

Data Path : W:\HPCHEM1\MSVOA\_X\DATA\VX020918\  
 Data File : VX000051.D  
 Acq On : 09 Feb 2018 19:23  
 Operator : JC/MD  
 Sample : MDL01 0.5PPB  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 ClientSampleId :  
 MDL01 0.5PPB

Quant Time: Feb 10 00:08:40 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X020918W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 09 23:01:05 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.68  | 168  | 130610   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 214246   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 198884   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.09 | 152  | 105352   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 6.08   | 65  | 71075    | 52.08 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 104.16% |      |
| 35) Dibromofluoromethane    | 5.52   | 113 | 61033    | 48.79 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.58%  |      |
| 50) Toluene-d8              | 8.73   | 98  | 220697   | 47.41 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 94.82%  |      |
| 62) 4-Bromofluorobenzene    | 11.15  | 95  | 87810    | 46.38 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.76%  |      |

| Target Compounds              |      |     |      |      |        | Qvalue |
|-------------------------------|------|-----|------|------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 798  | 0.67 | ug/l   | 93     |
| 3) Chloromethane              | 1.32 | 50  | 721  | 0.60 | ug/l   | 91     |
| 4) Vinyl Chloride             | 1.40 | 62  | 648  | 0.48 | ug/l # | 88     |
| 5) Bromomethane               | 1.65 | 94  | 977  | 1.35 | ug/l   | 95     |
| 6) Chloroethane               | 1.73 | 64  | 876  | 1.07 | ug/l   | 94     |
| 7) Trichlorofluoromethane     | 1.94 | 101 | 1296 | 0.55 | ug/l # | 81     |
| 8) Diethyl Ether              | 2.20 | 74  | 417  | 0.49 | ug/l # | 21     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.39 | 101 | 948  | 0.71 | ug/l # | 84     |
| 10) Methyl Iodide             | 2.52 | 142 | 1211 | 2.42 | ug/l   | 99     |
| 11) Tert butyl alcohol        | 3.08 | 59  | 1625 | 2.98 | ug/l   | 99     |
| 12) 1,1-Dichloroethene        | 2.39 | 96  | 732  | 0.58 | ug/l # | 67     |
| 13) Acrolein                  | 2.31 | 56  | 1181 | 4.21 | ug/l   | 89     |
| 14) Allyl chloride            | 2.73 | 41  | 1396 | 0.63 | ug/l   | 86     |
| 15) Acrylonitrile             | 3.16 | 53  | 2804 | 2.95 | ug/l   | 89     |
| 16) Acetone                   | 2.45 | 43  | 3335 | 4.13 | ug/l   | 99     |
| 17) Carbon Disulfide          | 2.57 | 76  | 2958 | 0.80 | ug/l # | 95     |
| 18) Methyl Acetate            | 2.79 | 43  | 1495 | 0.73 | ug/l   | 95     |
| 19) Methyl tert-butyl Ether   | 3.23 | 73  | 2224 | 0.51 | ug/l   | 92     |
| 20) Methylene Chloride        | 2.87 | 84  | 968  | 0.72 | ug/l # | 91     |
| 21) trans-1,2-Dichloroethene  | 3.17 | 96  | 910  | 0.67 | ug/l   | 92     |
| 22) Diisopropyl ether         | 3.89 | 45  | 1702 | 0.47 | ug/l # | 94     |
| 23) Vinyl Acetate             | 3.84 | 43  | 7097 | 2.15 | ug/l   | 94     |
| 24) 1,1-Dichloroethane        | 3.71 | 63  | 1226 | 0.54 | ug/l # | 83     |
| 25) 2-Butanone                | 4.73 | 43  | 3634 | 2.98 | ug/l # | 85     |
| 26) 2,2-Dichloropropane       | 4.59 | 77  | 1056 | 0.54 | ug/l # | 74     |
| 27) cis-1,2-Dichloroethene    | 4.60 | 96  | 662  | 0.50 | ug/l   | 85     |
| 28) Bromochloromethane        | 5.04 | 49  | 158  | 0.21 | ug/l # | 1      |
| 29) Tetrahydrofuran           | 5.20 | 42  | 2428 | 2.91 | ug/l # | 79     |
| 30) Chloroform                | 5.23 | 83  | 1173 | 0.51 | ug/l   | 97     |
| 31) Cyclohexane               | 5.59 | 56  | 1134 | 0.61 | ug/l # | 83     |
| 32) 1,1,1-Trichloroethane     | 5.52 | 97  | 1021 | 0.47 | ug/l # | 25     |
| 36) 1,1-Dichloropropene       | 5.81 | 75  | 1254 | 0.67 | ug/l   | 89     |
| 37) Ethyl Acetate             | 4.89 | 43  | 1339 | 0.56 | ug/l # | 73     |
| 38) Carbon Tetrachloride      | 5.79 | 117 | 1273 | 0.61 | ug/l # | 84     |

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 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 ClientSampleId :  
 MDL01 0.5PPB

Quant Time: Feb 10 00:08:40 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X020918W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 09 23:01:05 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 39) Methylcyclohexane          | 7.47  | 83   | 1388     | 0.61  | ug/l # | 87       |
| 40) Benzene                    | 6.15  | 78   | 2423     | 0.46  | ug/l   | 93       |
| 41) Methacrylonitrile          | 5.07  | 41   | 807      | 0.65  | ug/l # | 70       |
| 42) 1,2-Dichloroethane         | 6.21  | 62   | 921      | 0.49  | ug/l # | 74       |
| 43) Isopropyl Acetate          | 6.48  | 43   | 1951     | 0.54  | ug/l # | 84       |
| 44) Trichloroethene            | 7.22  | 130  | 858      | 0.53  | ug/l   | 67       |
| 45) 1,2-Dichloropropane        | 7.53  | 63   | 642      | 0.50  | ug/l # | 80       |
| 46) Dibromomethane             | 7.67  | 93   | 463      | 0.47  | ug/l   | 94       |
| 47) Bromodichloromethane       | 7.92  | 83   | 926      | 0.48  | ug/l # | 97       |
| 48) Methyl methacrylate        | 7.79  | 41   | 964      | 0.54  | ug/l   | 85       |
| 49) 1,4-Dioxane                | 7.77  | 88   | 460      | 9.69  | ug/l # | 84       |
| 51) 4-Methyl-2-Pentanone       | 8.67  | 43   | 5772     | 2.28  | ug/l   | 98       |
| 52) Toluene                    | 8.79  | 92   | 1840     | 0.52  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 8.45  | 75   | 1004     | 0.45  | ug/l # | 73       |
| 54) cis-1,3-Dichloropropene    | 9.06  | 75   | 1031     | 0.47  | ug/l   | 92       |
| 55) 1,1,2-Trichloroethane      | 9.23  | 97   | 691      | 0.47  | ug/l # | 91       |
| 56) Ethyl methacrylate         | 9.20  | 69   | 974      | 0.43  | ug/l # | 73       |
| 57) 1,3-Dichloropropane        | 9.38  | 76   | 1149     | 0.50  | ug/l   | 96       |
| 58) 2-Chloroethyl Vinyl ether  | 8.32  | 63   | 2864     | 2.55  | ug/l   | 100      |
| 59) 2-Hexanone                 | 9.51  | 43   | 4585     | 2.23  | ug/l   | 99       |
| 60) Dibromochloromethane       | 9.59  | 129  | 684      | 0.40  | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 9.68  | 107  | 749      | 0.46  | ug/l   | 99       |
| 64) Tetrachloroethene          | 9.34  | 164  | 875      | 0.59  | ug/l   | 97       |
| 65) Chlorobenzene              | 10.15 | 112  | 2255     | 0.55  | ug/l   | 91       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.23 | 131  | 711      | 0.48  | ug/l # | 67       |
| 67) Ethyl Benzene              | 10.26 | 91   | 3675     | 0.54  | ug/l   | 99       |
| 68) m/p-Xylenes                | 10.37 | 106  | 2777     | 1.02  | ug/l   | 98       |
| 69) o-Xylene                   | 10.71 | 106  | 1260     | 0.48  | ug/l   | 92       |
| 70) Styrene                    | 10.72 | 104  | 2112     | 0.47  | ug/l   | 95       |
| 71) Bromoform                  | 10.87 | 173  | 632      | 0.45  | ug/l # | 89       |
| 73) Isopropylbenzene           | 11.03 | 105  | 3536     | 0.53  | ug/l   | 92       |
| 74) N-amyl acetate             | 6.48  | 43   | 1951     | 0.58  | ug/l # | 87       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.28 | 83   | 1086     | 0.48  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 1367     | 0.69  | ug/l   | 86       |
| 77) Bromobenzene               | 11.27 | 156  | 868      | 0.48  | ug/l   | 77       |
| 78) n-propylbenzene            | 11.37 | 91   | 4766     | 0.61  | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 11.43 | 91   | 2569     | 0.57  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 11.52 | 105  | 3142     | 0.56  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-buten | 11.15 | 75   | 44679    | 55.72 | ug/l # | 11       |
| 82) 4-Chlorotoluene            | 11.52 | 91   | 3393     | 0.63  | ug/l   | 97       |
| 83) tert-Butylbenzene          | 11.78 | 119  | 2804     | 0.50  | ug/l   | 92       |
| 84) 1,2,4-Trimethylbenzene     | 11.82 | 105  | 3126     | 0.55  | ug/l   | 94       |
| 85) sec-Butylbenzene           | 11.96 | 105  | 3975     | 0.57  | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 12.07 | 119  | 3763     | 0.60  | ug/l   | 90       |
| 87) 1,3-Dichlorobenzene        | 12.04 | 146  | 2266     | 0.66  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene        | 12.04 | 146  | 2266     | 0.65  | ug/l   | 96       |
| 89) n-Butylbenzene             | 12.40 | 91   | 3906     | 0.67  | ug/l   | 98       |
| 90) Hexachloroethane           | 12.60 | 117  | 508      | 0.46  | ug/l   | 78       |
| 91) 1,2-Dichlorobenzene        | 12.40 | 146  | 1851     | 0.55  | ug/l   | 93       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.01 | 75   | 296      | 0.45  | ug/l   | 92       |

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Sample : MDL01 0.5PPB  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 11 Sample Multiplier: 1

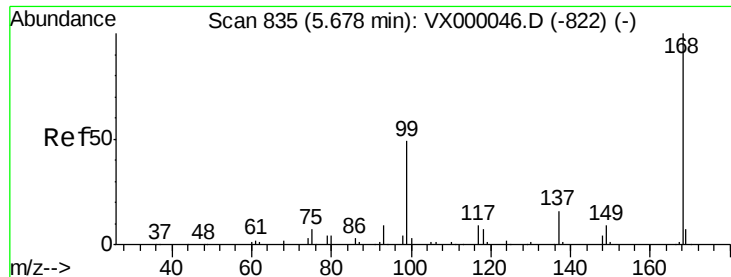
Instrument :  
ClientSampleId :  
MDL01 0.5PPB

Quant Time: Feb 10 00:08:40 2018  
Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X020918W.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 09 23:01:05 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 1735     | 0.68 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 13.79 | 225  | 800      | 0.66 | ug/l  | 95       |
| 95) Naphthalene            | 13.84 | 128  | 4513     | 0.54 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.03 | 180  | 1529     | 0.61 | ug/l  | 97       |

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000051.D

Acq: 09 Feb 2018 19:23

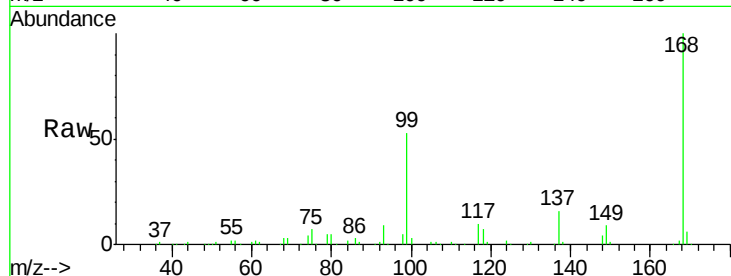
Instrument :  
ClientSampled :  
MDL01 0.5PPB

Tgt Ion: 168 Resp: 130610

Ion Ratio Lower Upper

168 100

99 53.2 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

40000

30000

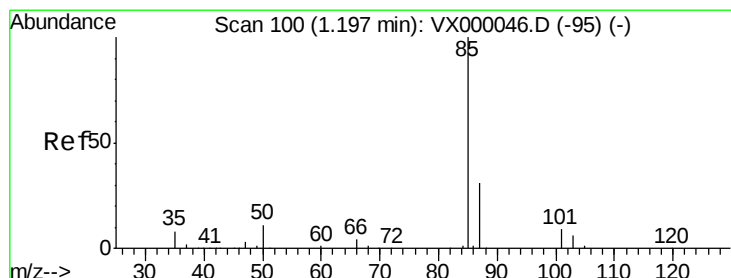
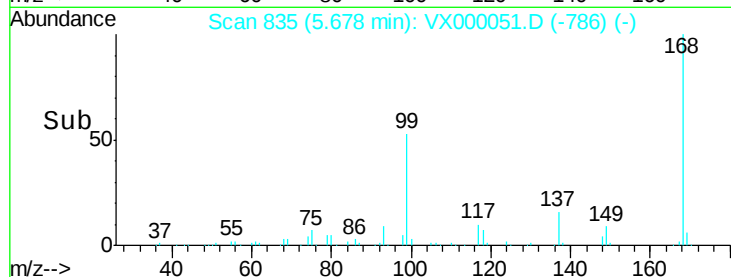
20000

10000

0

Time-->

5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.67 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX000051.D

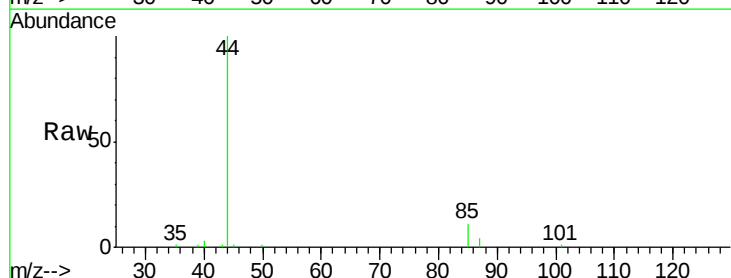
Acq: 09 Feb 2018 19:23

Tgt Ion: 85 Resp: 798

Ion Ratio Lower Upper

85 100

87 35.3 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

800

600

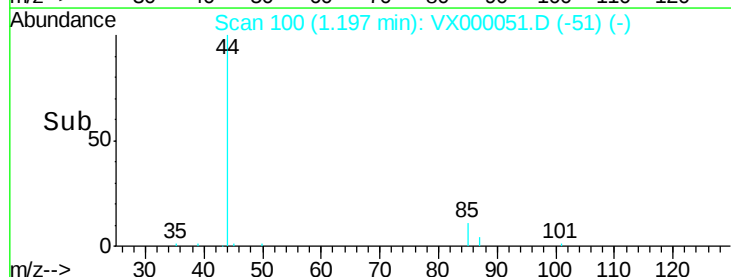
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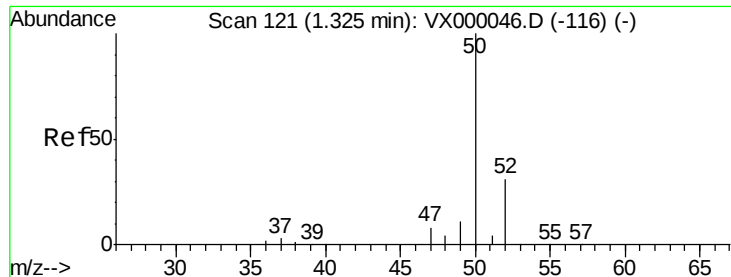
200

0

Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 0.60 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000051.D

Acq: 09 Feb 2018 19:23

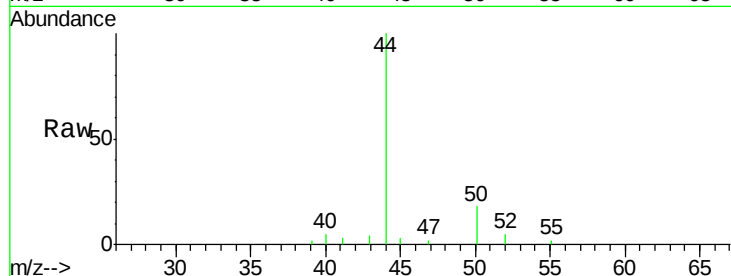
Instrument :  
ClientSampled :  
MDL01 0.5PPB

Tgt Ion: 50 Resp: 721

Ion Ratio Lower Upper

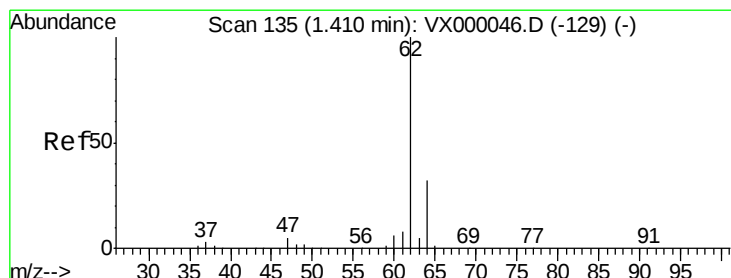
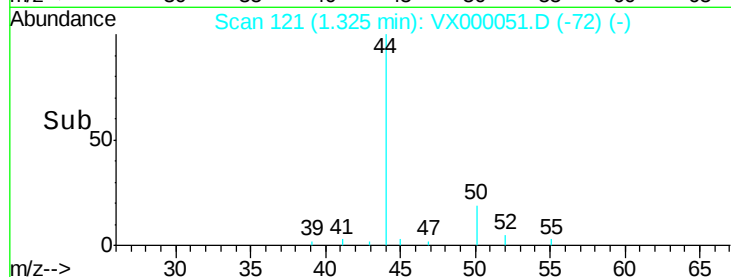
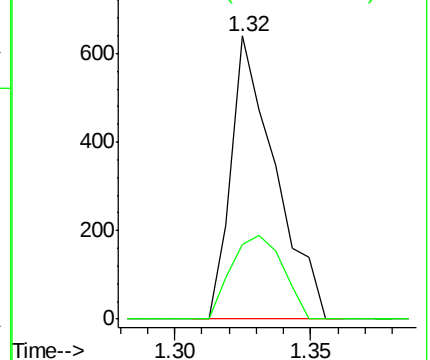
50 100

52 26.6 25.0 37.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 0.48 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX000051.D

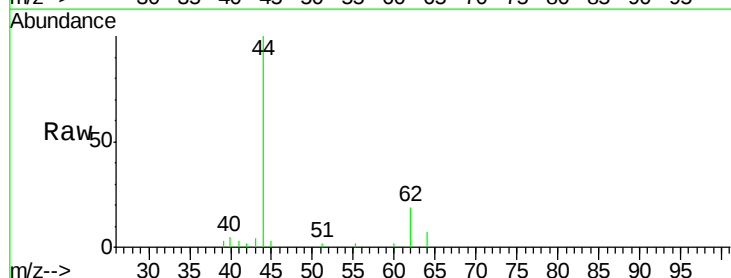
Acq: 09 Feb 2018 19:23

Tgt Ion: 62 Resp: 648

Ion Ratio Lower Upper

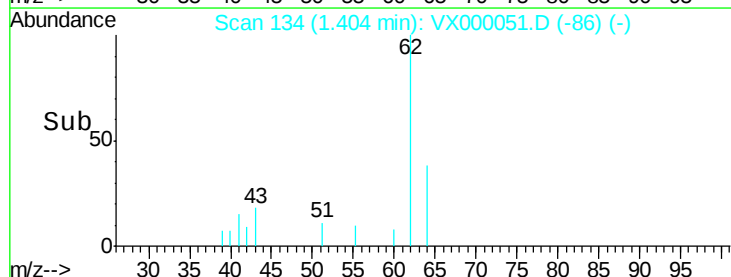
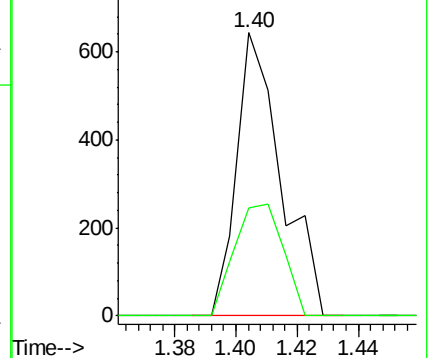
62 100

64 38.1 25.4 38.0#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 1.35 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000051.D

Acq: 09 Feb 2018 19:23

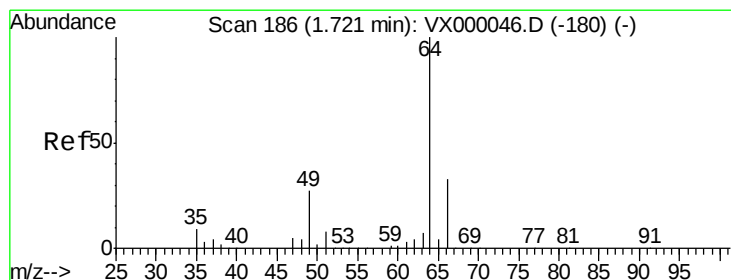
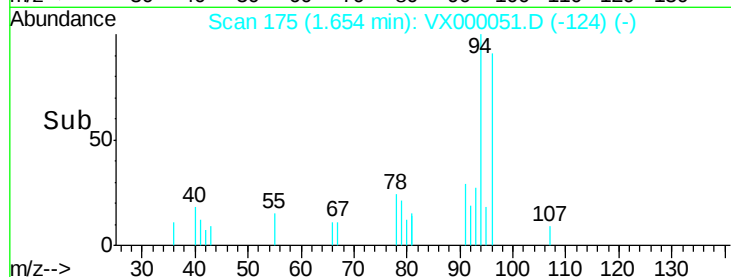
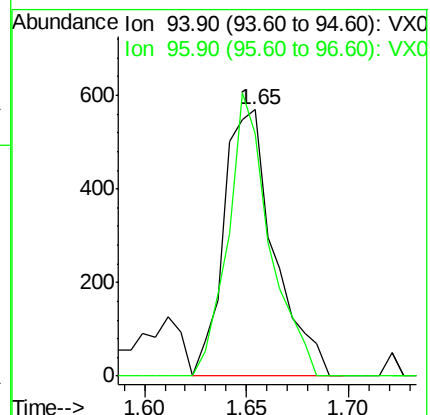
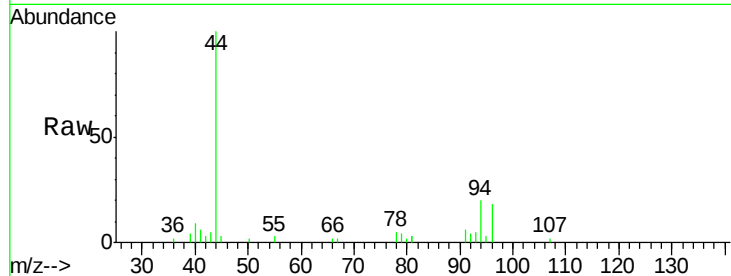
Instrument :  
ClientSampled :  
MDL01 0.5PPB

Tgt Ion: 94 Resp: 977

Ion Ratio Lower Upper

94 100

96 90.9 76.7 115.1



#6

Chloroethane

Concen: 1.07 ug/l

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX000051.D

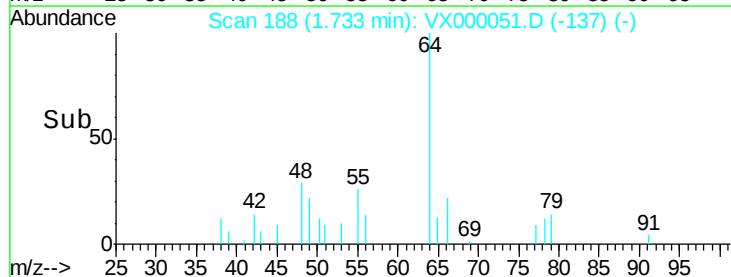
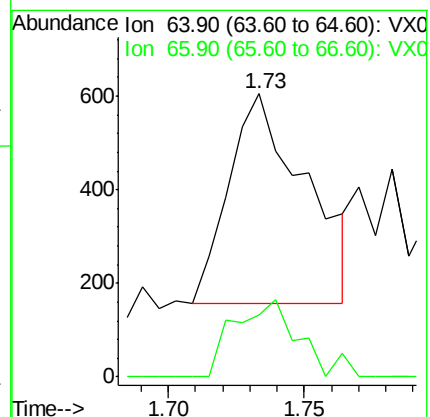
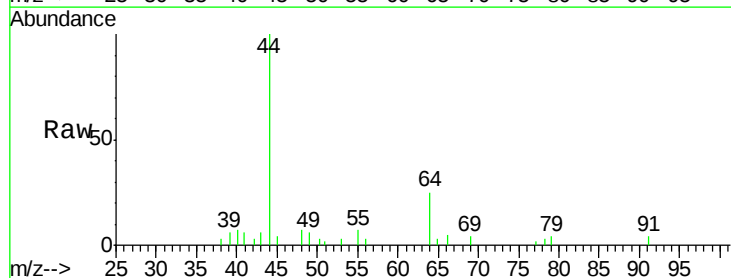
Acq: 09 Feb 2018 19:23

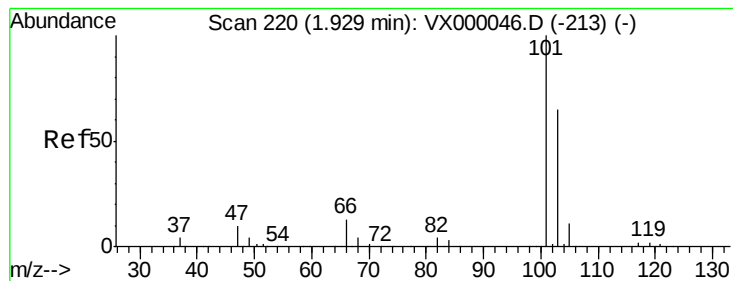
Tgt Ion: 64 Resp: 876

Ion Ratio Lower Upper

64 100

66 29.8 26.4 39.6



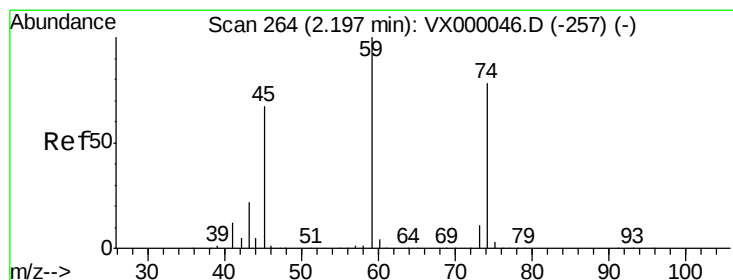
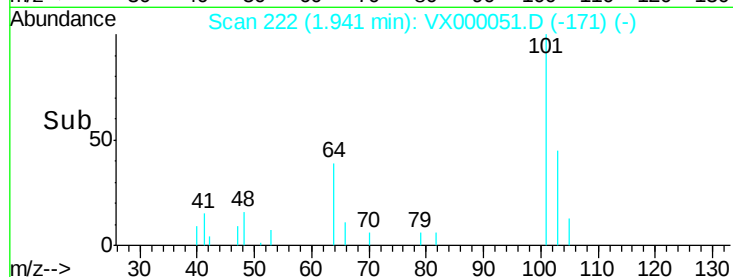
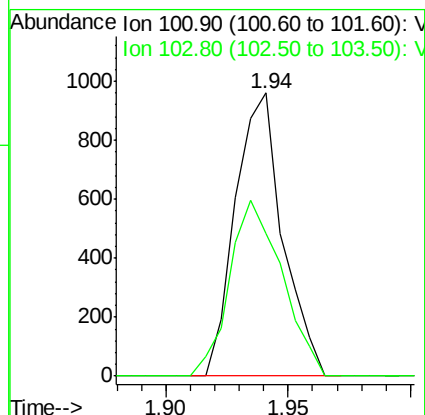
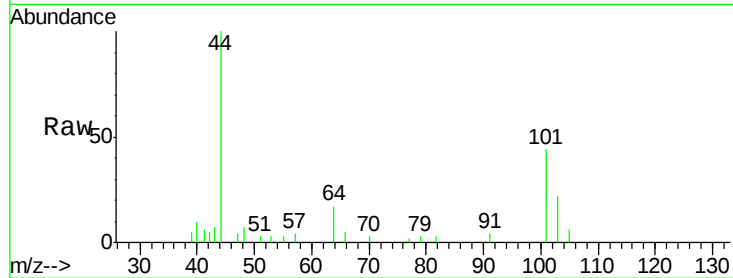


#7

Trichlorofluoromethane  
 Concen: 0.55 ug/l  
 RT: 1.94 min Scan# 222  
 Delta R.T. 0.01 min  
 Lab File: VX000051.D  
 Acq: 09 Feb 2018 19:23

Instrument :  
 ClientSampled :  
 MDL01 0.5PPB

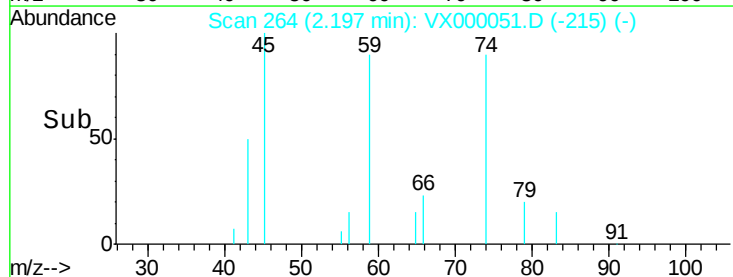
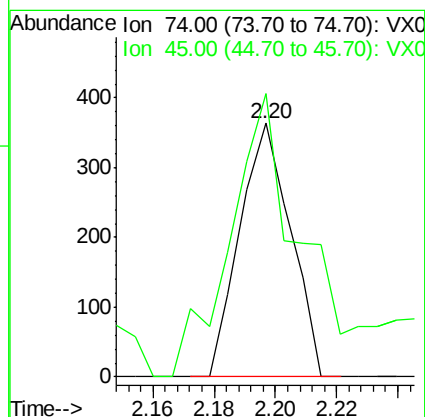
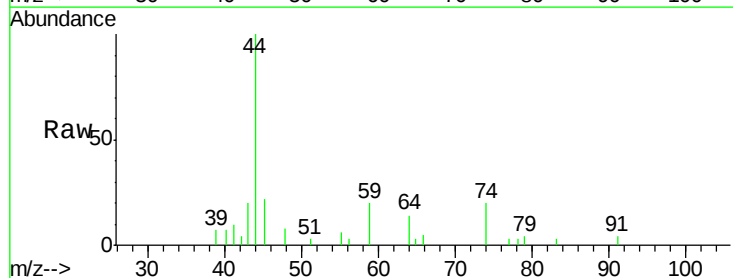
Tgt Ion: 101 Resp: 1296  
 Ion Ratio Lower Upper  
 101 100  
 103 50.4 52.3 78.5#

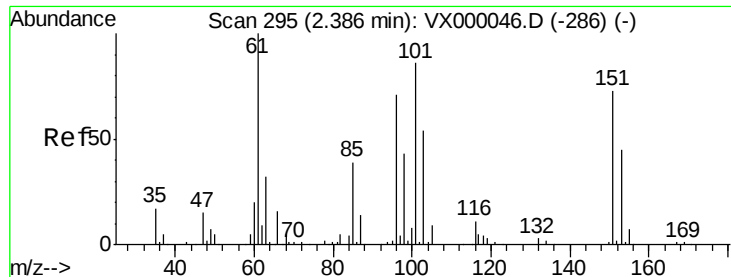


#8

Diethyl Ether  
 Concen: 0.49 ug/l  
 RT: 2.20 min Scan# 264  
 Delta R.T. -0.00 min  
 Lab File: VX000051.D  
 Acq: 09 Feb 2018 19:23

Tgt Ion: 74 Resp: 417  
 Ion Ratio Lower Upper  
 74 100  
 45 162.1 44.3 132.8#





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.71 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX000051.D

Acq: 09 Feb 2018 19:23

Instrument :

ClientSampled :

