

Data File : VW002525.D

Acq On : 14 May 2018 21:16

Operator : JC/SY

Sample : VSTDIC010

Misc : 5.00G/5ML/MSVOA\_W/SOIL

ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC010

Quant Time: May 15 02:24:22 2018

Quant Method : W:\HPCHEM1\MSVOA\_W\METHOD\82W051518S.M

Quant Title : SW846 8260

QLast Update : Tue May 15 02:22:37 2018

Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 232270   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 347098   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.64 | 117  | 321944   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 176997   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |      |        |      |
|---------------------------|--------|-----|----------|------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 23722    | 9.69 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 19.38% |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 21311    | 9.64 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 19.28% |      |
| 50) Toluene-d8            | 10.33  | 98  | 80620    | 9.54 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 19.08% |      |
| 62) 4-Bromofluorobenzene  | 12.63  | 95  | 28627    | 9.37 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 18.74% |      |

## Target Compounds

|                               |      |     |        |       |      | Qvalue |
|-------------------------------|------|-----|--------|-------|------|--------|
| 2) Dichlorodifluoromethane    | 2.00 | 85  | 7662   | 8.78  | ug/l | 90     |
| 3) Chloromethane              | 2.21 | 50  | 17848  | 10.17 | ug/l | 96     |
| 4) Vinyl Chloride             | 2.36 | 62  | 26459  | 9.19  | ug/l | 96     |
| 5) Bromomethane               | 2.77 | 94  | 22093  | 9.47  | ug/l | 95     |
| 6) Chloroethane               | 2.92 | 64  | 17724  | 9.04  | ug/l | 93     |
| 7) Trichlorofluoromethane     | 3.25 | 101 | 11603  | 9.68  | ug/l | 87     |
| 8) Diethyl Ether              | 3.67 | 74  | 13357  | 9.89  | ug/l | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.05 | 101 | 19644  | 9.38  | ug/l | 95     |
| 10) Methyl Iodide             | 4.26 | 142 | 32836  | 9.74  | ug/l | 98     |
| 11) Tert butyl alcohol        | 5.20 | 59  | 9254   | 50.53 | ug/l | 98     |
| 12) 1,1-Dichloroethene        | 4.03 | 96  | 20345  | 9.85  | ug/l | 95     |
| 13) Acrolein                  | 3.89 | 56  | 9463   | 60.41 | ug/l | 97     |
| 14) Allyl chloride            | 4.65 | 41  | 29676  | 9.74  | ug/l | 99     |
| 15) Acrylonitrile             | 5.36 | 53  | 25732  | 48.71 | ug/l | 97     |
| 16) Acetone                   | 4.12 | 43  | 27647  | 56.58 | ug/l | 99     |
| 17) Carbon Disulfide          | 4.37 | 76  | 55947  | 9.40  | ug/l | 99     |
| 18) Methyl Acetate            | 4.67 | 43  | 13590  | 9.30  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 5.43 | 73  | 36223  | 9.88  | ug/l | 99     |
| 20) Methylene Chloride        | 4.90 | 84  | 24546  | 10.70 | ug/l | 97     |
| 21) trans-1,2-Dichloroethene  | 5.41 | 96  | 21550  | 9.65  | ug/l | 96     |
| 22) Diisopropyl ether         | 6.31 | 45  | 62944  | 9.39  | ug/l | 97     |
| 23) Vinyl Acetate             | 6.26 | 43  | 189216 | 46.92 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 6.21 | 63  | 39263  | 9.68  | ug/l | 96     |
| 25) 2-Butanone                | 7.18 | 43  | 36962  | 51.24 | ug/l | 95     |
| 26) 2,2-Dichloropropane       | 7.16 | 77  | 23139  | 11.26 | ug/l | 97     |
| 27) cis-1,2-Dichloroethene    | 7.16 | 96  | 24444  | 9.67  | ug/l | 97     |
| 28) Bromochloromethane        | 7.51 | 49  | 17372  | 9.42  | ug/l | 99     |
| 29) Tetrahydrofuran           | 7.54 | 42  | 21468  | 45.61 | ug/l | 99     |
| 30) Chloroform                | 7.67 | 83  | 41837  | 9.83  | ug/l | 96     |
| 31) Cyclohexane               | 7.95 | 56  | 36533  | 10.12 | ug/l | # 90   |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97  | 31297  | 9.75  | ug/l | 97     |
| 36) 1,1-Dichloropropene       | 8.08 | 75  | 31157  | 9.95  | ug/l | 98     |
| 37) Ethyl Acetate             | 7.26 | 43  | 15955  | 10.36 | ug/l | 97     |
| 38) Carbon Tetrachloride      | 8.07 | 117 | 31030  | 10.22 | ug/l | 94     |

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Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC010

Quant Time: May 15 02:24:22 2018

Quant Method : W:\HPCHEM1\MSVOA\_W\METHOD\82W051518S.M

Quant Title : SW846 8260

QLast Update : Tue May 15 02:22:37 2018

Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 35502    | 9.75   | ug/l   | 97       |
| 40) Benzene                    | 8.32  | 78   | 89938    | 9.88   | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.48  | 41   | 8700     | 10.06  | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 28662    | 10.03  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.43  | 43   | 28342    | 9.70   | ug/l   | 97       |
| 44) Trichloroethene            | 9.09  | 130  | 25156    | 10.10  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 22874    | 9.97   | ug/l   | 97       |
| 46) Dibromomethane             | 9.46  | 93   | 13068    | 10.16  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.65  | 83   | 29628    | 9.79   | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.44  | 41   | 14653    | 10.35  | ug/l   | 94       |
| 49) 1,4-Dioxane                | 9.46  | 88   | 4233     | 204.06 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 10.22 | 43   | 79463    | 49.11  | ug/l   | 98       |
| 52) Toluene                    | 10.39 | 92   | 55343    | 9.57   | ug/l   | 95       |
| 53) t-1,3-Dichloropropene      | 10.61 | 75   | 28882    | 9.62   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 10.08 | 75   | 33316    | 9.77   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 18567    | 10.25  | ug/l   | 95       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 21122    | 9.41   | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 10.94 | 76   | 29135    | 9.47   | ug/l   | 94       |
| 58) 2-Chloroethyl Vinyl ether  | 9.93  | 63   | 49626    | 45.51  | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.98 | 43   | 54249    | 48.93  | ug/l   | 98       |
| 60) Dibromochloromethane       | 11.13 | 129  | 20301    | 9.48   | ug/l   | 96       |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 17255    | 9.77   | ug/l   | 97       |
| 64) Tetrachloroethene          | 10.87 | 164  | 23300    | 9.53   | ug/l   | 92       |
| 65) Chlorobenzene              | 11.66 | 112  | 65356    | 9.99   | ug/l   | 91       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.74 | 131  | 22775    | 9.74   | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.74 | 91   | 107543   | 9.54   | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.85 | 106  | 85111    | 19.59  | ug/l   | 99       |
| 69) o-Xylene                   | 12.18 | 106  | 39478    | 9.55   | ug/l   | 99       |
| 70) Styrene                    | 12.19 | 104  | 64919    | 9.47   | ug/l   | 99       |
| 71) Bromoform                  | 12.36 | 173  | 12898    | 9.55   | ug/l # | 95       |
| 73) Isopropylbenzene           | 12.48 | 105  | 107180   | 9.36   | ug/l   | 99       |
| 74) N-amyl acetate             | 12.29 | 43   | 26525    | 9.18   | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.73 | 83   | 22940    | 10.25  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.78 | 75   | 27790    | 16.99  | ug/l # | 100      |
| 77) Bromobenzene               | 12.76 | 156  | 28366    | 9.81   | ug/l   | 96       |
| 78) n-propylbenzene            | 12.82 | 91   | 130731   | 9.63   | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.90 | 91   | 74972    | 9.60   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.96 | 105  | 92048    | 9.55   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.52 | 75   | 5695     | 9.46   | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 13.00 | 91   | 80731    | 9.71   | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.22 | 119  | 79040    | 9.54   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.26 | 105  | 96181    | 9.62   | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.40 | 105  | 113197   | 9.54   | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 13.51 | 119  | 100416   | 9.44   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.51 | 146  | 57409    | 10.04  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene        | 13.59 | 146  | 58349    | 10.21  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.83 | 91   | 94886    | 9.54   | ug/l   | 100      |
| 90) Hexachloroethane           | 14.10 | 117  | 18276    | 9.62   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.88 | 146  | 53624    | 10.30  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.50 | 75   | 3645     | 9.41   | ug/l   | 94       |

Data Path : W:\HPCHEM1\MSVOA\_W\DATA\VW051518\  
Quantitation Report (Not Reviewed)

Data File : VW002525.D  
Acq On : 14 May 2018 21:16  
Operator : JC/SY  
Sample : VSTDICC010  
Misc : 5.00G/5ML/MSVOA\_W/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICC010

Quant Time: May 15 02:24:22 2018  
Quant Method : W:\HPCHEM1\MSVOA\_W\METHOD\82W051518S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 15 02:22:37 2018  
Response via : Initial Calibration

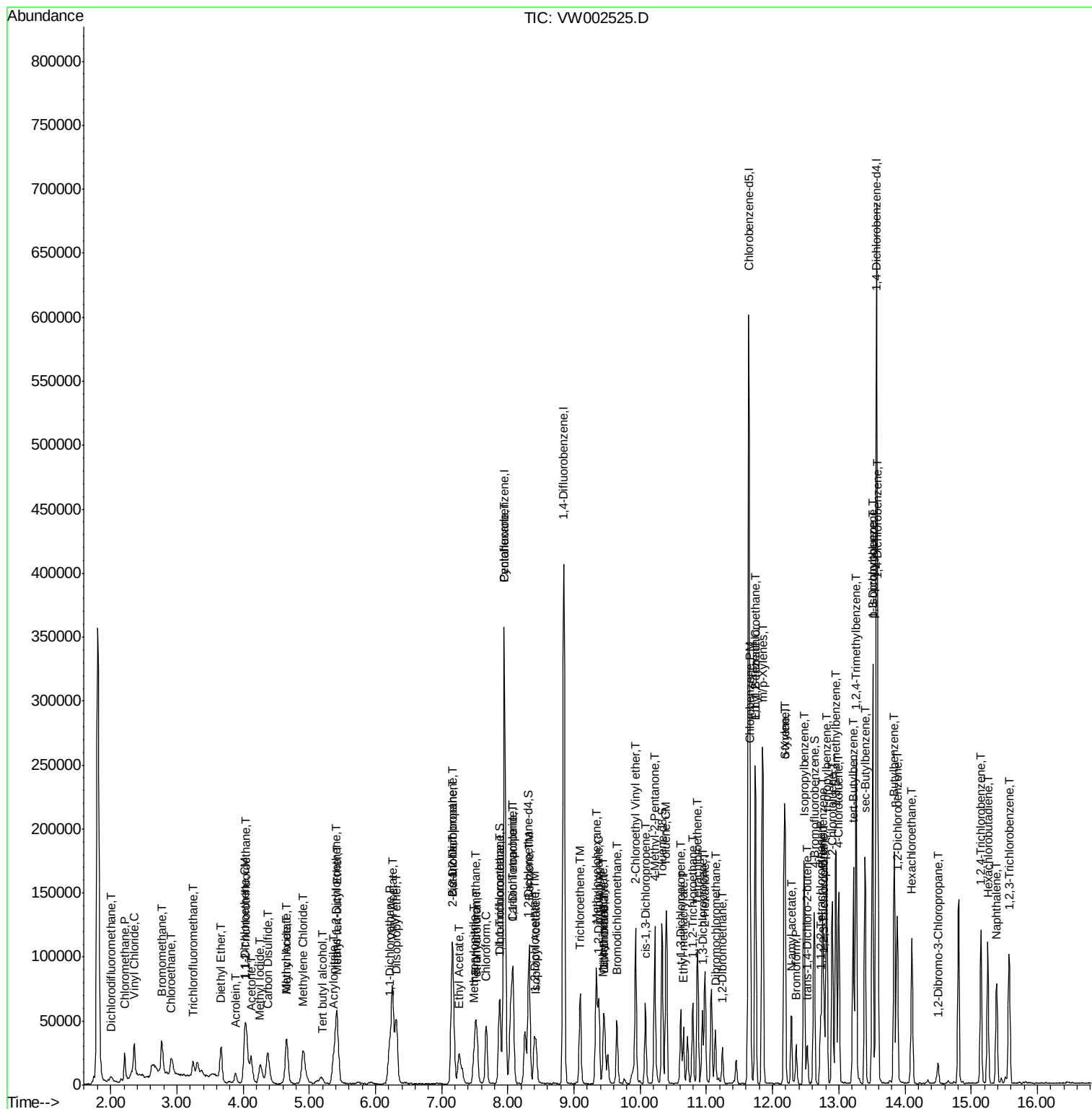
| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.15 | 180  | 38677    | 10.36 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.26 | 225  | 21510    | 10.35 | ug/l  | 99       |
| 95) Naphthalene            | 15.38 | 128  | 66418    | 9.64  | ug/l  | 98       |
| 96) 1,2,3-Trichlorobenzene | 15.57 | 180  | 35090    | 10.47 | ug/l  | 99       |

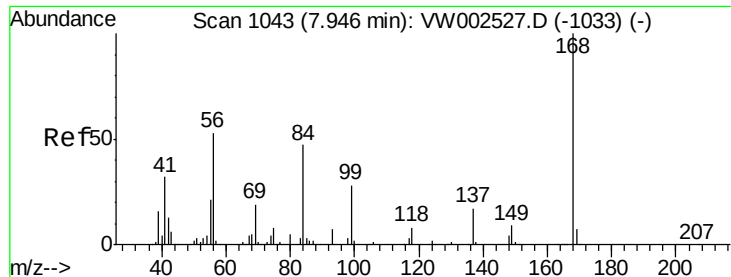
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Instrument :

MSVOA\_W

ClientSampleId :

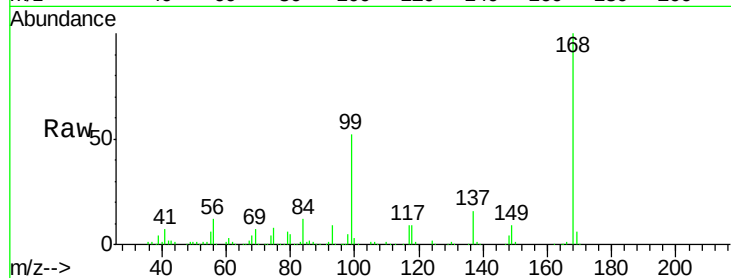
VSTDIC010

Tgt Ion:168 Resp: 232270

Ion Ratio Lower Upper

168 100

99 52.1 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

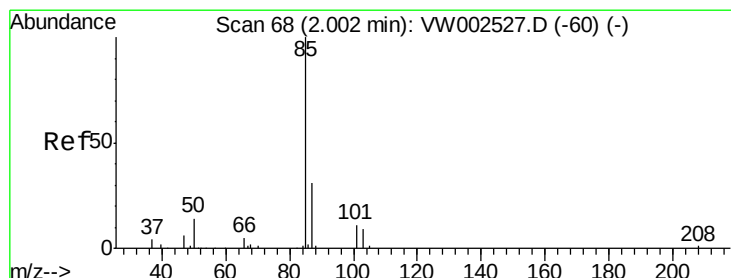
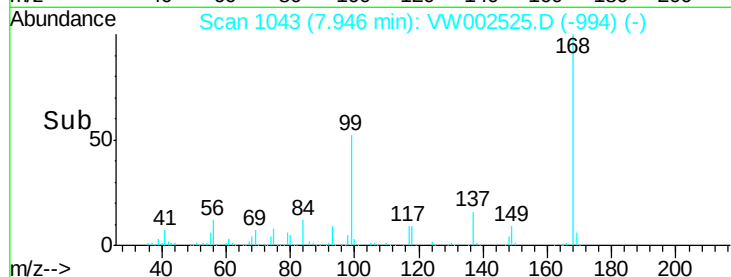
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 8.78 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW002525.D

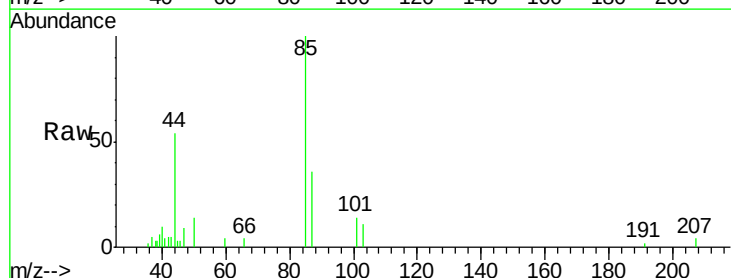
Acq: 14 May 2018 21:16

Tgt Ion: 85 Resp: 7662

Ion Ratio Lower Upper

85 100

87 35.9 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

2500

2000

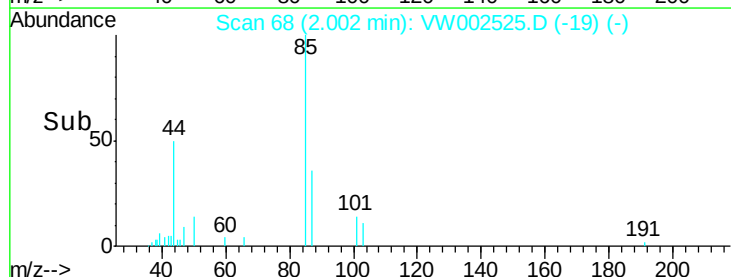
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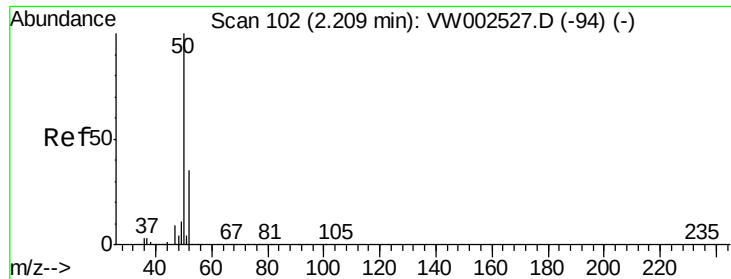
1000

500

0

Time-->





#3

Chloromethane

Concen: 10.17 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Instrument :

MSVOA\_W

ClientSampleId :

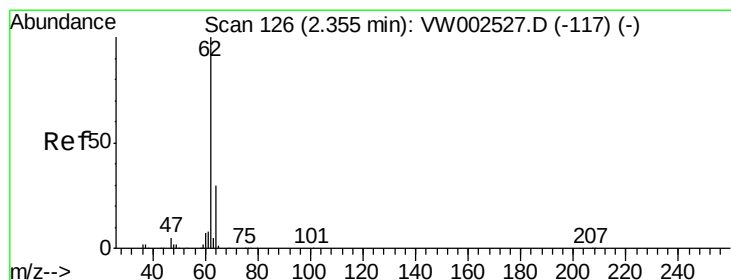
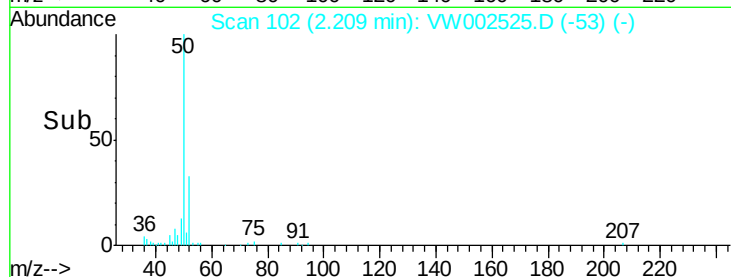
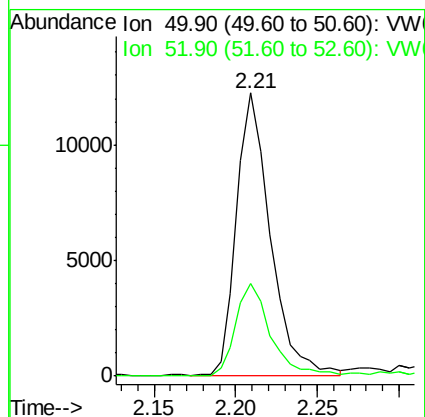
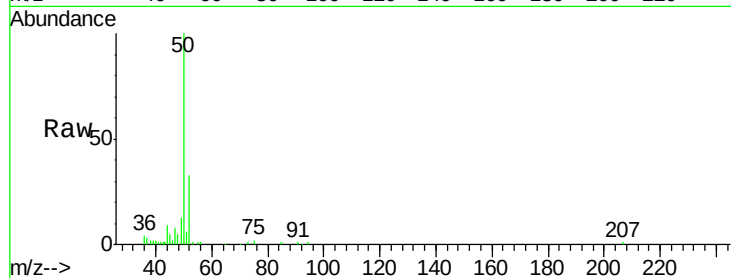
VSTDIC010

Tgt Ion: 50 Resp: 17848

Ion Ratio Lower Upper

50 100

52 32.7 27.8 41.8



#4

Vinyl Chloride

Concen: 9.19 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW002525.D

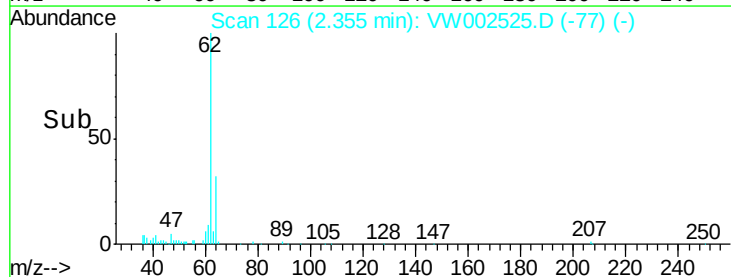
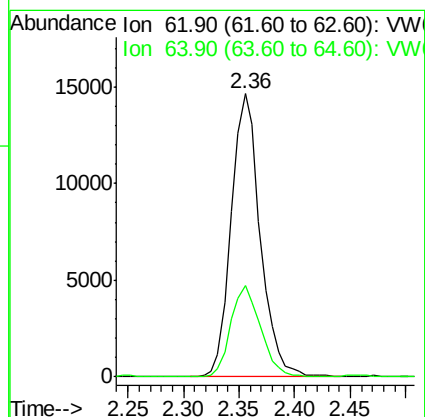
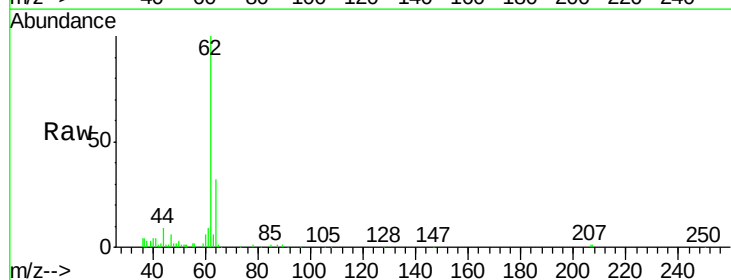
Acq: 14 May 2018 21:16

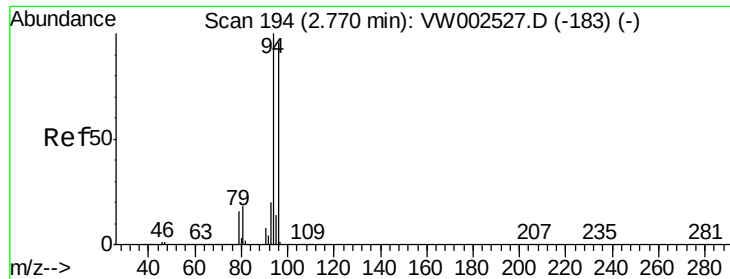
Tgt Ion: 62 Resp: 26459

Ion Ratio Lower Upper

62 100

64 32.2 24.0 36.0





#5

Bromomethane

Concen: 9.47 ug/l

RT: 2.77 min Scan# 194

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Instrument :

MSVOA\_W

ClientSampleId :

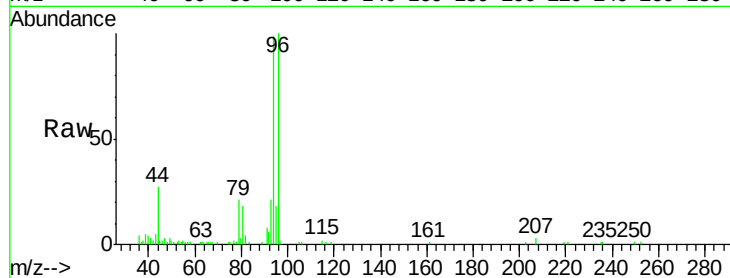
VSTDIC010

Tgt Ion: 94 Resp: 22093

Ion Ratio Lower Upper

94 100

96 101.0 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.77

8000

6000

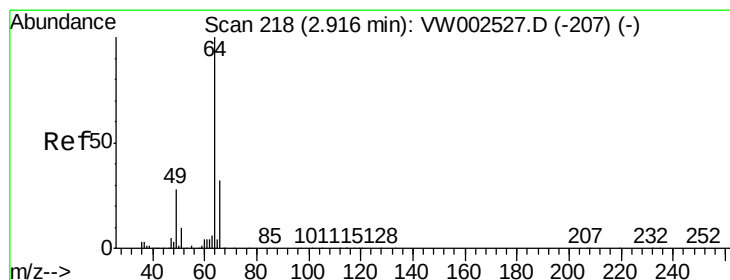
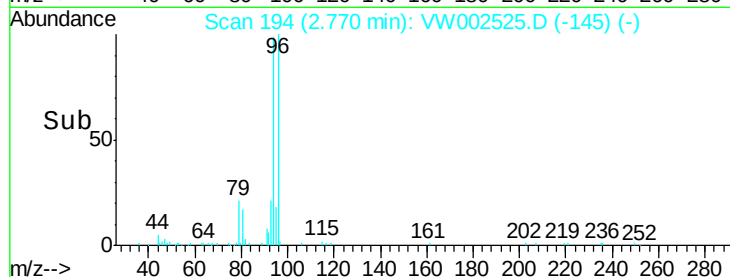
4000

2000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 9.04 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.01 min

Lab File: VW002525.D

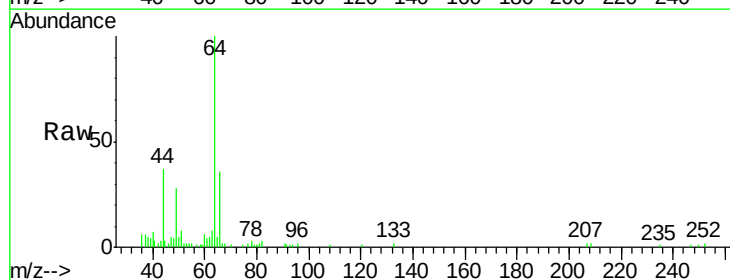
Acq: 14 May 2018 21:16

Tgt Ion: 64 Resp: 17724

Ion Ratio Lower Upper

64 100

66 36.3 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.92

6000

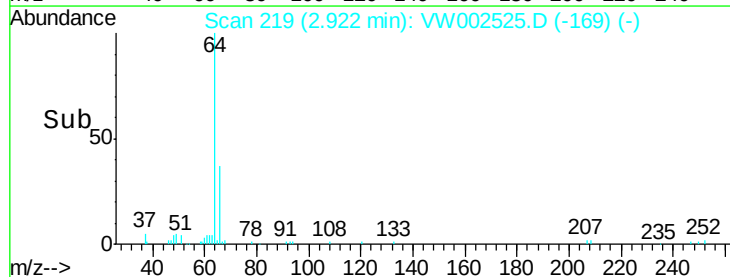
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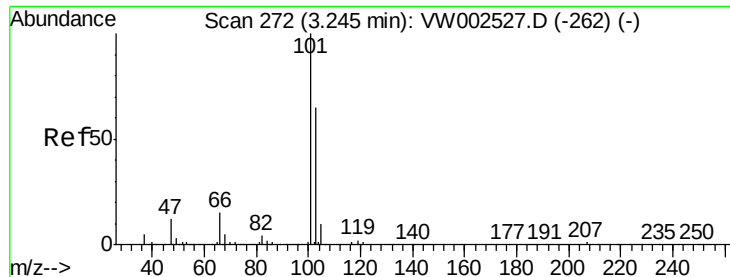
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0

Time-->

2.80 2.90 3.00



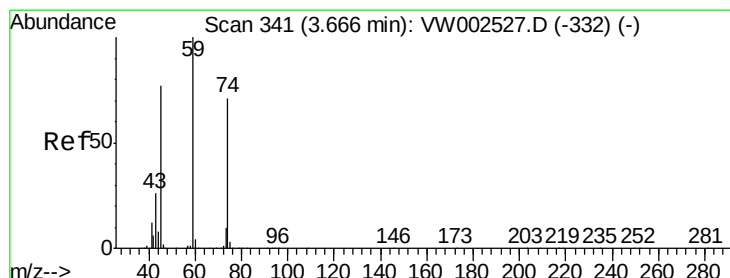
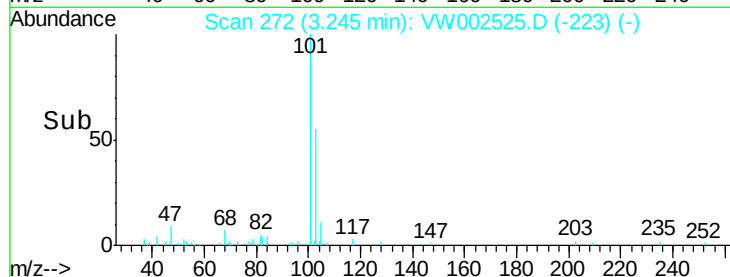
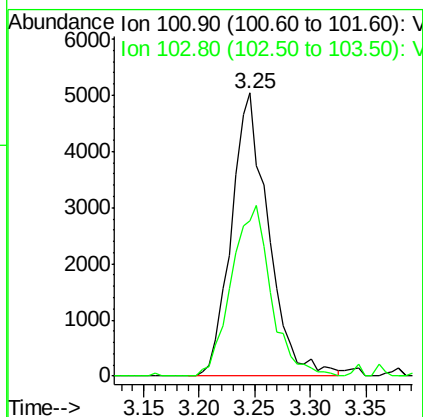
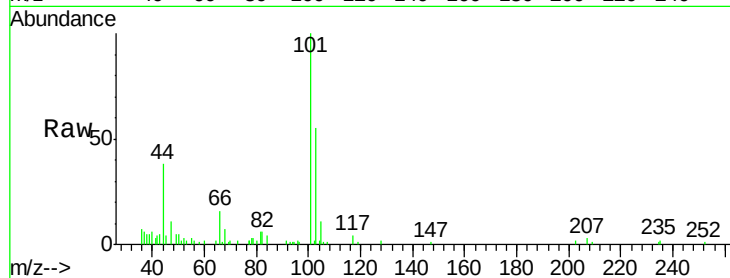


#7

Trichlorofluoromethane  
 Concen: 9.68 ug/l  
 RT: 3.25 min Scan# 272  
 Delta R.T. -0.00 min  
 Lab File: VW002525.D  
 Acq: 14 May 2018 21:16

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC010

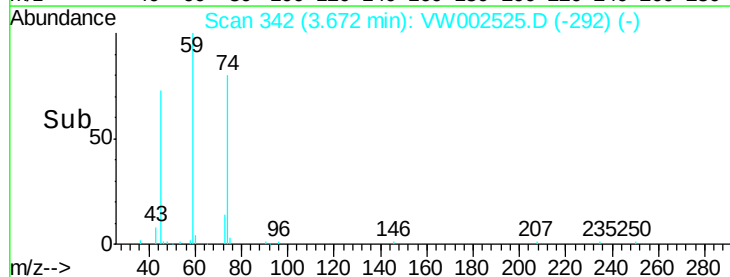
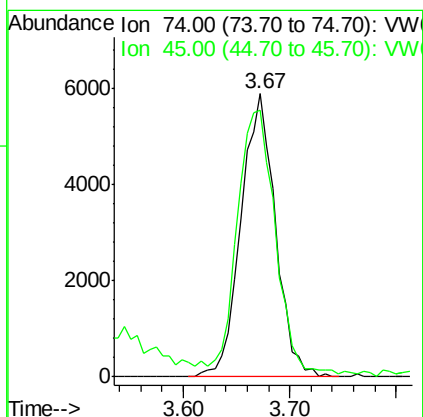
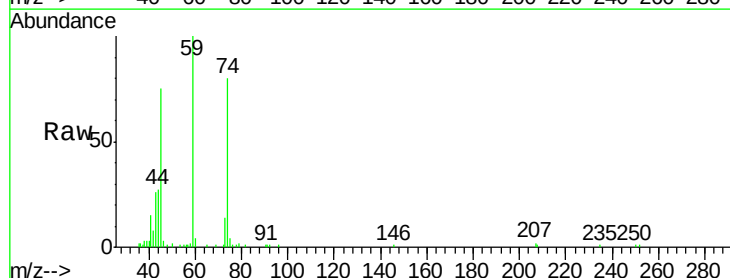
Tgt Ion:101 Resp: 11603  
 Ion Ratio Lower Upper  
 101 100  
 103 54.7 51.8 77.8



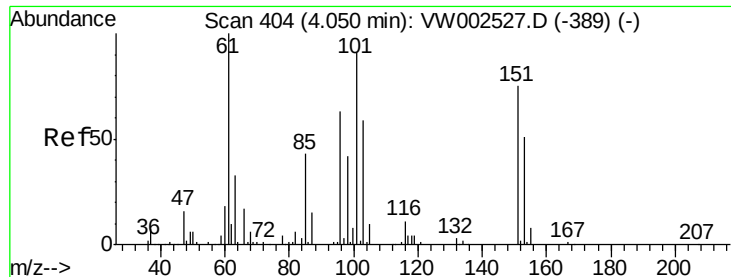
#8

Diethyl Ether  
 Concen: 9.89 ug/l  
 RT: 3.67 min Scan# 342  
 Delta R.T. 0.01 min  
 Lab File: VW002525.D  
 Acq: 14 May 2018 21:16

Tgt Ion: 74 Resp: 13357  
 Ion Ratio Lower Upper  
 74 100  
 45 102.5 52.3 156.8







