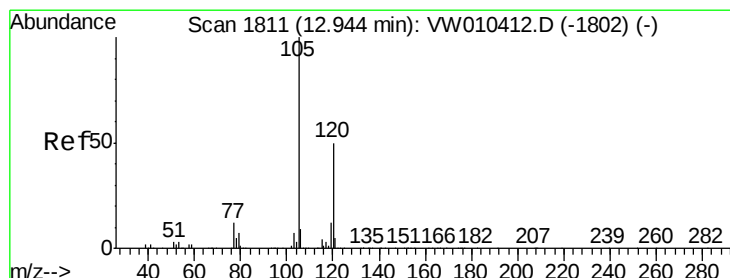
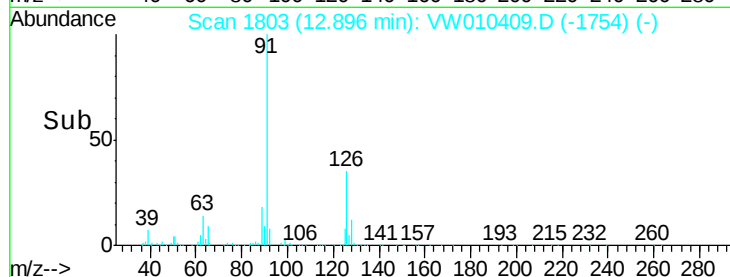
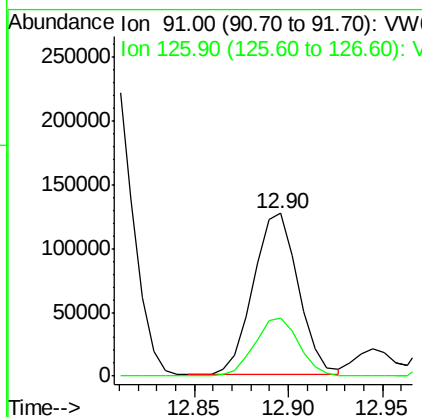
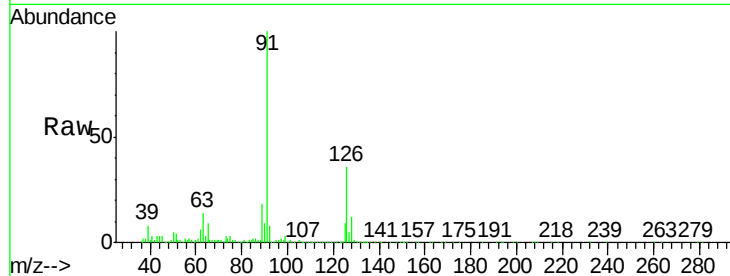




#79  
 2-Chlorotoluene  
 Concen: 5.161 ug/l  
 RT: 12.90 min Scan# 1803  
 Delta R.T. 0.00 min  
 Lab File: VW010409.D  
 Acq: 16 May 2019 18:43

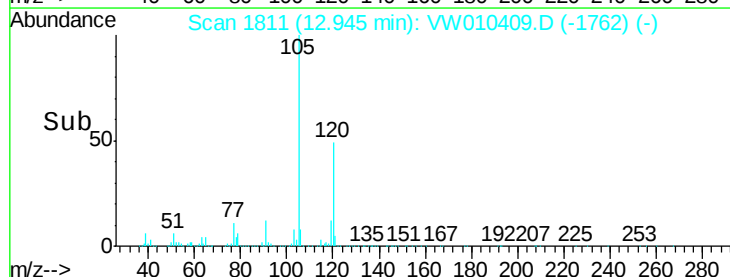
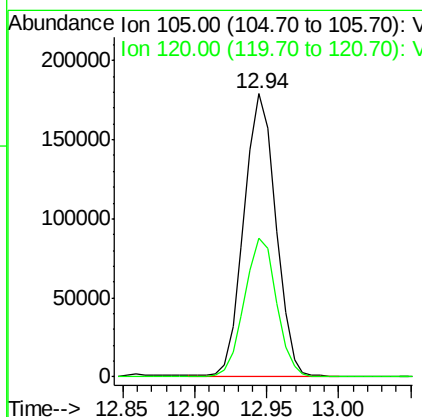
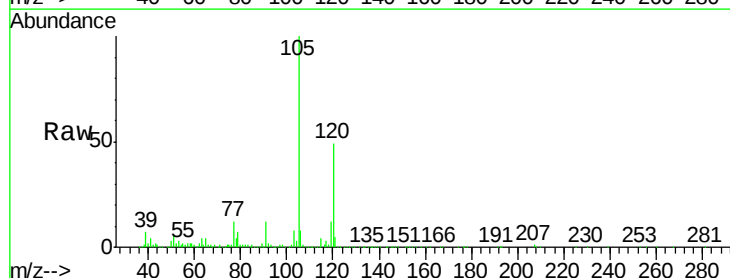
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

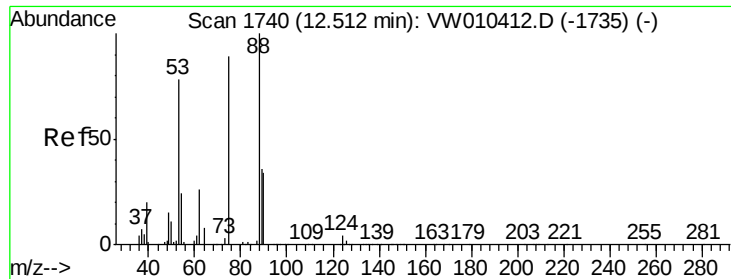
Tot Ion: 91 Resp: 210455  
 Ion Ratio Lower Upper  
 91 100  
 126 35.4 17.3 51.9



#80  
 1,3,5-Trimethylbenzene  
 Concen: 5.601 ug/l  
 RT: 12.94 min Scan# 1811  
 Delta R.T. 0.00 min  
 Lab File: VW010409.D  
 Acq: 16 May 2019 18:43

Tgt Ion: 105 Resp: 274223  
 Ion Ratio Lower Upper  
 105 100  
 120 49.5 24.9 74.6