MDL01 0.5PPB

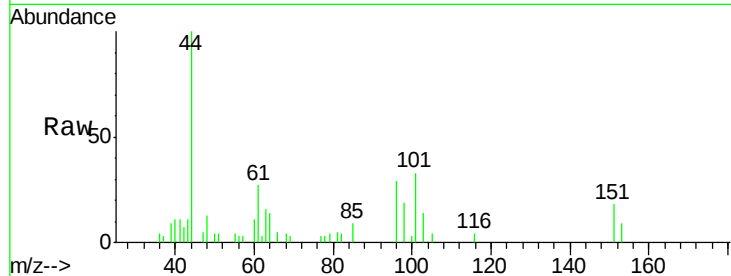
Tgt Ion:101 Resp: 948

Ion Ratio Lower Upper

101 100

85 33.9 36.6 54.8#

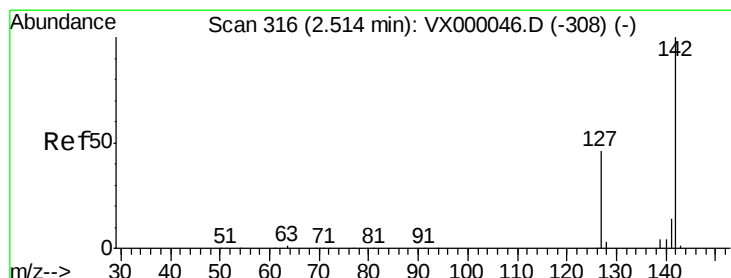
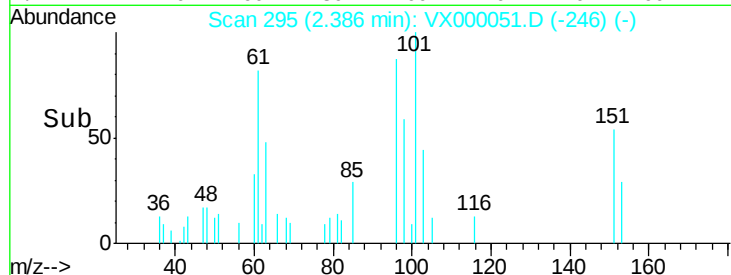
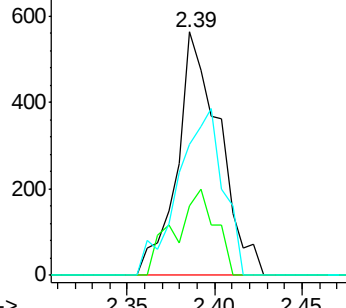
151 72.9 68.8 103.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 2.42 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX000051.D

Acq: 09 Feb 2018 19:23

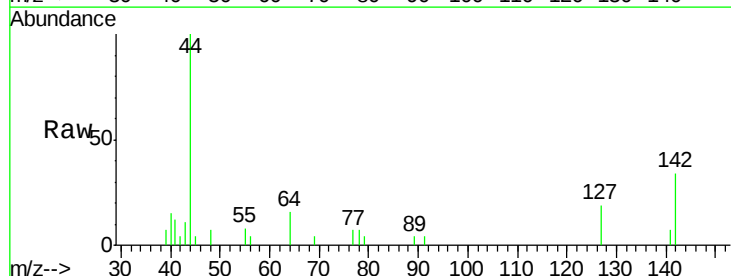
Tgt Ion:142 Resp: 1211

Ion Ratio Lower Upper

142 100

127 45.5 36.8 55.2

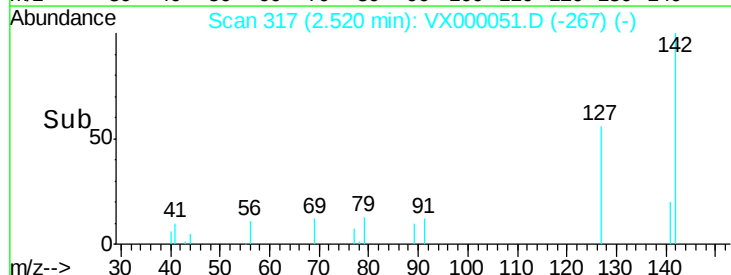
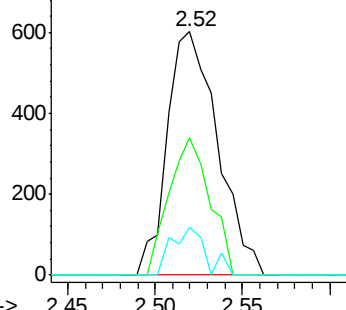
141 13.1 11.4 17.0

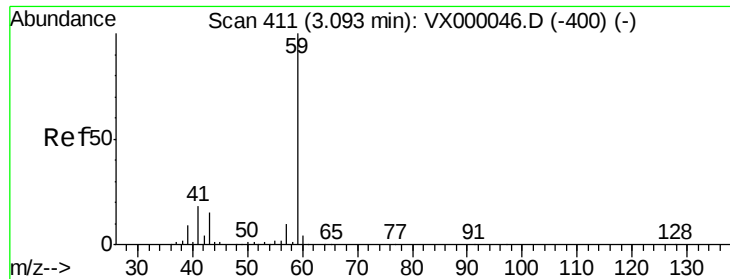


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

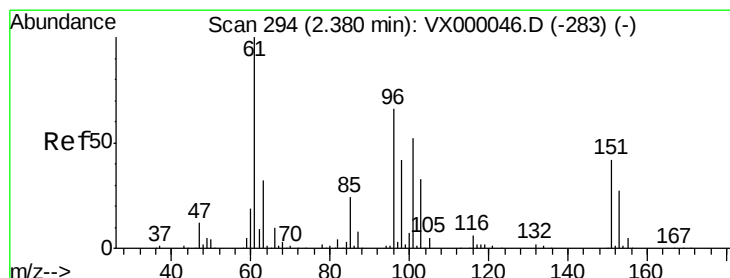
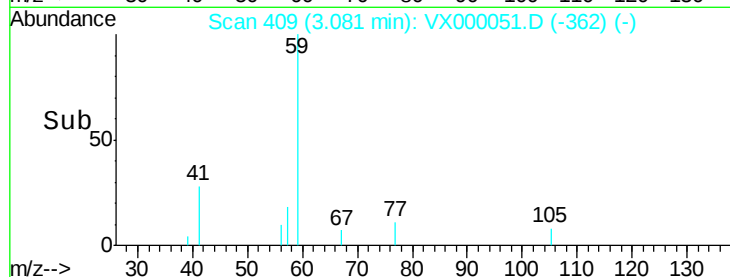
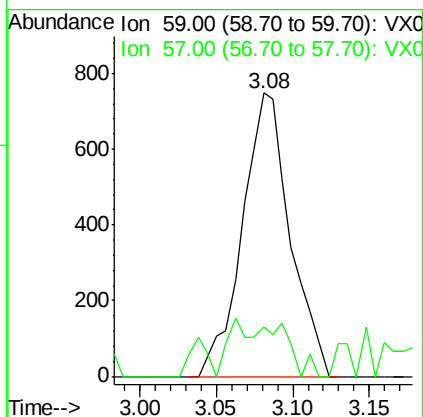
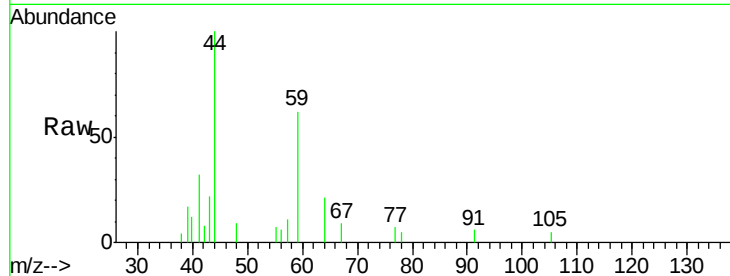




#11  
Tert butyl alcohol  
Concen: 2.98 ug/l  
RT: 3.08 min Scan# 409  
Delta R.T. -0.01 min  
Lab File: VX000051.D  
Acq: 09 Feb 2018 19:23

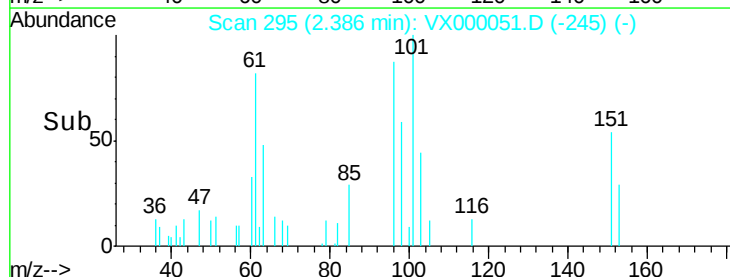
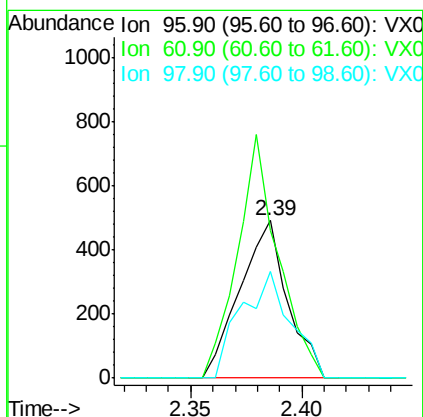
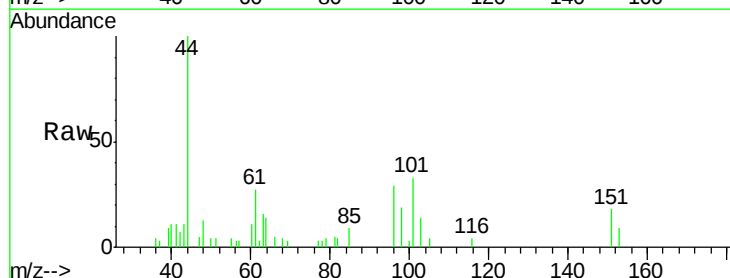
Instrument :  
ClientSampled :  
MDL01 0.5PPB

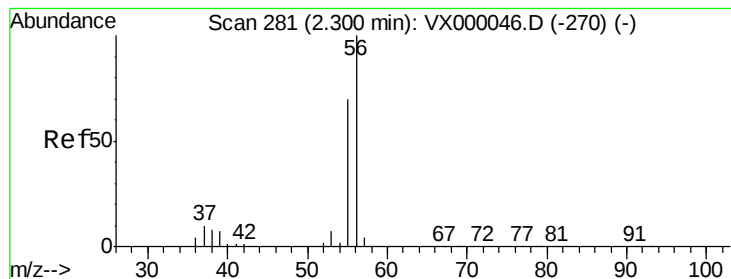
Tgt Ion: 59 Resp: 1625  
Ion Ratio Lower Upper  
59 100  
57 10.0 8.4 12.6



#12  
1,1-Dichloroethene  
Concen: 0.58 ug/l  
RT: 2.39 min Scan# 295  
Delta R.T. 0.01 min  
Lab File: VX000051.D  
Acq: 09 Feb 2018 19:23

Tgt Ion: 96 Resp: 732  
Ion Ratio Lower Upper  
96 100  
61 93.5 120.3 180.5#  
98 67.7 51.0 76.4





#13

Acrolein

Concen: 4.21 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX000051.D

Acq: 09 Feb 2018 19:23

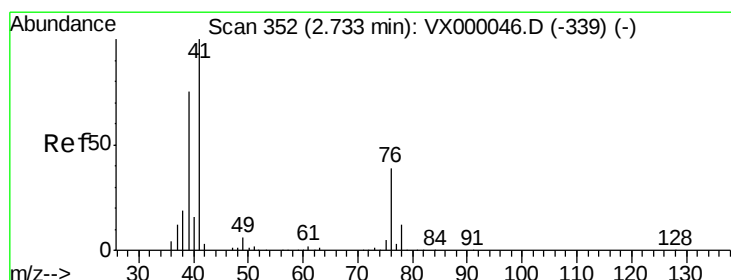
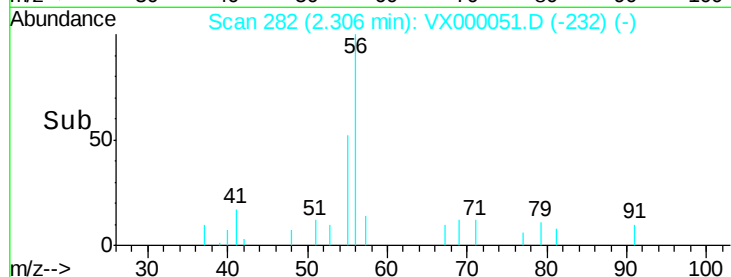
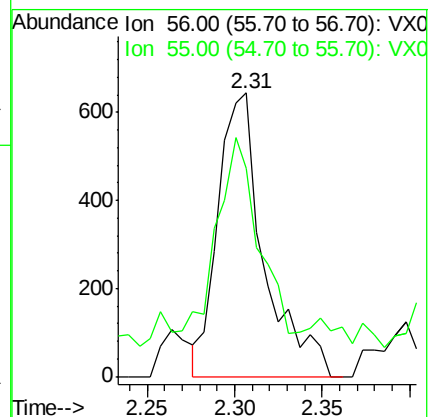
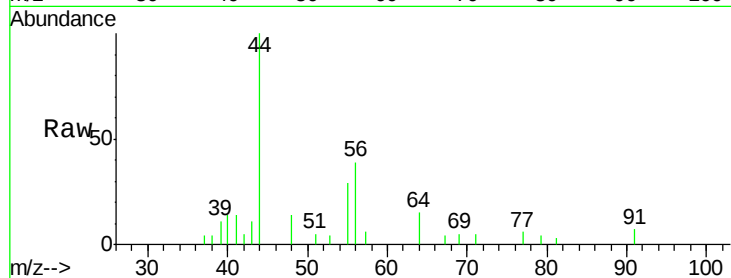
Instrument :  
ClientSampled :  
MDL01 0.5PPB

Tgt Ion: 56 Resp: 1181

Ion Ratio Lower Upper

56 100

55 61.5 56.4 84.6



#14

Allyl chloride

Concen: 0.63 ug/l

RT: 2.73 min Scan# 352

Delta R.T. -0.00 min

Lab File: VX000051.D

Acq: 09 Feb 2018 19:23

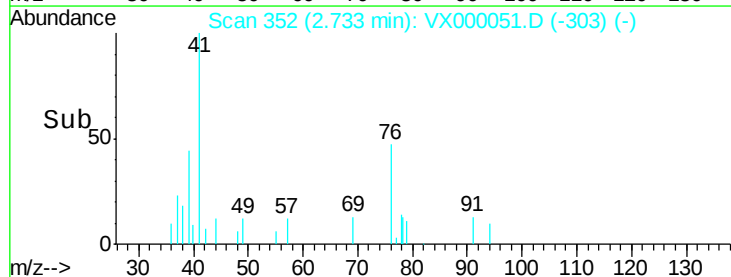
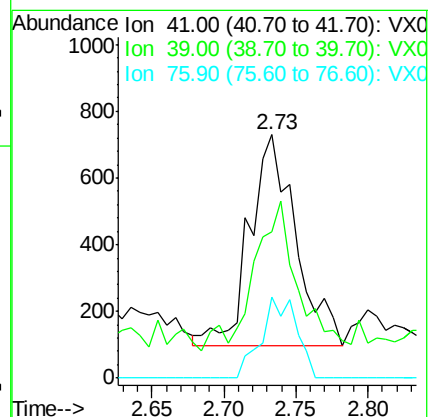
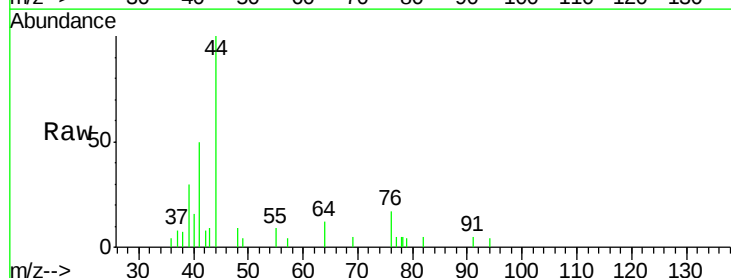
Tgt Ion: 41 Resp: 1396

Ion Ratio Lower Upper

41 100

39 57.1 55.8 83.6

76 29.7 28.7 43.1





#15

Acrylonitrile

Concen: 2.95 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX000051.D

Acq: 09 Feb 2018 19:23

Instrument :

ClientSampled :

MDL01 0.5PPB

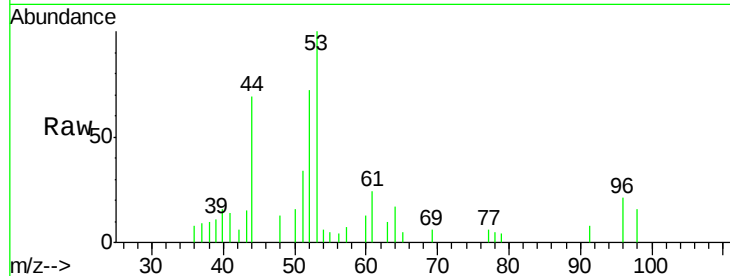
Tgt Ion: 53 Resp: 2804

Ion Ratio Lower Upper

53 100

52 73.6 66.5 99.7

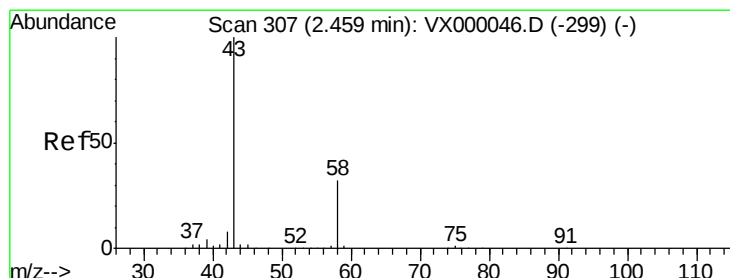
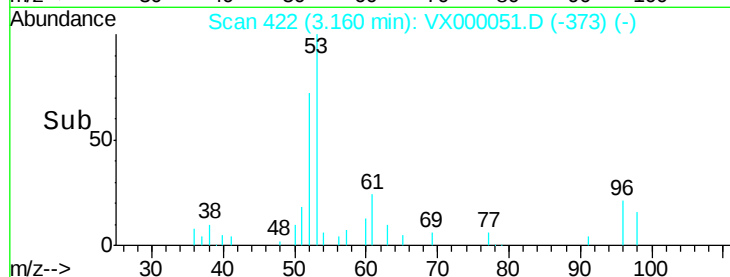
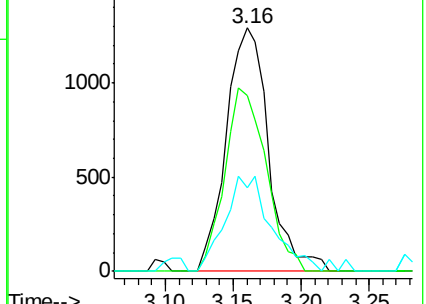
51 42.7 29.1 43.7



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 4.13 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.01 min

Lab File: VX000051.D

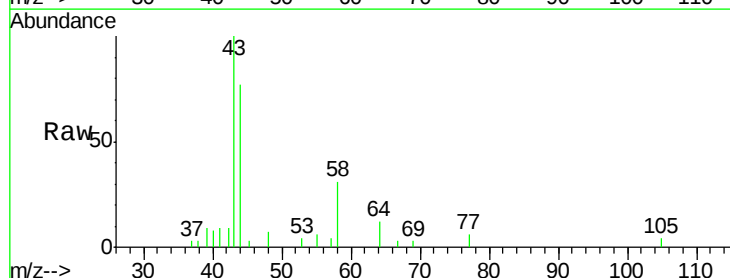
Acq: 09 Feb 2018 19:23

Tgt Ion: 43 Resp: 3335

Ion Ratio Lower Upper

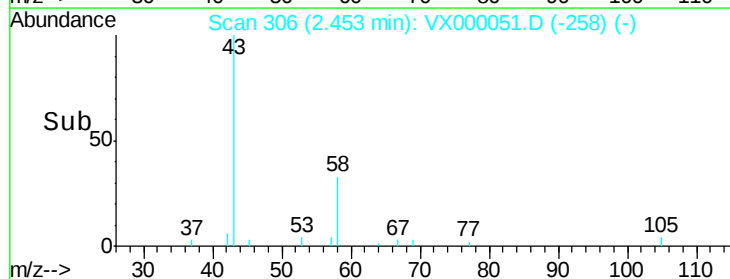
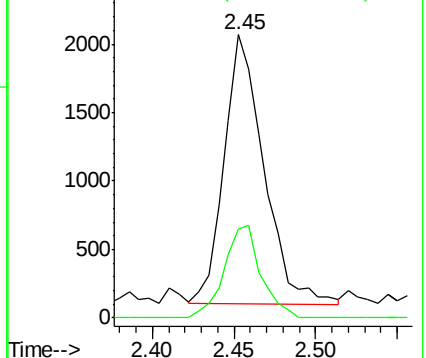
43 100

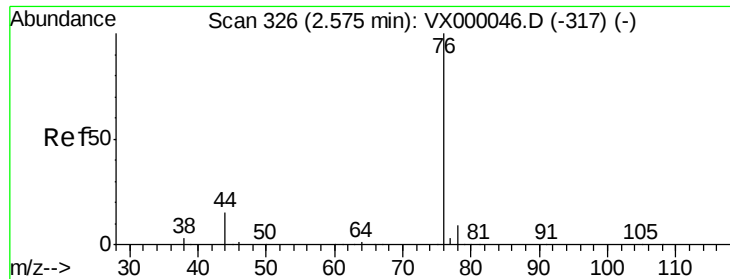
58 33.0 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.80 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX000051.D

Acq: 09 Feb 2018 19:23

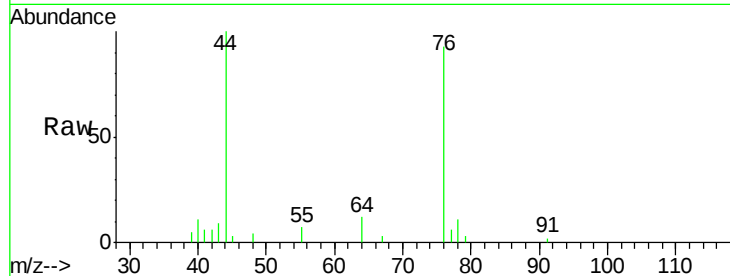
Instrument :  
ClientSampled :  
MDL01 0.5PPB

Tgt Ion: 76 Resp: 2958

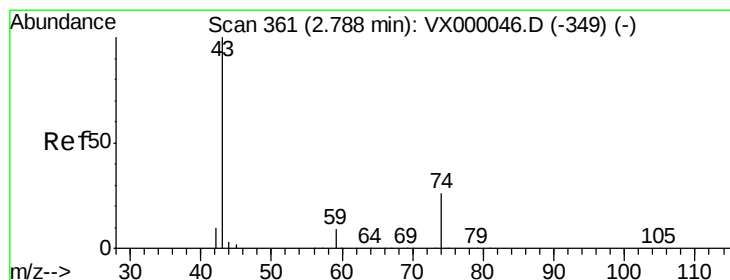
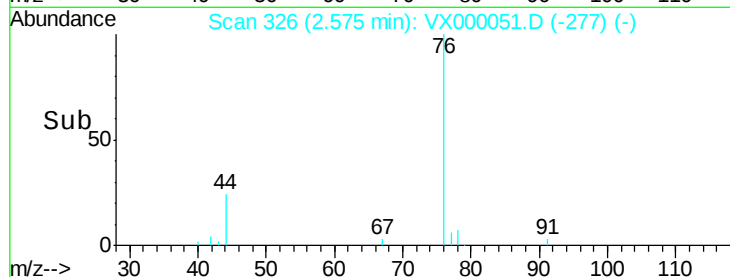
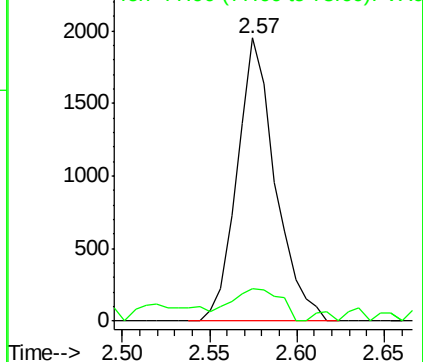
Ion Ratio Lower Upper

76 100

78 11.3 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0  
Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.73 ug/l

RT: 2.79 min Scan# 362

Delta R.T. 0.01 min

Lab File: VX000051.D

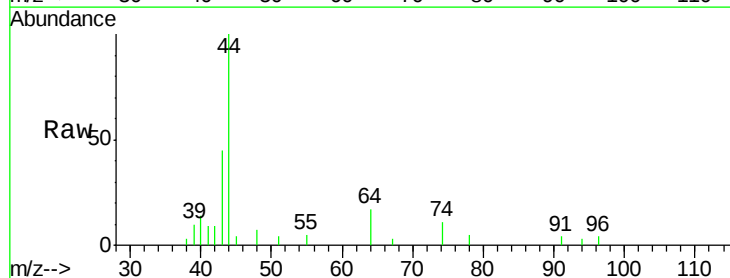
Acq: 09 Feb 2018 19:23

Tgt Ion: 43 Resp: 1495

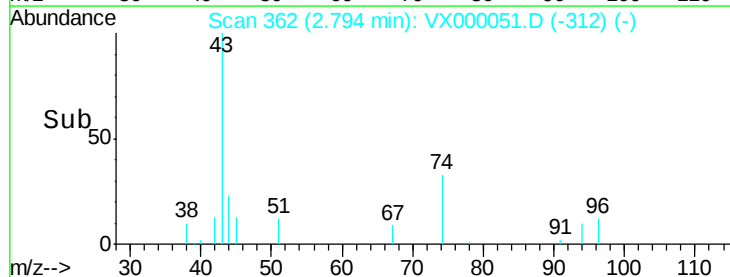
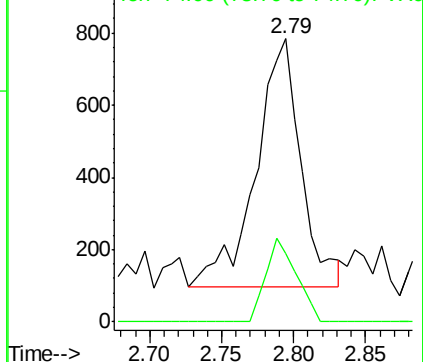
Ion Ratio Lower Upper

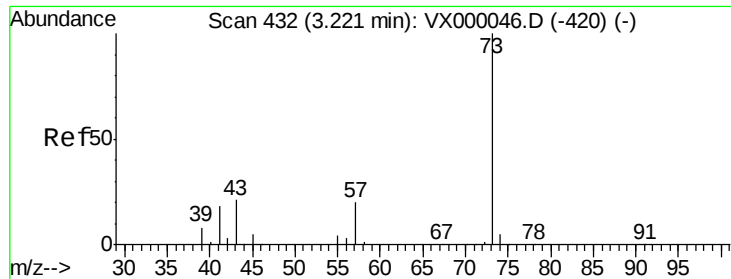
43 100

74 22.7 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VX0  
Ion 74.00 (73.70 to 74.70): VX0

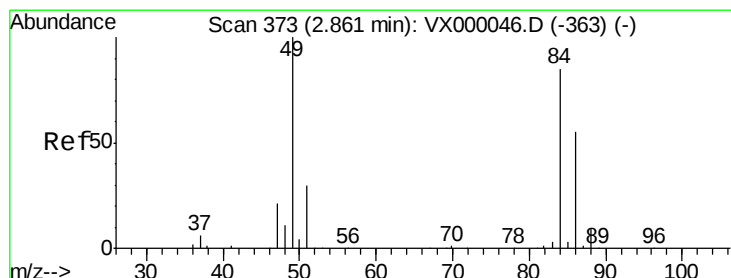
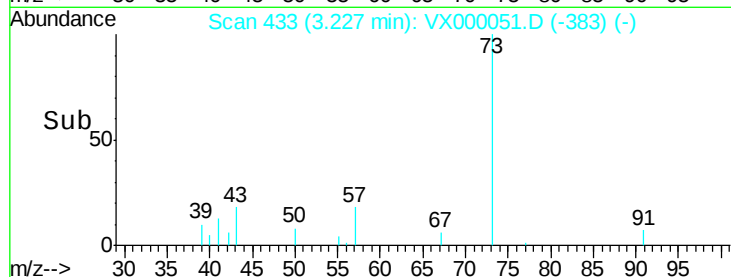
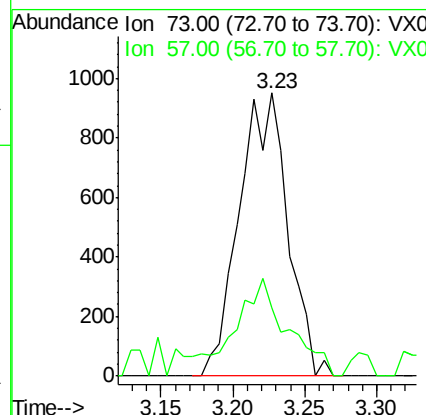
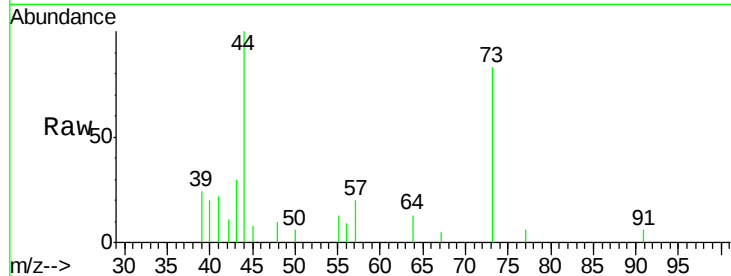




#19  
Methyl tert-butyl Ether  
Concen: 0.51 ug/l  
RT: 3.23 min Scan# 433  
Delta R.T. 0.01 min  
Lab File: VX000051.D  
Acq: 09 Feb 2018 19:23

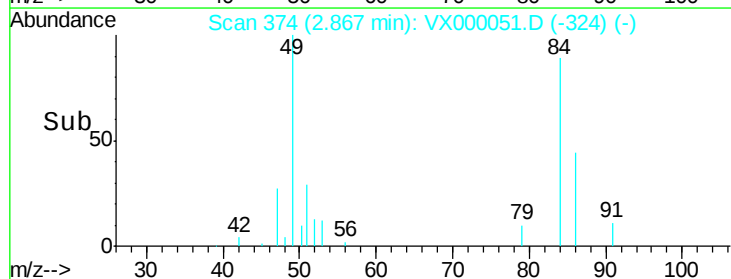
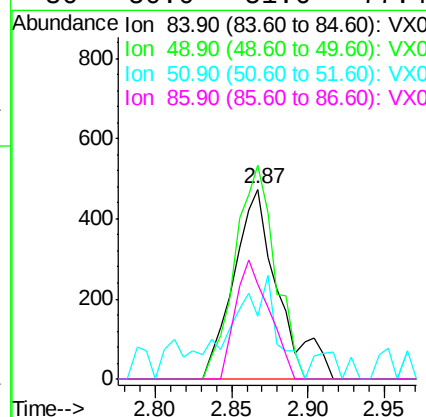
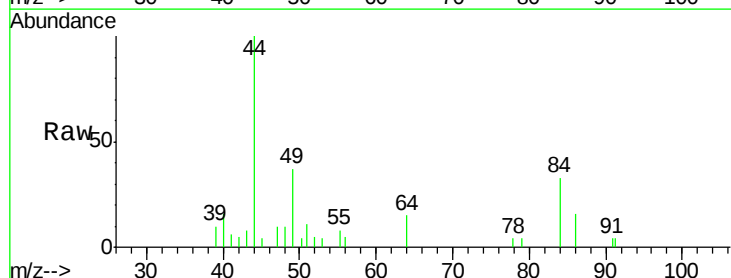
Instrument :  
ClientSampled :  
MDL01 0.5PPB

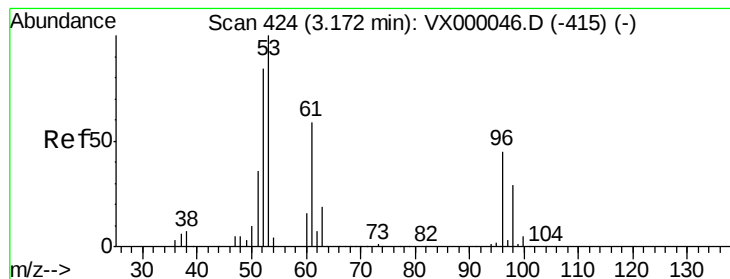
Tgt Ion: 73 Resp: 2224  
Ion Ratio Lower Upper  
73 100  
57 24.2 16.2 24.4



#20  
Methylene Chloride  
Concen: 0.72 ug/l  
RT: 2.87 min Scan# 374  
Delta R.T. 0.01 min  
Lab File: VX000051.D  
Acq: 09 Feb 2018 19:23

Tgt Ion: 84 Resp: 968  
Ion Ratio Lower Upper  
84 100  
49 112.7 94.4 141.6  
51 32.9 28.3 42.5  
86 50.0 51.6 77.4#





#21

trans-1,2-Dichloroethene

Concen: 0.67 ug/l

RT: 3.17 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX000051.D

Acq: 09 Feb 2018 19:23

Instrument :  
ClientSampleId :  
MDL01 0.5PPB

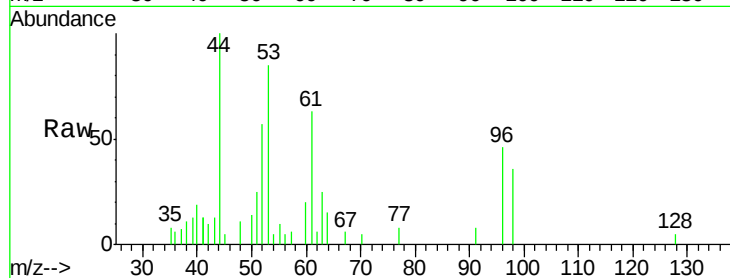
Tgt Ion: 96 Resp: 910

Ion Ratio Lower Upper

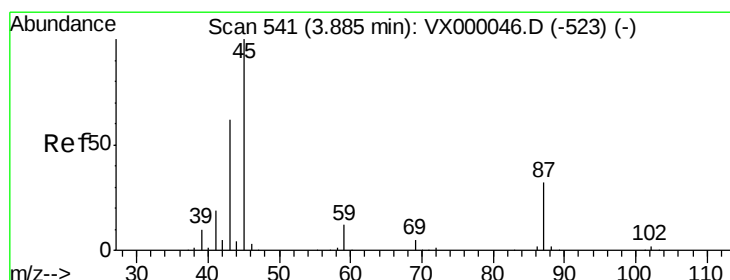
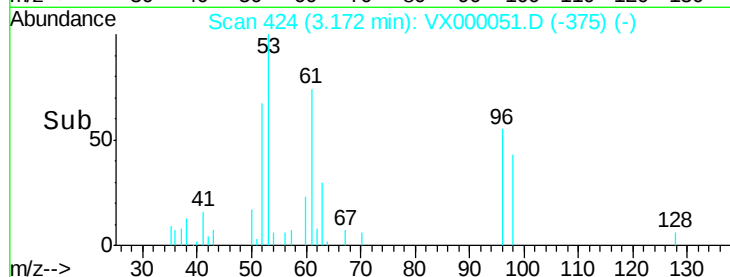
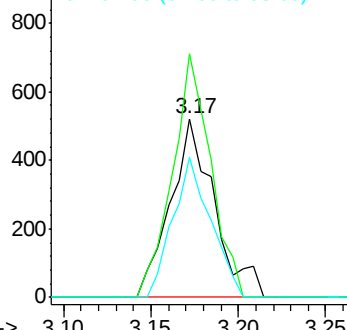
96 100