#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.38 ug/l

RT: 4.05 min Scan# 404

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC010

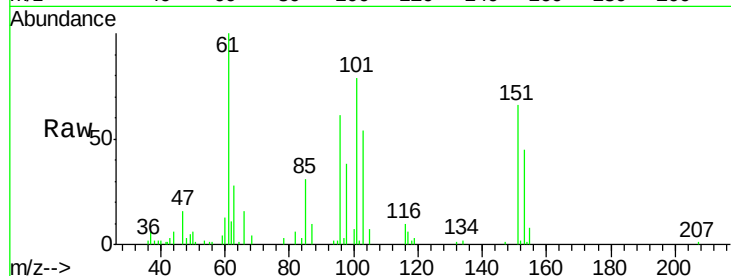
Tgt Ion:101 Resp: 19644

Ion Ratio Lower Upper

101 100

85 45.4 36.5 54.7

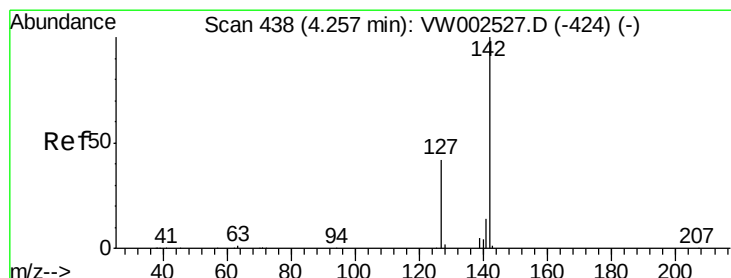
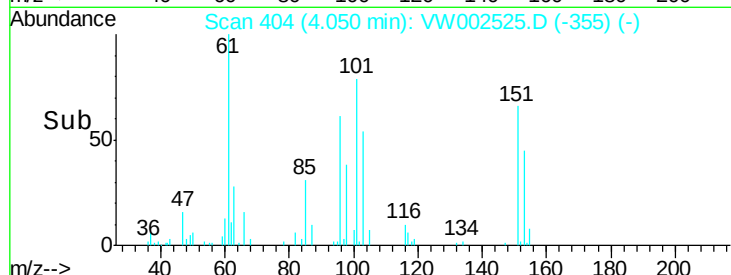
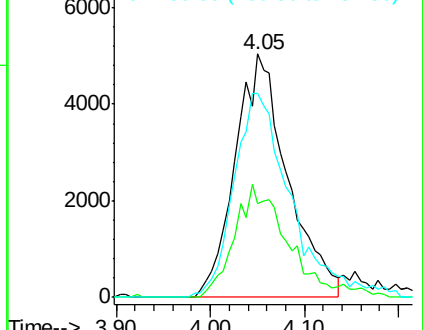
151 90.9 66.7 100.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 9.74 ug/l

RT: 4.26 min Scan# 438

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

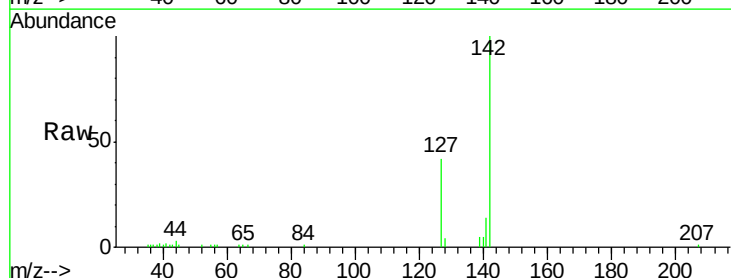
Tgt Ion:142 Resp: 32836

Ion Ratio Lower Upper

142 100

127 41.8 34.6 52.0

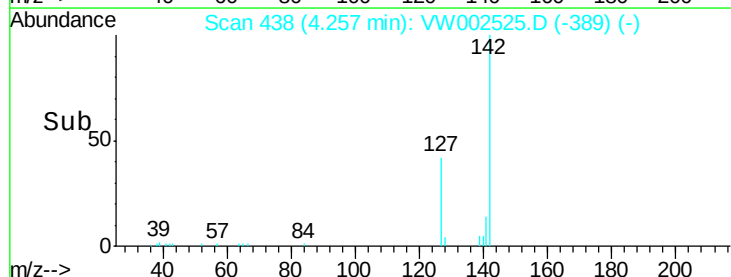
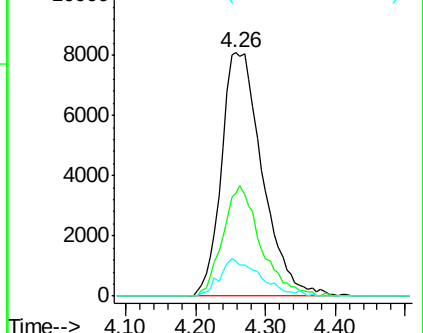
141 15.2 11.8 17.8

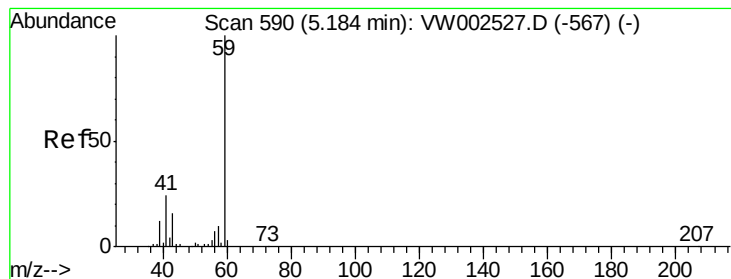


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 50.53 ug/l

RT: 5.20 min Scan# 592

Delta R.T. 0.01 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Instrument :

MSVOA\_W

ClientSampled :

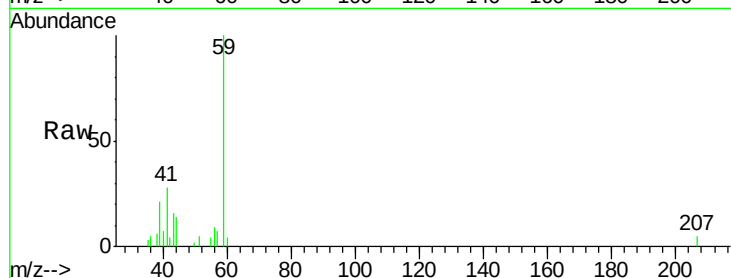
VSTDIC010

Tgt Ion: 59 Resp: 9254

Ion Ratio Lower Upper

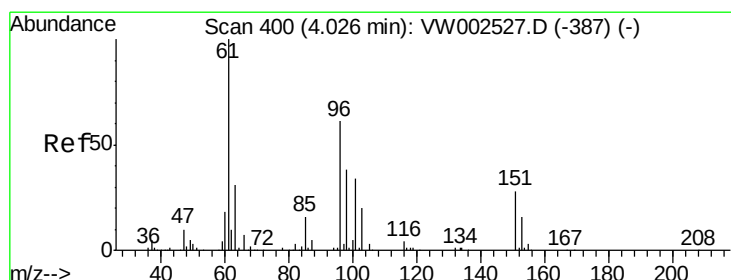
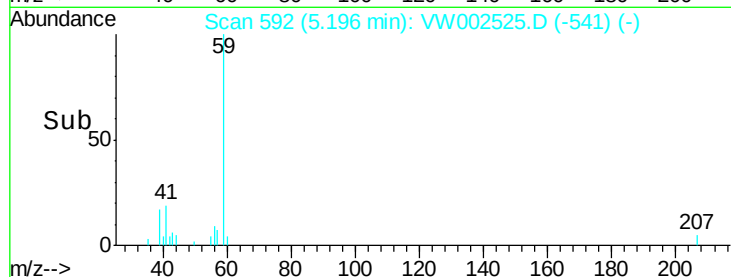
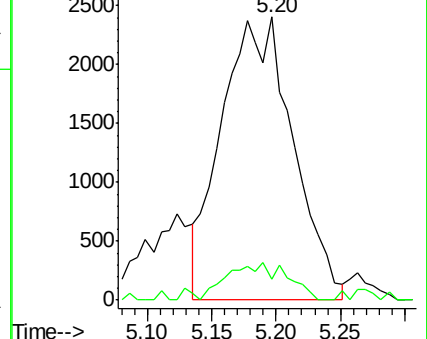
59 100

57 11.1 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 9.85 ug/l

RT: 4.03 min Scan# 400

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

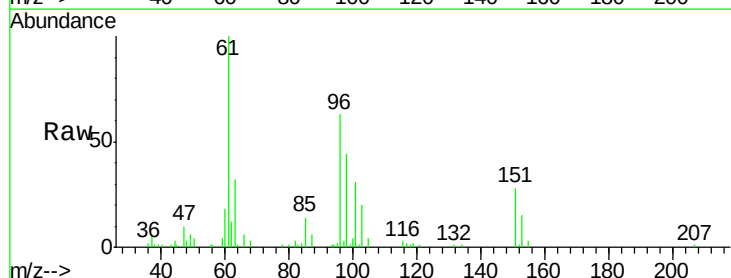
Tgt Ion: 96 Resp: 20345

Ion Ratio Lower Upper

96 100

61 159.2 132.2 198.2

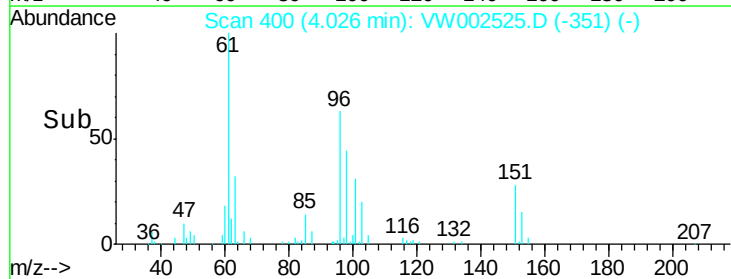
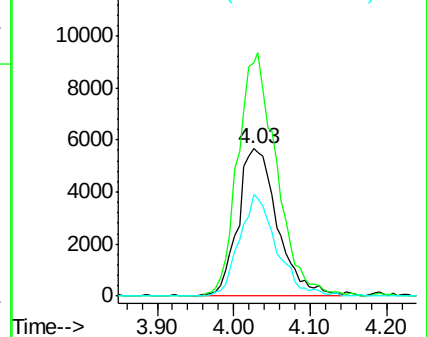
98 69.3 50.6 76.0

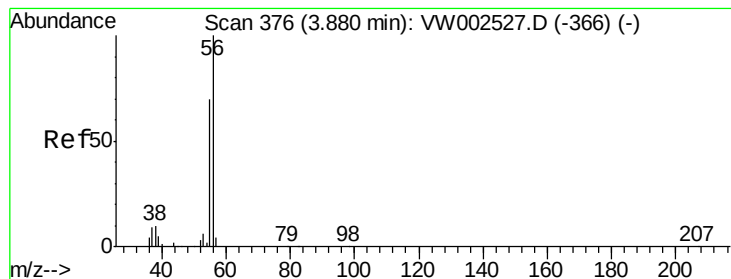


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#13

Acrolein

Concen: 60.41 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.01 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Instrument :

MSVOA\_W

ClientSampleId :

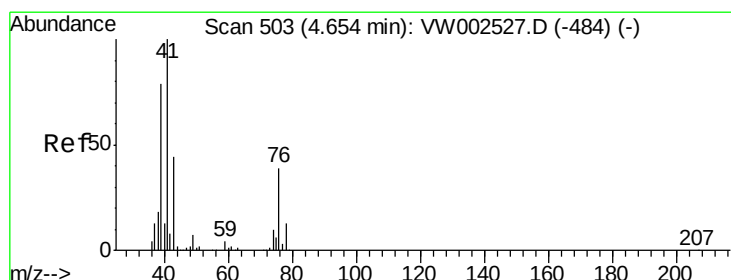
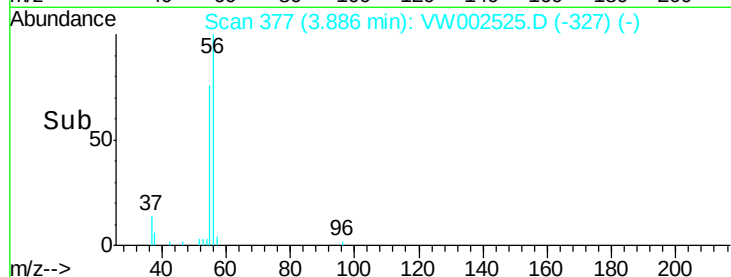
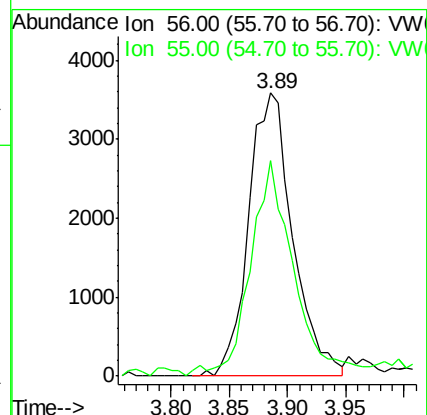
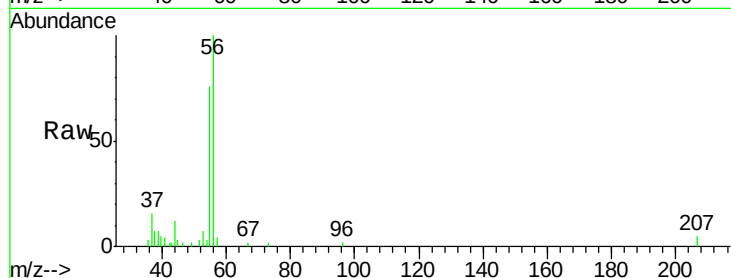
VSTDIC010

Tgt Ion: 56 Resp: 9463

Ion Ratio Lower Upper

56 100

55 68.9 57.0 85.4



#14

Allyl chloride

Concen: 9.74 ug/l

RT: 4.65 min Scan# 503

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

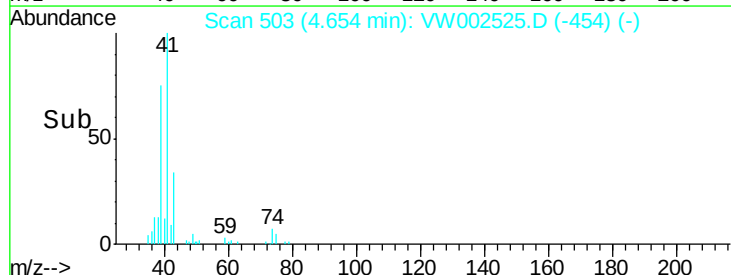
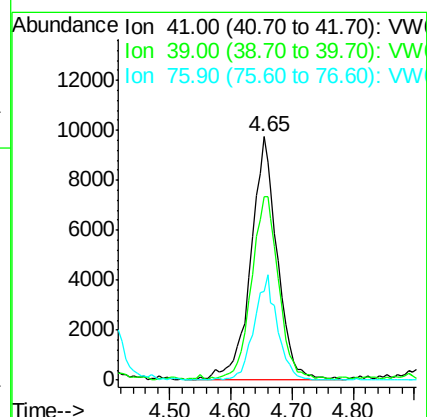
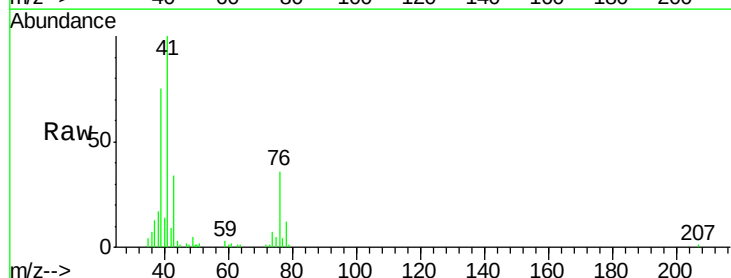
Tgt Ion: 41 Resp: 29676

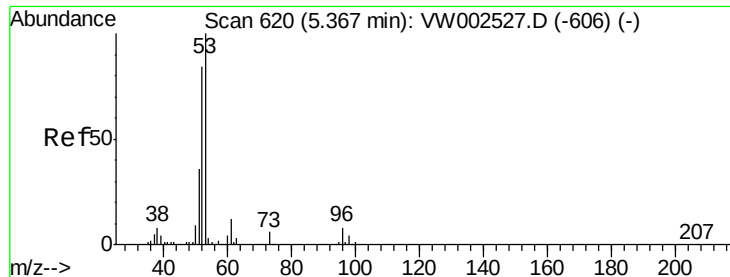
Ion Ratio Lower Upper

41 100

39 77.8 61.4 92.2

76 37.5 29.6 44.4





#15

Acrylonitrile

Concen: 48.71 ug/l

RT: 5.36 min Scan# 619

Delta R.T. -0.01 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Instrument :

MSVOA\_W

ClientSampled :

VSTDIC010

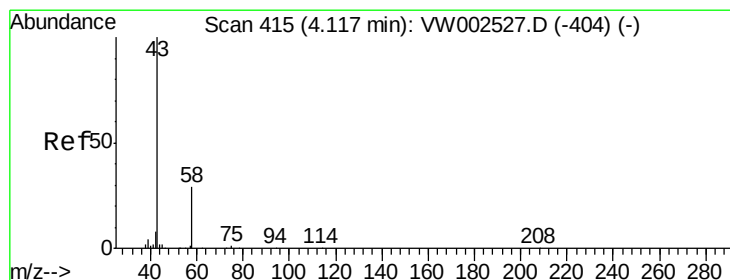
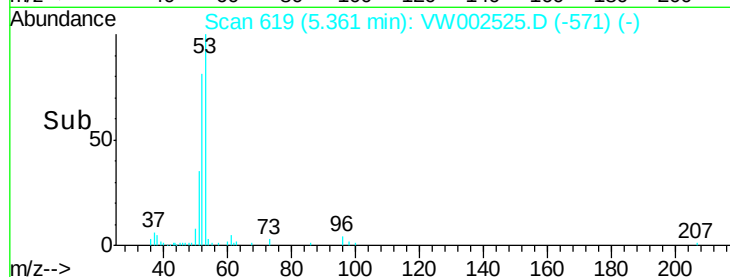
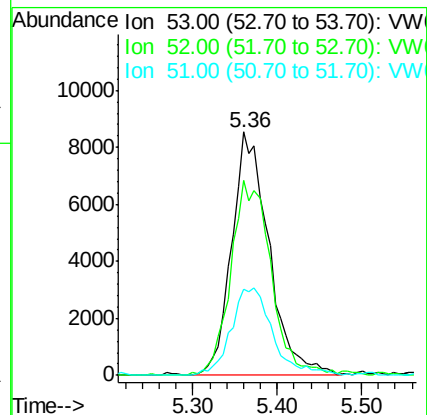
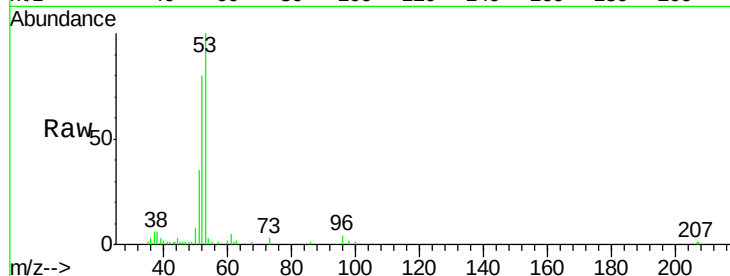
Tgt Ion: 53 Resp: 25732

Ion Ratio Lower Upper

53 100

52 85.8 66.6 100.0

51 40.1 30.6 46.0



#16

Acetone

Concen: 56.58 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.01 min

Lab File: VW002525.D

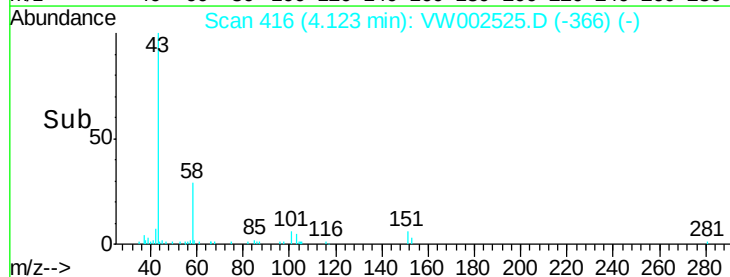
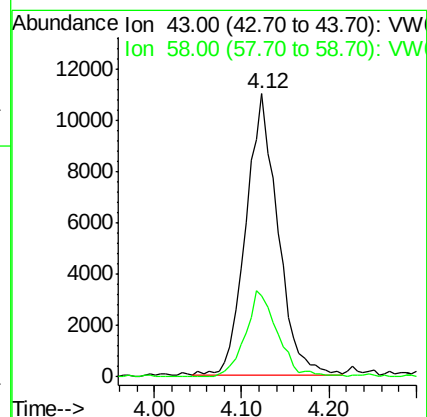
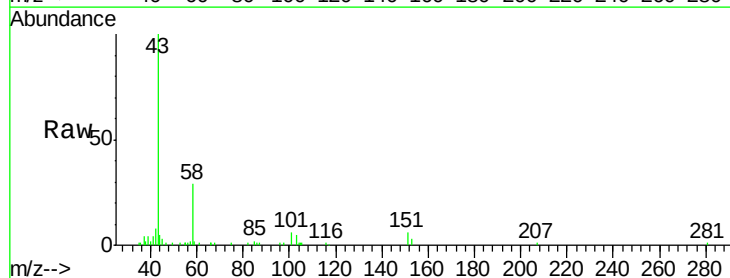
Acq: 14 May 2018 21:16

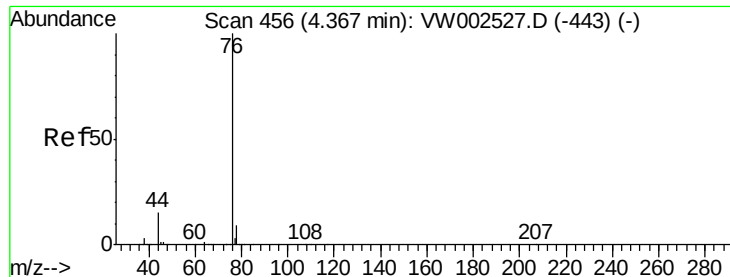
Tgt Ion: 43 Resp: 27647

Ion Ratio Lower Upper

43 100

58 28.7 23.4 35.0





#17

Carbon Disulfide

Concen: 9.40 ug/l

RT: 4.37 min Scan# 456

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Instrument :

MSVOA\_W

ClientSampleId :

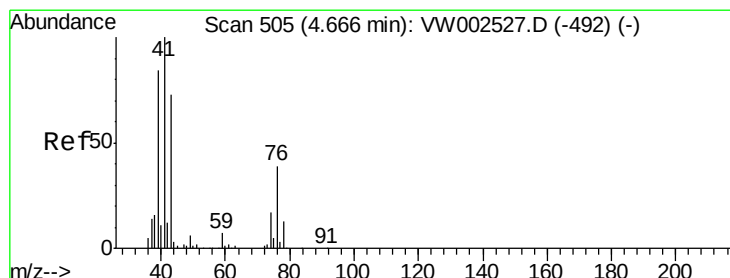
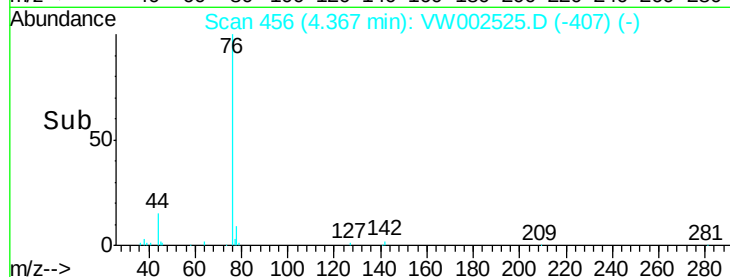
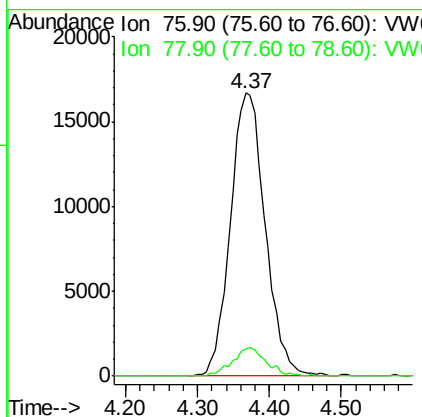
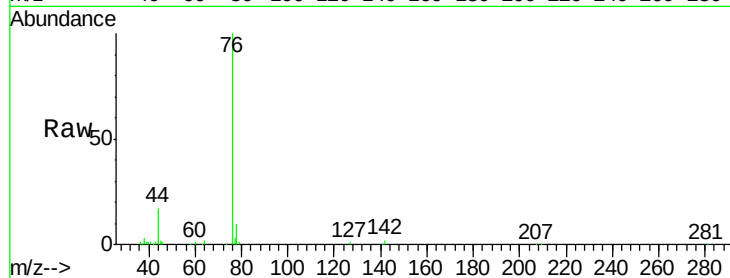
VSTDIC010

Tgt Ion: 76 Resp: 55947

Ion Ratio Lower Upper

76 100

78 9.6 7.5 11.3



#18

Methyl Acetate

Concen: 9.30 ug/l

RT: 4.67 min Scan# 505

Delta R.T. -0.00 min

Lab File: VW002525.D

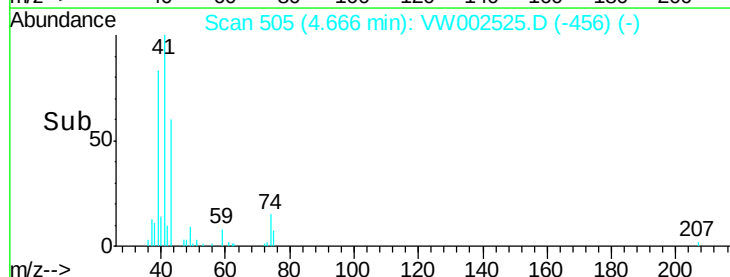
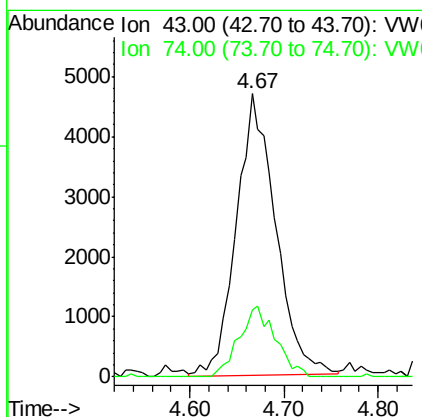
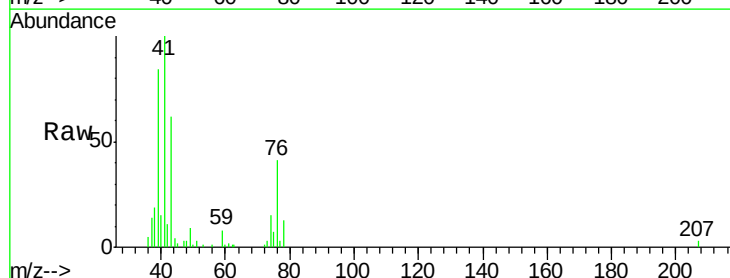
Acq: 14 May 2018 21:16

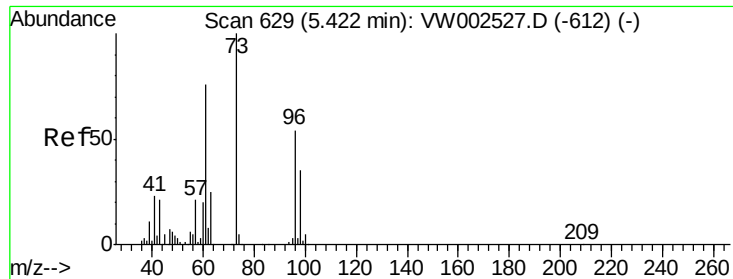
Tgt Ion: 43 Resp: 13590

Ion Ratio Lower Upper

43 100

74 23.5 19.2 28.8

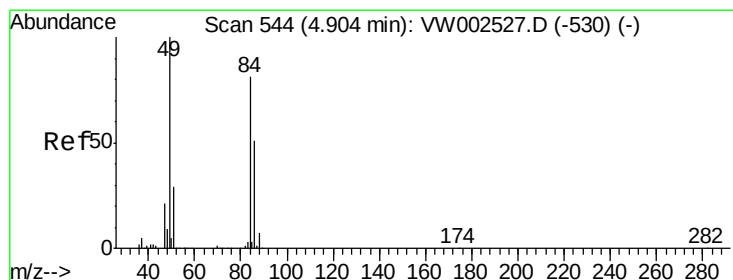
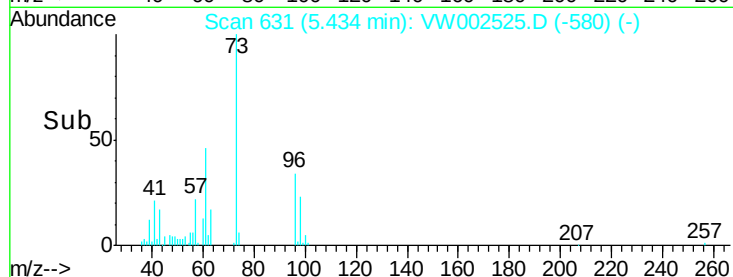
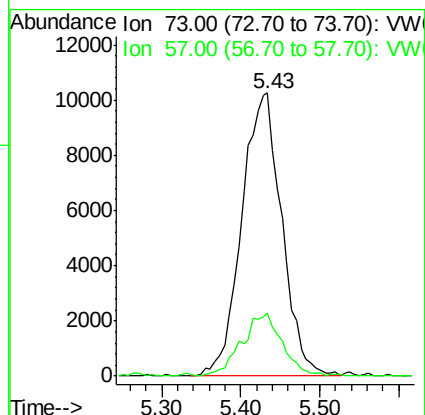
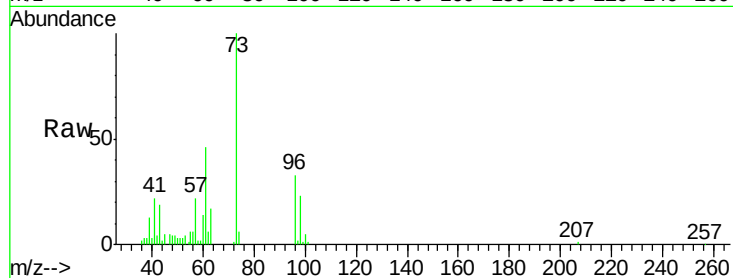




#19  
Methyl tert-butyl Ether  
Concen: 9.88 ug/l  
RT: 5.43 min Scan# 631  
Delta R.T. 0.01 min  
Lab File: VW002525.D  
Acq: 14 May 2018 21:16

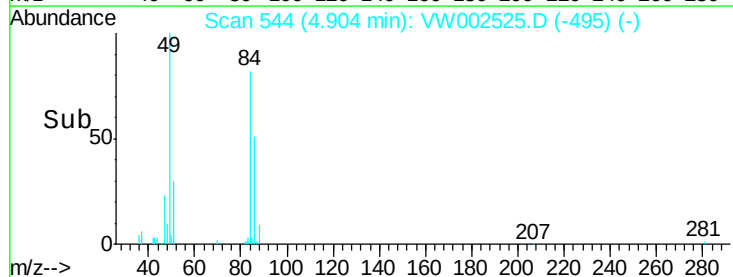
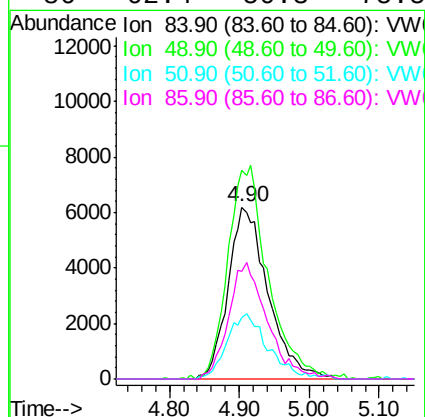
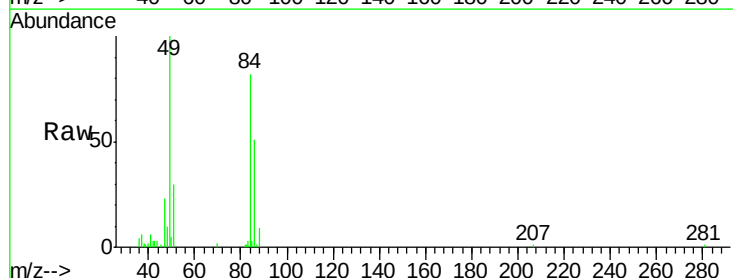
Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC010

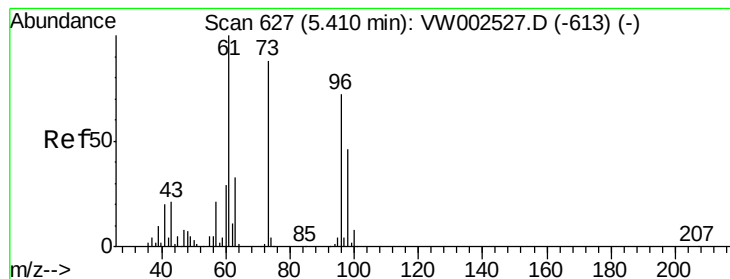
Tgt Ion: 73 Resp: 36223  
Ion Ratio Lower Upper  
73 100  
57 21.7 17.0 25.6



#20  
Methylene Chloride  
Concen: 10.70 ug/l  
RT: 4.90 min Scan# 544  
Delta R.T. -0.00 min  
Lab File: VW002525.D  
Acq: 14 May 2018 21:16

Tgt Ion: 84 Resp: 24546  
Ion Ratio Lower Upper  
84 100  
49 119.5 99.4 149.0  
51 35.9 29.0 43.6  
86 62.4 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 9.65 ug/l

RT: 5.41 min Scan# 627

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC010

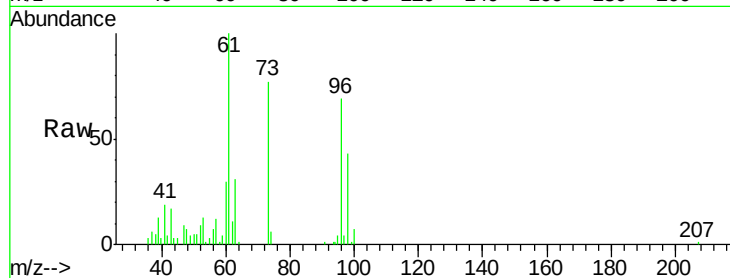
Tgt Ion: 96 Resp: 21550

Ion Ratio Lower Upper

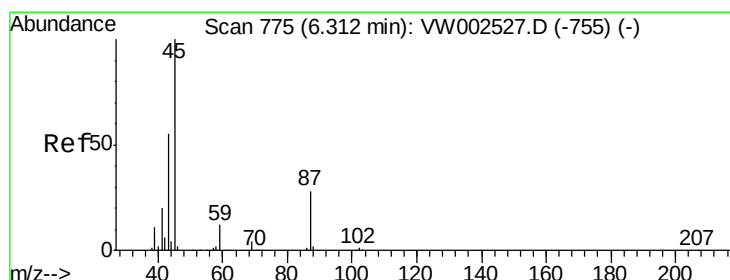
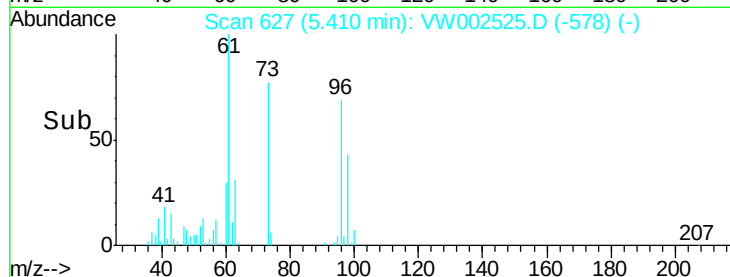
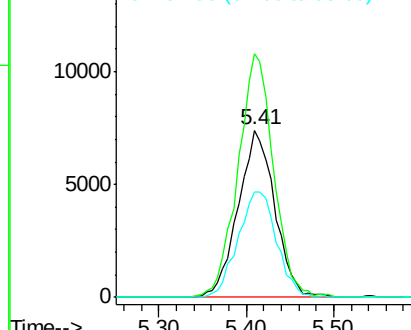
96 100

