

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD010616\  
 Data File : VD048327.D  
 Acq On : 6 Jan 2016 17:31  
 Operator : FY/SY  
 Sample : VD0106SBS07  
 Misc : 5.00µl/5ml/MSVOA D/SOIL  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jan 07 04:30:34 2016  
 Quant Method : W:\HPCHEM1\MSVOA\_D\METHOD\82D010416S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jan 04 14:08:32 2016  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 6.25  | 168  | 185945   | 50.00 | ug/l  | -0.03    |
| 33) 1,4-Difluorobenzene    | 7.38  | 114  | 328754   | 50.00 | ug/l  | -0.03    |
| 62) Chlorobenzene-d5       | 11.54 | 117  | 324907   | 50.00 | ug/l  | -0.02    |
| 71) 1,4-Dichlorobenzene-d4 | 13.88 | 152  | 145789   | 50.00 | ug/l  | -0.02    |

|                             |        |     |          |       |        |       |
|-----------------------------|--------|-----|----------|-------|--------|-------|
| System Monitoring Compounds |        |     |          |       |        |       |
| 32) 1,2-Dichloroethane-d4   | 6.67   | 65  | 95548    | 41.93 | ug/l   | -0.03 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 83.86% |       |
| 34) Dibromofluoromethane    | 6.16   | 113 | 91108    | 41.04 | ug/l   | -0.04 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 82.08% |       |
| 49) Toluene-d8              | 9.57   | 98  | 287470   | 39.18 | ug/l   | -0.03 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 78.36% |       |
| 61) 4-Bromofluorobenzene    | 12.81  | 95  | 125249   | 39.31 | ug/l   | -0.02 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 78.62% |       |

| Target Compounds              |      |     |        |        |        | Qvalue |
|-------------------------------|------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.40 | 85  | 44264  | 18.40  | ug/l   | 99     |
| 3) Chloromethane              | 1.60 | 50  | 22743  | 15.43  | ug/l   | 98     |
| 4) Vinyl Chloride             | 1.66 | 62  | 23737  | 17.46  | ug/l   | 91     |
| 5) Bromomethane               | 1.95 | 94  | 13782  | 15.45  | ug/l   | 99     |
| 6) Chloroethane               | 2.05 | 64  | 13563  | 17.37  | ug/l   | 99     |
| 7) Trichlorofluoromethane     | 2.29 | 101 | 54625  | 18.06  | ug/l   | 100    |
| 8) Diethyl Ether              | 2.60 | 74  | 17645  | 20.01  | ug/l   | 89     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.85 | 101 | 37534  | 18.68  | ug/l   | 98     |
| 10) Methyl Iodide             | 3.02 | 142 | 24230  | 17.48  | ug/l   | 99     |
| 11) Tert butyl alcohol        | 3.64 | 59  | 12011  | 104.81 | ug/l # | 93     |
| 12) 1,1-Dichloroethene        | 2.84 | 96  | 32458  | 18.82  | ug/l   | 98     |
| 13) Acrolein                  | 2.74 | 56  | 20131  | 113.47 | ug/l   | 98     |
| 14) Allyl chloride            | 3.29 | 41  | 62165  | 17.67  | ug/l   | 95     |
| 15) Acrylonitrile             | 3.79 | 53  | 40891  | 112.44 | ug/l   | 92     |
| 16) Acetone                   | 2.91 | 43  | 47166  | 96.06  | ug/l   | 94     |
| 17) Carbon Disulfide          | 3.10 | 76  | 101598 | 16.73  | ug/l   | 99     |
| 18) Methyl Acetate            | 3.30 | 43  | 28225  | 23.23  | ug/l   | 94     |
| 19) Methyl tert-butyl Ether   | 3.85 | 73  | 82016  | 22.06  | ug/l   | 100    |
| 20) Methylene Chloride        | 3.46 | 84  | 42855  | 18.73  | ug/l   | 97     |
| 21) trans-1,2-Dichloroethene  | 3.84 | 96  | 34283  | 17.97  | ug/l   | 99     |
| 22) Diisopropyl ether         | 4.60 | 45  | 132105 | 19.89  | ug/l   | 96     |
| 23) Vinyl Acetate             | 4.55 | 43  | 384087 | 117.18 | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 4.51 | 63  | 74459  | 19.26  | ug/l   | 99     |
| 25) 2-Butanone                | 5.40 | 43  | 64503  | 121.92 | ug/l   | 97     |
| 26) 2,2-Dichloropropane       | 5.38 | 77  | 64141  | 17.82  | ug/l   | 95     |
| 27) cis-1,2-Dichloroethene    | 5.38 | 96  | 43363  | 19.51  | ug/l   | 97     |
| 28) Bromochloromethane        | 5.74 | 49  | 29391  | 18.26  | ug/l   | 99     |
| 29) Chloroform                | 5.92 | 83  | 84057  | 19.80  | ug/l   | 98     |
| 30) Cyclohexane               | 6.22 | 56  | 58301  | 18.08  | ug/l   | 94     |
| 31) 1,1,1-Trichloroethane     | 6.13 | 97  | 63268  | 19.15  | ug/l   | 95     |
| 35) 1,1-Dichloropropene       | 6.38 | 75  | 62963  | 19.25  | ug/l   | 97     |
| 36) Ethyl Acetate             | 5.49 | 43  | 31317  | 21.68  | ug/l   | 98     |
| 37) Carbon Tetrachloride      | 6.36 | 117 | 52177  | 17.91  | ug/l   | 96     |
| 38) Methylcyclohexane         | 8.04 | 83  | 63954  | 18.17  | ug/l   | 90     |

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 Misc : 5.00µl/5ml/MSVOA D/SOIL  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jan 07 04:30:34 2016  
 Quant Method : W:\HPCHEM1\MSVOA\_D\METHOD\82D010416S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jan 04 14:08:32 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Benzene                    | 6.67  | 78   | 169156   | 19.40  | ug/l   | 94       |
| 40) Methacrylonitrile          | 5.71  | 41   | 18969    | 22.39  | ug/l   | 96       |
| 41) 1,2-Dichloroethane         | 6.79  | 62   | 57355    | 20.94  | ug/l   | 93       |
| 42) Isopropyl Acetate          | 8.36  | 43   | 47633    | 23.20  | ug/l # | 96       |
| 43) Trichloroethene            | 7.69  | 130  | 48593    | 19.77  | ug/l   | 92       |
| 44) 1,2-Dichloropropane        | 8.10  | 63   | 46862    | 19.37  | ug/l   | 100      |
| 45) Dibromomethane             | 8.22  | 93   | 27678    | 21.00  | ug/l   | 95       |
| 46) Bromodichloromethane       | 8.51  | 83   | 60019    | 19.07  | ug/l   | 99       |
| 47) Methyl methacrylate        | 8.03  | 41   | 35141    | 17.97  | ug/l   | 97       |
| 48) 1,4-Dioxane                | 8.24  | 88   | 5986     | 504.72 | ug/l # | 89       |
| 50) 4-Methyl-2-Pentanone       | 9.43  | 43   | 170895   | 125.19 | ug/l   | 99       |
| 51) Toluene                    | 9.67  | 92   | 104205   | 19.60  | ug/l   | 95       |
| 52) t-1,3-Dichloropropene      | 10.08 | 75   | 60367    | 20.25  | ug/l   | 98       |
| 53) cis-1,3-Dichloropropene    | 9.18  | 75   | 74008    | 19.79  | ug/l   | 97       |
| 54) 1,1,2-Trichloroethane      | 10.35 | 97   | 35923    | 21.61  | ug/l   | 98       |
| 55) Ethyl methacrylate         | 10.20 | 69   | 46478    | 23.16  | ug/l   | 96       |
| 56) 1,3-Dichloropropane        | 10.56 | 76   | 73547    | 22.20  | ug/l   | 97       |
| 57) 2-Chloroethyl Vinyl ether  | 8.98  | 63   | 117335   | 98.97  | ug/l   | 98       |
| 58) 2-Hexanone                 | 10.66 | 43   | 125584   | 131.65 | ug/l   | 94       |
| 59) Dibromochloromethane       | 10.85 | 129  | 44563    | 20.23  | ug/l   | 98       |
| 60) 1,2-Dibromoethane          | 10.98 | 107  | 38574    | 21.65  | ug/l   | 100      |
| 63) Tetrachloroethene          | 10.42 | 164  | 39140    | 19.44  | ug/l   | 98       |
| 64) Chlorobenzene              | 11.57 | 112  | 131295   | 20.27  | ug/l   | 97       |
| 65) 1,1,1,2-Tetrachloroethane  | 11.69 | 131  | 45918    | 19.88  | ug/l   | 95       |
| 66) Ethyl Benzene              | 11.69 | 91   | 224913   | 19.63  | ug/l   | 99       |
| 67) m/p-Xylenes                | 11.84 | 106  | 159147   | 39.21  | ug/l   | 89       |
| 68) o-Xylene                   | 12.26 | 106  | 78786    | 20.18  | ug/l   | 95       |
| 69) Stvrene                    | 12.28 | 104  | 129943   | 20.81  | ug/l   | 98       |
| 70) Bromoform                  | 12.46 | 173  | 23323    | 20.60  | ug/l   | 94       |
| 72) Isopropylbenzene           | 12.63 | 105  | 210766   | 18.94  | ug/l   | 99       |
| 73) N-amyl acetate             | 12.47 | 43   | 73354    | 23.37  | ug/l   | 98       |
| 74) 1,1,2,2-Tetrachloroethane  | 12.96 | 83   | 46940    | 22.72  | ug/l   | 98       |
| 75) 1,2,3-Trichloropropane     | 13.00 | 75   | 52047    | 22.51  | ug/l   | 99       |
| 76) Bromobenzene               | 12.94 | 156  | 52077    | 20.03  | ug/l   | 95       |
| 77) n-propylbenzene            | 13.05 | 91   | 274377   | 19.13  | ug/l   | 98       |
| 78) 2-Chlorotoluene            | 13.12 | 91   | 155099   | 19.34  | ug/l   | 97       |
| 79) 1,3,5-Trimethylbenzene     | 13.21 | 105  | 165012   | 19.05  | ug/l   | 98       |
| 80) trans-1,4-Dichloro-2-buten | 12.70 | 75   | 11738    | 19.29  | ug/l   | 91       |
| 81) 4-Chlorotoluene            | 13.24 | 91   | 180198   | 19.44  | ug/l   | 96       |
| 82) tert-Butylbenzene          | 13.51 | 119  | 194627   | 23.19  | ug/l   | 98       |
| 83) 1,2,4-Trimethylbenzene     | 13.56 | 105  | 171369   | 19.22  | ug/l   | 97       |
| 84) sec-Butylbenzene           | 13.71 | 105  | 209653   | 17.61  | ug/l   | 97       |
| 85) p-Isopropyltoluene         | 13.84 | 119  | 192556   | 19.43  | ug/l   | 99       |
| 86) 1,3-Dichlorobenzene        | 13.81 | 146  | 98457    | 19.77  | ug/l   | 97       |
| 87) 1,4-Dichlorobenzene        | 13.90 | 146  | 99927    | 20.10  | ug/l   | 96       |
| 88) n-Butylbenzene             | 14.19 | 91   | 186419   | 18.82  | ug/l   | 96       |
| 89) Hexachloroethane           | 14.45 | 117  | 34037    | 16.86  | ug/l   | 84       |
| 90) 1,2-Dichlorobenzene        | 14.21 | 146  | 87182    | 19.91  | ug/l   | 98       |
| 91) 1,2-Dibromo-3-Chloropropan | 14.85 | 75   | 6135     | 22.81  | ug/l   | 71       |
| 92) 1,2,4-Trichlorobenzene     | 15.54 | 180  | 52793    | 20.08  | ug/l   | 95       |

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Misc : 5.00g/5ml/MSVOA D/SOIL  
ALS Vial : 45 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: Jan 07 04:30:34 2016  
Quant Method : W:\HPCHEM1\MSVOA\_D\METHOD\82D010416S.M  
Quant Title : SW846 8260  
QLast Update : Mon Jan 04 14:08:32 2016  
Response via : Initial Calibration

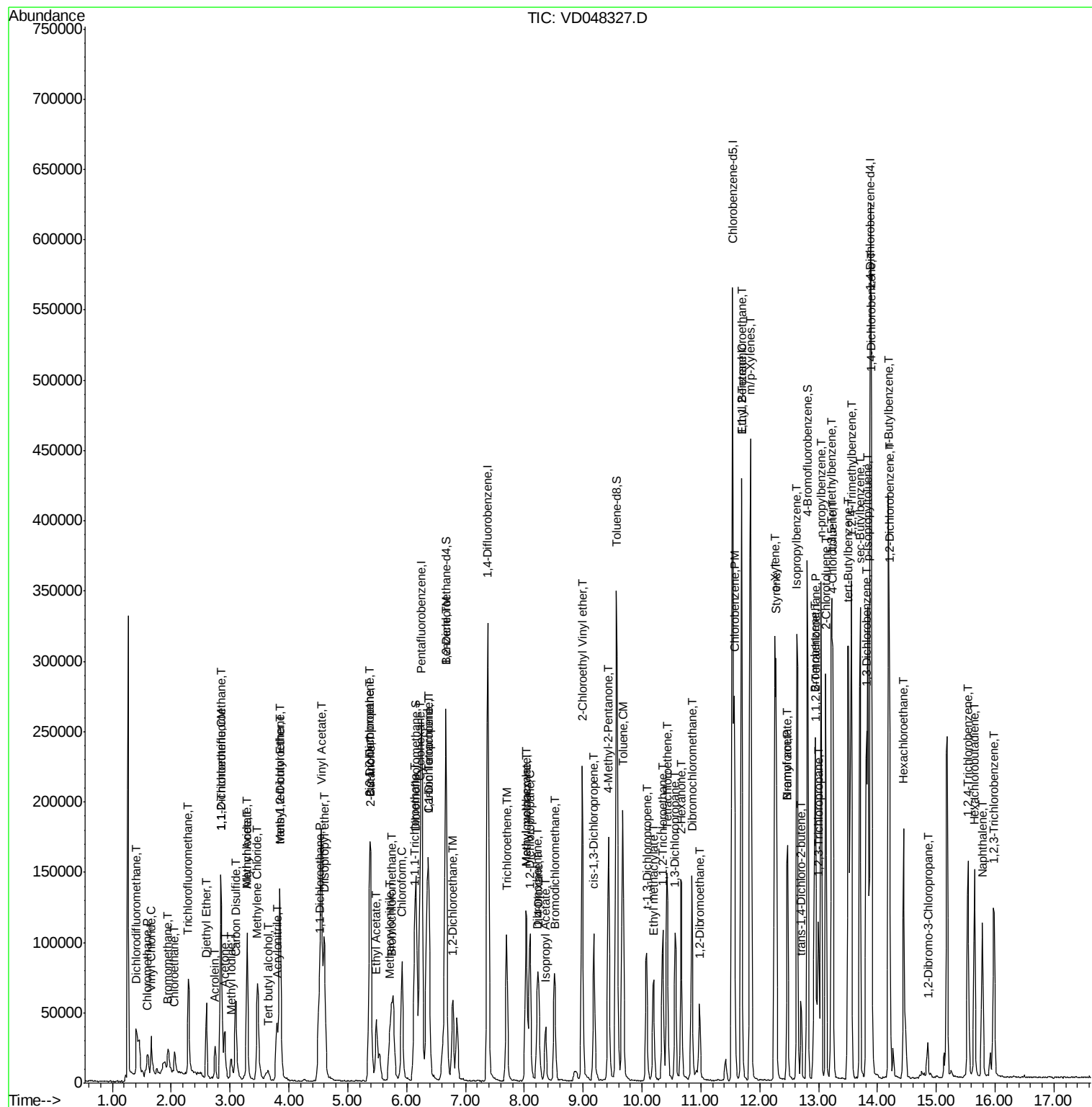
| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) Hexachlorobutadiene    | 15.65 | 225  | 32916    | 18.90 | ug/l  | 98       |
| 94) Naphthalene            | 15.79 | 128  | 102953   | 22.65 | ug/l  | 97       |
| 95) 1,2,3-Trichlorobenzene | 15.98 | 180  | 46068    | 21.37 | ug/l  | 97       |

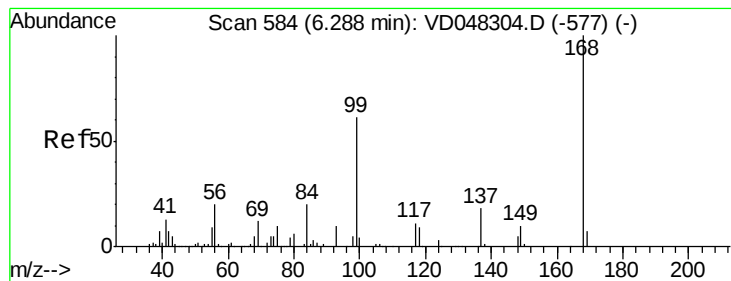
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: Jan 07 04:30:34 2016  
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Quant Title : SW846 8260  
QLast Update : Mon Jan 04 14:08:32 2016  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.25 min Scan# 581

Delta R.T. -0.03 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

Instrument :

BNA\_F

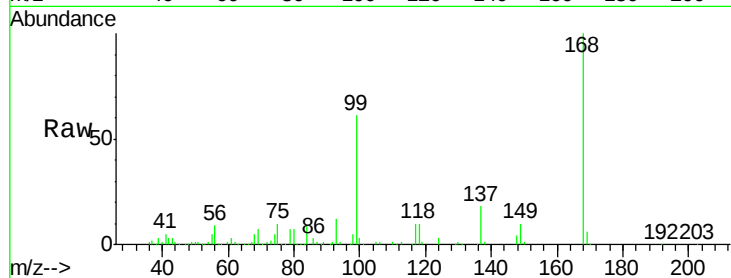
ClientSampleId :

Tot Ion:168 Resp: 185945

Ion Ratio Lower Upper

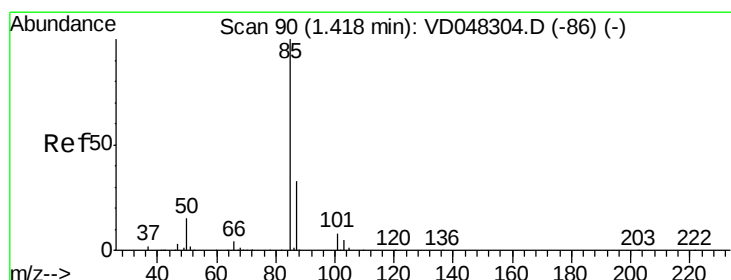
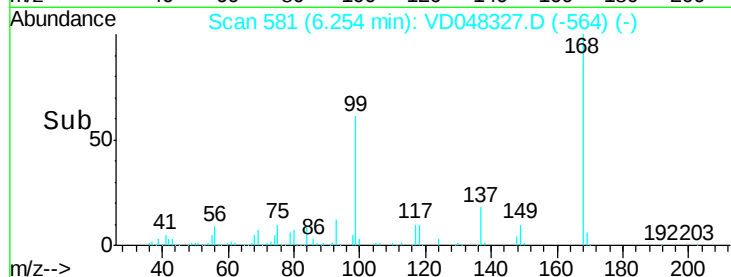
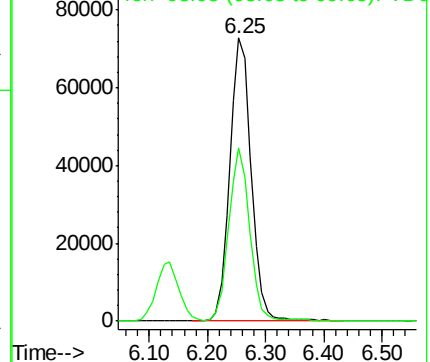
168 100

99 61.3 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 18.40 ug/l

RT: 1.40 min Scan# 89

Delta R.T. -0.01 min

Lab File: VD048327.D

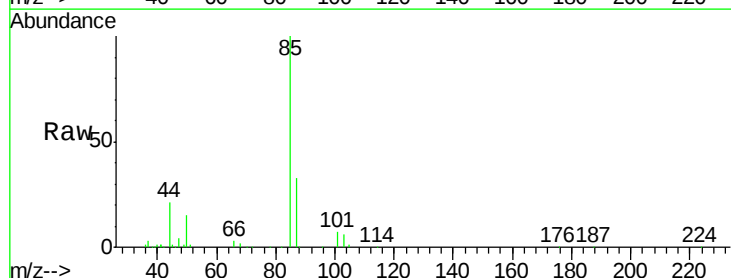
Acq: 6 Jan 2016 17:31

Tgt Ion: 85 Resp: 44264

Ion Ratio Lower Upper

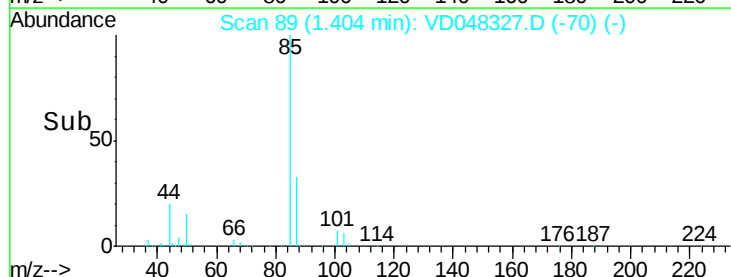
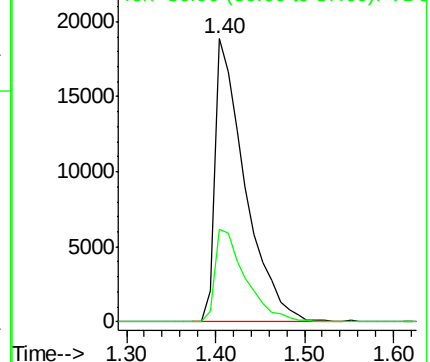
85 100

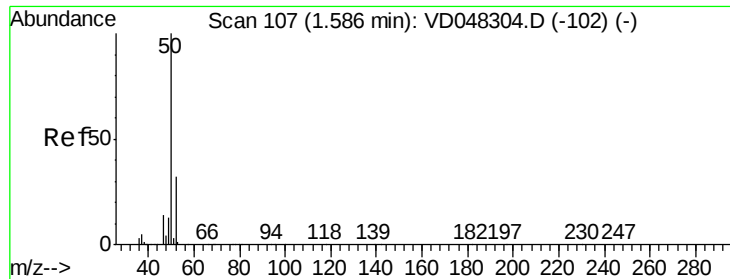
87 32.8 16.1 48.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 15.43 ug/l

RT: 1.60 min Scan# 109

Delta R.T. 0.02 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

Instrument :

BNA\_F

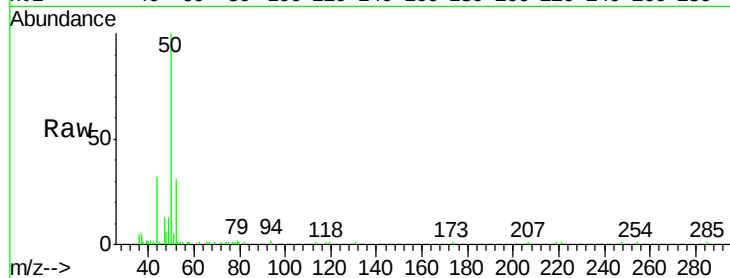
ClientSampleId :

Tot Ion: 50 Resp: 22743

Ion Ratio Lower Upper

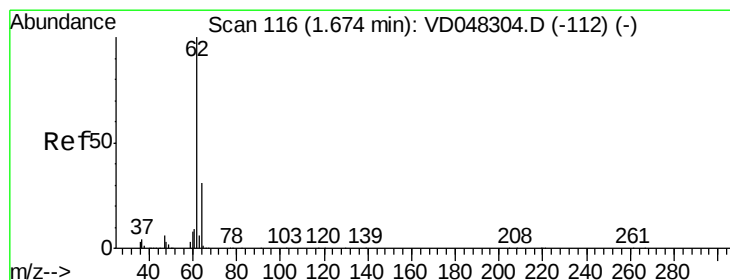
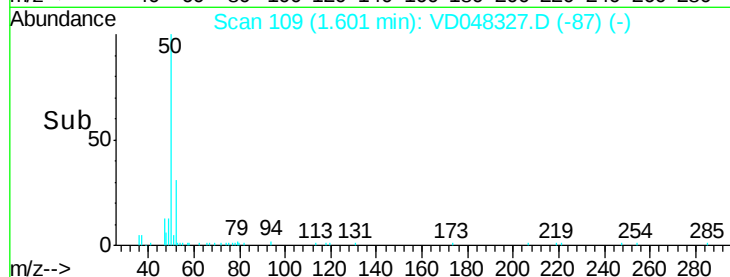
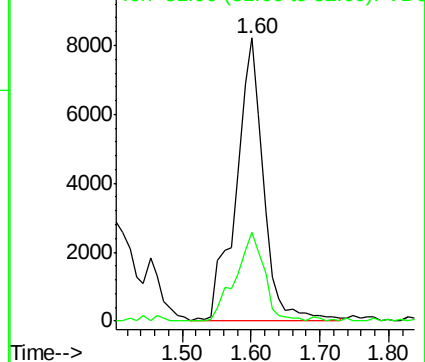
50 100

52 31.4 24.4 36.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 17.46 ug/l

RT: 1.66 min Scan# 115

Delta R.T. -0.01 min

Lab File: VD048327.D

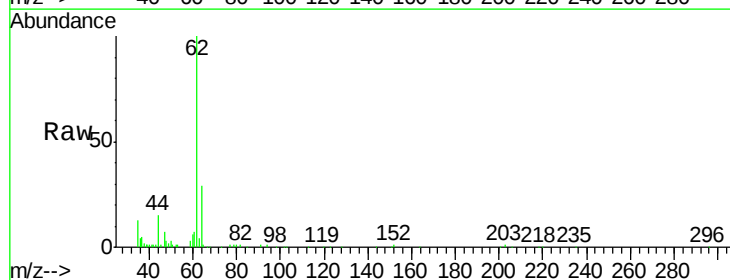
Acq: 6 Jan 2016 17:31

Tgt Ion: 62 Resp: 23737

Ion Ratio Lower Upper

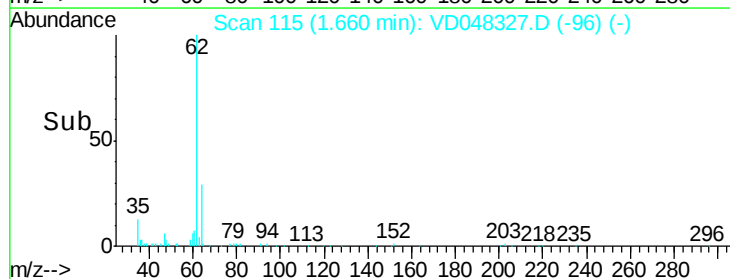
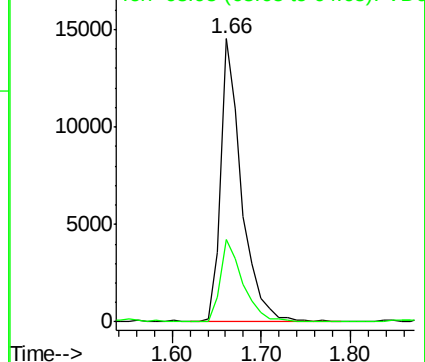
62 100

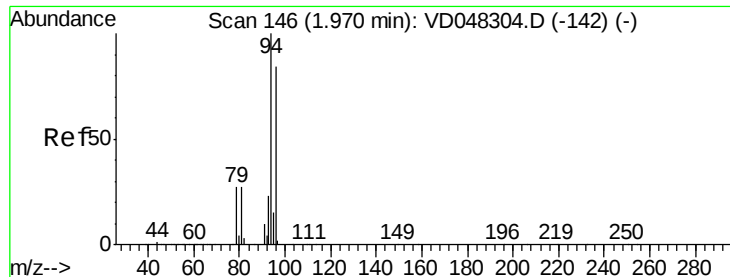
64 28.9 27.5 41.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 15.45 ug/l

RT: 1.95 min Scan# 144

Delta R.T. -0.02 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

Instrument :

BNA\_F

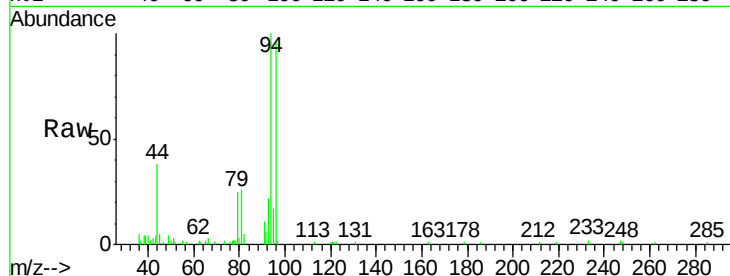
ClientSampleId :

Tot Ion: 94 Resp: 13782

Ion Ratio Lower Upper

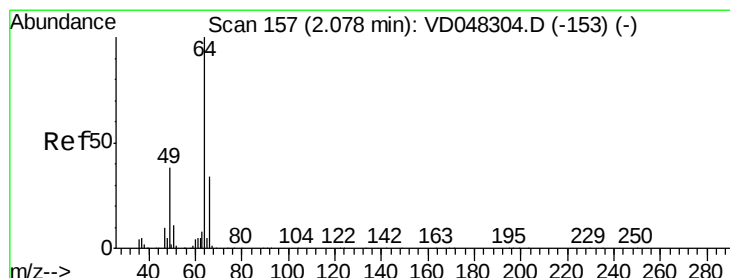
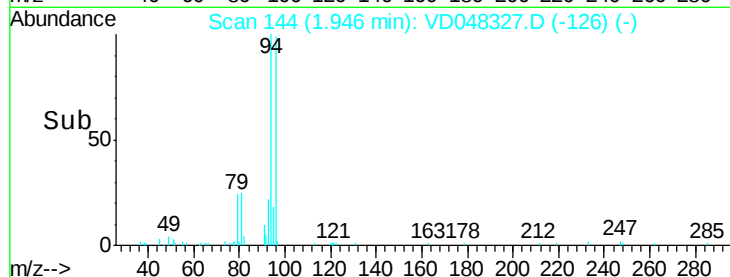
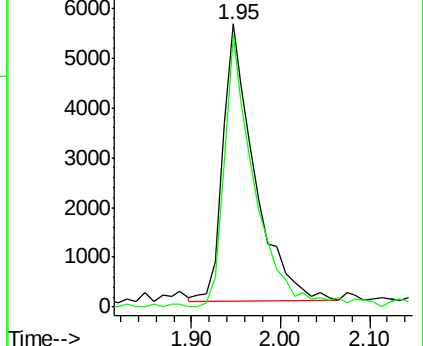
94 100

96 96.0 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 17.37 ug/l

RT: 2.05 min Scan# 155

Delta R.T. -0.02 min

Lab File: VD048327.D

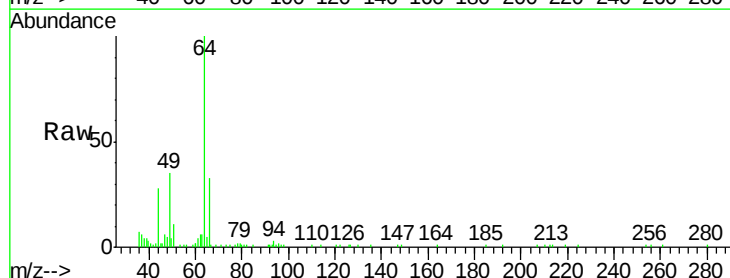
Acq: 6 Jan 2016 17:31

Tgt Ion: 64 Resp: 13563

Ion Ratio Lower Upper

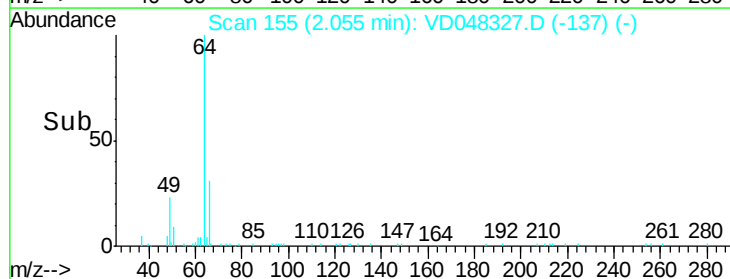
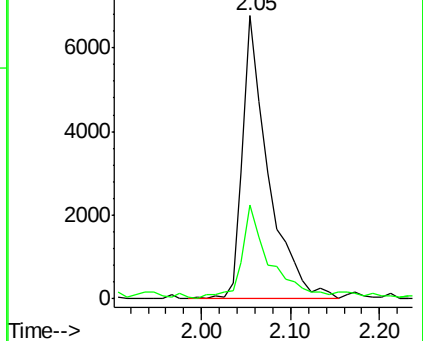
64 100

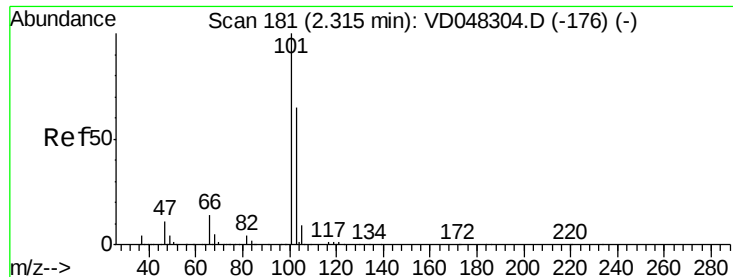
66 33.4 27.0 40.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



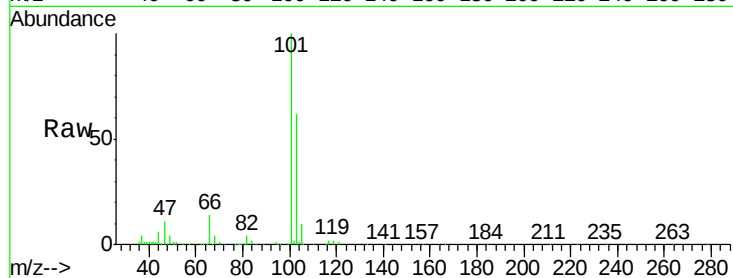


#7

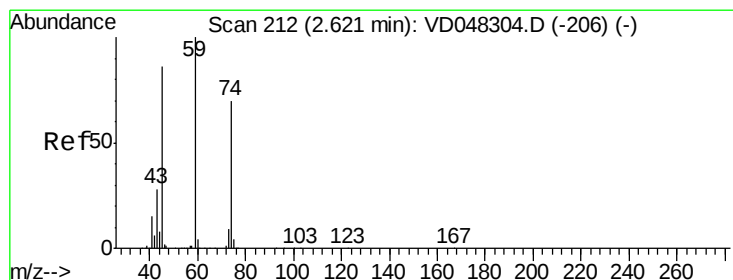
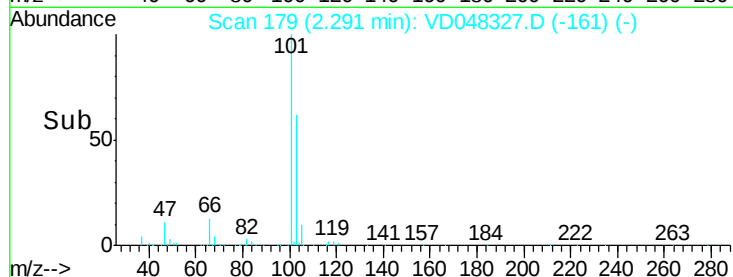
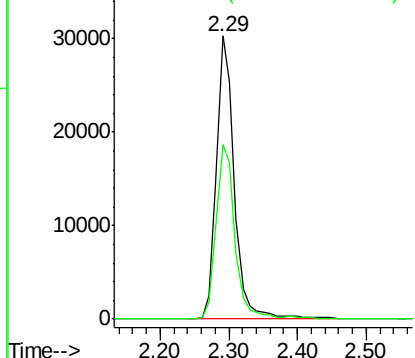
Trichlorofluoromethane  
 Concen: 18.06 ug/l  
 RT: 2.29 min Scan# 179  
 Delta R.T. -0.02 min  
 Lab File: VD048327.D  
 Acq: 6 Jan 2016 17:31