61 136.2 104.9 157.3

98 78.2 52.4 78.6



Abundance Ion 95.90 (95.60 to 96.60): VX0  
Ion 60.90 (60.60 to 61.60): VX0  
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 0.47 ug/l

RT: 3.89 min Scan# 541

Delta R.T. -0.00 min

Lab File: VX000051.D

Acq: 09 Feb 2018 19:23

Tgt Ion: 45 Resp: 1702

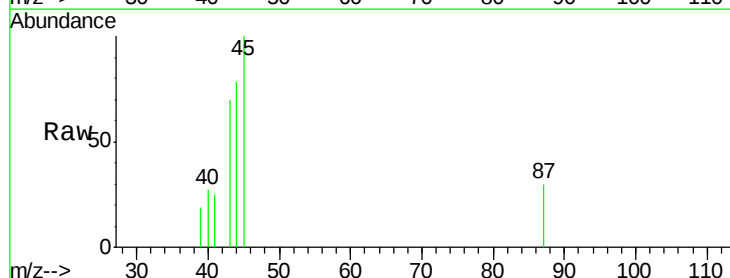
Ion Ratio Lower Upper

45 100

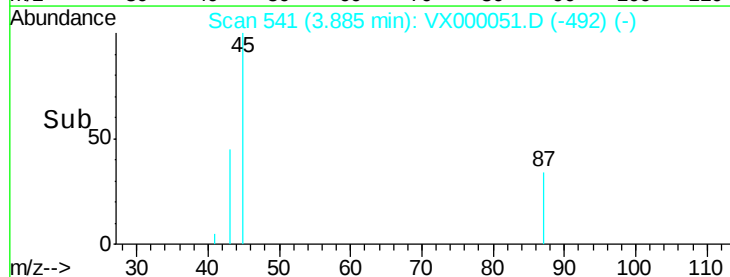
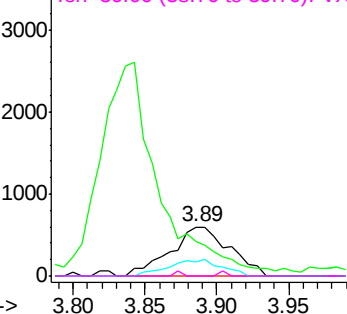
43 60.4 49.6 74.4

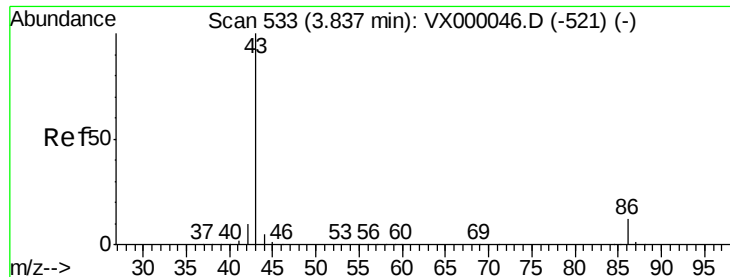
87 29.6 25.9 38.9

59 0.0 9.2 13.8#



Abundance Ion 45.00 (44.70 to 45.70): VX0  
Ion 43.00 (42.70 to 43.70): VX0  
Ion 87.00 (86.70 to 87.70): VX0  
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 2.15 ug/l

RT: 3.84 min Scan# 534

Delta R.T. 0.01 min

Lab File: VX000051.D

Acq: 09 Feb 2018 19:23

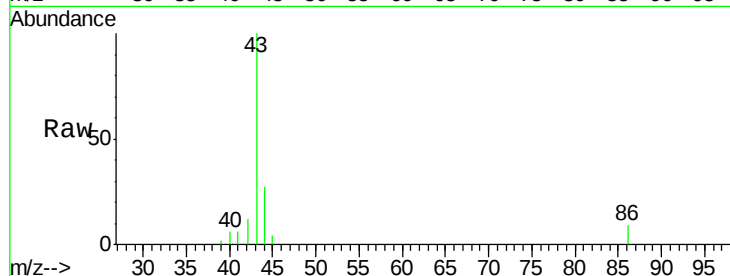
Instrument :  
ClientSampled :  
MDL01 0.5PPB

Tgt Ion: 43 Resp: 7097

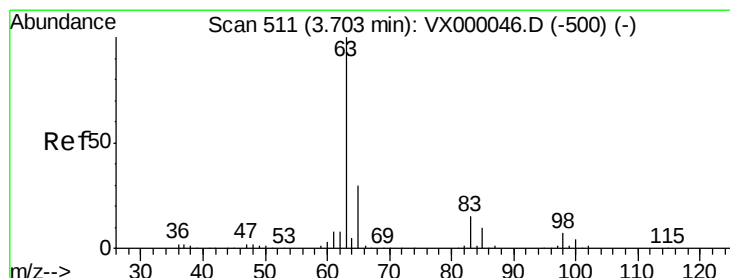
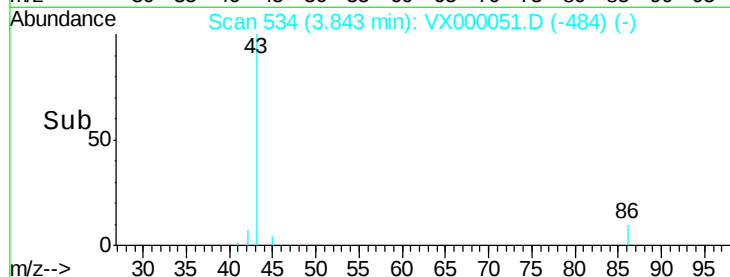
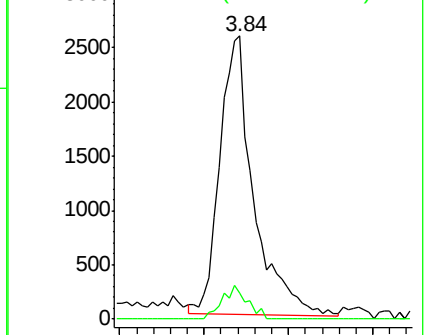
Ion Ratio Lower Upper

43 100

86 9.4 9.3 13.9



Abundance Ion 43.00 (42.70 to 43.70): VX0  
Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 0.54 ug/l

RT: 3.71 min Scan# 512

Delta R.T. 0.01 min

Lab File: VX000051.D

Acq: 09 Feb 2018 19:23

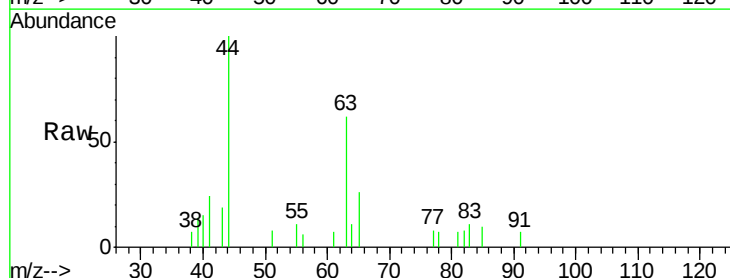
Tgt Ion: 63 Resp: 1226

Ion Ratio Lower Upper

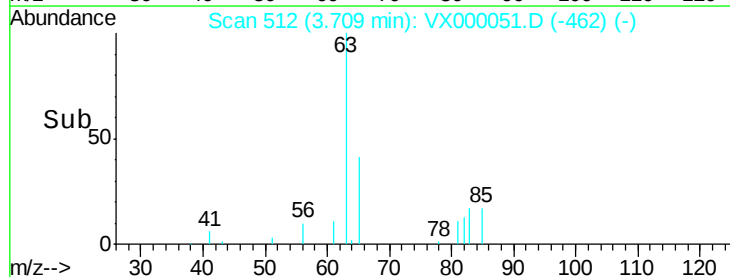
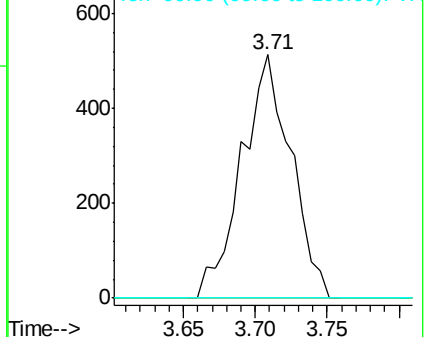
63 100

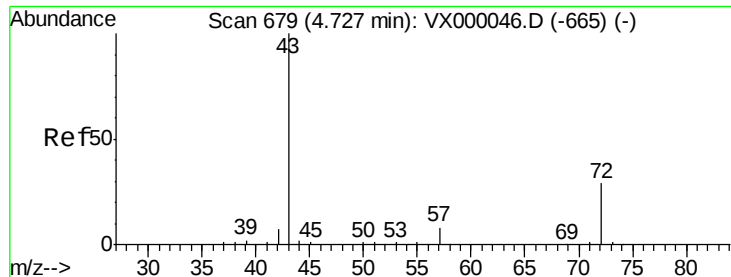
98 0.0 3.3 9.9#

100 0.0 2.1 6.2#



Abundance Ion 62.90 (62.60 to 63.60): VX0  
Ion 97.90 (97.60 to 98.60): VX0  
Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 2.98 ug/l

RT: 4.73 min Scan# 679

Delta R.T. -0.00 min

Lab File: VX000051.D

Acq: 09 Feb 2018 19:23

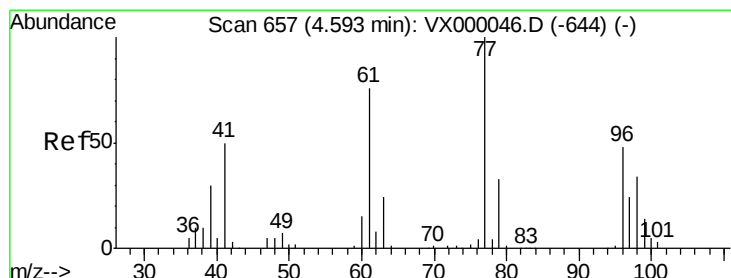
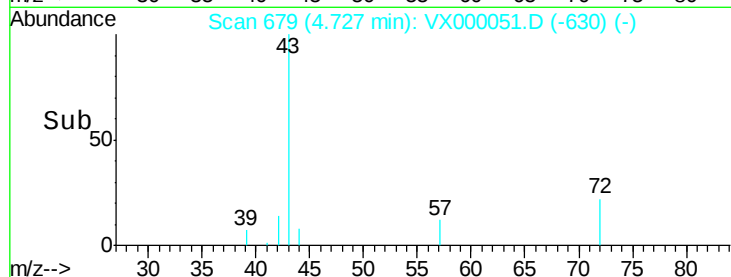
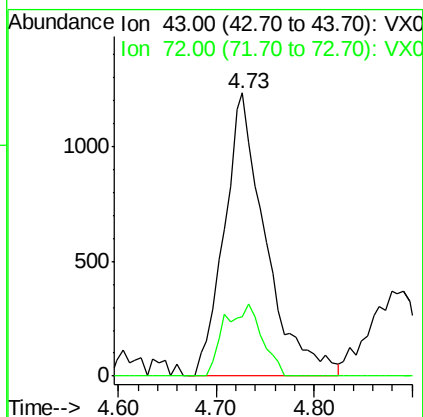
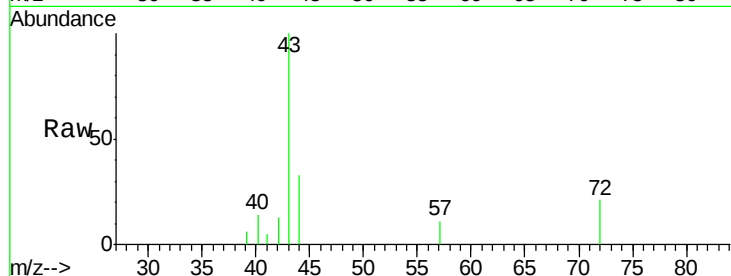
Instrument :  
ClientSampled :  
MDL01 0.5PPB

Tgt Ion: 43 Resp: 3634

Ion Ratio Lower Upper

43 100

72 20.9 23.0 34.6#



#26

2,2-Dichloropropane

Concen: 0.54 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX000051.D

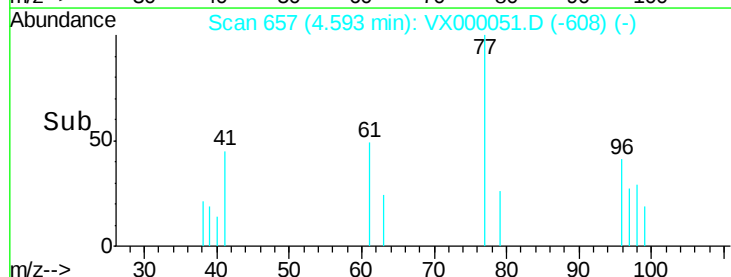
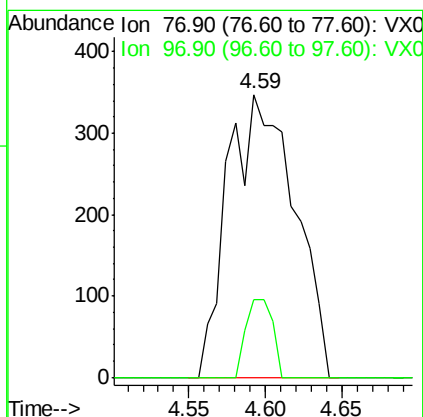
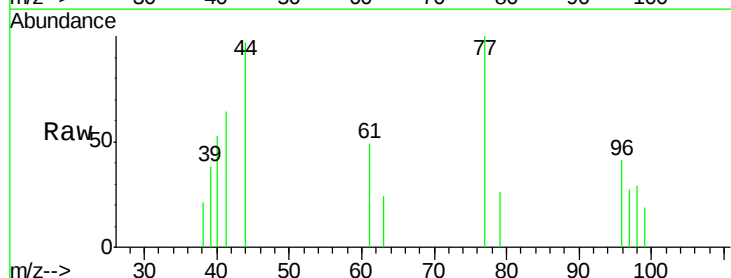
Acq: 09 Feb 2018 19:23

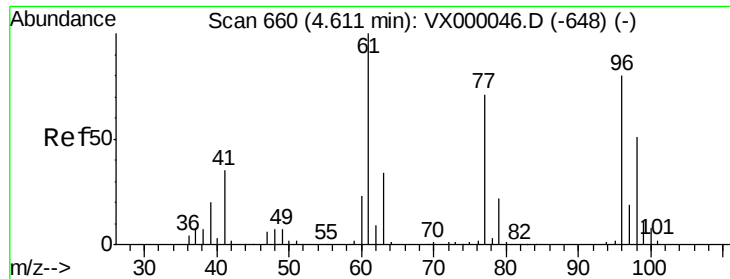
Tgt Ion: 77 Resp: 1056

Ion Ratio Lower Upper

77 100

97 11.0 11.8 35.4#



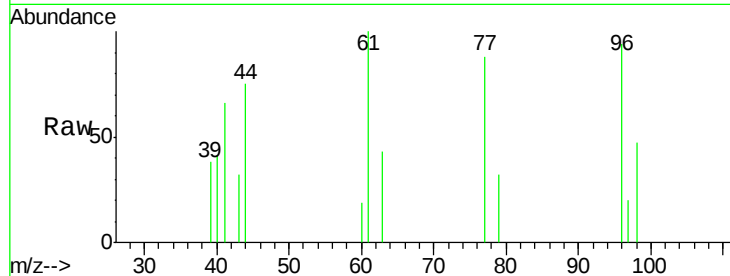


#27

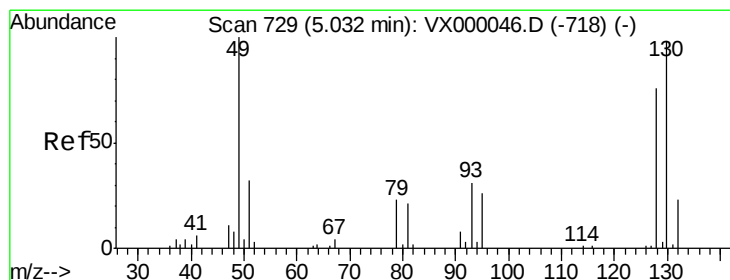
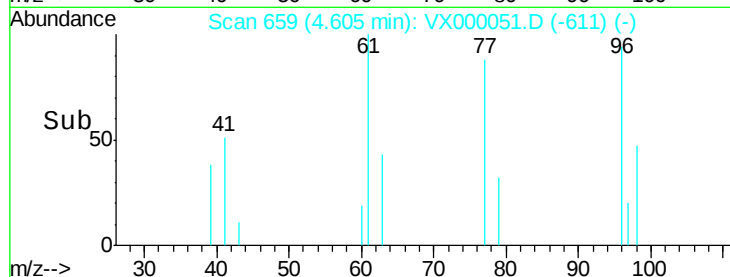
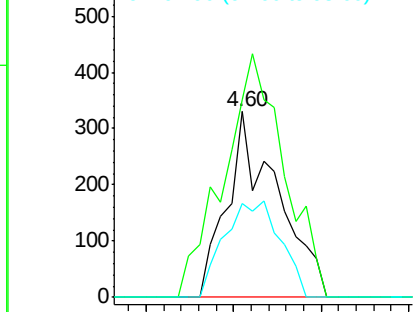
cis-1,2-Dichloroethene  
Concen: 0.50 ug/l  
RT: 4.60 min Scan# 659  
Delta R.T. -0.01 min  
Lab File: VX000051.D  
Acq: 09 Feb 2018 19:23

Instrument :  
ClientSampled :  
MDL01 0.5PPB

Tgt Ion: 96 Resp: 662  
Ion Ratio Lower Upper  
96 100  
61 157.6 0.0 274.4  
98 57.4 0.0 132.4



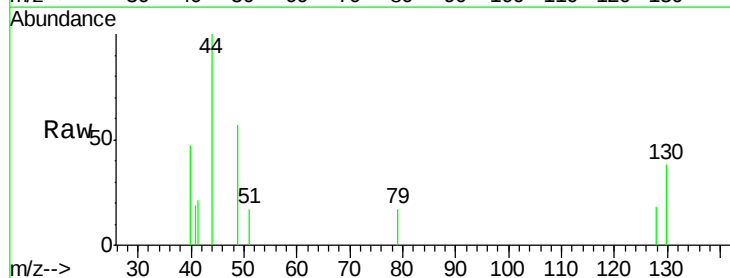
Abundance Ion 95.90 (95.60 to 96.60): VX0  
Ion 60.90 (60.60 to 61.60): VX0  
Ion 97.90 (97.60 to 98.60): VX0



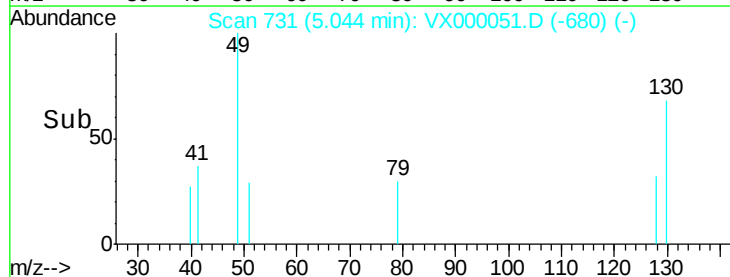
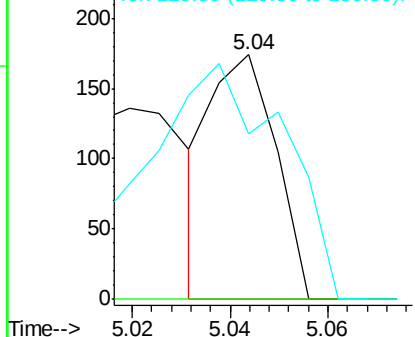
#28

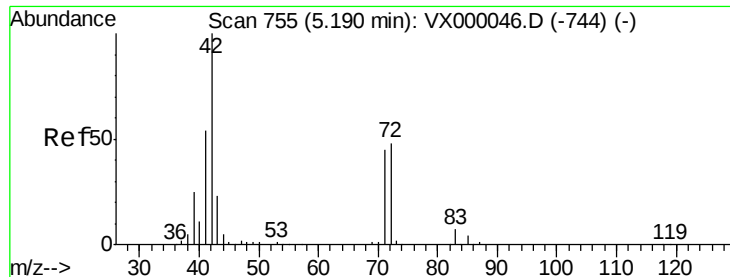
Bromochloromethane  
Concen: 0.21 ug/l  
RT: 5.04 min Scan# 731  
Delta R.T. 0.01 min  
Lab File: VX000051.D  
Acq: 09 Feb 2018 19:23

Tgt Ion: 49 Resp: 158  
Ion Ratio Lower Upper  
49 100  
129 0.0 0.0 5.0  
130 207.6 75.6 113.4#



Abundance Ion 48.90 (48.60 to 49.60): VX0  
Ion 128.80 (128.50 to 129.50): V  
Ion 129.80 (129.50 to 130.50): V

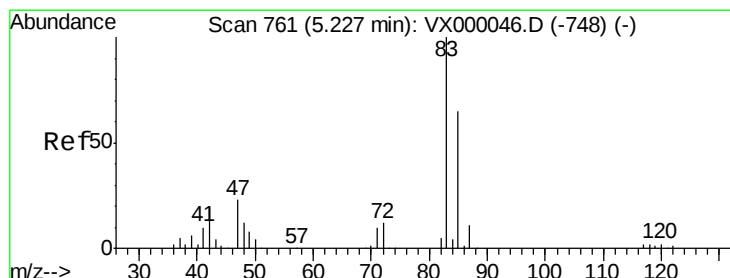
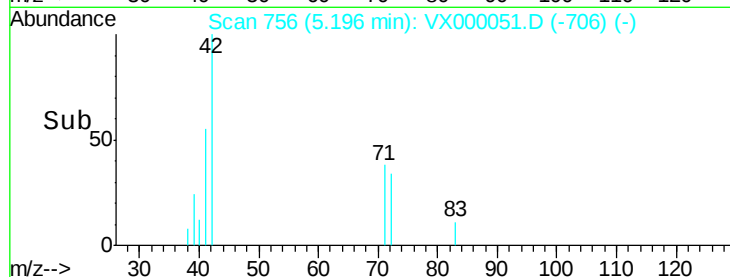
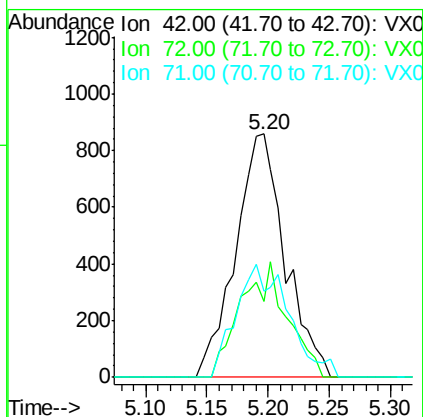
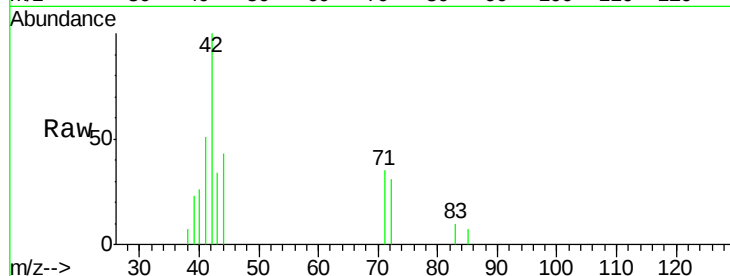




#29  
Tetrahydrofuran  
Concen: 2.91 ug/l  
RT: 5.20 min Scan# 756  
Delta R.T. 0.01 min  
Lab File: VX000051.D  
Acq: 09 Feb 2018 19:23

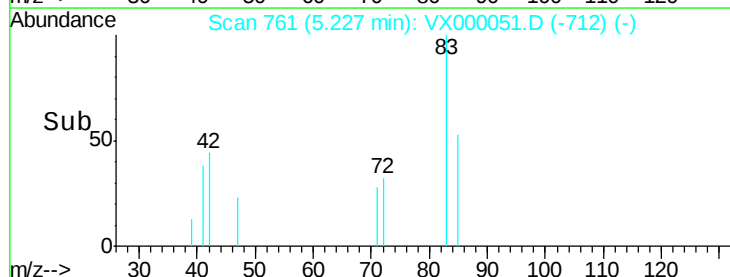
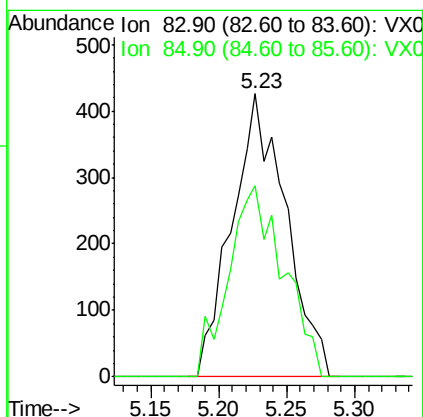
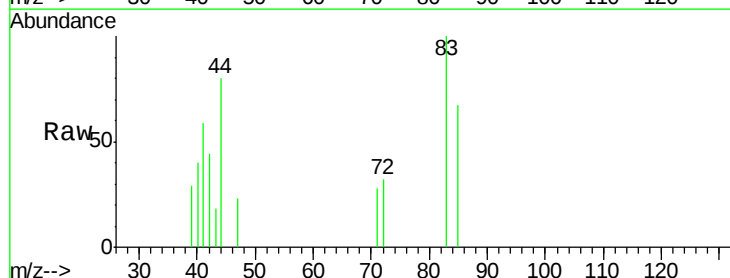
Instrument :  
ClientSampled :  
MDL01 0.5PPB

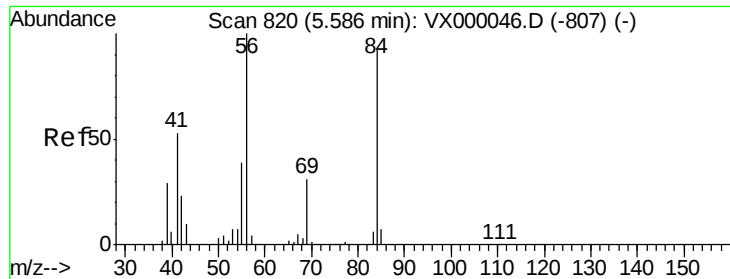
Tgt Ion: 42 Resp: 2428  
Ion Ratio Lower Upper  
42 100  
72 23.8 39.0 58.6#  
71 48.8 36.7 55.1



#30  
Chloroform  
Concen: 0.51 ug/l  
RT: 5.23 min Scan# 761  
Delta R.T. -0.00 min  
Lab File: VX000051.D  
Acq: 09 Feb 2018 19:23

Tgt Ion: 83 Resp: 1173  
Ion Ratio Lower Upper  
83 100  
85 67.4 51.9 77.9

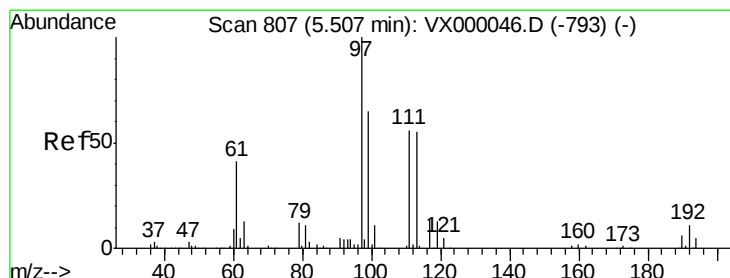
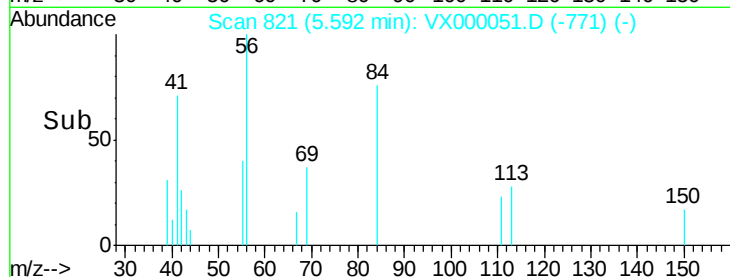
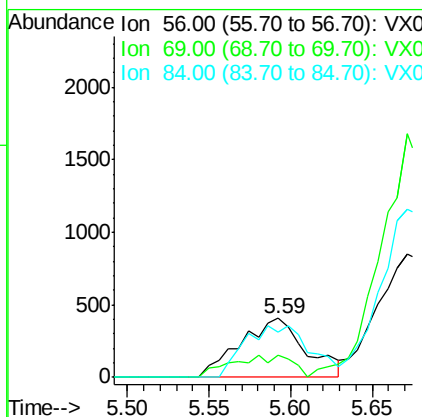
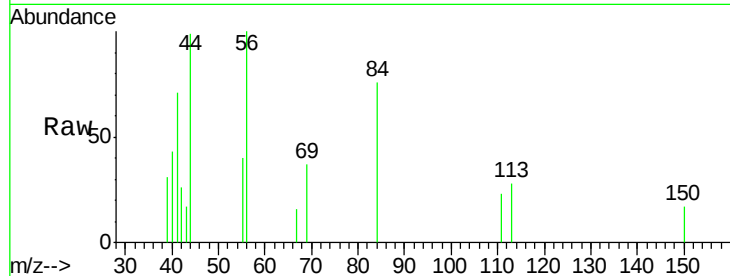




#31  
Cyclohexane  
Concen: 0.61 ug/l  
RT: 5.59 min Scan# 821  
Delta R.T. 0.01 min  
Lab File: VX000051.D  
Acq: 09 Feb 2018 19:23

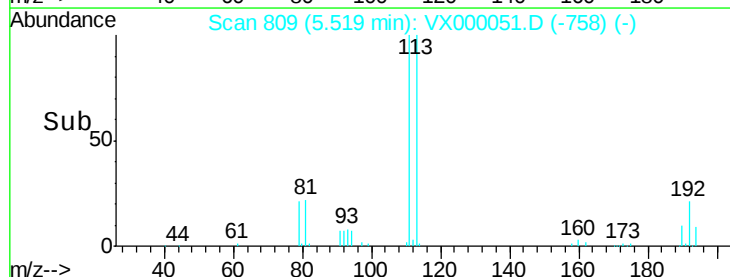
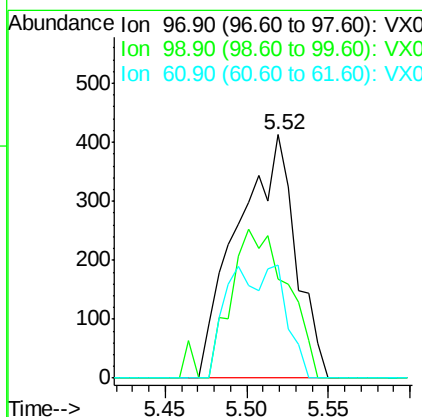
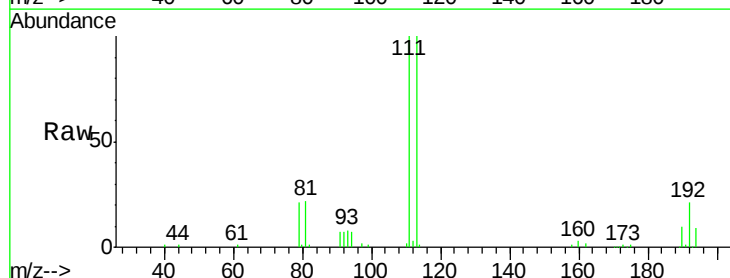
Instrument :  
ClientSampled :  
MDL01 0.5PPB

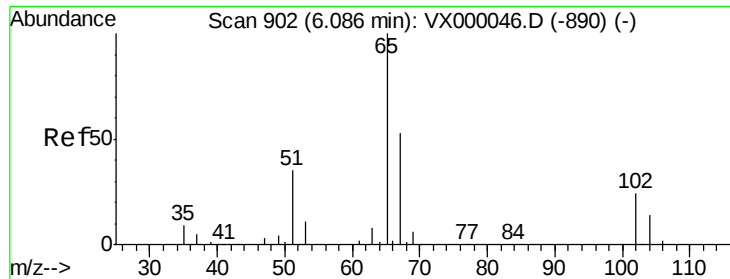
Tgt Ion: 56 Resp: 1134  
Ion Ratio Lower Upper  
56 100  
69 36.9 24.5 36.7#  
84 75.9 74.8 112.2