61 145.9 111.6 167.4

98 63.1 51.7 77.5



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



#22

Diisopropyl ether

Concen: 9.39 ug/l

RT: 6.31 min Scan# 775

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Tgt Ion: 45 Resp: 62944

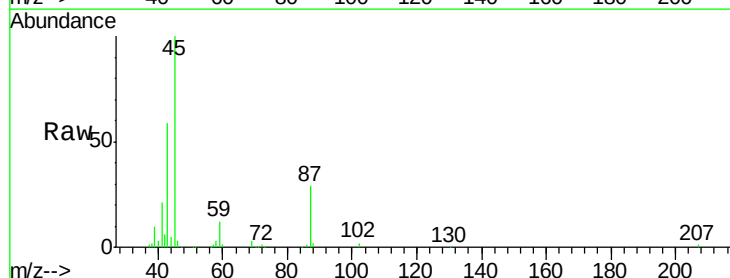
Ion Ratio Lower Upper

45 100

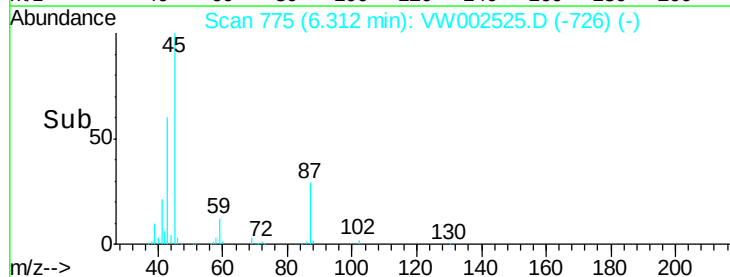
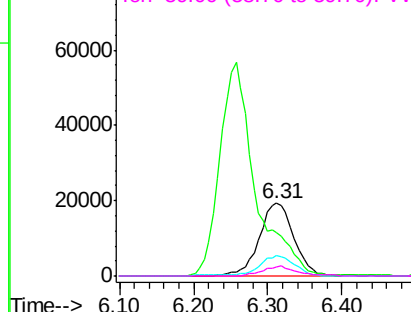
43 58.3 44.4 66.6

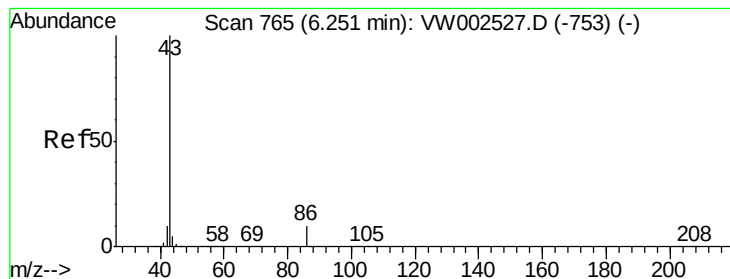
87 29.1 23.0 34.4

59 10.9 9.4 14.2



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





#23

Vinyl Acetate

Concen: 46.92 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.01 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Instrument :

MSVOA\_W

ClientSampleId :

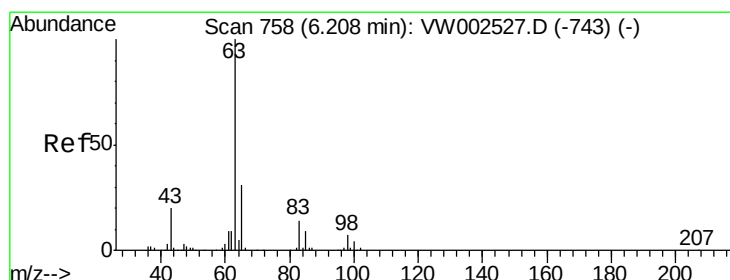
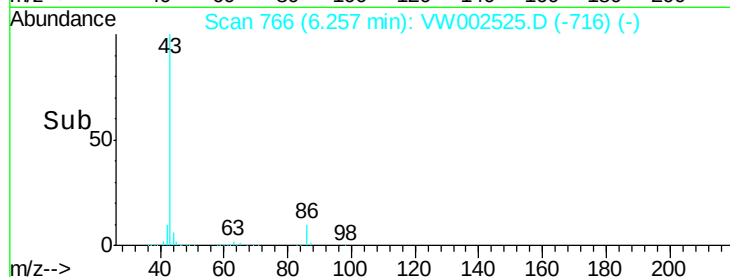
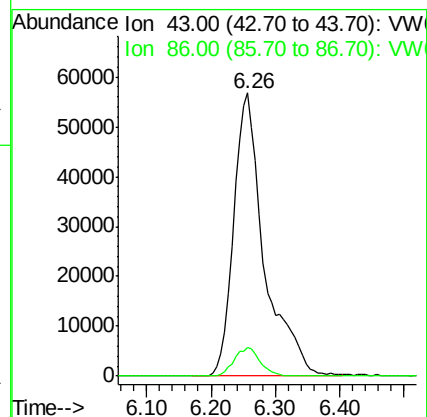
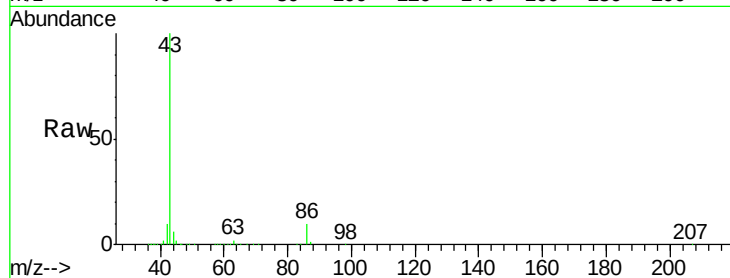
VSTDIC010

Tgt Ion: 43 Resp: 189216

Ion Ratio Lower Upper

43 100

86 10.0 7.9 11.9



#24

1,1-Dichloroethane

Concen: 9.68 ug/l

RT: 6.21 min Scan# 758

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

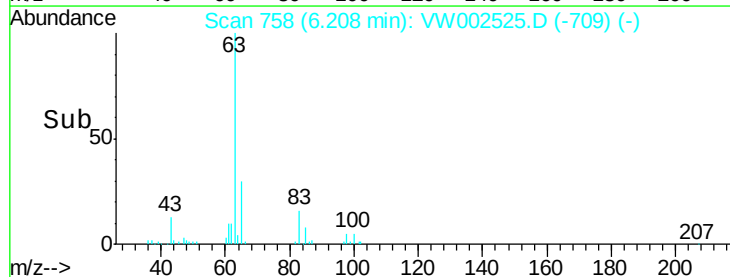
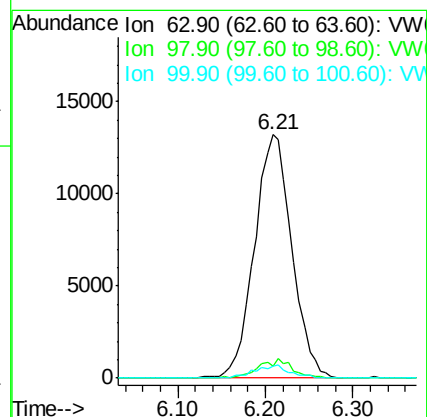
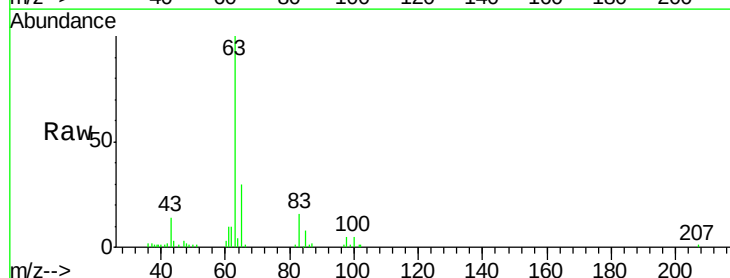
Tgt Ion: 63 Resp: 39263

Ion Ratio Lower Upper

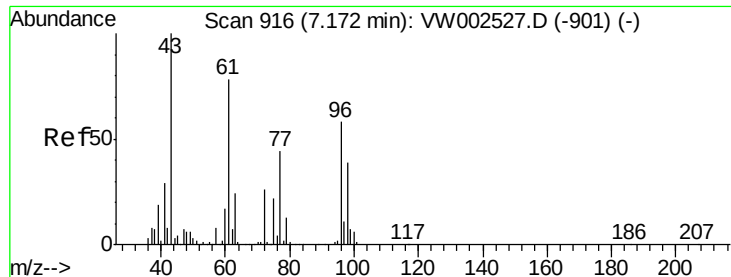
63 100

98 5.1 3.6 10.9

100 4.7 2.1 6.5



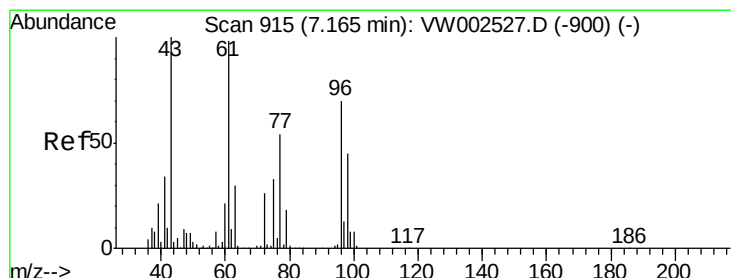
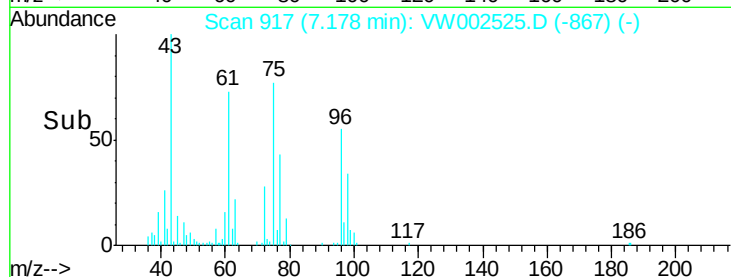
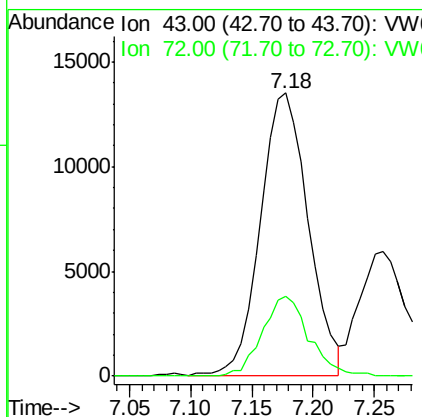
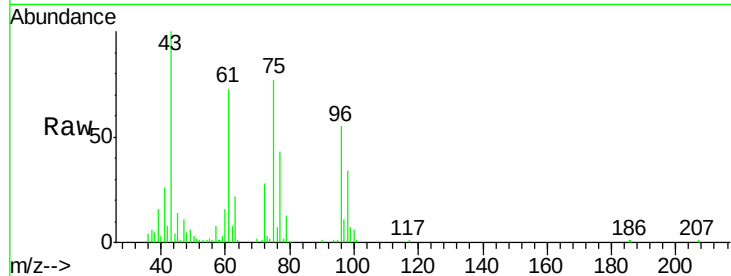




#25  
 2-Butanone  
 Concen: 51.24 ug/l  
 RT: 7.18 min Scan# 917  
 Delta R.T. 0.01 min  
 Lab File: VW002525.D  
 Acq: 14 May 2018 21:16

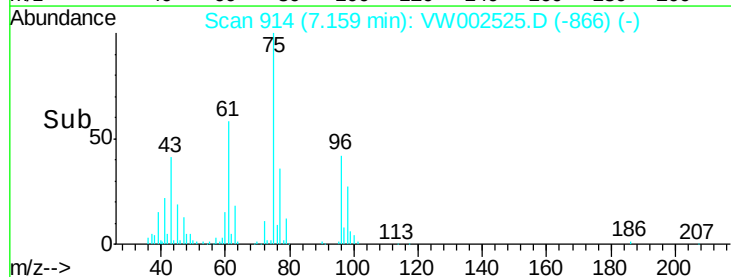
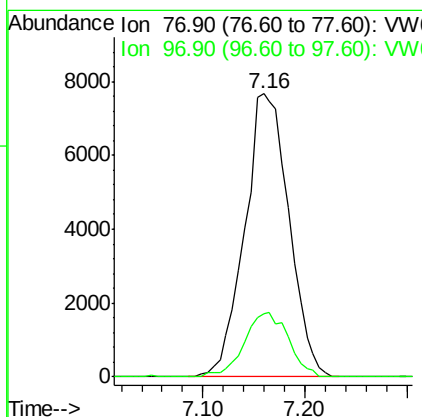
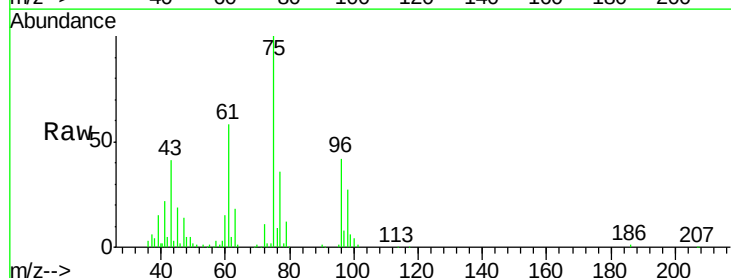
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VSTDIC010

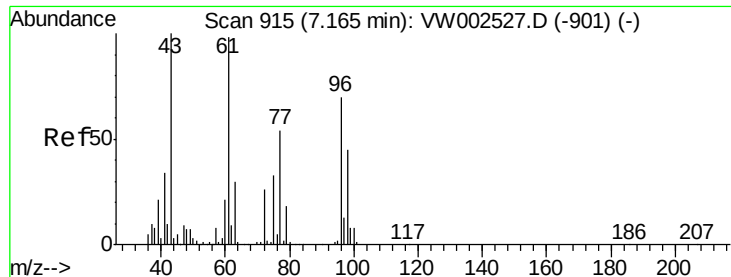
Tgt Ion: 43 Resp: 36962  
 Ion Ratio Lower Upper  
 43 100  
 72 28.4 20.9 31.3



#26  
 2,2-Dichloropropane  
 Concen: 11.26 ug/l  
 RT: 7.16 min Scan# 914  
 Delta R.T. -0.01 min  
 Lab File: VW002525.D  
 Acq: 14 May 2018 21:16

Tgt Ion: 77 Resp: 23139  
 Ion Ratio Lower Upper  
 77 100  
 97 22.8 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 9.67 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC010

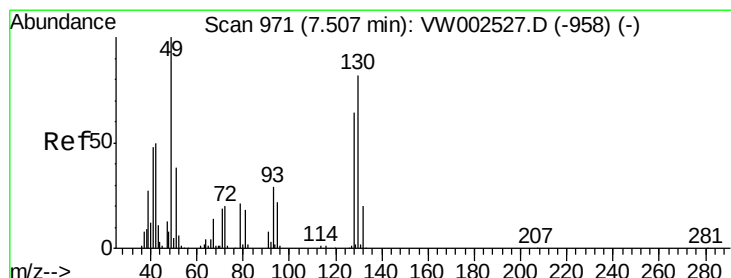
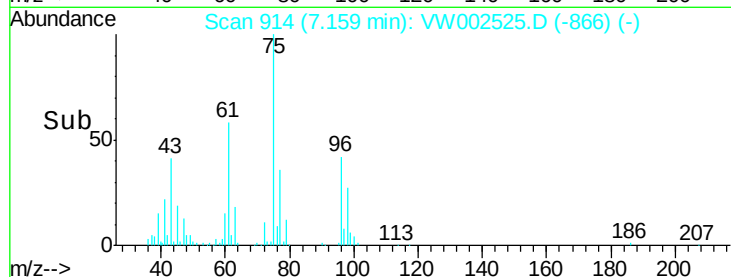
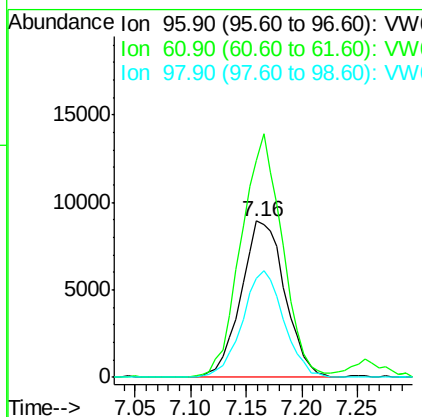
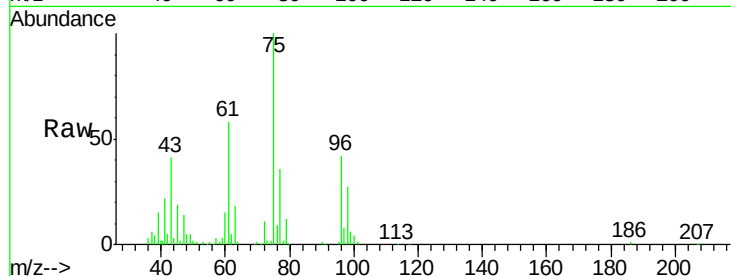
Tgt Ion: 96 Resp: 24444

Ion Ratio Lower Upper

96 100

61 145.8 0.0 281.6

98 64.5 0.0 130.8



#28

Bromochloromethane

Concen: 9.42 ug/l

RT: 7.51 min Scan# 972

Delta R.T. 0.01 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

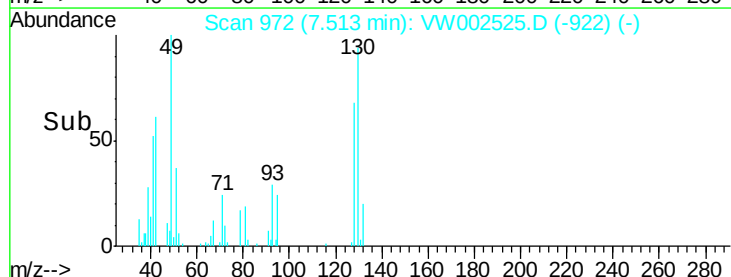
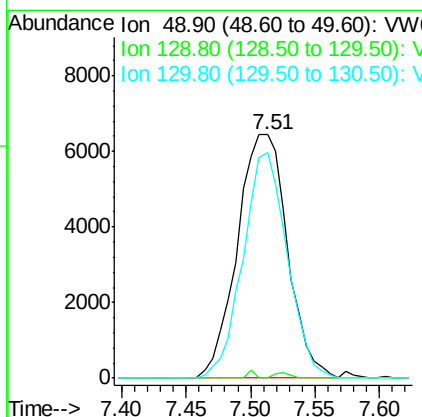
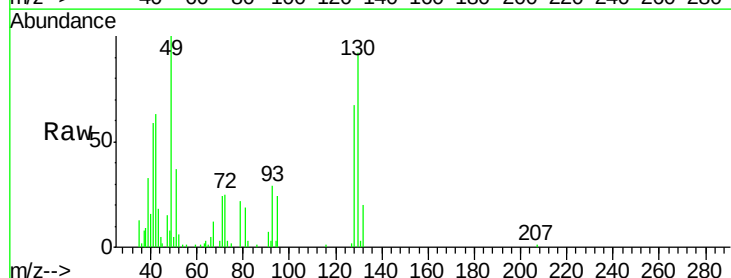
Tgt Ion: 49 Resp: 17372

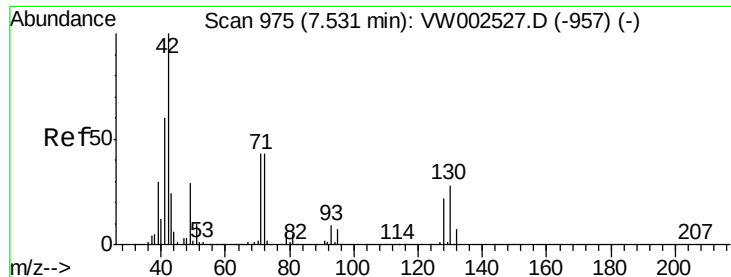
Ion Ratio Lower Upper

49 100

129 0.7 0.0 4.4

130 81.9 64.7 97.1

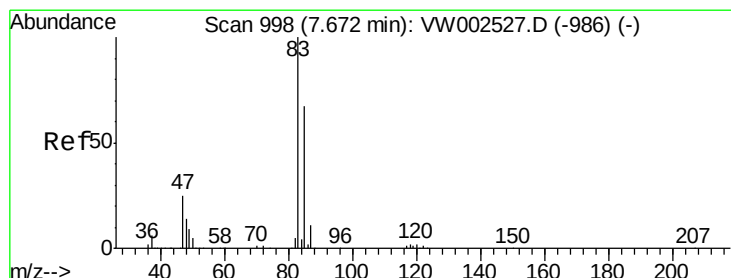
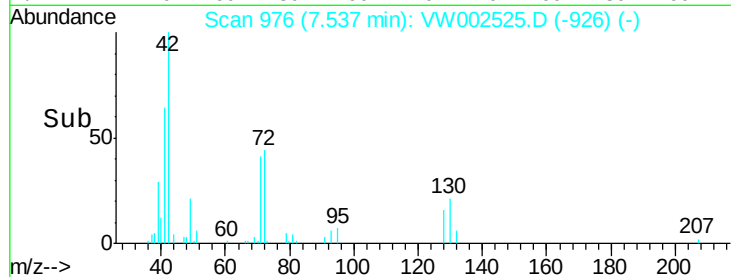
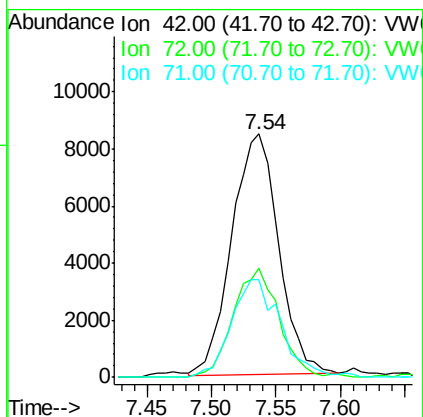
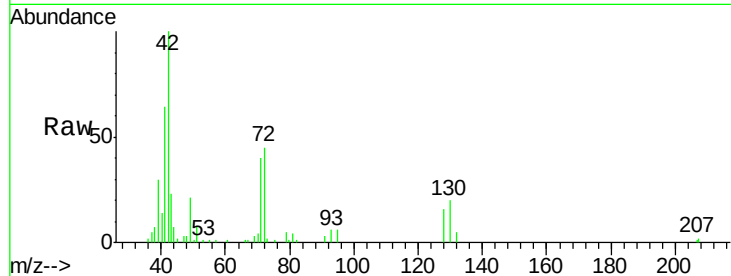




#29  
Tetrahydrofuran  
Concen: 45.61 ug/l  
RT: 7.54 min Scan# 976  
Delta R.T. 0.01 min  
Lab File: VW002525.D  
Acq: 14 May 2018 21:16

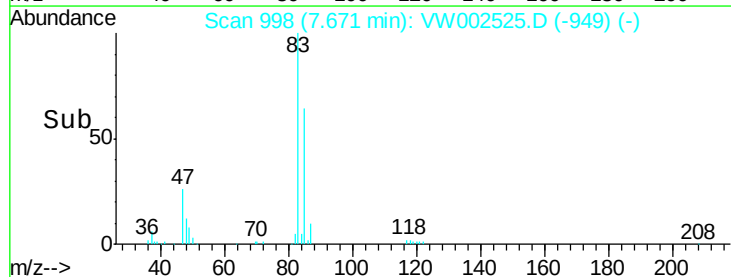
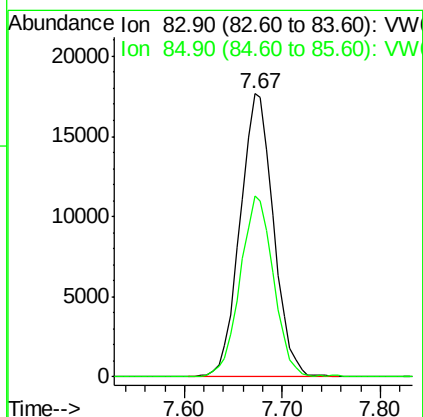
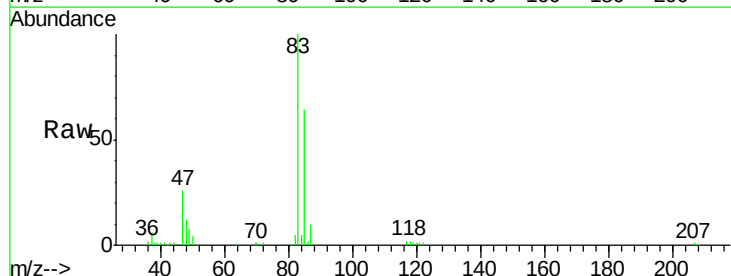
Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC010

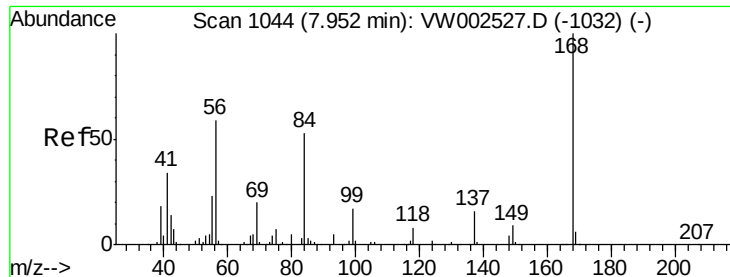
Tgt Ion: 42 Resp: 21468  
Ion Ratio Lower Upper  
42 100  
72 43.6 35.0 52.4  
71 42.4 33.0 49.6



#30  
Chloroform  
Concen: 9.83 ug/l  
RT: 7.67 min Scan# 998  
Delta R.T. -0.00 min  
Lab File: VW002525.D  
Acq: 14 May 2018 21:16

Tgt Ion: 83 Resp: 41837  
Ion Ratio Lower Upper  
83 100  
85 63.9 53.9 80.9

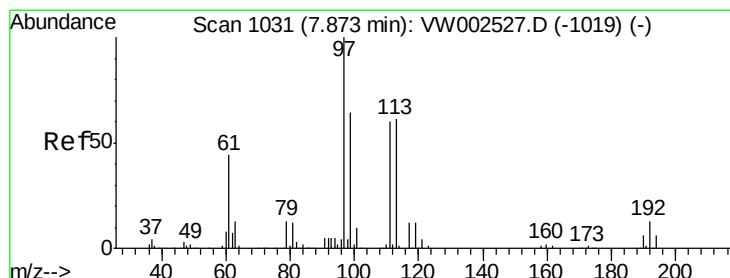
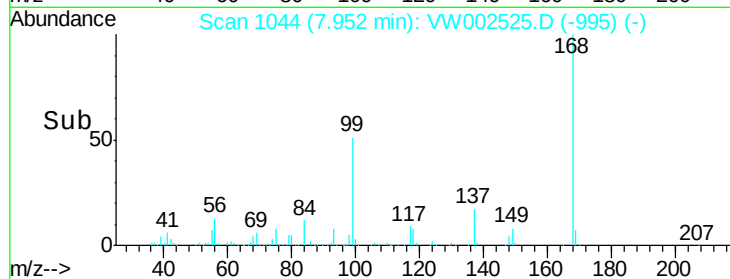
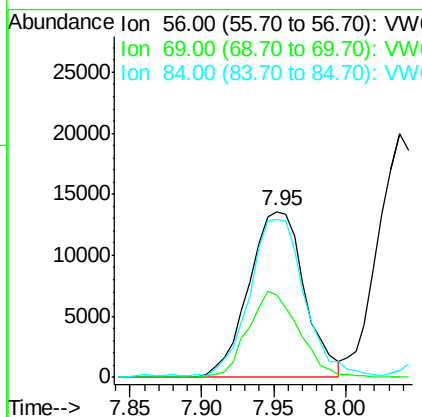
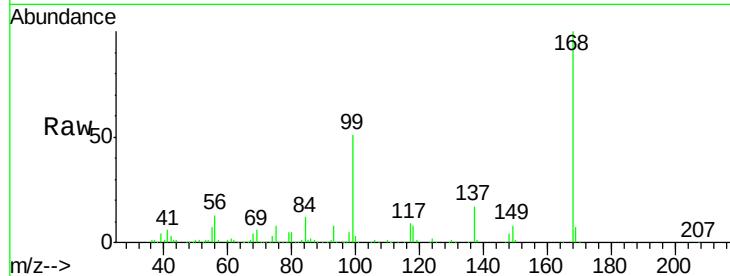




#31  
Cyclohexane  
Concen: 10.12 ug/l  
RT: 7.95 min Scan# 1044  
Delta R.T. -0.00 min  
Lab File: VW002525.D  
Acq: 14 May 2018 21:16

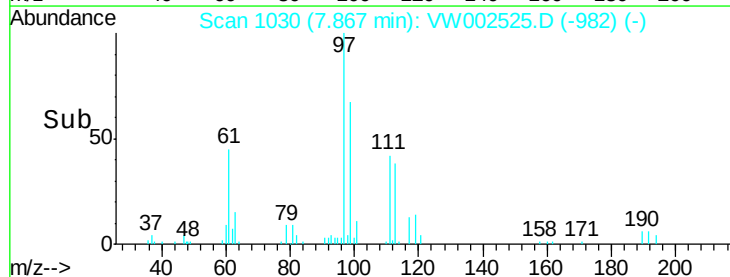
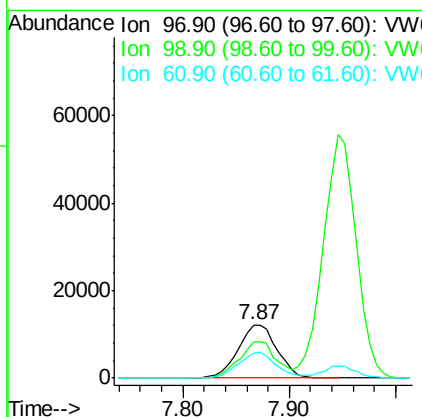
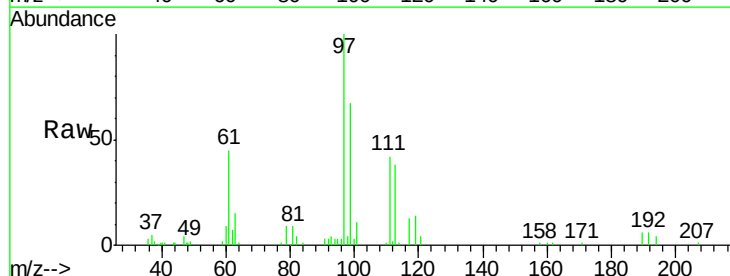
Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC010

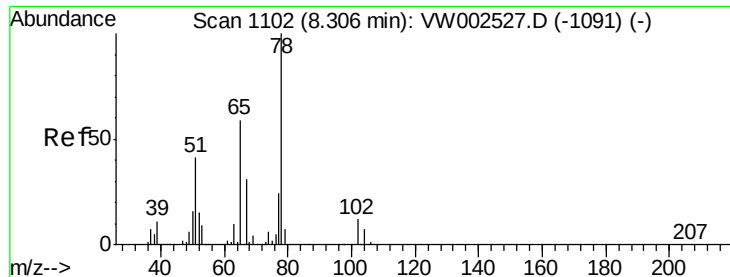
Tgt Ion: 56 Resp: 36533  
Ion Ratio Lower Upper  
56 100  
69 49.9 27.0 40.4#  
84 93.5 72.2 108.2



#32  
1,1,1-Trichloroethane  
Concen: 9.75 ug/l  
RT: 7.87 min Scan# 1030  
Delta R.T. -0.01 min  
Lab File: VW002525.D  
Acq: 14 May 2018 21:16

Tgt Ion: 97 Resp: 31297  
Ion Ratio Lower Upper  
97 100  
99 65.5 51.1 76.7  
61 47.1 35.9 53.9

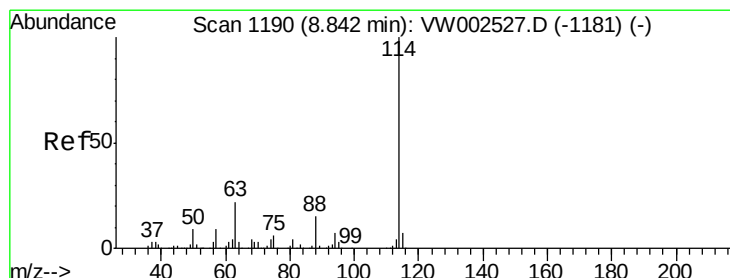
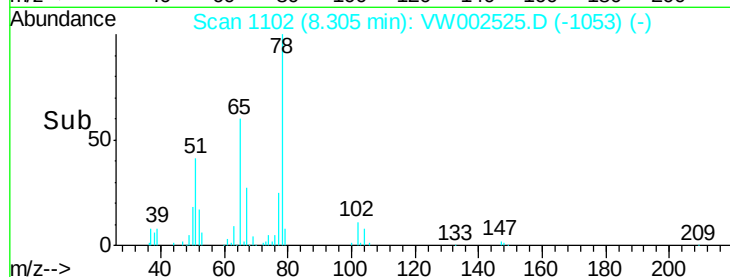
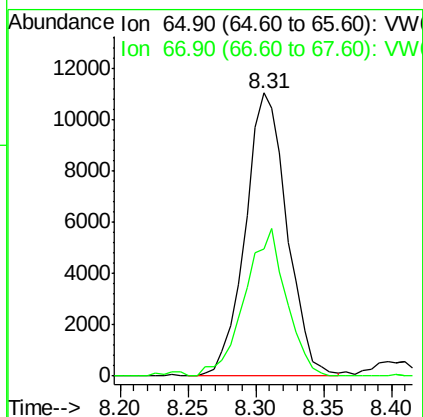
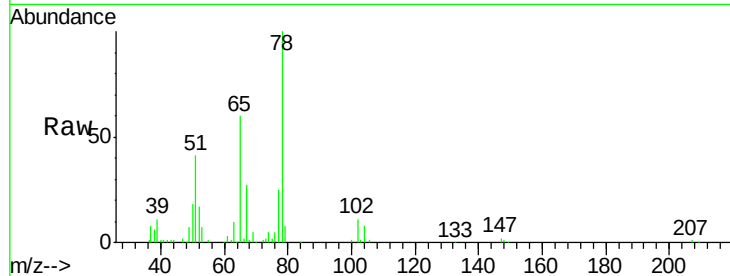