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:101 Resp: 54625  
 Ion Ratio Lower Upper  
 101 100  
 103 61.6 49.4 74.0



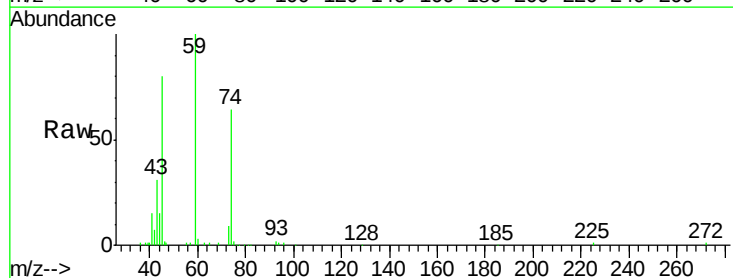
Abundance Ion 100.85 (100.55 to 101.55): V  
 Ion 102.85 (102.55 to 103.55): V



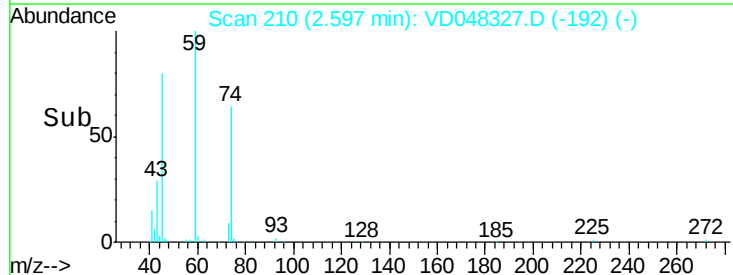
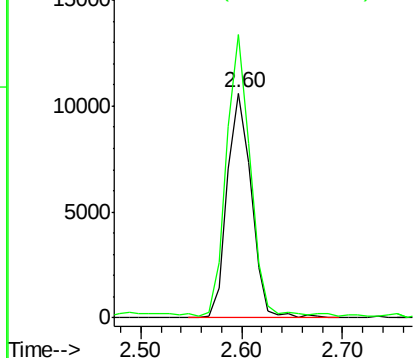
#8

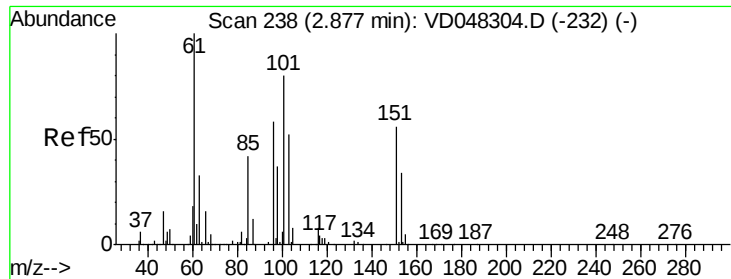
Diethyl Ether  
 Concen: 20.01 ug/l  
 RT: 2.60 min Scan# 210  
 Delta R.T. -0.02 min  
 Lab File: VD048327.D  
 Acq: 6 Jan 2016 17:31

Tgt Ion: 74 Resp: 17645  
 Ion Ratio Lower Upper  
 74 100  
 45 126.1 56.9 170.6



Abundance Ion 74.00 (73.70 to 74.70): VDC  
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.68 ug/l

RT: 2.85 min Scan# 236

Delta R.T. -0.02 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

Instrument :

BNA\_F

ClientSampleId :

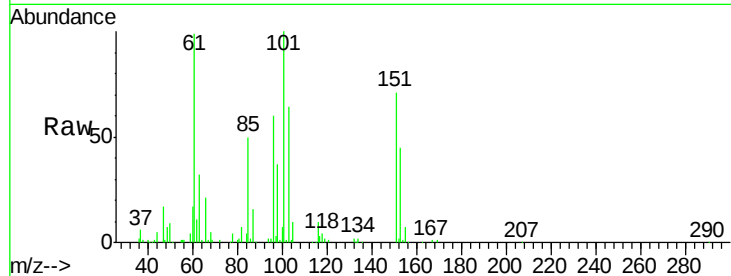
Tot Ion:101 Resp: 37534

Ion Ratio Lower Upper

101 100

85 49.8 41.0 61.4

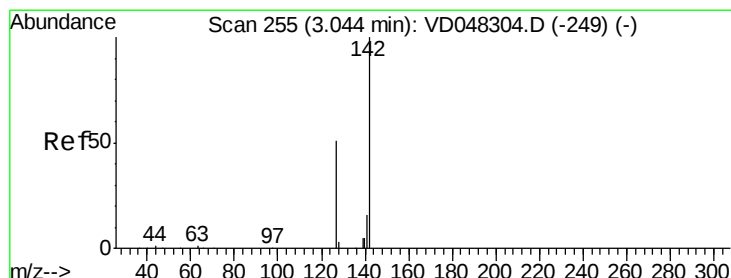
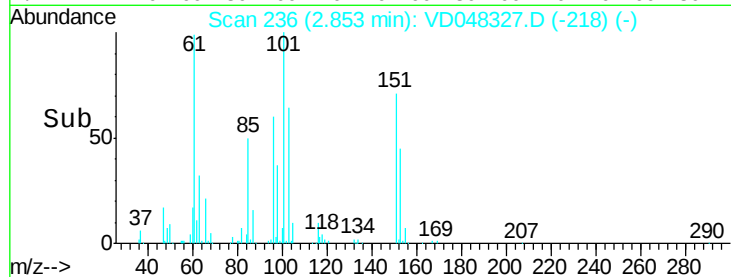
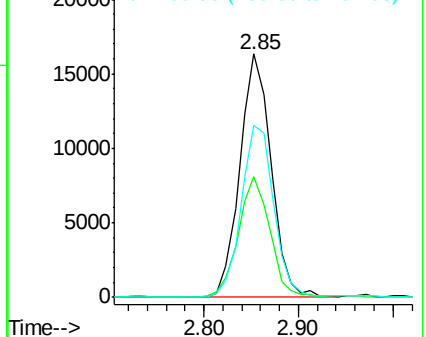
151 70.5 58.0 87.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 17.48 ug/l

RT: 3.02 min Scan# 253

Delta R.T. -0.02 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

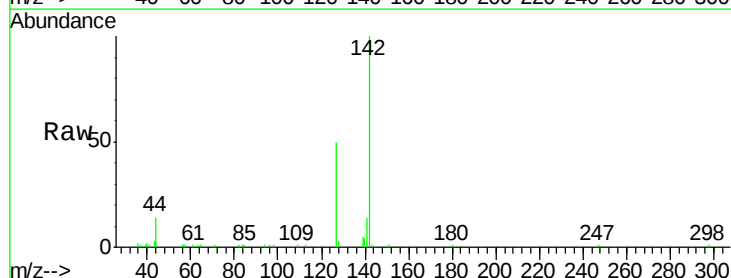
Tgt Ion:142 Resp: 24230

Ion Ratio Lower Upper

142 100

127 49.9 40.6 61.0

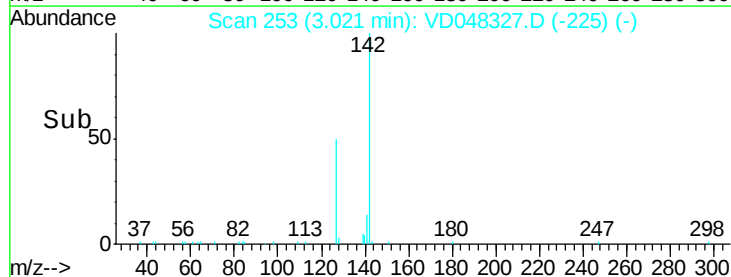
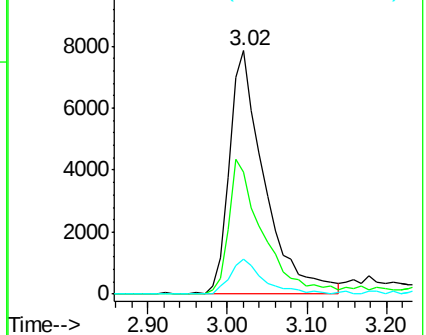
141 14.4 11.1 16.7

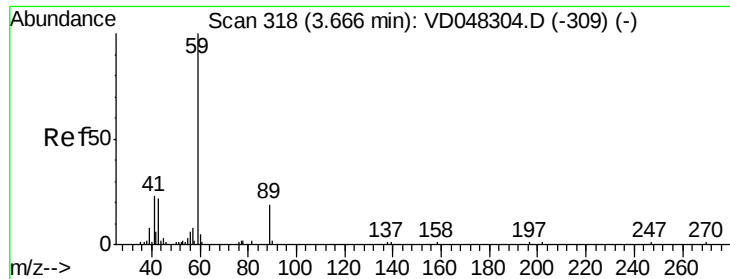


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



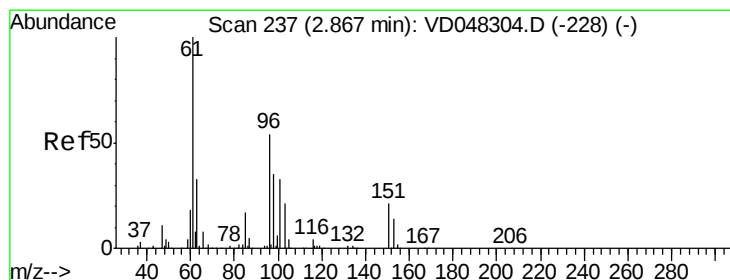
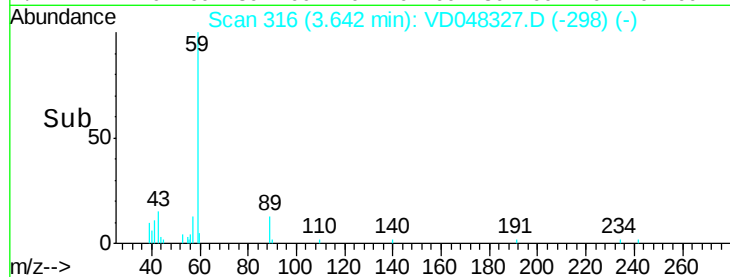
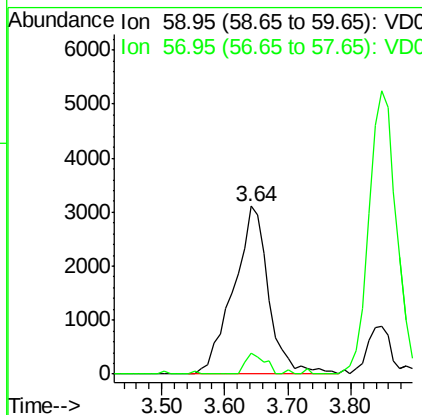
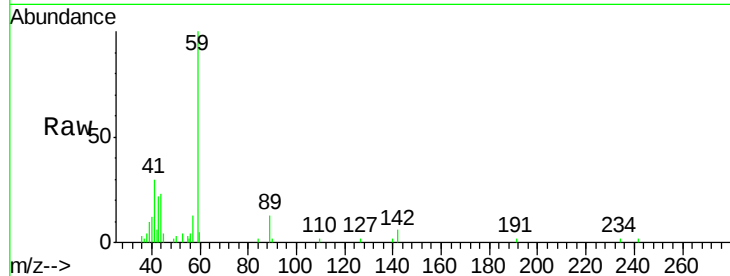


#11

Tert butyl alcohol  
Concen: 104.81 ug/l  
RT: 3.64 min Scan# 316  
Delta R.T. -0.02 min  
Lab File: VD048327.D  
Acq: 6 Jan 2016 17:31

Instrument :  
BNA\_F  
ClientSampleId :

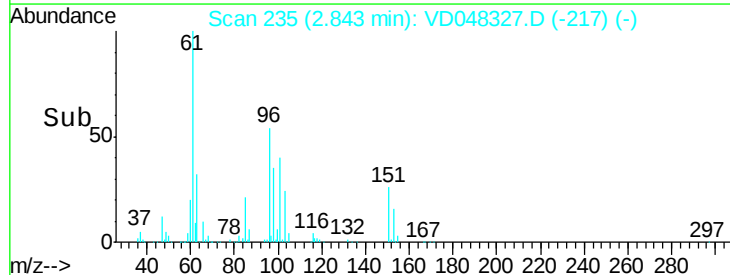
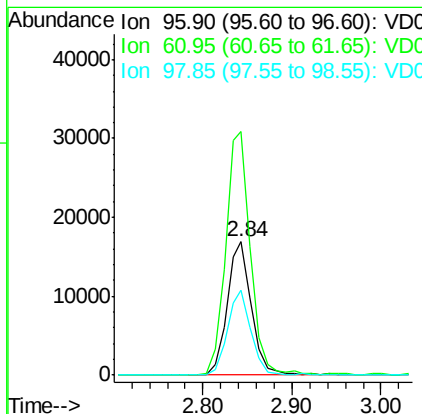
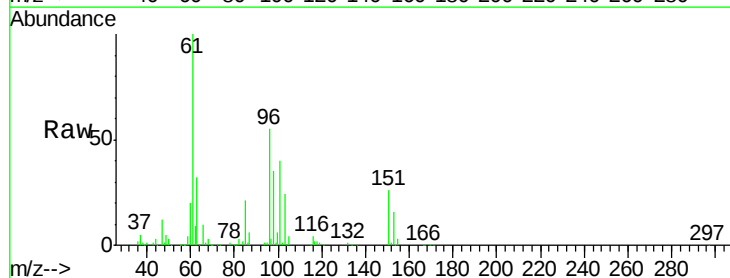
Tot Ion: 59 Resp: 12011  
Ion Ratio Lower Upper  
59 100  
57 12.7 7.9 11.9#

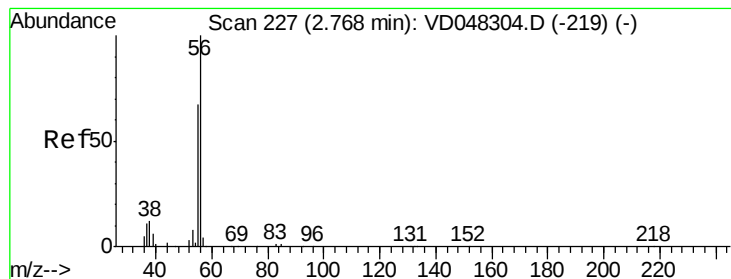


#12

1,1-Dichloroethene  
Concen: 18.82 ug/l  
RT: 2.84 min Scan# 235  
Delta R.T. -0.02 min  
Lab File: VD048327.D  
Acq: 6 Jan 2016 17:31

Tgt Ion: 96 Resp: 32458  
Ion Ratio Lower Upper  
96 100  
61 183.1 150.1 225.1  
98 63.8 50.6 76.0





#13

Acrolein

Concen: 113.47 ug/l

RT: 2.74 min Scan# 225

Delta R.T. -0.02 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

Instrument :

BNA\_F

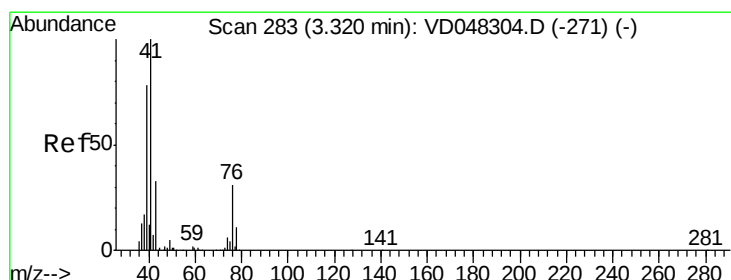
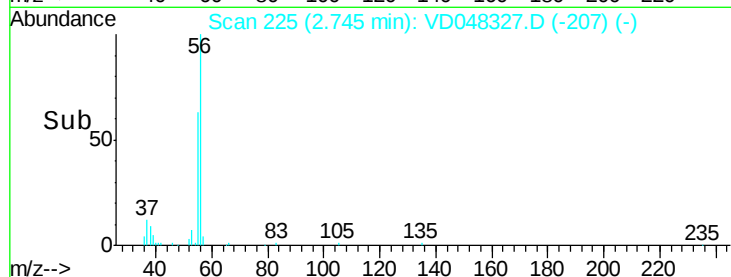
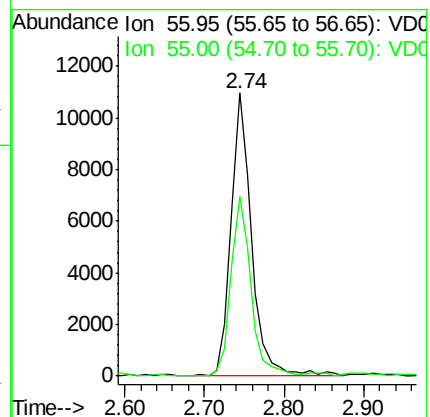
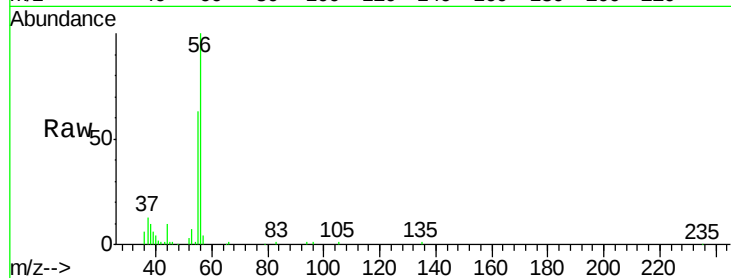
ClientSampleId :

Tot Ion: 56 Resp: 20131

Ion Ratio Lower Upper

56 100

55 63.5 52.2 78.4



#14

Allyl chloride

Concen: 17.67 ug/l

RT: 3.29 min Scan# 280

Delta R.T. -0.03 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

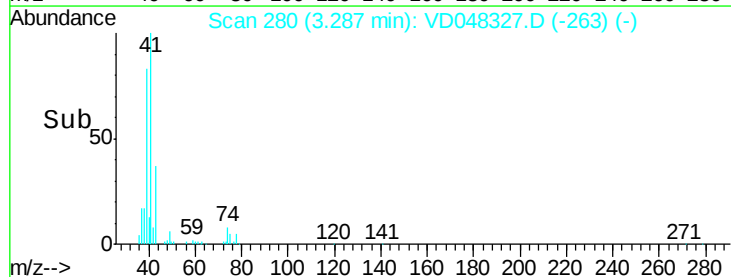
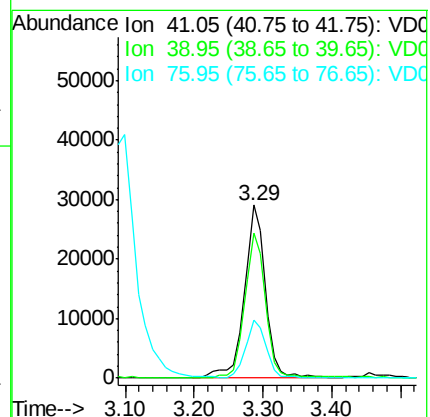
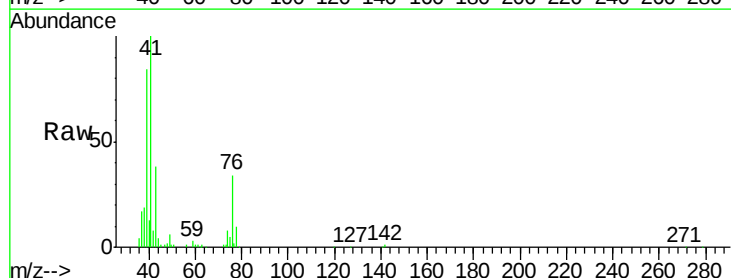
Tgt Ion: 41 Resp: 62165

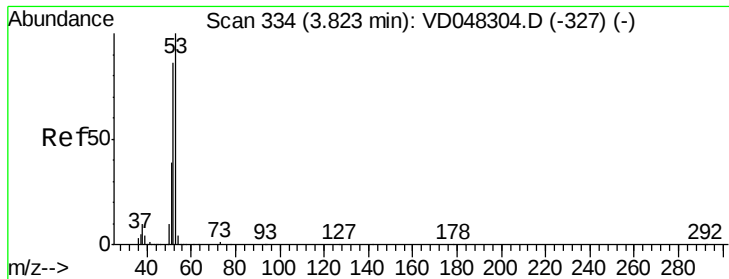
Ion Ratio Lower Upper

41 100

39 83.6 62.5 93.7

76 33.6 27.3 40.9





#15

Acrylonitrile

Concen: 112.44 ug/l

RT: 3.79 min Scan# 331

Delta R.T. -0.03 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

Instrument :

BNA\_F

ClientSampleId :

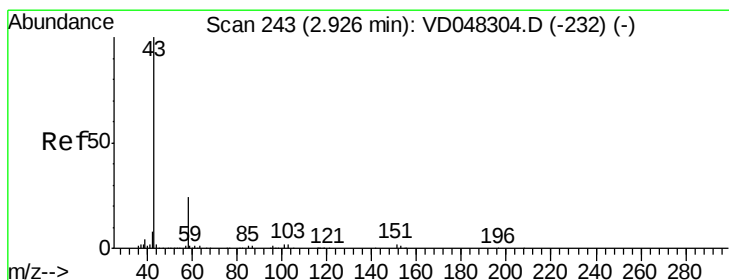
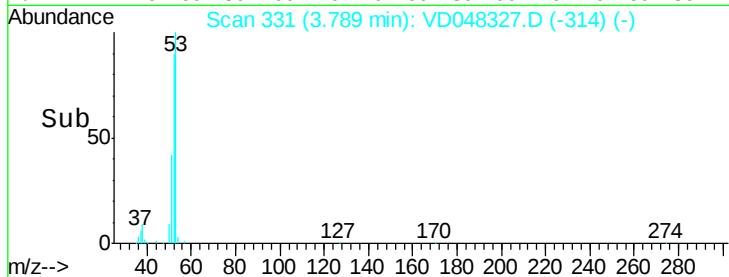
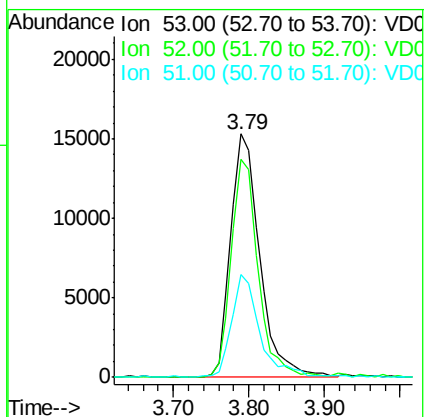
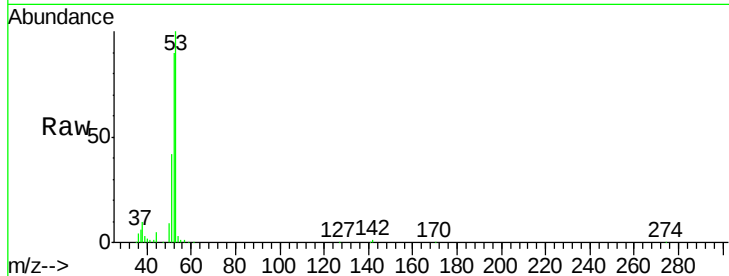
Tot Ion: 53 Resp: 40891

Ion Ratio Lower Upper

53 100

52 89.6 65.7 98.5

51 42.2 29.9 44.9



#16

Acetone

Concen: 96.06 ug/l

RT: 2.91 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD048327.D

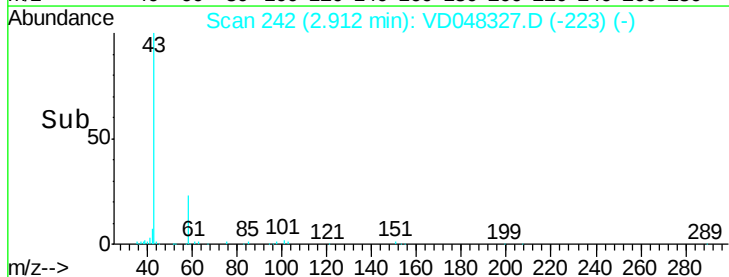
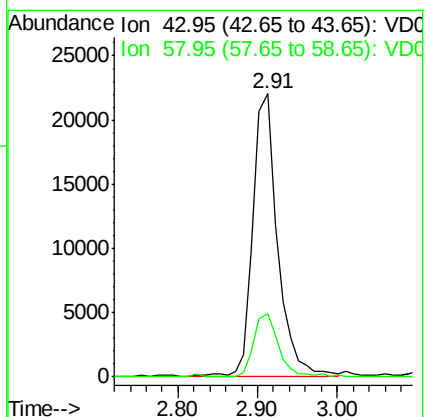
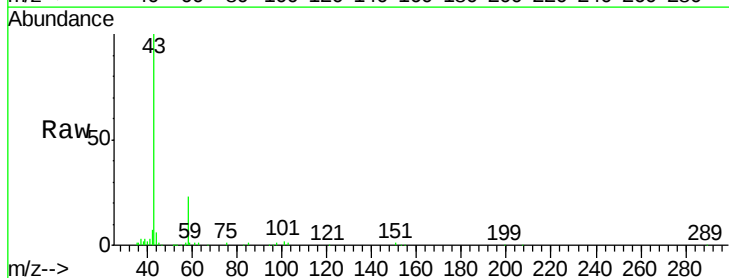
Acq: 6 Jan 2016 17:31

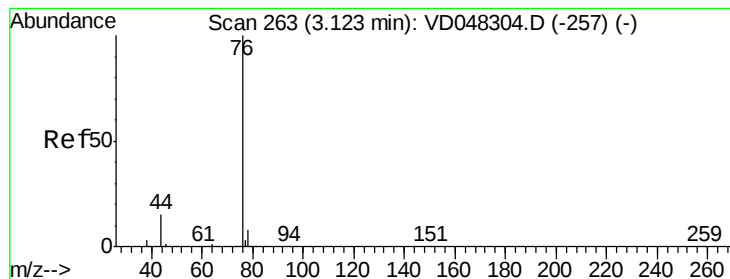
Tgt Ion: 43 Resp: 47166

Ion Ratio Lower Upper

43 100

58 22.5 20.6 30.8





#17

Carbon Disulfide

Concen: 16.73 ug/l

RT: 3.10 min Scan# 261

Delta R.T. -0.02 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

Instrument :

BNA\_F

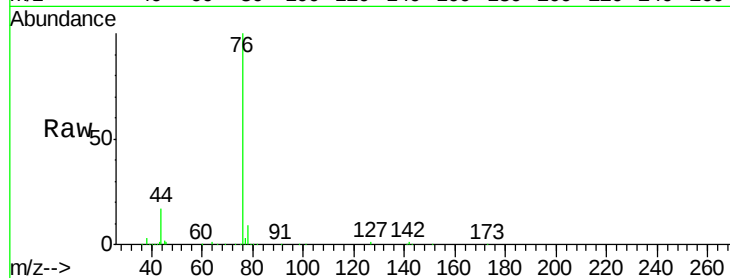
ClientSampleId :

Tot Ion: 76 Resp: 101598

Ion Ratio Lower Upper

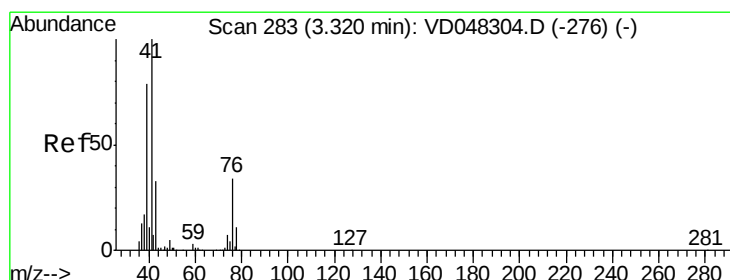
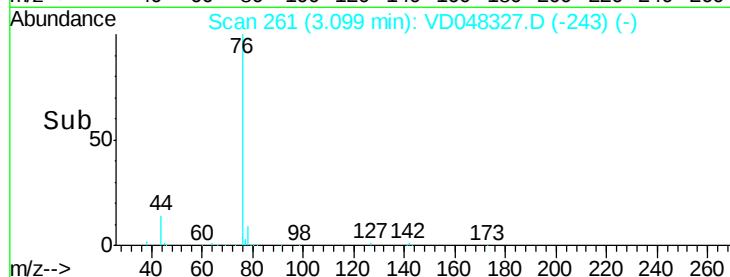
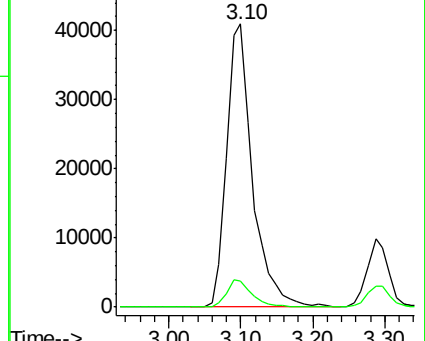
76 100

78 9.2 7.1 10.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 23.23 ug/l

RT: 3.30 min Scan# 281

Delta R.T. -0.02 min

Lab File: VD048327.D

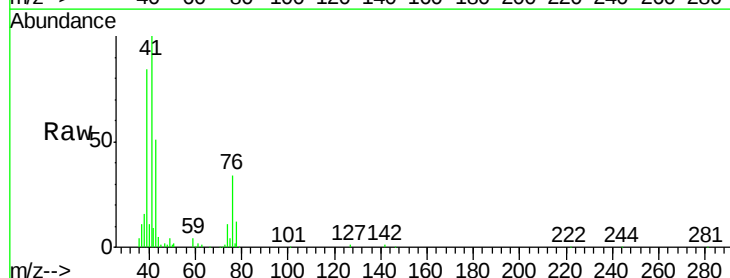
Acq: 6 Jan 2016 17:31

Tgt Ion: 43 Resp: 28225

Ion Ratio Lower Upper

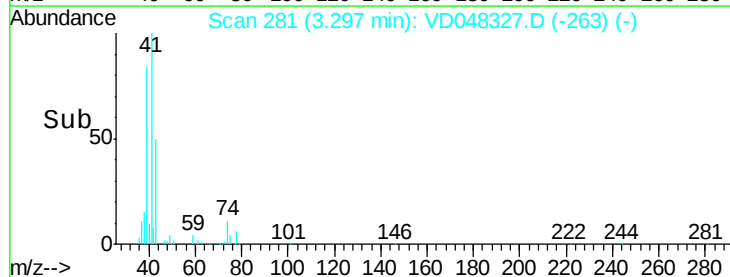
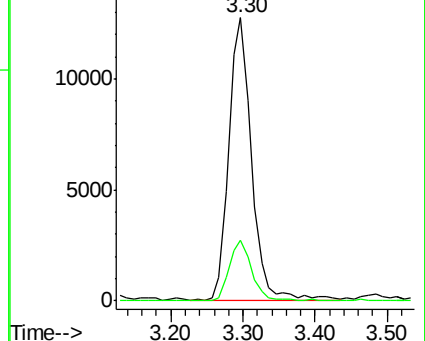
43 100

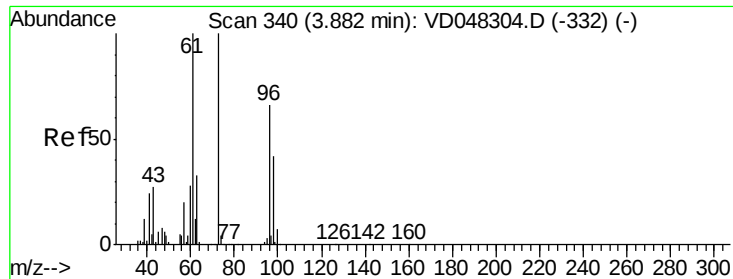
74 21.6 15.2 22.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

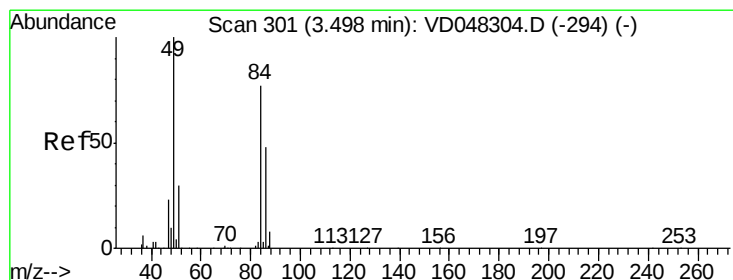
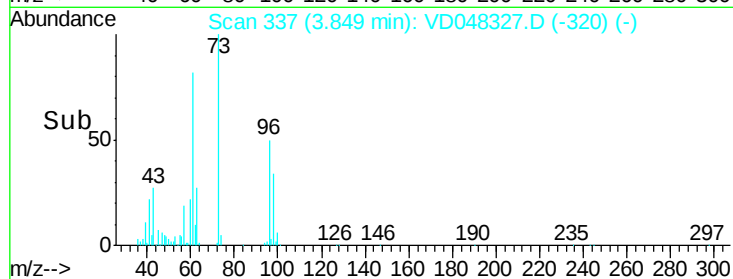
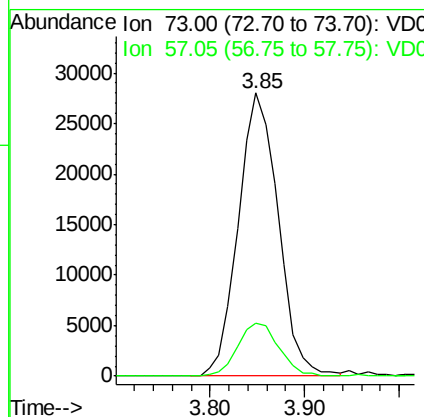
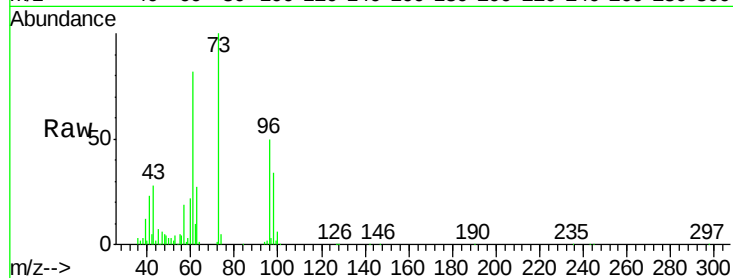




#19  
Methyl tert-butyl Ether  
Concen: 22.06 ug/l  
RT: 3.85 min Scan# 337  
Delta R.T. -0.03 min  
Lab File: VD048327.D  
Acq: 6 Jan 2016 17:31