#32  
1,1,1-Trichloroethane  
Concen: 0.47 ug/l  
RT: 5.52 min Scan# 809  
Delta R.T. 0.01 min  
Lab File: VX000051.D  
Acq: 09 Feb 2018 19:23

Tgt Ion: 97 Resp: 1021  
Ion Ratio Lower Upper  
97 100  
99 0.0 50.8 76.2#  
61 0.0 32.1 48.1#





#33

1,2-Dichloroethane-d4

Concen: 52.08 ug/l

RT: 6.08 min Scan# 901

Delta R.T. -0.01 min

Lab File: VX000051.D

Acq: 09 Feb 2018 19:23

Instrument :

ClientSampled :

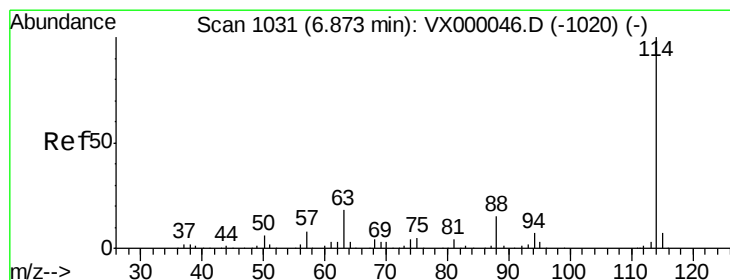
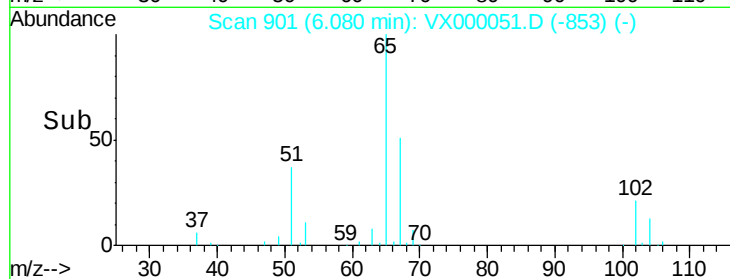
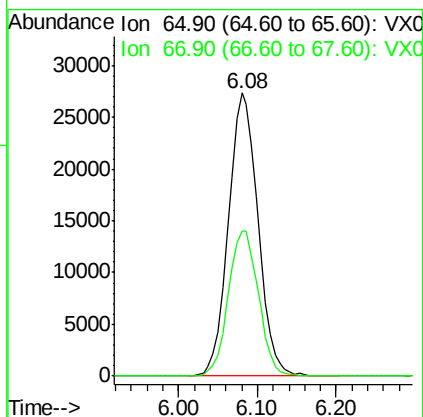
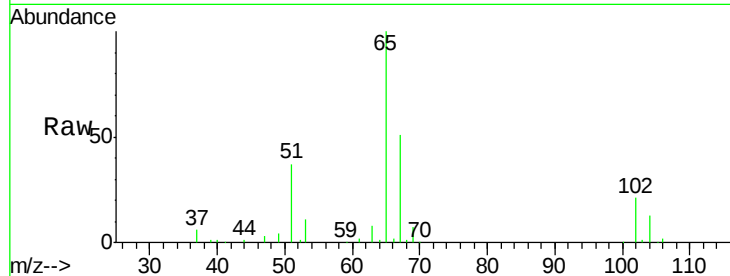
MDL01 0.5PPB

Tgt Ion: 65 Resp: 71075

Ion Ratio Lower Upper

65 100

67 52.3 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VX000051.D

Acq: 09 Feb 2018 19:23

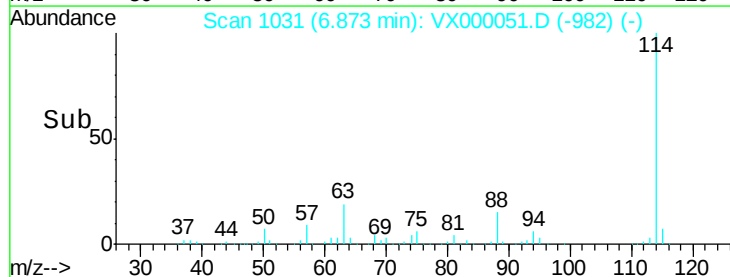
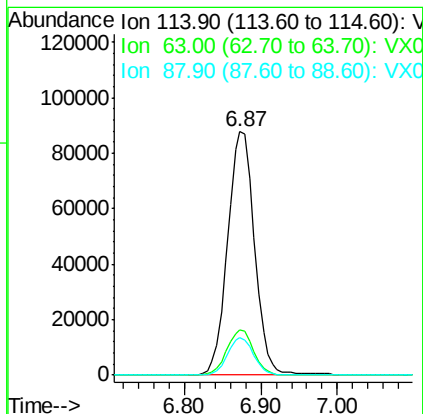
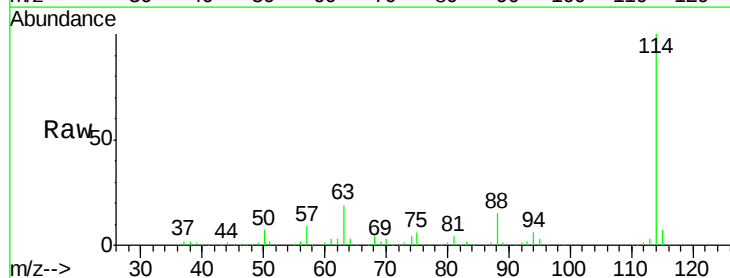
Tgt Ion: 114 Resp: 214246

Ion Ratio Lower Upper

114 100

63 18.7 0.0 36.0

88 15.5 0.0 30.4

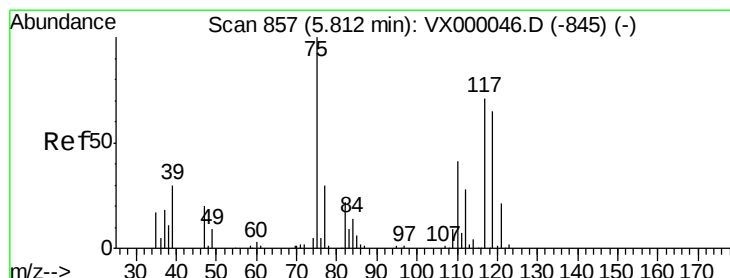
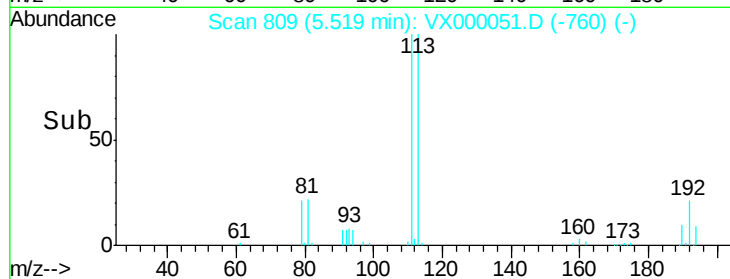
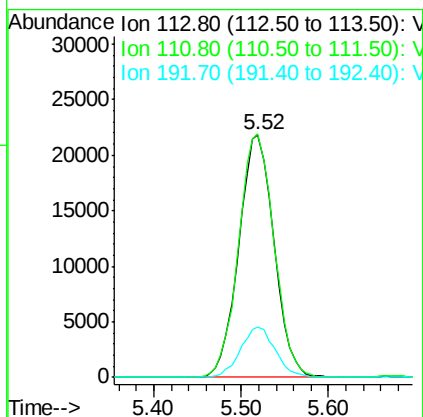
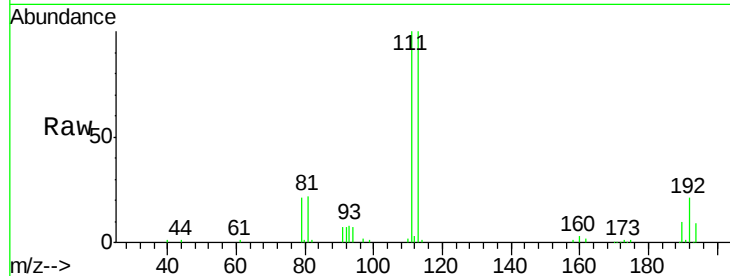




#35  
 Dibromofluoromethane  
 Concen: 48.79 ug/l  
 RT: 5.52 min Scan# 809  
 Delta R.T. -0.00 min  
 Lab File: VX000051.D  
 Acq: 09 Feb 2018 19:23

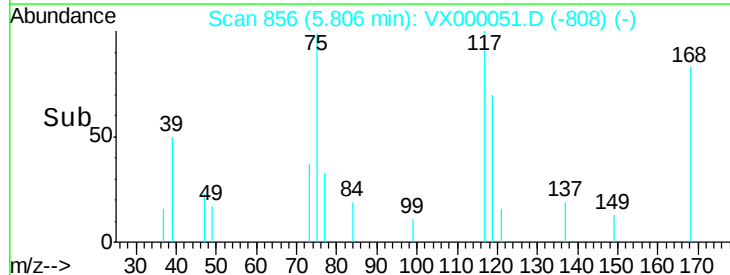
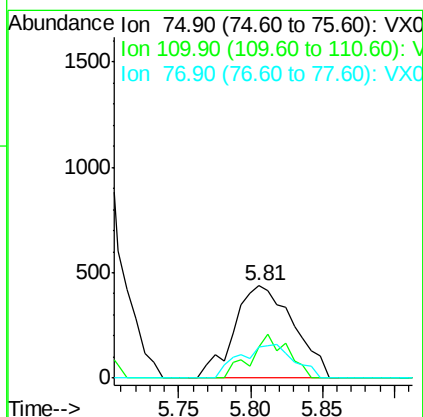
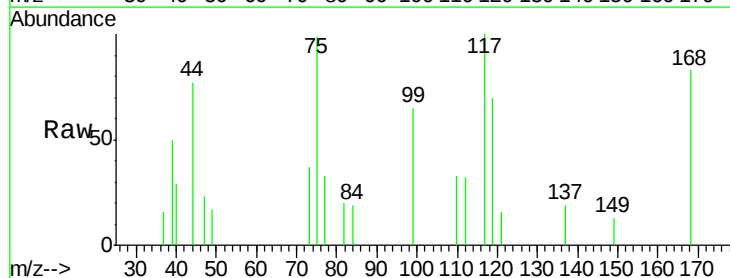
Instrument :  
 ClientSampleId :  
 MDL01 0.5PPB

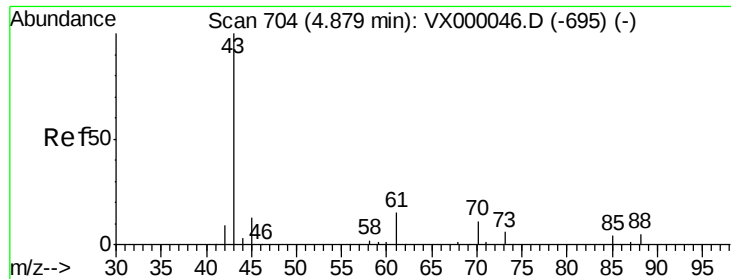
Tgt Ion:113 Resp: 61033  
 Ion Ratio Lower Upper  
 113 100  
 111 101.3 80.5 120.7  
 192 20.5 16.9 25.3



#36  
 1,1-Dichloropropene  
 Concen: 0.67 ug/l  
 RT: 5.81 min Scan# 856  
 Delta R.T. -0.01 min  
 Lab File: VX000051.D  
 Acq: 09 Feb 2018 19:23

Tgt Ion: 75 Resp: 1254  
 Ion Ratio Lower Upper  
 75 100  
 110 29.4 19.4 58.4  
 77 33.3 24.2 36.4

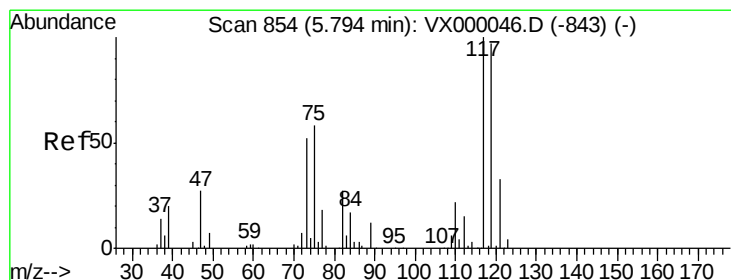
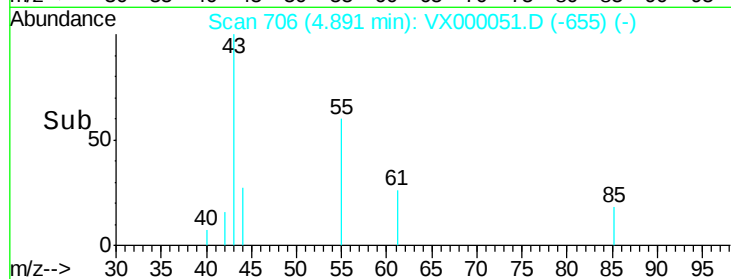
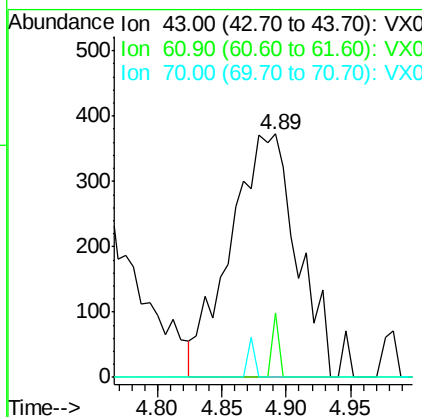
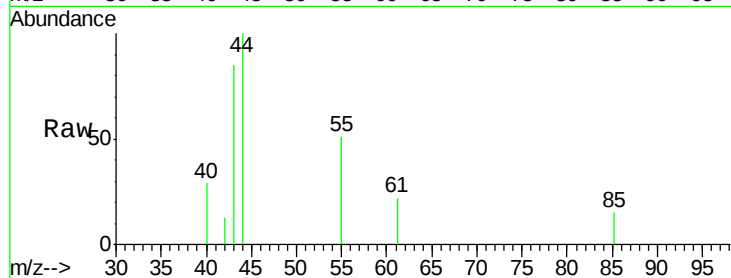




#37  
Ethyl Acetate  
Concen: 0.56 ug/l  
RT: 4.89 min Scan# 706  
Delta R.T. 0.01 min  
Lab File: VX000051.D  
Acq: 09 Feb 2018 19:23

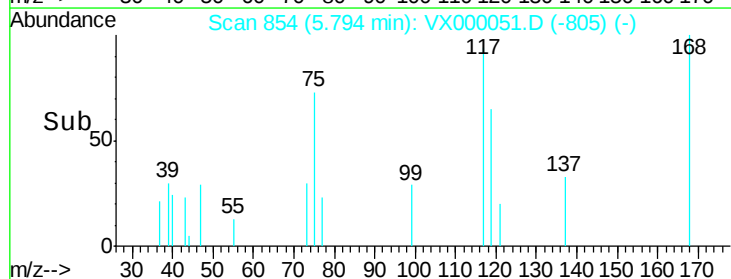
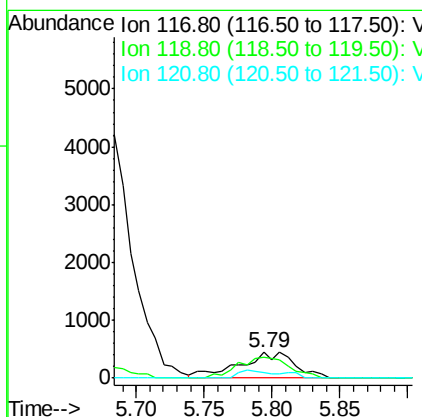
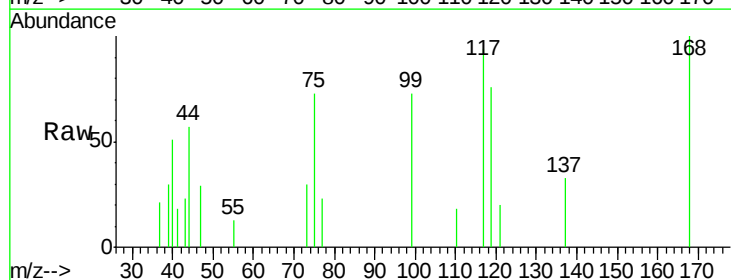
Instrument :  
ClientSampled :  
MDL01 0.5PPB

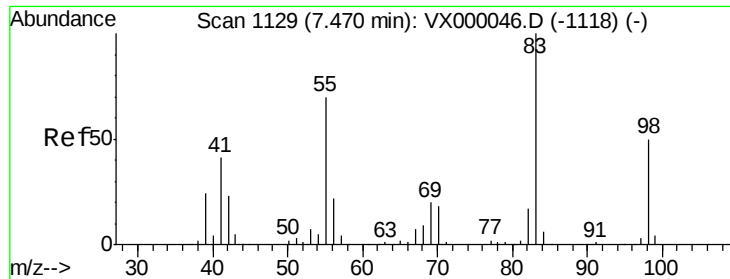
Tgt Ion: 43 Resp: 1339  
Ion Ratio Lower Upper  
43 100  
61 2.7 11.4 17.2#  
70 1.6 9.0 13.6#



#38  
Carbon Tetrachloride  
Concen: 0.61 ug/l  
RT: 5.79 min Scan# 854  
Delta R.T. -0.00 min  
Lab File: VX000051.D  
Acq: 09 Feb 2018 19:23

Tgt Ion: 117 Resp: 1273  
Ion Ratio Lower Upper  
117 100  
119 81.1 76.9 115.3  
121 21.6 25.8 38.8#

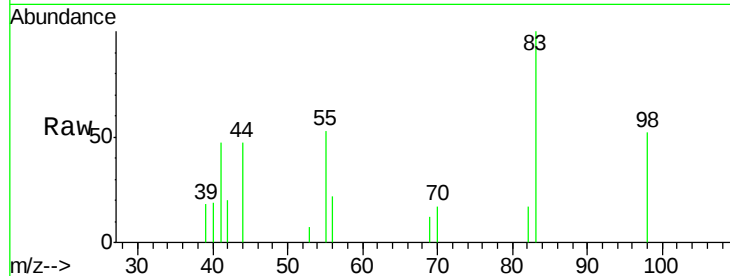




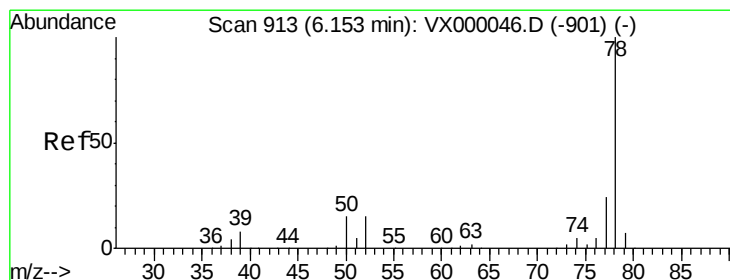
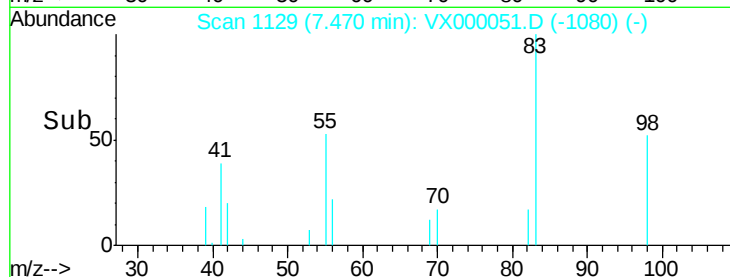
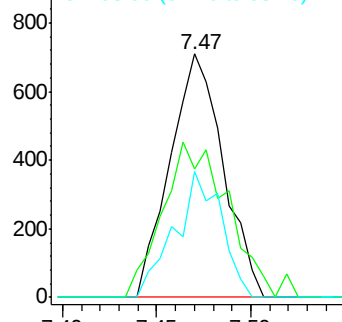
#39  
Methylcyclohexane  
Concen: 0.61 ug/l  
RT: 7.47 min Scan# 1129  
Delta R.T. -0.00 min  
Lab File: VX000051.D  
Acq: 09 Feb 2018 19:23

Instrument :  
ClientSampled :  
MDL01 0.5PPB

Tgt Ion: 83 Resp: 1388  
Ion Ratio Lower Upper  
83 100  
55 52.8 55.7 83.5#  
98 51.8 39.7 59.5

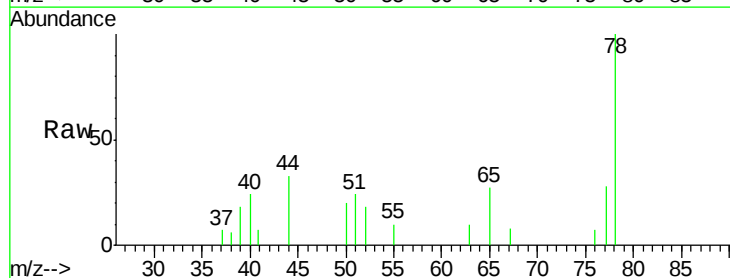


Abundance Ion 83.00 (82.70 to 83.70): VX0  
Ion 55.00 (54.70 to 55.70): VX0  
Ion 98.00 (97.70 to 98.70): VX0

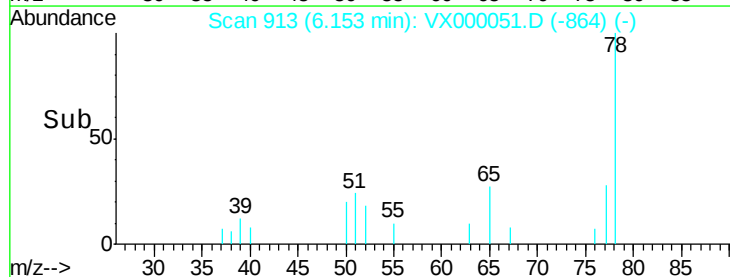
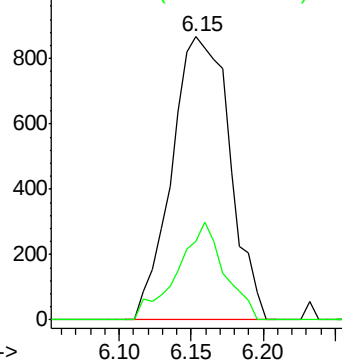


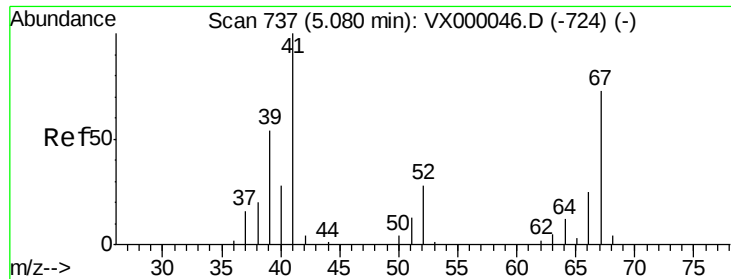
#40  
Benzene  
Concen: 0.46 ug/l  
RT: 6.15 min Scan# 913  
Delta R.T. -0.00 min  
Lab File: VX000051.D  
Acq: 09 Feb 2018 19:23

Tgt Ion: 78 Resp: 2423  
Ion Ratio Lower Upper  
78 100  
77 27.7 19.4 29.2



Abundance Ion 78.00 (77.70 to 78.70): VX0  
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 0.65 ug/l

RT: 5.07 min Scan# 735

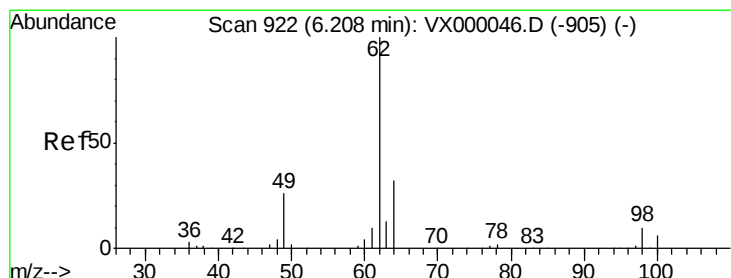
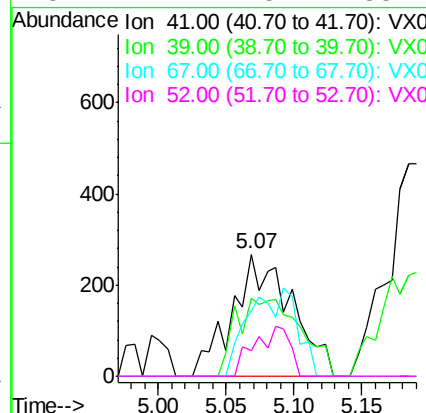
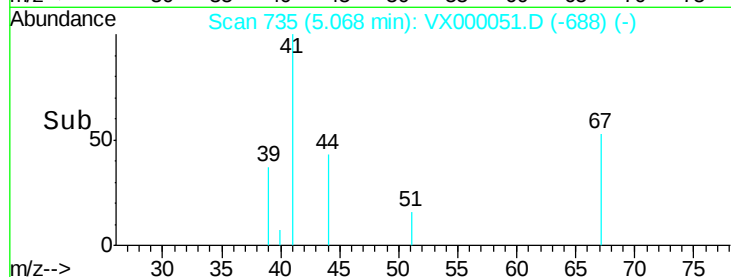
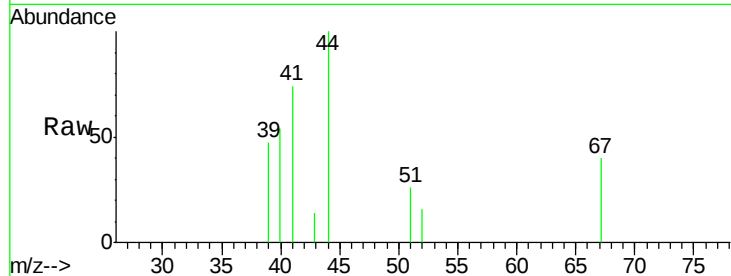
Delta R.T. -0.01 min

Lab File: VX000051.D

Acq: 09 Feb 2018 19:23

Instrument :  
ClientSampled :  
MDL01 0.5PPB

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 807   |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 69.9  | 45.8  | 68.8# |
| 67       | 35.9  | 60.6  | 91.0# |
| 52       | 24.7  | 25.4  | 38.2# |



#42

1,2-Dichloroethane

Concen: 0.49 ug/l

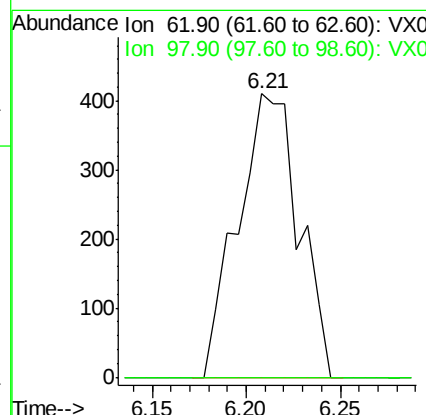
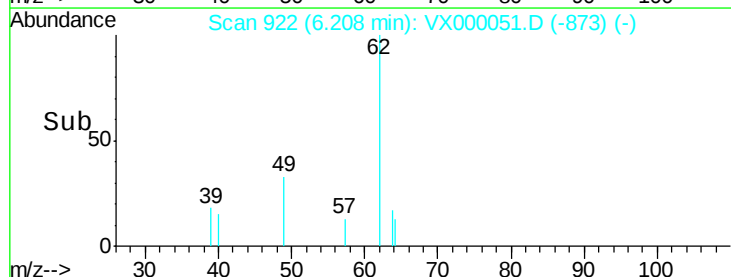
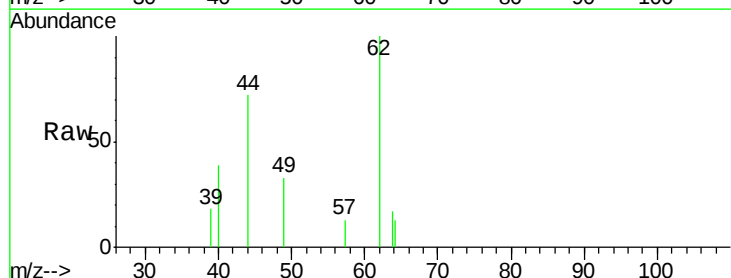
RT: 6.21 min Scan# 922

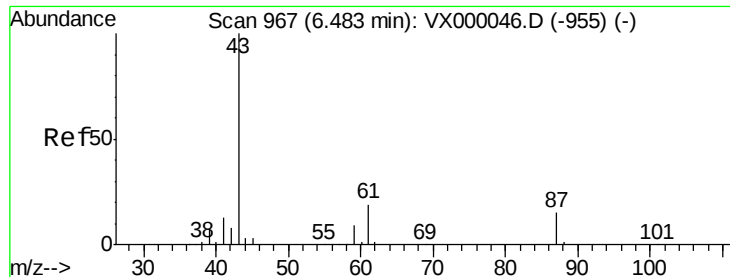
Delta R.T. -0.00 min

Lab File: VX000051.D

Acq: 09 Feb 2018 19:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 921   |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 0.0   | 0.0   | 18.6  |





#43

Isopropyl Acetate

Concen: 0.54 ug/l

RT: 6.48 min Scan# 967

Delta R.T. -0.00 min

Lab File: VX000051.D

Acq: 09 Feb 2018 19:23

Instrument :

ClientSampled :

MDL01 0.5PPB

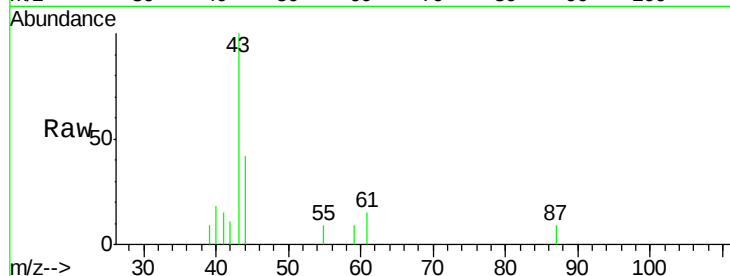
Tgt Ion: 43 Resp: 1951

Ion Ratio Lower Upper

43 100

61 14.0 15.9 23.9#

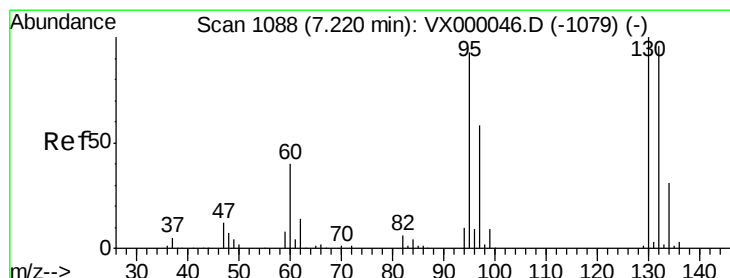
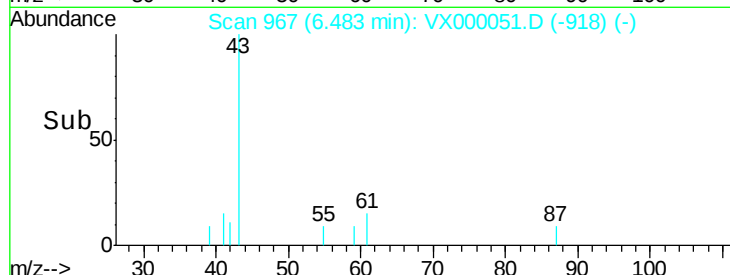
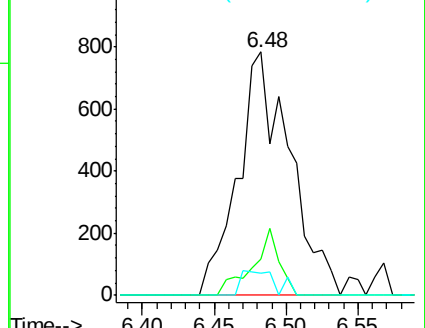
87 6.8 11.8 17.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 0.53 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX000051.D

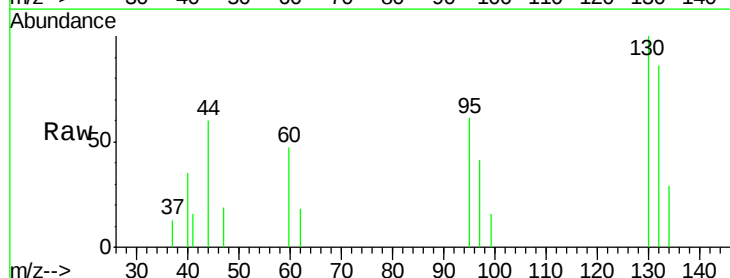
Acq: 09 Feb 2018 19:23

Tgt Ion: 130 Resp: 858

Ion Ratio Lower Upper

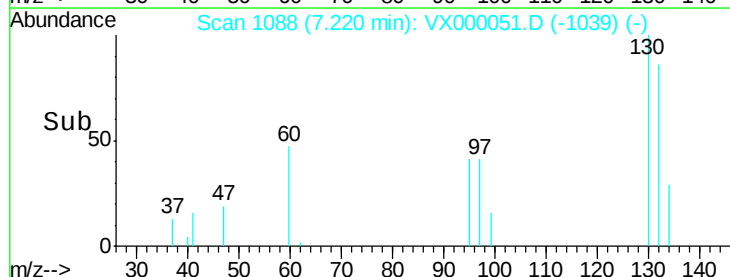
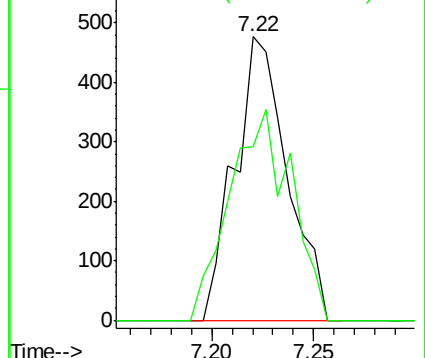
130 100