#33  
 1,2-Dichloroethane-d4  
 Concen: 9.69 ug/l  
 RT: 8.31 min Scan# 1102  
 Delta R.T. -0.00 min  
 Lab File: VW002525.D  
 Acq: 14 May 2018 21:16

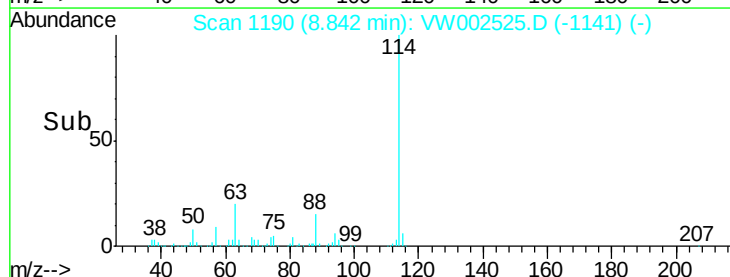
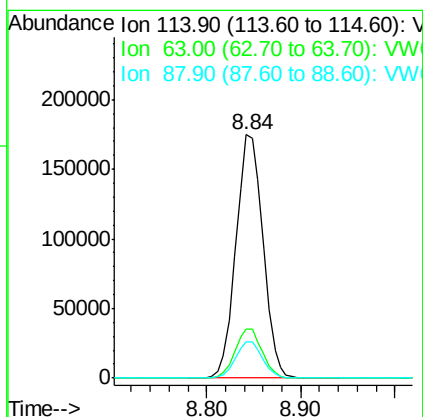
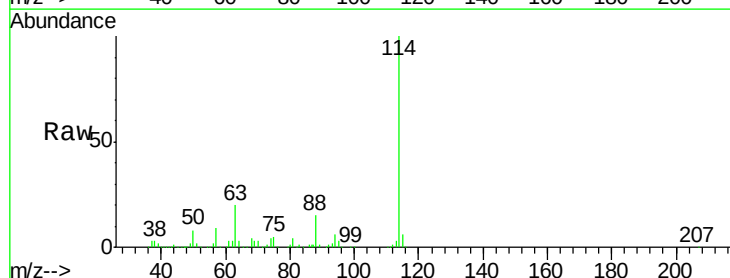
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC010

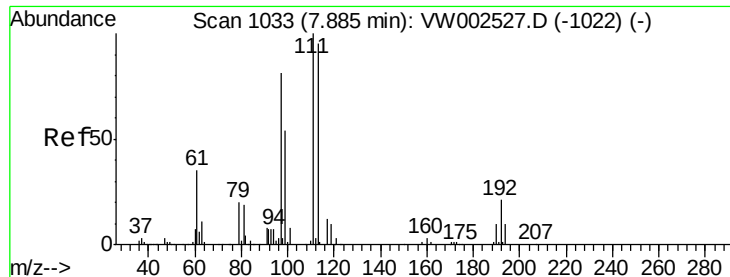
Tgt Ion: 65 Resp: 23722  
 Ion Ratio Lower Upper  
 65 100  
 67 51.9 0.0 104.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.84 min Scan# 1190  
 Delta R.T. -0.00 min  
 Lab File: VW002525.D  
 Acq: 14 May 2018 21:16

Tgt Ion: 114 Resp: 347098  
 Ion Ratio Lower Upper  
 114 100  
 63 20.4 0.0 43.2  
 88 14.9 0.0 29.2

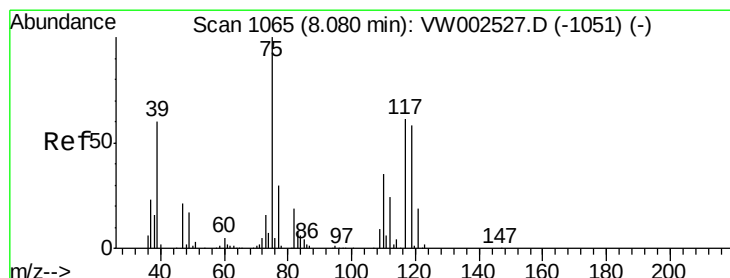
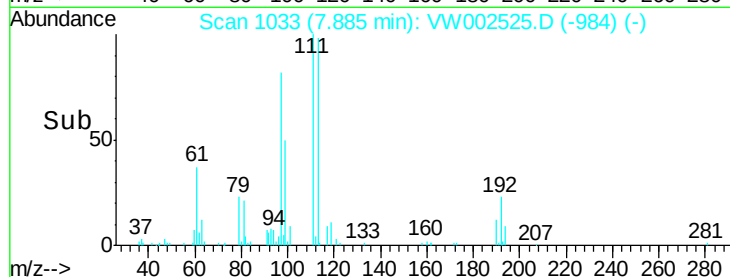
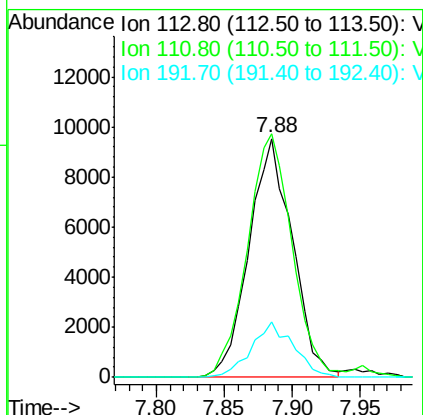
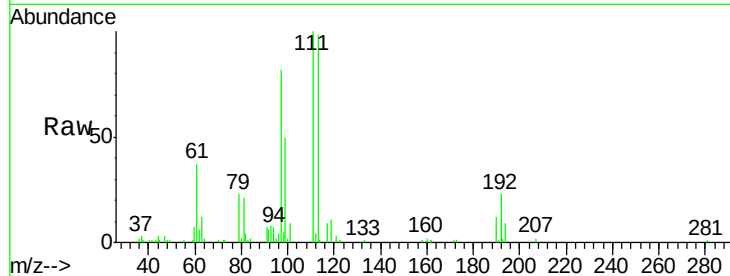




#35  
 Dibromofluoromethane  
 Concen: 9.64 ug/l  
 RT: 7.88 min Scan# 1033  
 Delta R.T. -0.00 min  
 Lab File: VW002525.D  
 Acq: 14 May 2018 21:16

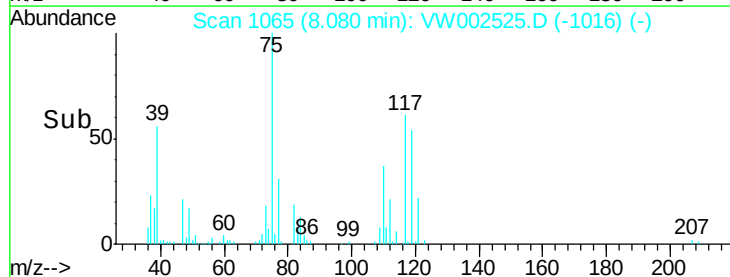
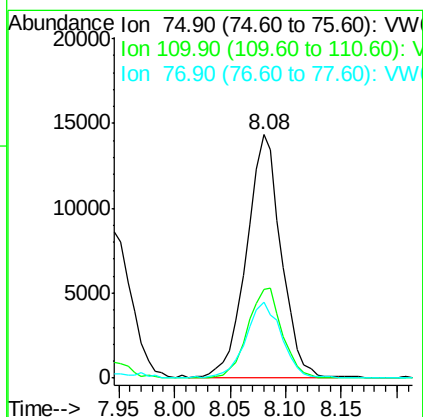
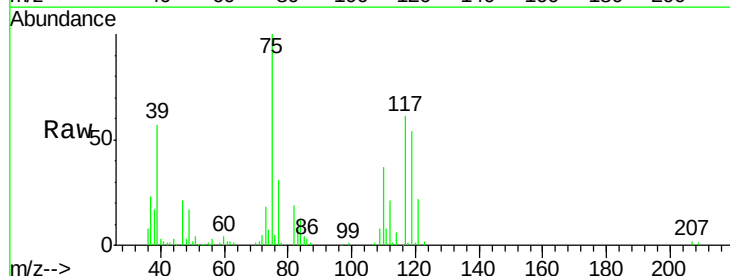
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC010

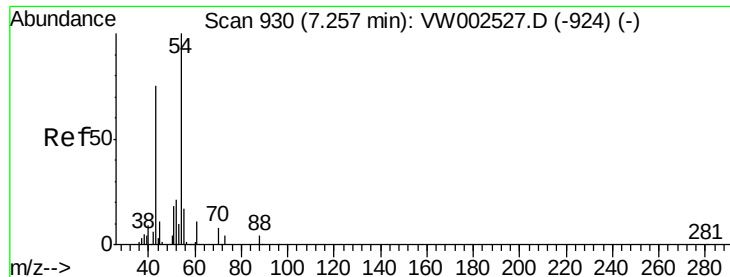
Tgt Ion: 113 Resp: 21311  
 Ion Ratio Lower Upper  
 113 100  
 111 105.4 81.8 122.8  
 192 22.5 17.5 26.3



#36  
 1,1-Dichloropropene  
 Concen: 9.95 ug/l  
 RT: 8.08 min Scan# 1065  
 Delta R.T. -0.00 min  
 Lab File: VW002525.D  
 Acq: 14 May 2018 21:16

Tgt Ion: 75 Resp: 31157  
 Ion Ratio Lower Upper  
 75 100  
 110 36.6 17.8 53.5  
 77 32.4 24.5 36.7

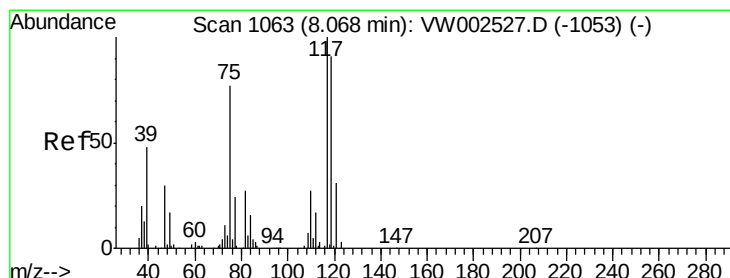
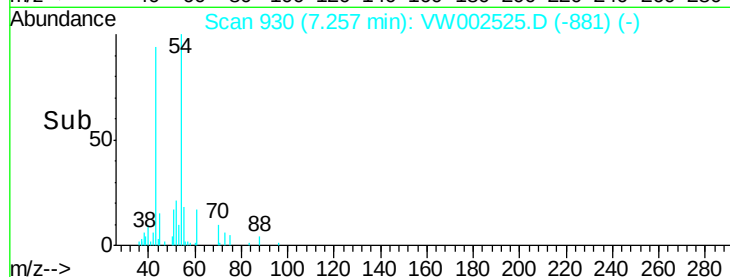
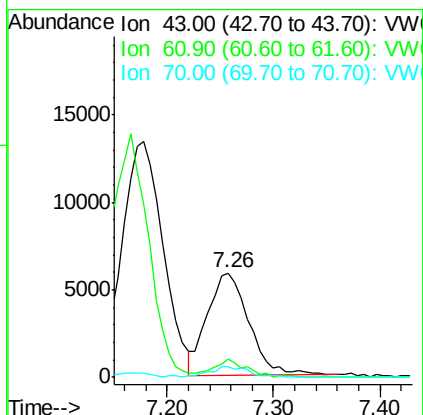
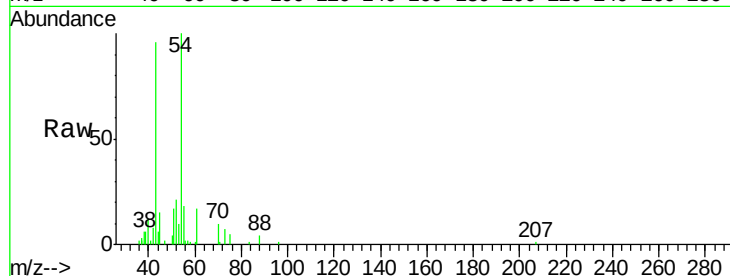




#37  
Ethyl Acetate  
Concen: 10.36 ug/l  
RT: 7.26 min Scan# 930  
Delta R.T. -0.00 min  
Lab File: VW002525.D  
Acq: 14 May 2018 21:16

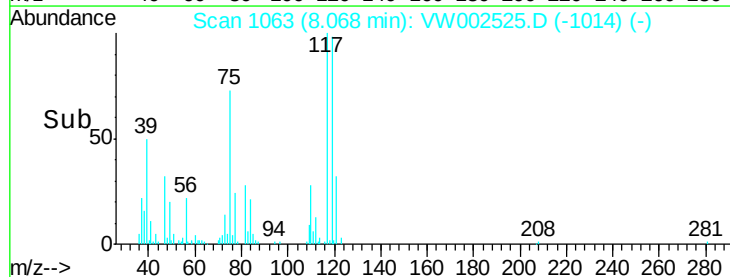
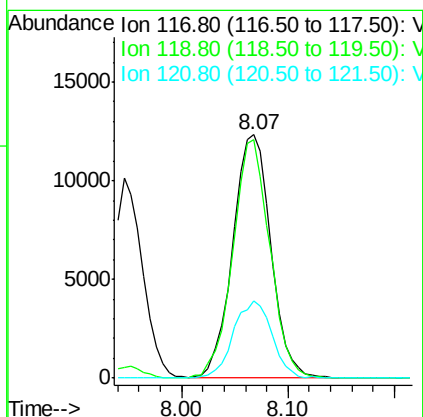
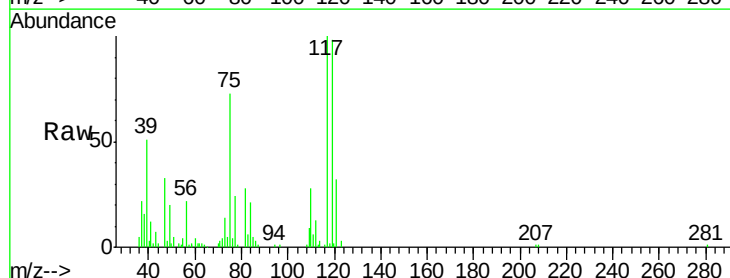
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC010

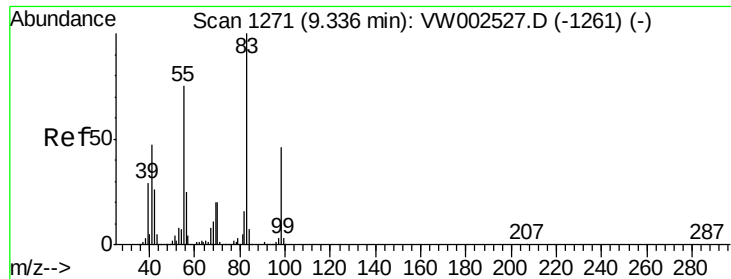
Tgt Ion: 43 Resp: 15955  
Ion Ratio Lower Upper  
43 100  
61 11.8 11.1 16.7  
70 9.9 7.8 11.8



#38  
Carbon Tetrachloride  
Concen: 10.22 ug/l  
RT: 8.07 min Scan# 1063  
Delta R.T. -0.00 min  
Lab File: VW002525.D  
Acq: 14 May 2018 21:16

Tgt Ion: 117 Resp: 31030  
Ion Ratio Lower Upper  
117 100  
119 98.1 73.1 109.7  
121 31.5 24.4 36.6

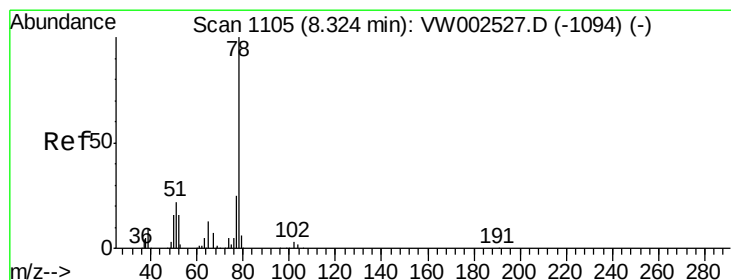
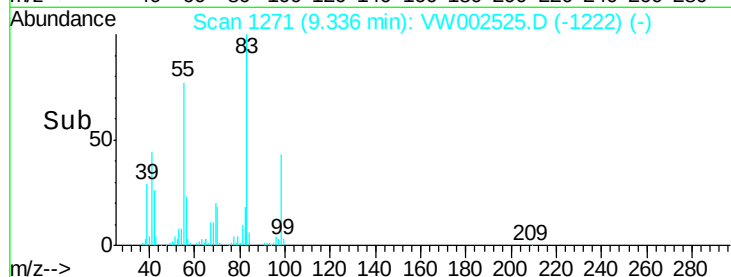
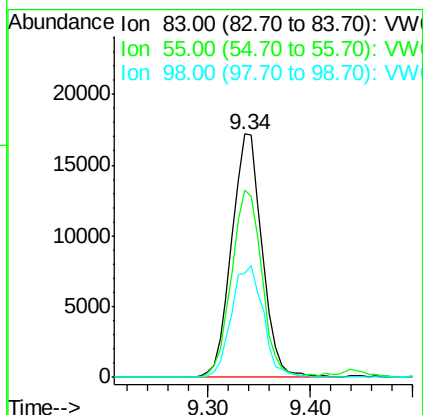
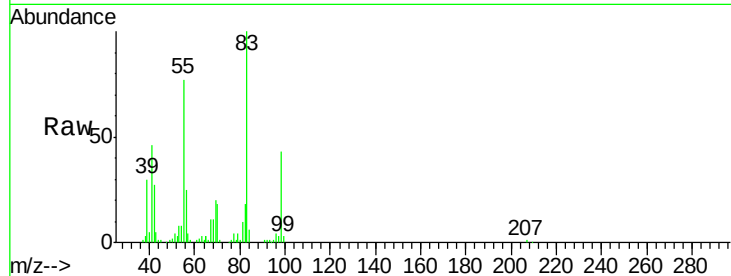




#39  
Methylcyclohexane  
Concen: 9.75 ug/l  
RT: 9.34 min Scan# 1271  
Delta R.T. -0.00 min  
Lab File: VW002525.D  
Acq: 14 May 2018 21:16

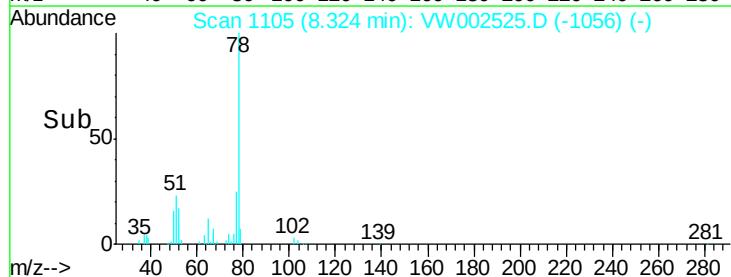
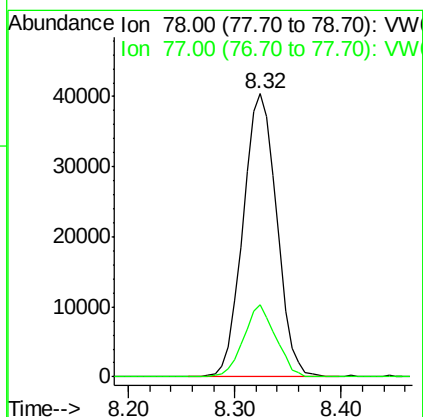
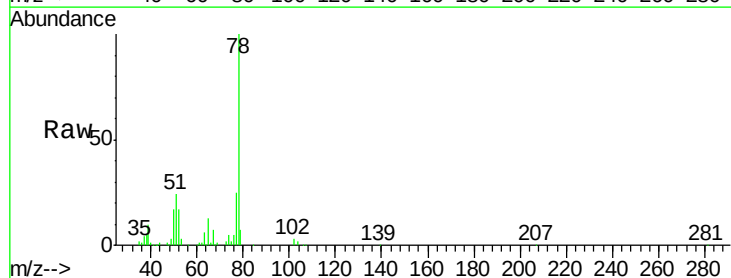
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC010

Tgt Ion: 83 Resp: 35502  
Ion Ratio Lower Upper  
83 100  
55 77.1 60.0 90.0  
98 42.8 37.0 55.4

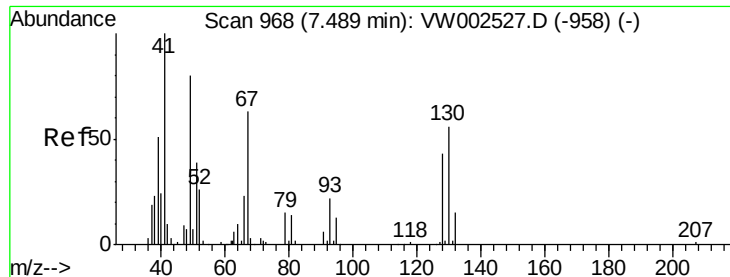


#40  
Benzene  
Concen: 9.88 ug/l  
RT: 8.32 min Scan# 1105  
Delta R.T. -0.00 min  
Lab File: VW002525.D  
Acq: 14 May 2018 21:16

Tgt Ion: 78 Resp: 89938  
Ion Ratio Lower Upper  
78 100  
77 25.3 19.9 29.9



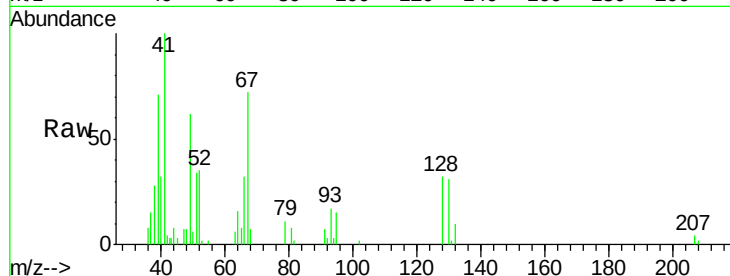




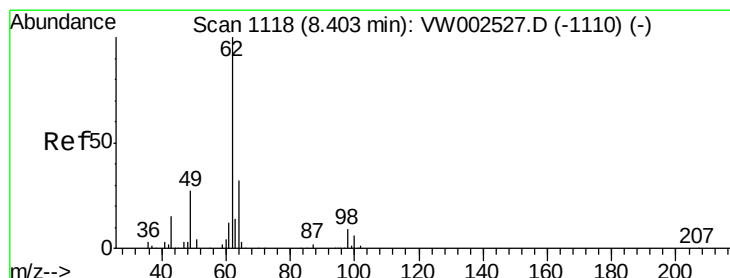
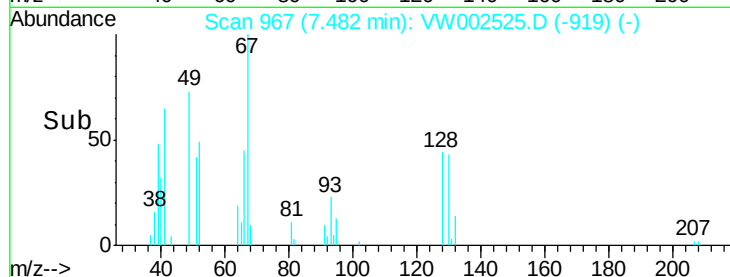
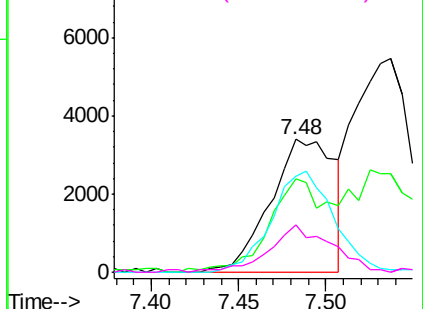
#41  
Methacrylonitrile  
Concen: 10.06 ug/l  
RT: 7.48 min Scan# 967  
Delta R.T. -0.01 min  
Lab File: VW002525.D  
Acq: 14 May 2018 21:16

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC010

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 8700  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 66.1  | 51.8  | 77.8  |
| 67       | 74.2  | 59.9  | 89.9  |
| 52       | 34.2  | 26.6  | 39.8  |

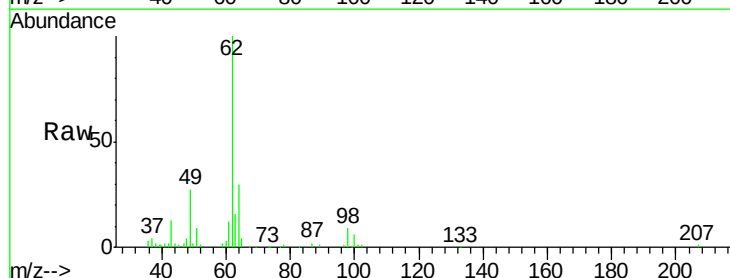


Abundance Ion 41.00 (40.70 to 41.70): VW  
Ion 39.00 (38.70 to 39.70): VW  
Ion 67.00 (66.70 to 67.70): VW  
Ion 52.00 (51.70 to 52.70): VW

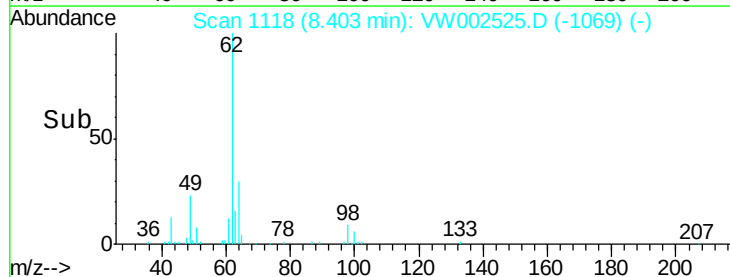
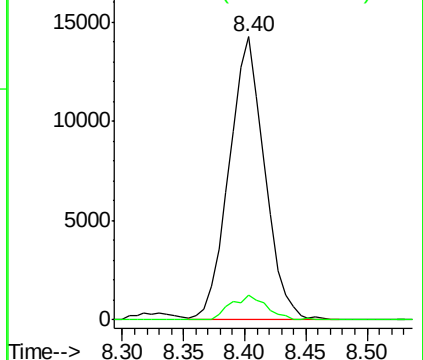


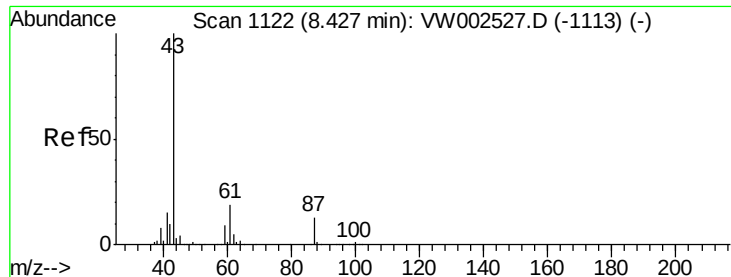
#42  
1,2-Dichloroethane  
Concen: 10.03 ug/l  
RT: 8.40 min Scan# 1118  
Delta R.T. -0.00 min  
Lab File: VW002525.D  
Acq: 14 May 2018 21:16

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 28662 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 8.9   | 0.0   | 17.8  |



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





#43

Isopropyl Acetate

Concen: 9.70 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC010

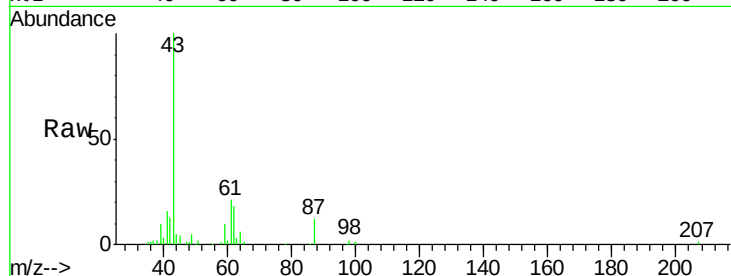
Tgt Ion: 43 Resp: 28342

Ion Ratio Lower Upper

43 100

61 30.5 23.0 34.6

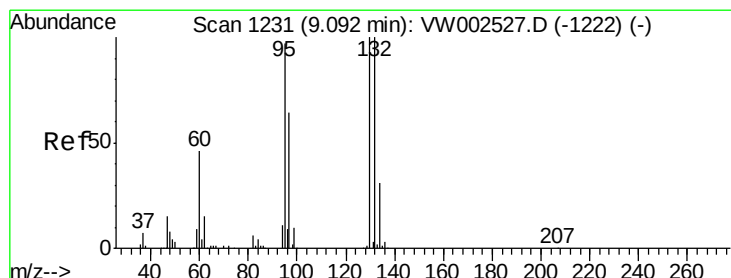
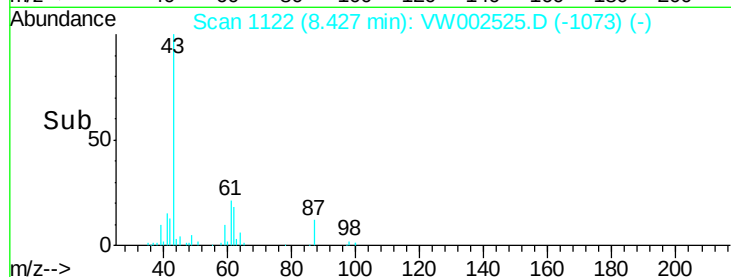
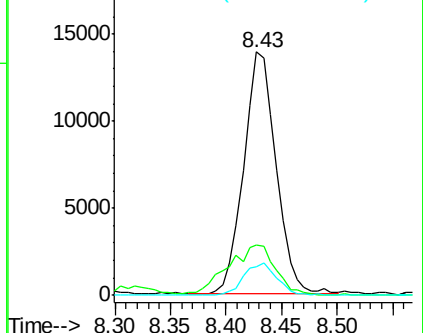
87 13.7 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 10.10 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VW002525.D

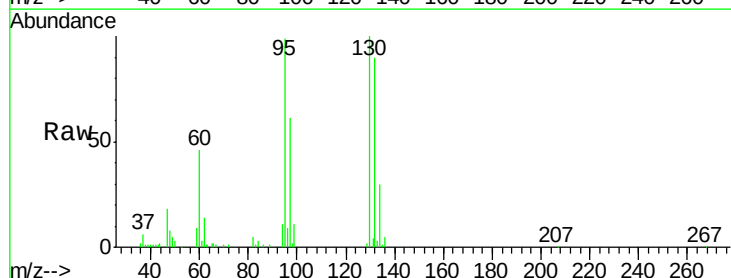
Acq: 14 May 2018 21:16

Tgt Ion: 130 Resp: 25156

Ion Ratio Lower Upper

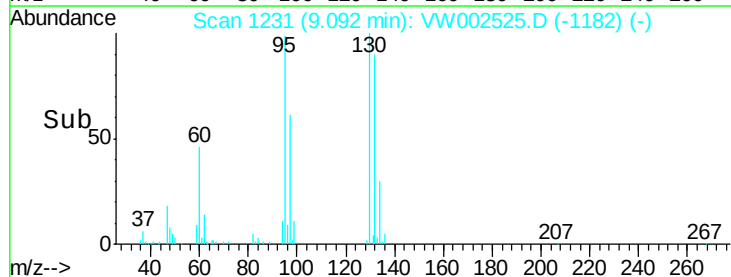
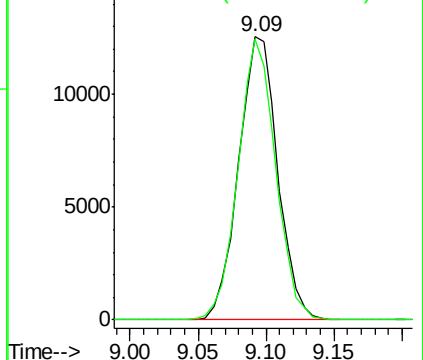
130 100

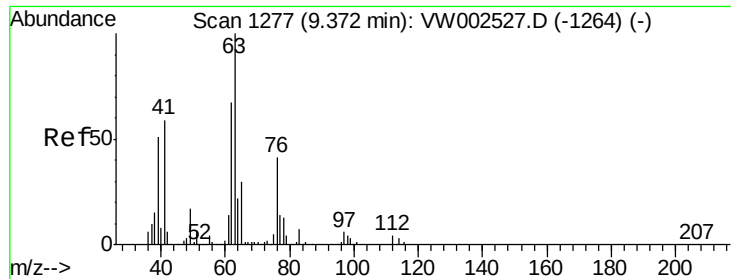
95 99.4 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

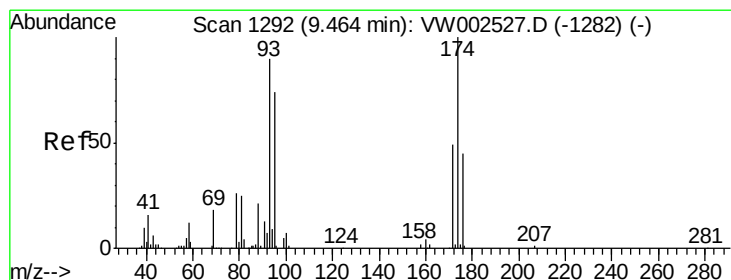
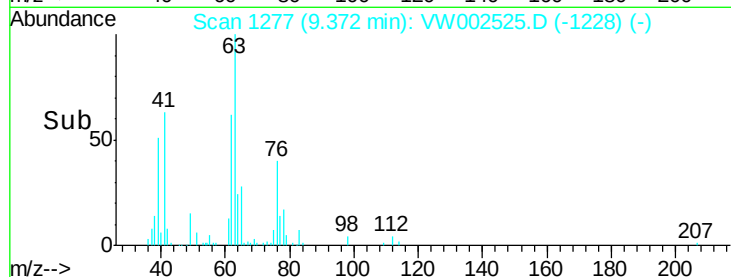
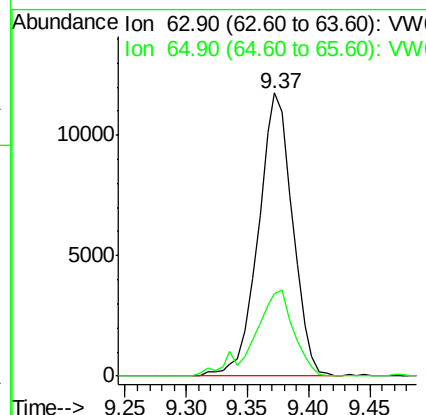
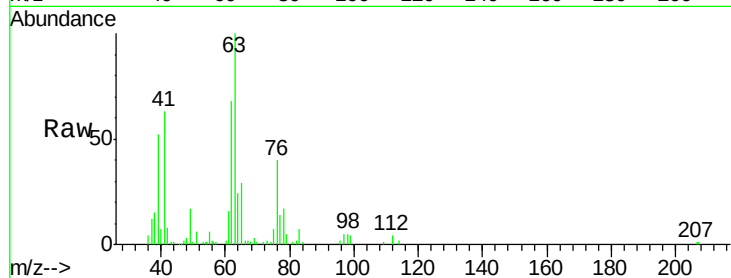




#45  
 1,2-Dichloropropane  
 Concen: 9.97 ug/l  
 RT: 9.37 min Scan# 1277  
 Delta R.T. -0.00 min  
 Lab File: VW002525.D  
 Acq: 14 May 2018 21:16