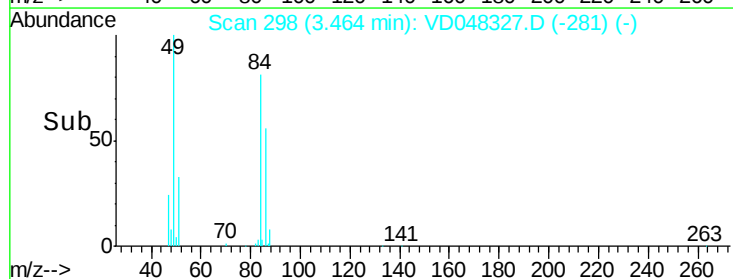
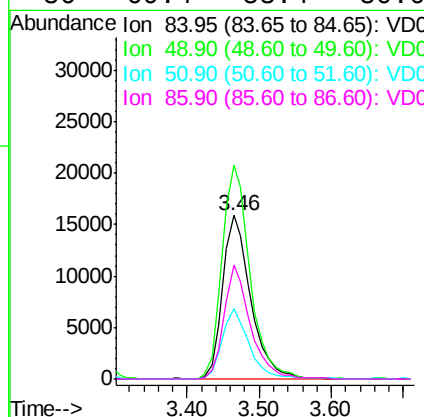
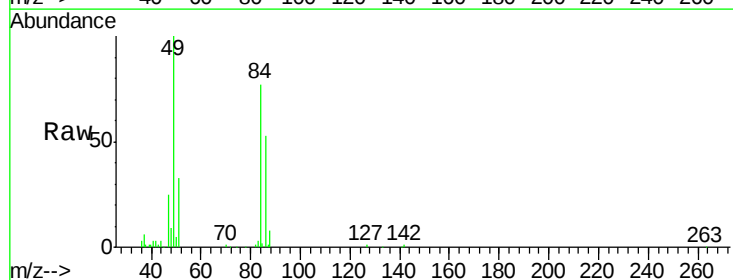
Instrument :  
BNA\_F  
ClientSampleId :

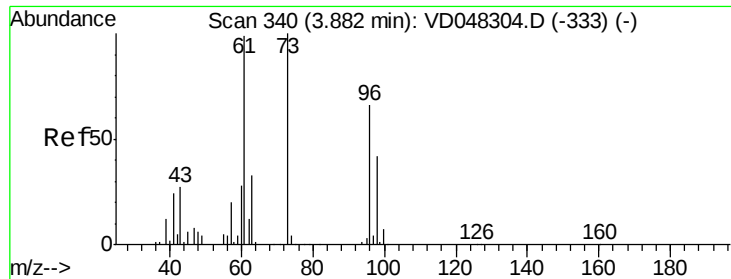
Tot Ion: 73 Resp: 82016  
Ion Ratio Lower Upper  
73 100  
57 18.7 15.1 22.7



#20  
Methylene Chloride  
Concen: 18.73 ug/l  
RT: 3.46 min Scan# 298  
Delta R.T. -0.03 min  
Lab File: VD048327.D  
Acq: 6 Jan 2016 17:31

Tgt Ion: 84 Resp: 42855  
Ion Ratio Lower Upper  
84 100  
49 130.5 106.5 159.7  
51 43.3 33.2 49.8  
86 69.4 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 17.97 ug/l

RT: 3.84 min Scan# 336

Delta R.T. -0.04 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

Instrument :

BNA\_F

ClientSampleId :

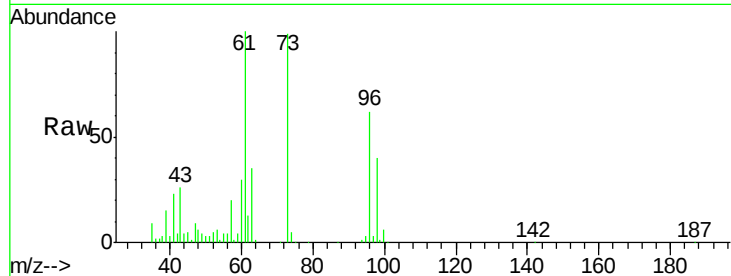
Tot Ion: 96 Resp: 34283

Ion Ratio Lower Upper

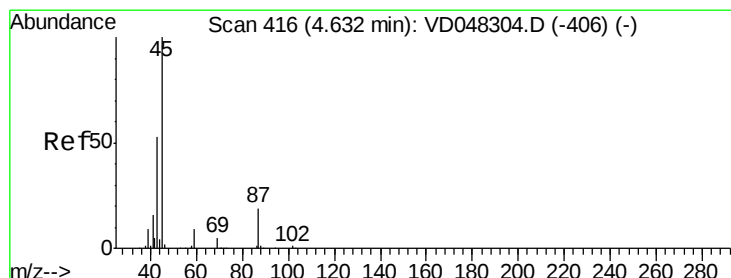
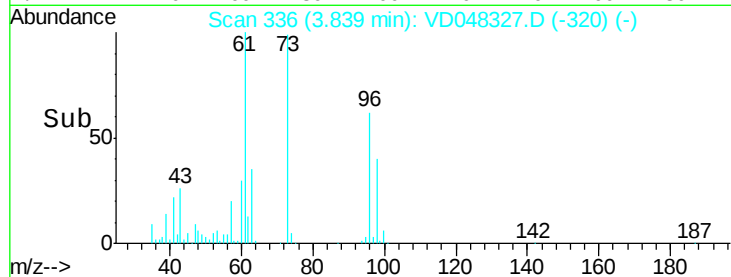
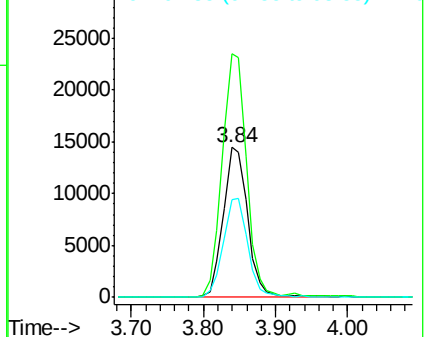
96 100

61 162.5 129.7 194.5

98 64.9 49.1 73.7



Abundance Ion 95.90 (95.60 to 96.60): VDC  
Ion 60.95 (60.65 to 61.65): VDC  
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 19.89 ug/l

RT: 4.60 min Scan# 413

Delta R.T. -0.03 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

Tgt Ion: 45 Resp: 132105

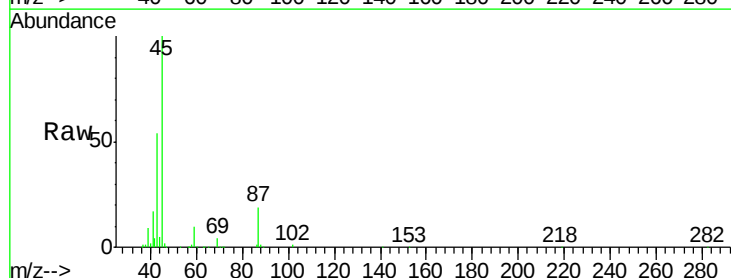
Ion Ratio Lower Upper

45 100

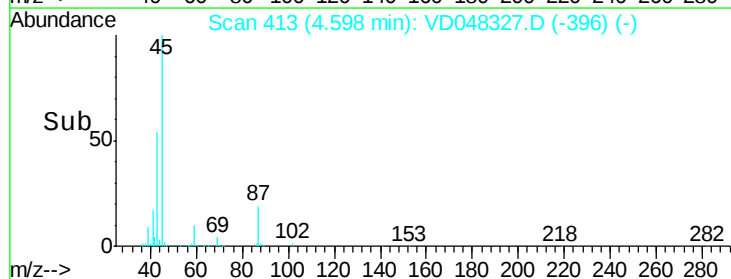
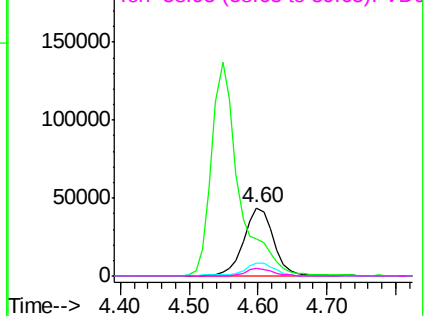
43 54.2 40.0 60.0

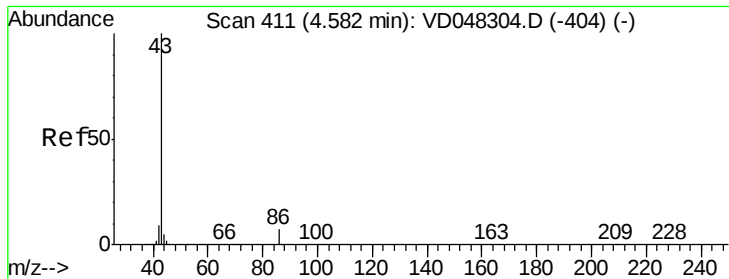
87 19.1 15.8 23.8

59 10.5 8.0 12.0



Abundance Ion 45.05 (44.75 to 45.75): VDC  
Ion 43.05 (42.75 to 43.75): VDC  
Ion 87.00 (86.70 to 87.70): VDC  
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 117.18 ug/l

RT: 4.55 min Scan# 408

Delta R.T. -0.03 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

Instrument :

BNA\_F

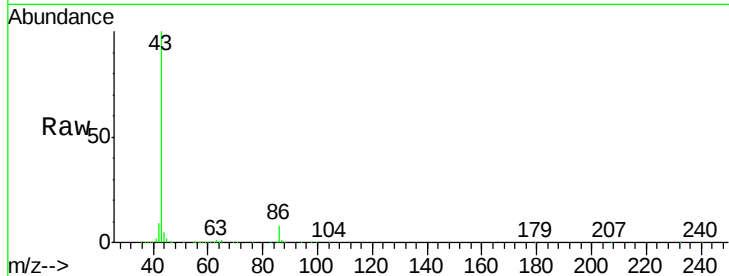
ClientSampleId :

Tot Ion: 43 Resp: 384087

Ion Ratio Lower Upper

43 100

86 8.0 6.3 9.5



Abundance Ion 42.95 (42.65 to 43.65): VD048327.D (-391) (-)

Ion 86.00 (85.70 to 86.70): VD048327.D (-391) (-)

4.55

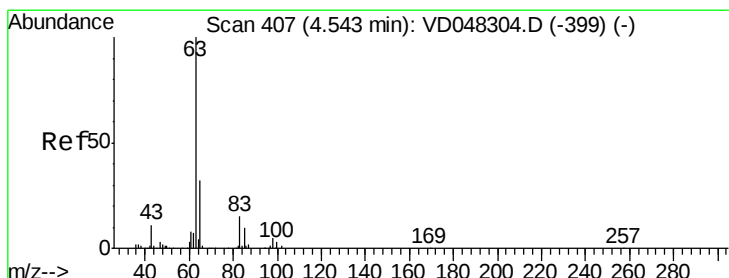
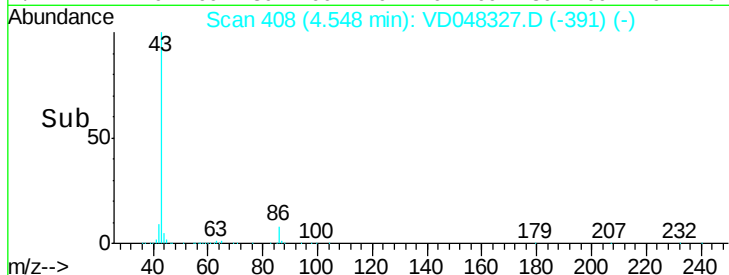
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.26 ug/l

RT: 4.51 min Scan# 404

Delta R.T. -0.03 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

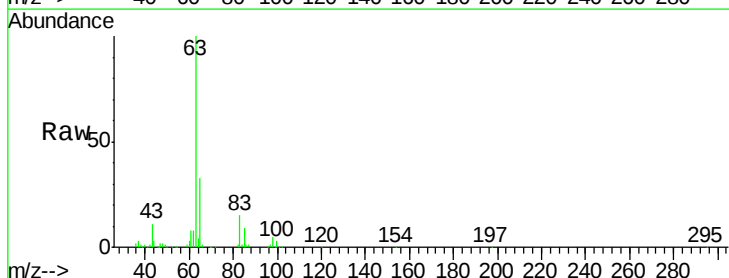
Tgt Ion: 63 Resp: 74459

Ion Ratio Lower Upper

63 100

98 4.6 2.5 7.5

100 2.8 1.6 4.7



Abundance Ion 62.95 (62.65 to 63.65): VD048327.D (-387) (-)

Ion 97.95 (97.65 to 98.65): VD048327.D (-387) (-)

Ion 99.95 (99.65 to 100.65): VD048327.D (-387) (-)

4.51

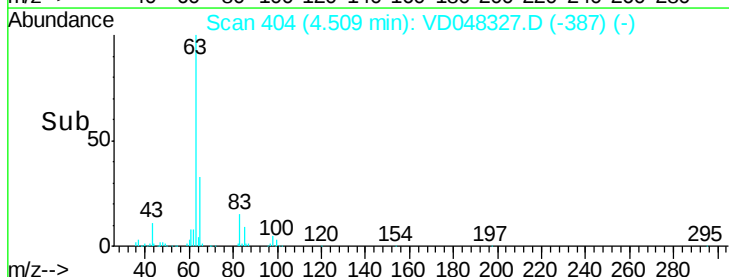
30000

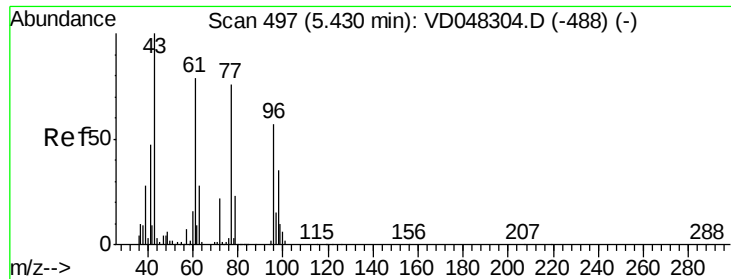
20000

10000

0

Time-->





#25

2-Butanone

Concen: 121.92 ug/l

RT: 5.40 min Scan# 494

Delta R.T. -0.03 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

Instrument :

BNA\_F

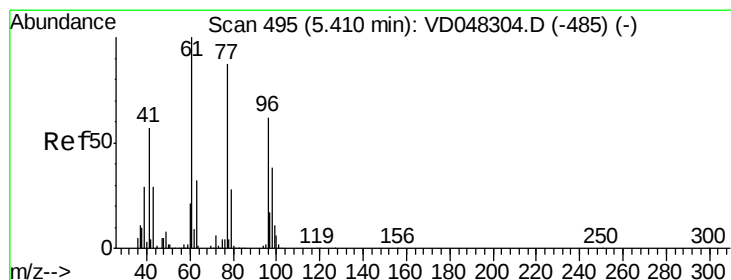
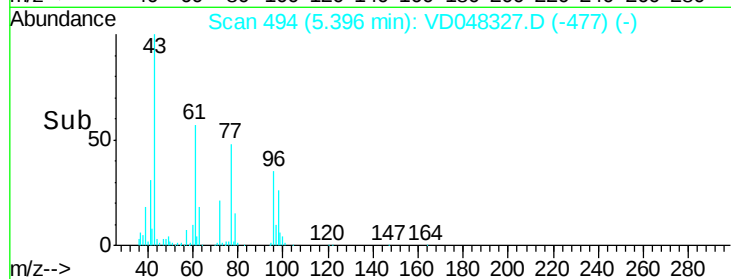
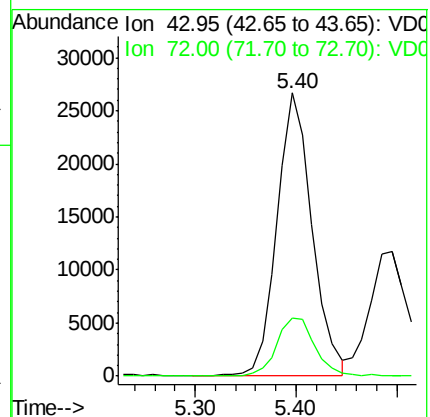
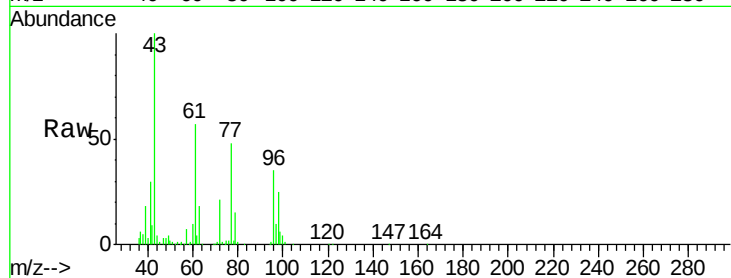
ClientSampled :

Tot Ion: 43 Resp: 64503

Ion Ratio Lower Upper

43 100

72 20.7 17.8 26.6



#26

2,2-Dichloropropane

Concen: 17.82 ug/l

RT: 5.38 min Scan# 492

Delta R.T. -0.03 min

Lab File: VD048327.D

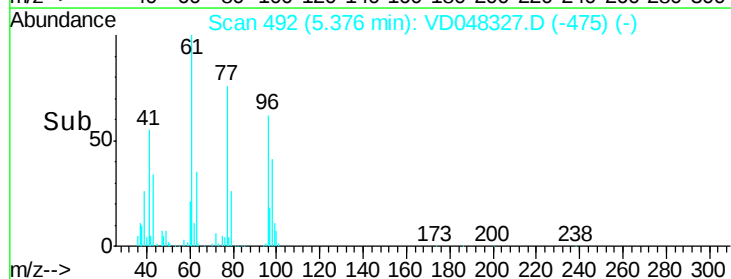
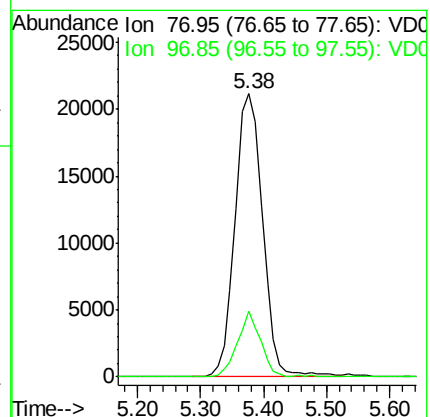
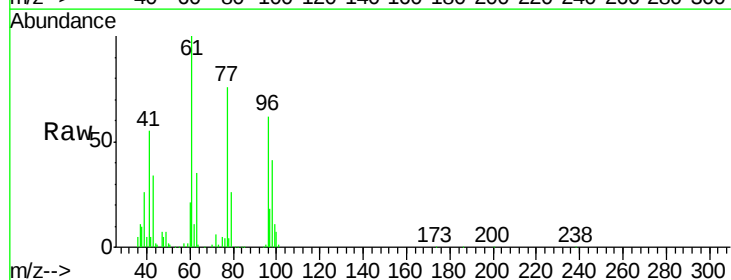
Acq: 6 Jan 2016 17:31

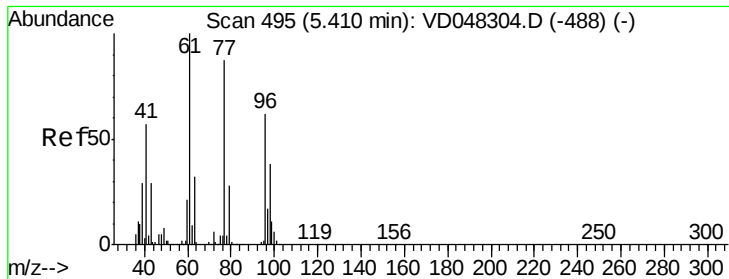
Tgt Ion: 77 Resp: 64141

Ion Ratio Lower Upper

77 100

97 23.3 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 19.51 ug/l

RT: 5.38 min Scan# 492

Delta R.T. -0.03 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

Instrument :

BNA\_F

ClientSampleId :

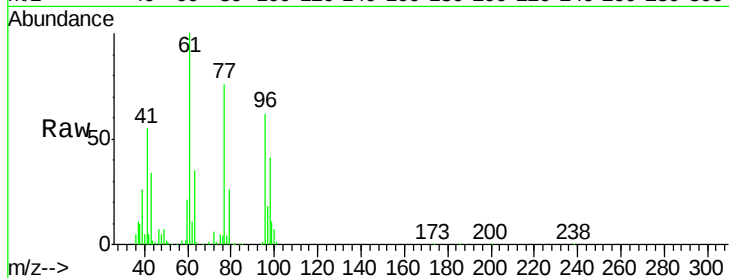
Tot Ion: 96 Resp: 43363

Ion Ratio Lower Upper

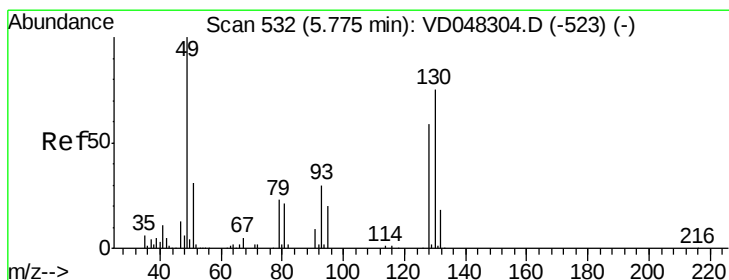
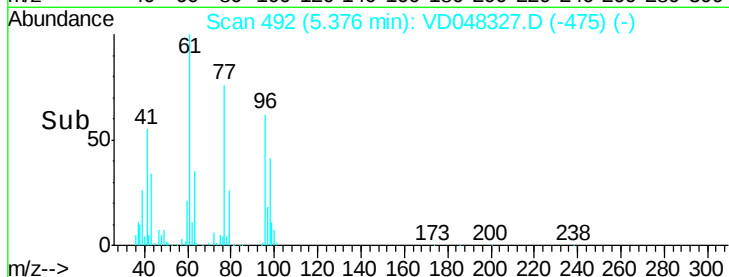
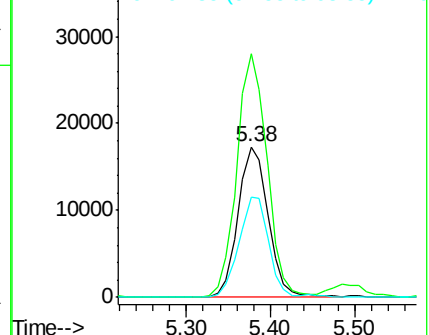
96 100

61 162.2 0.0 332.6

98 66.4 0.0 130.8



Abundance Ion 95.90 (95.60 to 96.60): VDC  
Ion 60.95 (60.65 to 61.65): VDC  
Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 18.26 ug/l

RT: 5.74 min Scan# 529

Delta R.T. -0.03 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

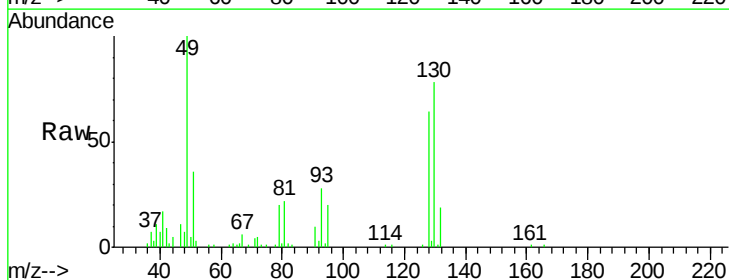
Tgt Ion: 49 Resp: 29391

Ion Ratio Lower Upper

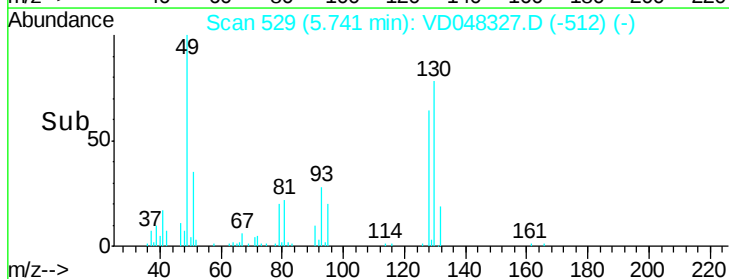
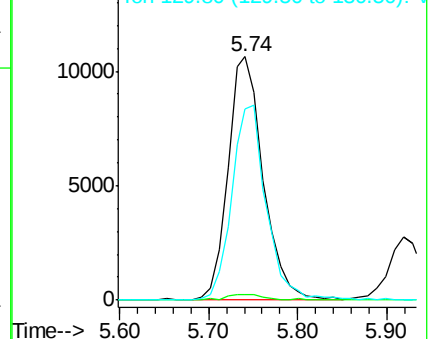
49 100

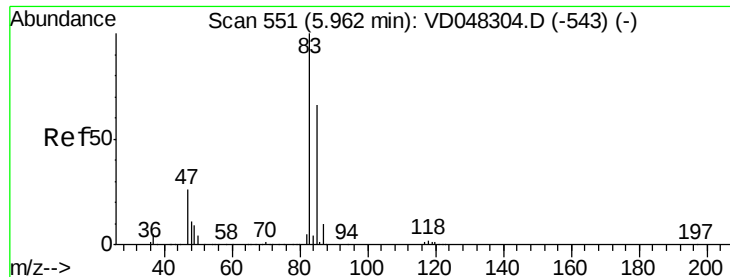
129 2.5 0.0 4.2

130 78.4 62.3 93.5



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

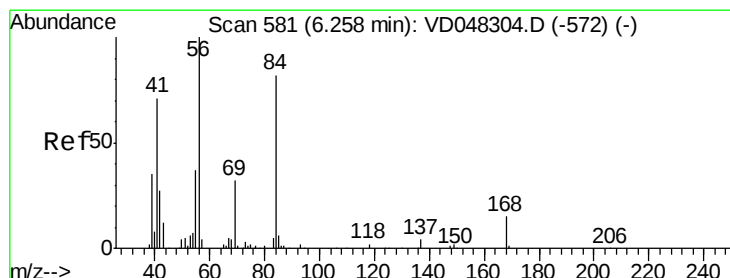
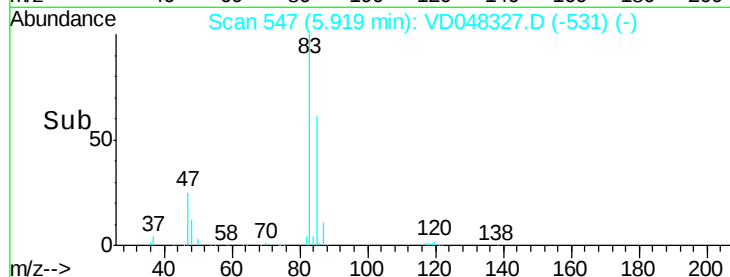
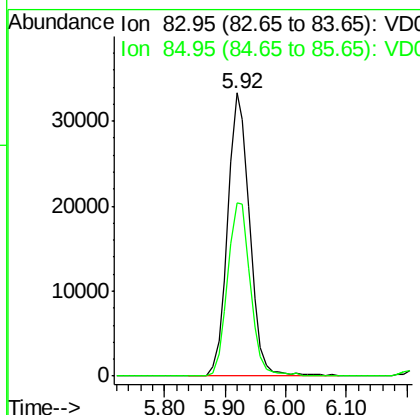
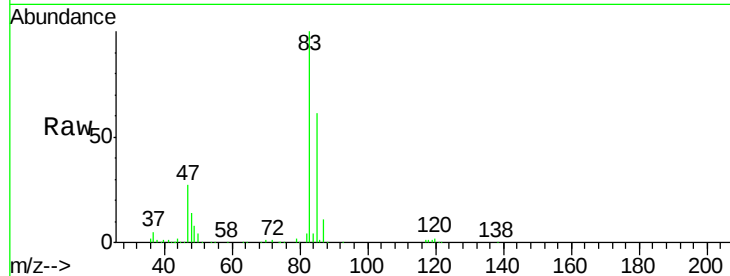




#29  
Chloroform  
Concen: 19.80 ug/l  
RT: 5.92 min Scan# 547  
Delta R.T. -0.04 min  
Lab File: VD048327.D  
Acq: 6 Jan 2016 17:31

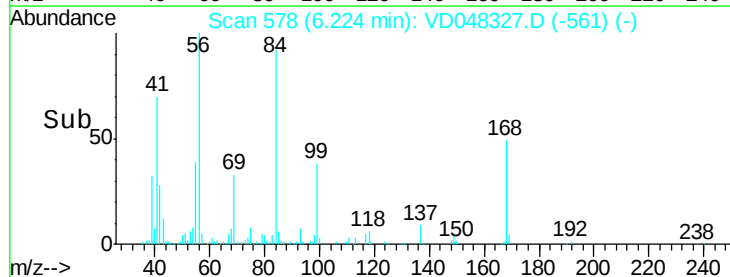
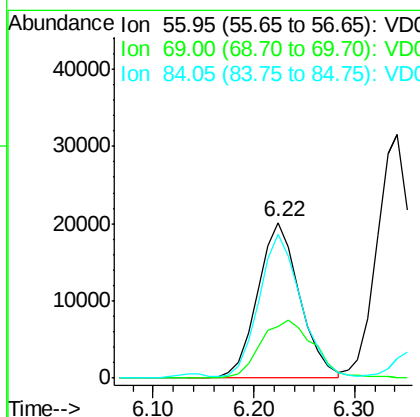
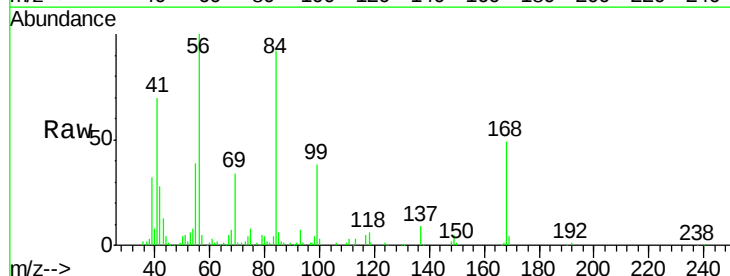
Instrument :  
BNA\_F  
ClientSampleId :

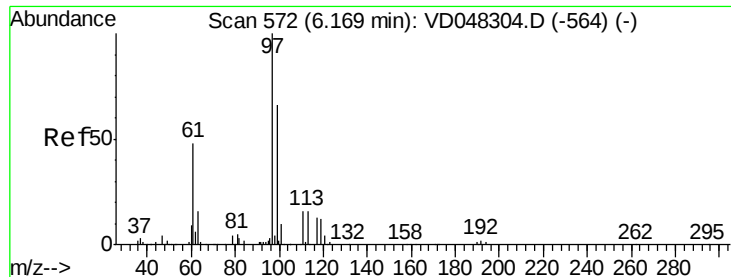
Tot Ion: 83 Resp: 84057  
Ion Ratio Lower Upper  
83 100  
85 61.2 50.2 75.4



#30  
Cyclohexane  
Concen: 18.08 ug/l  
RT: 6.22 min Scan# 578  
Delta R.T. -0.03 min  
Lab File: VD048327.D  
Acq: 6 Jan 2016 17:31

Tgt Ion: 56 Resp: 58301  
Ion Ratio Lower Upper  
56 100  
69 33.6 26.2 39.2  
84 92.1 68.5 102.7





#31

1,1,1-Trichloroethane

Concen: 19.15 ug/l

RT: 6.13 min Scan# 568

Delta R.T. -0.04 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

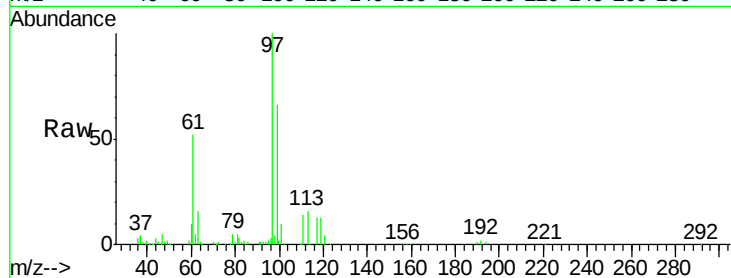
Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 97 Resp: 63268

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 65.5  | 52.2  | 78.4  |
| 61  | 52.3  | 36.0  | 54.0  |

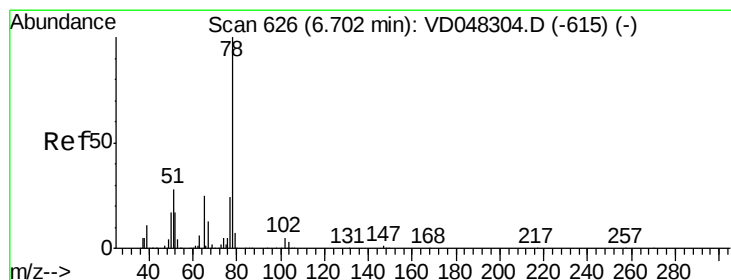
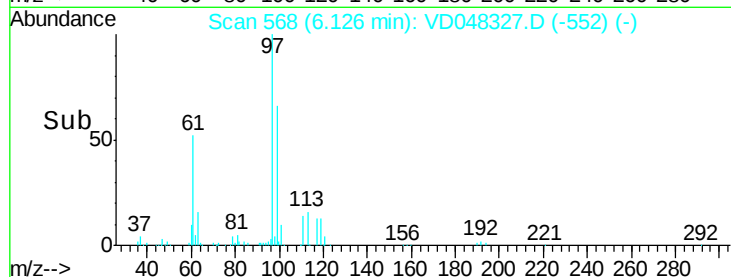
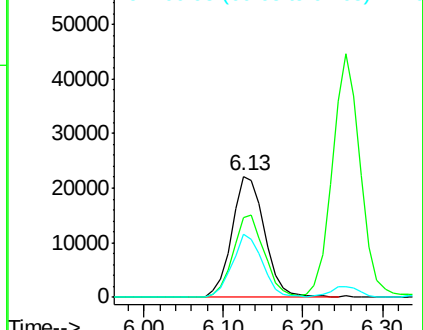


Abundance

Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC



#32

1,2-Dichloroethane-d4

Concen: 19.15 ug/l

RT: 6.67 min Scan# 623

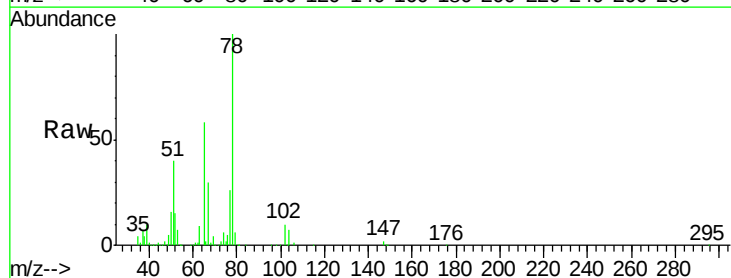
Delta R.T. -0.03 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

Tgt Ion: 65 Resp: 95548

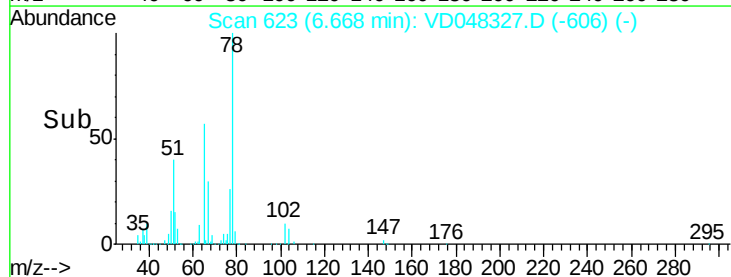
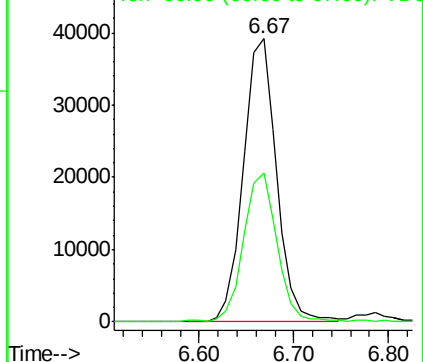
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 52.7  | 0.0   | 106.0 |