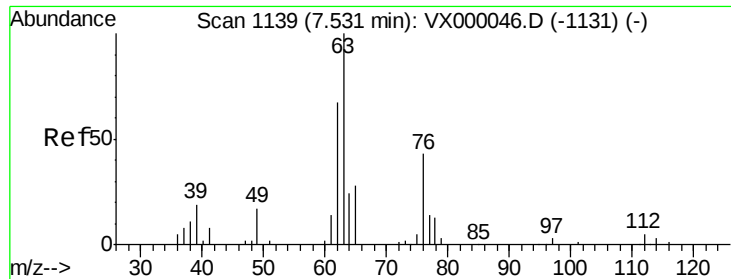
95 61.0 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

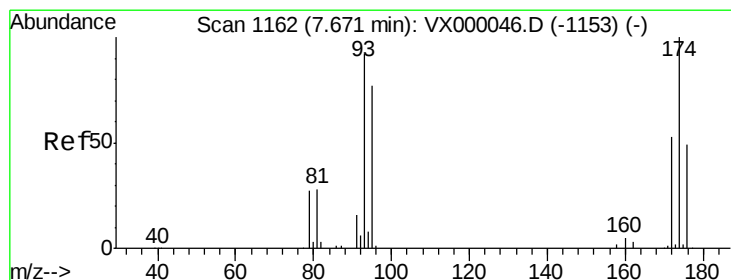
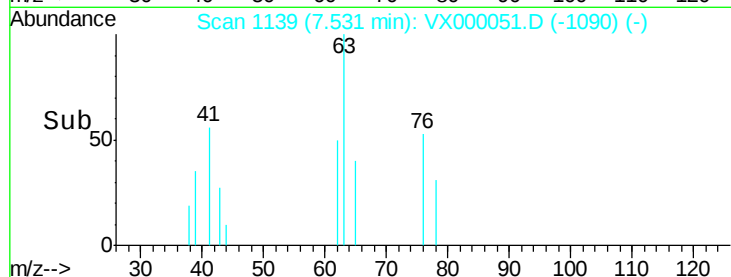
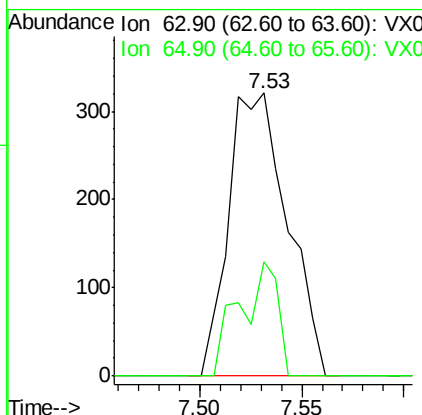
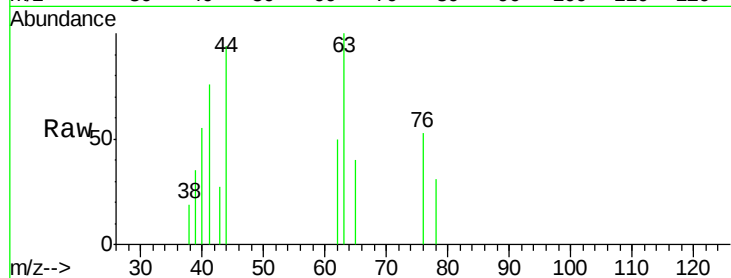




#45  
 1,2-Dichloropropane  
 Concen: 0.50 ug/l  
 RT: 7.53 min Scan# 1139  
 Delta R.T. -0.00 min  
 Lab File: VX000051.D  
 Acq: 09 Feb 2018 19:23

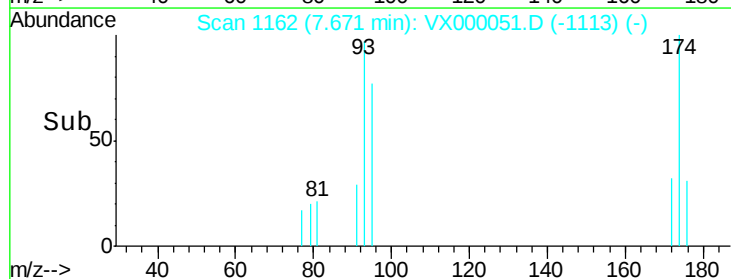
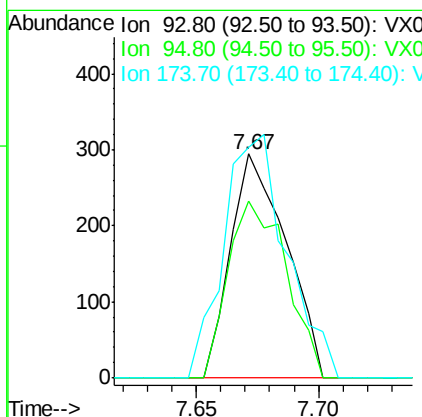
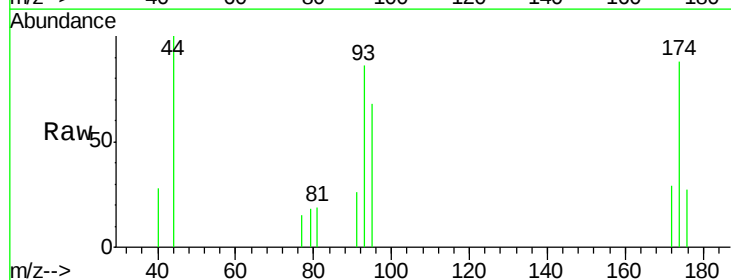
Instrument :  
 ClientSampleId :  
 MDL01 0.5PPB

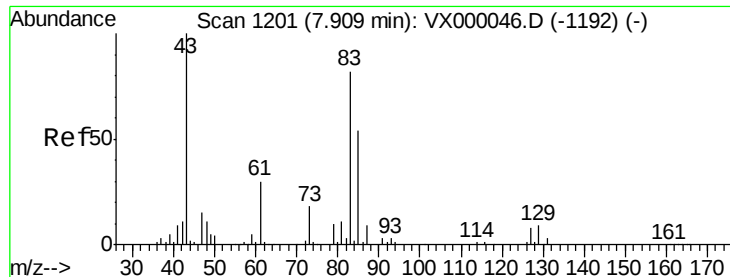
Tgt Ion: 63 Resp: 642  
 Ion Ratio Lower Upper  
 63 100  
 65 40.2 23.7 35.5#



#46  
 Dibromomethane  
 Concen: 0.47 ug/l  
 RT: 7.67 min Scan# 1162  
 Delta R.T. -0.00 min  
 Lab File: VX000051.D  
 Acq: 09 Feb 2018 19:23

Tgt Ion: 93 Resp: 463  
 Ion Ratio Lower Upper  
 93 100  
 95 83.2 66.3 99.5  
 174 123.1 90.4 135.6





#47

Bromodichloromethane

Concen: 0.48 ug/l

RT: 7.92 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VX000051.D

Acq: 09 Feb 2018 19:23

Instrument :  
ClientSampleId :  
MDL01 0.5PPB

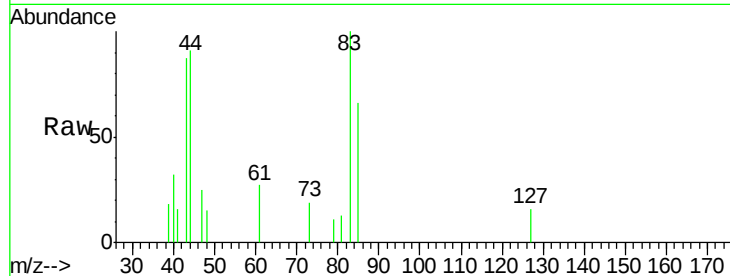
Tgt Ion: 83 Resp: 926

Ion Ratio Lower Upper

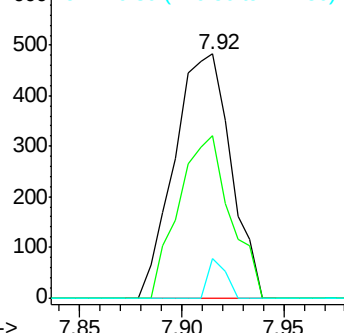
83 100

85 66.5 52.3 78.5

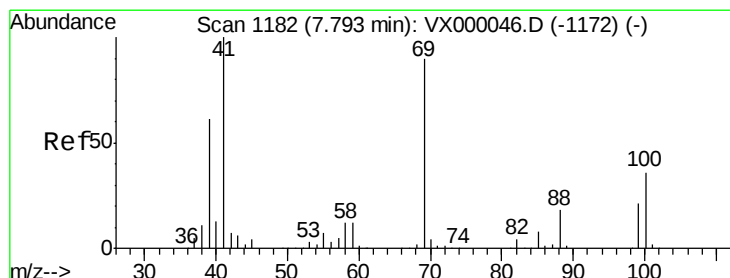
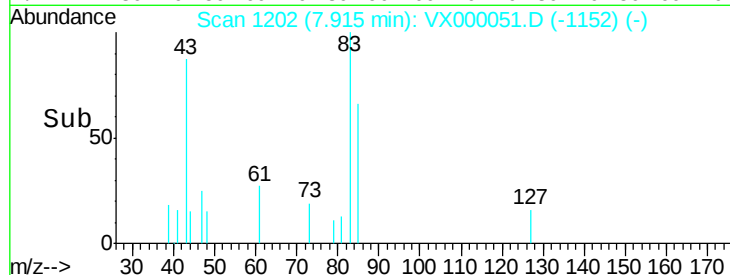
127 15.9 7.4 11.0#



Abundance Ion 82.90 (82.60 to 83.60): VX0  
Ion 84.90 (84.60 to 85.60): VX0  
Ion 126.80 (126.50 to 127.50): V



Time-->



#48

Methyl methacrylate

Concen: 0.54 ug/l

RT: 7.79 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VX000051.D

Acq: 09 Feb 2018 19:23

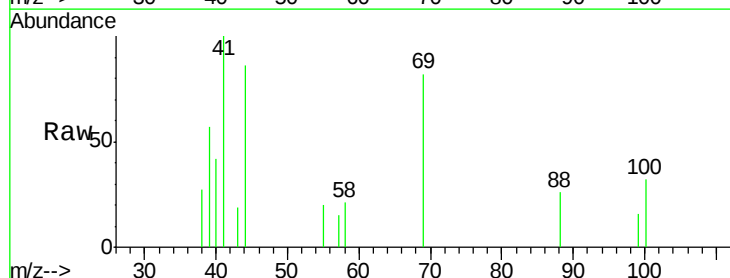
Tgt Ion: 41 Resp: 964

Ion Ratio Lower Upper

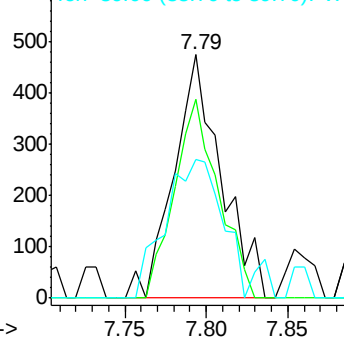
41 100

69 75.9 72.1 108.1

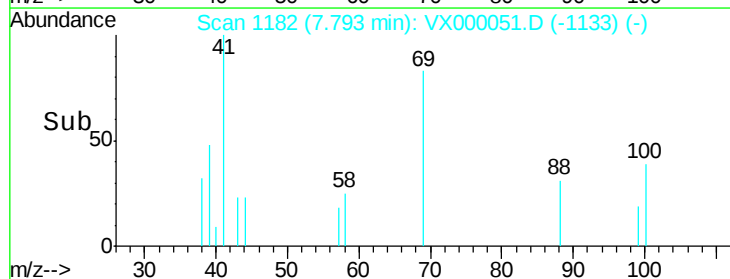
39 73.0 49.6 74.4

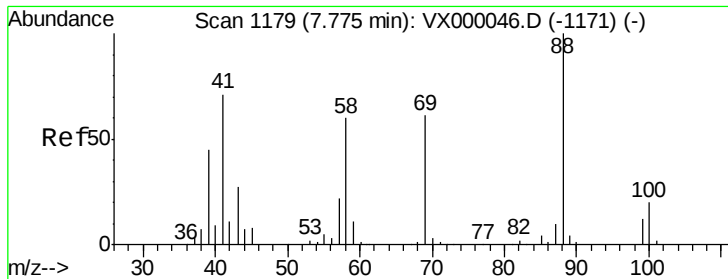


Abundance Ion 41.00 (40.70 to 41.70): VX0  
Ion 69.00 (68.70 to 69.70): VX0  
Ion 39.00 (38.70 to 39.70): VX0



Time-->

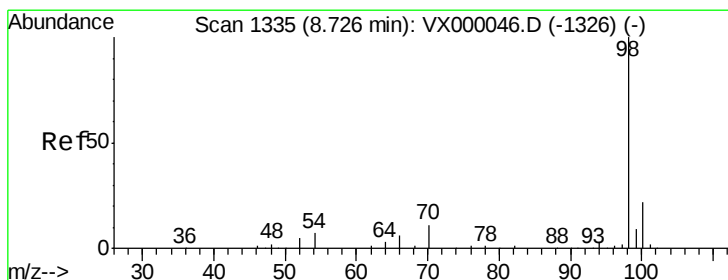
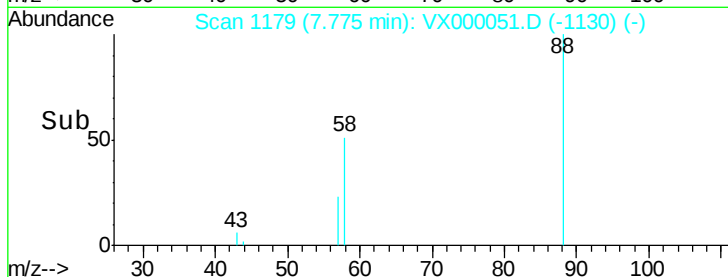
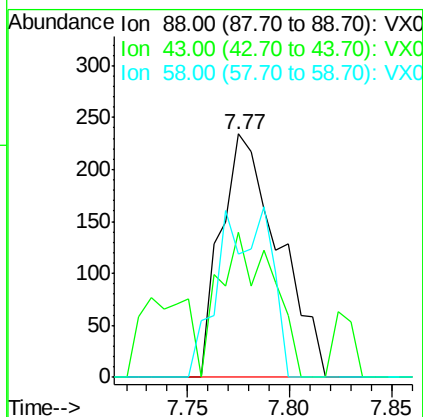
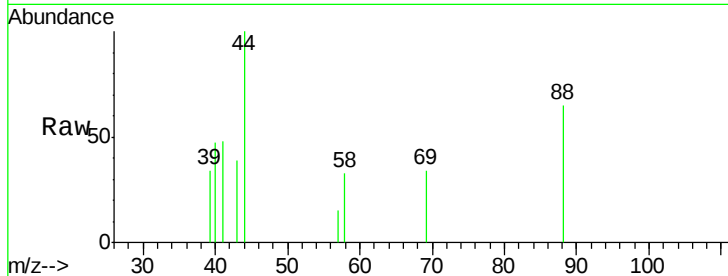




#49  
1,4-Dioxane  
Concen: 9.69 ug/l  
RT: 7.77 min Scan# 1179  
Delta R.T. -0.00 min  
Lab File: VX000051.D  
Acq: 09 Feb 2018 19:23

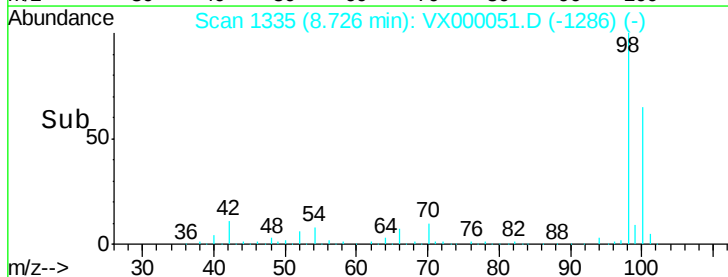
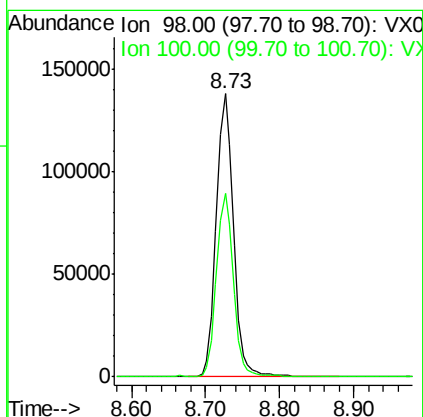
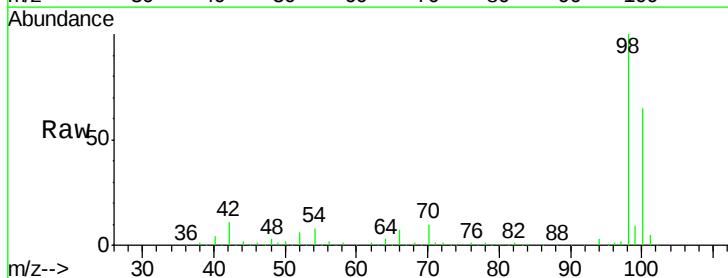
Instrument :  
ClientSampled :  
MDL01 0.5PPB

Tgt Ion: 88 Resp: 460  
Ion Ratio Lower Upper  
88 100  
43 54.6 22.6 33.8#  
58 62.2 49.4 74.2



#50  
Toluene-d8  
Concen: 47.41 ug/l  
RT: 8.73 min Scan# 1335  
Delta R.T. -0.00 min  
Lab File: VX000051.D  
Acq: 09 Feb 2018 19:23

Tgt Ion: 98 Resp: 220697  
Ion Ratio Lower Upper  
98 100  
100 64.1 51.8 77.6

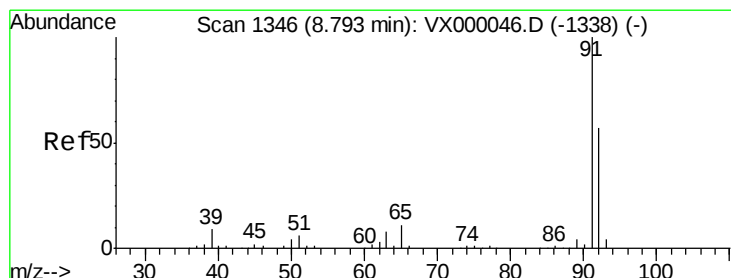
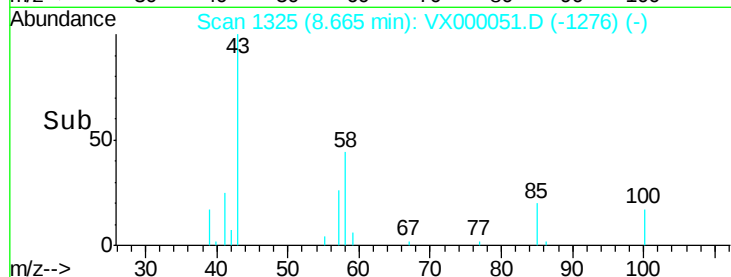
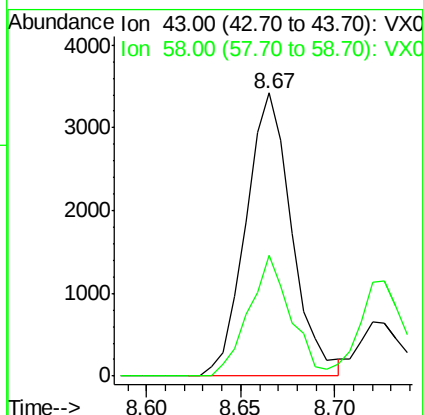
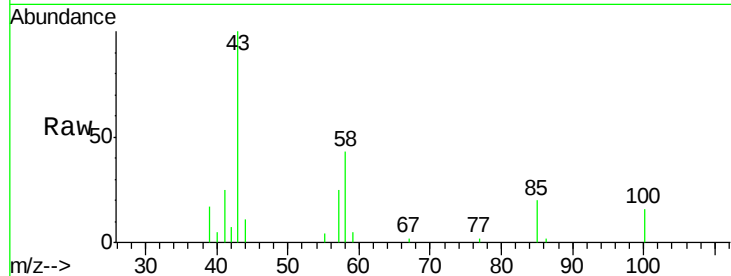




#51  
4-Methyl-2-Pentanone  
Concen: 2.28 ug/l  
RT: 8.67 min Scan# 1325  
Delta R.T. -0.00 min  
Lab File: VX000051.D  
Acq: 09 Feb 2018 19:23

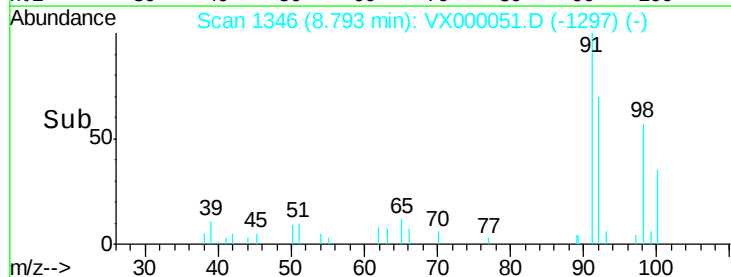
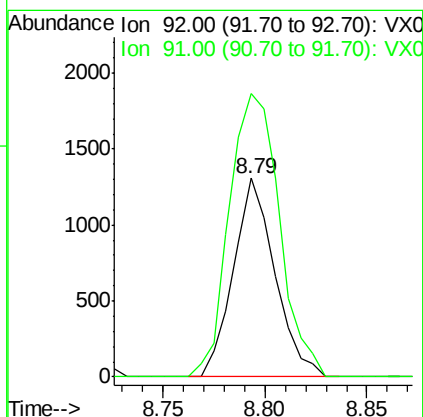
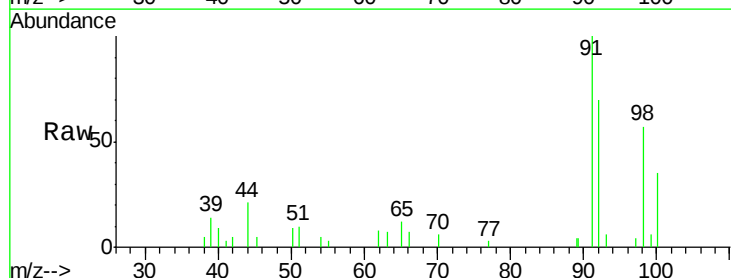
Instrument :  
ClientSampled :  
MDL01 0.5PPB

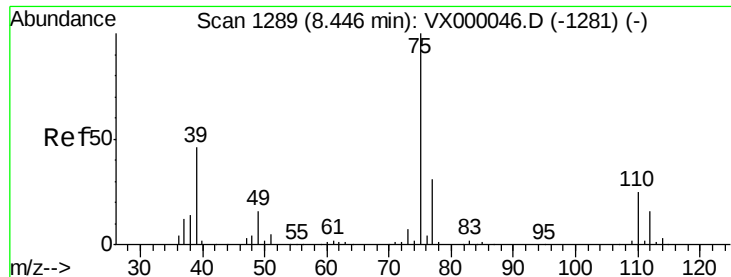
Tgt Ion: 43 Resp: 5772  
Ion Ratio Lower Upper  
43 100  
58 39.1 32.1 48.1



#52  
Toluene  
Concen: 0.52 ug/l  
RT: 8.79 min Scan# 1346  
Delta R.T. -0.00 min  
Lab File: VX000051.D  
Acq: 09 Feb 2018 19:23

Tgt Ion: 92 Resp: 1840  
Ion Ratio Lower Upper  
92 100  
91 173.0 139.8 209.6

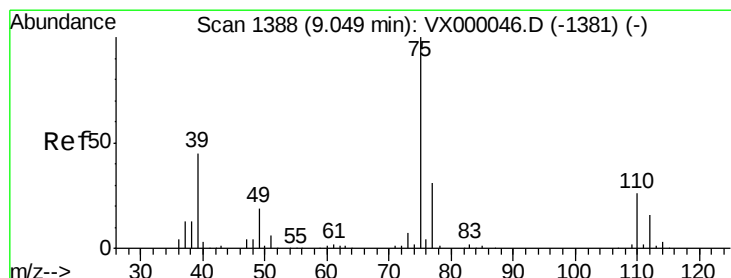
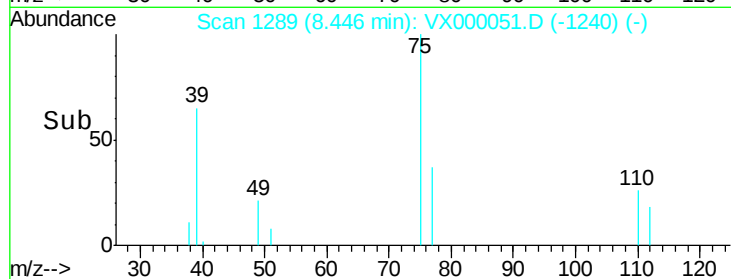
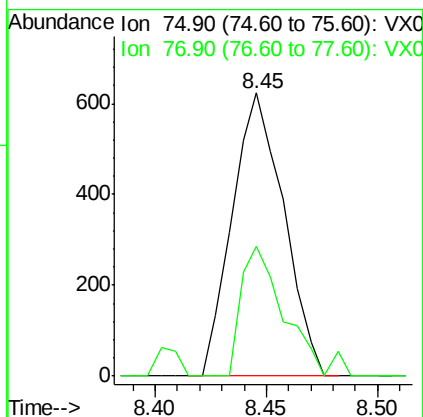
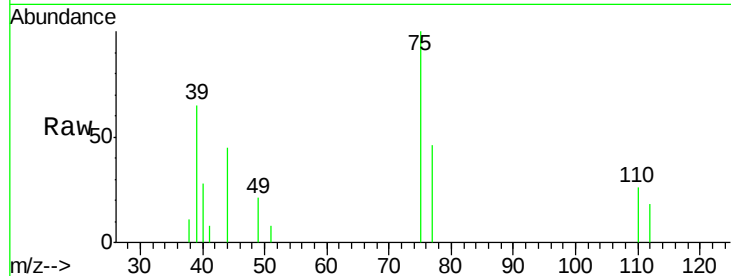




#53  
t-1,3-Dichloropropene  
Concen: 0.45 ug/l  
RT: 8.45 min Scan# 1289  
Delta R.T. -0.00 min  
Lab File: VX000051.D  
Acq: 09 Feb 2018 19:23

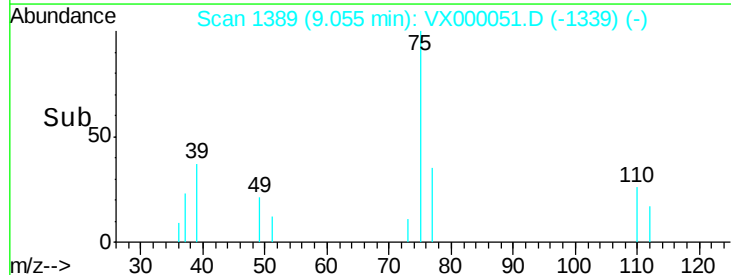
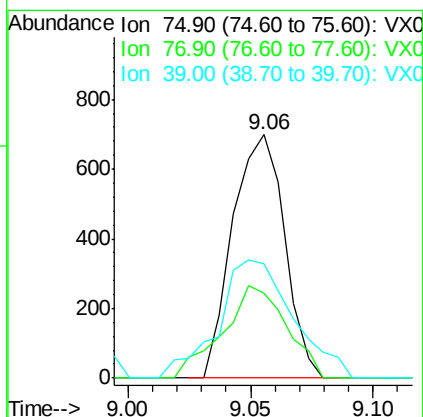
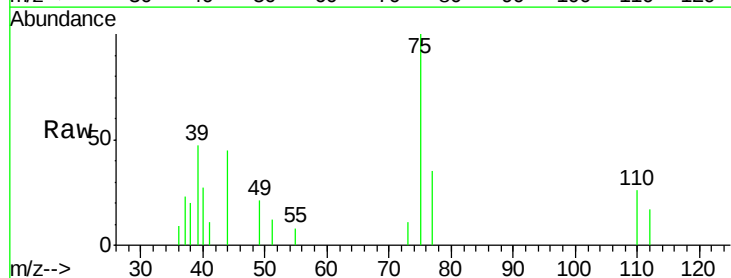
Instrument :  
ClientSampled :  
MDL01 0.5PPB

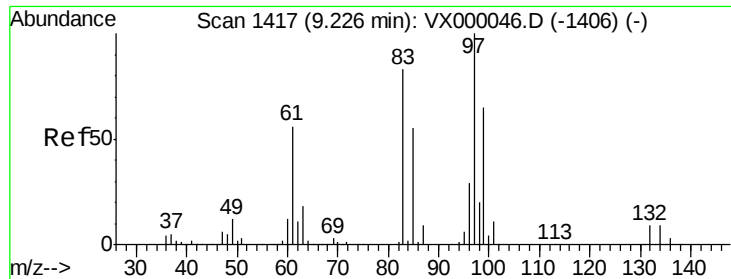
Tgt Ion: 75 Resp: 1004  
Ion Ratio Lower Upper  
75 100  
77 46.1 25.0 37.4#



#54  
cis-1,3-Dichloropropene  
Concen: 0.47 ug/l  
RT: 9.06 min Scan# 1389  
Delta R.T. 0.01 min  
Lab File: VX000051.D  
Acq: 09 Feb 2018 19:23

Tgt Ion: 75 Resp: 1031  
Ion Ratio Lower Upper  
75 100  
77 34.6 25.1 37.7  
39 38.8 36.1 54.1

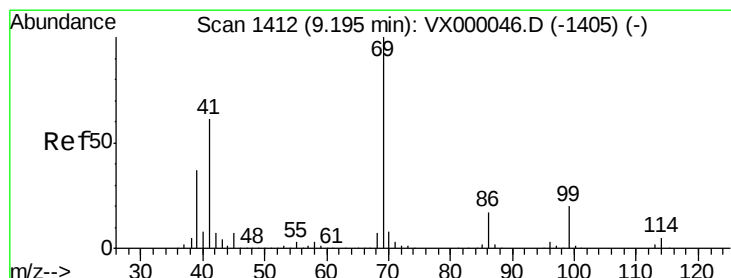
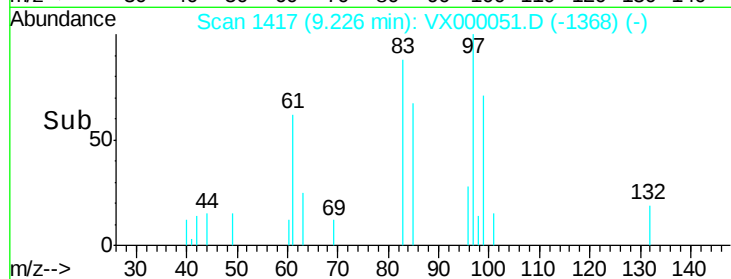
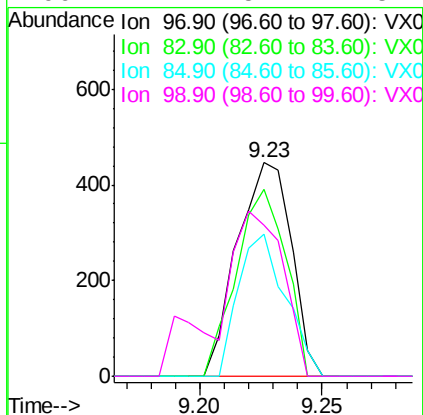
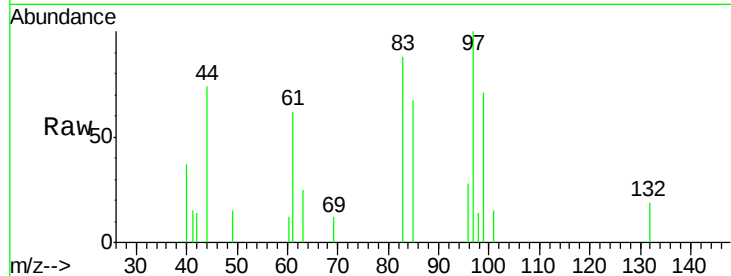




#55  
 1,1,2-Trichloroethane  
 Concen: 0.47 ug/l  
 RT: 9.23 min Scan# 1417  
 Delta R.T. -0.00 min  
 Lab File: VX000051.D  
 Acq: 09 Feb 2018 19:23