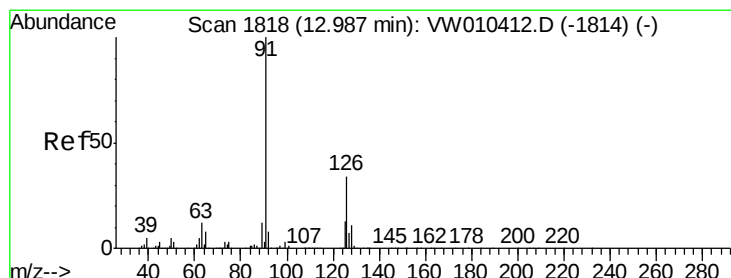
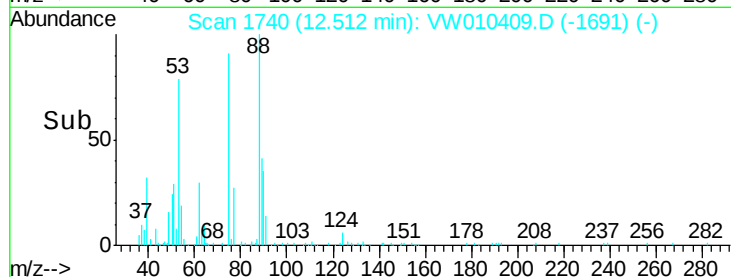
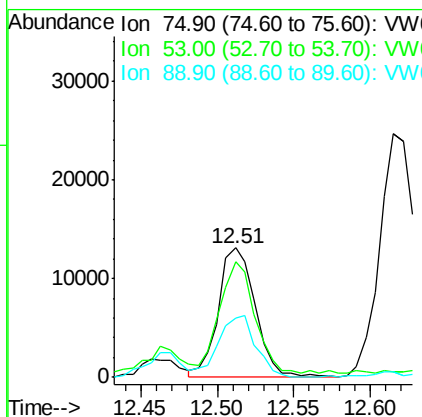
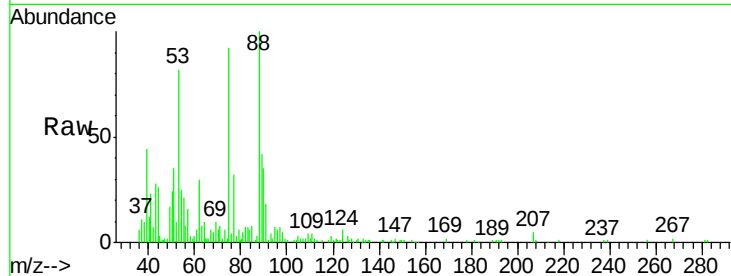




#81  
trans-1,4-Dichloro-2-butene  
Concen: 5.316 ug/l  
RT: 12.51 min Scan# 1740  
Delta R.T. 0.00 min  
Lab File: VW010409.D  
Acq: 16 May 2019 18:43

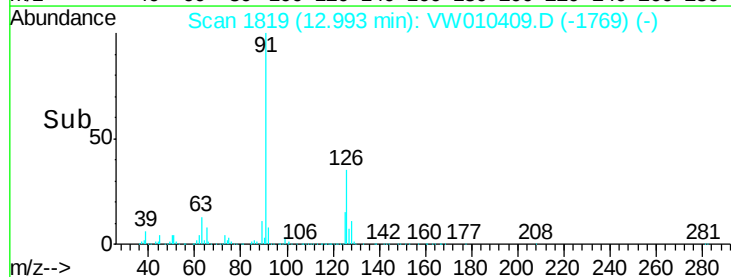
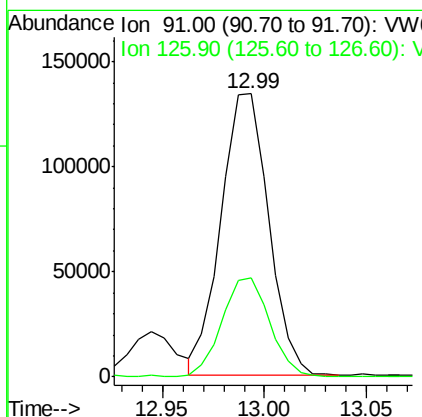
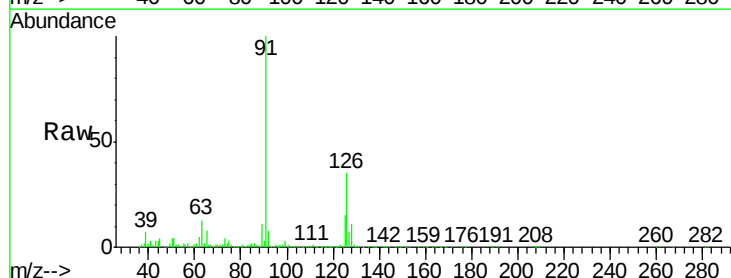
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

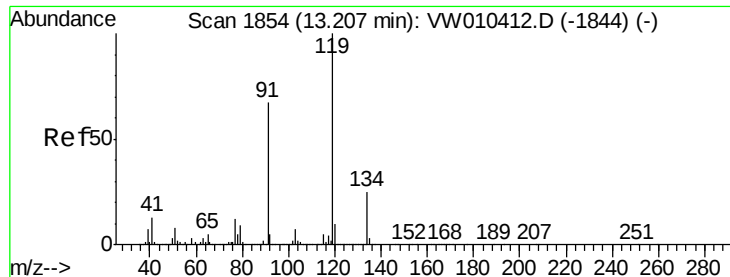
Tot Ion: 75 Resp: 21994  
Ion Ratio Lower Upper  
75 100  
53 80.4 71.0 106.6  
89 48.6 37.4 56.2



#82  
4-Chlorotoluene  
Concen: 5.084 ug/l  
RT: 12.99 min Scan# 1819  
Delta R.T. 0.01 min  
Lab File: VW010409.D  
Acq: 16 May 2019 18:43