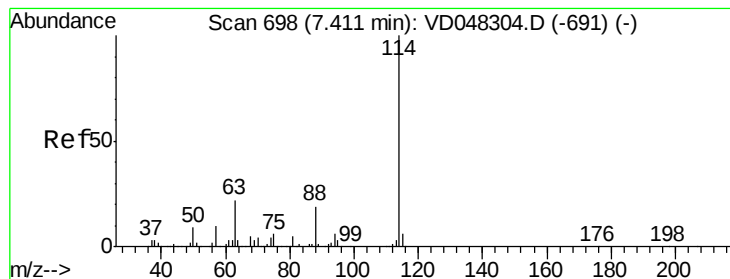


Abundance

Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





#33

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.38 min Scan# 695

Delta R.T. -0.03 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

Instrument :

BNA\_F

ClientSampleId :

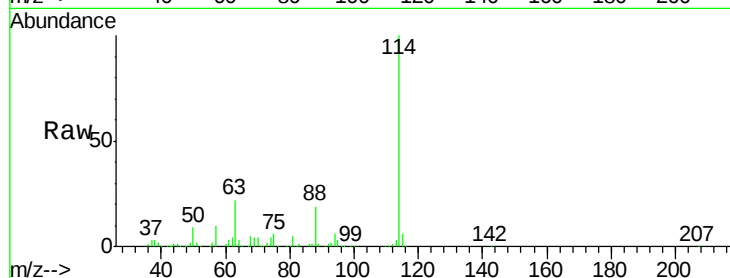
Tot Ion:114 Resp: 328754

Ion Ratio Lower Upper

114 100

63 21.6 0.0 39.4

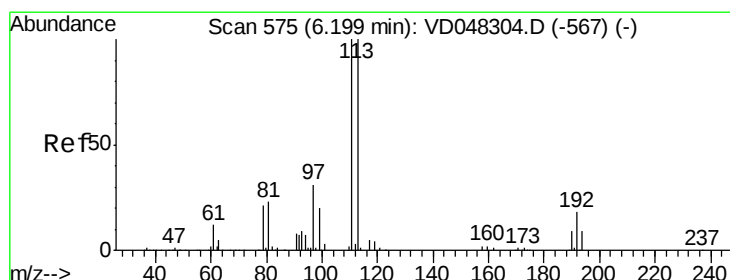
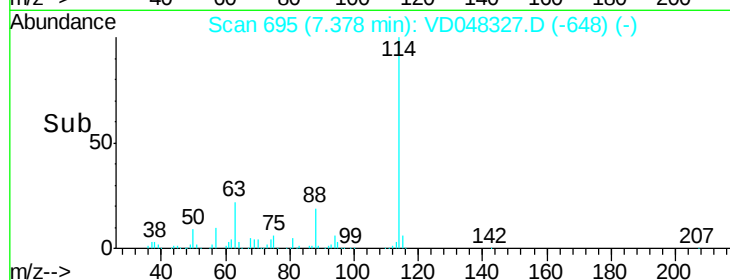
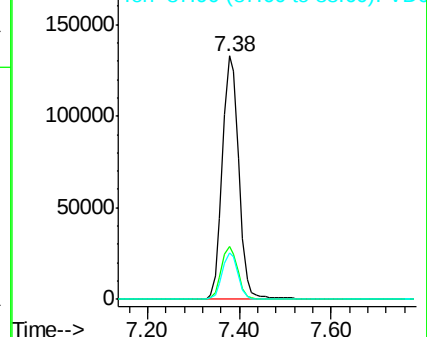
88 19.0 0.0 35.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#34

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.16 min Scan# 571

Delta R.T. -0.04 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

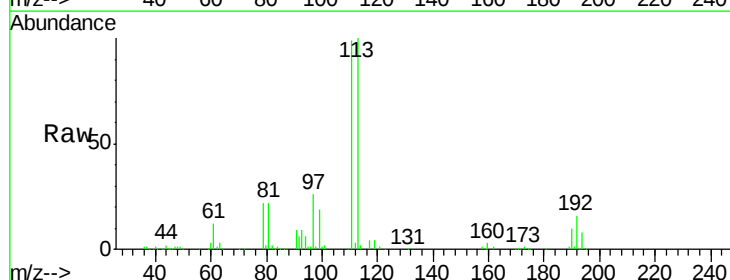
Tgt Ion:113 Resp: 91108

Ion Ratio Lower Upper

113 100

111 99.4 83.7 125.5

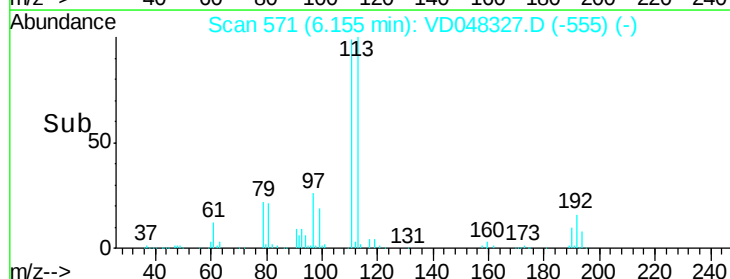
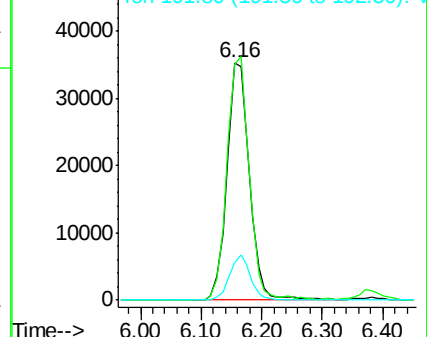
192 15.9 13.9 20.9

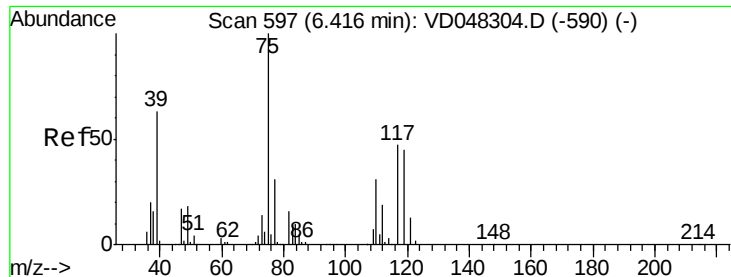


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#35

1,1-Dichloropropene

Concen: 19.25 ug/l

RT: 6.38 min Scan# 594

Delta R.T. -0.03 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

Instrument :

BNA\_F

ClientSampleId :

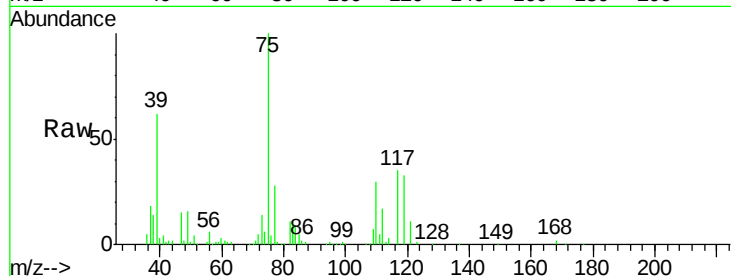
Tot Ion: 75 Resp: 62963

Ion Ratio Lower Upper

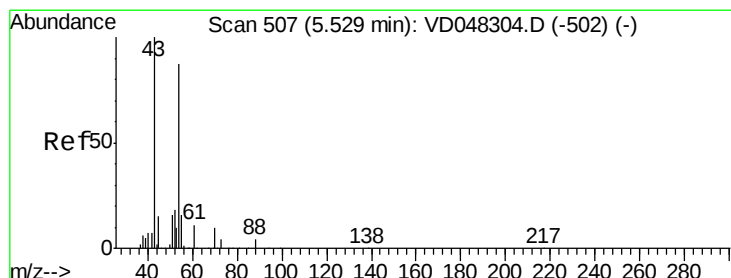
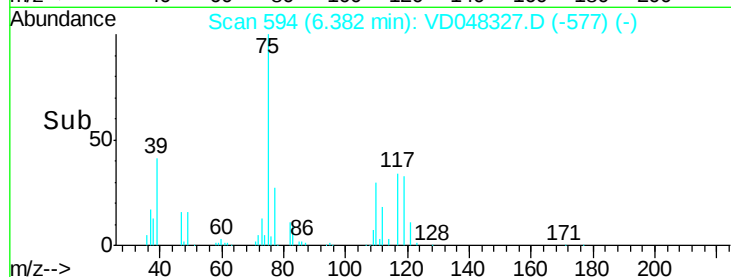
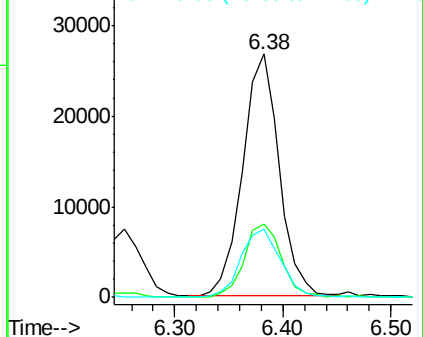
75 100

110 30.0 15.6 46.8

77 28.1 24.2 36.2



Abundance Ion 75.00 (74.70 to 75.70): VDC  
Ion 109.90 (109.60 to 110.60): VDC  
Ion 76.95 (76.65 to 77.65): VDC



#36

Ethyl Acetate

Concen: 21.68 ug/l

RT: 5.49 min Scan# 504

Delta R.T. -0.03 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

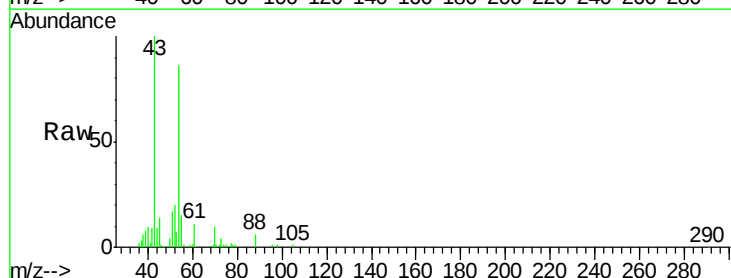
Tgt Ion: 43 Resp: 31317

Ion Ratio Lower Upper

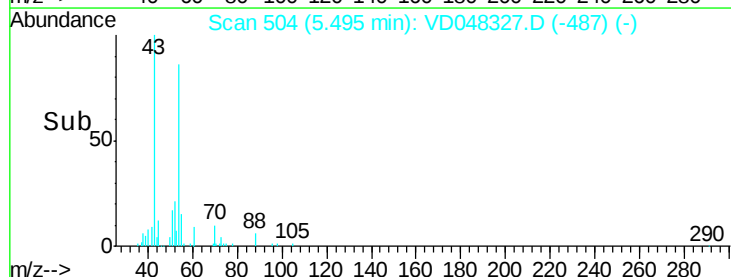
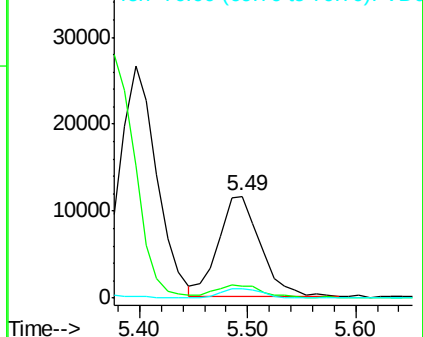
43 100

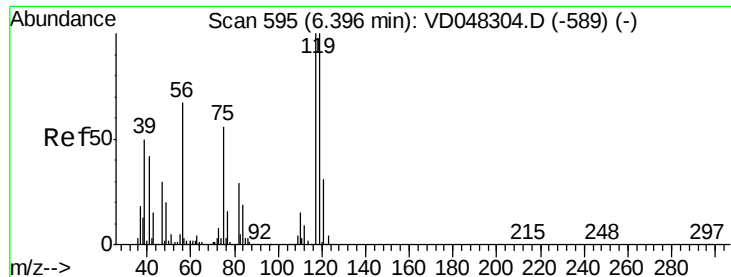
61 11.4 10.2 15.2

70 10.3 7.8 11.8



Abundance Ion 42.95 (42.65 to 43.65): VDC  
Ion 60.95 (60.65 to 61.65): VDC  
Ion 70.00 (69.70 to 70.70): VDC





#37

Carbon Tetrachloride

Concen: 17.91 ug/l

RT: 6.36 min Scan# 592

Delta R.T. -0.03 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

Instrument :

BNA\_F

ClientSampled :

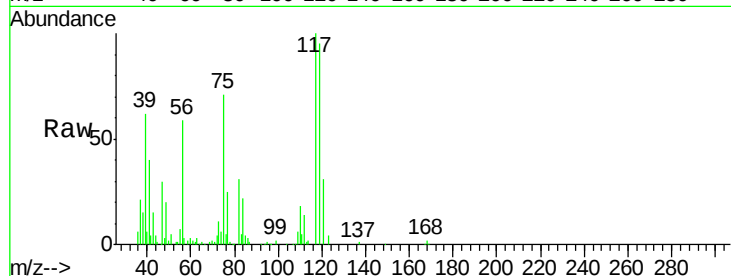
Tot Ion:117 Resp: 52177

Ion Ratio Lower Upper

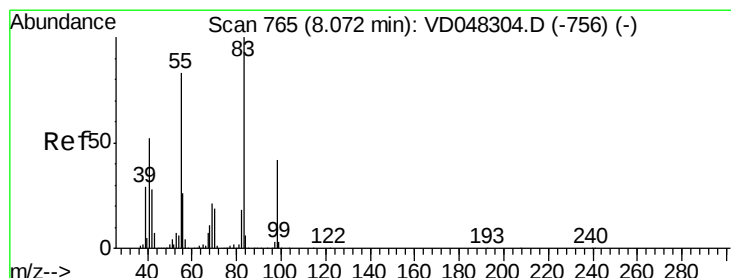
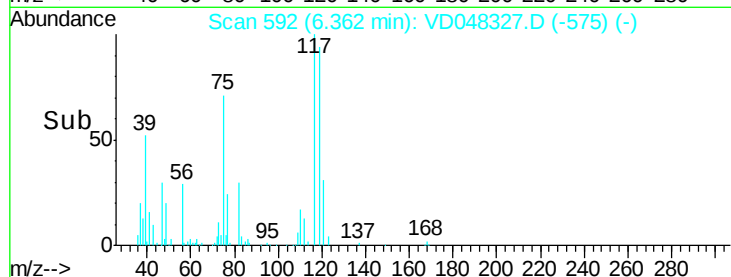
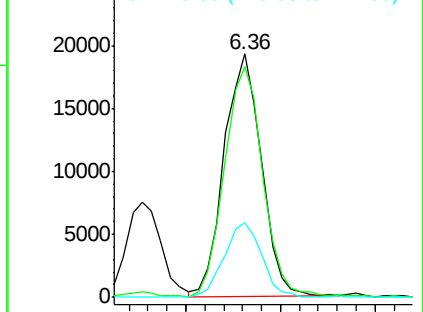
117 100

119 94.6 79.8 119.8

121 30.7 24.2 36.2



Abundance Ion 116.85 (116.55 to 117.55): V  
Ion 118.85 (118.55 to 119.55): V  
Ion 120.85 (120.55 to 121.55): V



#38

Methylcyclohexane

Concen: 18.17 ug/l

RT: 8.04 min Scan# 762

Delta R.T. -0.03 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

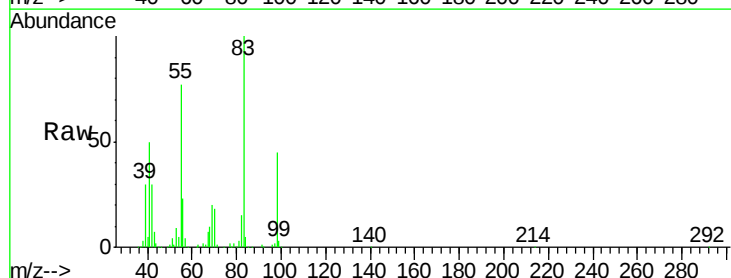
Tgt Ion: 83 Resp: 63954

Ion Ratio Lower Upper

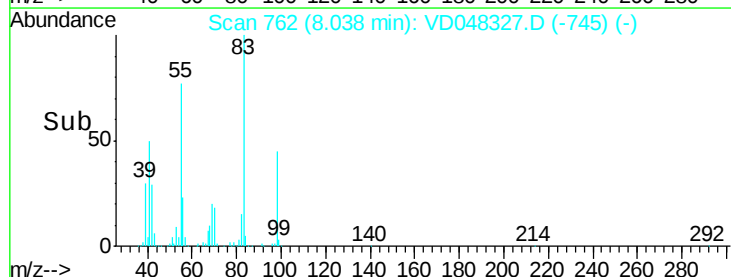
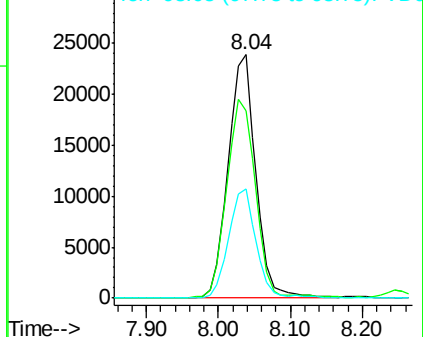
83 100

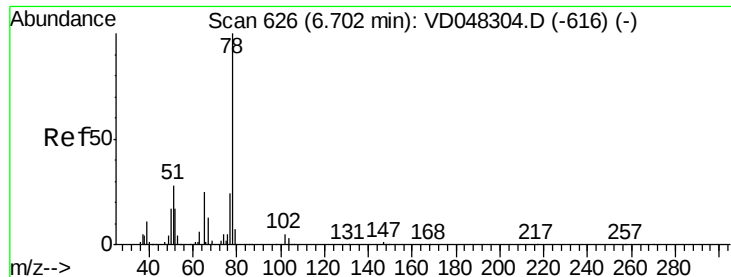
55 77.0 72.0 108.0

98 45.0 35.3 52.9



Abundance Ion 83.05 (82.75 to 83.75): VDC  
Ion 55.00 (54.70 to 55.70): VDC  
Ion 98.05 (97.75 to 98.75): VDC





#39

Benzene

Concen: 19.40 ug/l

RT: 6.67 min Scan# 623

Delta R.T. -0.03 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

Instrument :

BNA\_F

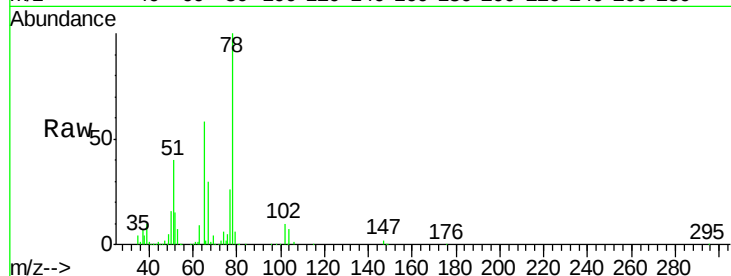
ClientSampleId :

Tot Ion: 78 Resp: 169156

Ion Ratio Lower Upper

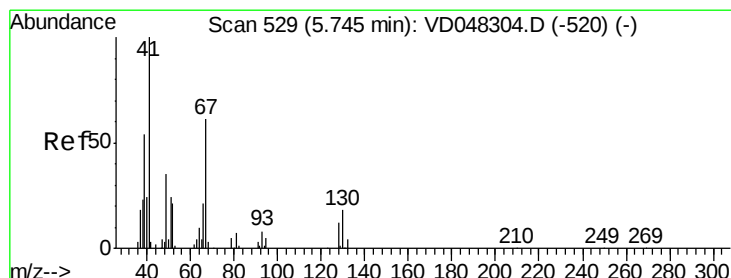
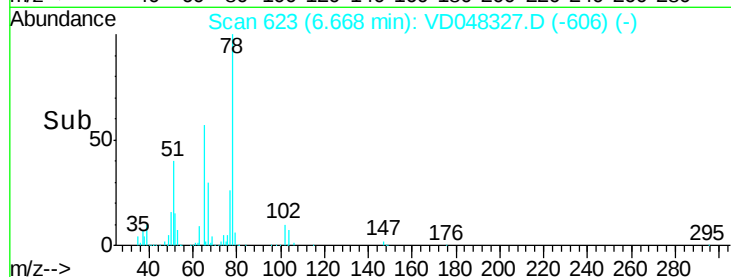
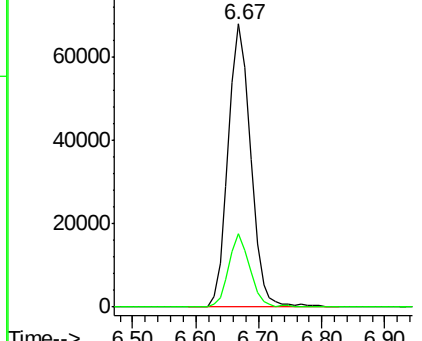
78 100

77 26.2 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



#40

Methacrylonitrile

Concen: 22.39 ug/l

RT: 5.71 min Scan# 526

Delta R.T. -0.03 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

Tgt Ion: 41 Resp: 18969

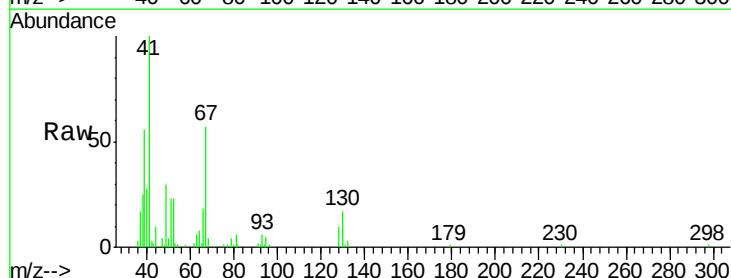
Ion Ratio Lower Upper

41 100

39 56.1 41.2 61.8

67 57.3 47.0 70.6

52 22.5 18.9 28.3

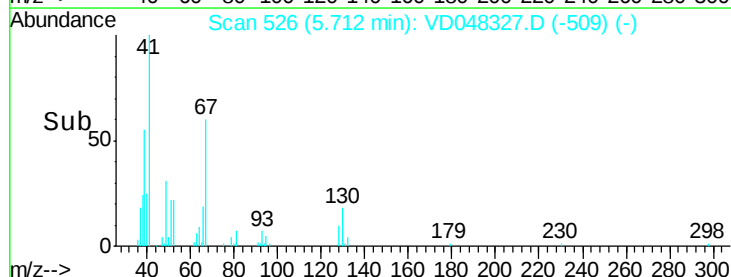
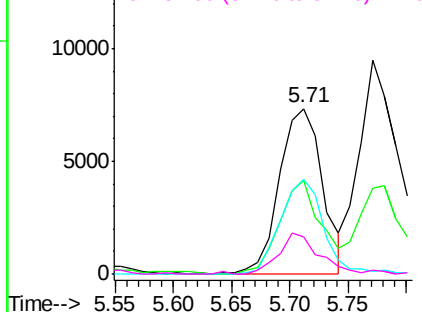


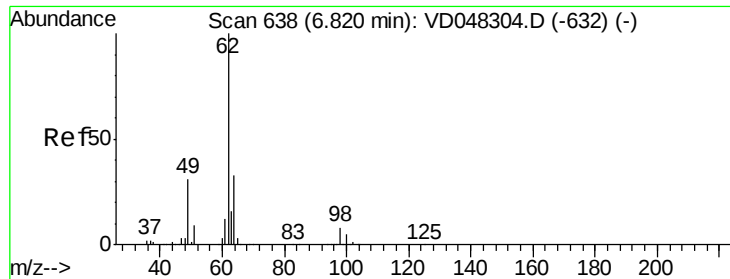
Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

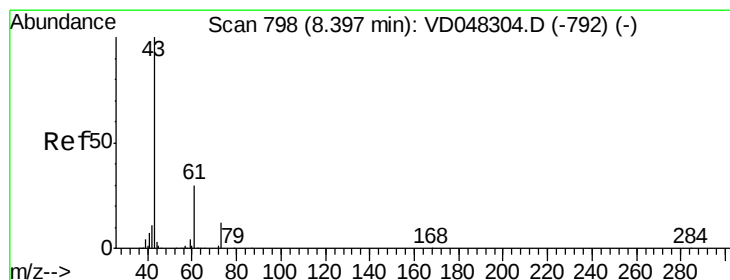
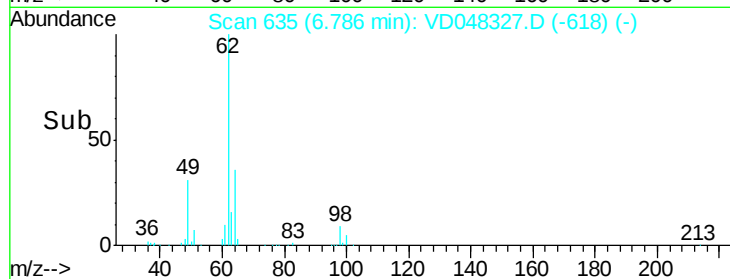
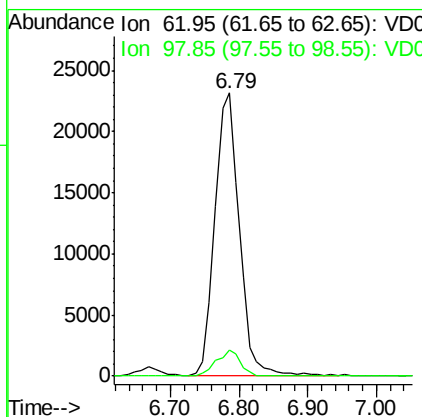
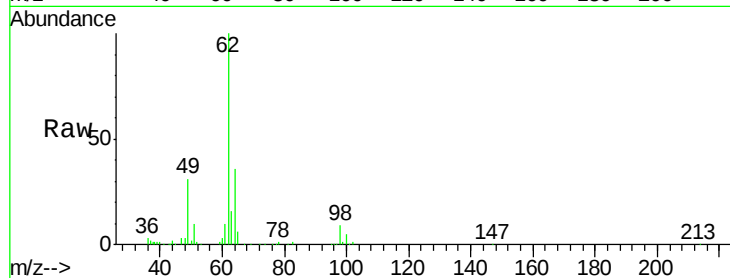




#41  
 1,2-Dichloroethane  
 Concen: 20.94 ug/l  
 RT: 6.79 min Scan# 635  
 Delta R.T. -0.03 min  
 Lab File: VD048327.D  
 Acq: 6 Jan 2016 17:31

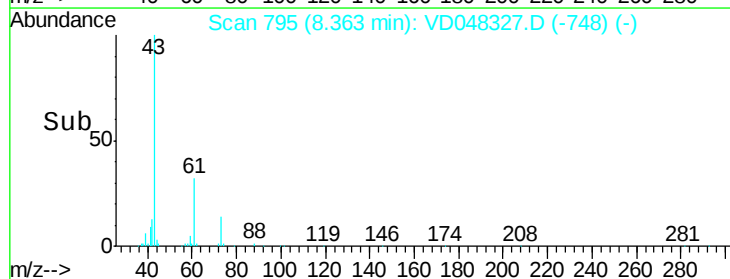
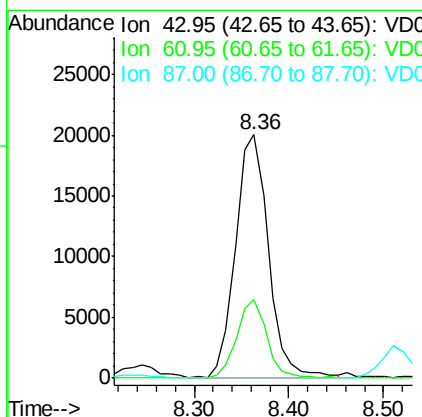
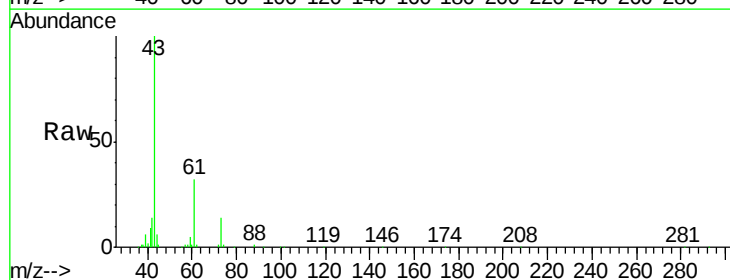
Instrument :  
 BNA\_F  
 ClientSampleId :

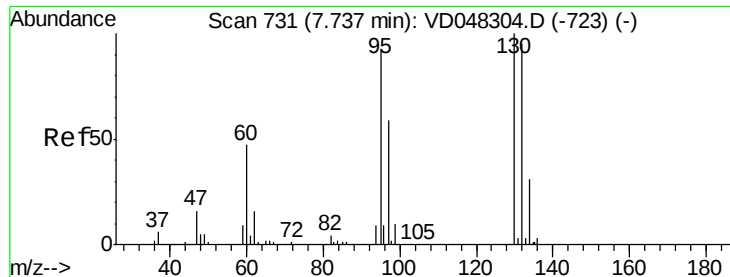
Tot Ion: 62 Resp: 57355  
 Ion Ratio Lower Upper  
 62 100  
 98 9.4 0.0 14.0



#42  
 Isopropyl Acetate  
 Concen: 23.20 ug/l  
 RT: 8.36 min Scan# 795  
 Delta R.T. -0.03 min  
 Lab File: VD048327.D  
 Acq: 6 Jan 2016 17:31

Tgt Ion: 43 Resp: 47633  
 Ion Ratio Lower Upper  
 43 100  
 61 32.2 23.8 35.8  
 87 0.0 0.3 0.5#

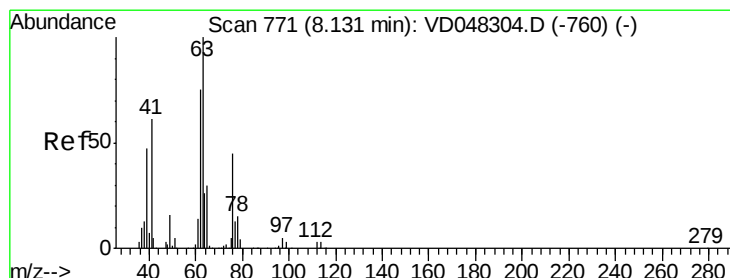
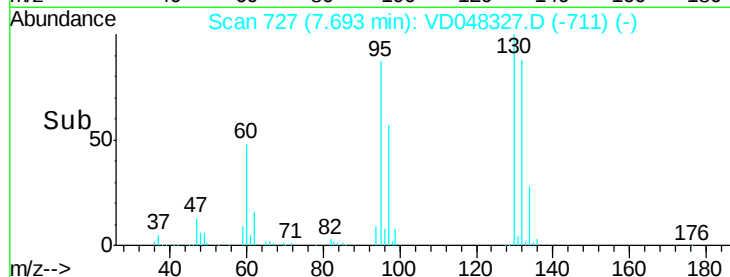
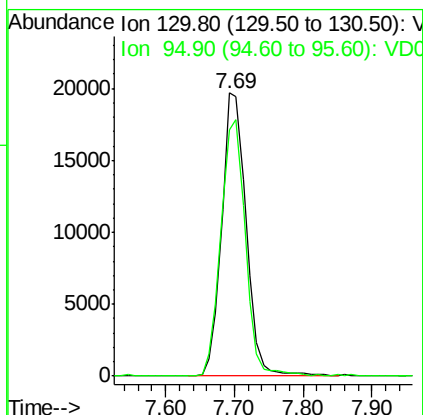
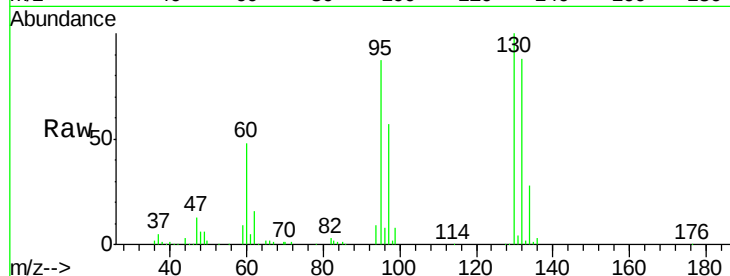




#43  
 Trichloroethene  
 Concen: 19.77 ug/l  
 RT: 7.69 min Scan# 727  
 Delta R.T. -0.04 min  
 Lab File: VD048327.D  
 Acq: 6 Jan 2016 17:31

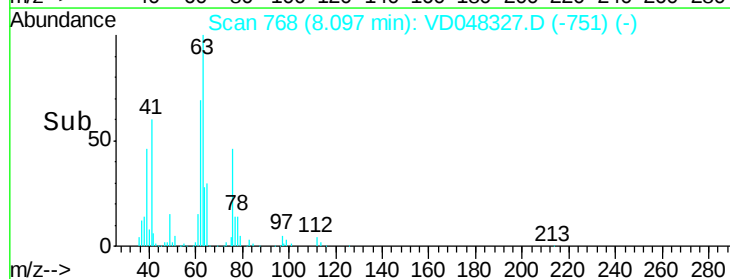
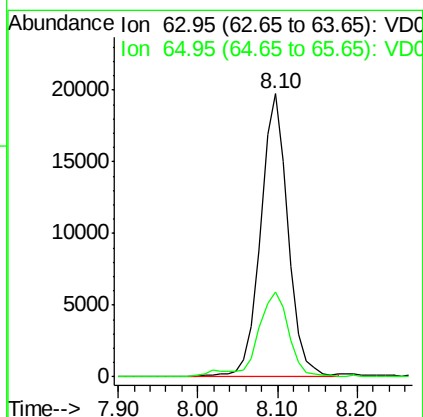
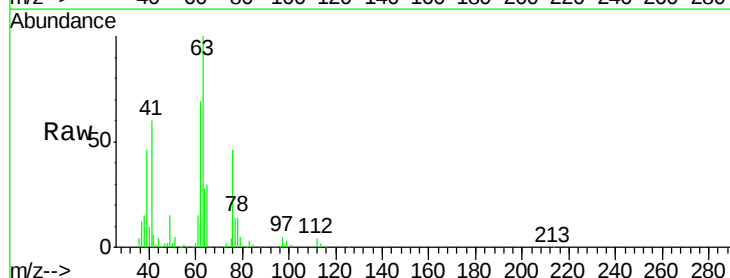
Instrument :  
 BNA\_F  
 ClientSampleId :

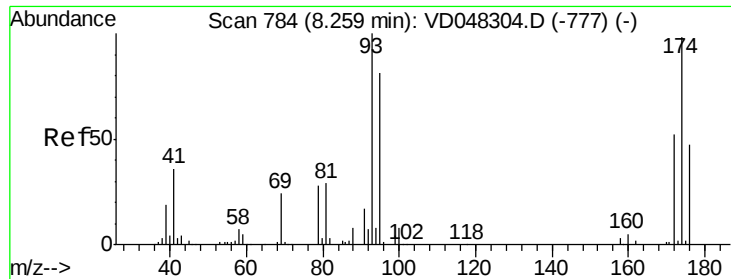
Tot Ion:130 Resp: 48593  
 Ion Ratio Lower Upper  
 130 100  
 95 86.9 0.0 190.2



#44  
 1,2-Dichloropropane  
 Concen: 19.37 ug/l  
 RT: 8.10 min Scan# 768  
 Delta R.T. -0.03 min  
 Lab File: VD048327.D  
 Acq: 6 Jan 2016 17:31