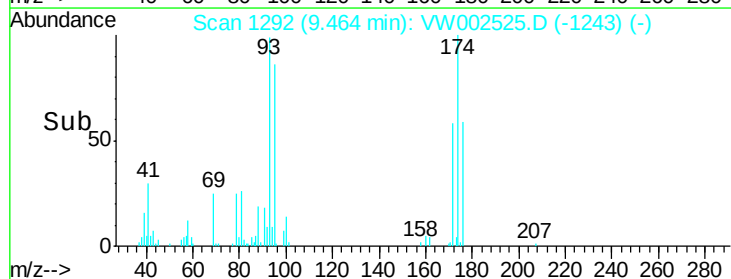
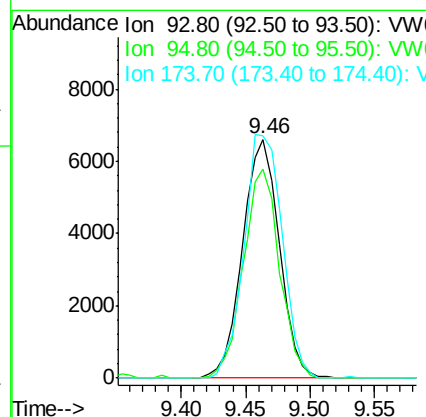
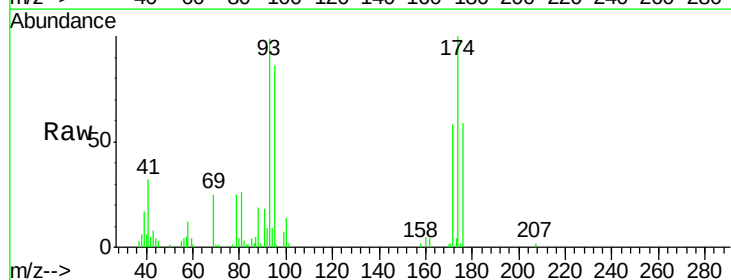
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC010

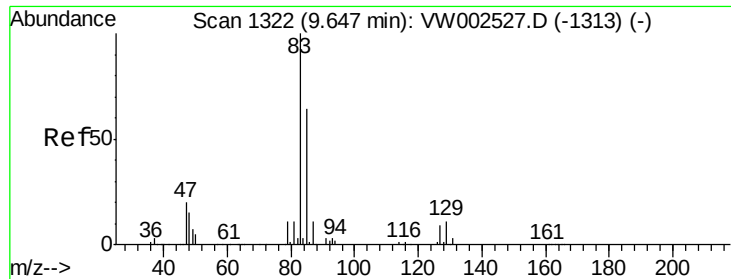
Tgt Ion: 63 Resp: 22874  
 Ion Ratio Lower Upper  
 63 100  
 65 29.1 24.4 36.6



#46  
 Dibromomethane  
 Concen: 10.16 ug/l  
 RT: 9.46 min Scan# 1292  
 Delta R.T. -0.00 min  
 Lab File: VW002525.D  
 Acq: 14 May 2018 21:16

Tgt Ion: 93 Resp: 13068  
 Ion Ratio Lower Upper  
 93 100  
 95 85.5 66.6 100.0  
 174 106.2 84.0 126.0





#47

Bromodichloromethane

Concen: 9.79 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC010

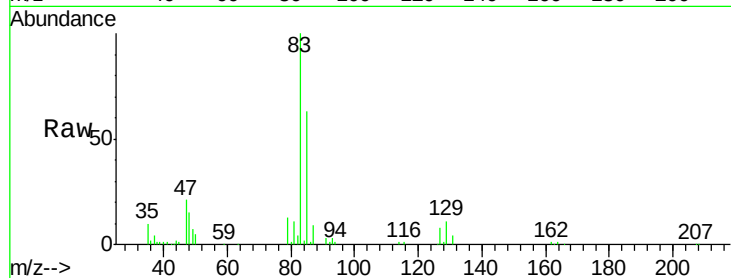
Tgt Ion: 83 Resp: 29628

Ion Ratio Lower Upper

83 100

85 62.6 51.4 77.2

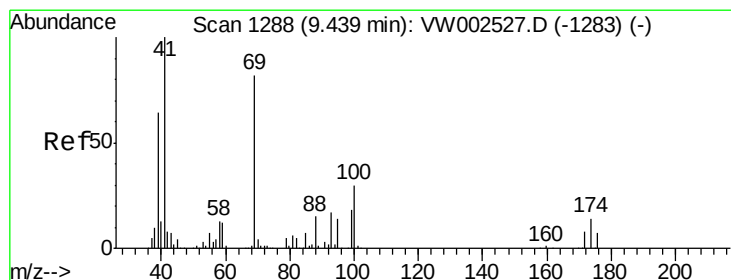
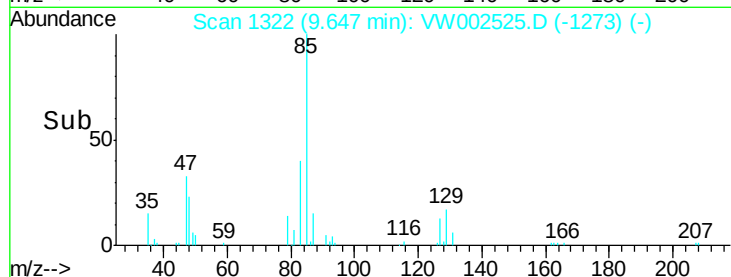
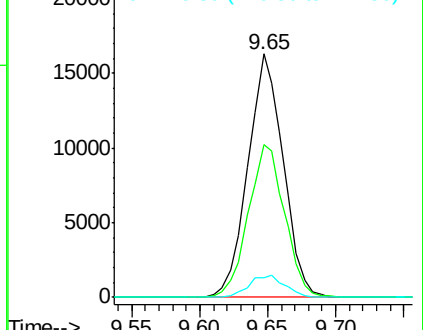
127 7.9 7.0 10.4



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): VW



#48

Methyl methacrylate

Concen: 10.35 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

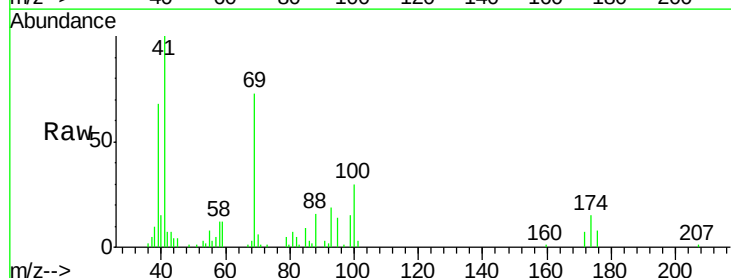
Tgt Ion: 41 Resp: 14653

Ion Ratio Lower Upper

41 100

69 80.6 69.7 104.5

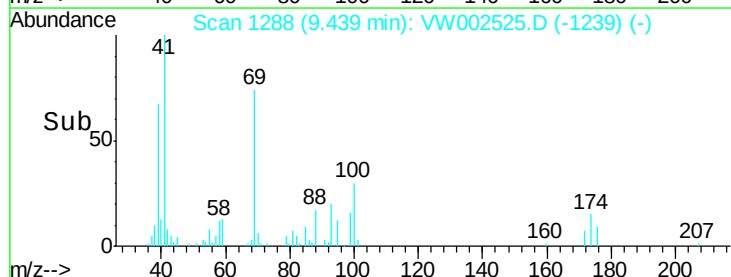
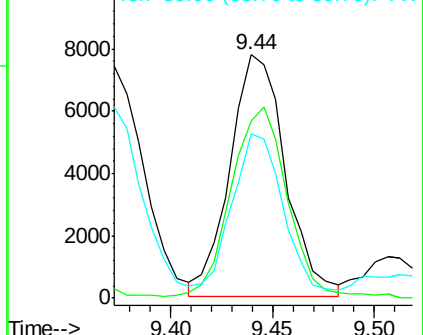
39 65.5 55.0 82.4

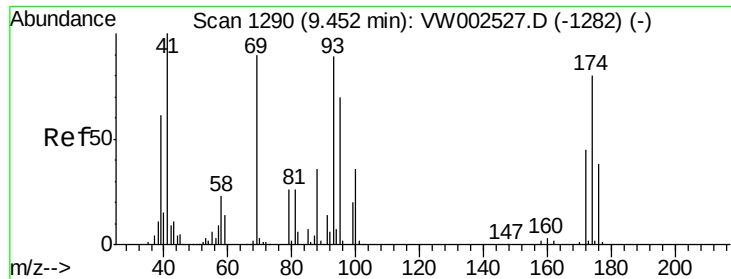


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 204.06 ug/l

RT: 9.46 min Scan# 1291

Delta R.T. 0.01 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC010

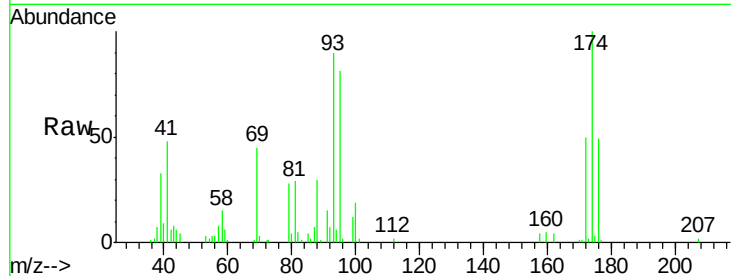
Tgt Ion: 88 Resp: 4233

Ion Ratio Lower Upper

88 100

43 33.8 27.0 40.4

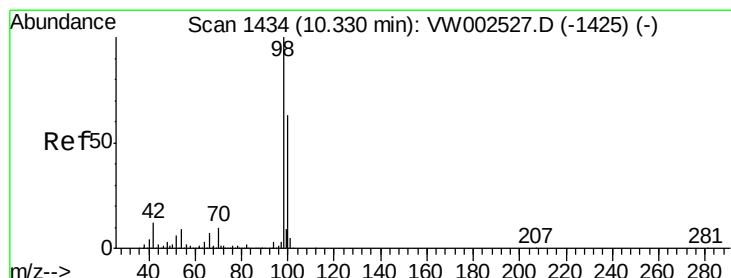
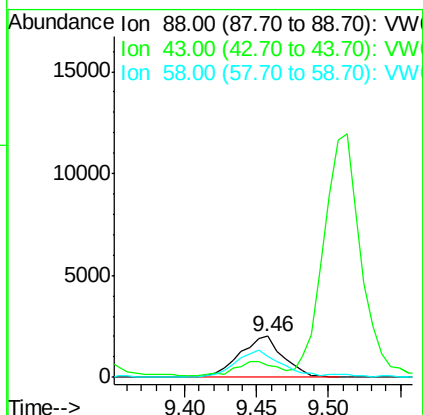
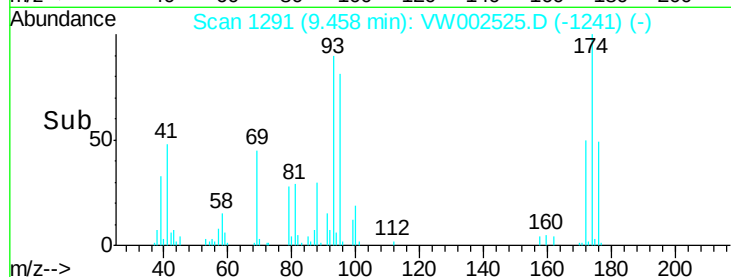
58 68.0 56.9 85.3



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 9.54 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002525.D

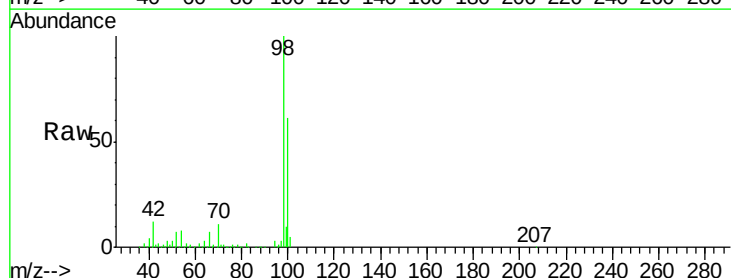
Acq: 14 May 2018 21:16

Tgt Ion: 98 Resp: 80620

Ion Ratio Lower Upper

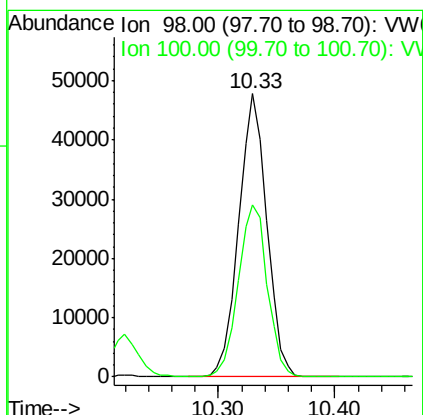
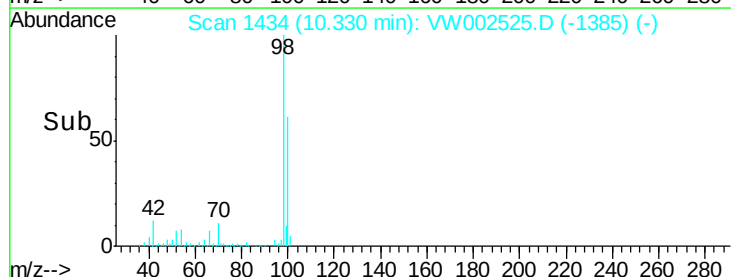
98 100

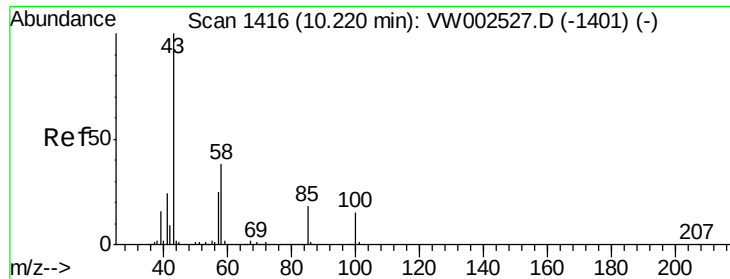
100 63.0 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

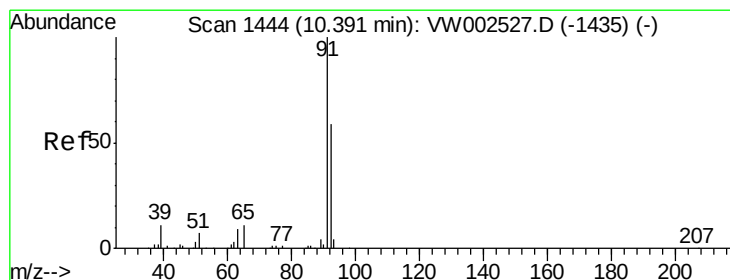
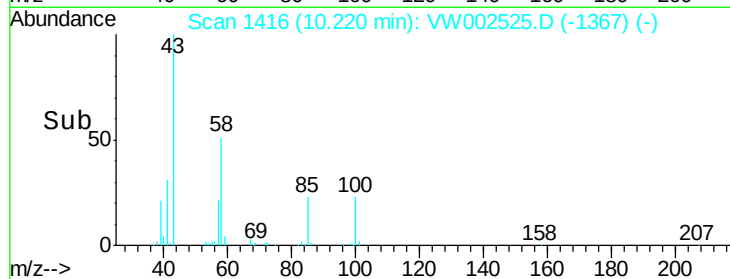
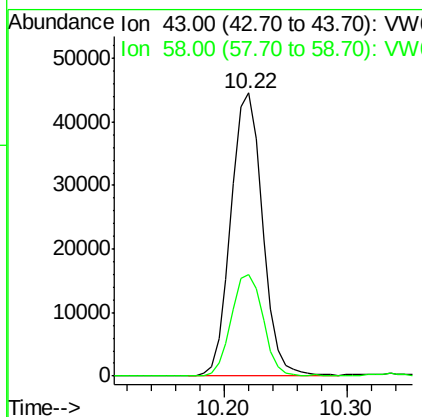
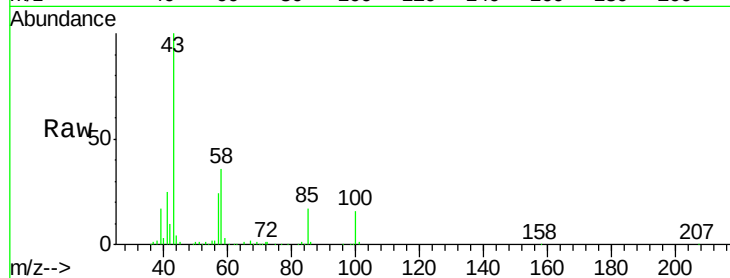




#51  
 4-Methyl-2-Pentanone  
 Concen: 49.11 ug/l  
 RT: 10.22 min Scan# 1416  
 Delta R.T. -0.00 min  
 Lab File: VW002525.D  
 Acq: 14 May 2018 21:16

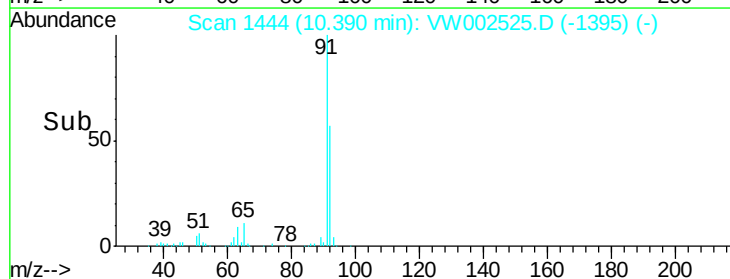
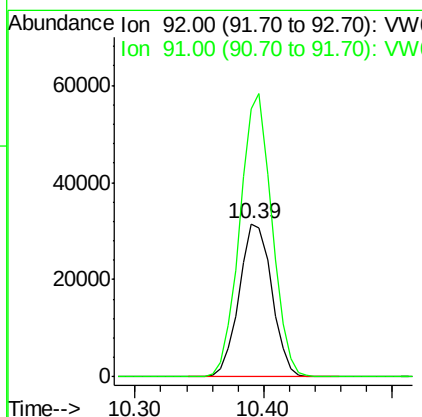
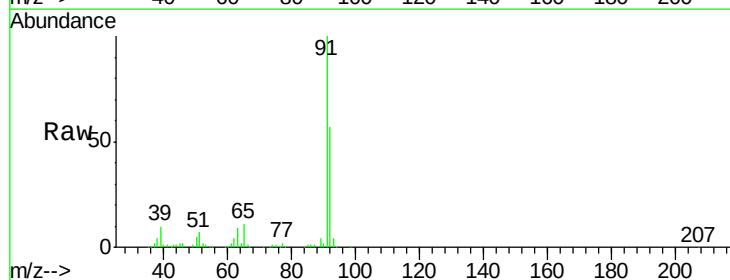
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC010

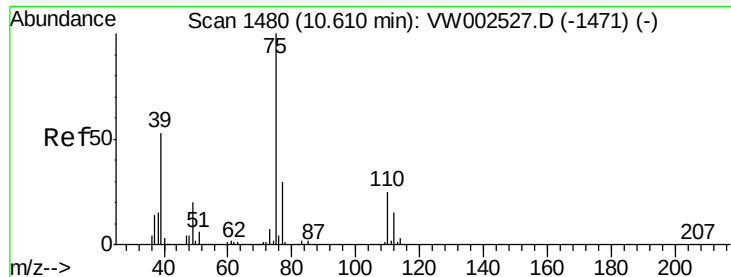
Tgt Ion: 43 Resp: 79463  
 Ion Ratio Lower Upper  
 43 100  
 58 36.4 30.1 45.1



#52  
 Toluene  
 Concen: 9.57 ug/l  
 RT: 10.39 min Scan# 1444  
 Delta R.T. -0.00 min  
 Lab File: VW002525.D  
 Acq: 14 May 2018 21:16

Tgt Ion: 92 Resp: 55343  
 Ion Ratio Lower Upper  
 92 100  
 91 180.3 139.1 208.7





#53

t-1,3-Dichloropropene

Concen: 9.62 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Instrument :

MSVOA\_W

ClientSampleId :

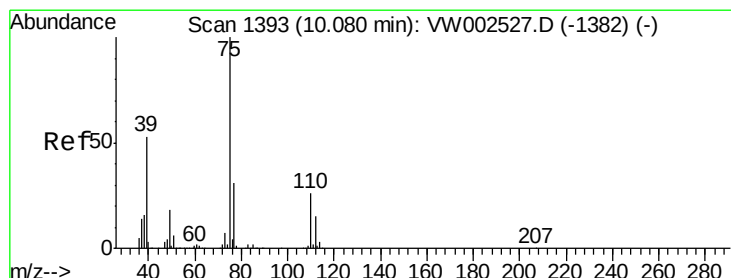
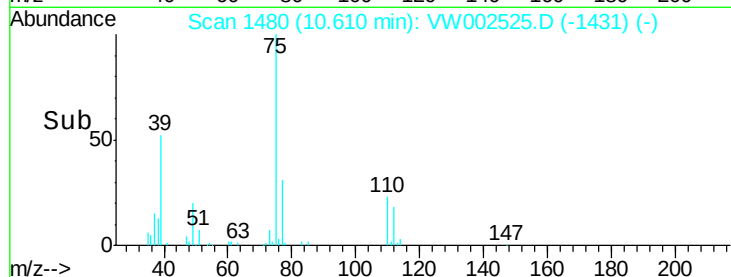
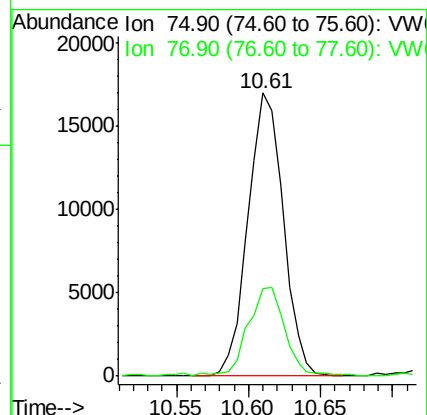
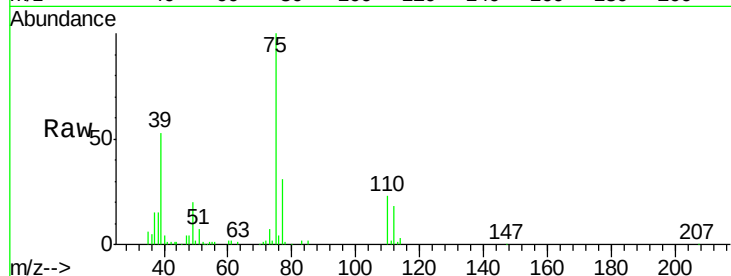
VSTDIC010

Tgt Ion: 75 Resp: 28882

Ion Ratio Lower Upper

75 100

77 30.4 24.1 36.1



#54

cis-1,3-Dichloropropene

Concen: 9.77 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

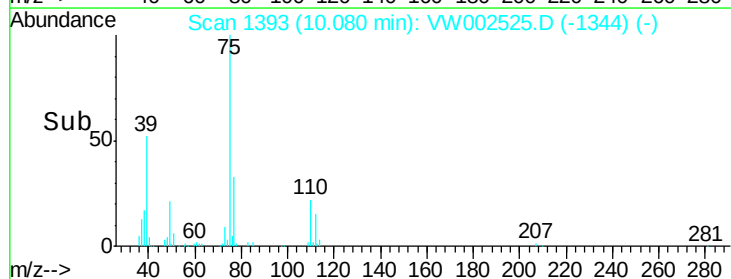
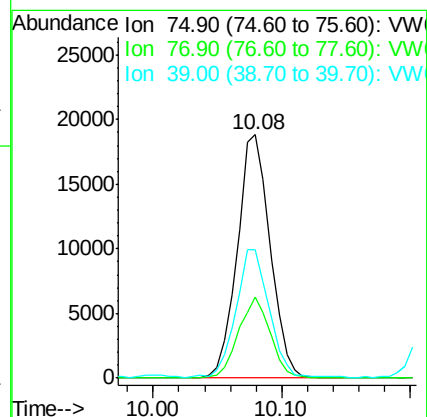
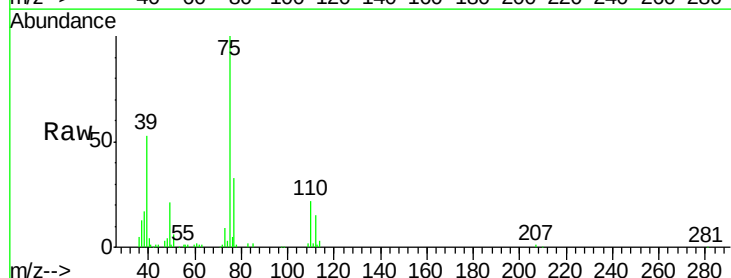
Tgt Ion: 75 Resp: 33316

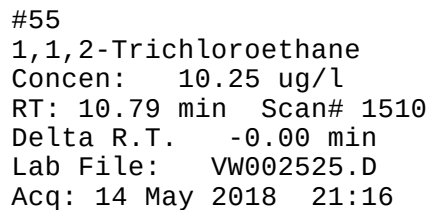
Ion Ratio Lower Upper

75 100

77 33.1 25.0 37.4

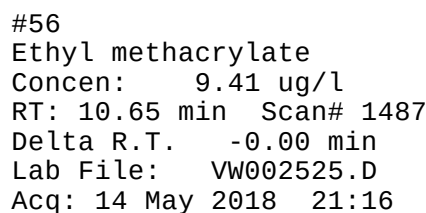
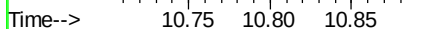
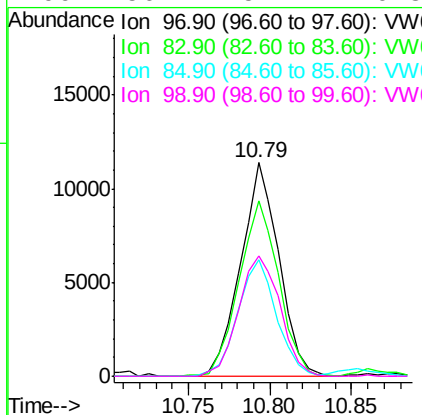
39 52.5 42.5 63.7



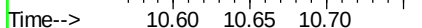
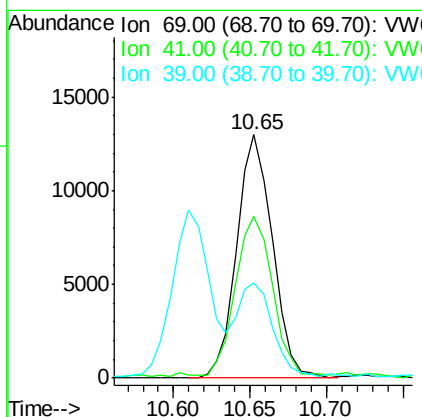


**Instrument :**  
MSVOA\_W  
**ClientSampleId :**  
VSTDICC010

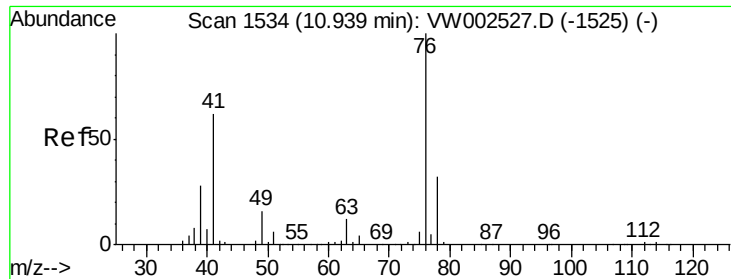
|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion: 97 | Resp: | 18567 |
| Ion | Ratio   | Lower | Upper |
| 97  | 100     |       |       |
| 83  | 82.2    | 68.1  | 102.1 |
| 85  | 54.4    | 43.6  | 65.4  |
| 99  | 56.1    | 51.2  | 76.8  |



|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion: 69 | Resp: | 21122 |
| Ion | Ratio   | Lower | Upper |
| 69  | 100     |       |       |
| 41  | 67.2    | 55.3  | 82.9  |
| 39  | 38.2    | 33.0  | 49.6  |



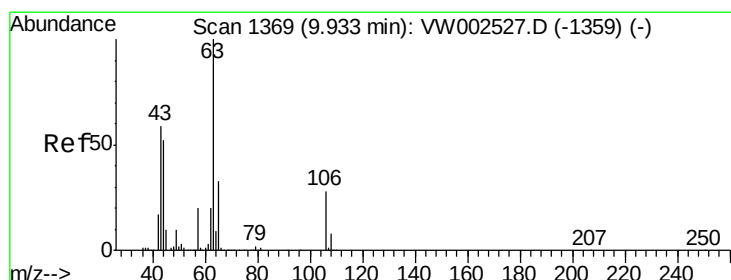
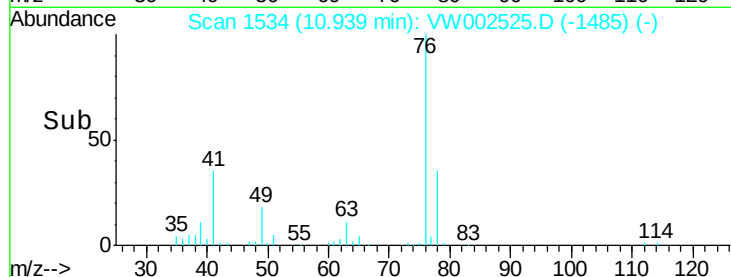
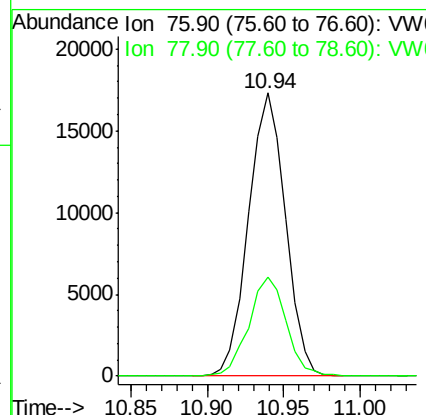
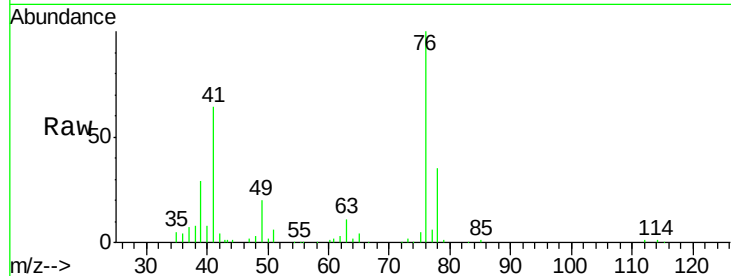




#57  
 1,3-Dichloropropane  
 Concen: 9.47 ug/l  
 RT: 10.94 min Scan# 1534  
 Delta R.T. -0.00 min  
 Lab File: VW002525.D  
 Acq: 14 May 2018 21:16

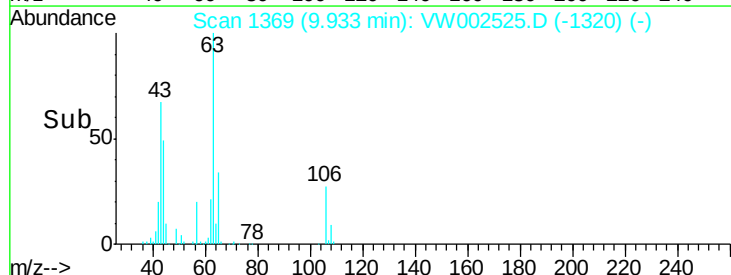
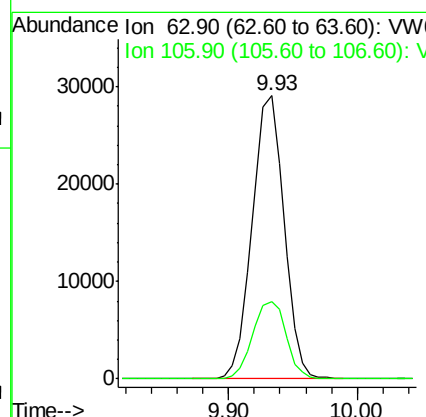
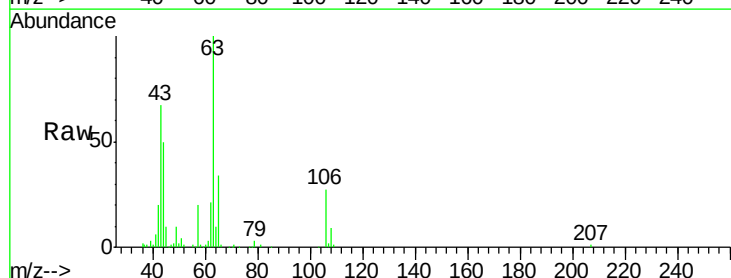
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC010

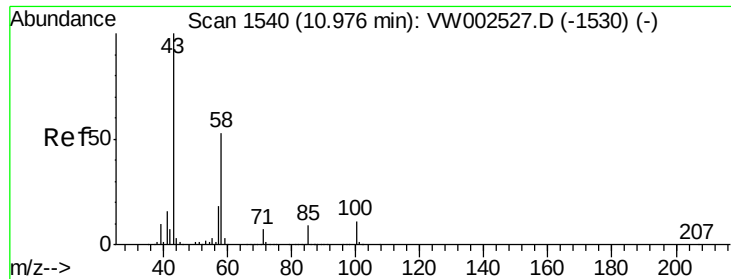
Tgt Ion: 76 Resp: 29135  
 Ion Ratio Lower Upper  
 76 100  
 78 35.3 25.6 38.4



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 45.51 ug/l  
 RT: 9.93 min Scan# 1369  
 Delta R.T. -0.00 min  
 Lab File: VW002525.D  
 Acq: 14 May 2018 21:16