Tgt Ion: 91 Resp: 216970  
Ion Ratio Lower Upper  
91 100  
126 35.3 17.2 51.6





#83

tert-Butylbenzene

Concen: 5.605 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

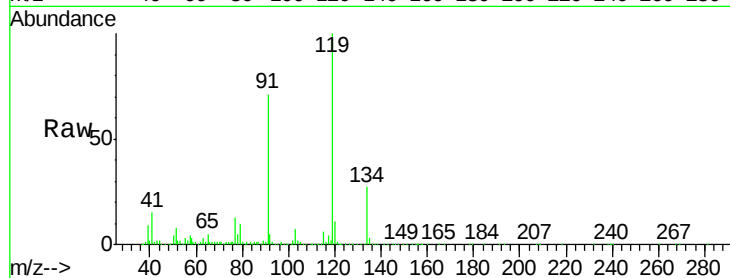
Tot Ion:119 Resp: 229740

Ion Ratio Lower Upper

119 100

91 67.9 33.8 101.4

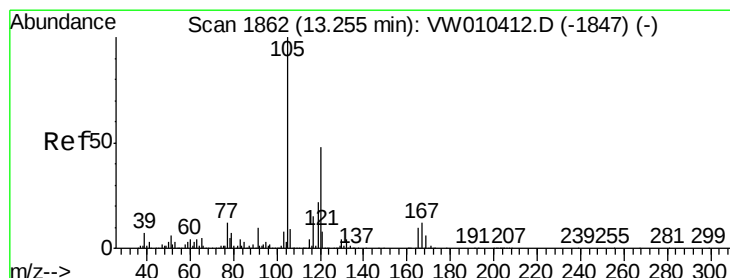
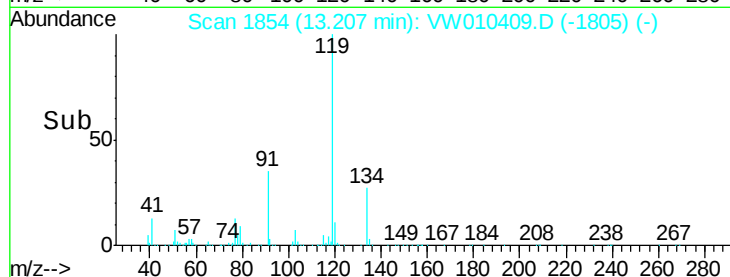
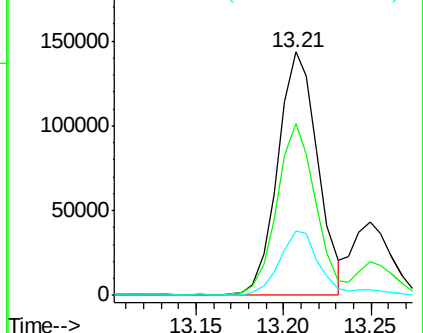
134 27.8 13.9 41.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 5.625 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW010409.D

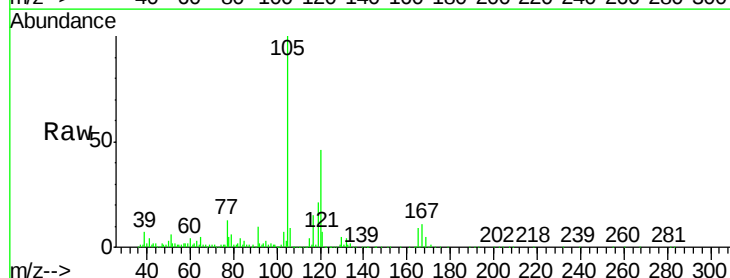
Acq: 16 May 2019 18:43

Tgt Ion:105 Resp: 274228

Ion Ratio Lower Upper

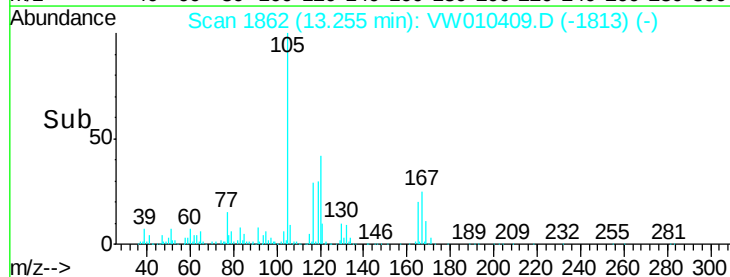
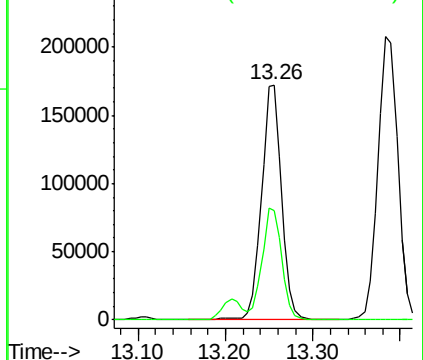
105 100

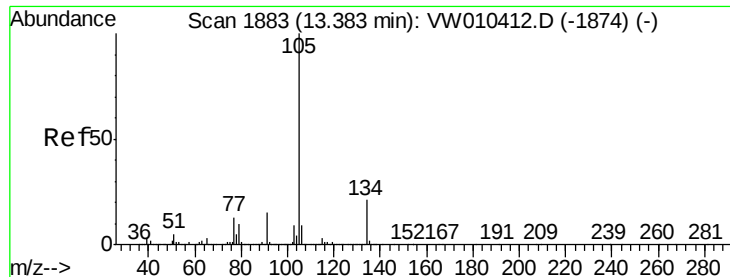
120 47.0 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 5.451 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA\_W

ClientSampleId :