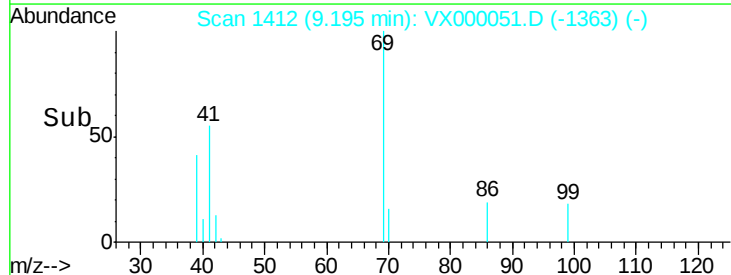
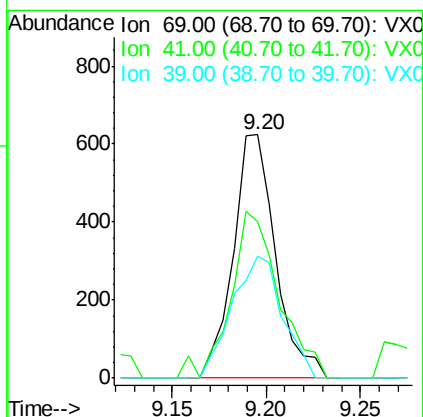
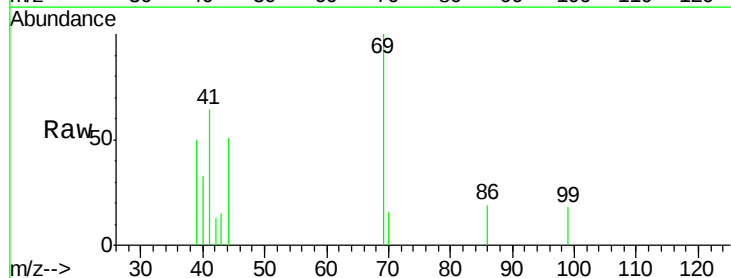
Instrument :  
 ClientSampled :  
 MDL01 0.5PPB

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 691   |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 87.7  | 66.5  | 99.7  |
| 85       | 66.6  | 43.8  | 65.6# |
| 99       | 71.1  | 52.2  | 78.4  |



#56  
 Ethyl methacrylate  
 Concen: 0.43 ug/l  
 RT: 9.20 min Scan# 1412  
 Delta R.T. -0.00 min  
 Lab File: VX000051.D  
 Acq: 09 Feb 2018 19:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 974   |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 78.3  | 49.5  | 74.3# |
| 39       | 59.2  | 29.9  | 44.9# |

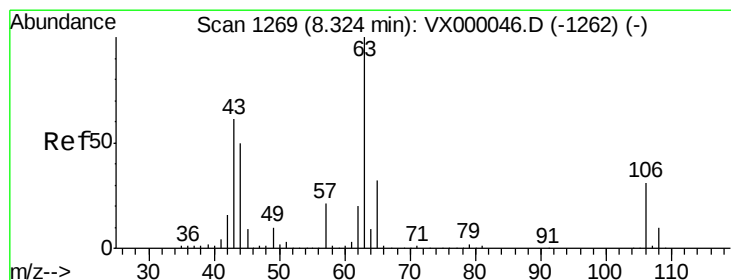
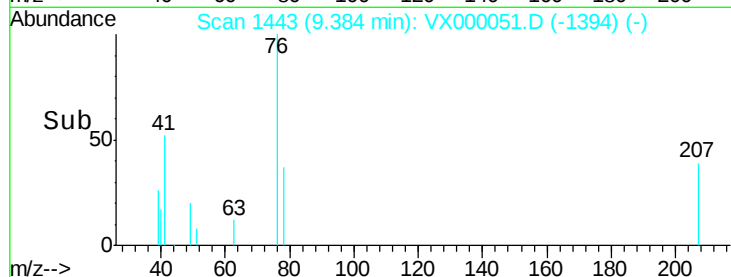
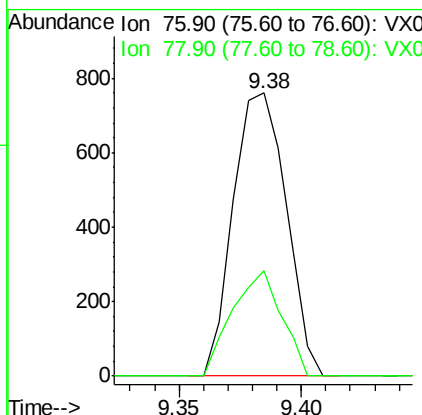
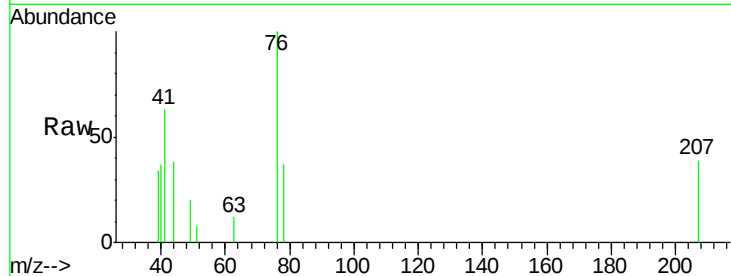




#57  
 1,3-Dichloropropane  
 Concen: 0.50 ug/l  
 RT: 9.38 min Scan# 1443  
 Delta R.T. -0.00 min  
 Lab File: VX000051.D  
 Acq: 09 Feb 2018 19:23

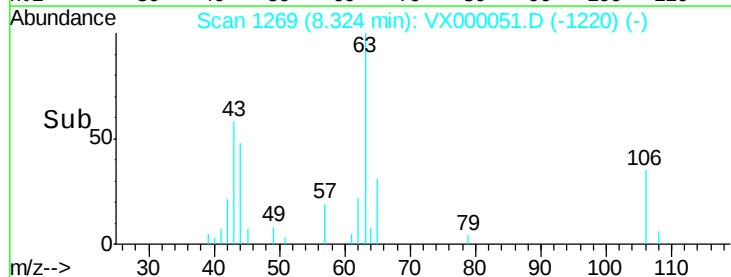
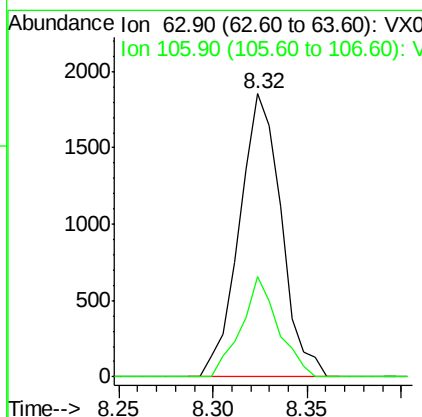
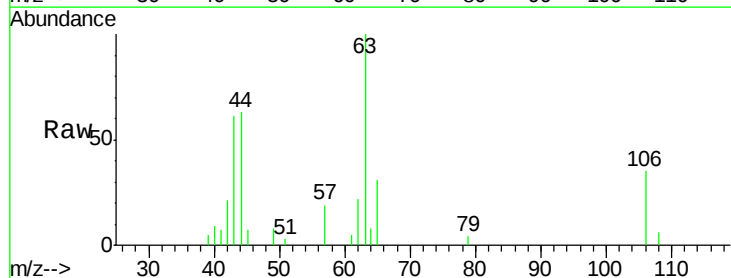
Instrument :  
 ClientSampled :  
 MDL01 0.5PPB

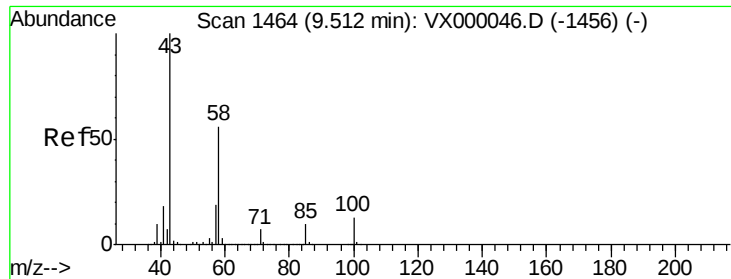
Tgt Ion: 76 Resp: 1149  
 Ion Ratio Lower Upper  
 76 100  
 78 34.7 25.9 38.9



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 2.55 ug/l  
 RT: 8.32 min Scan# 1269  
 Delta R.T. -0.00 min  
 Lab File: VX000051.D  
 Acq: 09 Feb 2018 19:23

Tgt Ion: 63 Resp: 2864  
 Ion Ratio Lower Upper  
 63 100  
 106 31.0 24.7 37.1

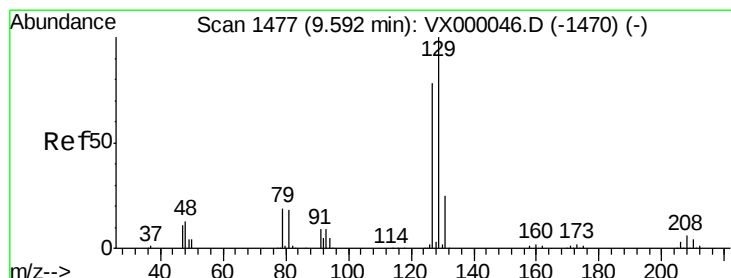
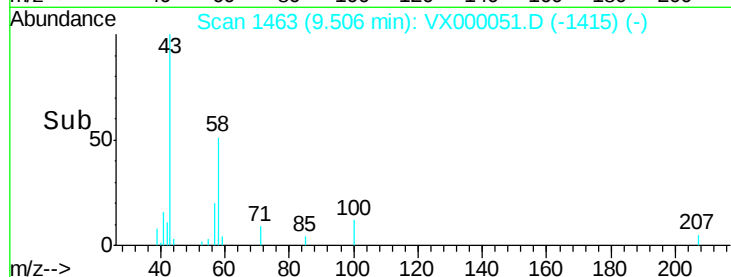
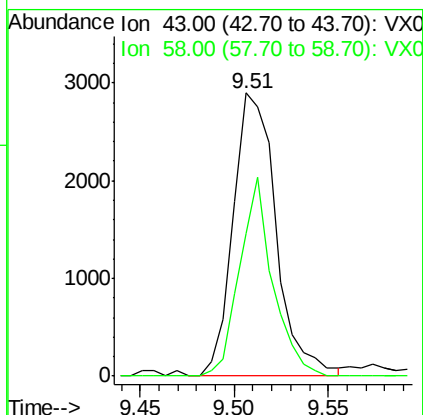
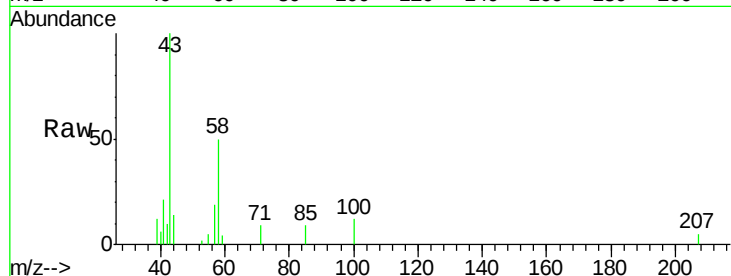




#59  
2-Hexanone  
Concen: 2.23 ug/l  
RT: 9.51 min Scan# 1463  
Delta R.T. -0.01 min  
Lab File: VX000051.D  
Acq: 09 Feb 2018 19:23

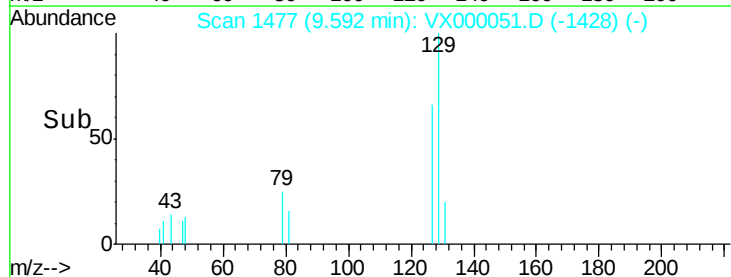
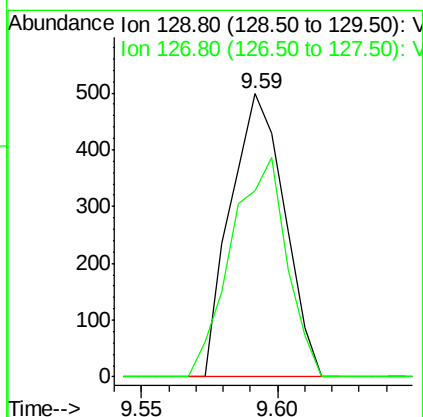
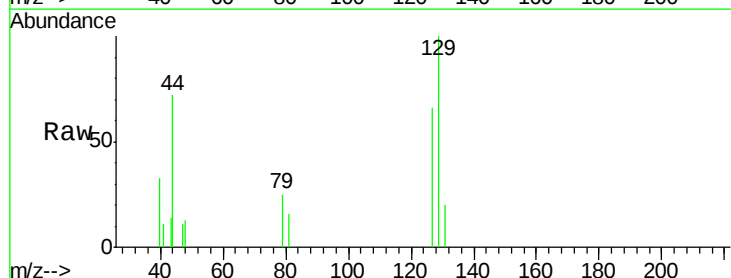
Instrument :  
ClientSampleId :  
MDL01 0.5PPB

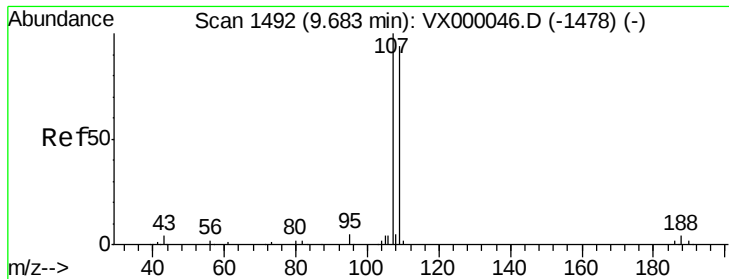
Tgt Ion: 43 Resp: 4585  
Ion Ratio Lower Upper  
43 100  
58 54.2 27.6 82.7



#60  
Dibromochloromethane  
Concen: 0.40 ug/l  
RT: 9.59 min Scan# 1477  
Delta R.T. -0.00 min  
Lab File: VX000051.D  
Acq: 09 Feb 2018 19:23

Tgt Ion: 129 Resp: 684  
Ion Ratio Lower Upper  
129 100  
127 79.8 38.6 115.8





#61

1,2-Dibromoethane

Concen: 0.46 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX000051.D

Acq: 09 Feb 2018 19:23

Instrument :

ClientSampled :

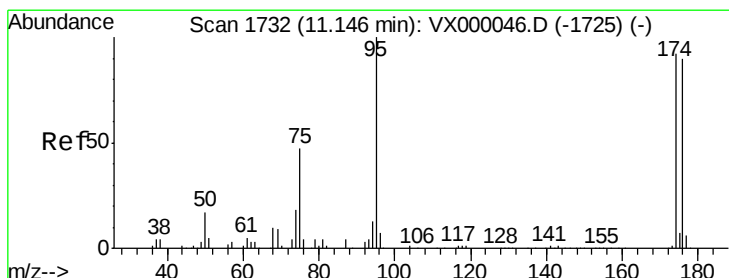
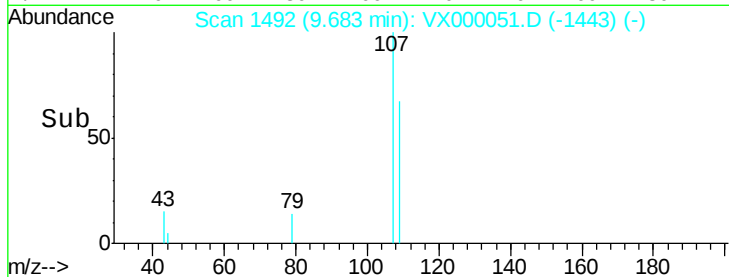
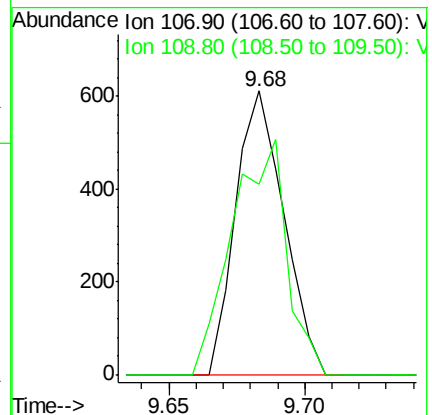
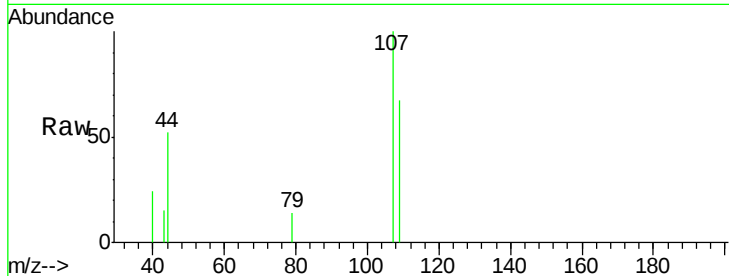
MDL01 0.5PPB

Tgt Ion: 107 Resp: 749

Ion Ratio Lower Upper

107 100

109 93.7 74.6 111.8



#62

4-Bromofluorobenzene

Concen: 46.38 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000051.D

Acq: 09 Feb 2018 19:23

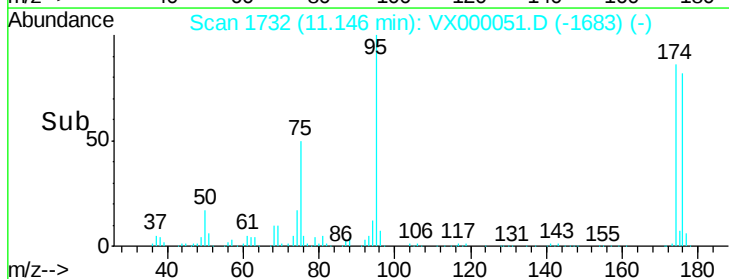
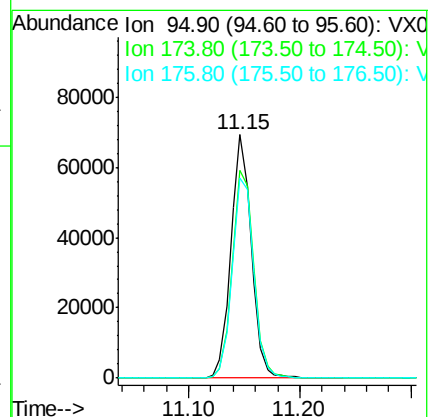
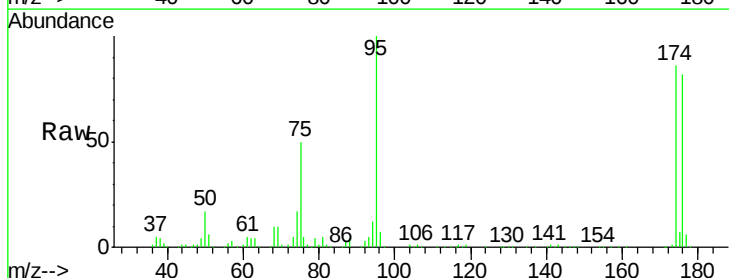
Tgt Ion: 95 Resp: 87810

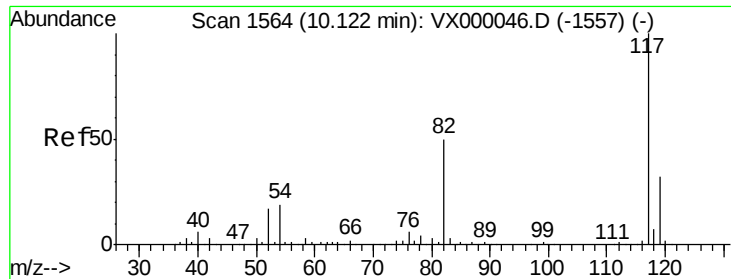
Ion Ratio Lower Upper

95 100

174 90.1 0.0 185.6

176 86.5 0.0 181.8

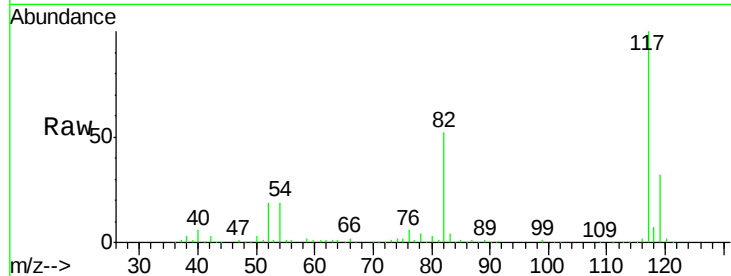




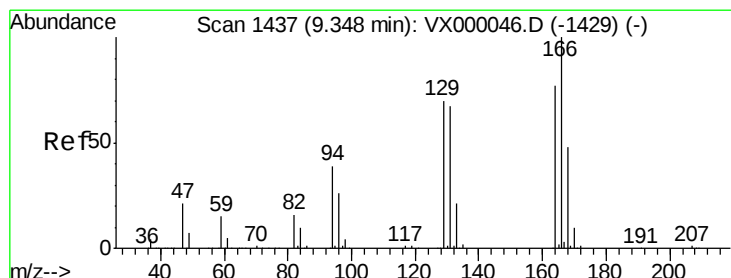
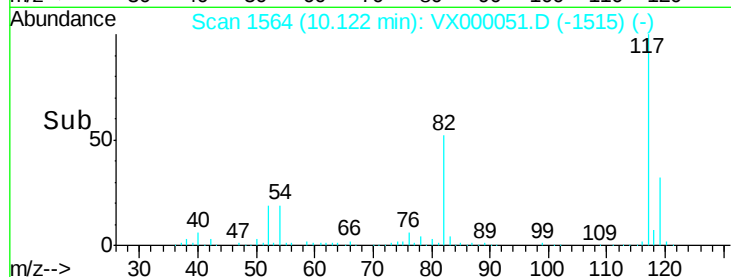
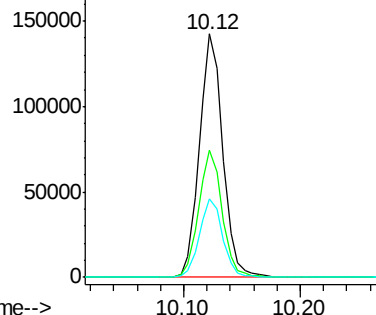
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1564  
Delta R.T. -0.00 min  
Lab File: VX000051.D  
Acq: 09 Feb 2018 19:23

Instrument :  
ClientSampled :  
MDL01 0.5PPB

Tgt Ion:117 Resp: 198884  
Ion Ratio Lower Upper  
117 100  
82 52.4 40.3 60.5  
119 32.2 25.3 37.9

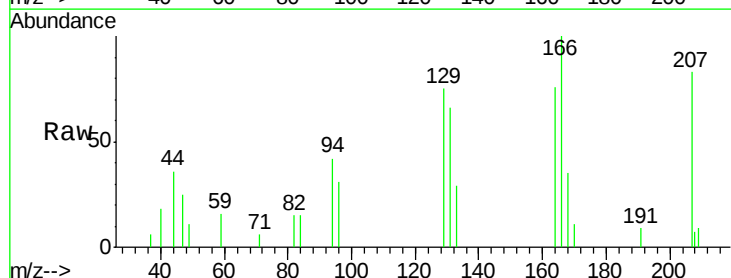


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX  
Ion 118.90 (118.60 to 119.60): V

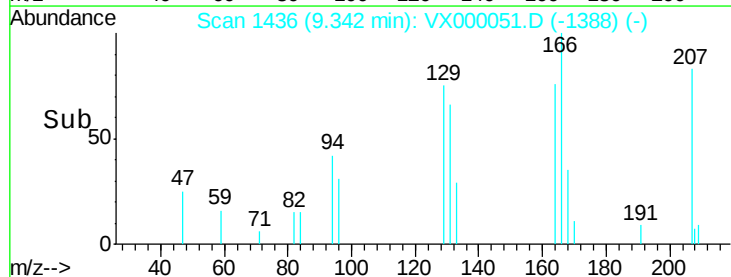
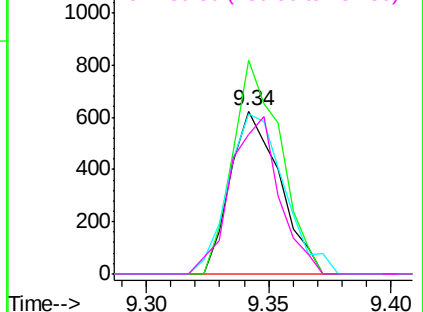


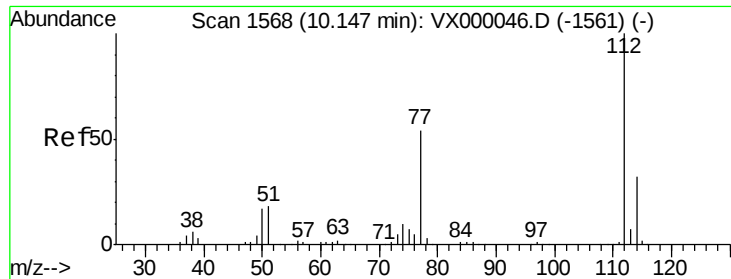
#64  
Tetrachloroethene  
Concen: 0.59 ug/l  
RT: 9.34 min Scan# 1436  
Delta R.T. -0.01 min  
Lab File: VX000051.D  
Acq: 09 Feb 2018 19:23

Tgt Ion:164 Resp: 875  
Ion Ratio Lower Upper  
164 100  
166 131.3 103.7 155.5  
129 98.6 72.2 108.4  
131 86.0 69.1 103.7



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





#65

Chlorobenzene

Concen: 0.55 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX000051.D

Acq: 09 Feb 2018 19:23

Instrument :

ClientSampled :

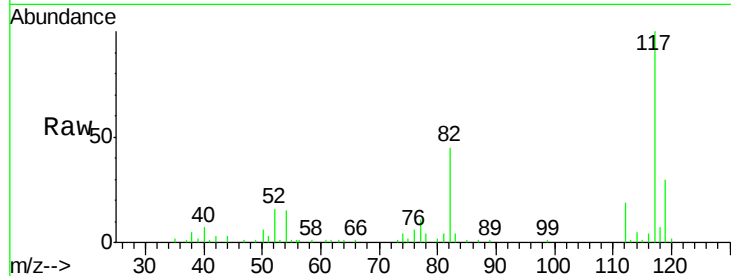
MDL01 0.5PPB

Tgt Ion:112 Resp: 2255

Ion Ratio Lower Upper

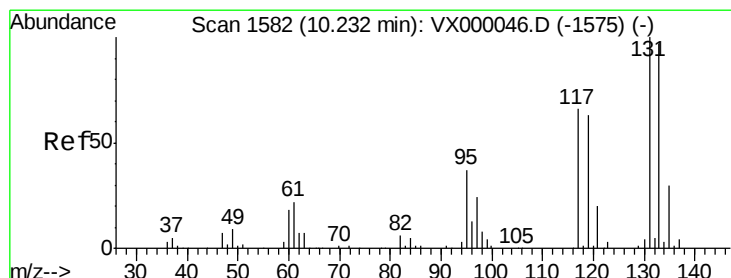
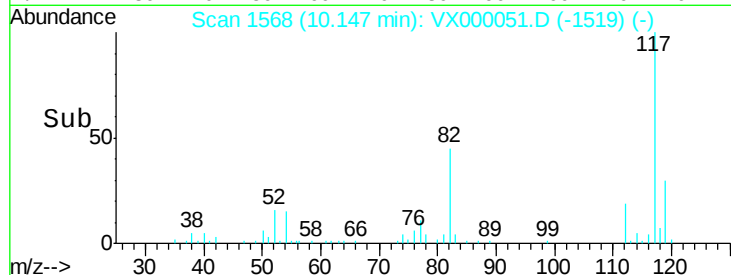
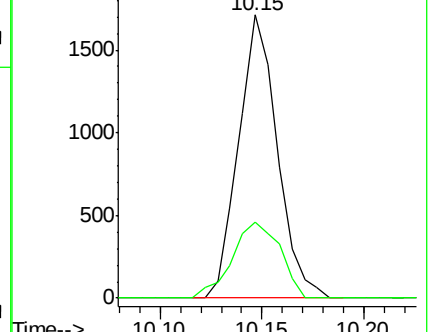
112 100

114 26.9 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 0.48 ug/l

RT: 10.23 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VX000051.D

Acq: 09 Feb 2018 19:23

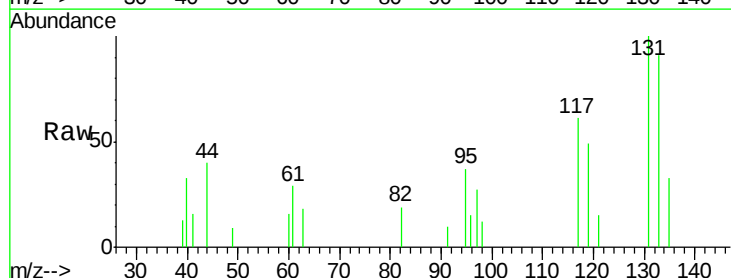
Tgt Ion:131 Resp: 711

Ion Ratio Lower Upper

131 100

133 95.8 47.6 142.9

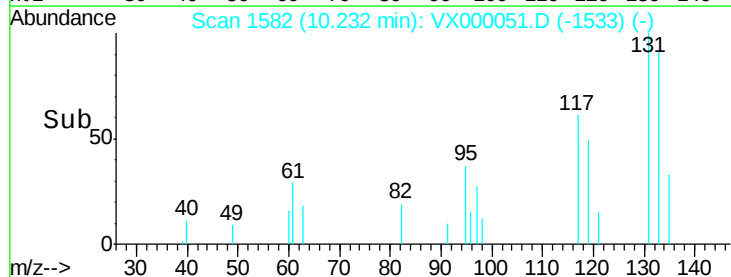
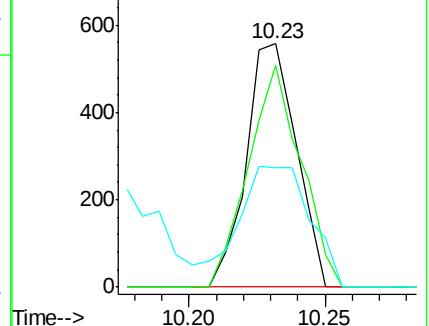
119 0.0 31.7 95.1#

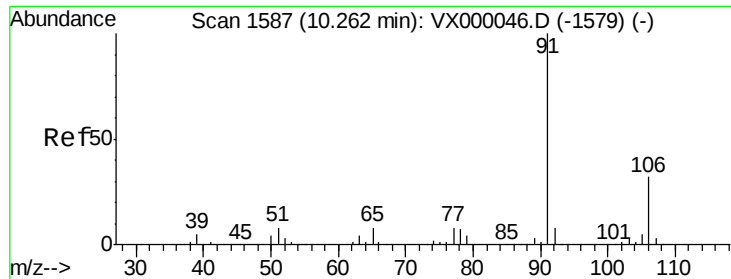


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

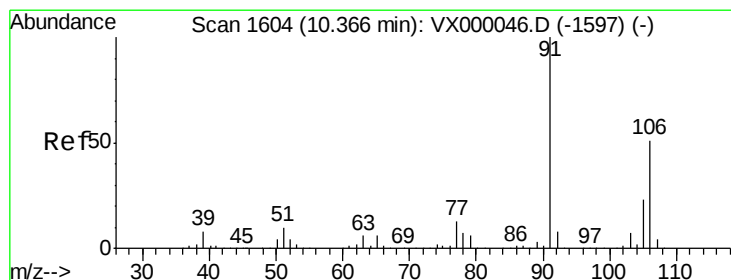
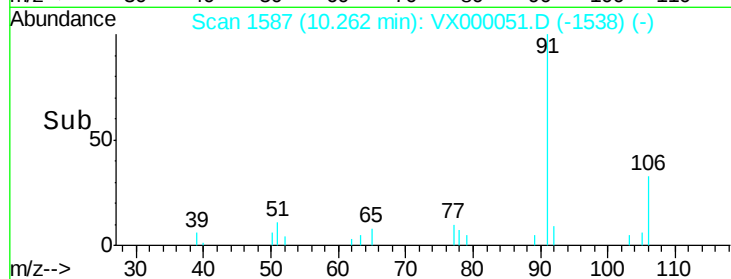
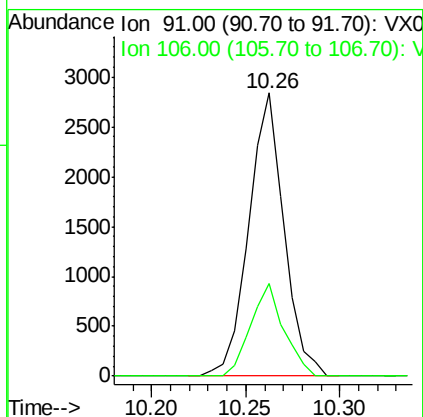
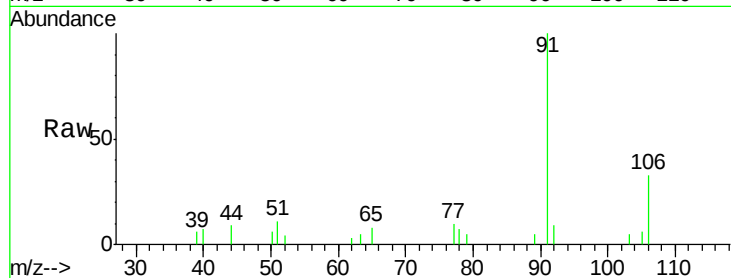