Tgt Ion: 63 Resp: 46862  
 Ion Ratio Lower Upper  
 63 100  
 65 29.9 23.7 35.5

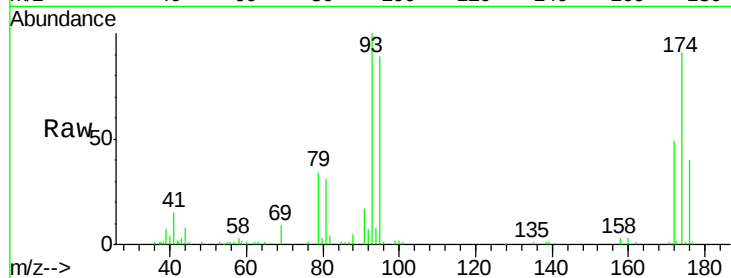




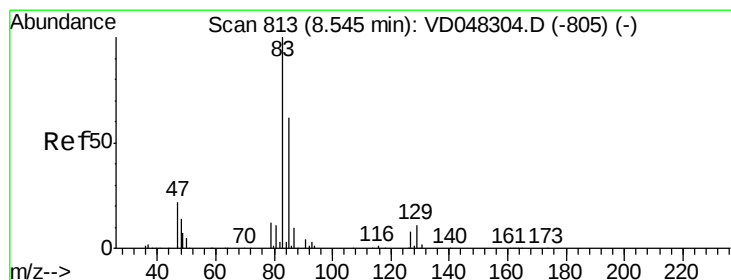
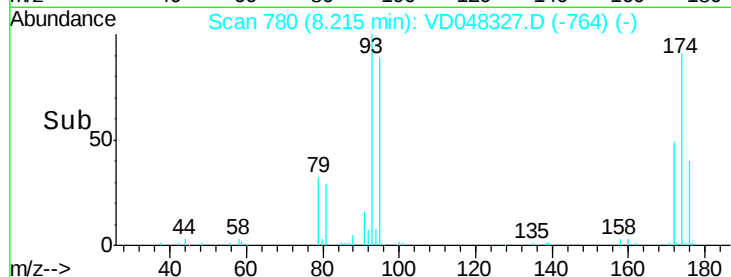
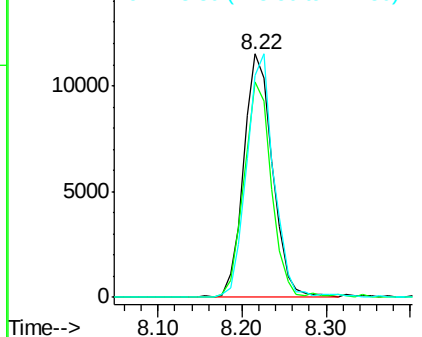
#45  
Dibromomethane  
Concen: 21.00 ug/l  
RT: 8.22 min Scan# 780  
Delta R.T. -0.04 min  
Lab File: VD048327.D  
Acq: 6 Jan 2016 17:31

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 93 Resp: 27678  
Ion Ratio Lower Upper  
93 100  
95 88.7 64.4 96.6  
174 91.5 74.6 112.0

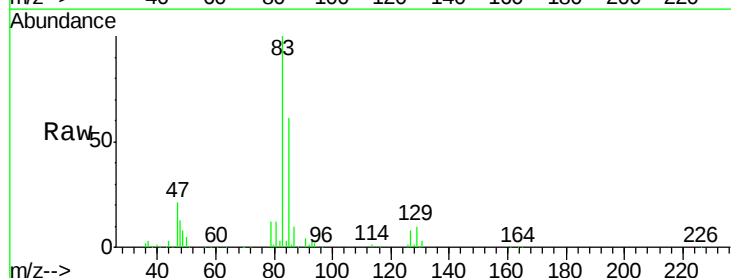


Abundance Ion 92.90 (92.60 to 93.60): VDC  
Ion 94.90 (94.60 to 95.60): VDC  
Ion 173.80 (173.50 to 174.50): V

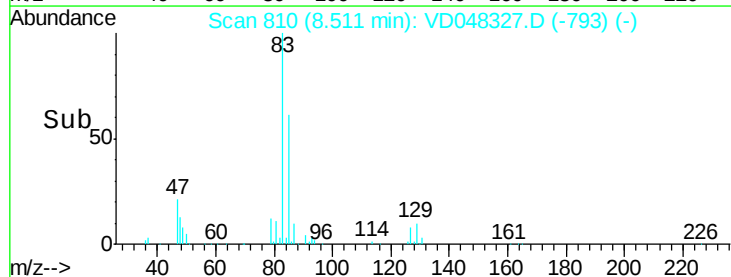
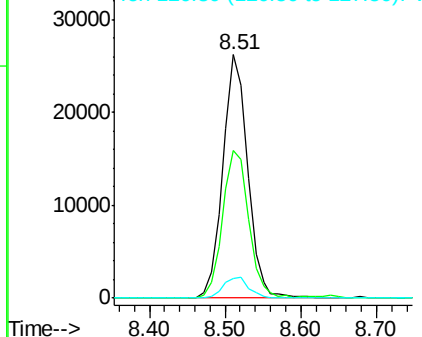


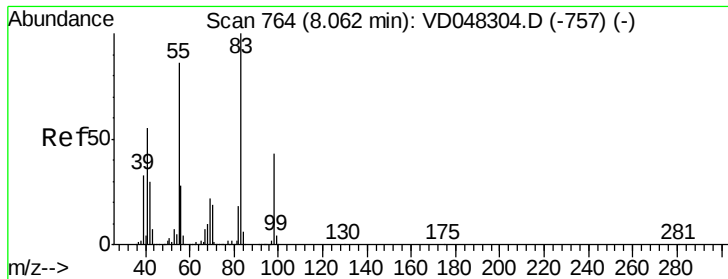
#46  
Bromodichloromethane  
Concen: 19.07 ug/l  
RT: 8.51 min Scan# 810  
Delta R.T. -0.03 min  
Lab File: VD048327.D  
Acq: 6 Jan 2016 17:31

Tgt Ion: 83 Resp: 60019  
Ion Ratio Lower Upper  
83 100  
85 60.5 48.7 73.1  
127 8.0 6.8 10.2



Abundance Ion 82.85 (82.55 to 83.55): VDC  
Ion 84.95 (84.65 to 85.65): VDC  
Ion 126.80 (126.50 to 127.50): V

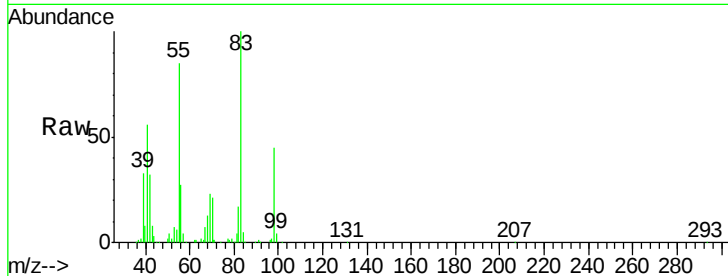




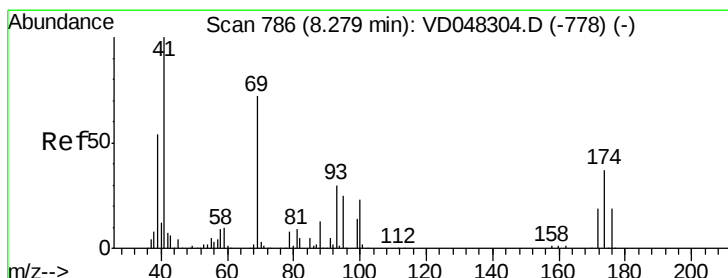
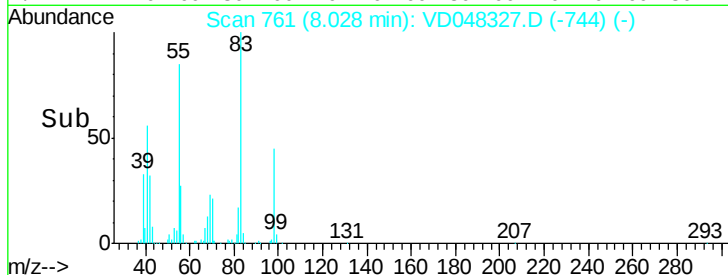
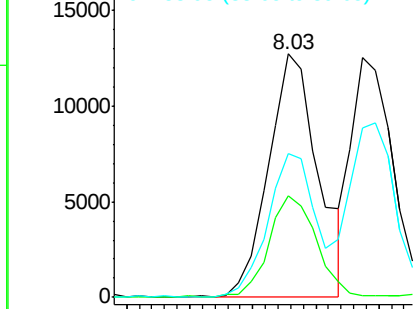
#47  
Methvl methacrvlate  
Concen: 17.97 ug/l  
RT: 8.03 min Scan# 761  
Delta R.T. -0.03 min  
Lab File: VD048327.D  
Acq: 6 Jan 2016 17:31

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 41 Resp: 35141  
Ion Ratio Lower Upper  
41 100  
69 41.9 34.6 52.0  
39 59.1 45.6 68.4

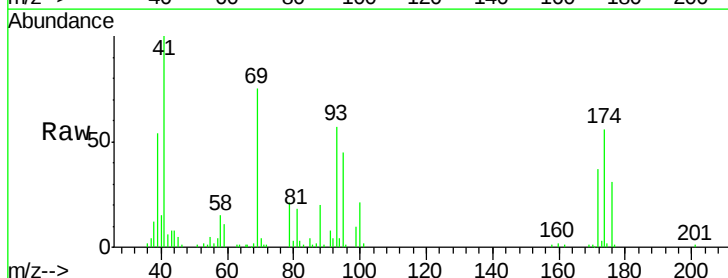


Abundance Ion 40.95 (40.65 to 41.65): VDC  
Ion 69.00 (68.70 to 69.70): VDC  
Ion 38.95 (38.65 to 39.65): VDC

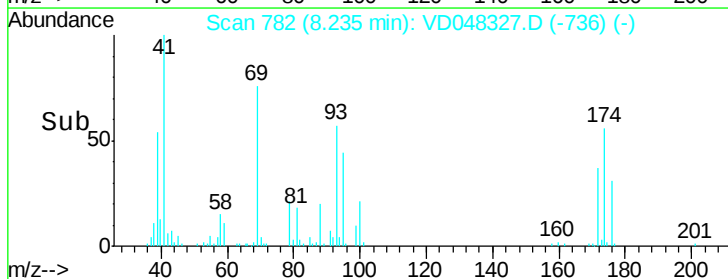
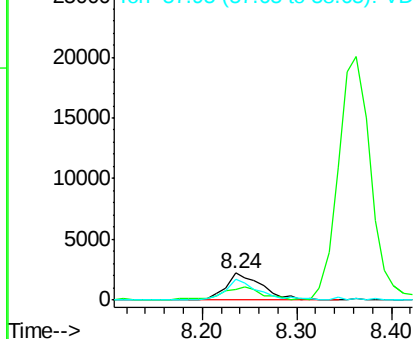


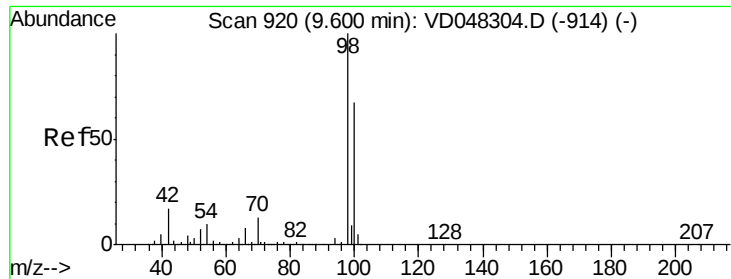
#48  
1,4-Dioxane  
Concen: 504.72 ug/l  
RT: 8.24 min Scan# 782  
Delta R.T. -0.04 min  
Lab File: VD048327.D  
Acq: 6 Jan 2016 17:31

Tgt Ion: 88 Resp: 5986  
Ion Ratio Lower Upper  
88 100  
43 39.2 42.7 64.1#  
58 75.6 63.9 95.9



Abundance Ion 88.00 (87.70 to 88.70): VDC  
Ion 43.05 (42.75 to 43.75): VDC  
Ion 57.95 (57.65 to 58.65): VDC





#49

Toluene-d8

Concen: 504.72 ug/l

RT: 9.57 min Scan# 917

Delta R.T. -0.03 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

Instrument :

BNA\_F

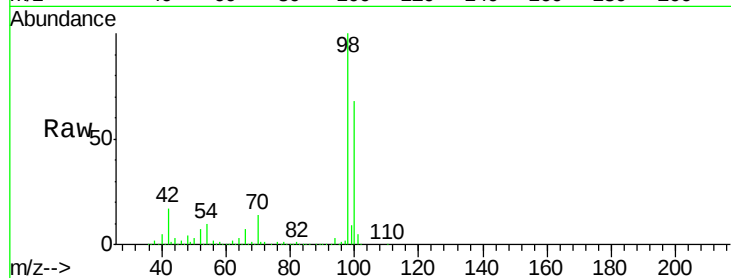
ClientSampleId :

Tot Ion: 98 Resp: 287470

Ion Ratio Lower Upper

98 100

100 68.3 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): VD048304.D (-914) (-)

Ion 100.05 (99.75 to 100.75): VD048327.D (-900) (-)

9.57

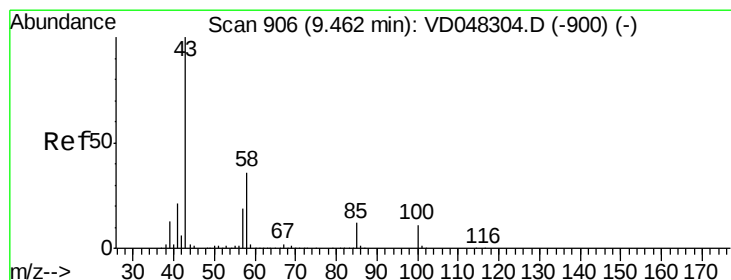
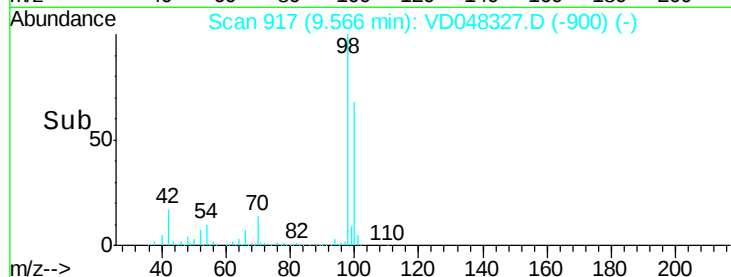
100000

50000

0

9.40 9.50 9.60 9.70

Time-->



#50

4-Methyl-2-Pentanone

Concen: 125.19 ug/l

RT: 9.43 min Scan# 903

Delta R.T. -0.03 min

Lab File: VD048327.D

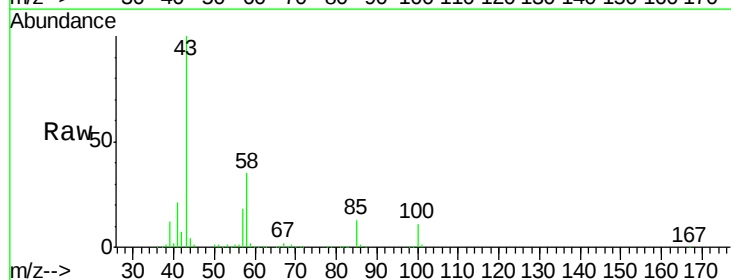
Acq: 6 Jan 2016 17:31

Tgt Ion: 43 Resp: 170895

Ion Ratio Lower Upper

43 100

58 35.3 28.5 42.7



Abundance Ion 42.95 (42.65 to 43.65): VD048304.D (-900) (-)

Ion 57.95 (57.65 to 58.65): VD048327.D (-886) (-)

9.43

80000

60000

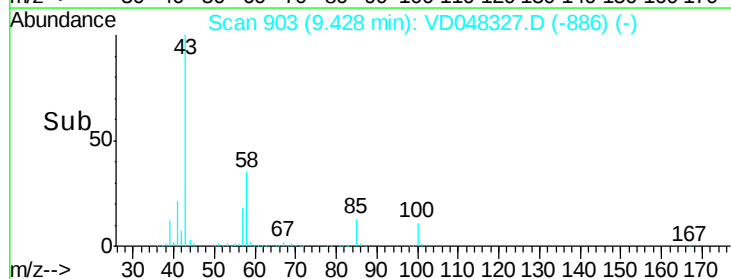
40000

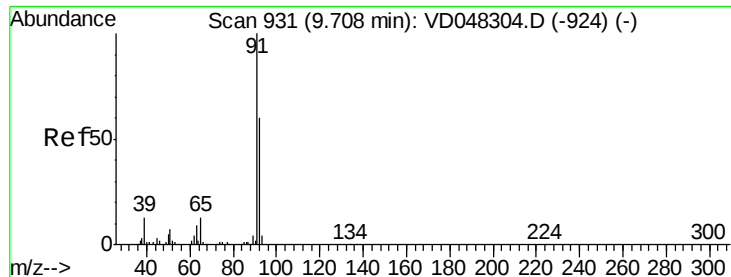
20000

0

9.30 9.40 9.50

Time-->





#51

Toluene

Concen: 19.60 ug/l

RT: 9.67 min Scan# 928

Delta R.T. -0.03 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

Instrument :

BNA\_F

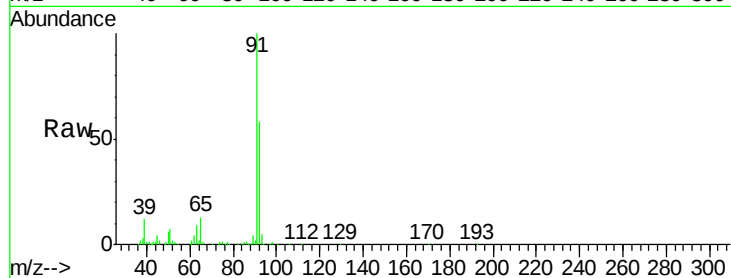
ClientSampleId :

Tot Ion: 92 Resp: 104205

Ion Ratio Lower Upper

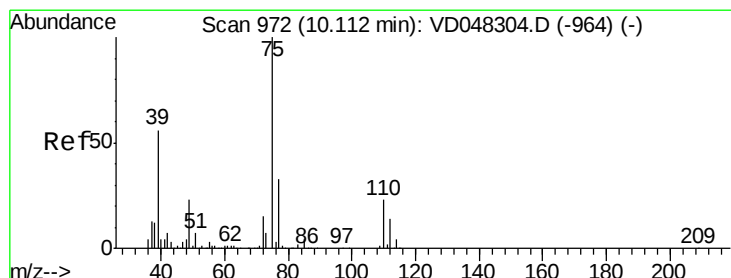
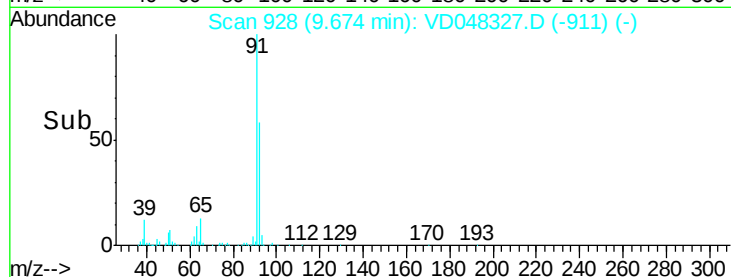
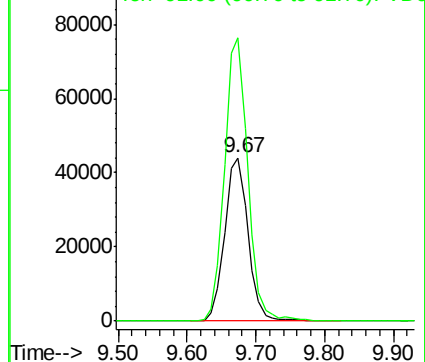
92 100

91 173.0 133.4 200.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#52

t-1,3-Dichloropropene

Concen: 20.25 ug/l

RT: 10.08 min Scan# 969

Delta R.T. -0.03 min

Lab File: VD048327.D

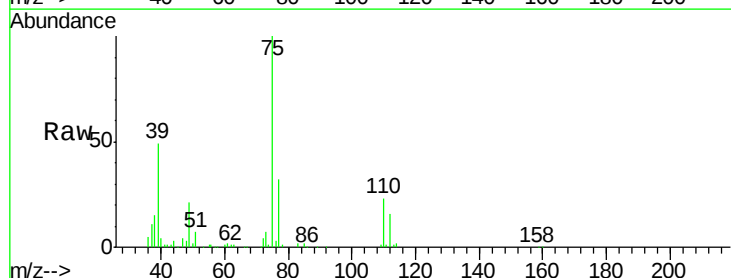
Acq: 6 Jan 2016 17:31

Tgt Ion: 75 Resp: 60367

Ion Ratio Lower Upper

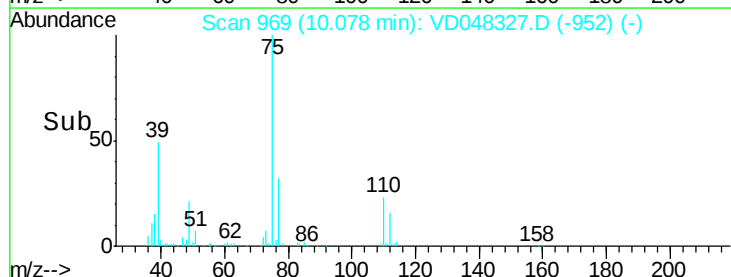
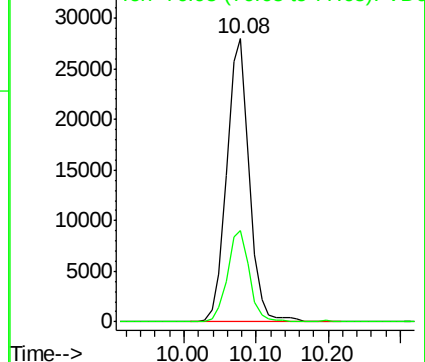
75 100

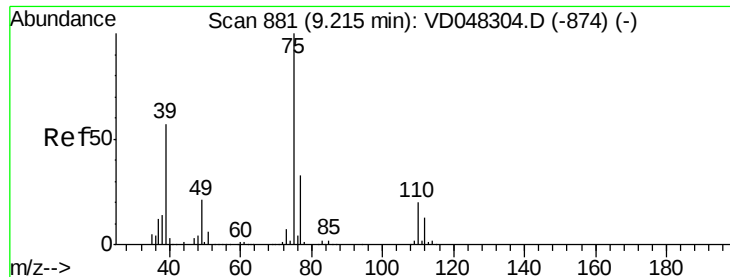
77 32.1 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#53

cis-1,3-Dichloropropene

Concen: 19.79 ug/l

RT: 9.18 min Scan# 878

Delta R.T. -0.03 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

Instrument :

BNA\_F

ClientSampleId :

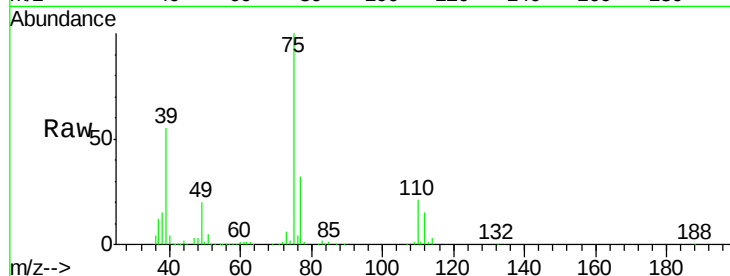
Tot Ion: 75 Resp: 74008

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.6

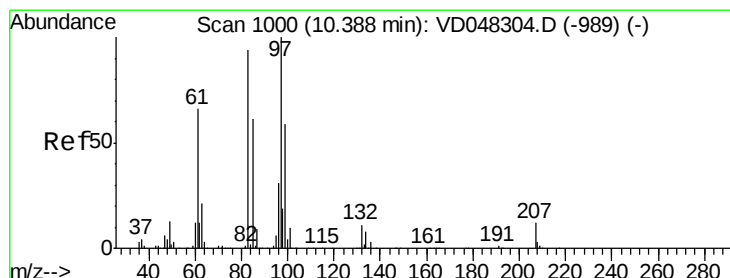
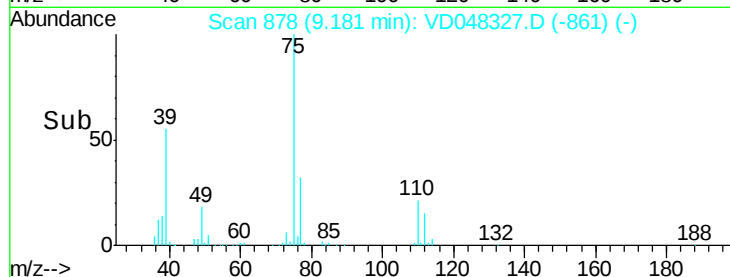
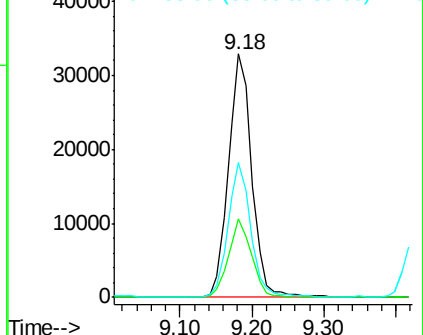
39 55.2 41.5 62.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC



#54

1,1,2-Trichloroethane

Concen: 21.61 ug/l

RT: 10.35 min Scan# 997

Delta R.T. -0.03 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

Tgt Ion: 97 Resp: 35923

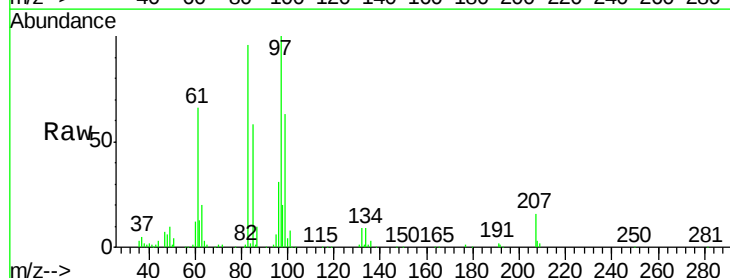
Ion Ratio Lower Upper

97 100

83 96.0 78.2 117.2

85 58.4 48.1 72.1

99 63.2 50.0 75.0

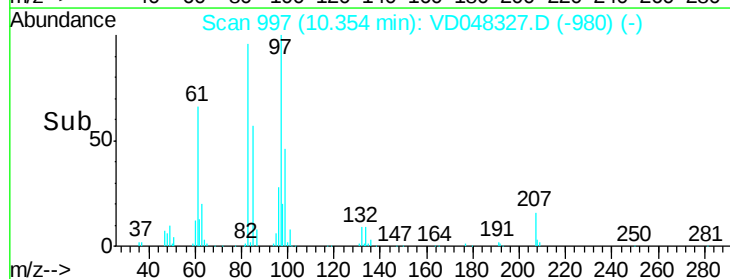
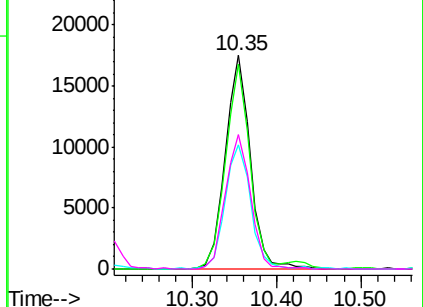


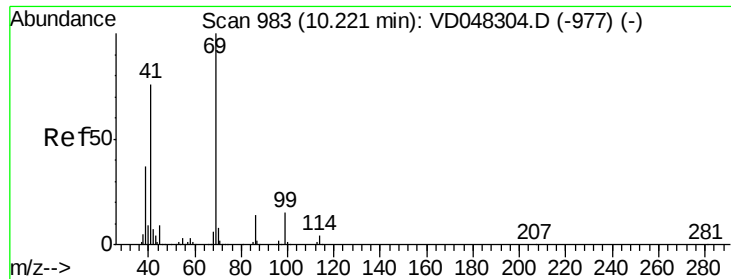
Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC





#55

Ethyl methacrylate

Concen: 23.16 ug/l

RT: 10.20 min Scan# 981

Delta R.T. -0.02 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

Instrument :

BNA\_F

ClientSampleId :

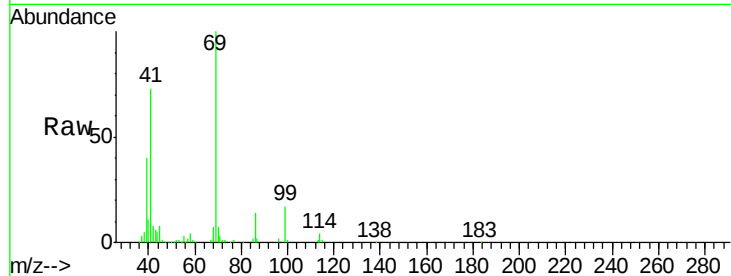
Tot Ion: 69 Resp: 46478

Ion Ratio Lower Upper

69 100

41 72.5 55.3 82.9

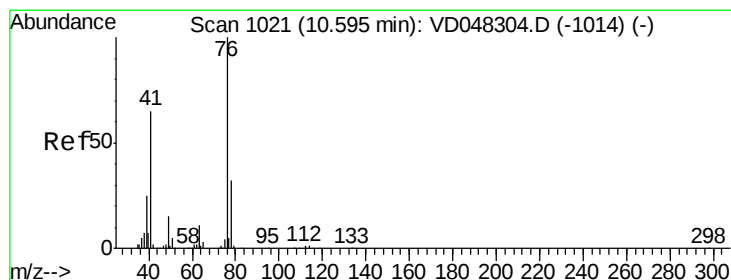
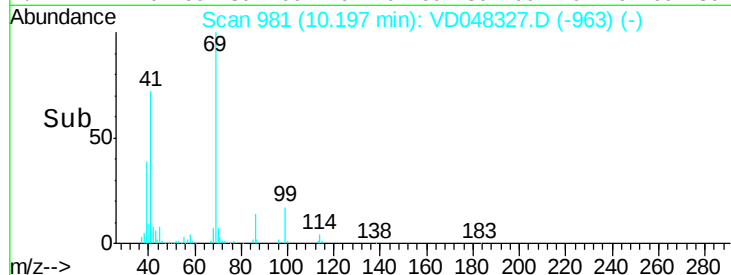
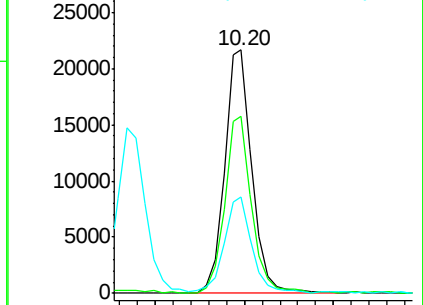
39 39.6 29.4 44.2



Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC



#56

1,3-Dichloropropane

Concen: 22.20 ug/l

RT: 10.56 min Scan# 1018

Delta R.T. -0.03 min

Lab File: VD048327.D

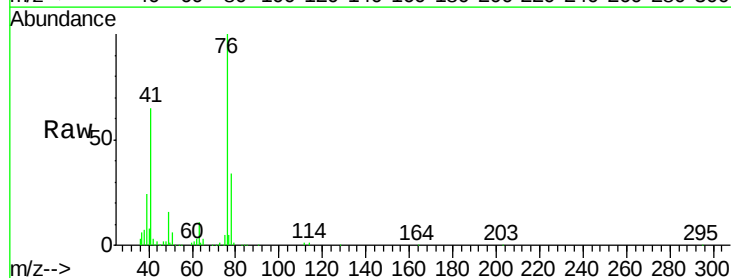
Acq: 6 Jan 2016 17:31

Tgt Ion: 76 Resp: 73547

Ion Ratio Lower Upper

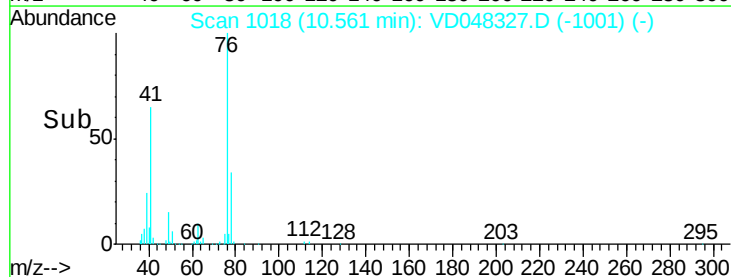
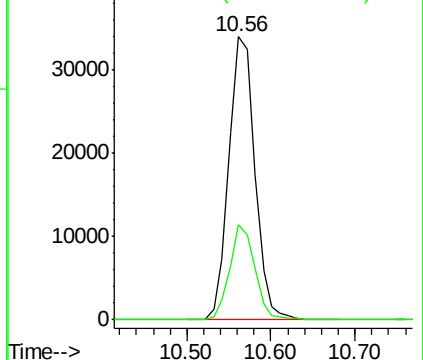
76 100

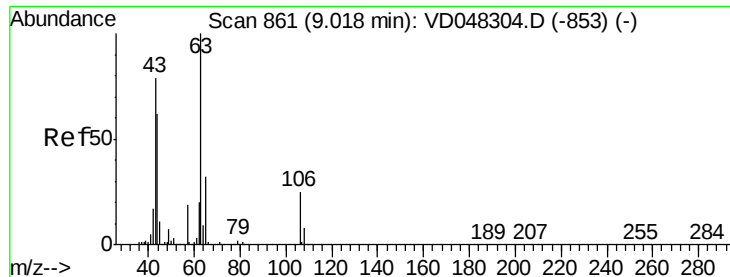
78 33.7 25.8 38.8



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC





#57

2-Chloroethyl Vinyl ether

Concen: 98.97 ug/l

RT: 8.98 min Scan# 858

Delta R.T. -0.03 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

Instrument :

BNA\_F

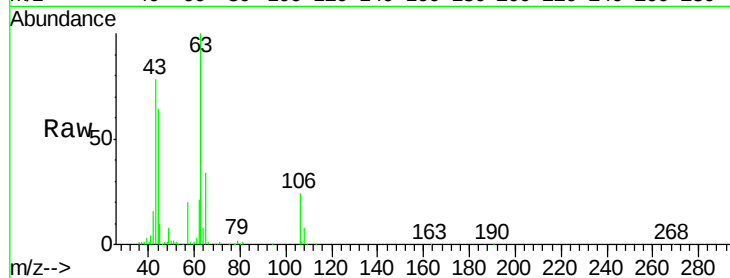
ClientSampleId :

Tot Ion: 63 Resp: 117335

Ion Ratio Lower Upper

63 100

106 24.2 18.7 28.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

8.98

60000

50000

40000

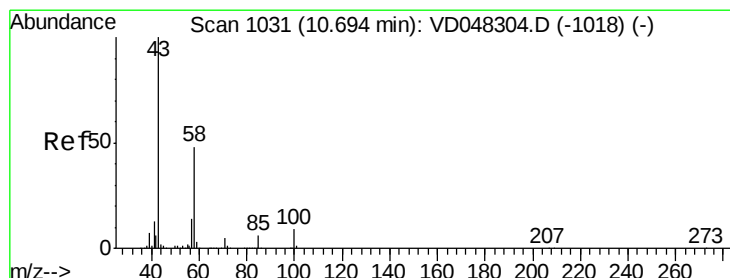
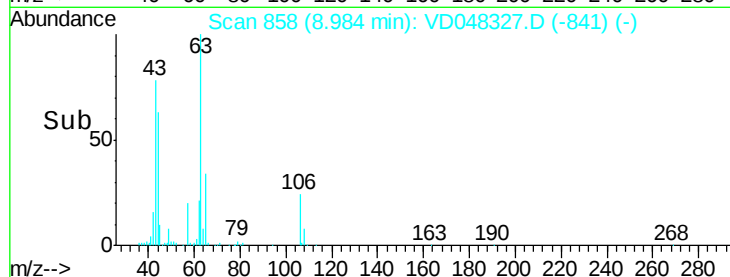
30000