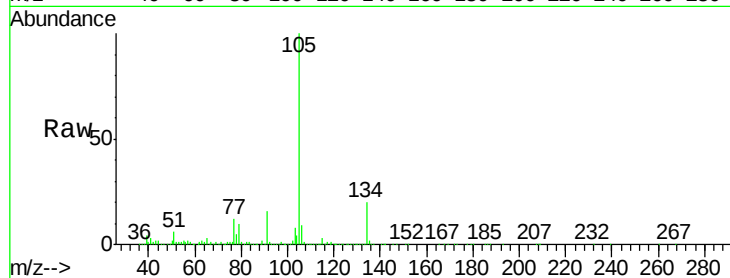
VSTDIC005

Tot Ion:105 Resp: 326861

Ion Ratio Lower Upper

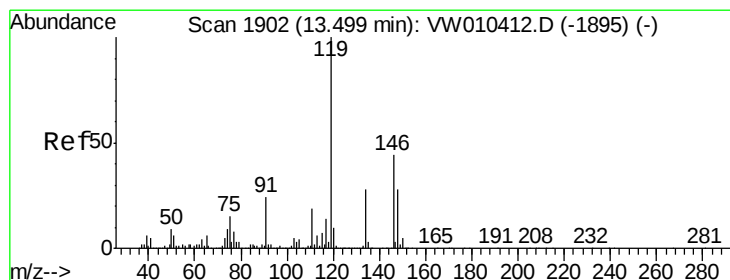
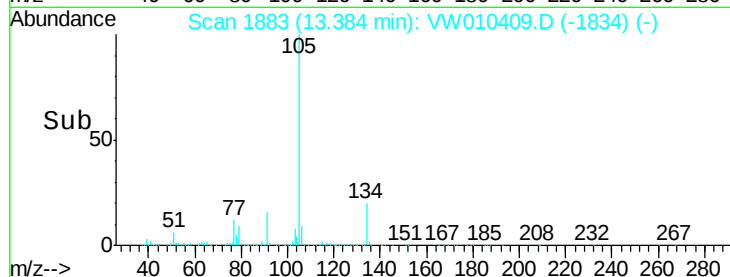
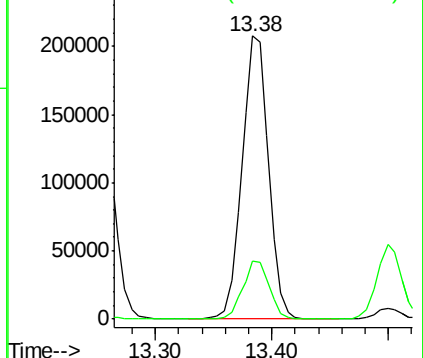
105 100

134 20.8 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.566 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

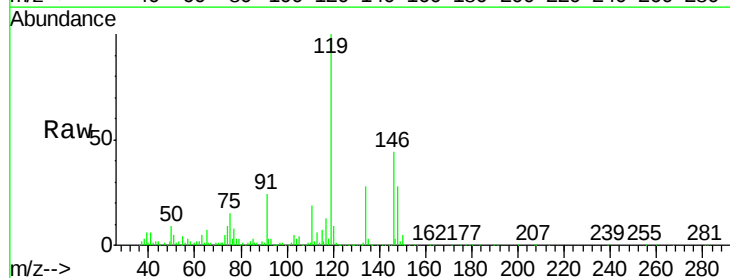
Tgt Ion:119 Resp: 296982

Ion Ratio Lower Upper

119 100

134 27.5 13.6 40.8

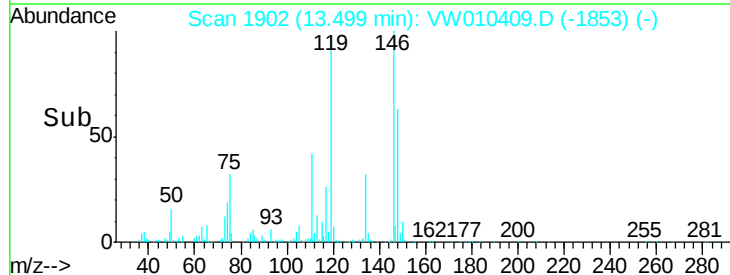
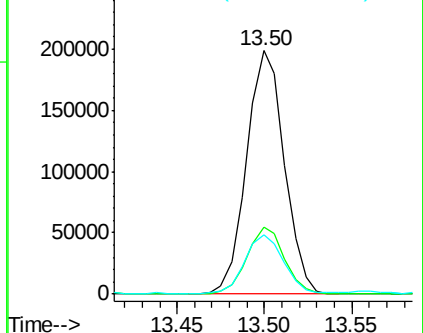
91 24.8 12.2 36.4

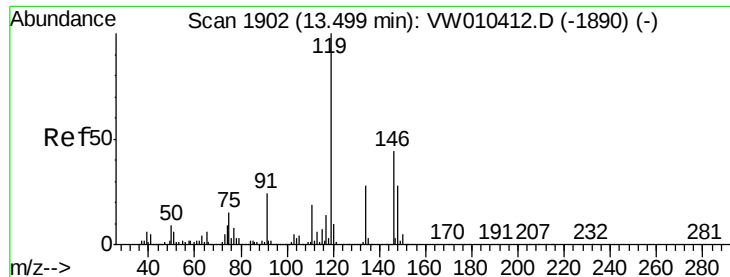


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 5.410 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

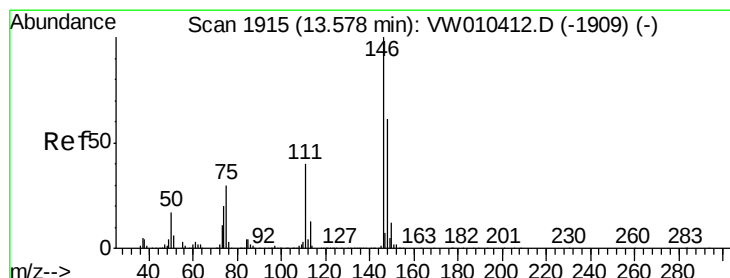
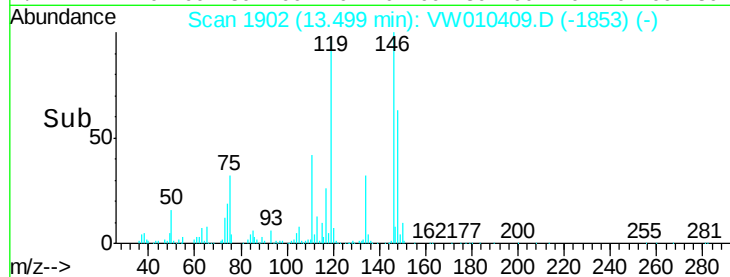
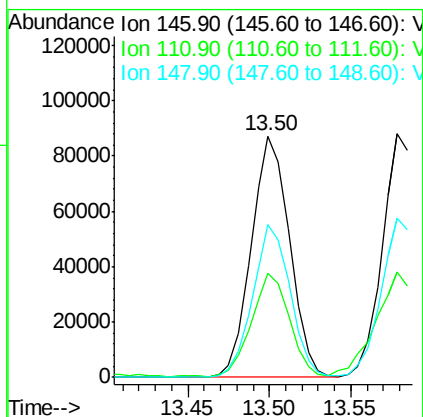
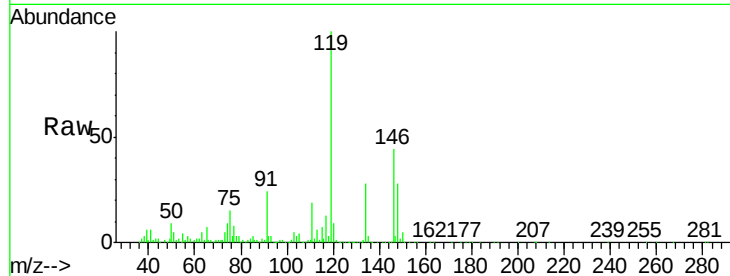
Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