Tgt Ion: 63 Resp: 49626  
 Ion Ratio Lower Upper  
 63 100  
 106 28.6 22.9 34.3

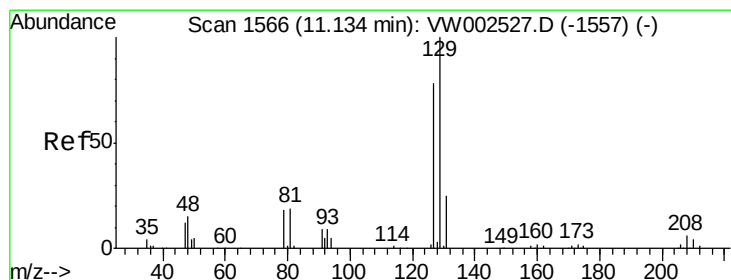
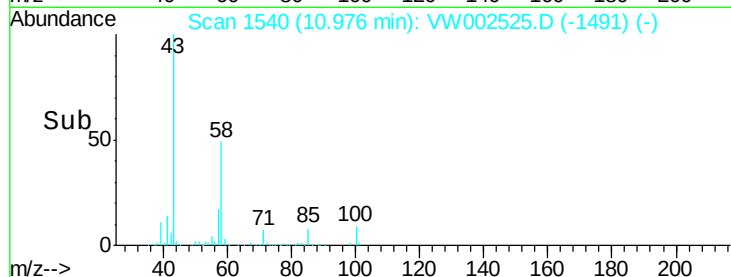
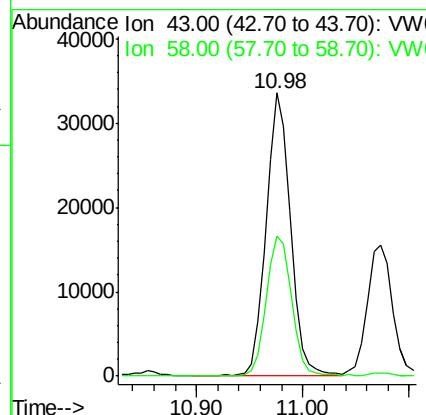
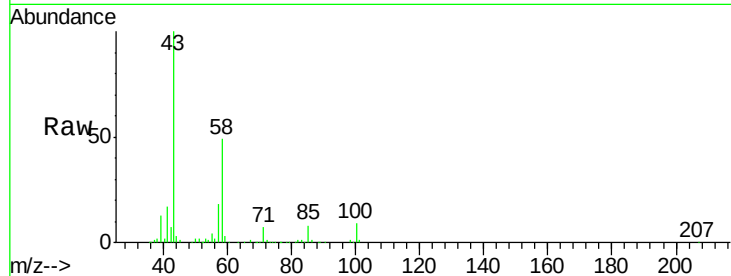




#59  
2-Hexanone  
Concen: 48.93 ug/l  
RT: 10.98 min Scan# 1540  
Delta R.T. -0.00 min  
Lab File: VW002525.D  
Acq: 14 May 2018 21:16

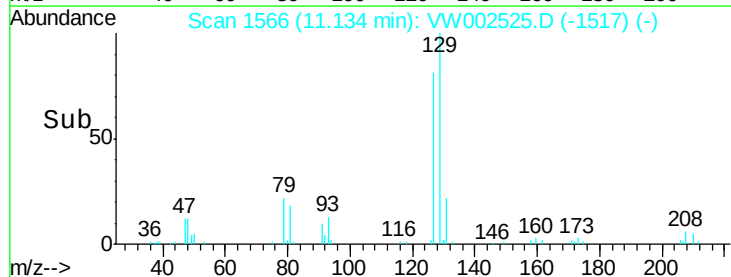
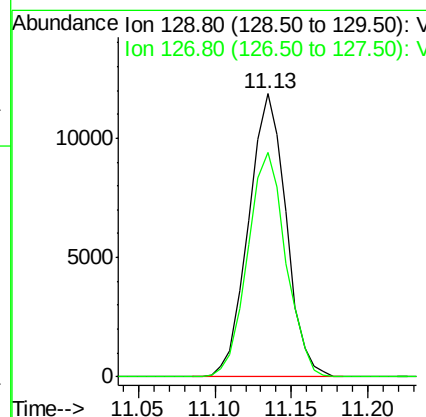
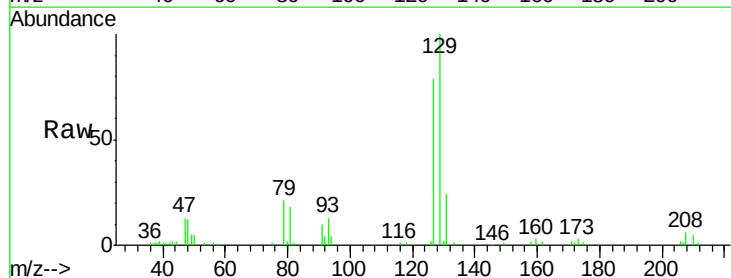
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC010

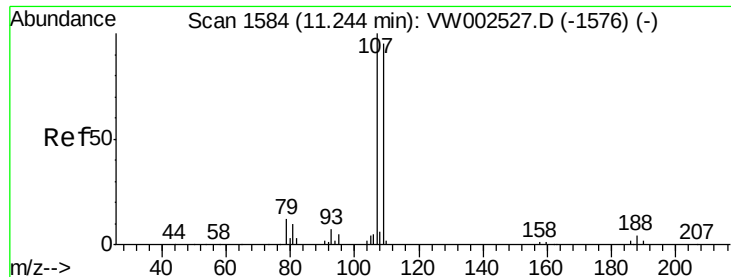
Tgt Ion: 43 Resp: 54249  
Ion Ratio Lower Upper  
43 100  
58 51.3 26.3 78.8



#60  
Dibromochloromethane  
Concen: 9.48 ug/l  
RT: 11.13 min Scan# 1566  
Delta R.T. -0.00 min  
Lab File: VW002525.D  
Acq: 14 May 2018 21:16

Tgt Ion: 129 Resp: 20301  
Ion Ratio Lower Upper  
129 100  
127 80.6 38.6 115.7

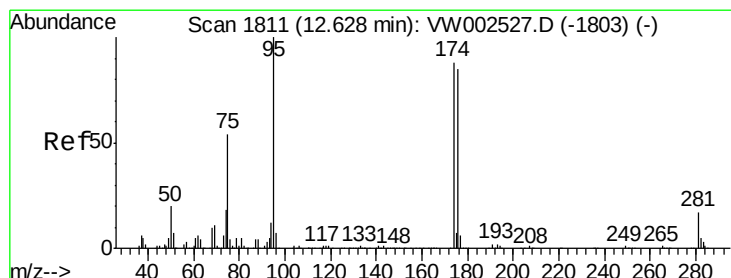
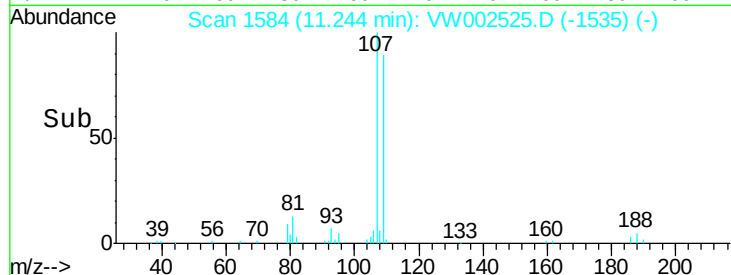
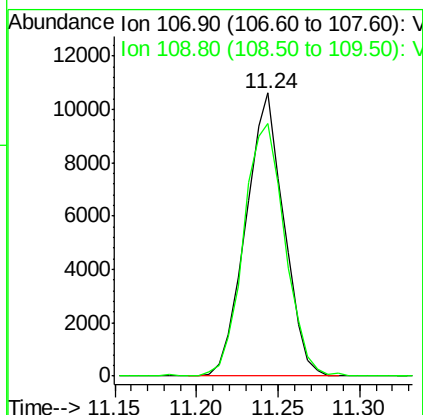
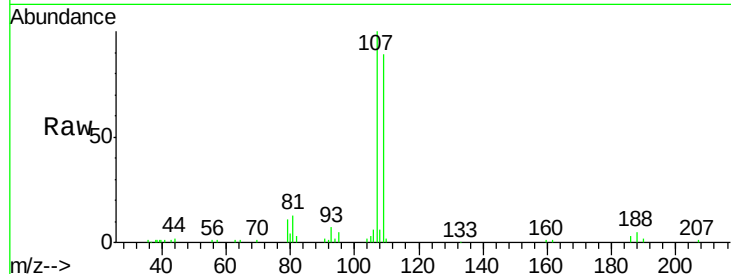




#61  
 1,2-Dibromoethane  
 Concen: 9.77 ug/l  
 RT: 11.24 min Scan# 1584  
 Delta R.T. -0.00 min  
 Lab File: VW002525.D  
 Acq: 14 May 2018 21:16

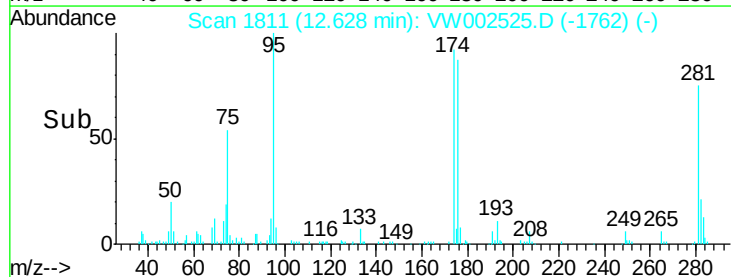
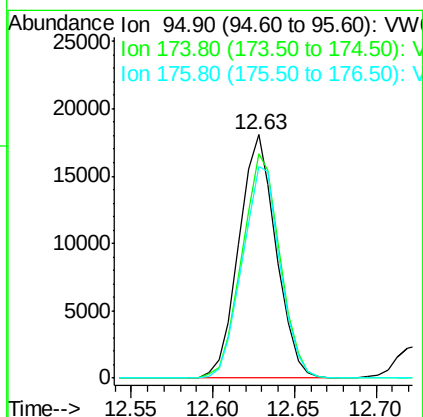
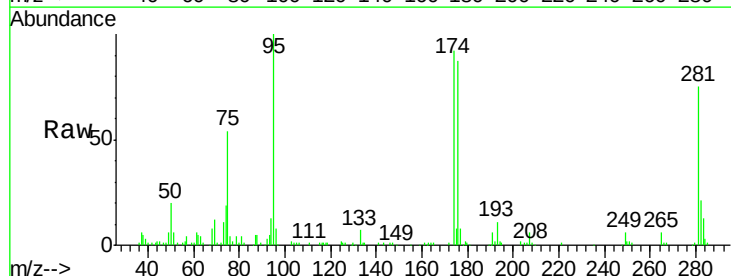
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC010

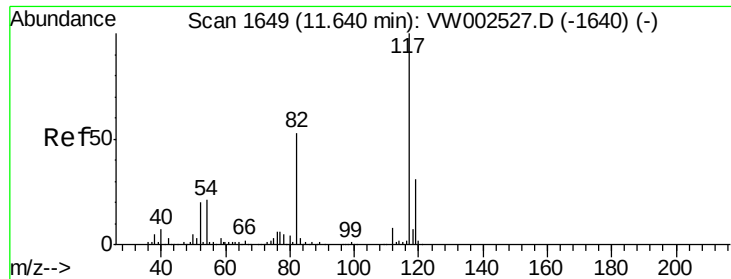
Tgt Ion: 107 Resp: 17255  
 Ion Ratio Lower Upper  
 107 100  
 109 96.9 75.4 113.2



#62  
 4-Bromofluorobenzene  
 Concen: 9.37 ug/l  
 RT: 12.63 min Scan# 1811  
 Delta R.T. -0.00 min  
 Lab File: VW002525.D  
 Acq: 14 May 2018 21:16

Tgt Ion: 95 Resp: 28627  
 Ion Ratio Lower Upper  
 95 100  
 174 93.8 0.0 176.6  
 176 89.0 0.0 172.2

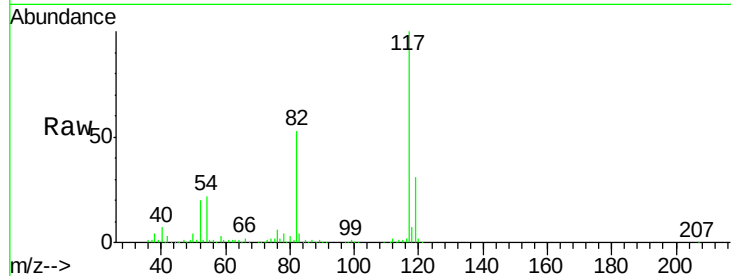




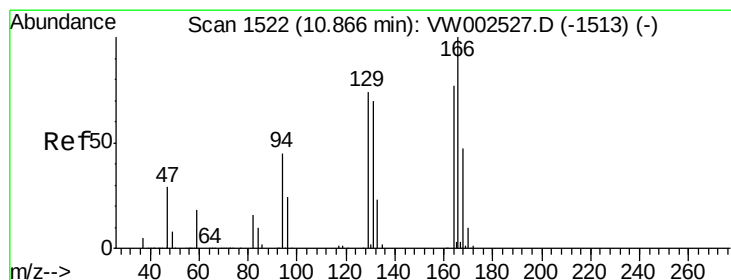
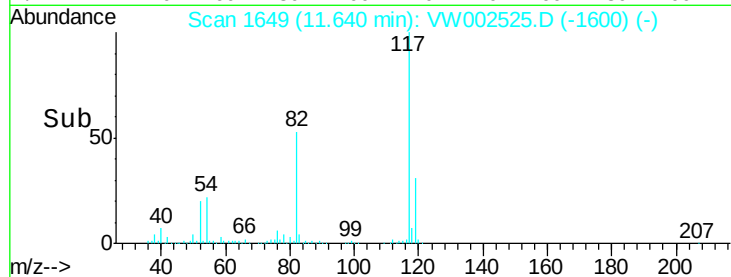
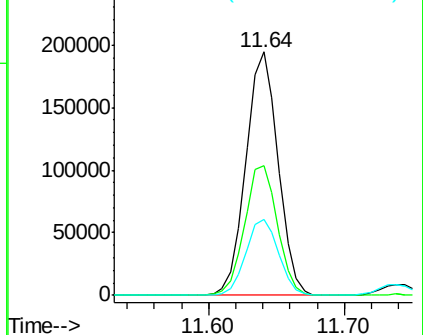
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.64 min Scan# 1649  
Delta R.T. -0.00 min  
Lab File: VW002525.D  
Acq: 14 May 2018 21:16

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC010

Tgt Ion:117 Resp: 321944  
Ion Ratio Lower Upper  
117 100  
82 53.1 42.6 64.0  
119 31.3 25.0 37.6

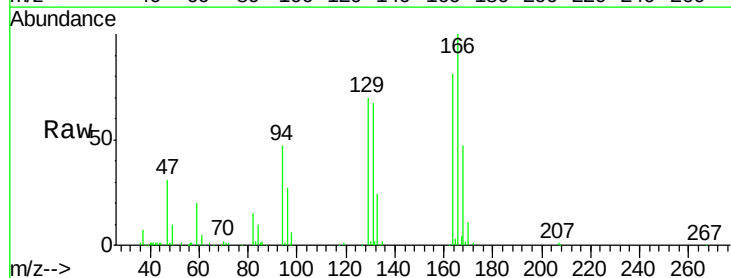


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

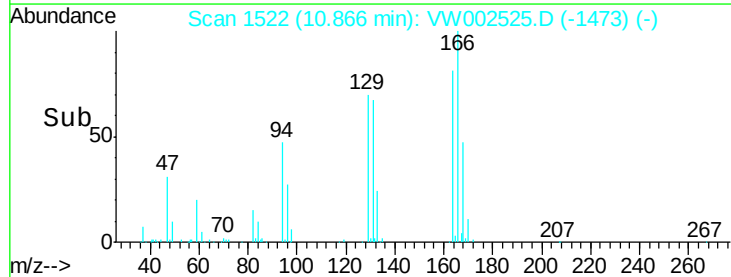
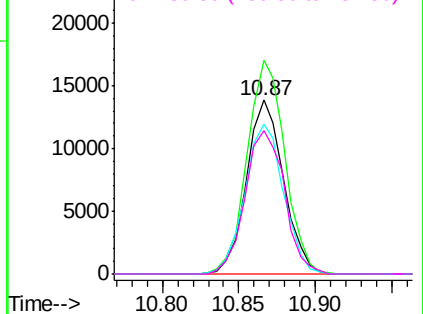


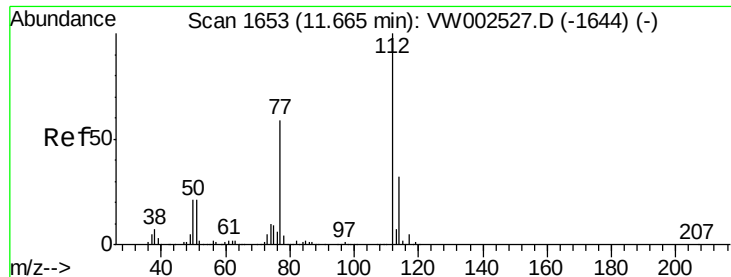
#64  
Tetrachloroethene  
Concen: 9.53 ug/l  
RT: 10.87 min Scan# 1522  
Delta R.T. -0.00 min  
Lab File: VW002525.D  
Acq: 14 May 2018 21:16

Tgt Ion:164 Resp: 23300  
Ion Ratio Lower Upper  
164 100  
166 123.0 104.2 156.2  
129 86.5 77.0 115.4  
131 82.3 73.1 109.7



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





#65

Chlorobenzene

Concen: 9.99 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Instrument :

MSVOA\_W

ClientSampled :

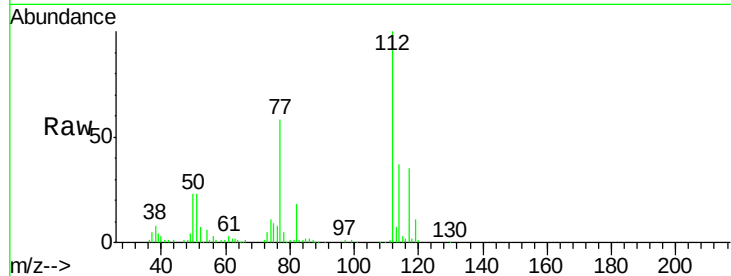
VSTDIC010

Tgt Ion:112 Resp: 65356

Ion Ratio Lower Upper

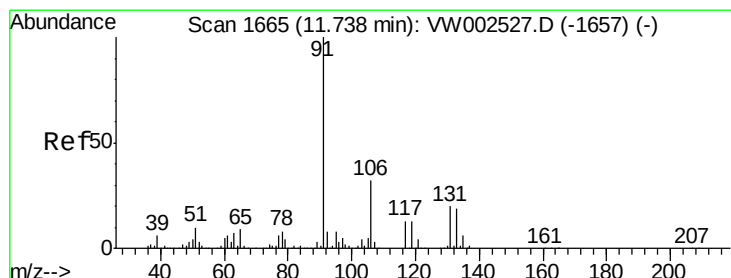
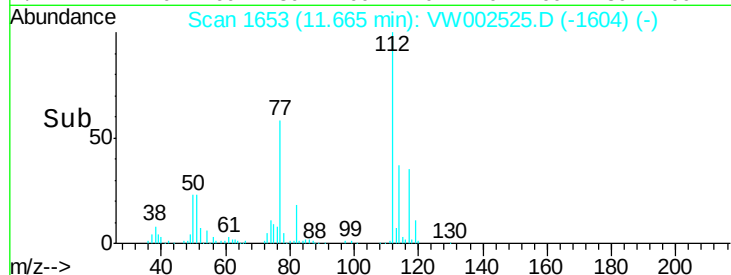
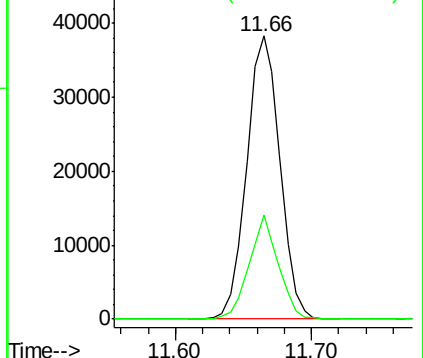
112 100

114 36.7 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 9.74 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

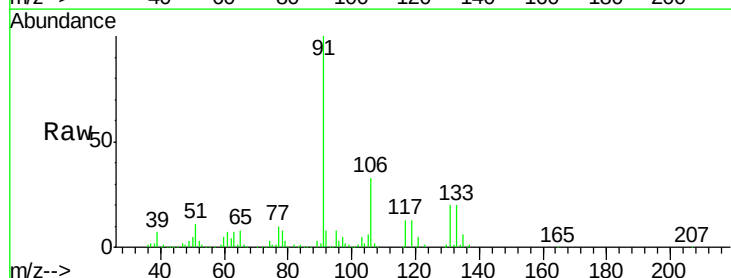
Tgt Ion:131 Resp: 22775

Ion Ratio Lower Upper

131 100

133 95.2 48.4 145.3

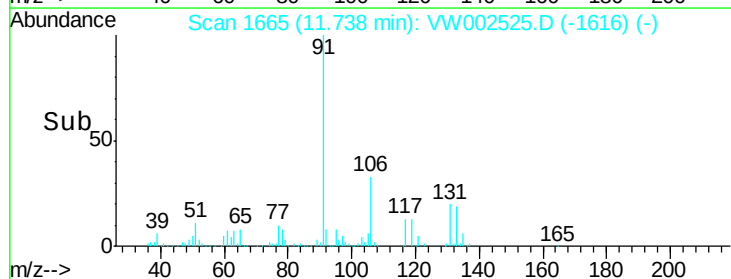
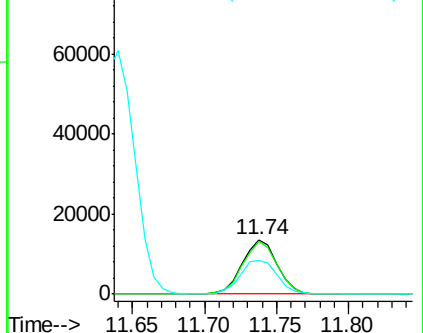
119 66.3 32.2 96.6

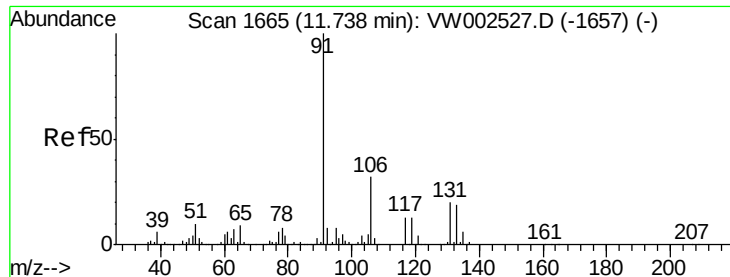


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

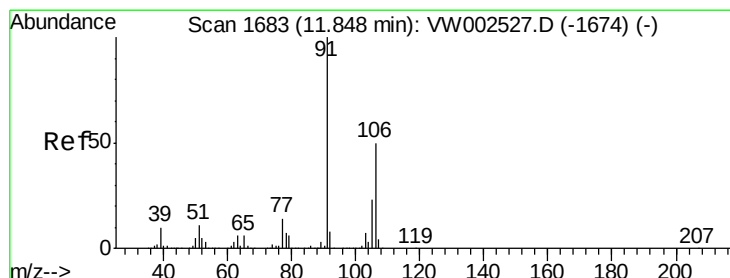
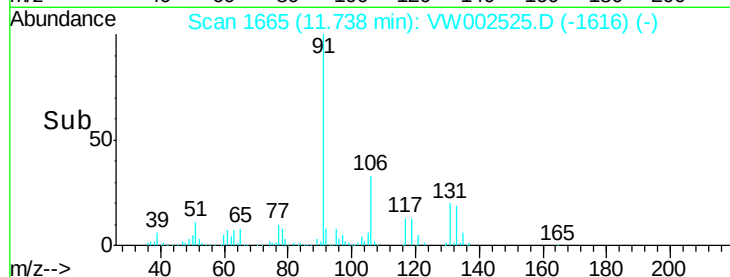
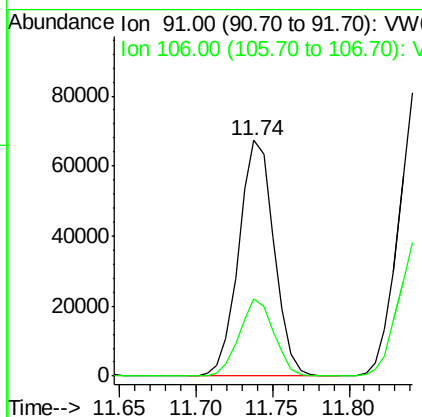
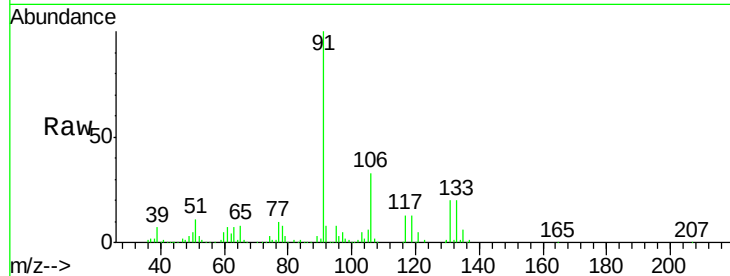




#67  
Ethyl Benzene  
Concen: 9.54 ug/l  
RT: 11.74 min Scan# 1665  
Delta R.T. -0.00 min  
Lab File: VW002525.D  
Acq: 14 May 2018 21:16

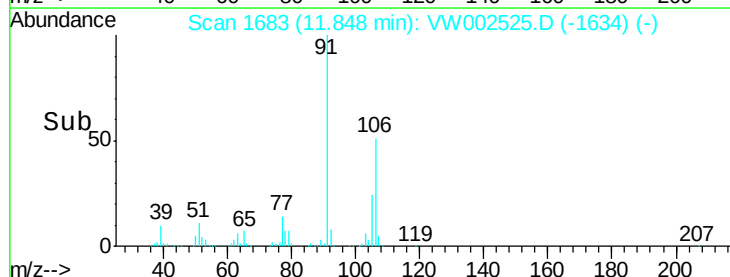
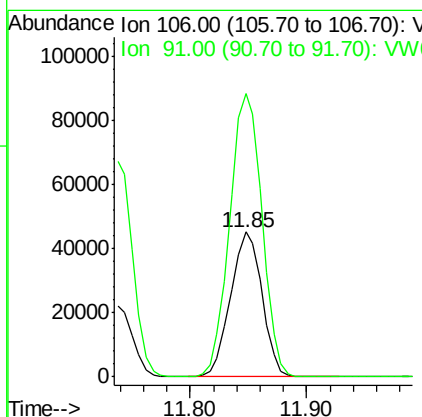
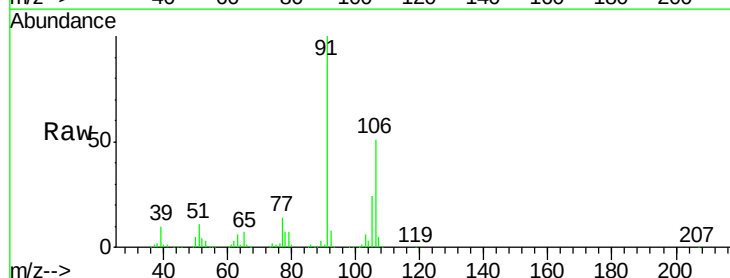
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC010

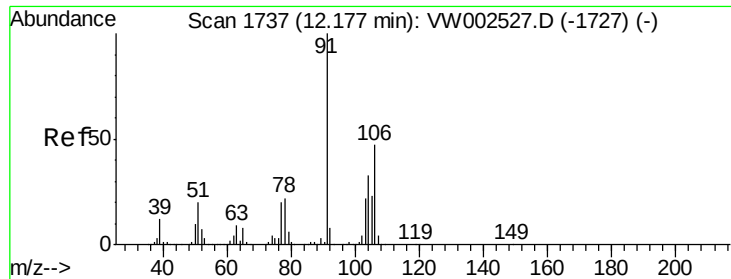
Tgt Ion: 91 Resp: 107543  
Ion Ratio Lower Upper  
91 100  
106 32.8 25.4 38.0



#68  
m/p-Xylenes  
Concen: 19.59 ug/l  
RT: 11.85 min Scan# 1683  
Delta R.T. -0.00 min  
Lab File: VW002525.D  
Acq: 14 May 2018 21:16

Tgt Ion: 106 Resp: 85111  
Ion Ratio Lower Upper  
106 100  
91 200.3 161.4 242.2

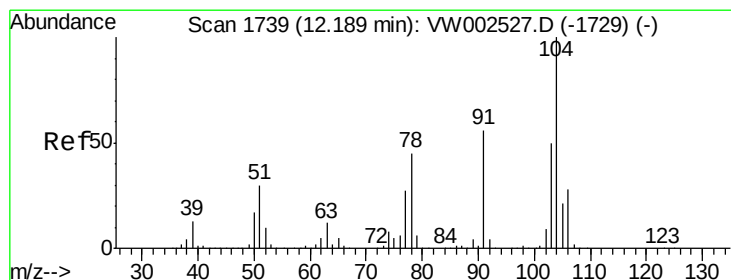
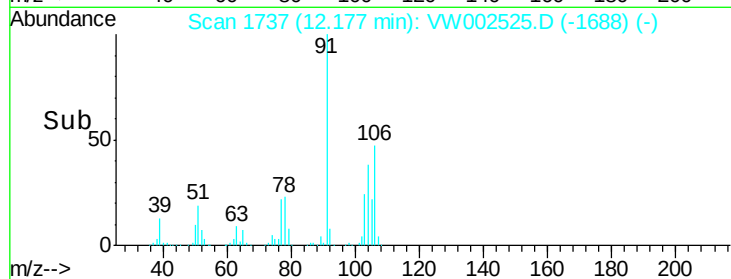
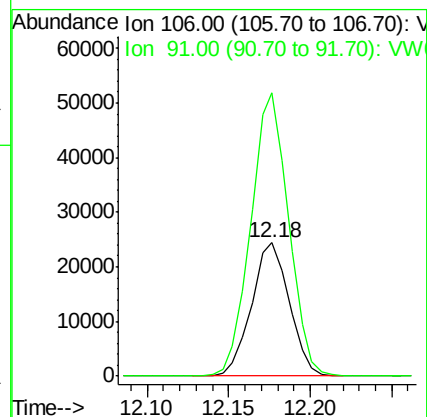
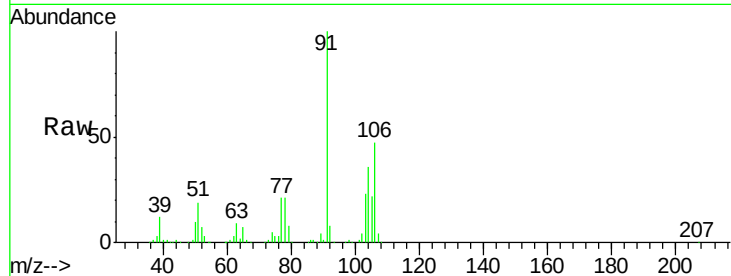




#69  
o-Xylene  
Concen: 9.55 ug/l  
RT: 12.18 min Scan# 1737  
Delta R.T. -0.00 min  
Lab File: VW002525.D  
Acq: 14 May 2018 21:16

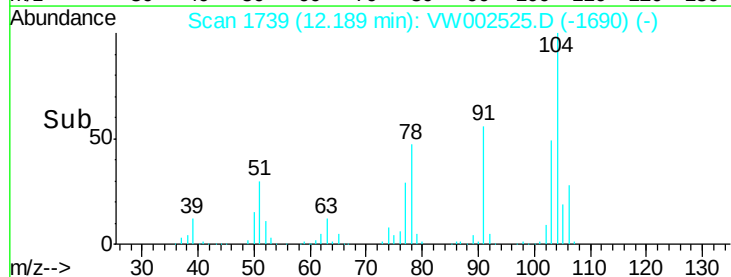
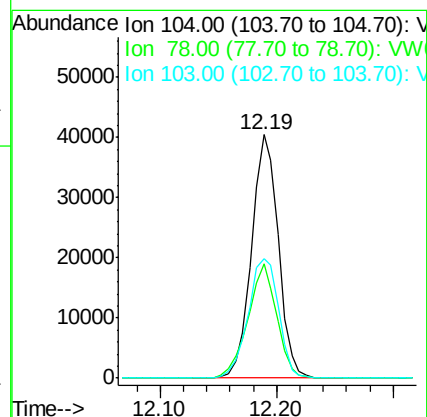
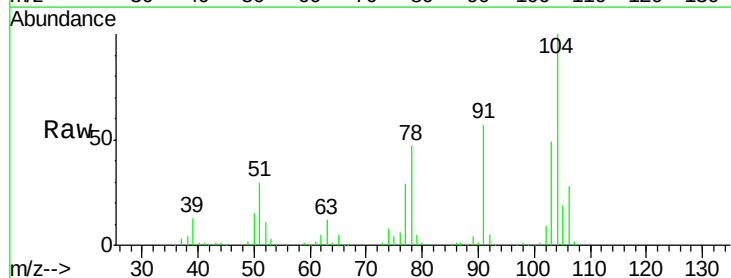
Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC010

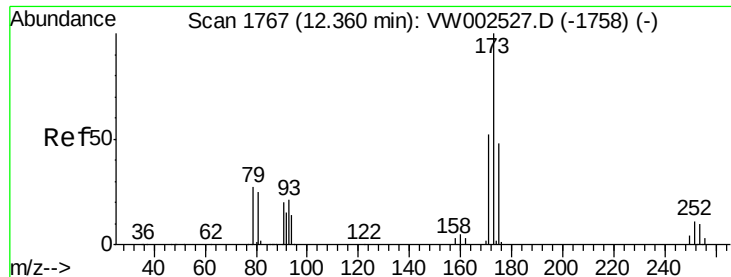
Tgt Ion:106 Resp: 39478  
Ion Ratio Lower Upper  
106 100  
91 211.9 106.7 320.2



#70  
Styrene  
Concen: 9.47 ug/l  
RT: 12.19 min Scan# 1739  
Delta R.T. -0.00 min  
Lab File: VW002525.D  
Acq: 14 May 2018 21:16

Tgt Ion:104 Resp: 64919  
Ion Ratio Lower Upper  
104 100  
78 50.8 40.1 60.1  
103 56.0 44.6 66.8





#71

Bromoform

Concen: 9.55 ug/l

RT: 12.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC010

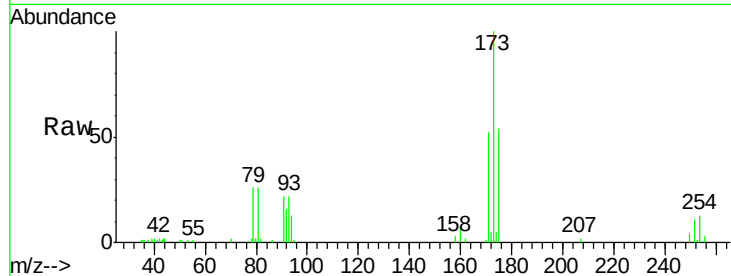
Tgt Ion:173 Resp: 12898

Ion Ratio Lower Upper

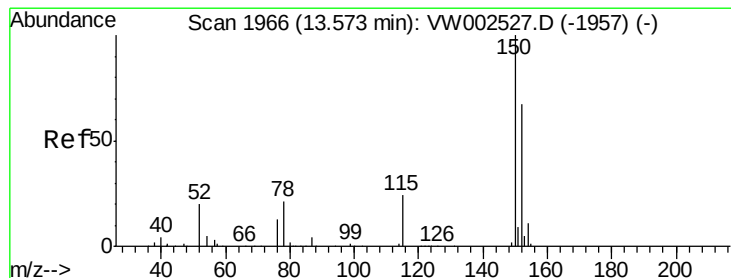
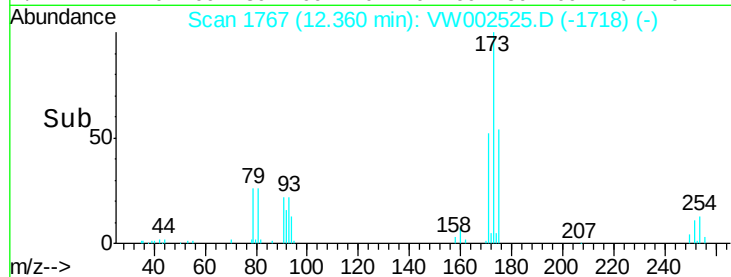
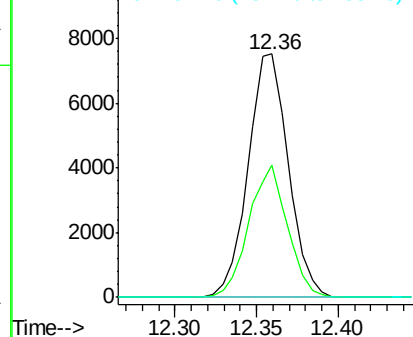
173 100