20000

10000

0

Time-->



#58

2-Hexanone

Concen: 131.65 ug/l

RT: 10.66 min Scan# 1028

Delta R.T. -0.03 min

Lab File: VD048327.D

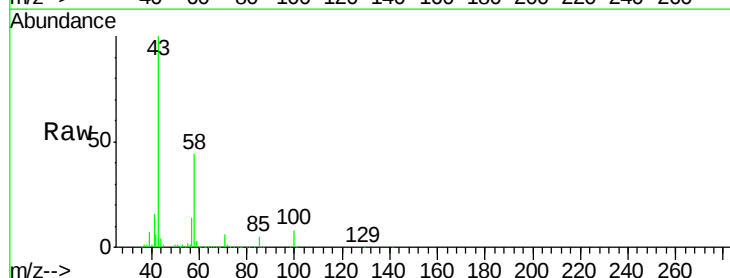
Acq: 6 Jan 2016 17:31

Tgt Ion: 43 Resp: 125584

Ion Ratio Lower Upper

43 100

58 44.4 24.4 73.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.66

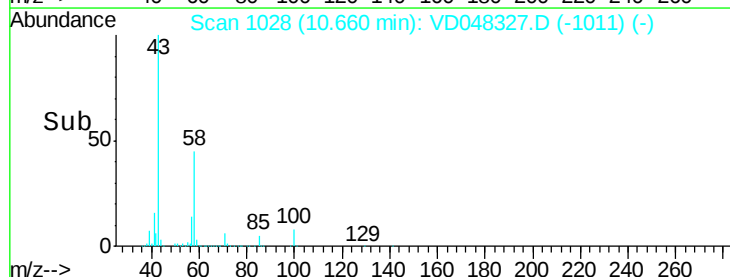
60000

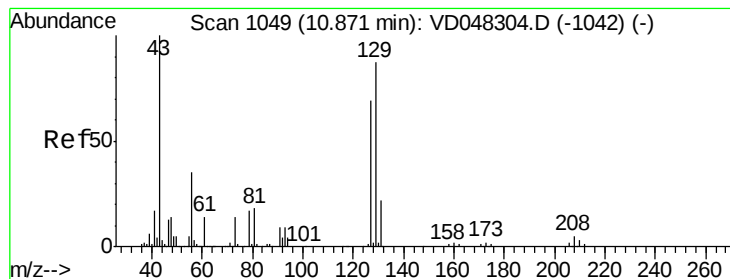
40000

20000

0

Time-->





#59

Dibromochloromethane

Concen: 20.23 ug/l

RT: 10.85 min Scan# 1047

Delta R.T. -0.02 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

Instrument :

BNA\_F

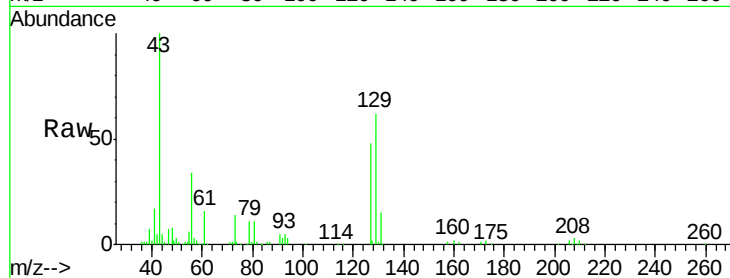
ClientSampleId :

Tot Ion:129 Resp: 44563

Ion Ratio Lower Upper

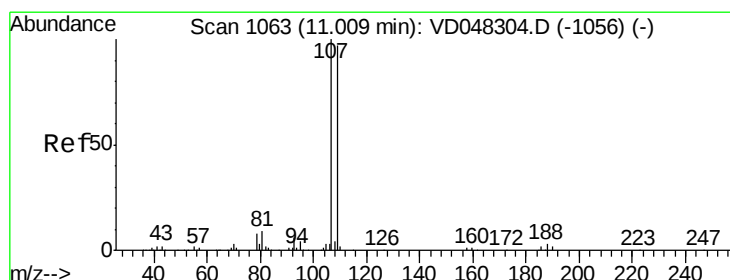
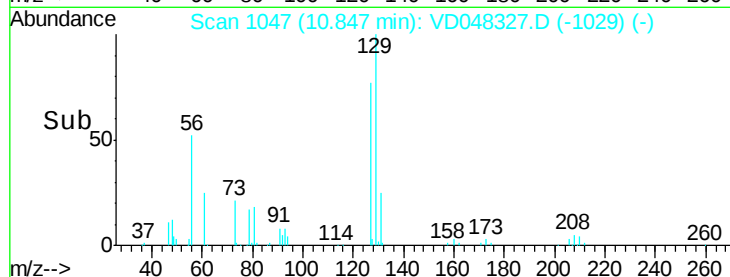
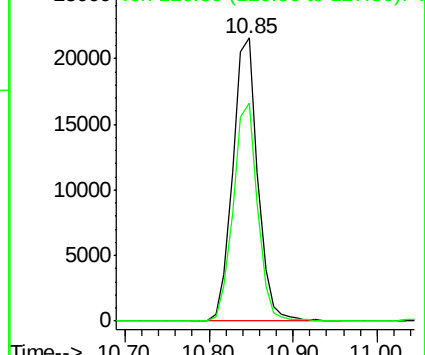
129 100

127 77.1 37.5 112.7



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#60

1,2-Dibromoethane

Concen: 21.65 ug/l

RT: 10.98 min Scan# 1060

Delta R.T. -0.03 min

Lab File: VD048327.D

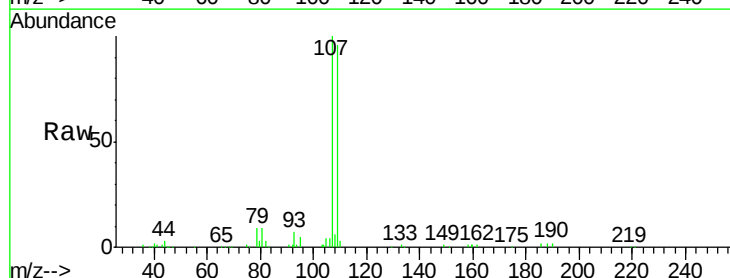
Acq: 6 Jan 2016 17:31

Tgt Ion:107 Resp: 38574

Ion Ratio Lower Upper

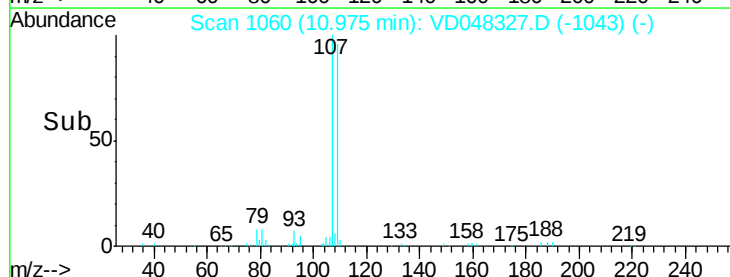
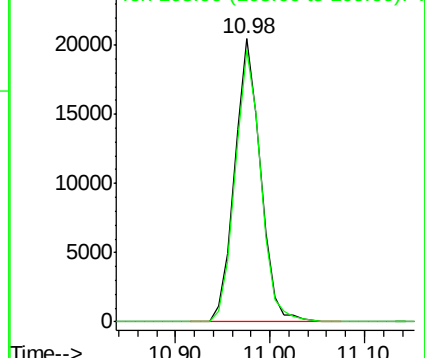
107 100

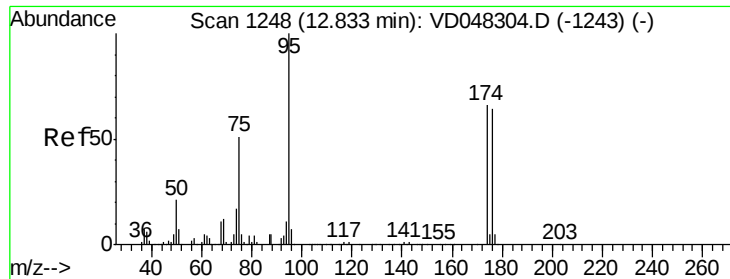
109 96.1 77.3 115.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

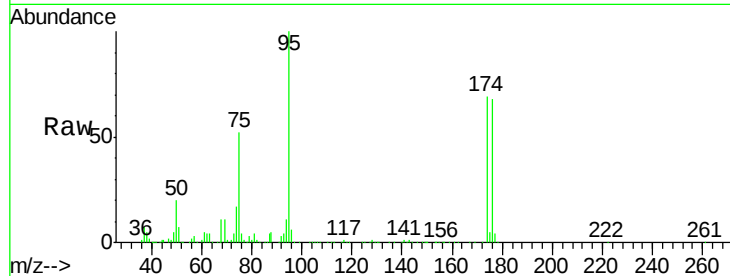




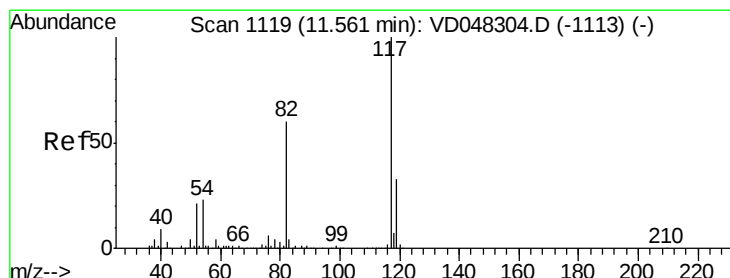
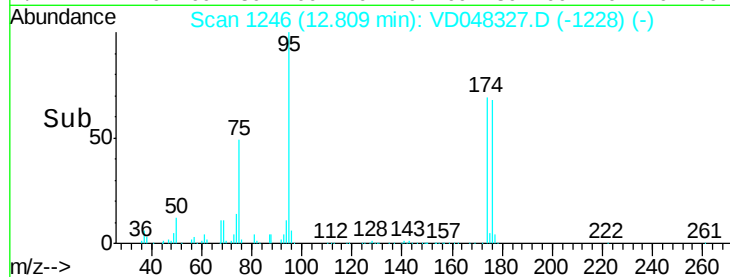
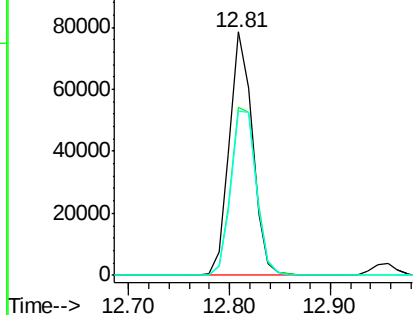
#61  
4-Bromofluorobenzene  
Concen: 21.65 ug/l  
RT: 12.81 min Scan# 1246  
Delta R.T. -0.02 min  
Lab File: VD048327.D  
Acq: 6 Jan 2016 17:31

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 95 Resp: 125249  
Ion Ratio Lower Upper  
95 100  
174 68.9 0.0 156.2  
176 67.6 0.0 147.4

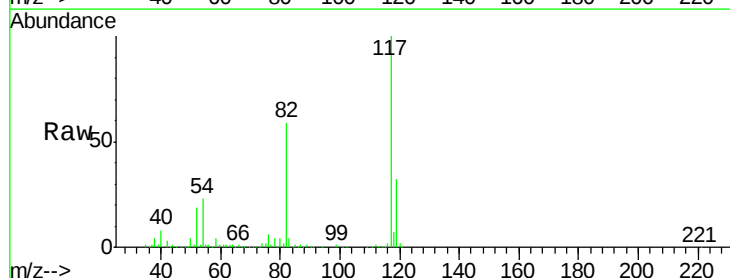


Abundance Ion 95.00 (94.70 to 95.70): V  
Ion 173.90 (173.60 to 174.60): V  
Ion 175.90 (175.60 to 176.60): V

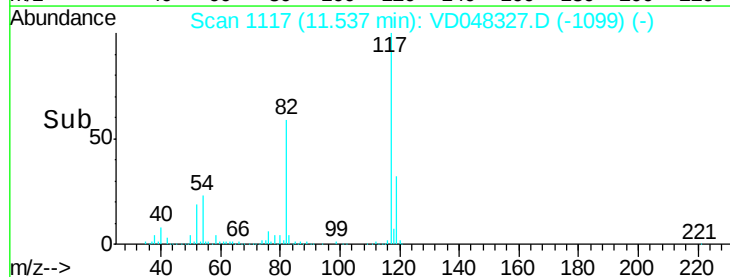
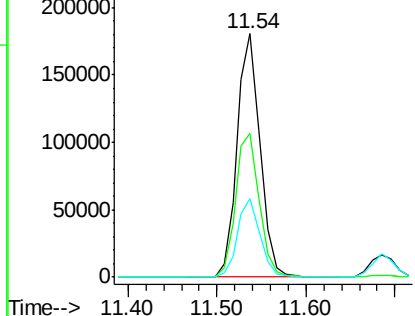


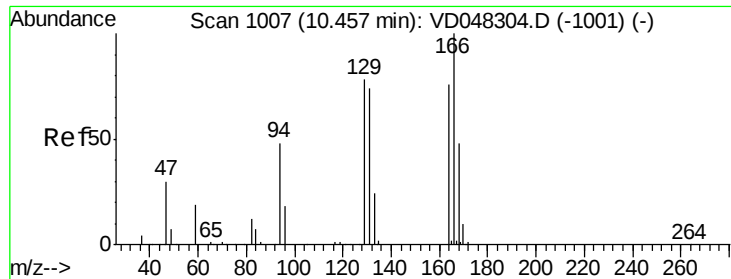
#62  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.54 min Scan# 1117  
Delta R.T. -0.02 min  
Lab File: VD048327.D  
Acq: 6 Jan 2016 17:31

Tgt Ion: 117 Resp: 324907  
Ion Ratio Lower Upper  
117 100  
82 59.0 46.8 70.2  
119 32.4 26.1 39.1



Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V

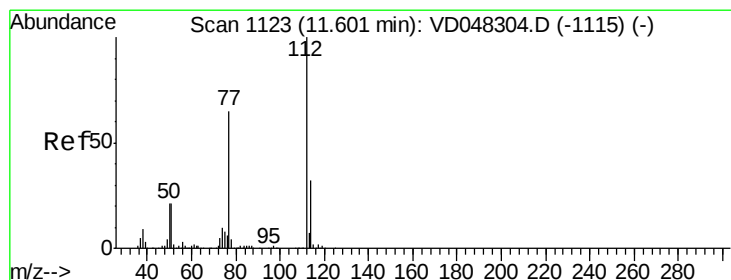
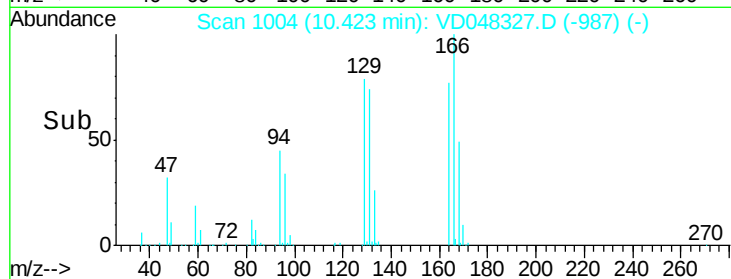
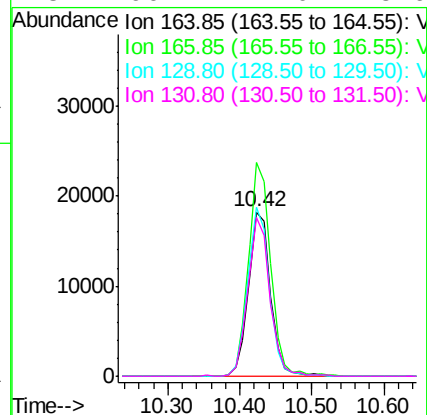
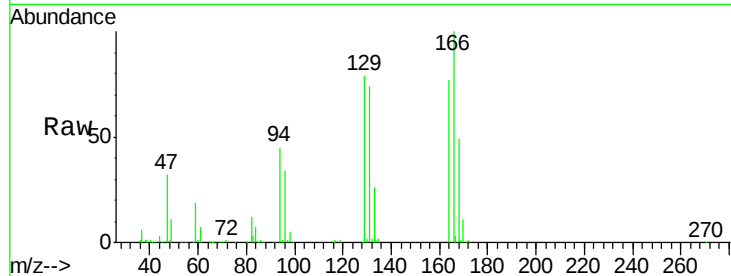




#63  
Tetrachloroethene  
Concen: 19.44 ug/l  
RT: 10.42 min Scan# 1004  
Delta R.T. -0.03 min  
Lab File: VD048327.D  
Acq: 6 Jan 2016 17:31

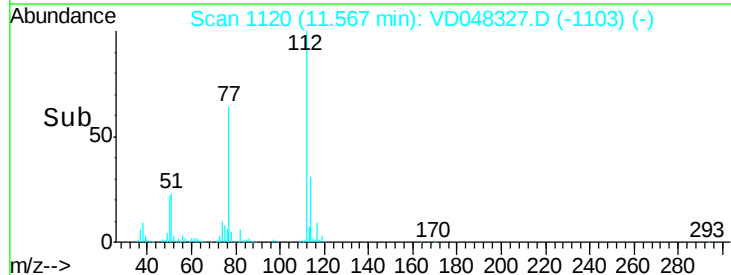
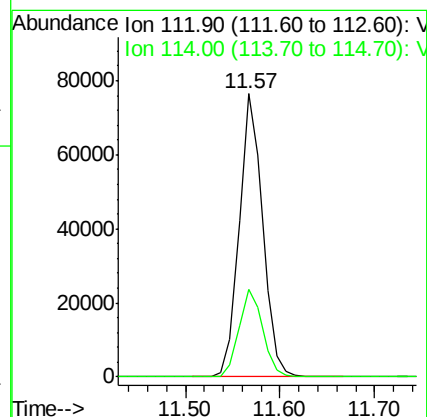
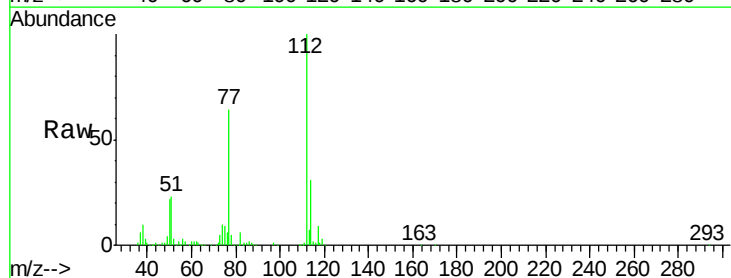
Instrument :  
BNA\_F  
ClientSampleId :

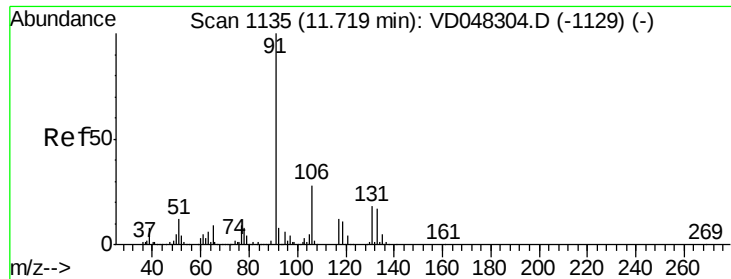
Tot Ion:164 Resp: 39140  
Ion Ratio Lower Upper  
164 100  
166 130.1 103.9 155.9  
129 103.3 78.9 118.3  
131 96.4 77.0 115.6



#64  
Chlorobenzene  
Concen: 20.27 ug/l  
RT: 11.57 min Scan# 1120  
Delta R.T. -0.03 min  
Lab File: VD048327.D  
Acq: 6 Jan 2016 17:31

Tgt Ion:112 Resp: 131295  
Ion Ratio Lower Upper  
112 100  
114 31.1 26.1 39.1





#65

1,1,1,2-Tetrachloroethane

Concen: 19.88 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. -0.03 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

Instrument :

BNA\_F

ClientSampleId :

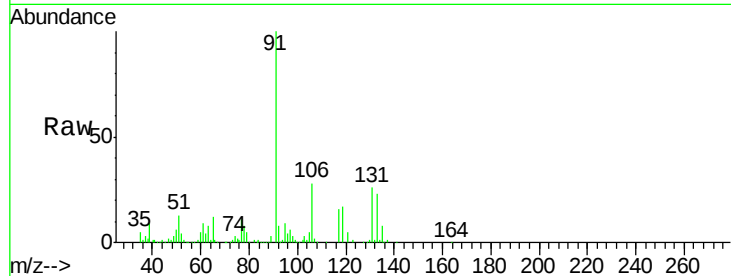
Tot Ion:131 Resp: 45918

Ion Ratio Lower Upper

131 100

133 88.0 47.5 142.6

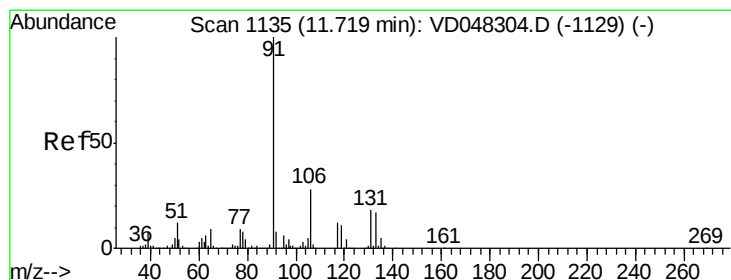
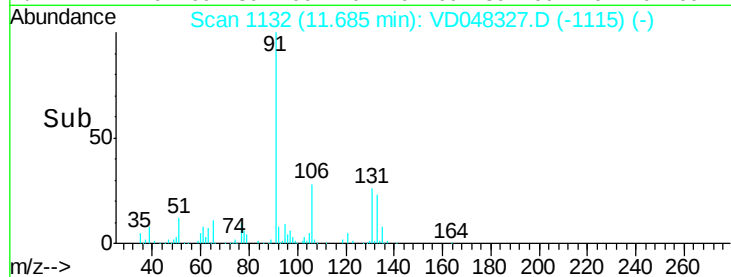
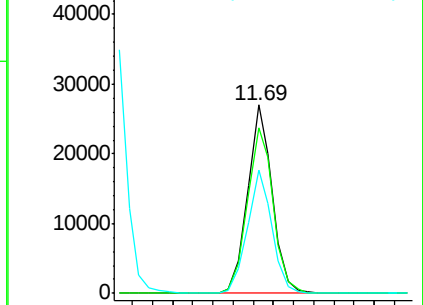
119 65.2 32.9 98.7



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V



#66

Ethyl Benzene

Concen: 19.63 ug/l

RT: 11.69 min Scan# 1133

Delta R.T. -0.02 min

Lab File: VD048327.D

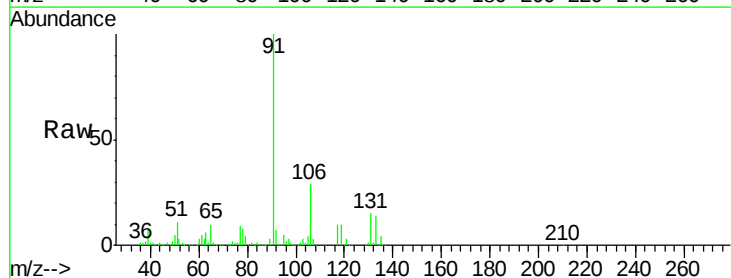
Acq: 6 Jan 2016 17:31

Tgt Ion: 91 Resp: 224913

Ion Ratio Lower Upper

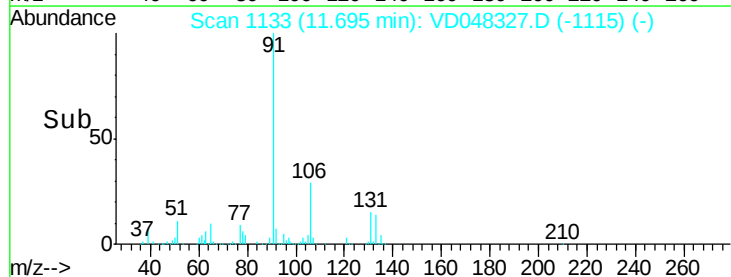
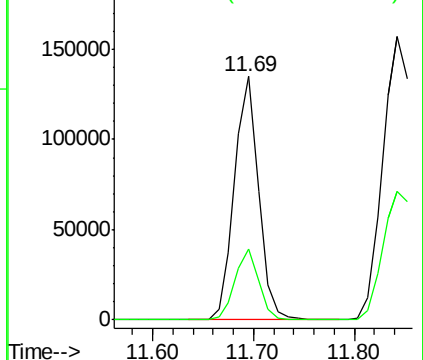
91 100

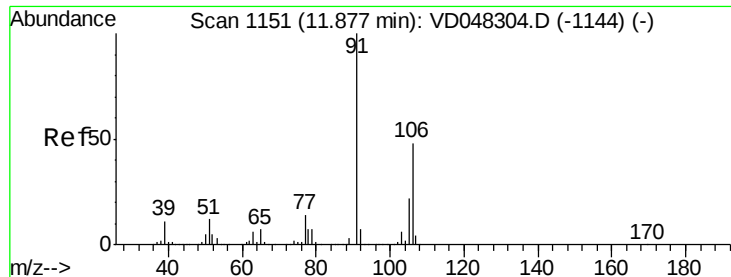
106 29.0 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V

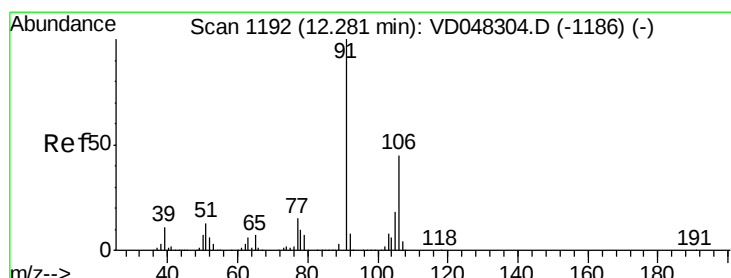
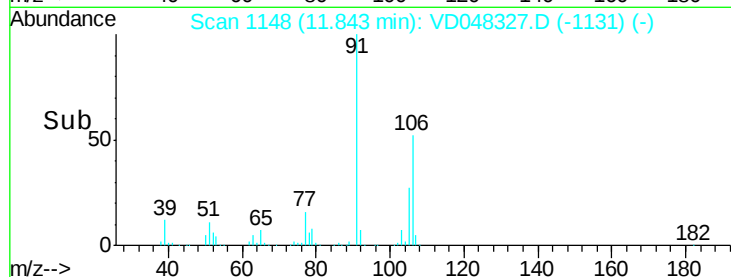
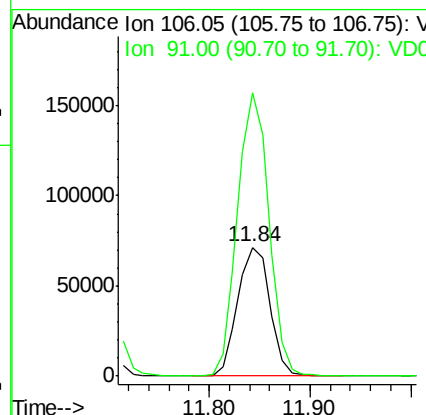
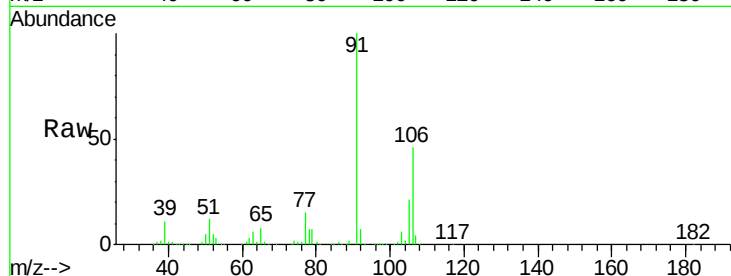




#67  
m/p-Xvlenes  
Concen: 39.21 ug/l  
RT: 11.84 min Scan# 1148  
Delta R.T. -0.03 min  
Lab File: VD048327.D  
Acq: 6 Jan 2016 17:31

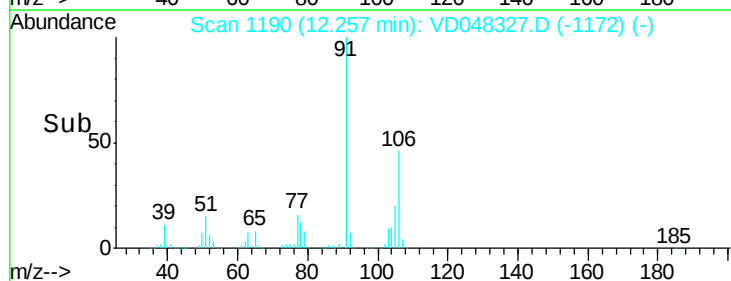
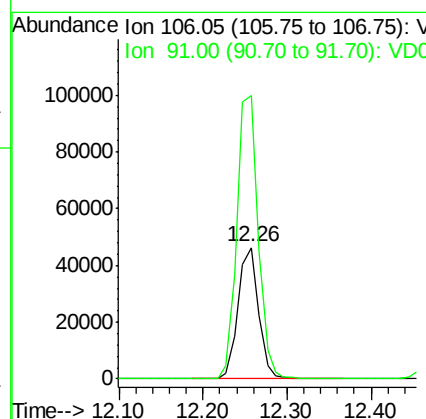
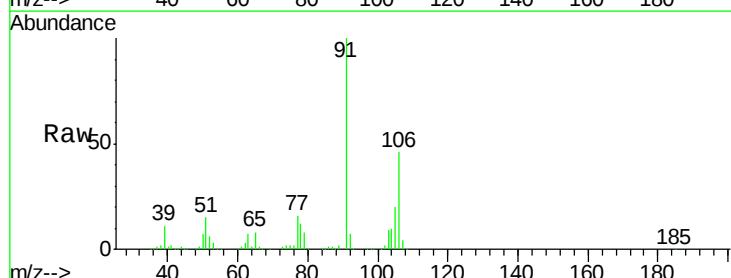
Instrument :  
BNA\_F  
ClientSampleId :

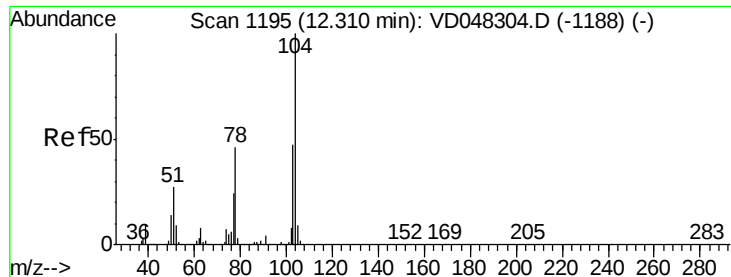
Tot Ion:106 Resp: 159147  
Ion Ratio Lower Upper  
106 100  
91 219.7 162.0 243.0



#68  
o-Xylene  
Concen: 20.18 ug/l  
RT: 12.26 min Scan# 1190  
Delta R.T. -0.02 min  
Lab File: VD048327.D  
Acq: 6 Jan 2016 17:31

Tgt Ion:106 Resp: 78786  
Ion Ratio Lower Upper  
106 100  
91 215.8 111.8 335.3

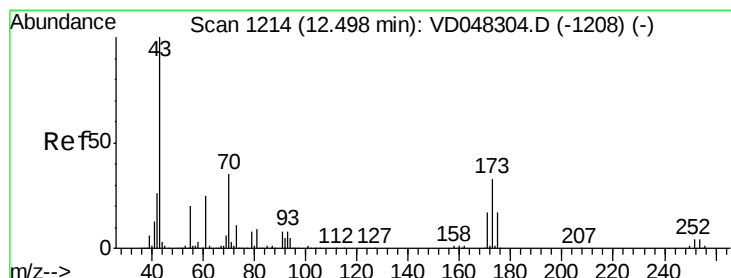
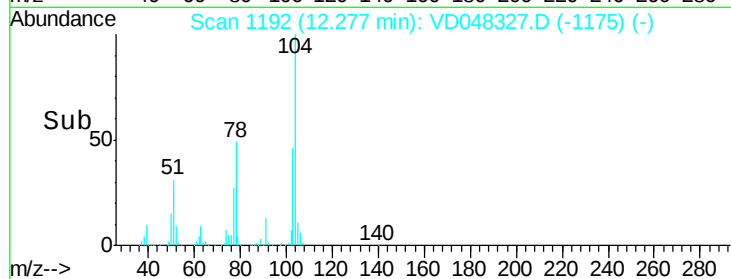
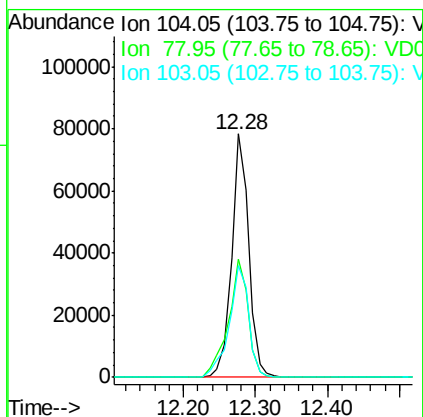
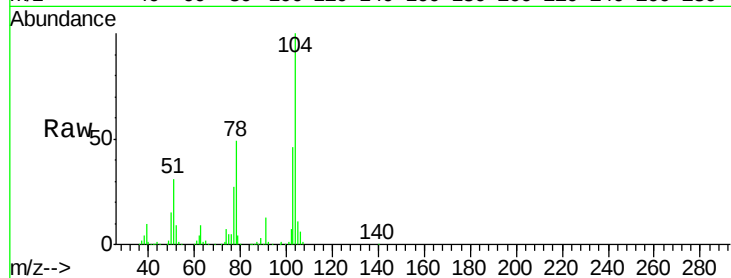




#69  
Stvrene  
Concen: 20.81 ug/l  
RT: 12.28 min Scan# 1192  
Delta R.T. -0.03 min  
Lab File: VD048327.D  
Acq: 6 Jan 2016 17:31