Tot Ion:146 Resp: 142076

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 41.9  | 21.0  | 63.0  |
| 148 | 62.0  | 31.7  | 95.1  |



#88

1,4-Dichlorobenzene

Concen: 5.344 ug/l

RT: 13.58 min Scan# 1915

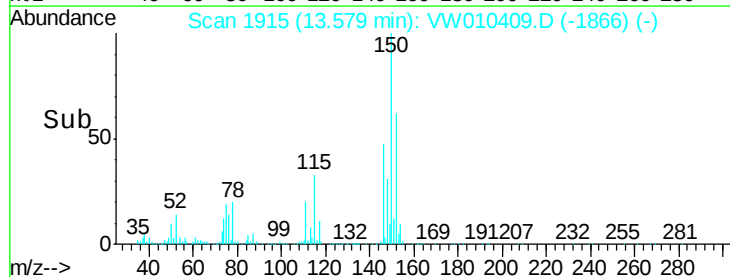
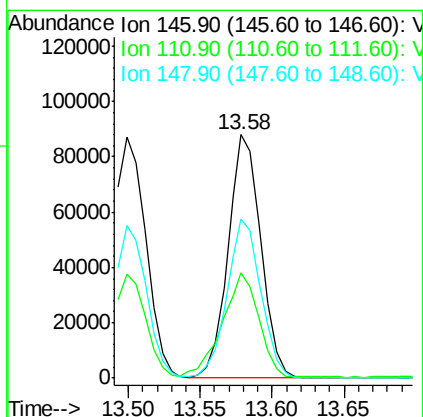
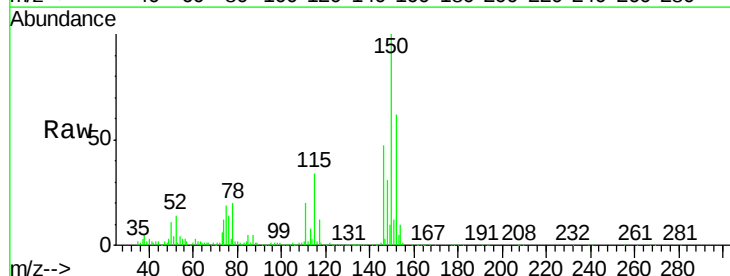
Delta R.T. 0.00 min

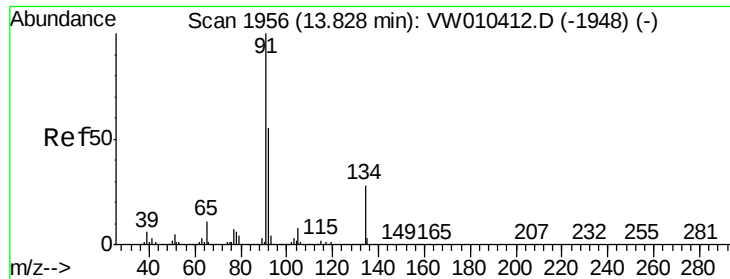
Lab File: VW010409.D

Acq: 16 May 2019 18:43

Tgt Ion:146 Resp: 139934

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 47.4  | 20.2  | 60.5  |
| 148 | 67.6  | 31.6  | 94.7  |





#89

n-Butylbenzene

Concen: 5.353 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

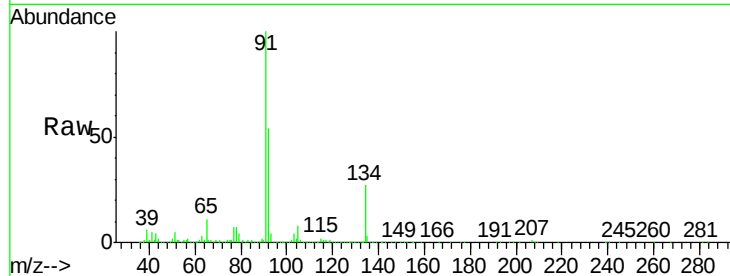
Tot Ion: 91 Resp: 284309

Ion Ratio Lower Upper

91 100

92 54.0 27.9 83.6

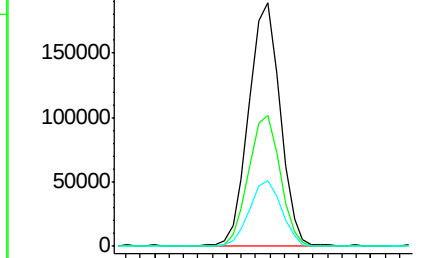
134 27.7 13.8 41.4



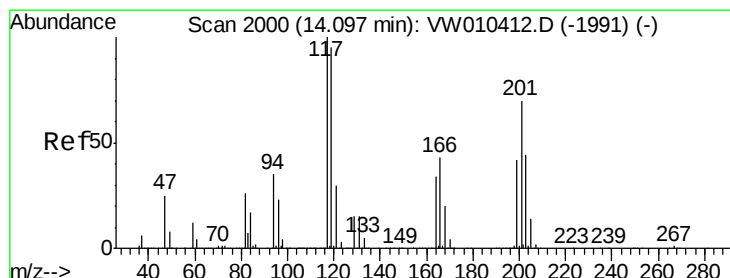
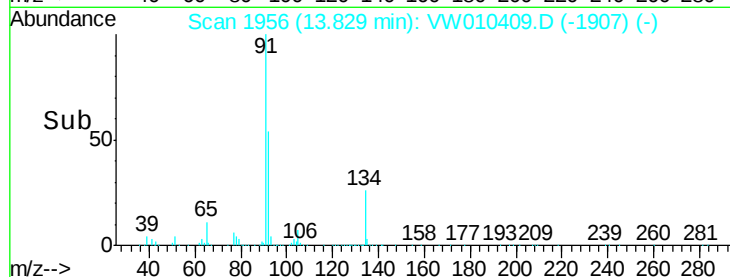
Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): VW