#67  
Ethyl Benzene  
Concen: 0.54 ug/l  
RT: 10.26 min Scan# 1587  
Delta R.T. -0.00 min  
Lab File: VX000051.D  
Acq: 09 Feb 2018 19:23

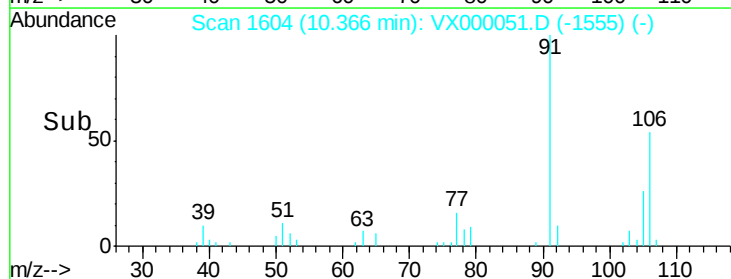
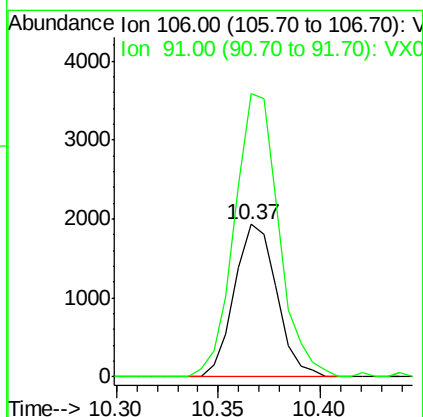
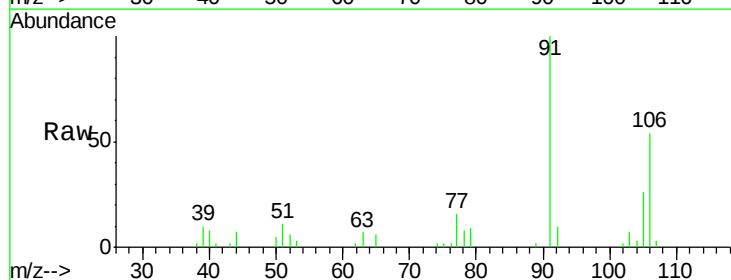
Instrument :  
ClientSampled :  
MDL01 0.5PPB

Tgt Ion: 91 Resp: 3675  
Ion Ratio Lower Upper  
91 100  
106 33.0 25.9 38.9



#68  
m/p-Xylenes  
Concen: 1.02 ug/l  
RT: 10.37 min Scan# 1604  
Delta R.T. -0.00 min  
Lab File: VX000051.D  
Acq: 09 Feb 2018 19:23

Tgt Ion: 106 Resp: 2777  
Ion Ratio Lower Upper  
106 100  
91 195.2 158.3 237.5

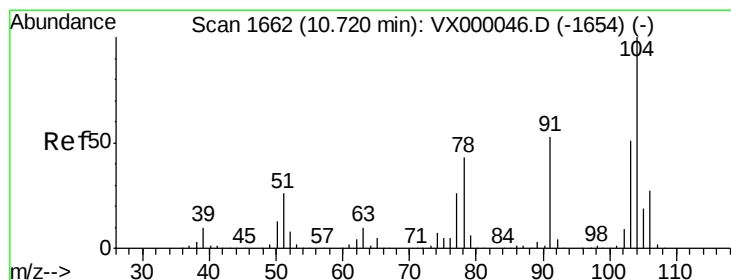
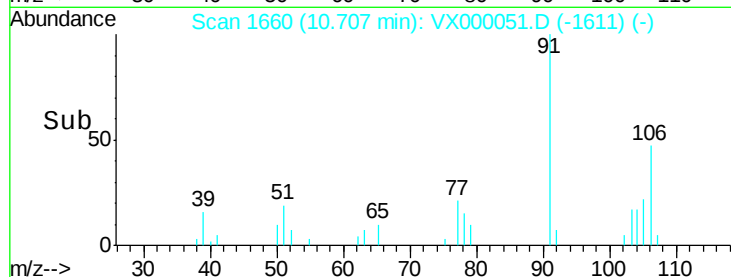
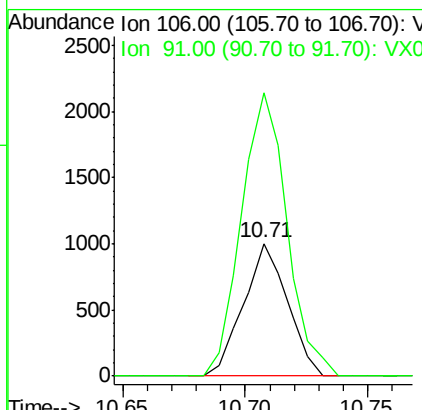
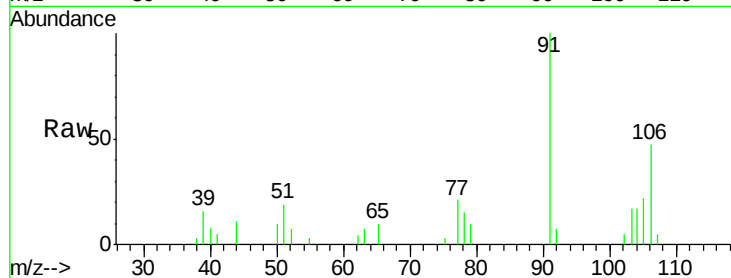




#69  
o-Xylene  
Concen: 0.48 ug/l  
RT: 10.71 min Scan# 1660  
Delta R.T. -0.00 min  
Lab File: VX000051.D  
Acq: 09 Feb 2018 19:23

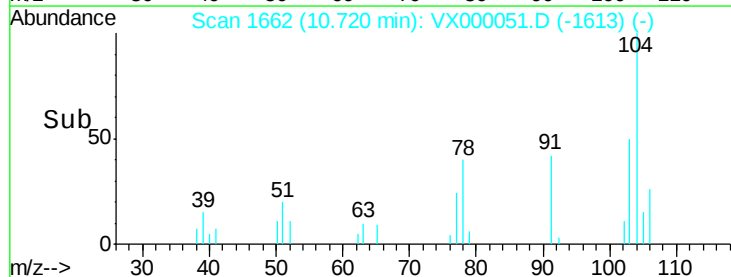
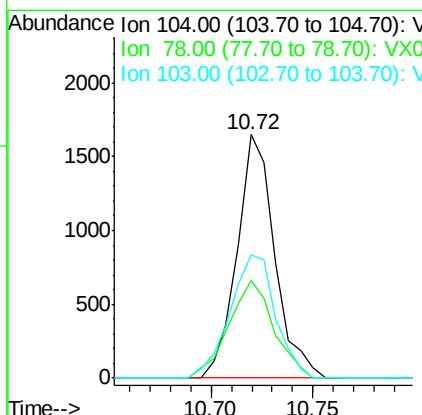
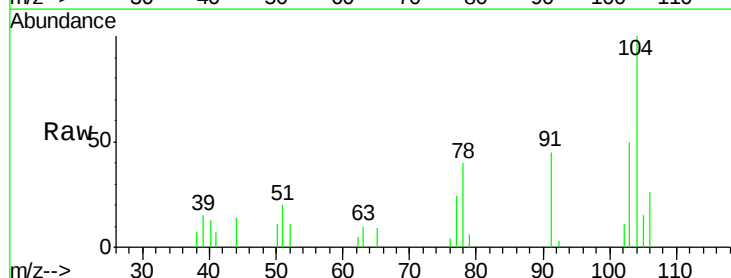
Instrument :  
ClientSampleId :  
MDL01 0.5PPB

Tgt Ion:106 Resp: 1260  
Ion Ratio Lower Upper  
106 100  
91 220.7 104.0 312.0



#70  
Styrene  
Concen: 0.47 ug/l  
RT: 10.72 min Scan# 1662  
Delta R.T. -0.00 min  
Lab File: VX000051.D  
Acq: 09 Feb 2018 19:23

Tgt Ion:104 Resp: 2112  
Ion Ratio Lower Upper  
104 100  
78 48.0 37.7 56.5  
103 60.9 44.0 66.0





#71

Bromoform

Concen: 0.45 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VX000051.D

Acq: 09 Feb 2018 19:23

Instrument :

ClientSampled :

MDL01 0.5PPB

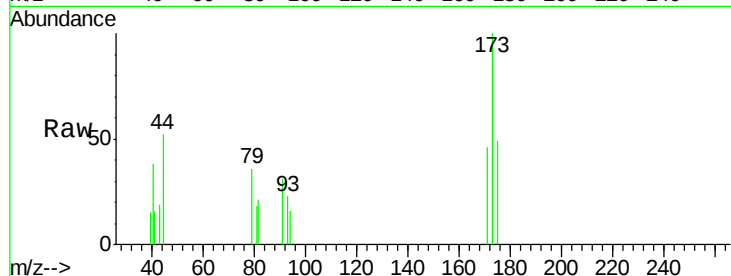
Tgt Ion:173 Resp: 632

Ion Ratio Lower Upper

173 100

175 40.7 23.9 71.8

254 0.0 0.1 0.1#

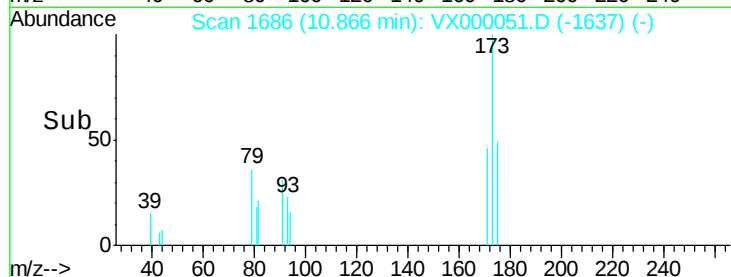


Abundance Ion 172.70 (172.40 to 173.40): V

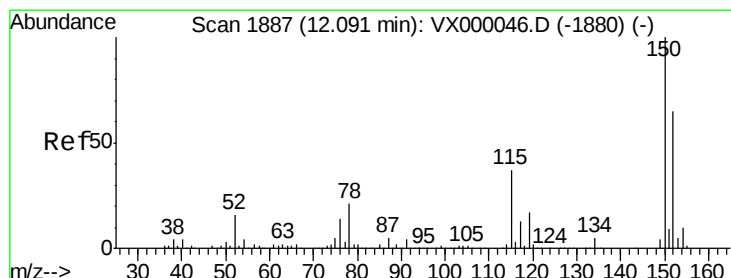
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

Time-->



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.01 min

Lab File: VX000051.D

Acq: 09 Feb 2018 19:23

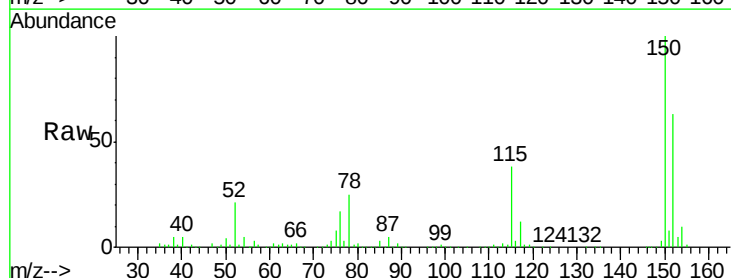
Tgt Ion:152 Resp: 105352

Ion Ratio Lower Upper

152 100

115 57.3 39.3 117.8

150 155.0 0.0 349.2

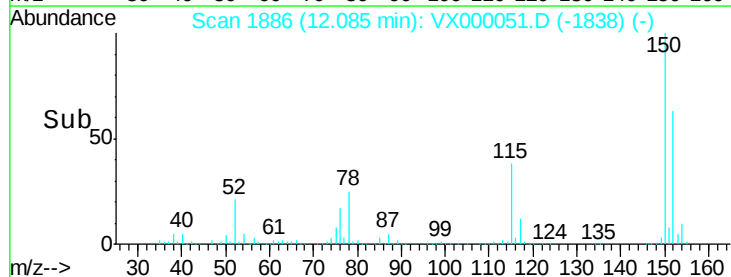


Abundance Ion 151.90 (151.60 to 152.60): V

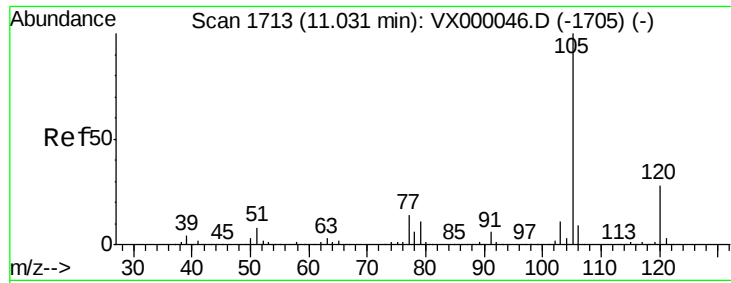
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

Time-->



Time-->



#73

Isopropylbenzene

Concen: 0.53 ug/l

RT: 11.03 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VX000051.D

Acq: 09 Feb 2018 19:23

Instrument :

ClientSampled :

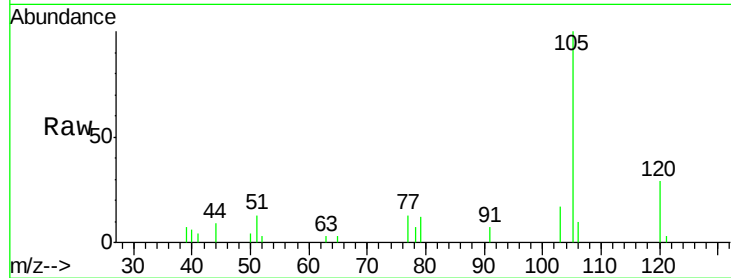
MDL01 0.5PPB

Tgt Ion: 105 Resp: 3536

Ion Ratio Lower Upper

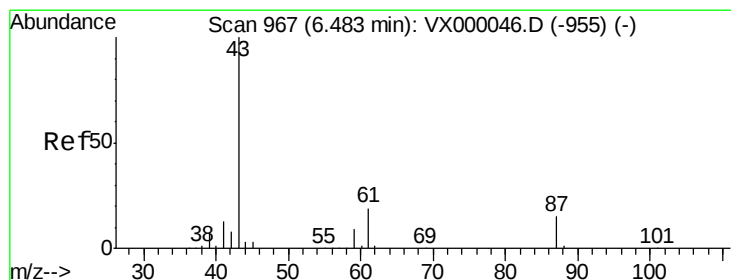
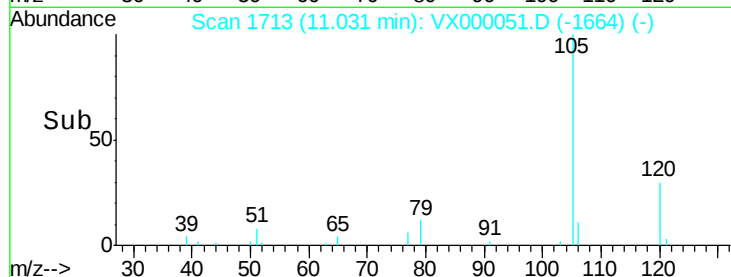
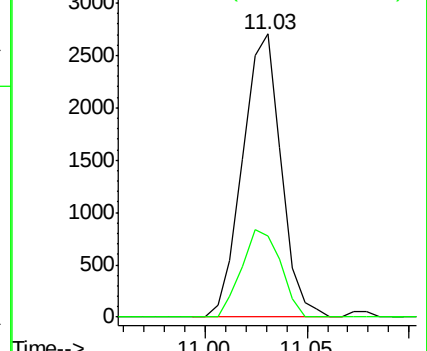
105 100

120 31.5 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.58 ug/l

RT: 6.48 min Scan# 967

Delta R.T. -0.00 min

Lab File: VX000051.D

Acq: 09 Feb 2018 19:23

Tgt Ion: 43 Resp: 1951

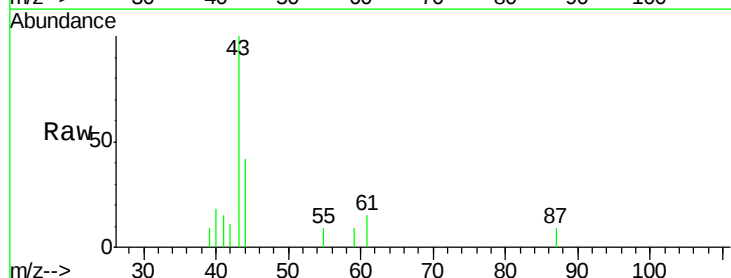
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 1.3 0.1 0.1#

61 14.0 15.9 23.9#

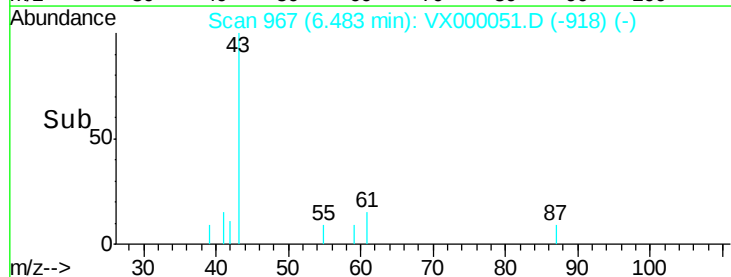
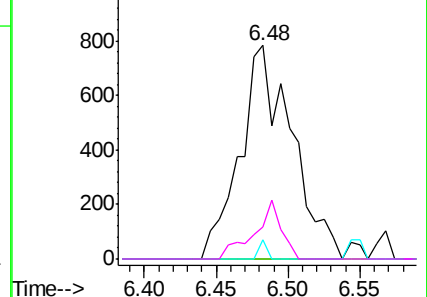


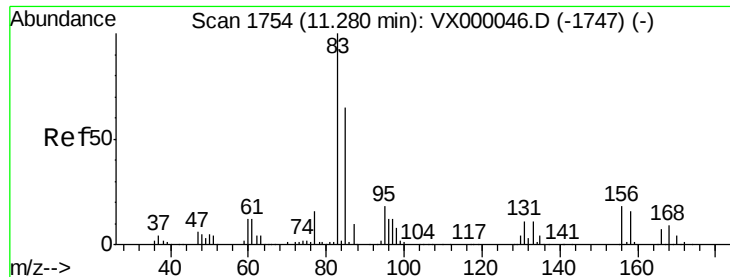
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 0.48 ug/l

RT: 11.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VX000051.D

Acq: 09 Feb 2018 19:23

Instrument :

ClientSampled :

MDL01 0.5PPB

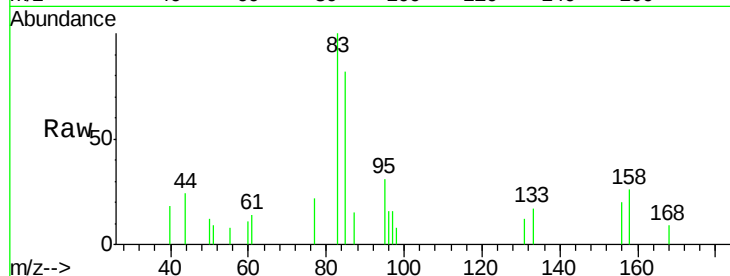
Tgt Ion: 83 Resp: 1086

Ion Ratio Lower Upper

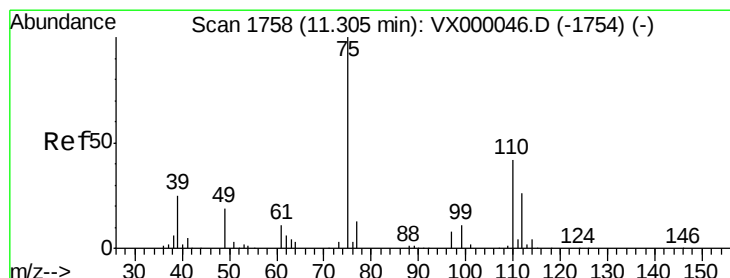
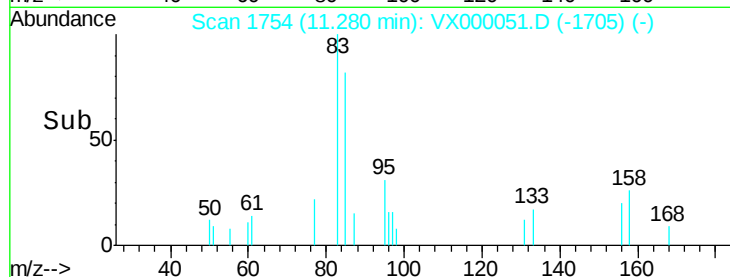
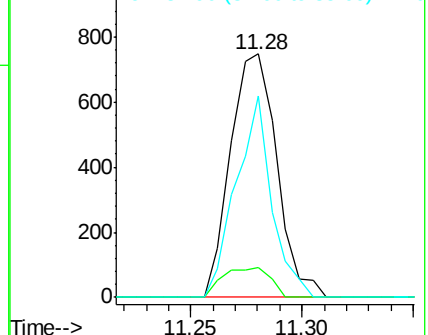
83 100

131 12.4 5.5 16.7

85 63.5 32.6 97.7



Abundance Ion 82.90 (82.60 to 83.60): VX0  
Ion 130.80 (130.50 to 131.50): V  
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 0.69 ug/l

RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VX000051.D

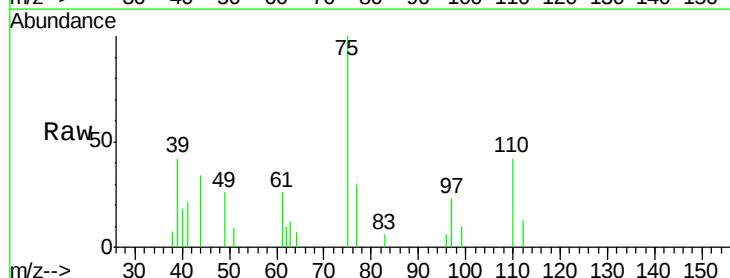
Acq: 09 Feb 2018 19:23

Tgt Ion: 75 Resp: 1367

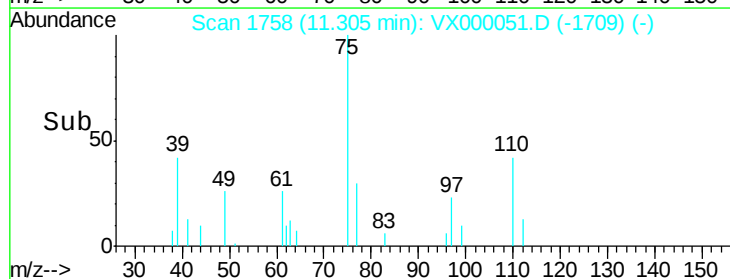
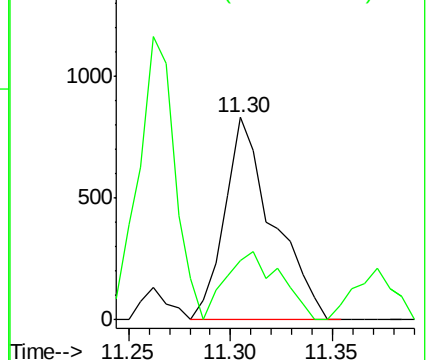
Ion Ratio Lower Upper

75 100

77 37.7 23.7 71.1



Abundance Ion 74.90 (74.60 to 75.60): VX0  
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 0.48 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX000051.D

Acq: 09 Feb 2018 19:23

Instrument :

ClientSampled :

MDL01 0.5PPB

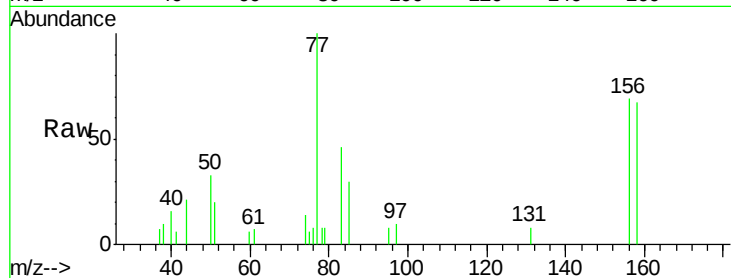
Tgt Ion:156 Resp: 868

Ion Ratio Lower Upper

156 100

77 165.1 66.2 198.6

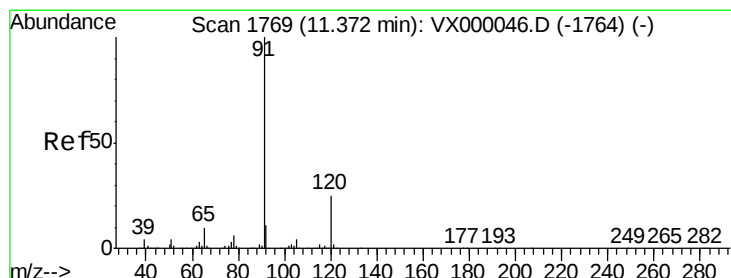
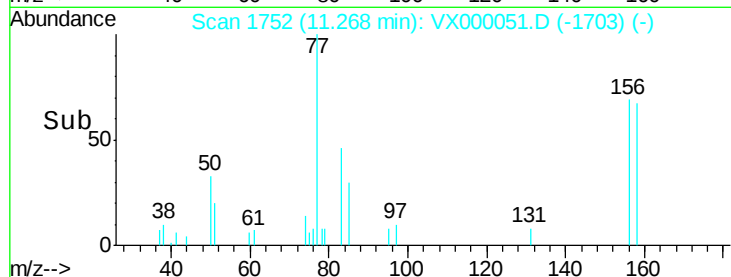
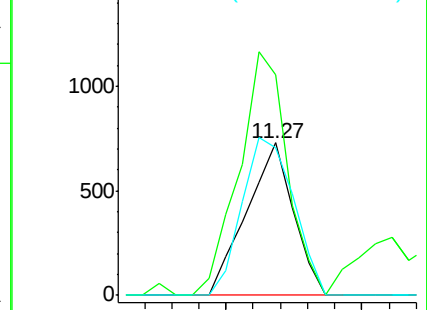
158 113.9 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.61 ug/l

RT: 11.37 min Scan# 1769

Delta R.T. -0.00 min

Lab File: VX000051.D

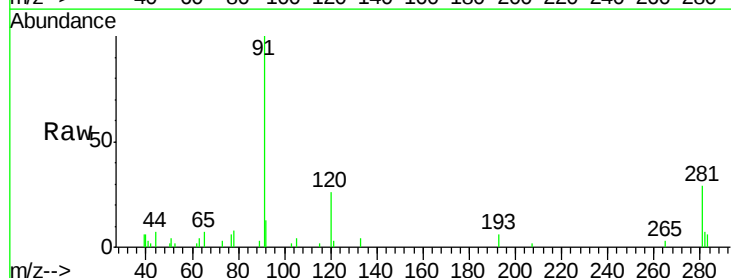
Acq: 09 Feb 2018 19:23

Tgt Ion: 91 Resp: 4766

Ion Ratio Lower Upper

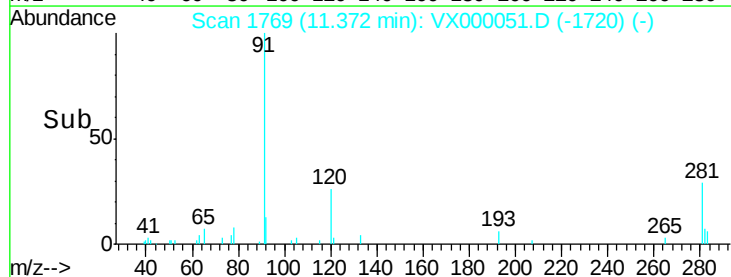
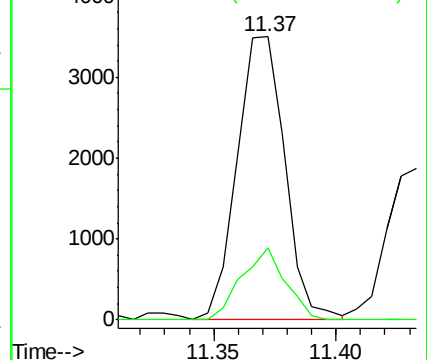
91 100

120 23.6 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

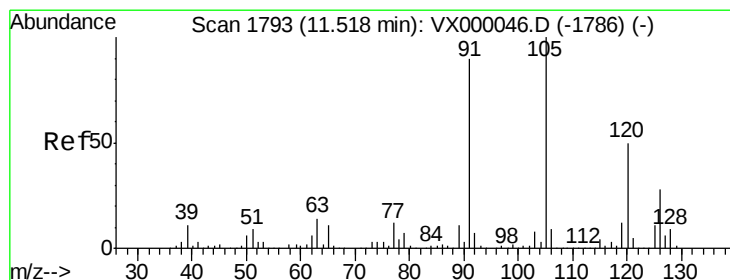
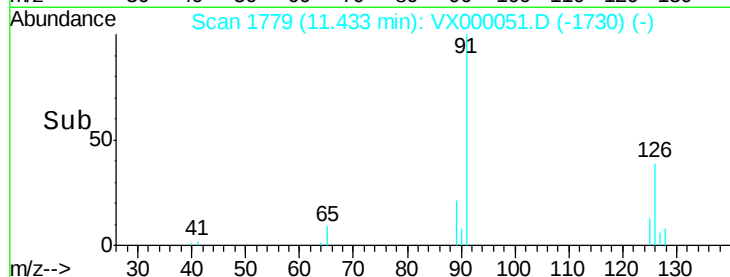
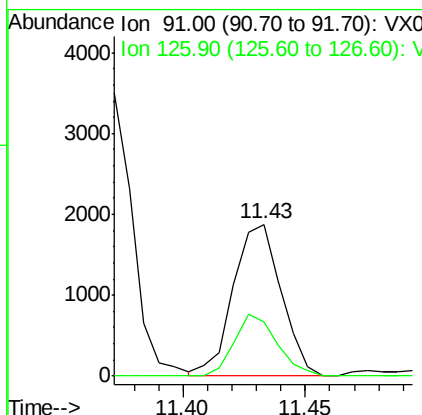
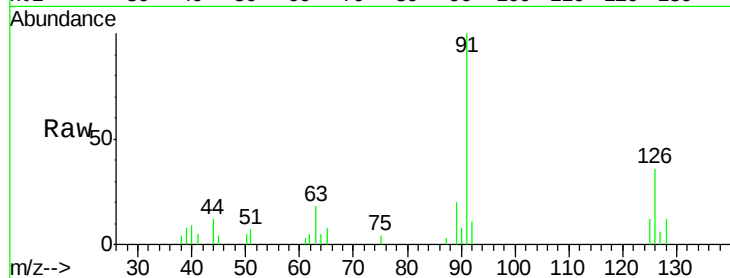




#79  
 2-Chlorotoluene  
 Concen: 0.57 ug/l  
 RT: 11.43 min Scan# 1779  
 Delta R.T. -0.00 min  
 Lab File: VX000051.D  
 Acq: 09 Feb 2018 19:23

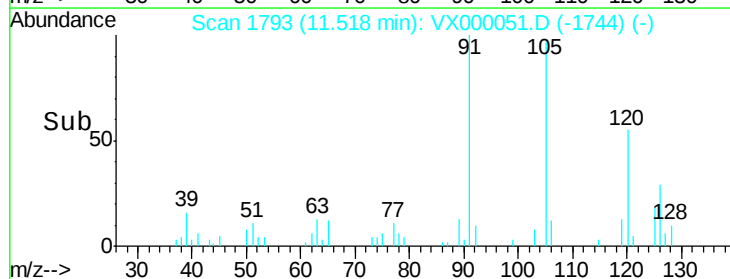
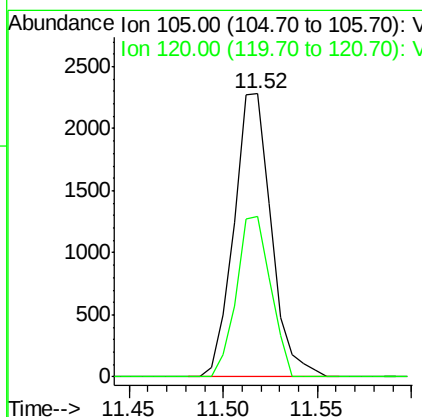
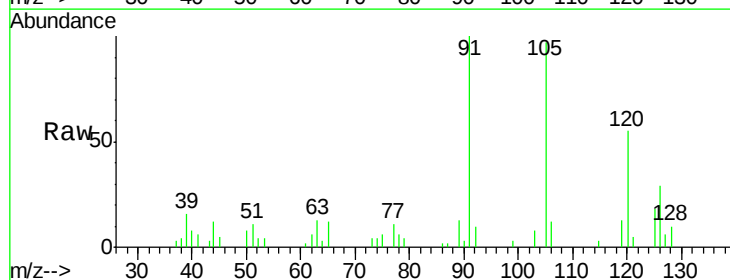
Instrument :  
 ClientSampled :  
 MDL01 0.5PPB