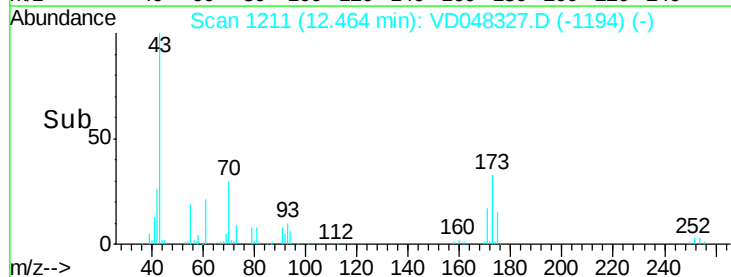
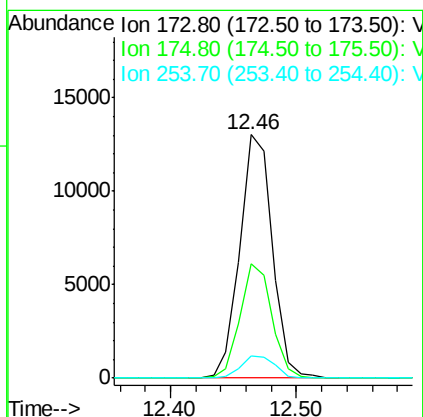
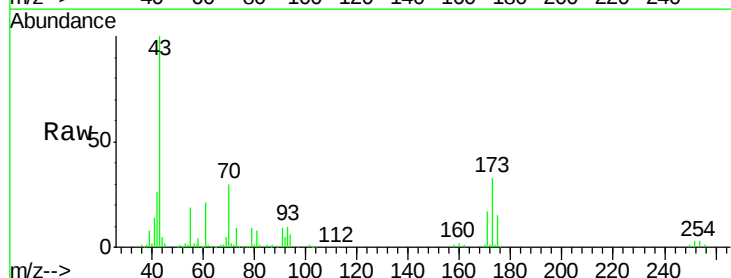
Instrument :  
BNA\_F  
ClientSampleId :

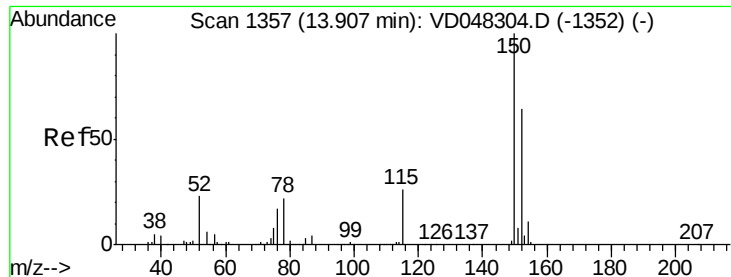
Tot Ion:104 Resp: 129943  
Ion Ratio Lower Upper  
104 100  
78 48.6 37.5 56.3  
103 45.9 37.3 55.9



#70  
Bromoform  
Concen: 20.60 ug/l  
RT: 12.46 min Scan# 1211  
Delta R.T. -0.03 min  
Lab File: VD048327.D  
Acq: 6 Jan 2016 17:31

Tgt Ion:173 Resp: 23323  
Ion Ratio Lower Upper  
173 100  
175 47.2 26.0 78.0  
254 9.3 7.7 11.5



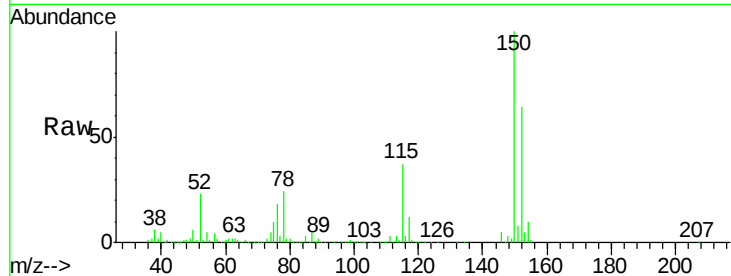


#71

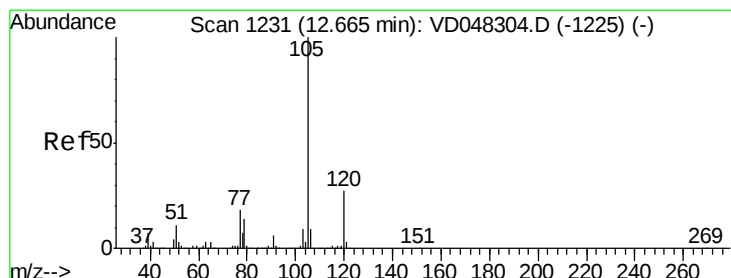
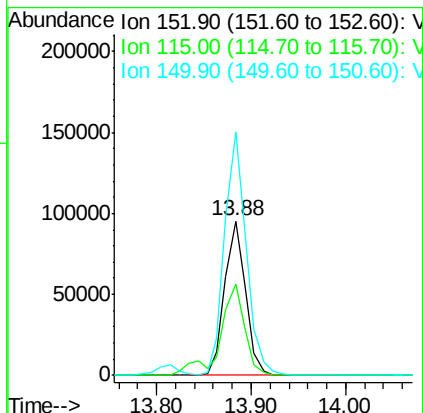
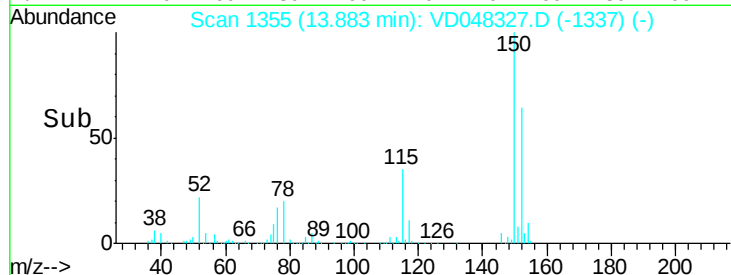
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.88 min Scan# 1355  
Delta R.T. -0.02 min  
Lab File: VD048327.D  
Acq: 6 Jan 2016 17:31

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 58.6  | 32.4  | 97.2  |
| 150     | 157.4 | 0.0   | 314.6 |



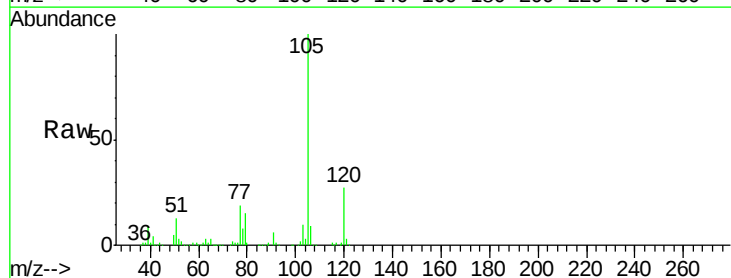
Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 115.00 (114.70 to 115.70): V  
Ion 149.90 (149.60 to 150.60): V



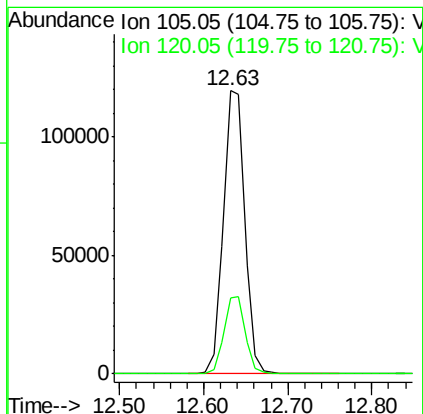
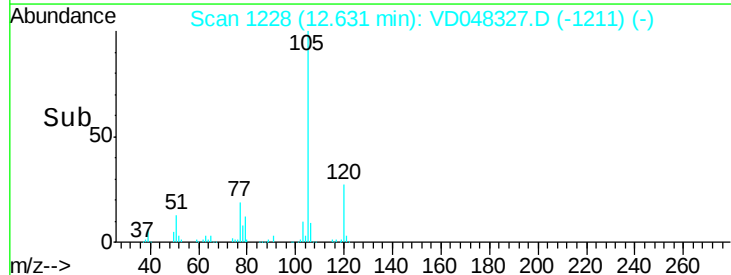
#72

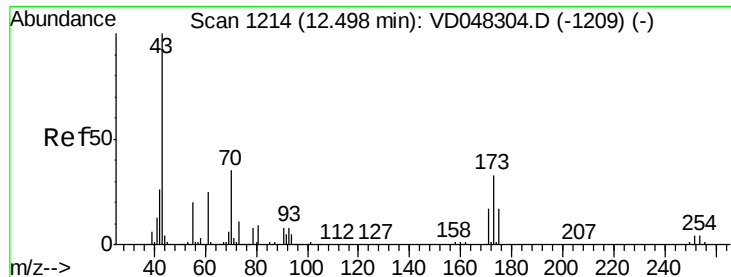
Isopropylbenzene  
Concen: 18.94 ug/l  
RT: 12.63 min Scan# 1228  
Delta R.T. -0.03 min  
Lab File: VD048327.D  
Acq: 6 Jan 2016 17:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 26.9  | 13.1  | 39.3  |



Abundance Ion 105.05 (104.75 to 105.75): V  
Ion 120.05 (119.75 to 120.75): V





#73

N-amvl acetate

Concen: 23.37 ug/l

RT: 12.47 min Scan# 1212

Delta R.T. -0.02 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 43 Resp: 73354

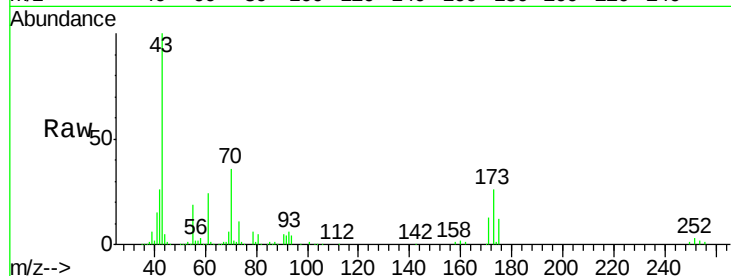
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 70  | 36.3  | 27.2  | 40.8  |
| 55  | 19.0  | 15.4  | 23.0  |
| 61  | 24.1  | 19.9  | 29.9  |

43 100

70 36.3 27.2 40.8

55 19.0 15.4 23.0

61 24.1 19.9 29.9

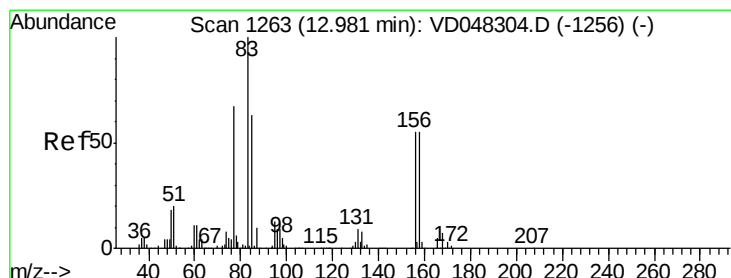
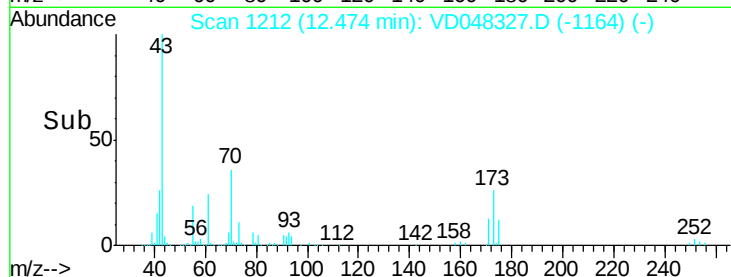
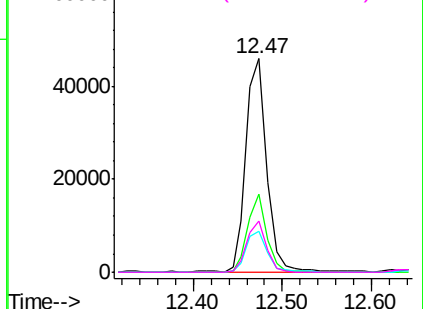


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



#74

1,1,2,2-Tetrachloroethane

Concen: 22.72 ug/l

RT: 12.96 min Scan# 1261

Delta R.T. -0.02 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

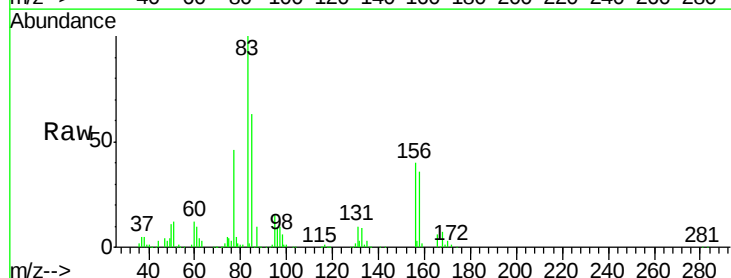
Tgt Ion: 83 Resp: 46940

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 131 | 9.8   | 4.3   | 13.1  |
| 85  | 63.1  | 31.1  | 93.2  |

83 100

131 9.8 4.3 13.1

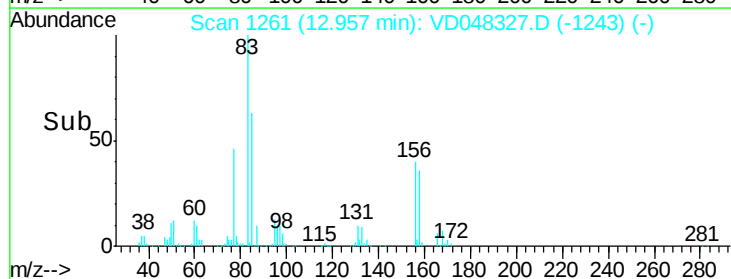
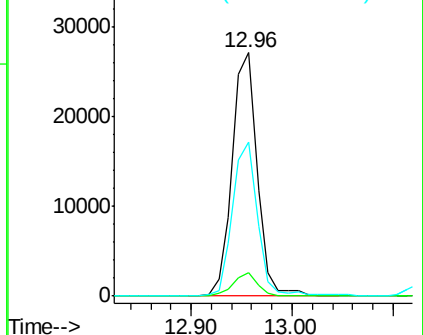
85 63.1 31.1 93.2

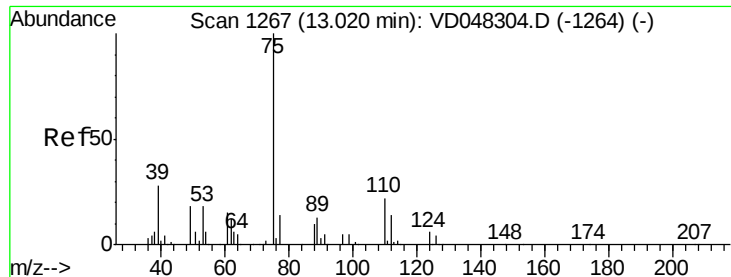


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): VDC





#75

1,2,3-Trichloropropane

Concen: 22.51 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. -0.02 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

Instrument :

BNA\_F

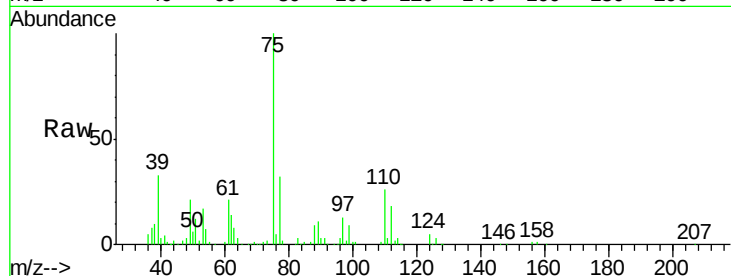
ClientSampleId :

Tot Ion: 75 Resp: 52047

Ion Ratio Lower Upper

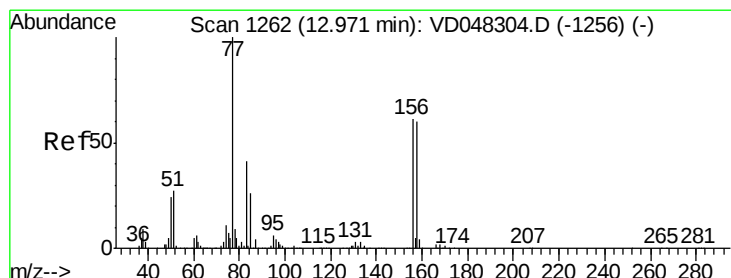
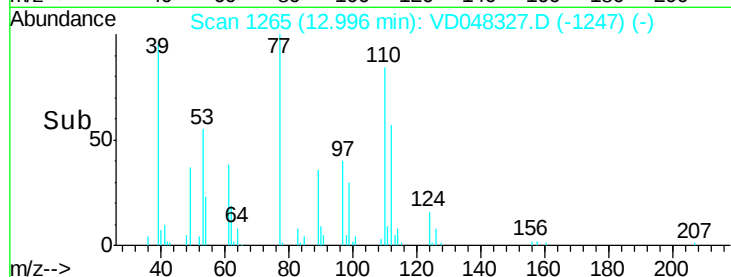
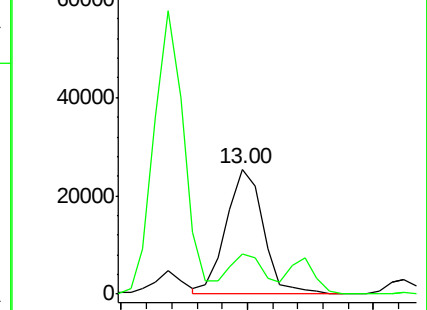
75 100

77 32.2 15.8 47.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#76

Bromobenzene

Concen: 20.03 ug/l

RT: 12.94 min Scan# 1259

Delta R.T. -0.03 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

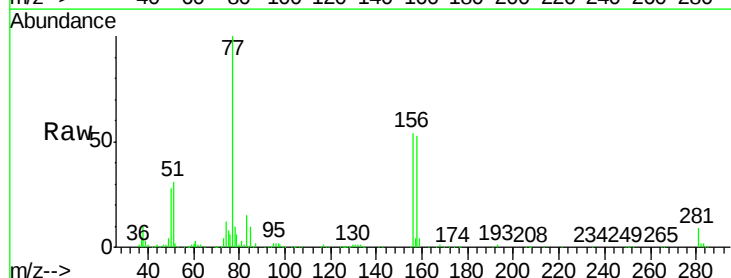
Tgt Ion: 156 Resp: 52077

Ion Ratio Lower Upper

156 100

77 185.8 87.5 262.4

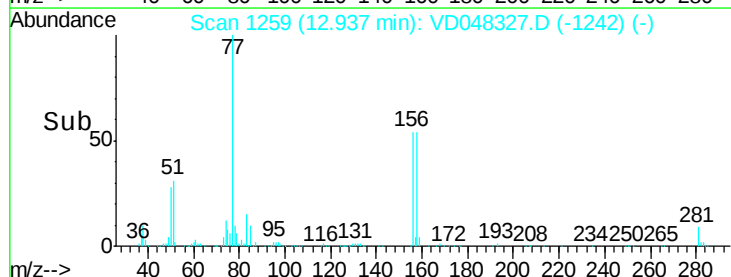
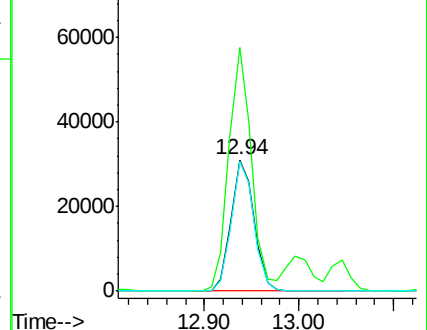
158 99.3 49.5 148.5

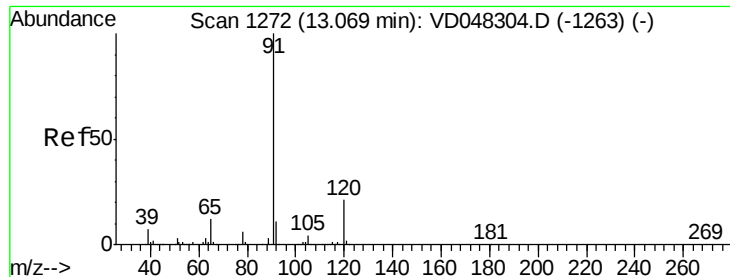


Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V





#77

n-propylbenzene

Concen: 19.13 ug/l

RT: 13.05 min Scan# 1270

Delta R.T. -0.02 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

Instrument :

BNA\_F

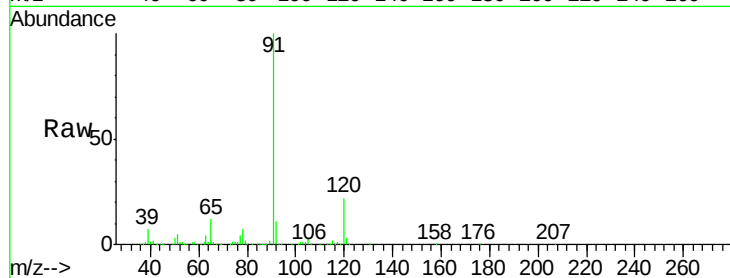
ClientSampleId :

Tot Ion: 91 Resp: 274377

Ion Ratio Lower Upper

91 100

120 22.0 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

200000

150000

100000

50000

0

13.05

13.10

13.15

13.20

13.25

13.30

13.35

13.40

13.45

13.50

13.55

13.60

13.65

13.70

13.75

13.80

13.85

13.90

13.95

14.00

14.05

14.10

14.15

14.20

14.25

14.30

14.35

14.40

14.45

14.50

14.55

14.60

14.65

14.70

14.75

14.80

14.85

14.90

14.95

15.00

15.05

15.10

15.15

15.20

15.25

15.30

15.35

15.40

15.45

15.50

15.55

15.60

15.65

15.70

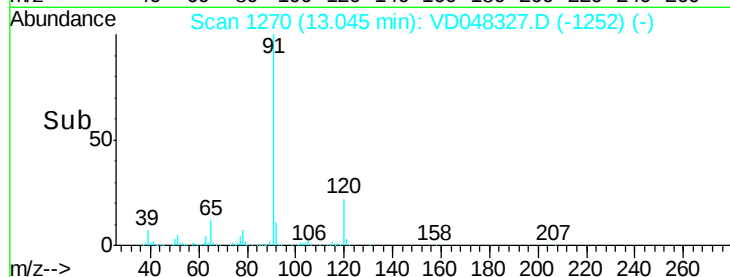
15.75

15.80

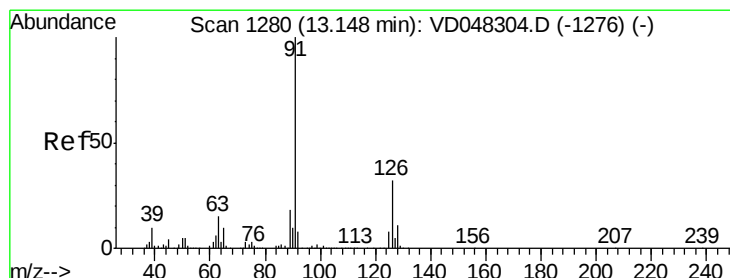
15.85

15.90

15.95



Time-->



#78

2-Chlorotoluene

Concen: 19.34 ug/l

RT: 13.12 min Scan# 1278

Delta R.T. -0.02 min

Lab File: VD048327.D

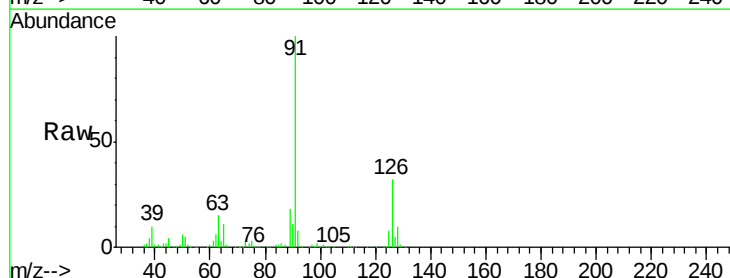
Acq: 6 Jan 2016 17:31

Tgt Ion: 91 Resp: 155099

Ion Ratio Lower Upper

91 100

126 32.2 15.3 45.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

200000

150000

100000

50000

0

13.05

13.10

13.15

13.20

13.25

13.30

13.35

13.40

13.45

13.50

13.55

13.60

13.65

13.70

13.75

13.80

13.85

13.90

13.95

14.00

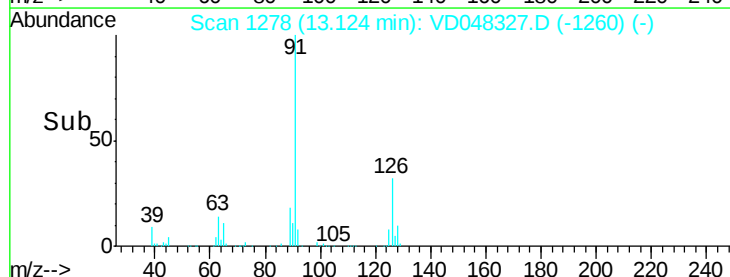
14.05

14.10

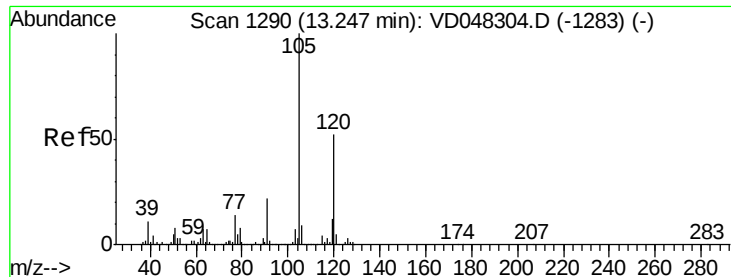
14.15

14.20

14.25



Time-->



#79

1,3,5-Trimethylbenzene

Concen: 19.05 ug/l

RT: 13.21 min Scan# 1287

Delta R.T. -0.03 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

Instrument :

BNA\_F

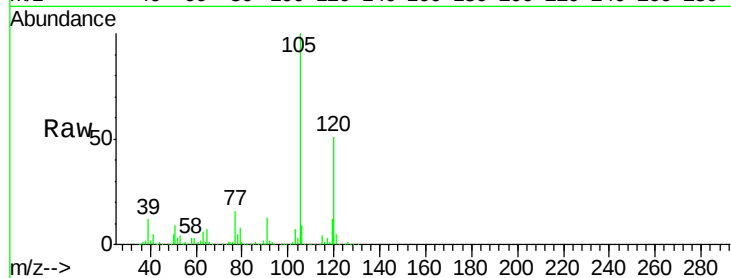
ClientSampleId :

Tot Ion:105 Resp: 165012

Ion Ratio Lower Upper

105 100

120 51.4 25.1 75.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

120000

100000

80000

60000

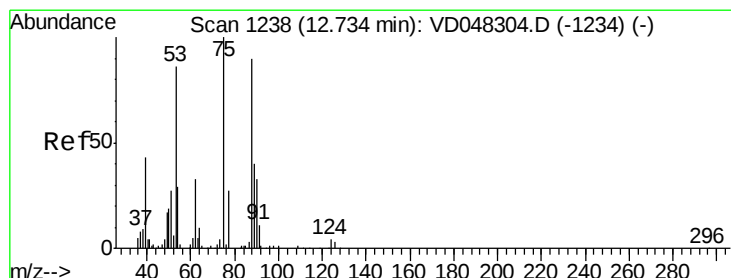
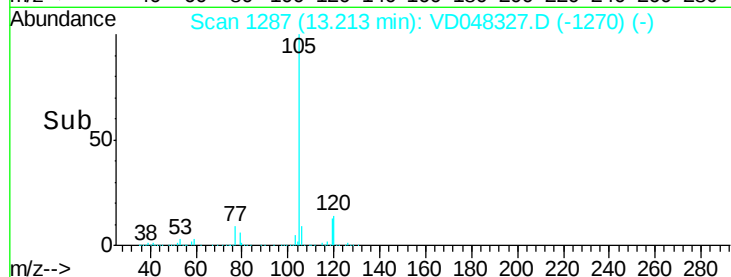
40000

20000

0

13.10 13.20 13.30

Time-->



#80

trans-1,4-Dichloro-2-butene

Concen: 19.29 ug/l

RT: 12.70 min Scan# 1235

Delta R.T. -0.03 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

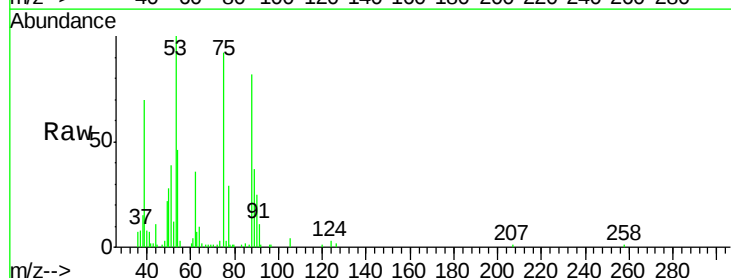
Tgt Ion: 75 Resp: 11738

Ion Ratio Lower Upper

75 100

53 109.1 77.8 116.8

89 40.3 32.6 49.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

10000

8000

6000

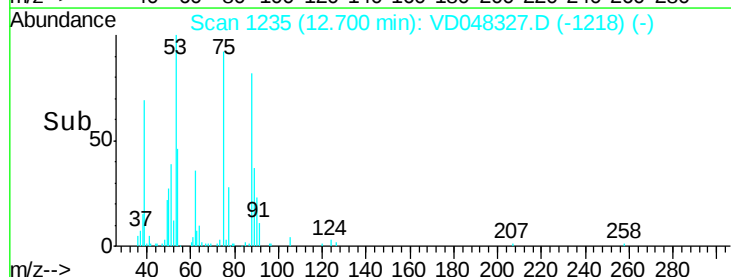
4000

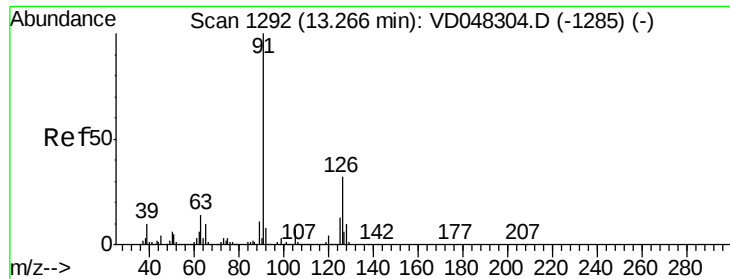
2000

0

12.65 12.70 12.75

Time-->

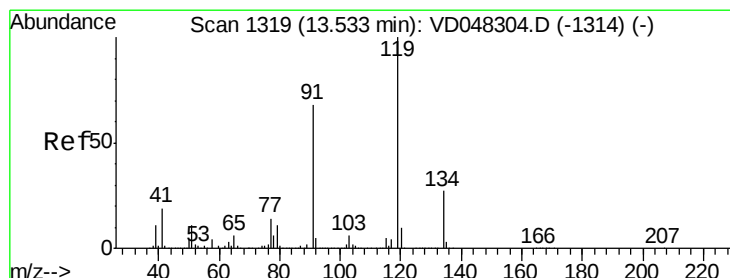
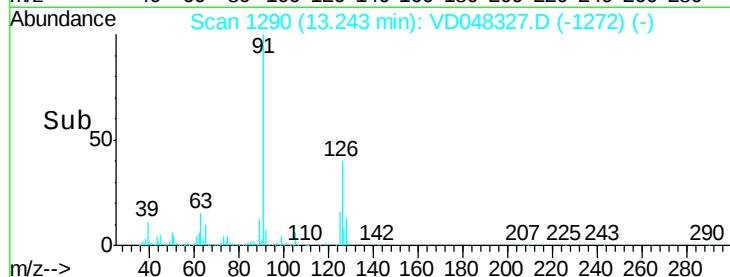
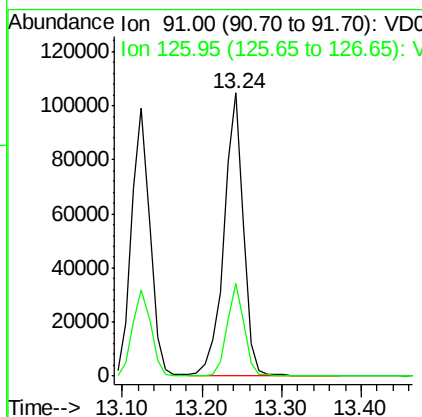
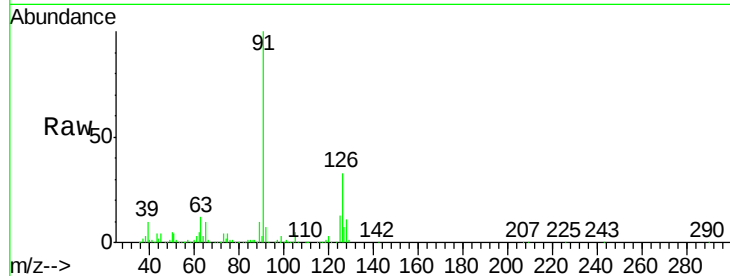




#81  
4-Chlorotoluene  
Concen: 19.44 ug/l  
RT: 13.24 min Scan# 1290  
Delta R.T. -0.02 min  
Lab File: VD048327.D  
Acq: 6 Jan 2016 17:31

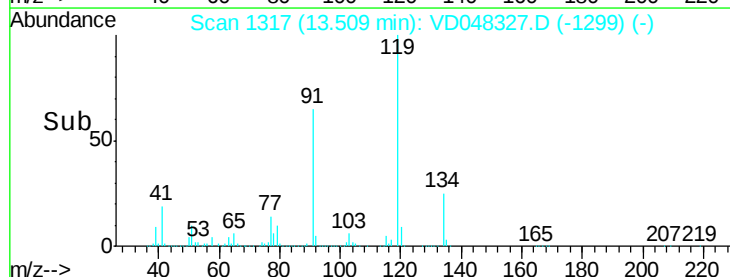
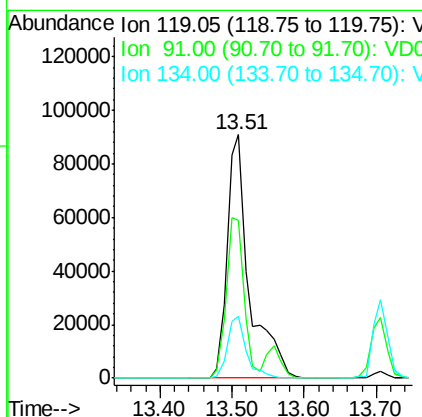
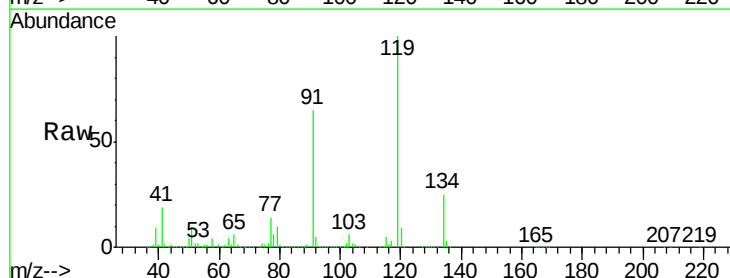
Instrument :  
BNA\_F  
ClientSampleId :

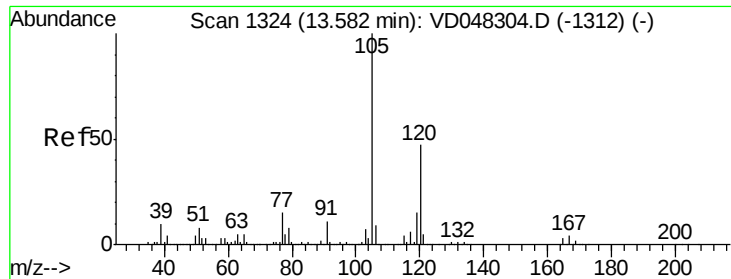
Tot Ion: 91 Resp: 180198  
Ion Ratio Lower Upper  
91 100  
126 32.9 15.4 46.1



#82  
tert-Butylbenzene  
Concen: 23.19 ug/l  
RT: 13.51 min Scan# 1317  
Delta R.T. -0.02 min  
Lab File: VD048327.D  
Acq: 6 Jan 2016 17:31