Time-->



#90

Hexachloroethane

Concen: 5.688 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW010409.D

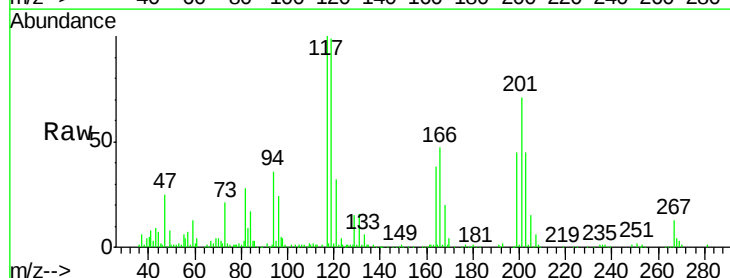
Acq: 16 May 2019 18:43

Tgt Ion: 117 Resp: 57584

Ion Ratio Lower Upper

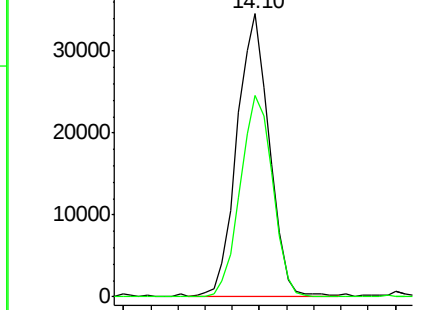
117 100

201 71.0 34.8 104.5

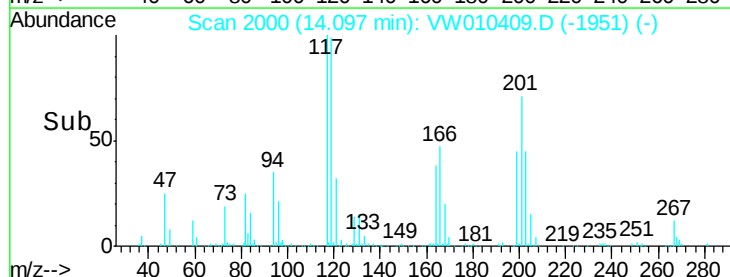


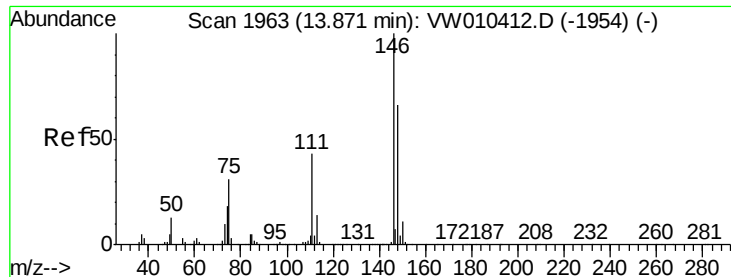
Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



Time-->

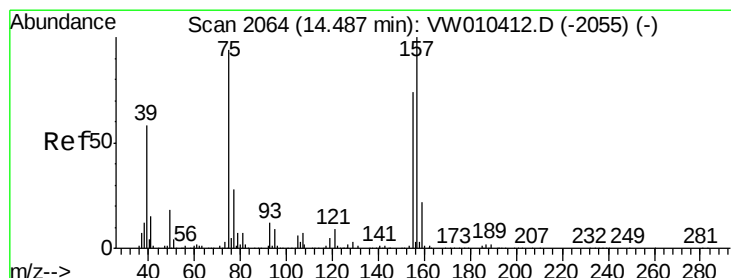
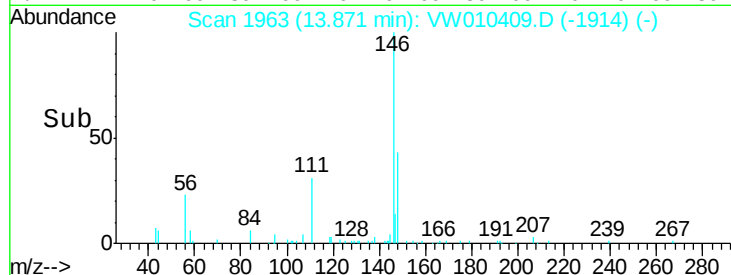
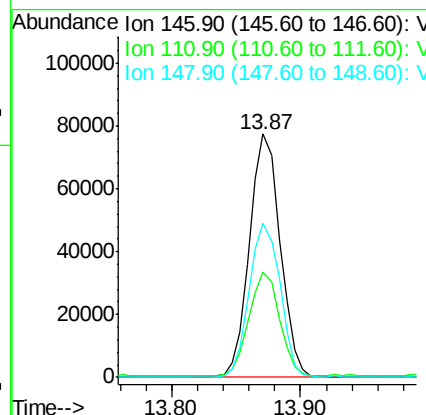
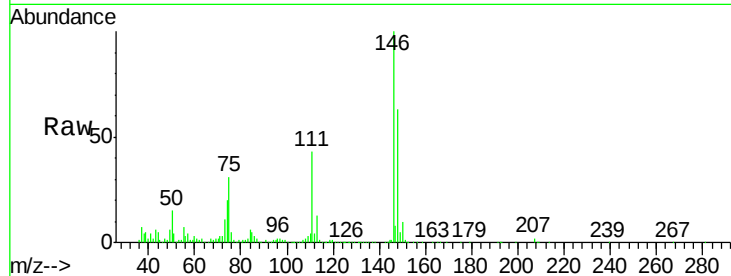




#91  
 1,2-Dichlorobenzene  
 Concen: 5.447 ug/l  
 RT: 13.87 min Scan# 1963  
 Delta R.T. 0.00 min  
 Lab File: VW010409.D  
 Acq: 16 May 2019 18:43