175 52.1 24.5 73.5

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1966

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

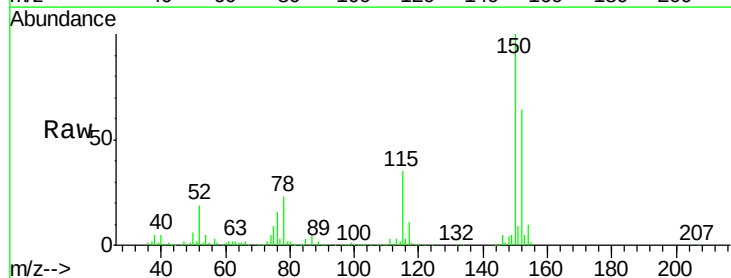
Tgt Ion:152 Resp: 176997

Ion Ratio Lower Upper

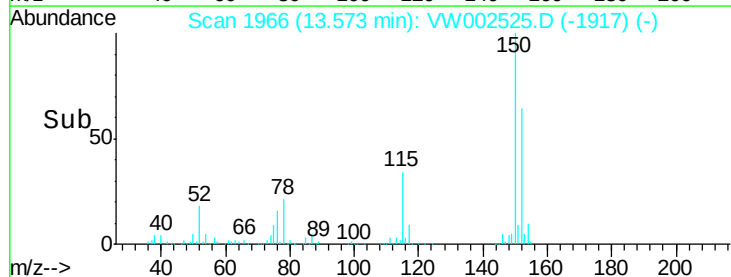
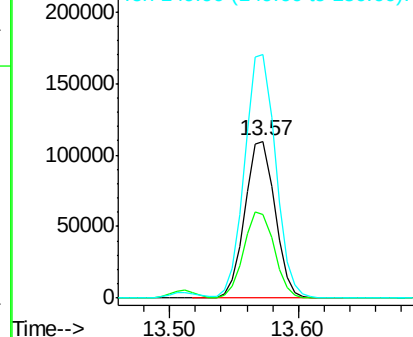
152 100

115 55.6 28.0 84.0

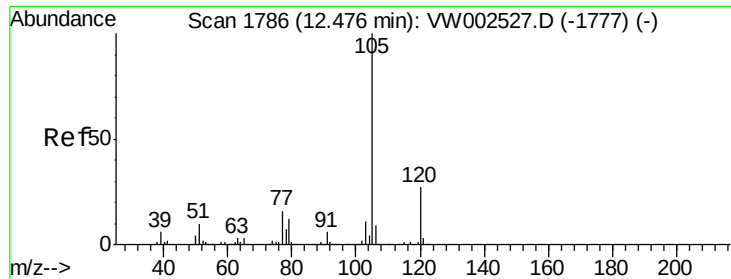
150 159.9 0.0 345.4



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V







#73

Isopropylbenzene

Concen: 9.36 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Instrument :

MSVOA\_W

ClientSampleId :

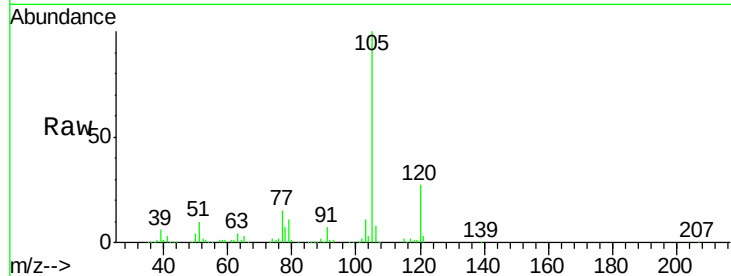
VSTDIC010

Tgt Ion: 105 Resp: 107180

Ion Ratio Lower Upper

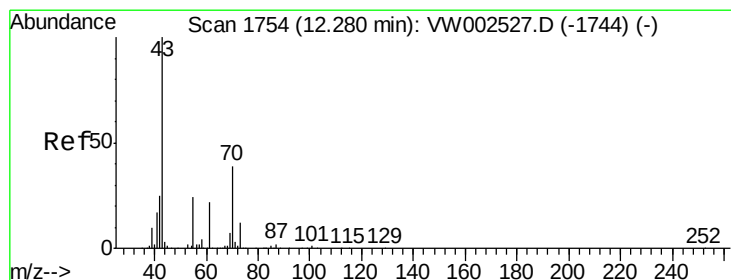
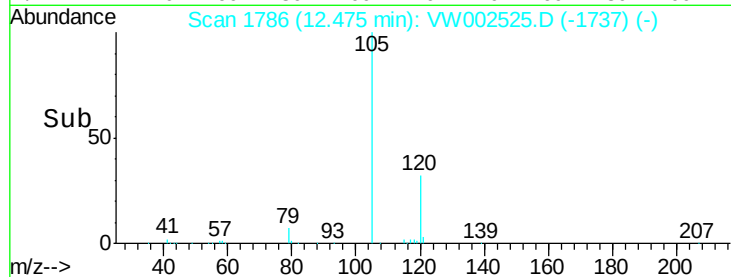
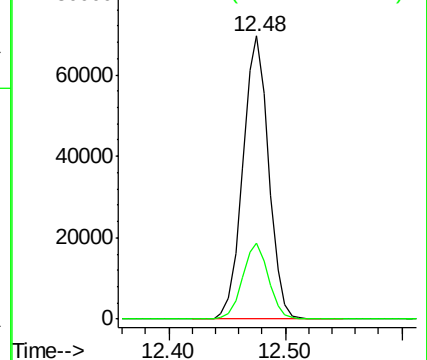
105 100

120 27.1 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 9.18 ug/l

RT: 12.29 min Scan# 1755

Delta R.T. 0.01 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Tgt Ion: 43 Resp: 26525

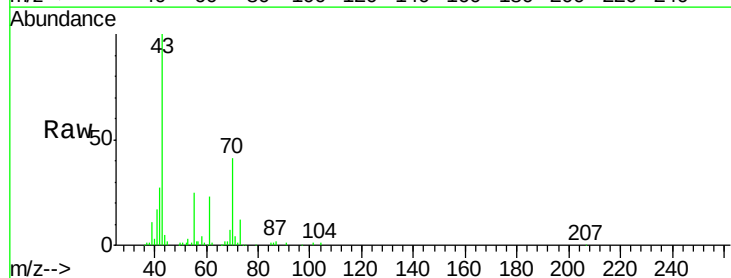
Ion Ratio Lower Upper

43 100

70 41.1 31.9 47.9

55 26.5 19.4 29.0

61 24.5 18.3 27.5

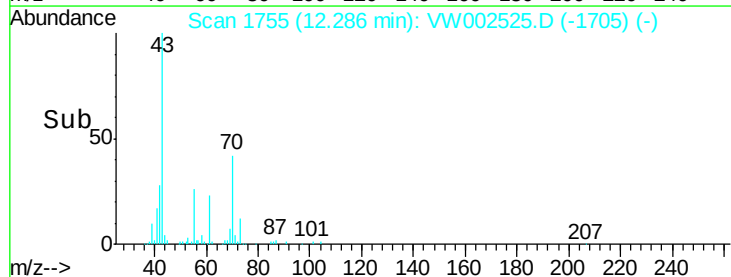
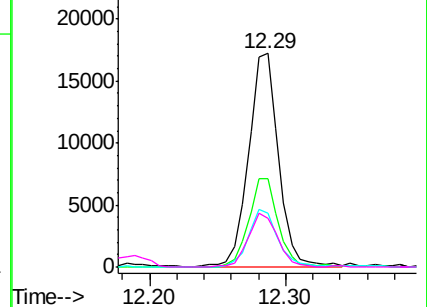


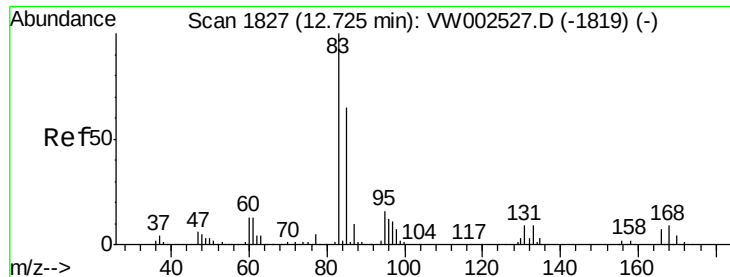
Abundance Ion 43.00 (42.70 to 43.70): VV

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: 10.25 ug/l

RT: 12.73 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Instrument :

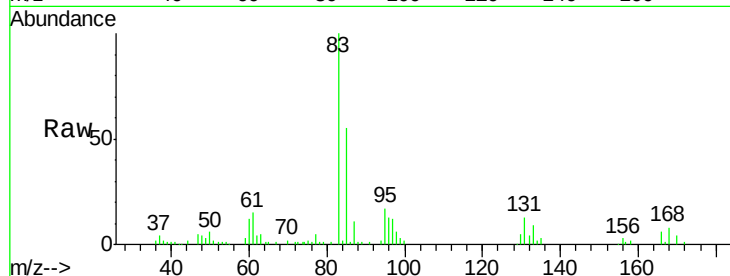
MSVOA\_W

ClientSampleId :

VSTDIC010

Tgt Ion: 83 Resp: 22940

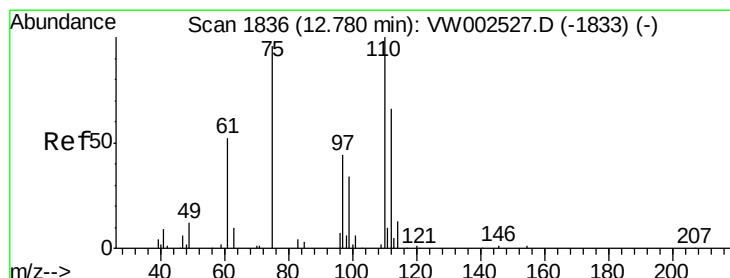
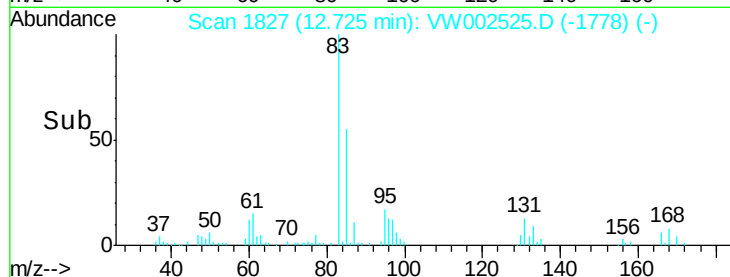
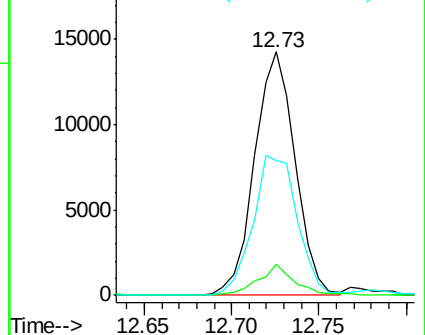
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 131 | 11.5  | 5.4   | 16.2  |
| 85  | 63.1  | 31.6  | 94.8  |



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 16.99 ug/l

RT: 12.78 min Scan# 1836

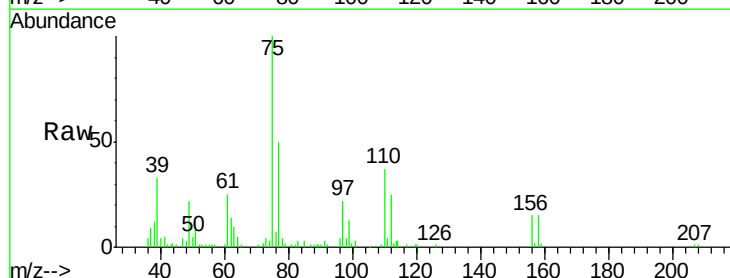
Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

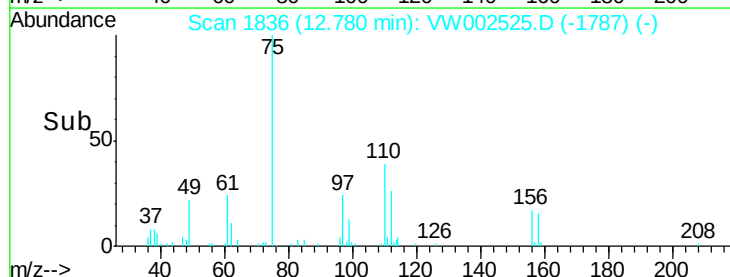
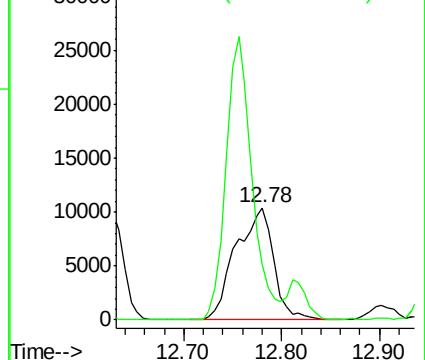
Tgt Ion: 75 Resp: 27790

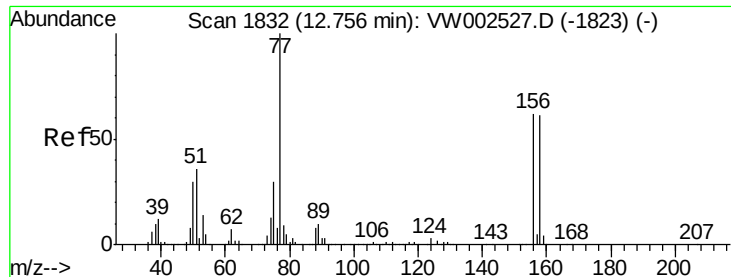
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 0.0   | 0.0   | 0.0   |



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 9.81 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC010

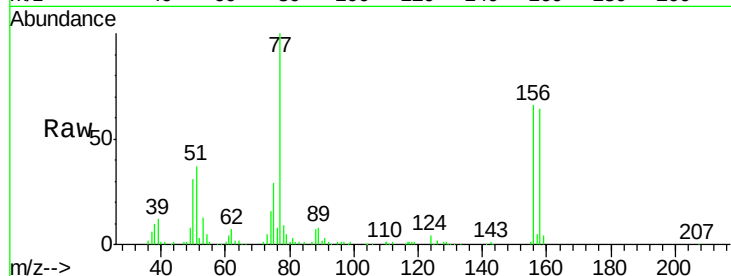
Tgt Ion:156 Resp: 28366

Ion Ratio Lower Upper

156 100

77 170.5 89.8 269.4

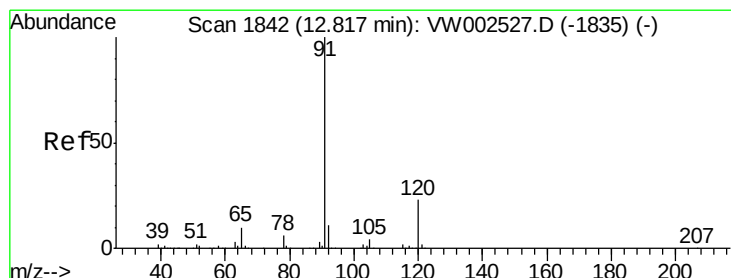
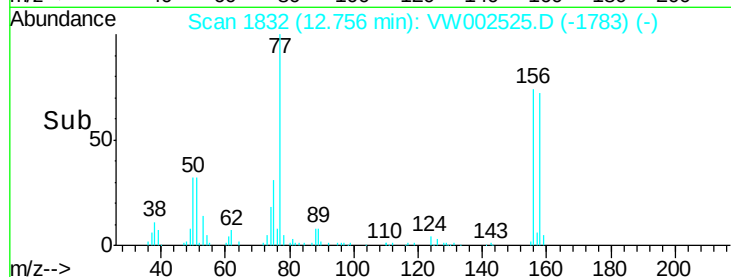
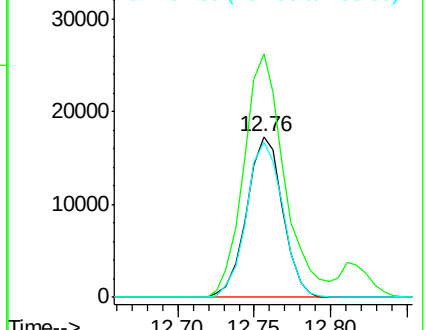
158 97.7 48.8 146.3



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: 9.63 ug/l

RT: 12.82 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VW002525.D

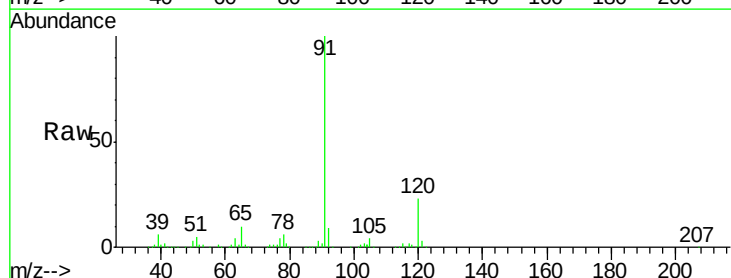
Acq: 14 May 2018 21:16

Tgt Ion: 91 Resp: 130731

Ion Ratio Lower Upper

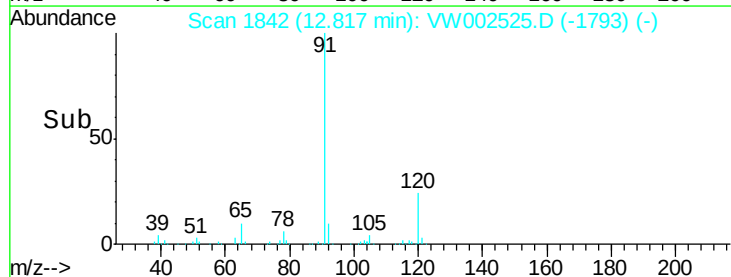
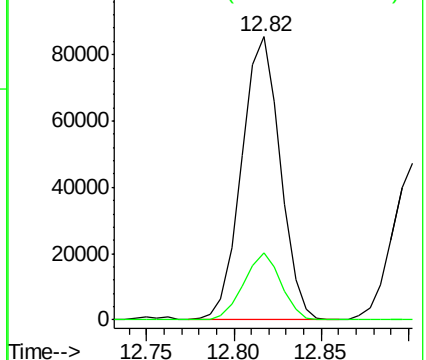
91 100

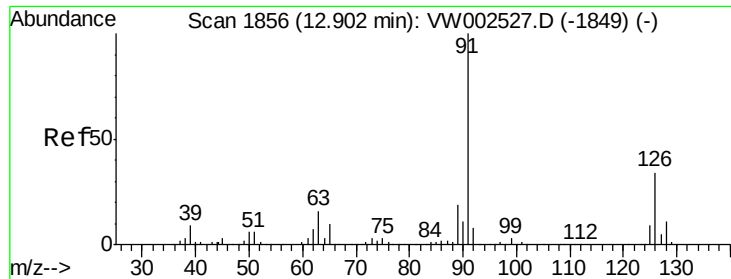
120 22.9 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

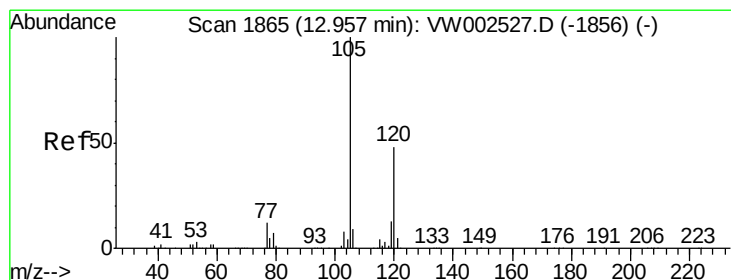
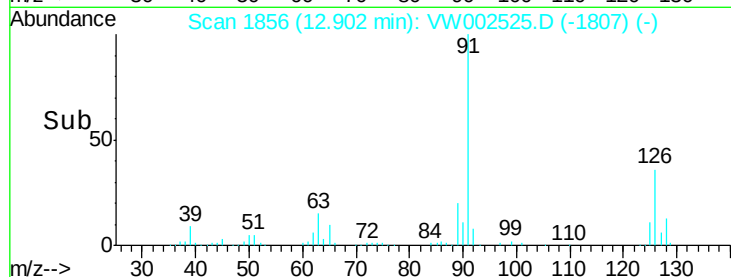
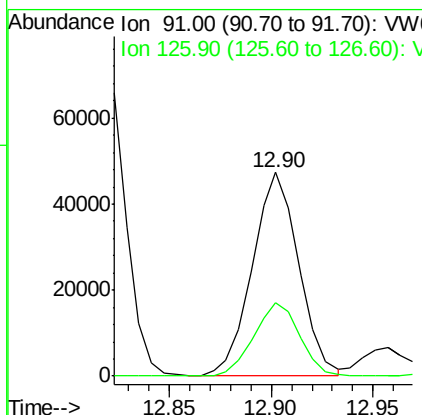
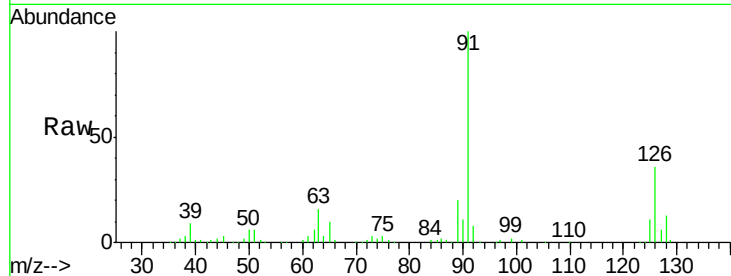




#79  
 2-Chlorotoluene  
 Concen: 9.60 ug/l  
 RT: 12.90 min Scan# 1856  
 Delta R.T. -0.00 min  
 Lab File: VW002525.D  
 Acq: 14 May 2018 21:16

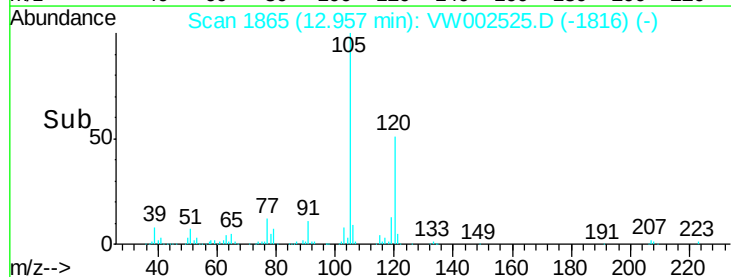
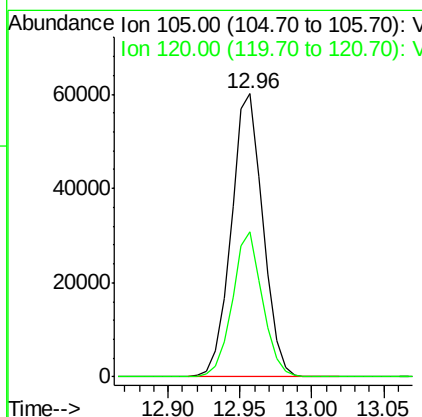
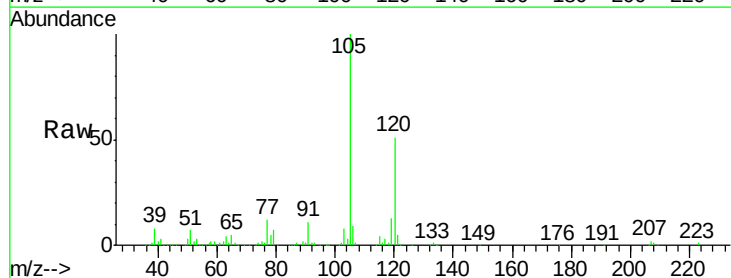
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC010

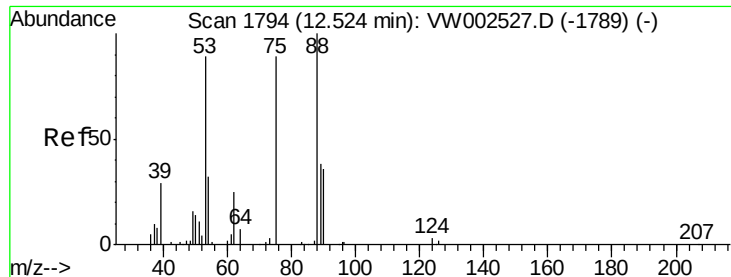
Tgt Ion: 91 Resp: 74972  
 Ion Ratio Lower Upper  
 91 100  
 126 35.6 17.6 52.8



#80  
 1,3,5-Trimethylbenzene  
 Concen: 9.55 ug/l  
 RT: 12.96 min Scan# 1865  
 Delta R.T. -0.00 min  
 Lab File: VW002525.D  
 Acq: 14 May 2018 21:16

Tgt Ion: 105 Resp: 92048  
 Ion Ratio Lower Upper  
 105 100  
 120 48.8 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 9.46 ug/l

RT: 12.52 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC010

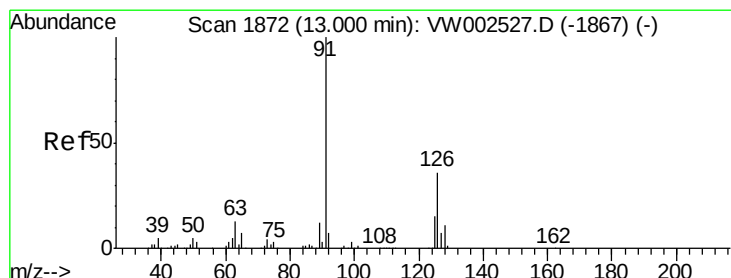
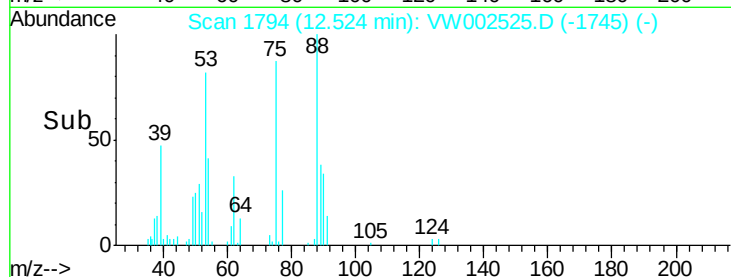
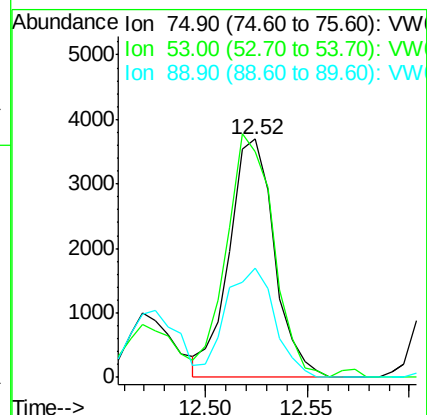
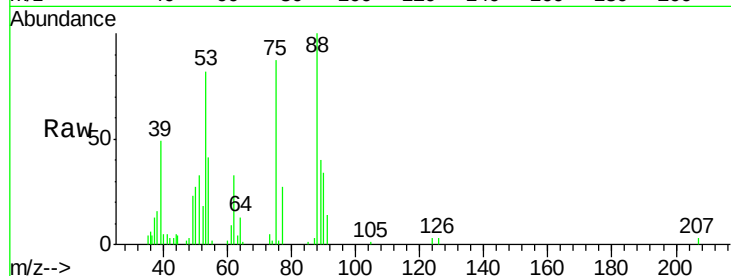
Tgt Ion: 75 Resp: 5695

Ion Ratio Lower Upper

75 100

53 105.7 82.6 124.0

89 49.9 39.2 58.8



#82

4-Chlorotoluene

Concen: 9.71 ug/l

RT: 13.00 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VW002525.D

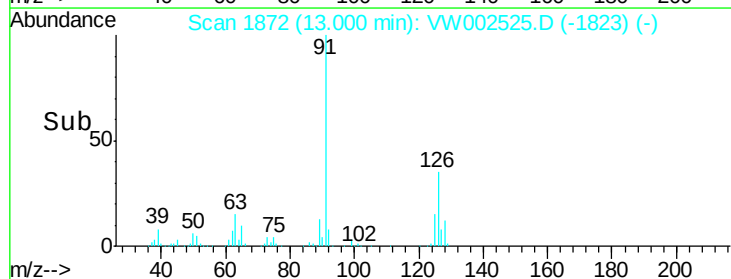
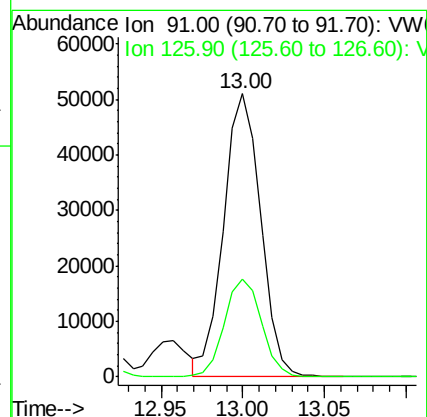
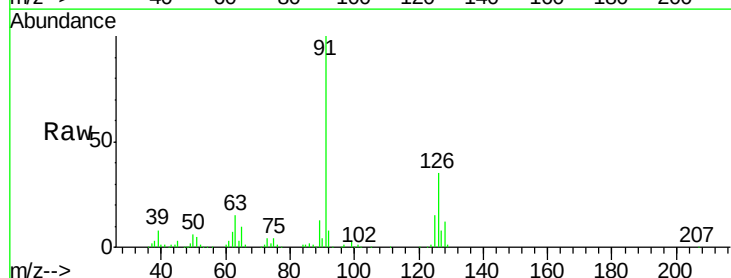
Acq: 14 May 2018 21:16

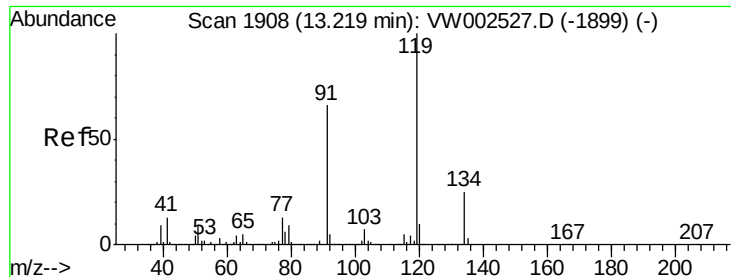
Tgt Ion: 91 Resp: 80731

Ion Ratio Lower Upper

91 100

126 34.9 17.5 52.5

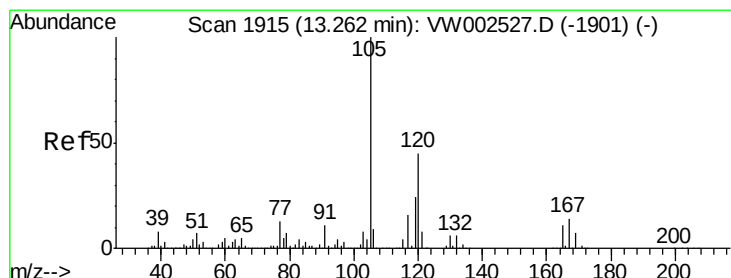
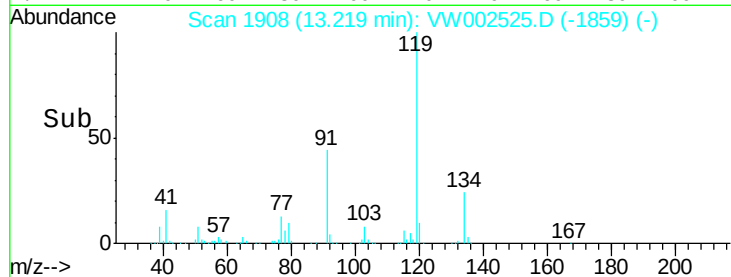
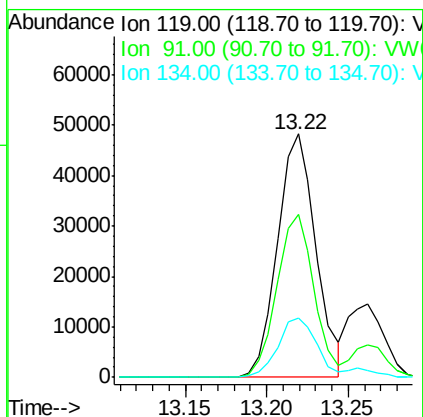
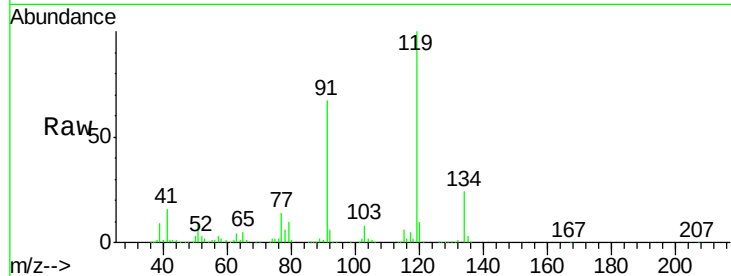




#83  
 tert-Butylbenzene  
 Concen: 9.54 ug/l  
 RT: 13.22 min Scan# 1908  
 Delta R.T. -0.00 min  
 Lab File: VW002525.D  
 Acq: 14 May 2018 21:16