Tgt Ion: 119 Resp: 194627  
Ion Ratio Lower Upper  
119 100  
91 64.9 33.2 99.6  
134 25.3 12.5 37.5

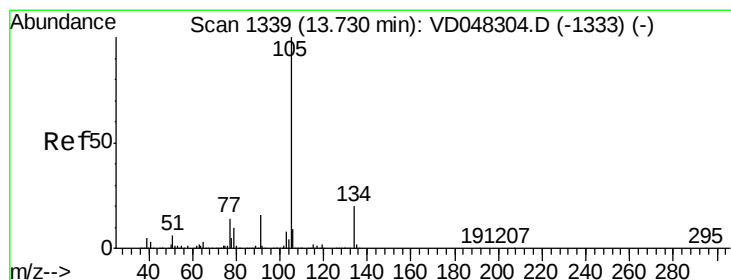
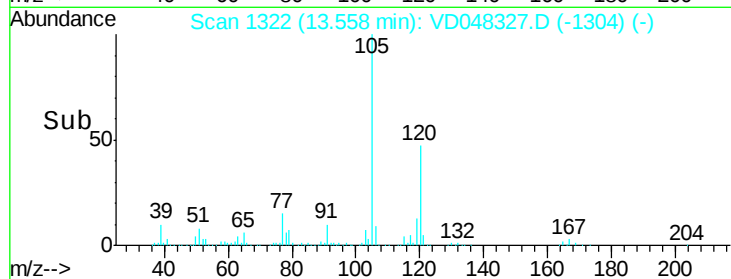
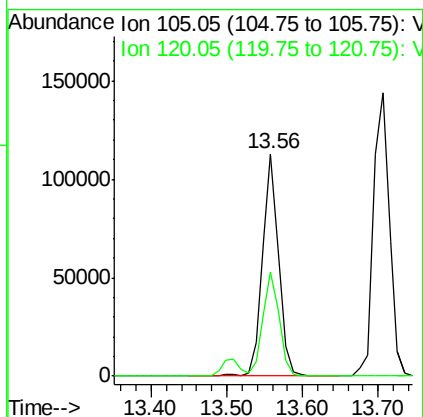
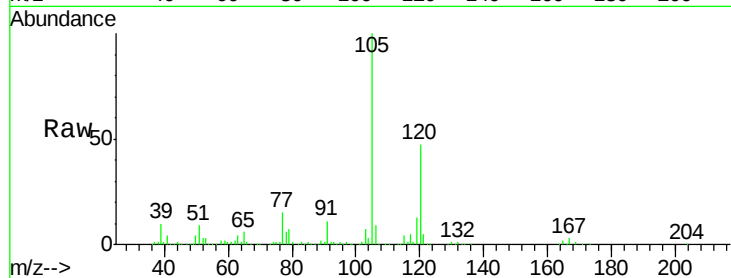




#83  
1,2,4-Trimethylbenzene  
Concen: 19.22 ug/l  
RT: 13.56 min Scan# 1322  
Delta R.T. -0.02 min  
Lab File: VD048327.D  
Acq: 6 Jan 2016 17:31

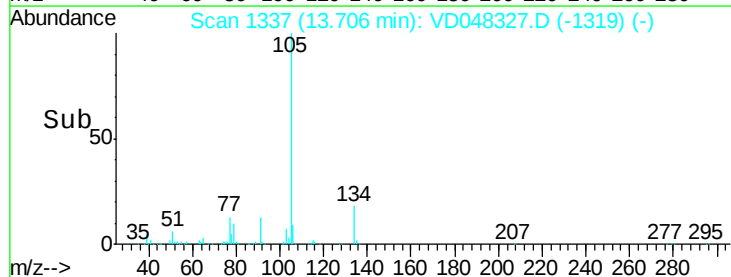
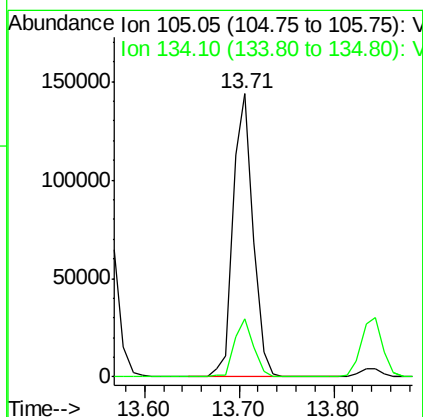
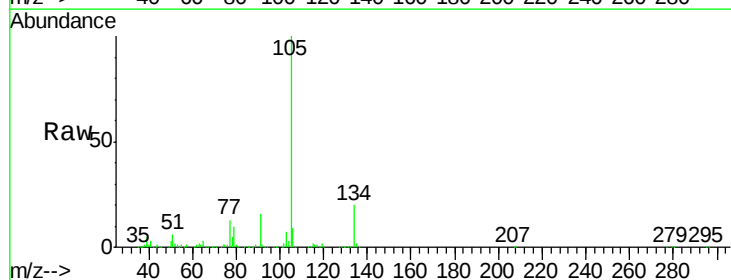
Instrument :  
BNA\_F  
ClientSampleId :

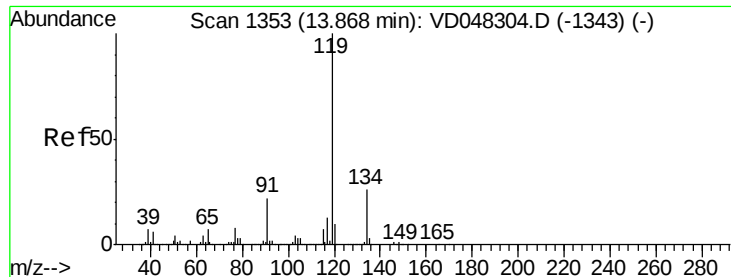
Tot Ion:105 Resp: 171369  
Ion Ratio Lower Upper  
105 100  
120 46.9 22.6 67.7



#84  
sec-Butylbenzene  
Concen: 17.61 ug/l  
RT: 13.71 min Scan# 1337  
Delta R.T. -0.02 min  
Lab File: VD048327.D  
Acq: 6 Jan 2016 17:31

Tgt Ion:105 Resp: 209653  
Ion Ratio Lower Upper  
105 100  
134 20.4 9.4 28.2

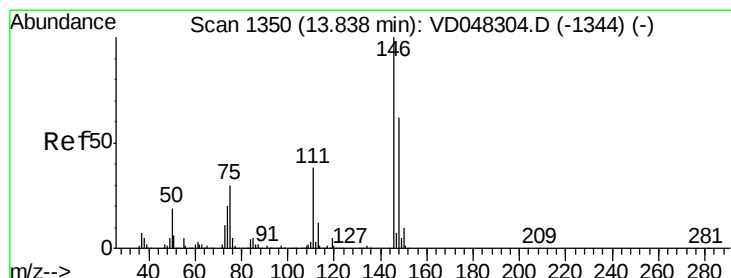
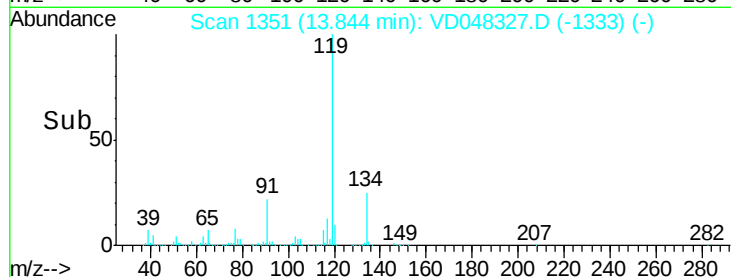
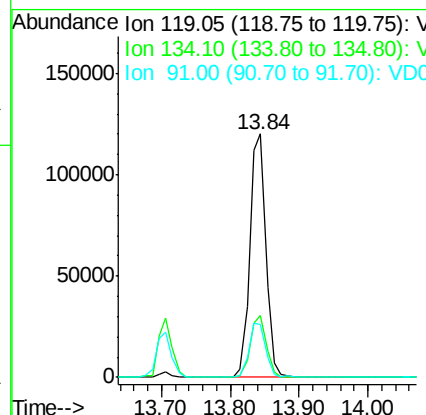
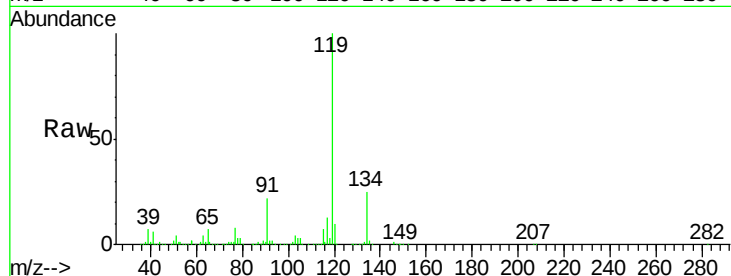




#85  
p-Isopropyltoluene  
Concen: 19.43 ug/l  
RT: 13.84 min Scan# 1351  
Delta R.T. -0.02 min  
Lab File: VD048327.D  
Acq: 6 Jan 2016 17:31

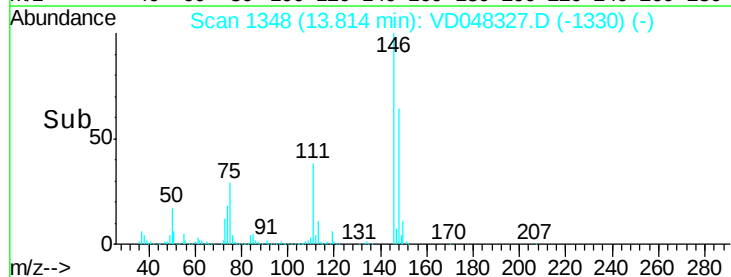
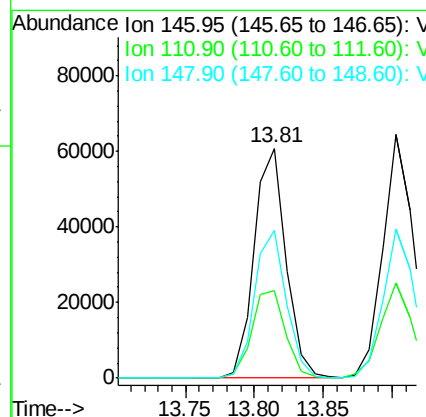
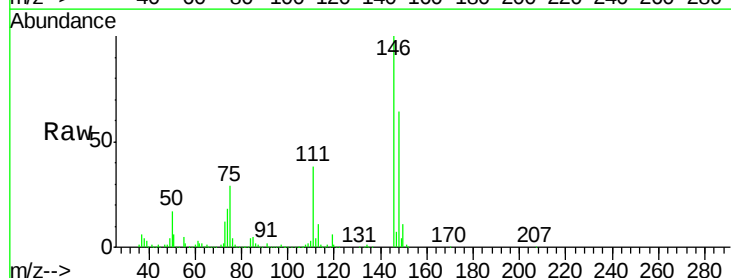
Instrument :  
BNA\_F  
ClientSampleId :

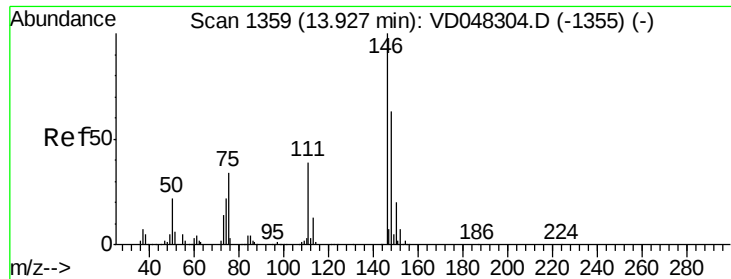
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 25.3  | 12.5  | 37.5  |
| 91      | 21.9  | 11.2  | 33.5  |



#86  
1,3-Dichlorobenzene  
Concen: 19.77 ug/l  
RT: 13.81 min Scan# 1348  
Delta R.T. -0.02 min  
Lab File: VD048327.D  
Acq: 6 Jan 2016 17:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.2  | 20.5  | 61.6  |
| 148     | 63.9  | 31.4  | 94.0  |





#87

1,4-Dichlorobenzene

Concen: 20.10 ug/l

RT: 13.90 min Scan# 1357

Delta R.T. -0.02 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

Instrument :

BNA\_F

ClientSampleId :

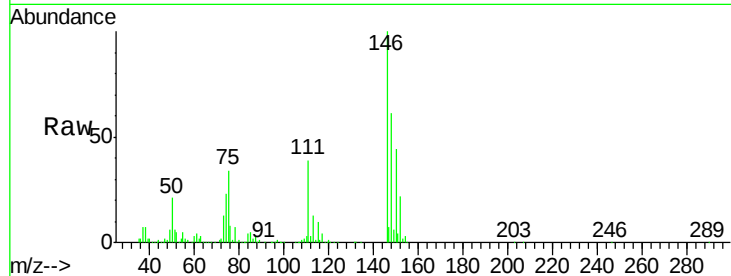
Tot Ion:146 Resp: 99927

Ion Ratio Lower Upper

146 100

111 38.8 18.4 55.2

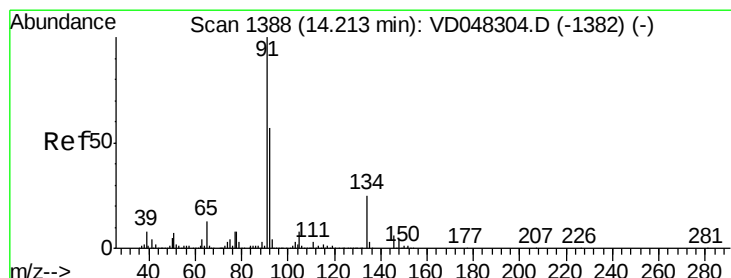
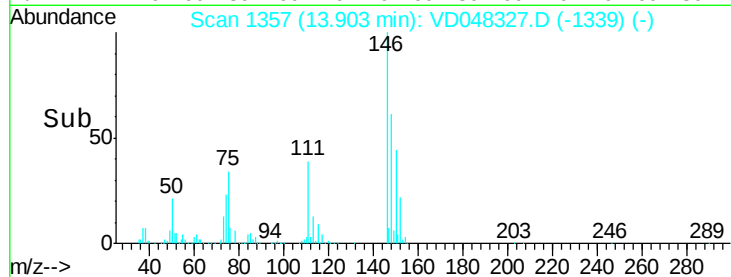
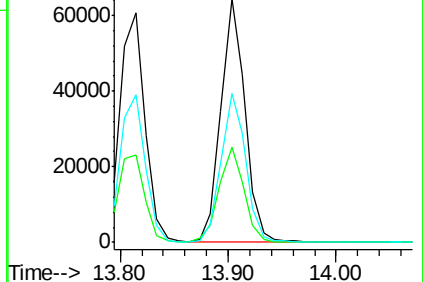
148 60.9 32.1 96.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

n-Butylbenzene

Concen: 18.82 ug/l

RT: 14.19 min Scan# 1386

Delta R.T. -0.02 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

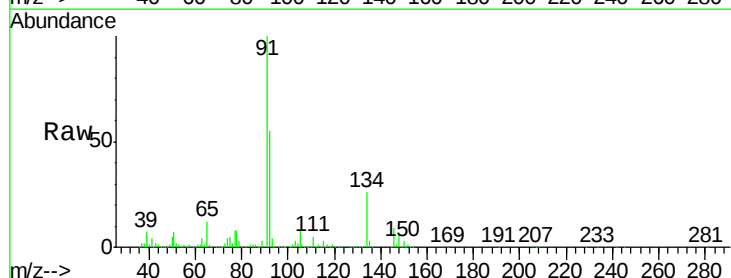
Tgt Ion: 91 Resp: 186419

Ion Ratio Lower Upper

91 100

92 54.9 28.8 86.5

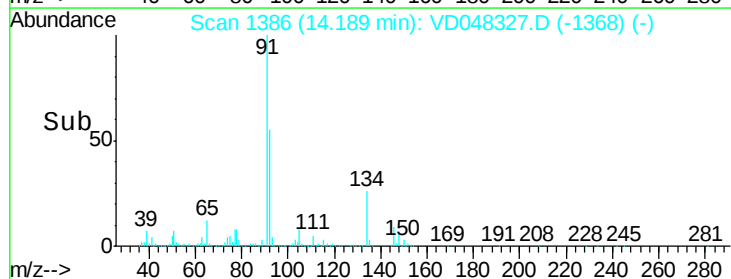
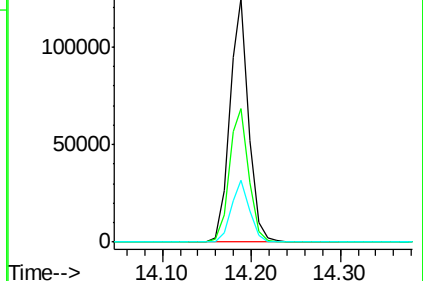
134 25.6 11.7 35.0

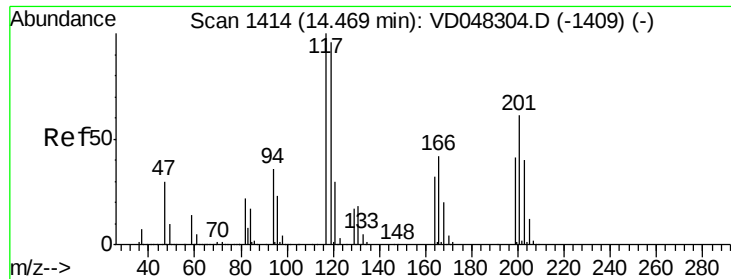


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V





#89

Hexachloroethane

Concen: 16.86 ug/l

RT: 14.45 min Scan# 1412

Delta R.T. -0.02 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

Instrument :

BNA\_F

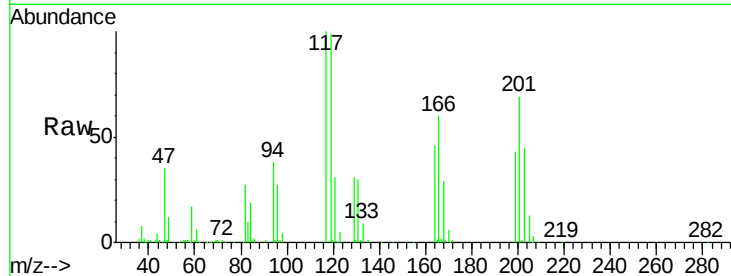
ClientSampled :

Tot Ion:117 Resp: 34037

Ion Ratio Lower Upper

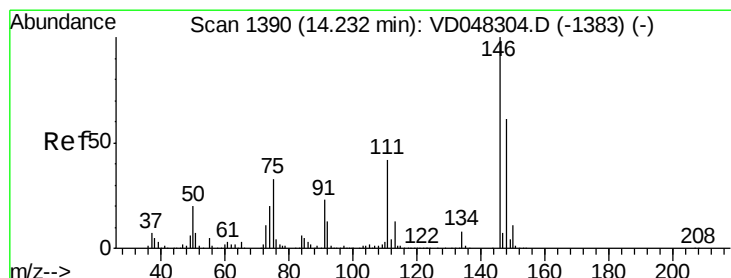
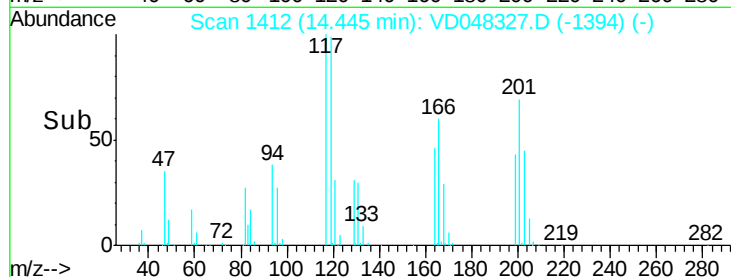
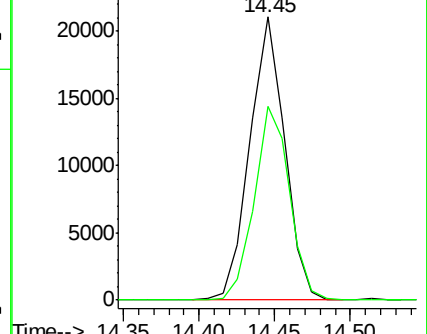
117 100

201 68.5 28.5 85.5



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V



#90

1,2-Dichlorobenzene

Concen: 19.91 ug/l

RT: 14.21 min Scan# 1388

Delta R.T. -0.02 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

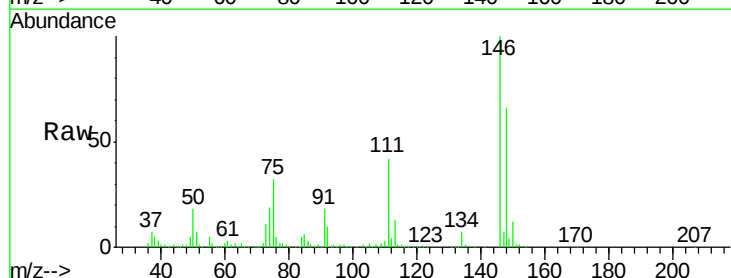
Tgt Ion:146 Resp: 87182

Ion Ratio Lower Upper

146 100

111 42.4 22.0 66.0

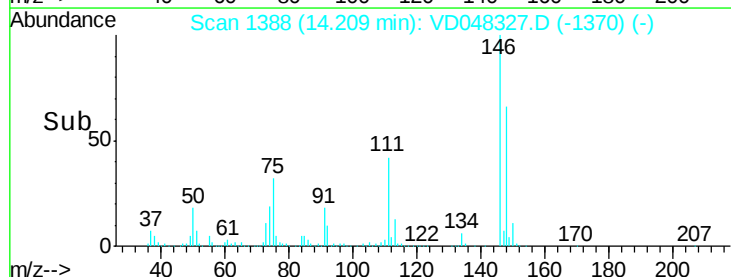
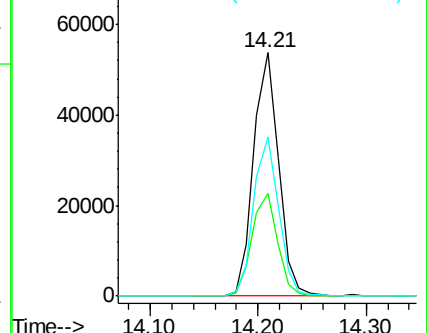
148 65.5 32.0 96.2

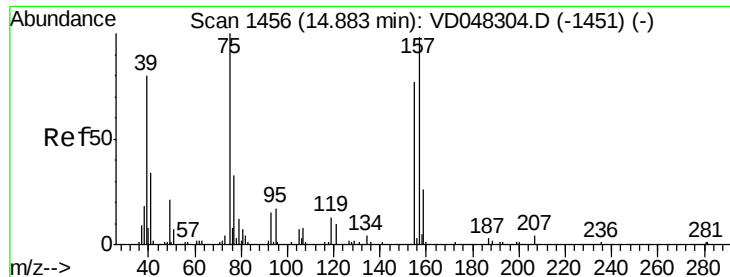


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

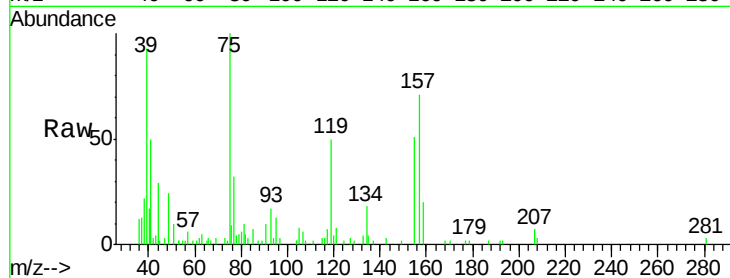




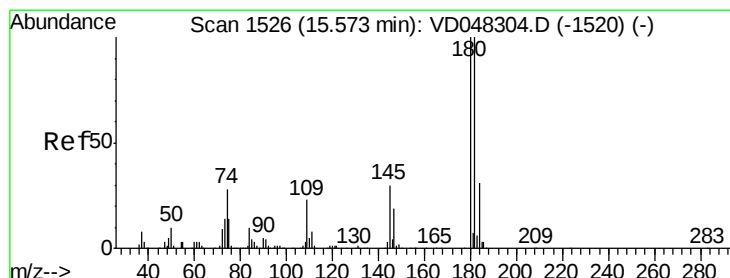
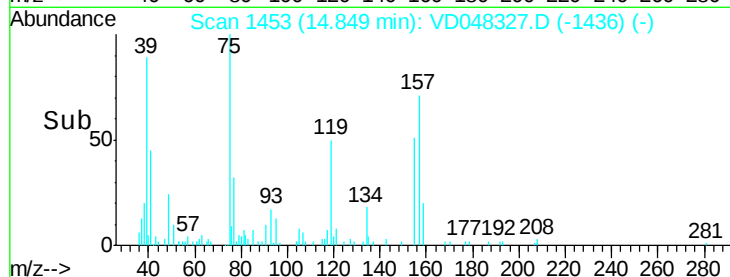
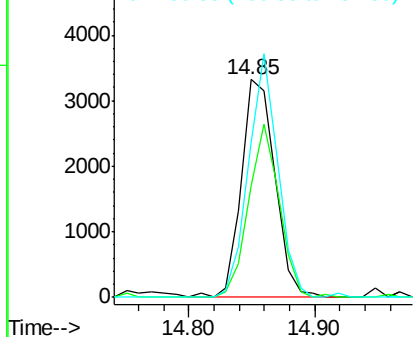
#91  
 1,2-Dibromo-3-Chloropropane  
 Concen: 22.81 ug/l  
 RT: 14.85 min Scan# 1453  
 Delta R.T. -0.03 min  
 Lab File: VD048327.D  
 Acq: 6 Jan 2016 17:31

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion: 75 Resp: 6135  
 Ion Ratio Lower Upper  
 75 100  
 155 51.5 38.2 114.6  
 157 71.4 50.5 151.6

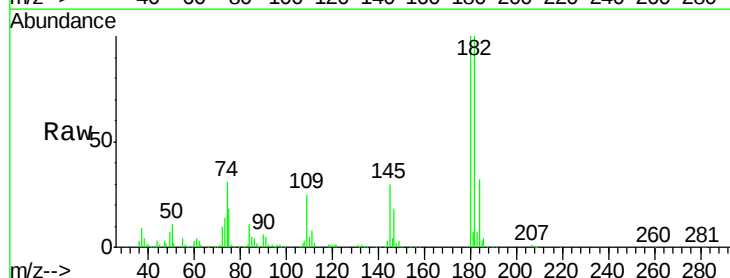


Abundance Ion 75.00 (74.70 to 75.70): VD048327.D (-1436) (-)  
 Ion 154.90 (154.60 to 155.60): VD048327.D (-1436) (-)  
 Ion 156.85 (156.55 to 157.55): VD048327.D (-1436) (-)

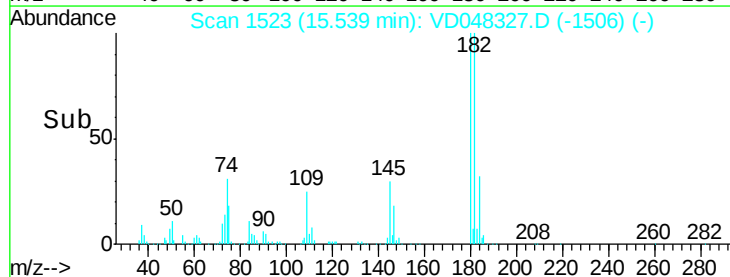
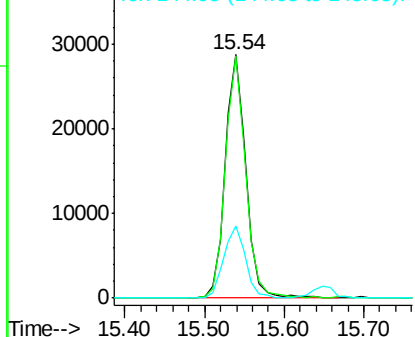


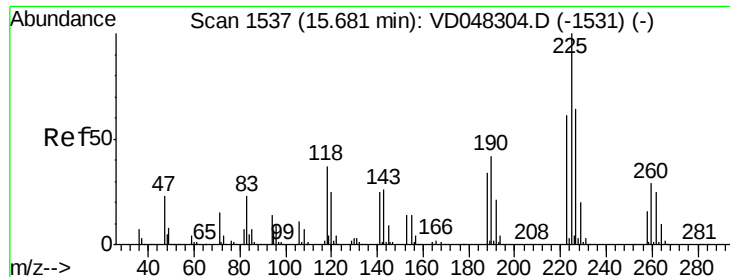
#92  
 1,2,4-Trichlorobenzene  
 Concen: 20.08 ug/l  
 RT: 15.54 min Scan# 1523  
 Delta R.T. -0.03 min  
 Lab File: VD048327.D  
 Acq: 6 Jan 2016 17:31

Tgt Ion: 180 Resp: 52793  
 Ion Ratio Lower Upper  
 180 100  
 182 99.8 46.6 139.8  
 145 29.9 14.9 44.7



Abundance Ion 179.85 (179.55 to 180.55): VD048327.D (-1506) (-)  
 Ion 181.85 (181.55 to 182.55): VD048327.D (-1506) (-)  
 Ion 144.95 (144.65 to 145.65): VD048327.D (-1506) (-)





#93

Hexachlorobutadiene

Concen: 18.90 ug/l

RT: 15.65 min Scan# 1534

Delta R.T. -0.03 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

Instrument :

BNA\_F

ClientSampleId :

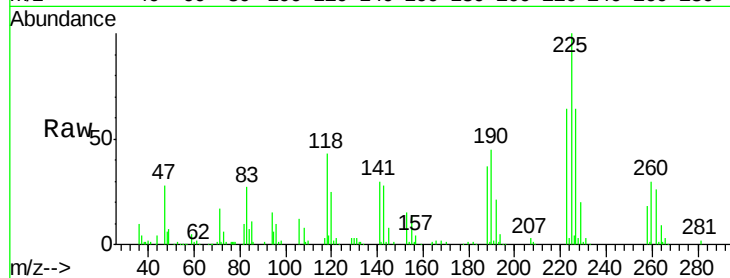
Tot Ion:225 Resp: 32916

Ion Ratio Lower Upper

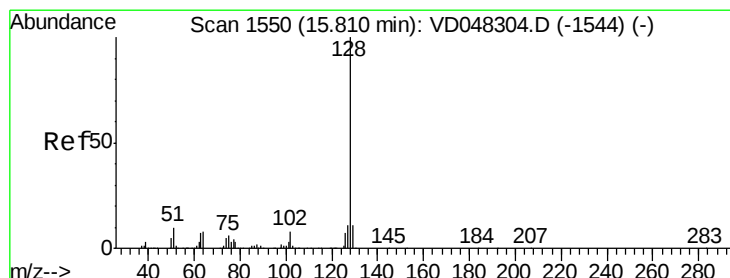
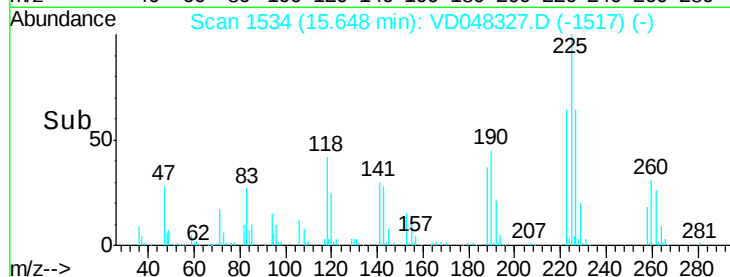
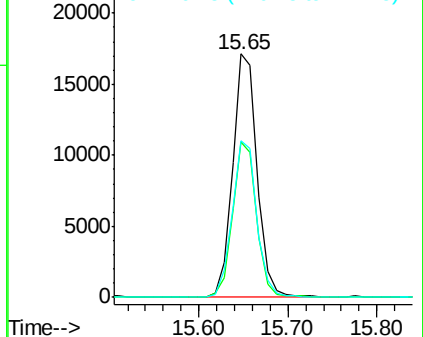
225 100

223 63.8 31.8 95.3

227 64.1 30.4 91.2



Abundance Ion 224.75 (224.45 to 225.45): V  
Ion 222.75 (222.45 to 223.45): V  
Ion 226.75 (226.45 to 227.45): V



#94

Naphthalene

Concen: 22.65 ug/l

RT: 15.79 min Scan# 1548

Delta R.T. -0.02 min

Lab File: VD048327.D

Acq: 6 Jan 2016 17:31

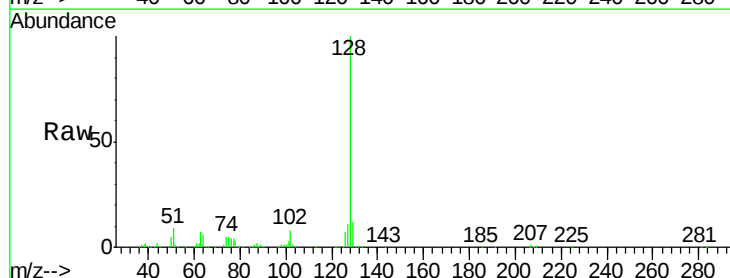
Tgt Ion:128 Resp: 102953

Ion Ratio Lower Upper

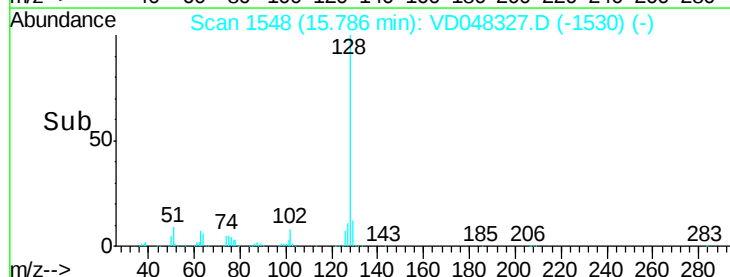
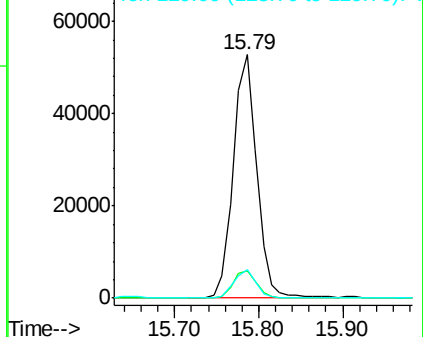
128 100

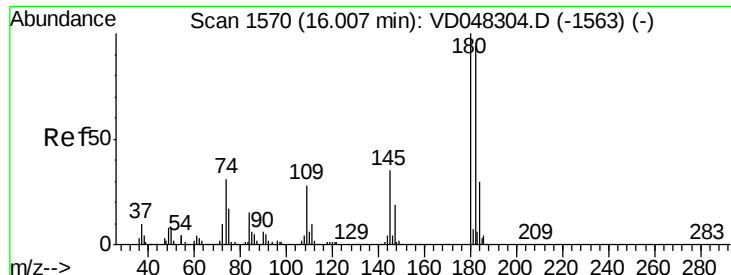
127 11.4 9.7 14.5

129 11.6 8.2 12.2



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





#95  
 1,2,3-Trichlorobenzene  
 Concen: 21.37 ug/l  
 RT: 15.98 min Scan# 1568  
 Delta R.T. -0.02 min  
 Lab File: VD048327.D  
 Acq: 6 Jan 2016 17:31

Instrument :  
 BNA\_F  
 ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 180   | Resp: | 46068 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 99.6  | 49.0  | 147.0 |
| 145       | 29.4  | 16.8  | 50.3  |