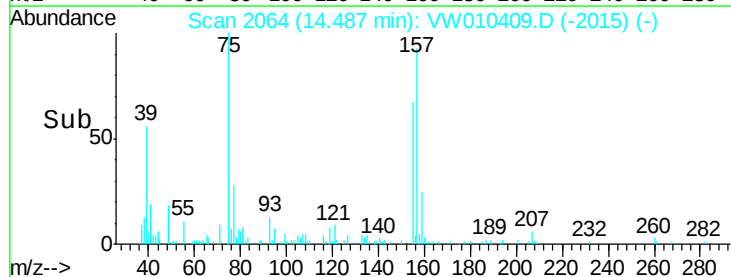
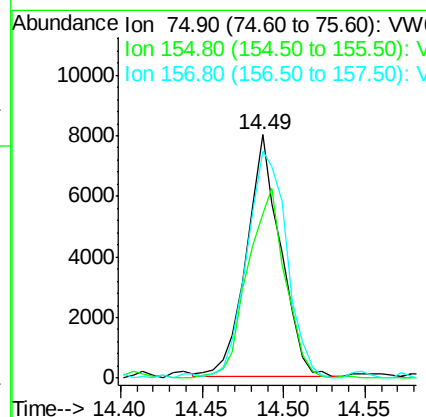
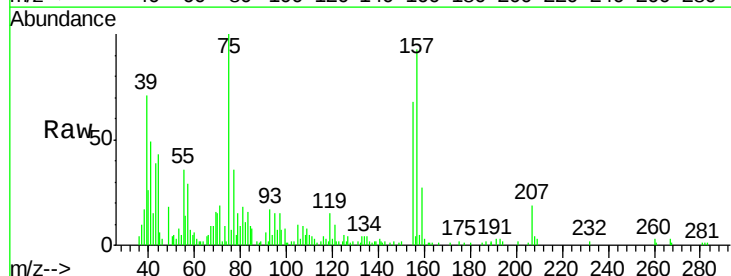
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

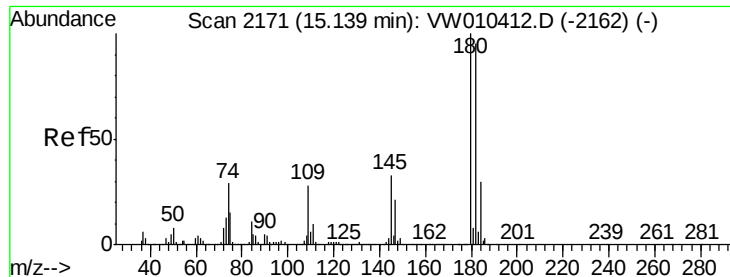
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.4  | 21.4  | 64.3  |
| 148     | 63.7  | 32.4  | 97.0  |



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 5.002 ug/l  
 RT: 14.49 min Scan# 2064  
 Delta R.T. 0.00 min  
 Lab File: VW010409.D  
 Acq: 16 May 2019 18:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 86.9  | 43.6  | 130.9 |
| 157     | 111.1 | 56.9  | 170.7 |

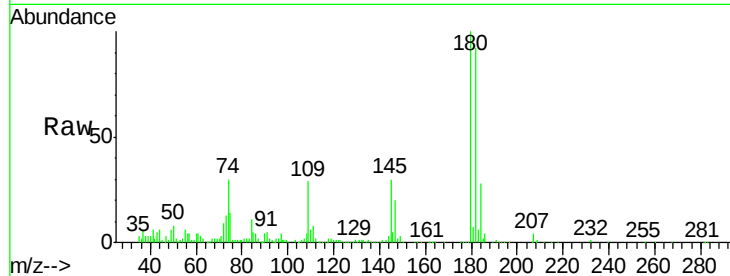




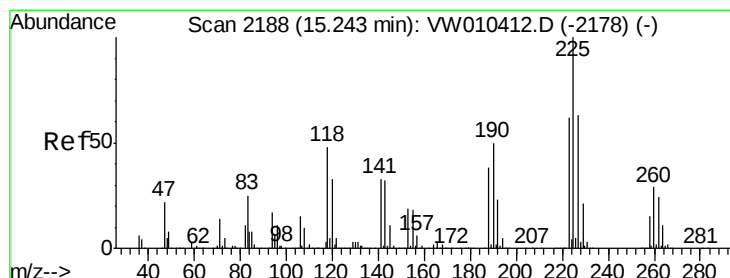
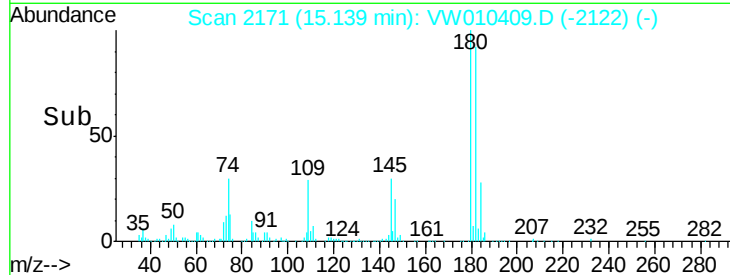
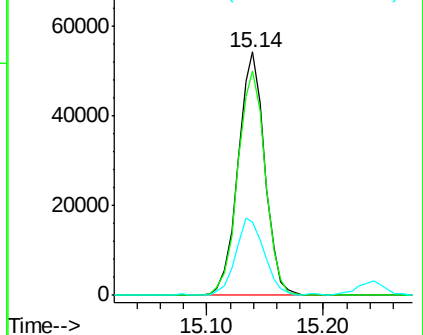
#93  
 1,2,4-Trichlorobenzene  
 Concen: 5.441 ug/l  
 RT: 15.14 min Scan# 2171  
 Delta R.T. 0.00 min  
 Lab File: VW010409.D  
 Acq: 16 May 2019 18:43

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

Tot Ion:180 Resp: 86639  
 Ion Ratio Lower Upper  
 180 100  
 182 95.0 48.2 144.6  
 145 33.5 16.8 50.3