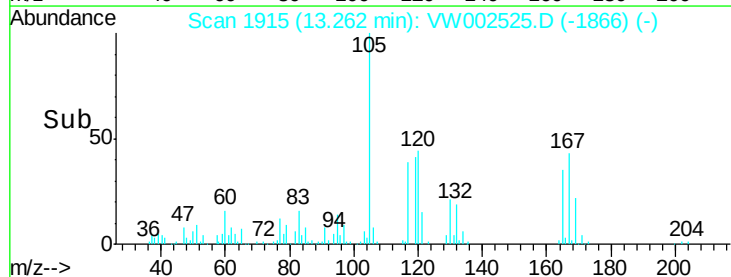
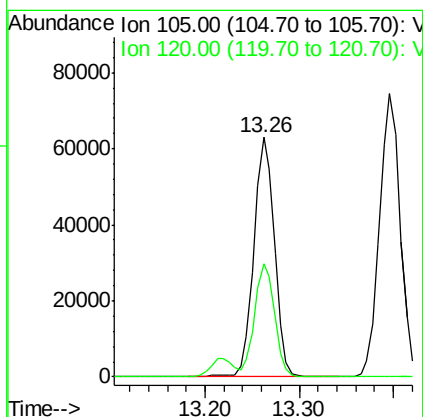
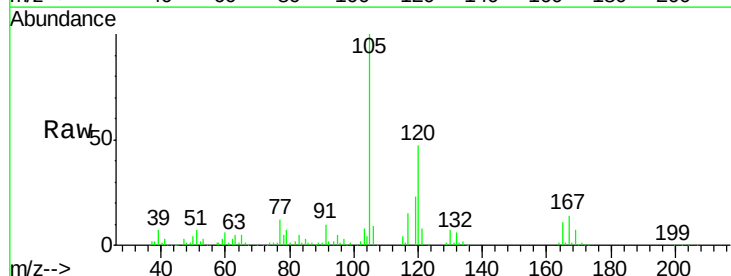
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC010

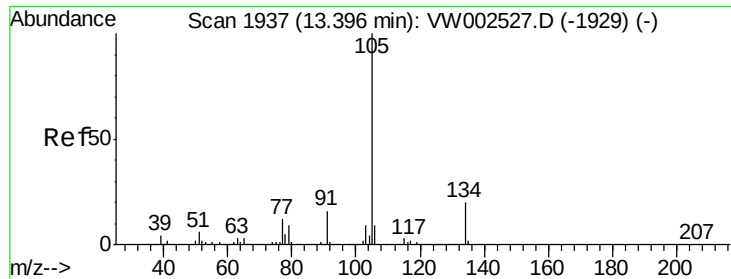
Tgt Ion:119 Resp: 79040  
 Ion Ratio Lower Upper  
 119 100  
 91 64.7 32.5 97.5  
 134 24.2 13.2 39.6



#84  
 1,2,4-Trimethylbenzene  
 Concen: 9.62 ug/l  
 RT: 13.26 min Scan# 1915  
 Delta R.T. -0.00 min  
 Lab File: VW002525.D  
 Acq: 14 May 2018 21:16

Tgt Ion:105 Resp: 96181  
 Ion Ratio Lower Upper  
 105 100  
 120 45.7 22.3 66.9

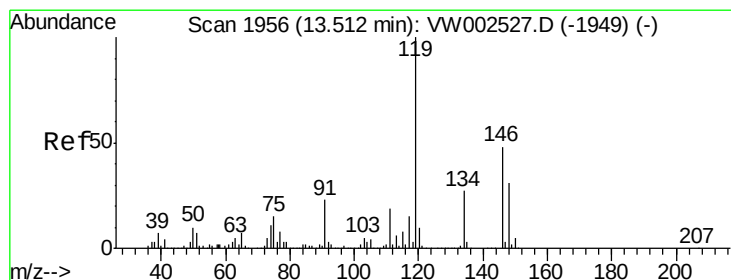
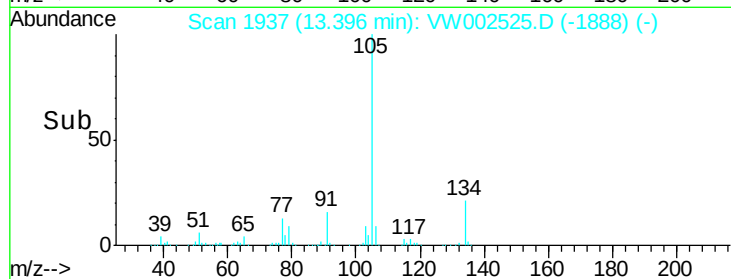
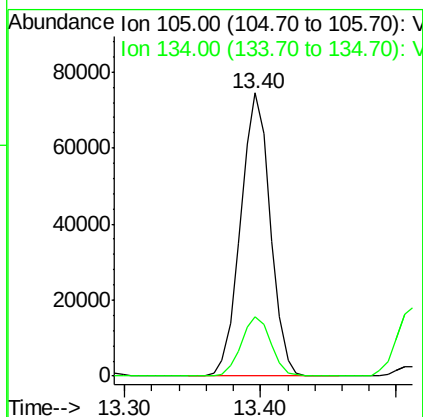
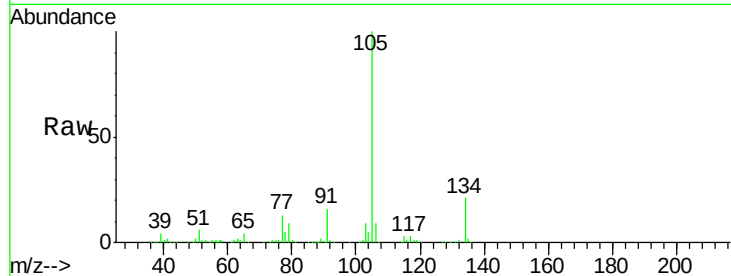




#85  
 sec-Butylbenzene  
 Concen: 9.54 ug/l  
 RT: 13.40 min Scan# 1937  
 Delta R.T. -0.00 min  
 Lab File: VW002525.D  
 Acq: 14 May 2018 21:16

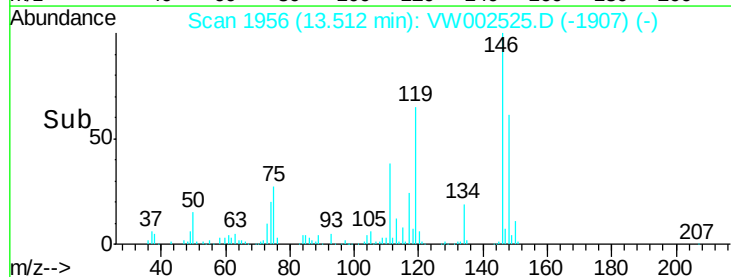
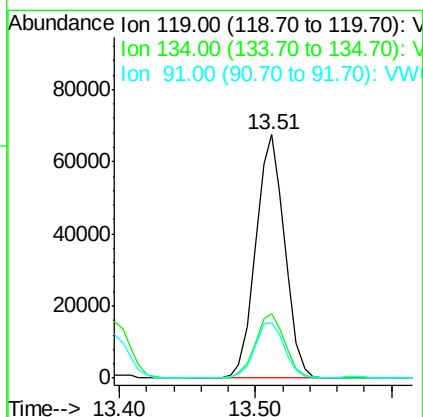
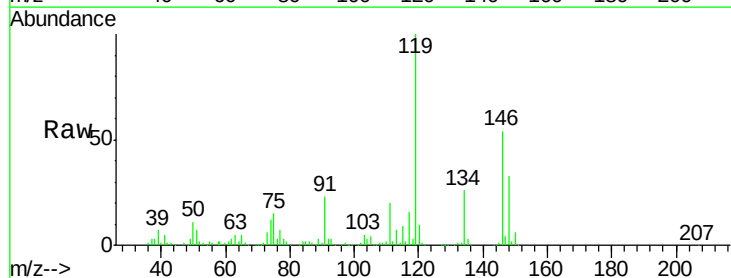
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC010

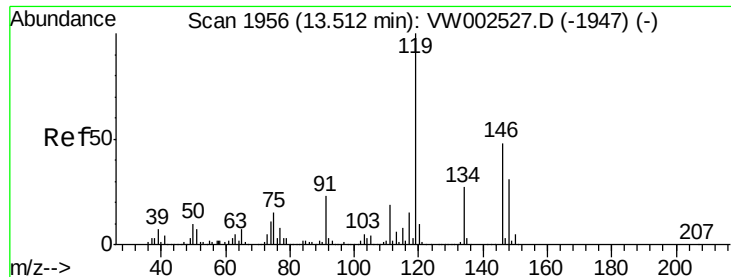
Tgt Ion:105 Resp: 113197  
 Ion Ratio Lower Upper  
 105 100  
 134 21.2 10.1 30.3



#86  
 p-Isopropyltoluene  
 Concen: 9.44 ug/l  
 RT: 13.51 min Scan# 1956  
 Delta R.T. -0.00 min  
 Lab File: VW002525.D  
 Acq: 14 May 2018 21:16

Tgt Ion:119 Resp: 100416  
 Ion Ratio Lower Upper  
 119 100  
 134 27.0 13.4 40.1  
 91 23.9 11.6 34.8

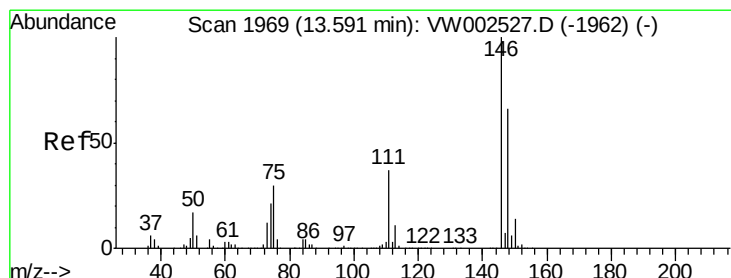
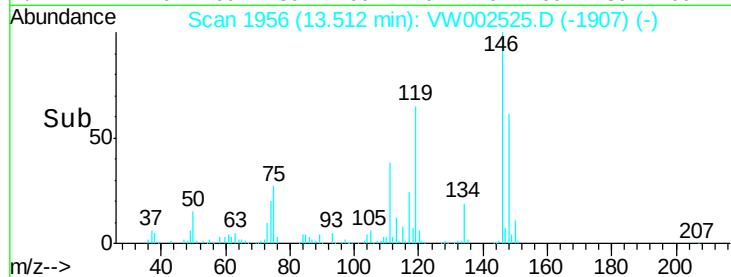
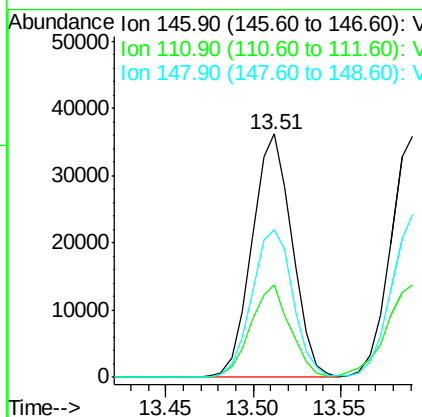
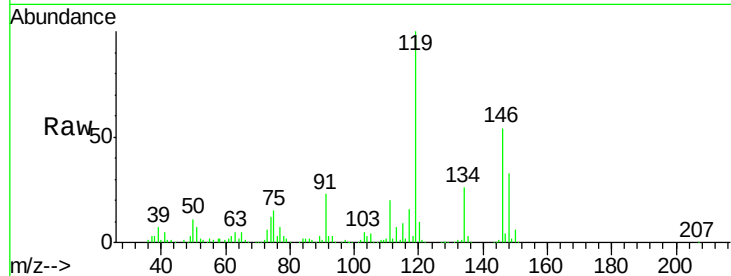




#87  
 1,3-Dichlorobenzene  
 Concen: 10.04 ug/l  
 RT: 13.51 min Scan# 1956  
 Delta R.T. -0.00 min  
 Lab File: VW002525.D  
 Acq: 14 May 2018 21:16

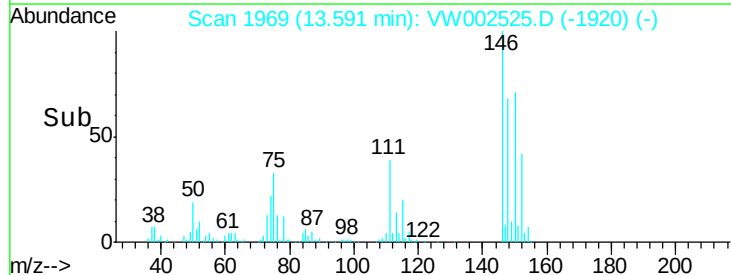
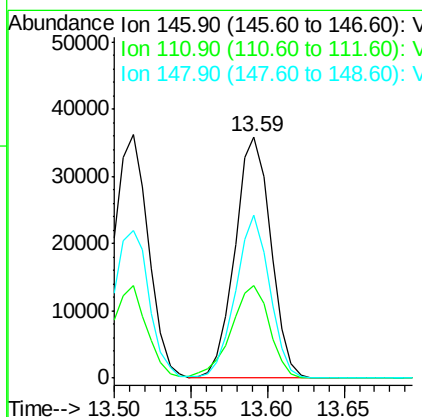
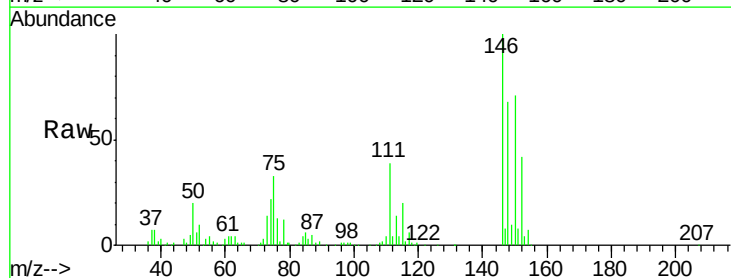
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC010

Tgt Ion:146 Resp: 57409  
 Ion Ratio Lower Upper  
 146 100  
 111 37.5 19.6 58.7  
 148 62.5 32.3 96.8

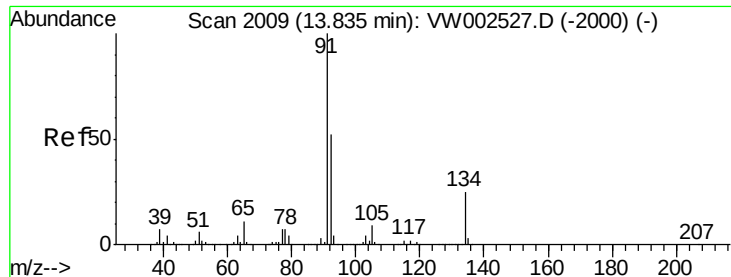


#88  
 1,4-Dichlorobenzene  
 Concen: 10.21 ug/l  
 RT: 13.59 min Scan# 1969  
 Delta R.T. -0.00 min  
 Lab File: VW002525.D  
 Acq: 14 May 2018 21:16

Tgt Ion:146 Resp: 58349  
 Ion Ratio Lower Upper  
 146 100  
 111 41.3 18.9 56.5  
 148 64.6 32.4 97.0







#89

n-Butylbenzene

Concen: 9.54 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC010

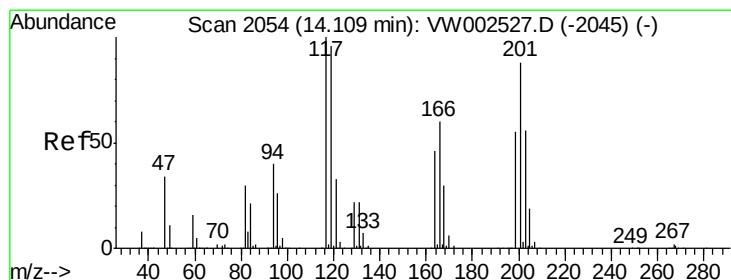
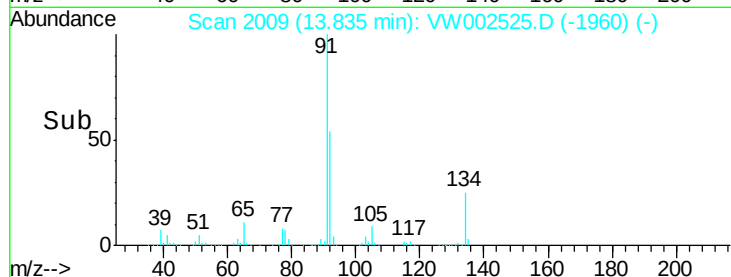
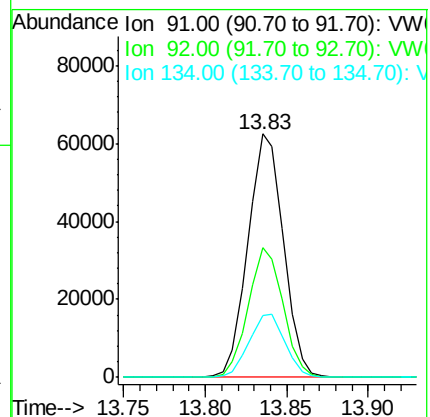
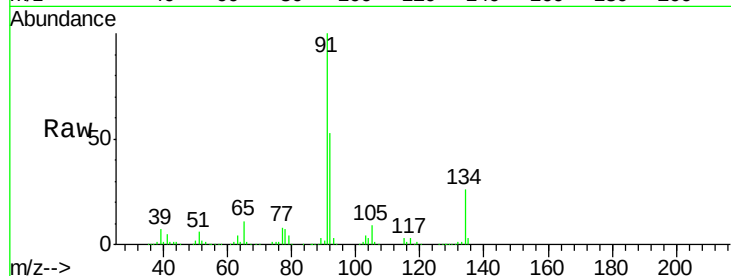
Tgt Ion: 91 Resp: 94886

Ion Ratio Lower Upper

91 100

92 52.4 26.1 78.2

134 26.4 13.1 39.1



#90

Hexachloroethane

Concen: 9.62 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. -0.01 min

Lab File: VW002525.D

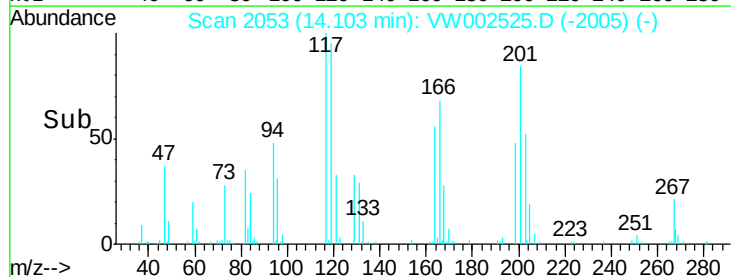
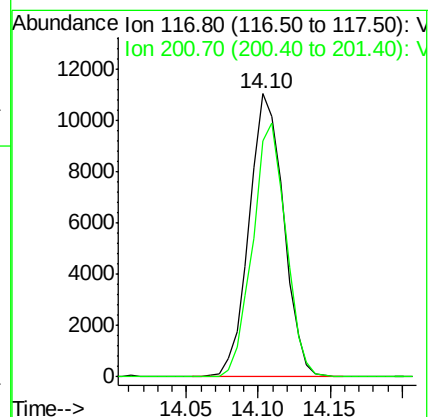
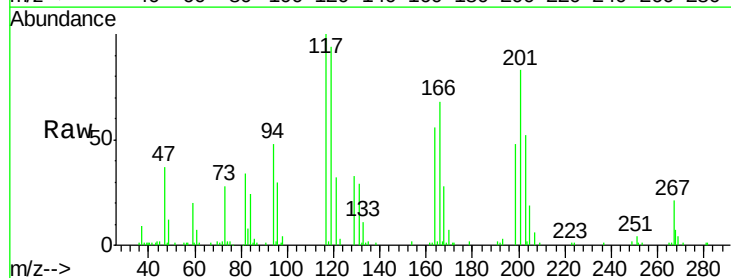
Acq: 14 May 2018 21:16

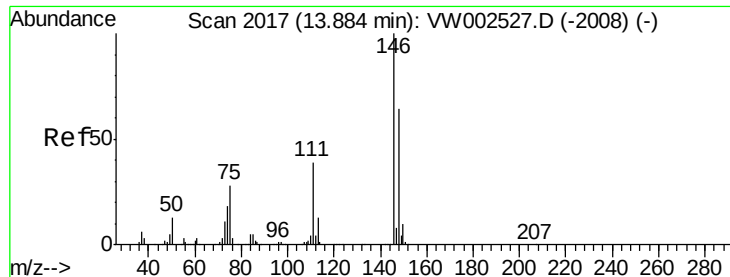
Tgt Ion: 117 Resp: 18276

Ion Ratio Lower Upper

117 100

201 86.3 42.0 126.0

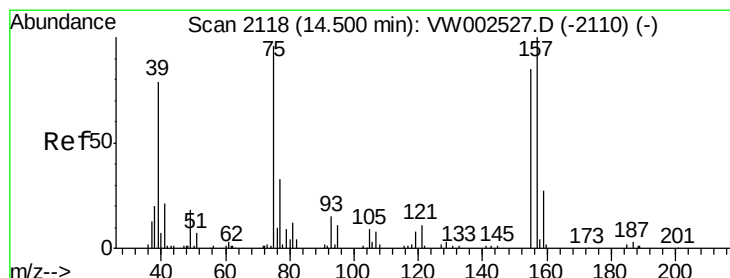
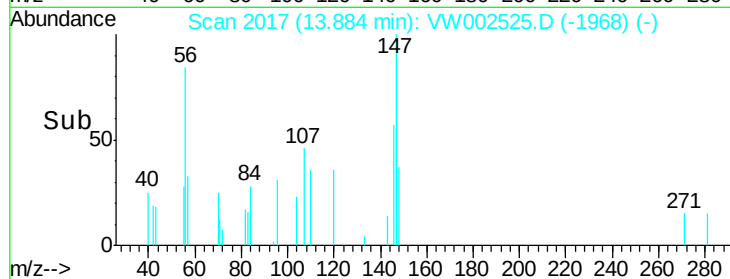
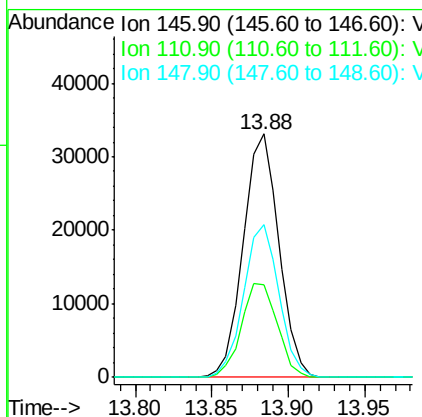
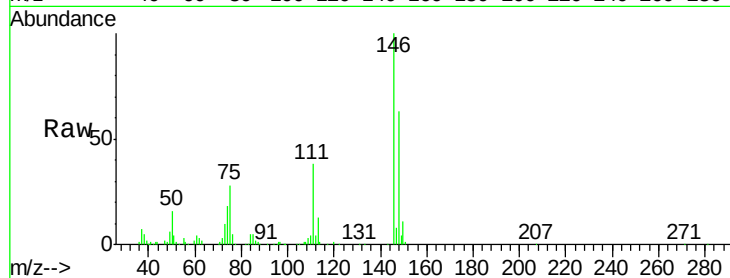




#91  
 1,2-Dichlorobenzene  
 Concen: 10.30 ug/l  
 RT: 13.88 min Scan# 2017  
 Delta R.T. -0.00 min  
 Lab File: VW002525.D  
 Acq: 14 May 2018 21:16

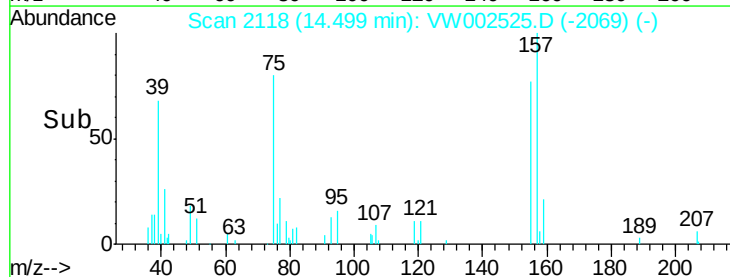
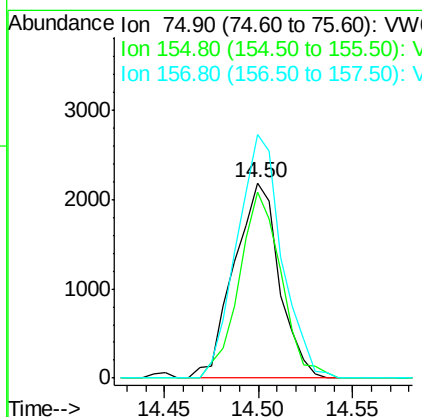
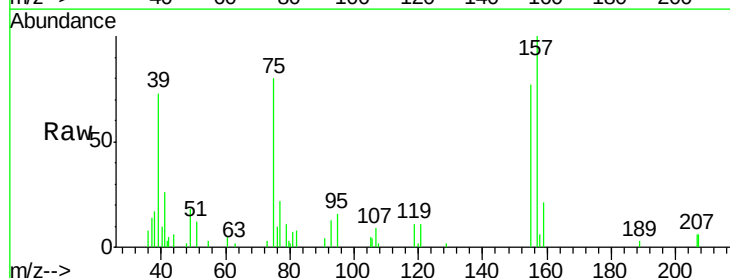
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC010

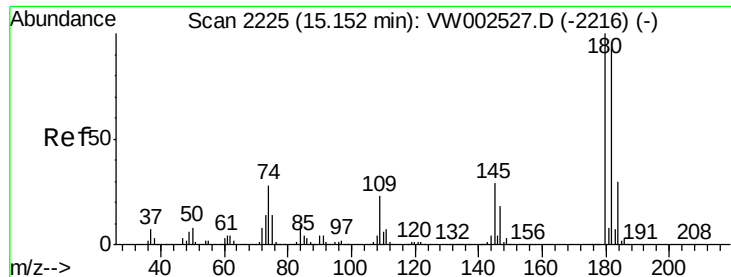
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.1  | 19.9  | 59.6  |
| 148     | 62.2  | 32.1  | 96.3  |



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 9.41 ug/l  
 RT: 14.50 min Scan# 2118  
 Delta R.T. -0.00 min  
 Lab File: VW002525.D  
 Acq: 14 May 2018 21:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 88.8  | 42.8  | 128.4 |
| 157     | 123.9 | 57.4  | 172.0 |

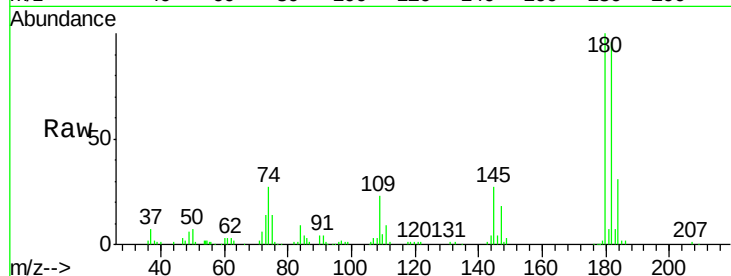




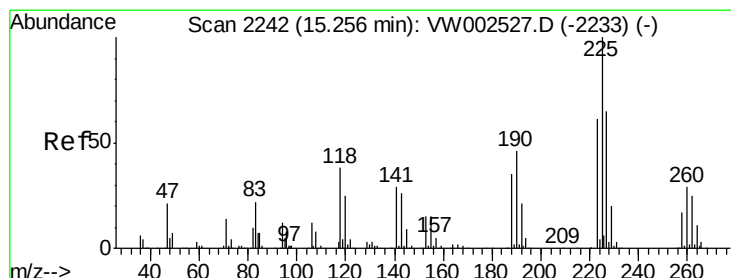
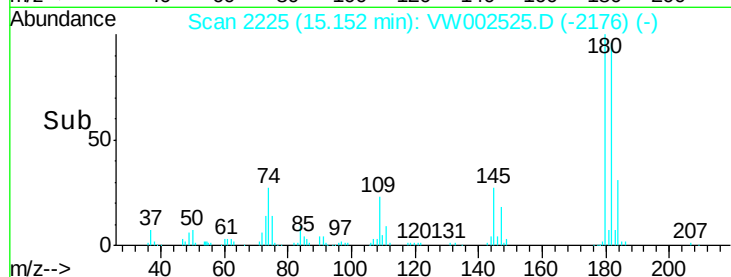
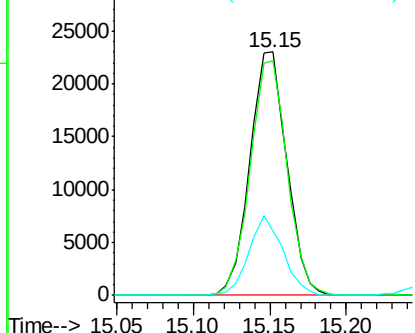
#93  
 1,2,4-Trichlorobenzene  
 Concen: 10.36 ug/l  
 RT: 15.15 min Scan# 2225  
 Delta R.T. -0.00 min  
 Lab File: VW002525.D  
 Acq: 14 May 2018 21:16

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC010

Tgt Ion:180 Resp: 38677  
 Ion Ratio Lower Upper  
 180 100  
 182 96.6 47.2 141.6  
 145 30.2 14.9 44.9

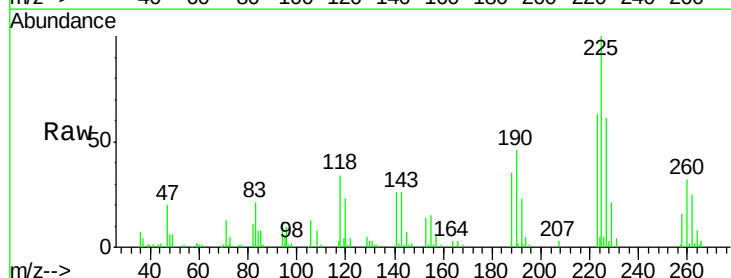


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

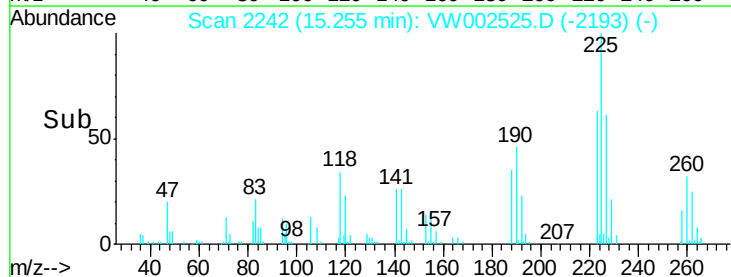
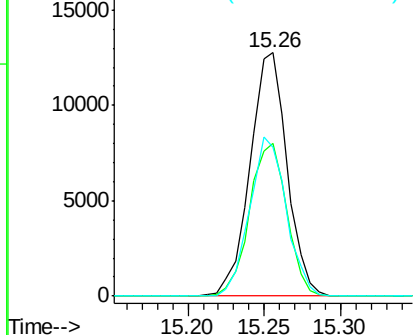


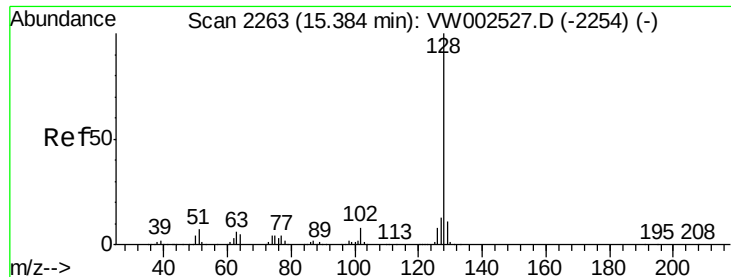
#94  
 Hexachlorobutadiene  
 Concen: 10.35 ug/l  
 RT: 15.26 min Scan# 2242  
 Delta R.T. -0.00 min  
 Lab File: VW002525.D  
 Acq: 14 May 2018 21:16

Tgt Ion:225 Resp: 21510  
 Ion Ratio Lower Upper  
 225 100  
 223 63.1 31.3 93.9  
 227 64.6 31.9 95.5



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: 9.64 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC010

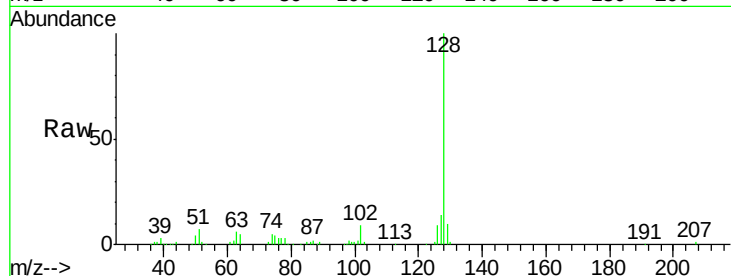
Tgt Ion:128 Resp: 66418

Ion Ratio Lower Upper

128 100

127 14.2 10.6 15.8

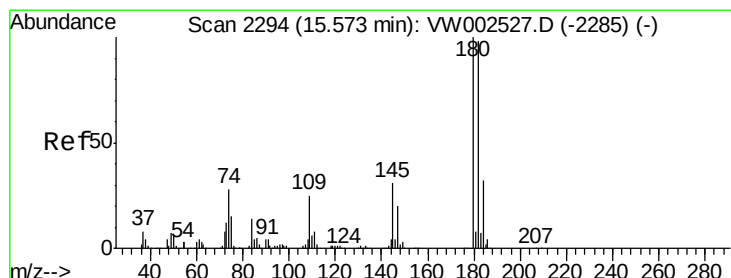
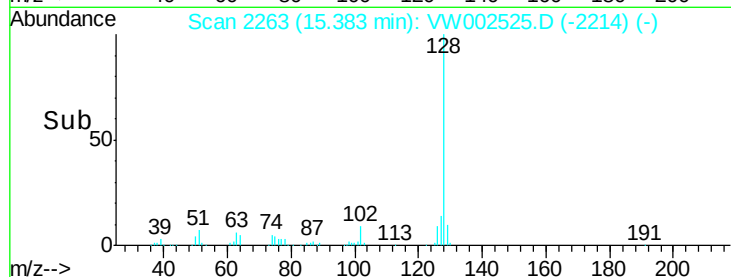
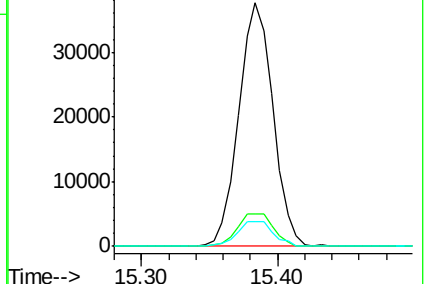
129 10.9 8.9 13.3



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: 10.47 ug/l

RT: 15.57 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

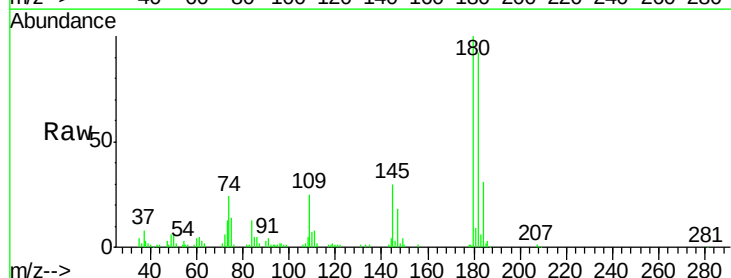
Tgt Ion:180 Resp: 35090

Ion Ratio Lower Upper

180 100

182 93.7 47.3 141.8

145 30.7 15.5 46.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