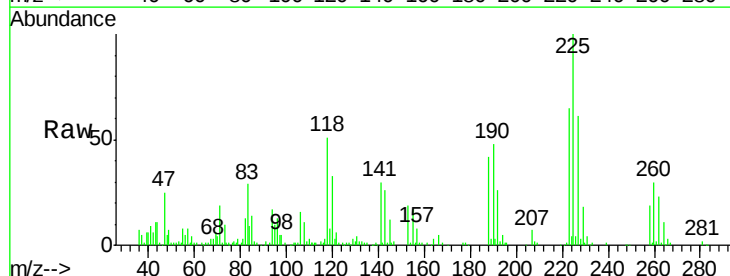


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

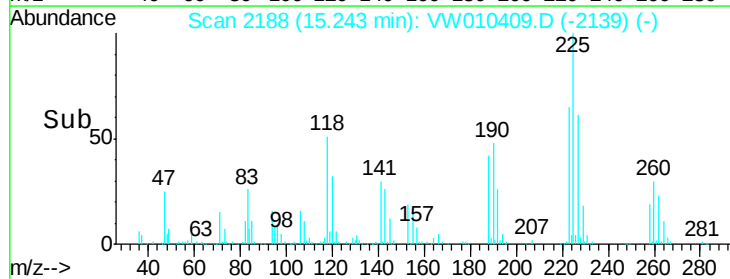
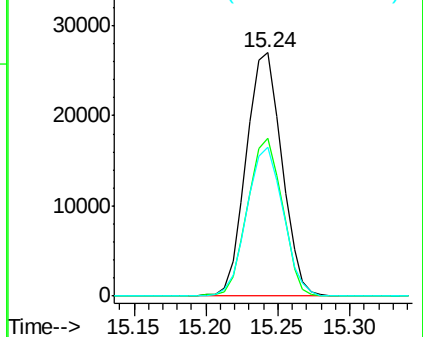


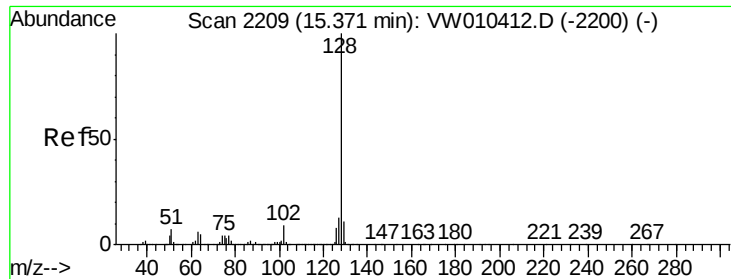
#94  
 Hexachlorobutadiene  
 Concen: 4.694 ug/l  
 RT: 15.24 min Scan# 2188  
 Delta R.T. 0.00 min  
 Lab File: VW010409.D  
 Acq: 16 May 2019 18:43

Tgt Ion:225 Resp: 46400  
 Ion Ratio Lower Upper  
 225 100  
 223 63.2 31.8 95.3  
 227 61.9 31.6 95.0



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: 5.683 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

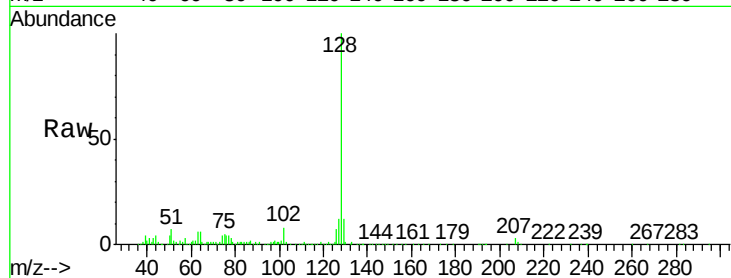
Tot Ion:128 Resp: 188386

Ion Ratio Lower Upper

128 100

127 13.4 10.2 15.4

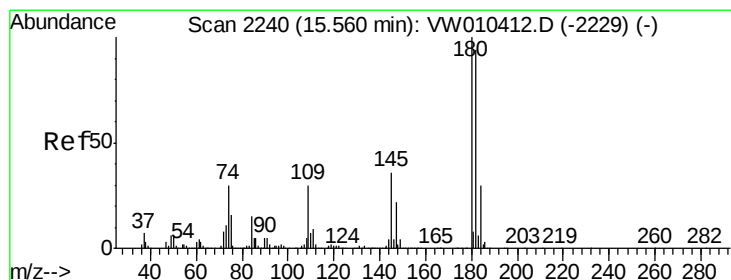
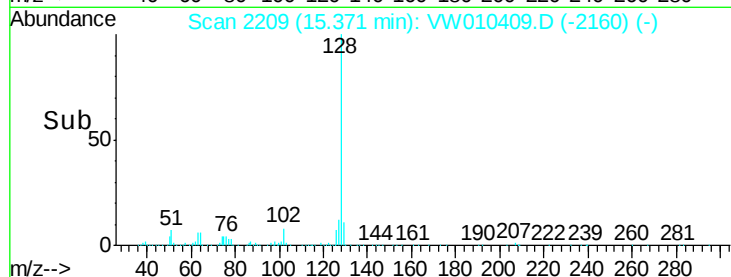
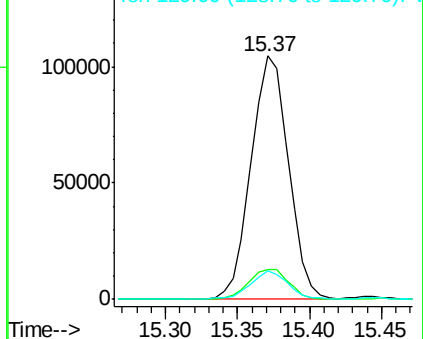
129 11.5 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 5.348 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

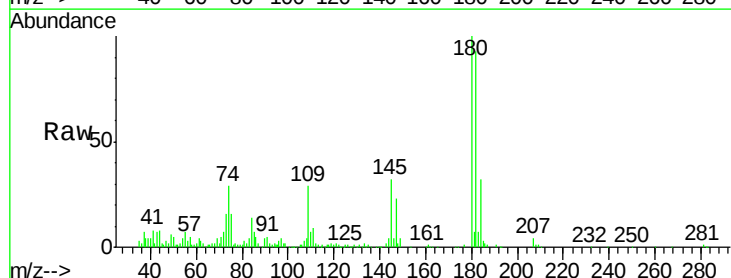
Tgt Ion:180 Resp: 77153

Ion Ratio Lower Upper

180 100

182 93.5 47.3 141.9

145 35.4 17.6 52.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