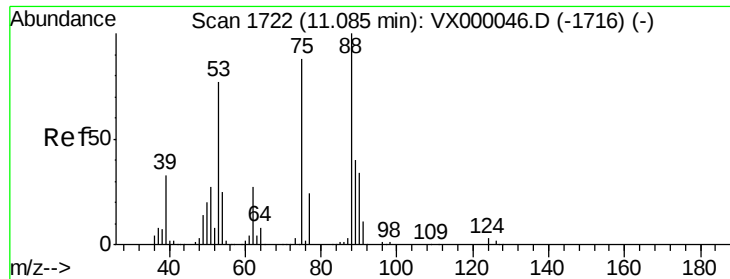
Tgt Ion: 91 Resp: 2569  
 Ion Ratio Lower Upper  
 91 100  
 126 36.6 18.2 54.6



#80  
 1,3,5-Trimethylbenzene  
 Concen: 0.56 ug/l  
 RT: 11.52 min Scan# 1793  
 Delta R.T. -0.00 min  
 Lab File: VX000051.D  
 Acq: 09 Feb 2018 19:23

Tgt Ion: 105 Resp: 3142  
 Ion Ratio Lower Upper  
 105 100  
 120 51.8 24.8 74.3

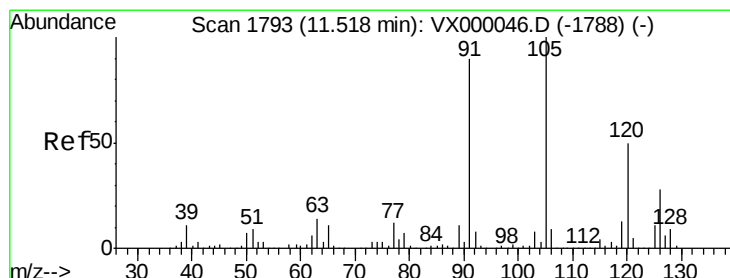
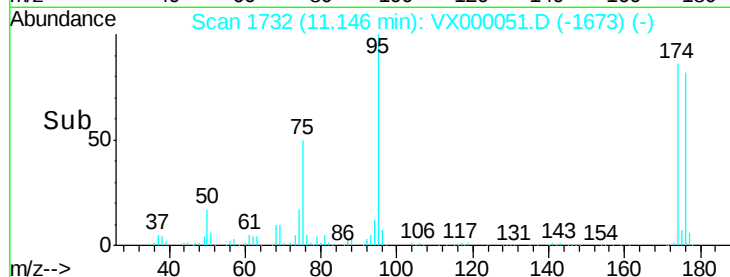
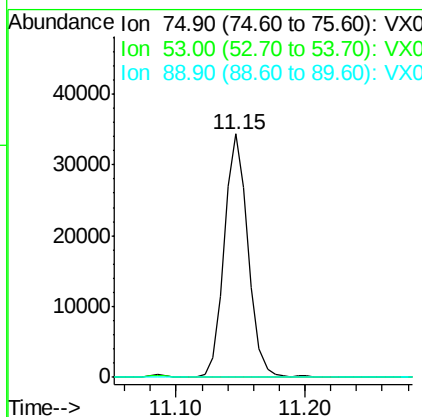
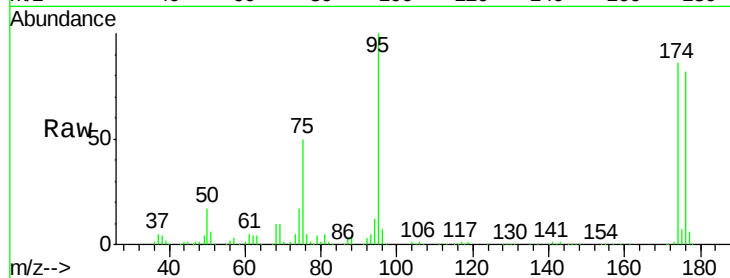




#81  
trans-1,4-Dichloro-2-butene  
Concen: 55.72 ug/l  
RT: 11.15 min Scan# 1732  
Delta R.T. 0.06 min  
Lab File: VX000051.D  
Acq: 09 Feb 2018 19:23

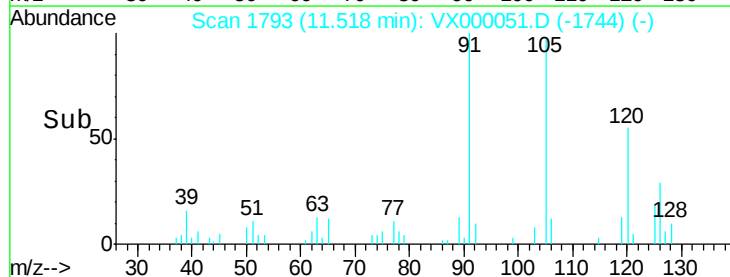
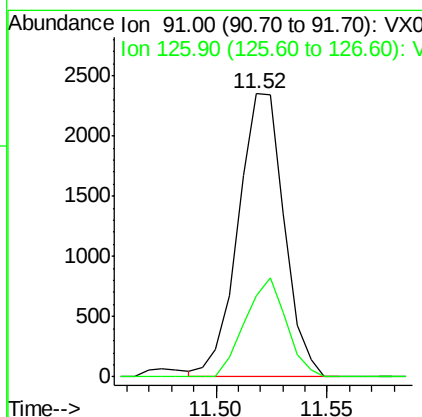
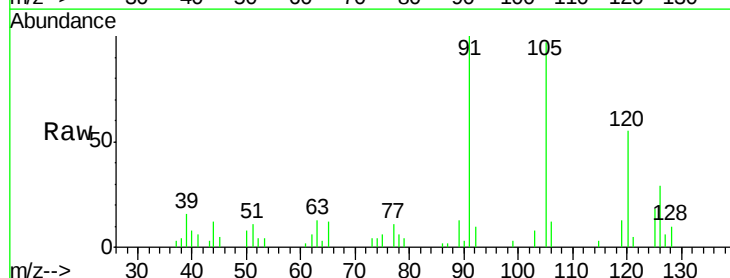
Instrument :  
ClientSampled :  
MDL01 0.5PPB

Tgt Ion: 75 Resp: 44679  
Ion Ratio Lower Upper  
75 100  
53 0.0 70.3 105.5#  
89 0.0 48.6 72.8#



#82  
4-Chlorotoluene  
Concen: 0.63 ug/l  
RT: 11.52 min Scan# 1793  
Delta R.T. -0.00 min  
Lab File: VX000051.D  
Acq: 09 Feb 2018 19:23

Tgt Ion: 91 Resp: 3393  
Ion Ratio Lower Upper  
91 100  
126 30.9 16.3 48.8

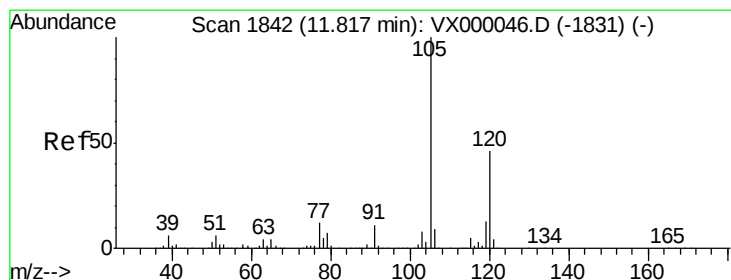
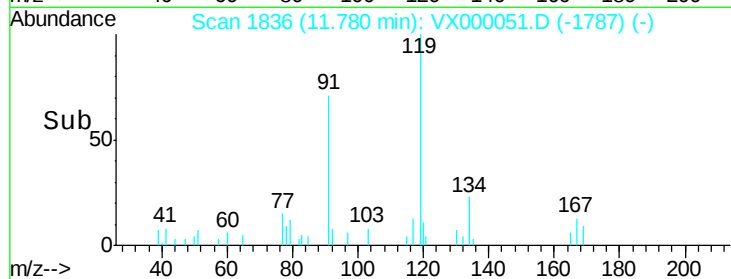
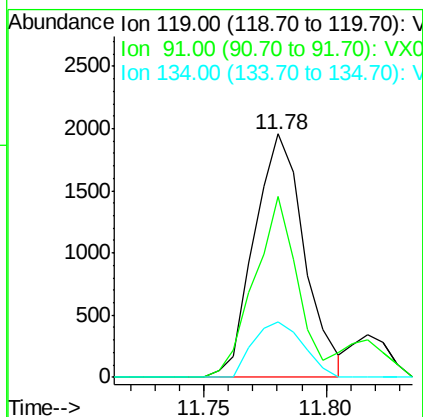
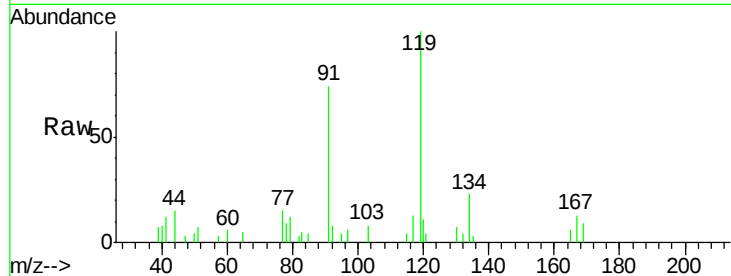




#83  
tert-Butylbenzene  
Concen: 0.50 ug/l  
RT: 11.78 min Scan# 1836  
Delta R.T. -0.00 min  
Lab File: VX000051.D  
Acq: 09 Feb 2018 19:23

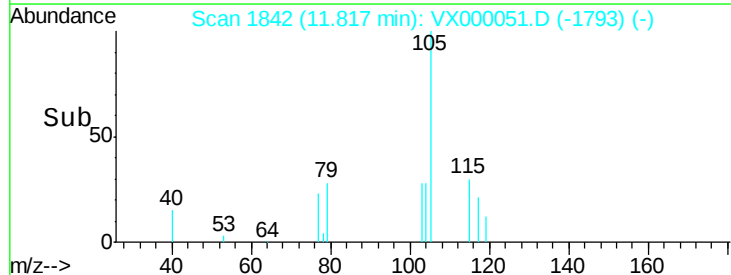
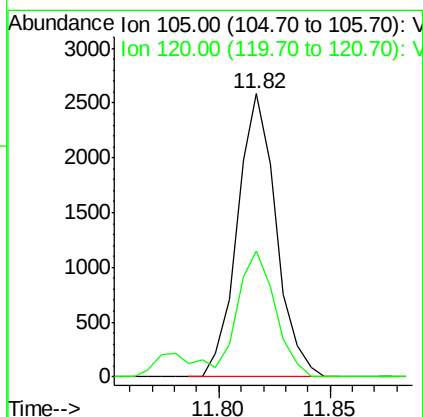
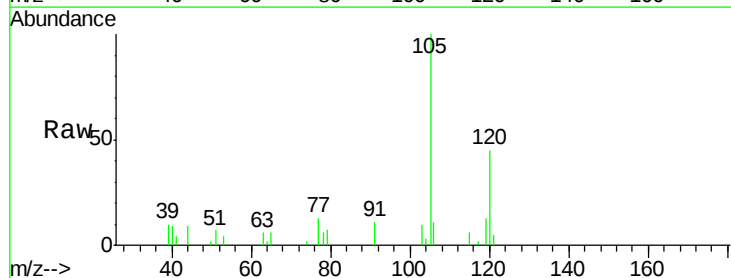
Instrument :  
ClientSampled :  
MDL01 0.5PPB

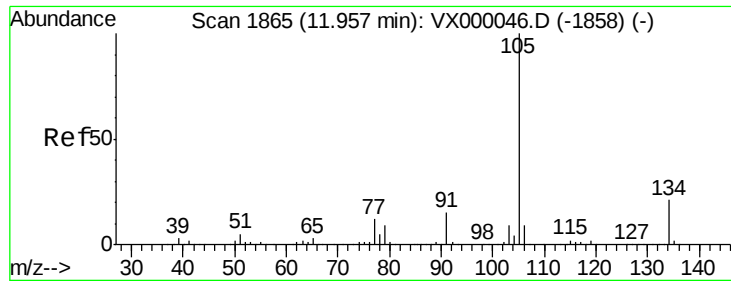
Tgt Ion:119 Resp: 2804  
Ion Ratio Lower Upper  
119 100  
91 63.4 27.9 83.7  
134 22.6 11.7 35.1



#84  
1,2,4-Trimethylbenzene  
Concen: 0.55 ug/l  
RT: 11.82 min Scan# 1842  
Delta R.T. -0.00 min  
Lab File: VX000051.D  
Acq: 09 Feb 2018 19:23

Tgt Ion:105 Resp: 3126  
Ion Ratio Lower Upper  
105 100  
120 42.7 23.4 70.2

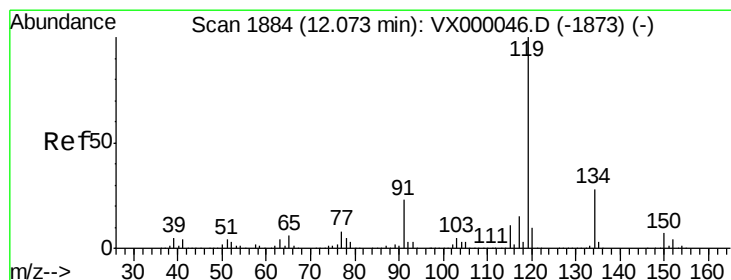
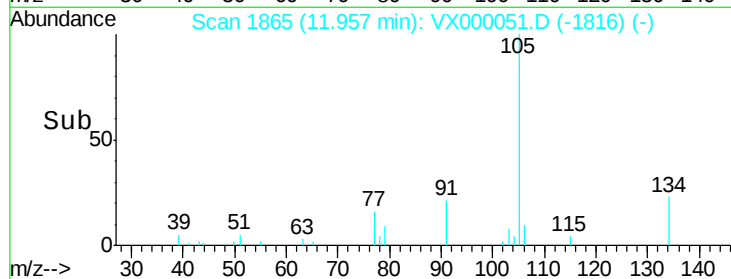
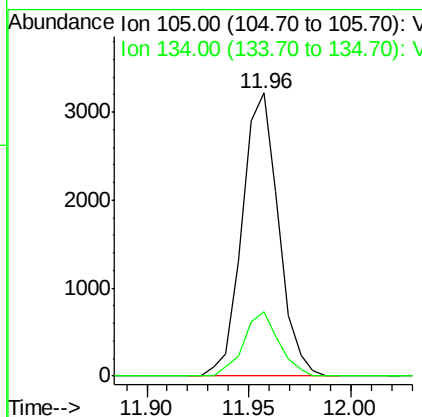
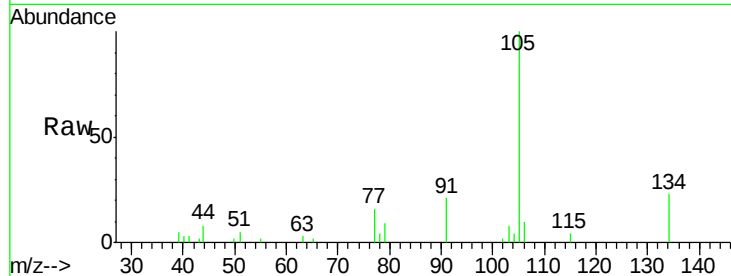




#85  
 sec-Butylbenzene  
 Concen: 0.57 ug/l  
 RT: 11.96 min Scan# 1865  
 Delta R.T. -0.00 min  
 Lab File: VX000051.D  
 Acq: 09 Feb 2018 19:23

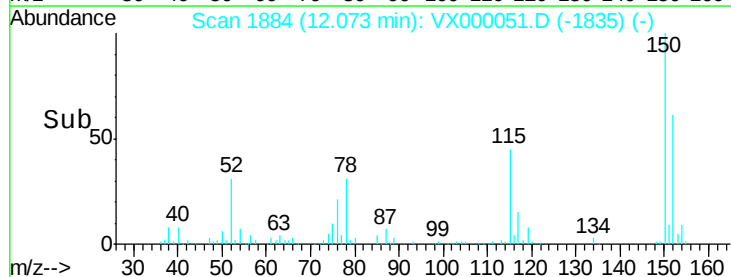
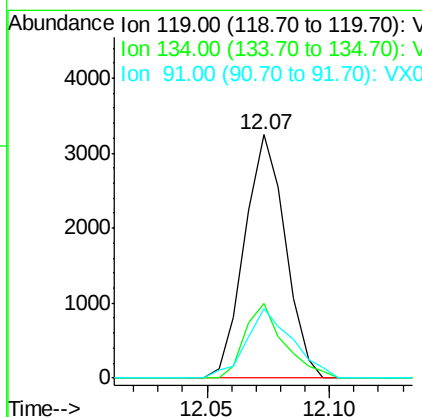
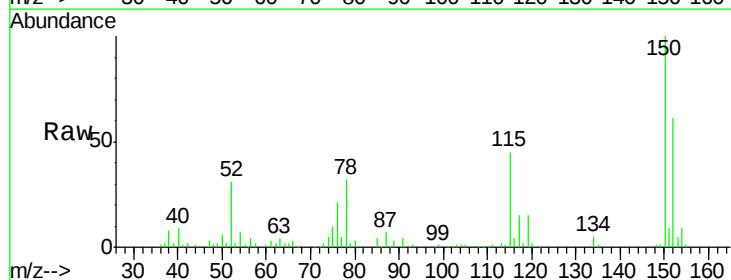
Instrument :  
 ClientSampled :  
 MDL01 0.5PPB

Tgt Ion:105 Resp: 3975  
 Ion Ratio Lower Upper  
 105 100  
 134 22.3 10.6 31.8



#86  
 p-Isopropyltoluene  
 Concen: 0.60 ug/l  
 RT: 12.07 min Scan# 1884  
 Delta R.T. -0.00 min  
 Lab File: VX000051.D  
 Acq: 09 Feb 2018 19:23

Tgt Ion:119 Resp: 3763  
 Ion Ratio Lower Upper  
 119 100  
 134 29.4 14.0 41.9  
 91 32.2 11.6 34.7





#87

1,3-Dichlorobenzene

Concen: 0.66 ug/l

RT: 12.04 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VX000051.D

Acq: 09 Feb 2018 19:23

Instrument :

ClientSampleId :

MDL01 0.5PPB

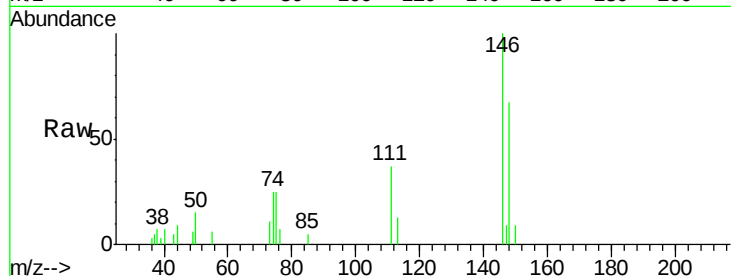
Tgt Ion:146 Resp: 2266

Ion Ratio Lower Upper

146 100

111 37.9 18.9 56.9

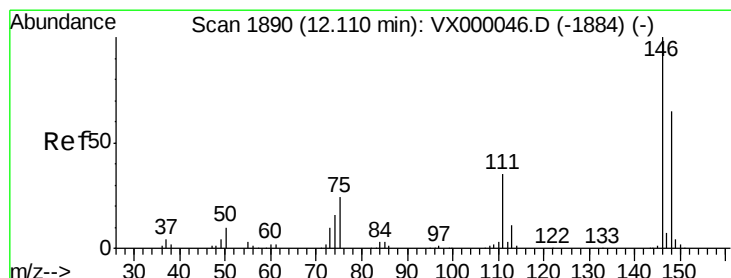
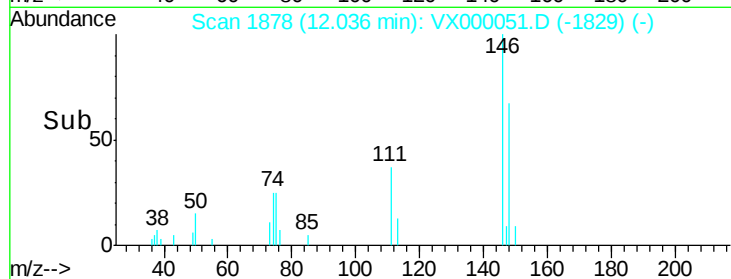
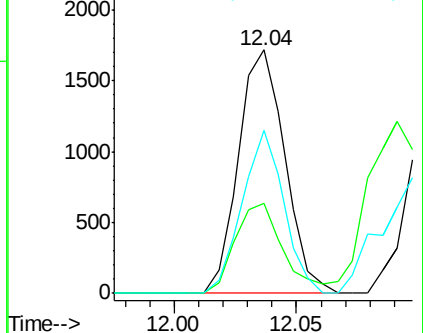
148 60.2 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 0.65 ug/l

RT: 12.04 min Scan# 1878

Delta R.T. -0.07 min

Lab File: VX000051.D

Acq: 09 Feb 2018 19:23

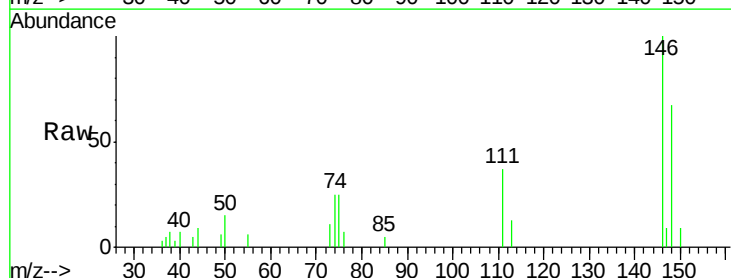
Tgt Ion:146 Resp: 2266

Ion Ratio Lower Upper

146 100

111 37.9 18.7 56.1

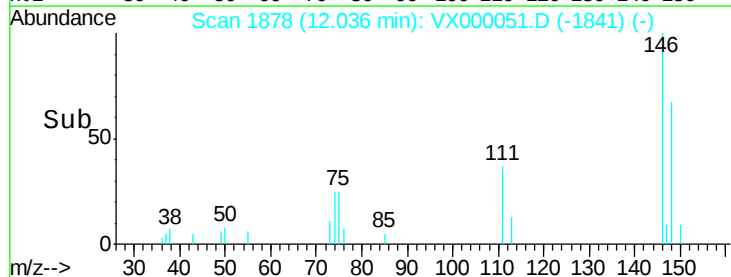
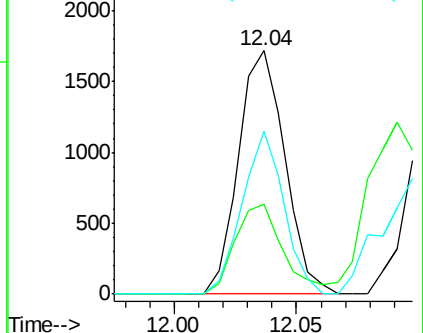
148 60.2 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 0.67 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX000051.D

Acq: 09 Feb 2018 19:23

Instrument :

ClientSampled :

MDL01 0.5PPB

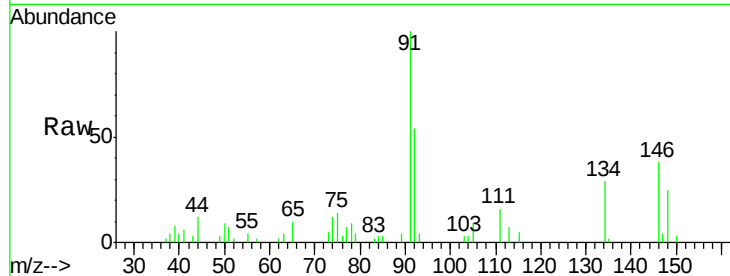
Tgt Ion: 91 Resp: 3906

Ion Ratio Lower Upper

91 100

92 53.2 26.1 78.2

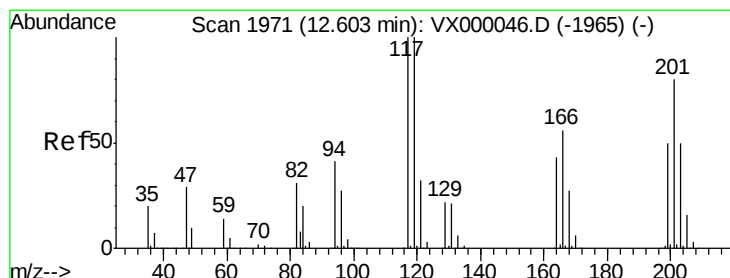
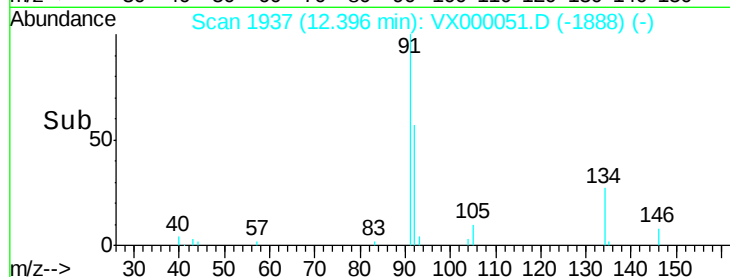
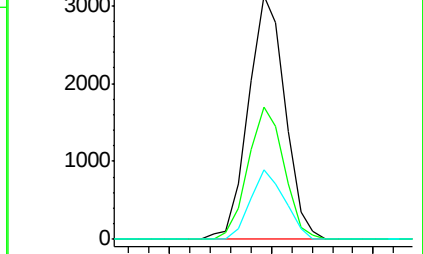
134 26.8 14.1 42.2



Abundance Ion 91.00 (90.70 to 91.70): VX000046.D (-1931) (-)

Ion 92.00 (91.70 to 92.70): VX000046.D (-1931) (-)

Ion 134.00 (133.70 to 134.70): VX000046.D (-1931) (-)



#90

Hexachloroethane

Concen: 0.46 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VX000051.D

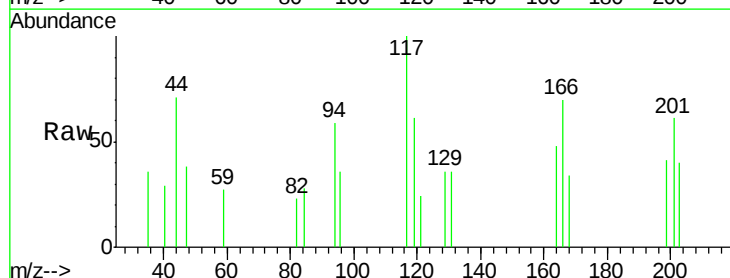
Acq: 09 Feb 2018 19:23

Tgt Ion: 117 Resp: 508

Ion Ratio Lower Upper

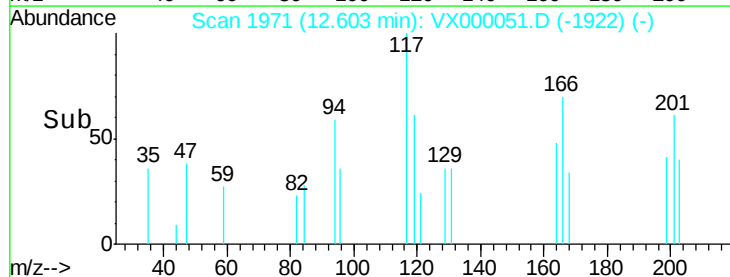
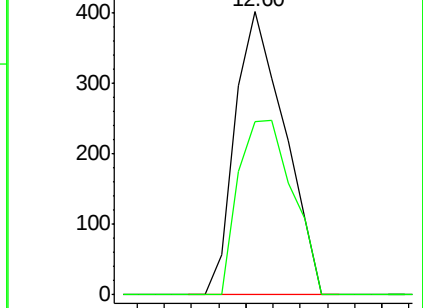
117 100

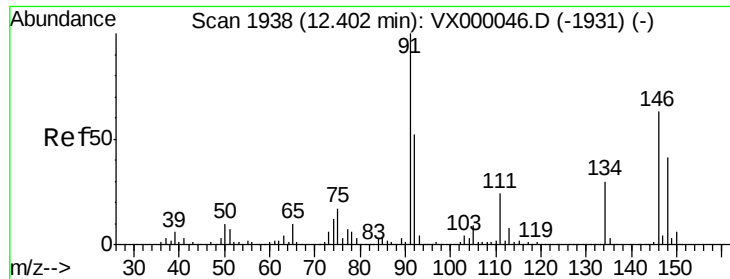
201 67.1 43.5 130.7



Abundance Ion 116.80 (116.50 to 117.50): VX000046.D (-1965) (-)

Ion 200.70 (200.40 to 201.40): VX000046.D (-1965) (-)

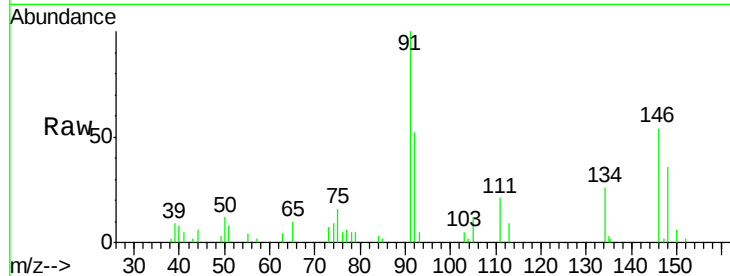




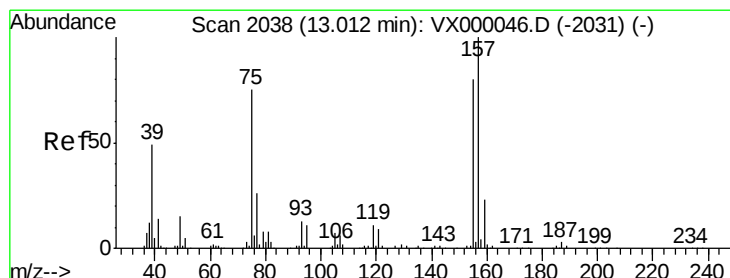
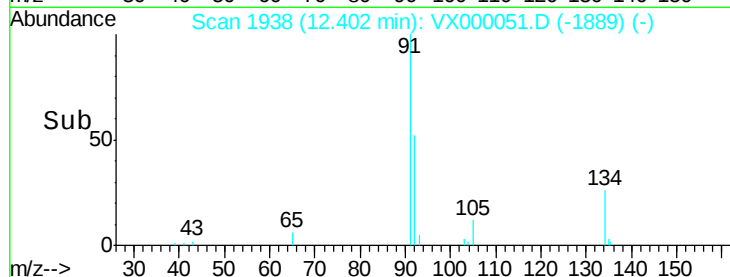
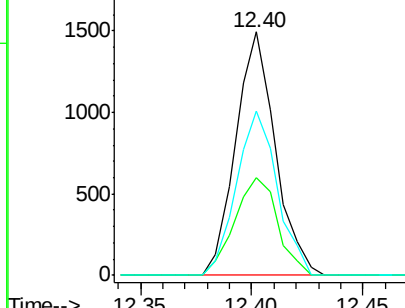
#91  
 1,2-Dichlorobenzene  
 Concen: 0.55 ug/l  
 RT: 12.40 min Scan# 1938  
 Delta R.T. -0.00 min  
 Lab File: VX000051.D  
 Acq: 09 Feb 2018 19:23

Instrument :  
 ClientSampled :  
 MDL01 0.5PPB

Tgt Ion: 146 Resp: 1851  
 Ion Ratio Lower Upper  
 146 100  
 111 43.4 19.4 58.2  
 148 69.6 32.0 96.2

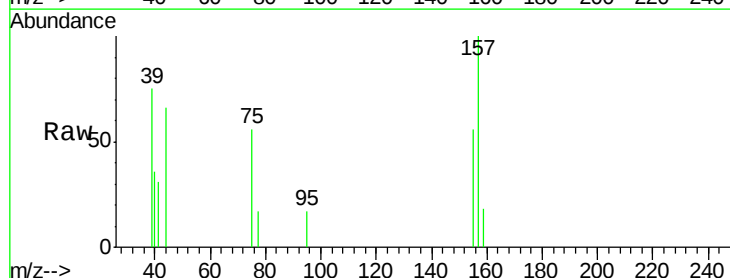


Abundance Ion 145.90 (145.60 to 146.60): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

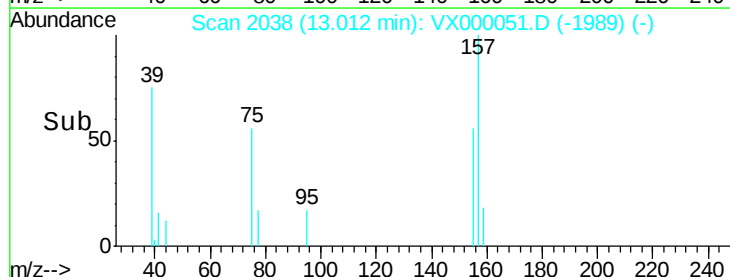
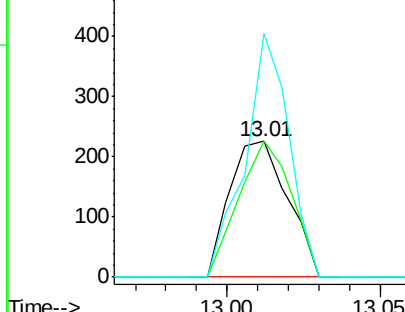


#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 0.45 ug/l  
 RT: 13.01 min Scan# 2038  
 Delta R.T. -0.00 min  
 Lab File: VX000051.D  
 Acq: 09 Feb 2018 19:23

Tgt Ion: 75 Resp: 296  
 Ion Ratio Lower Upper  
 75 100  
 155 91.2 52.0 156.0  
 157 136.1 65.3 195.9



Abundance Ion 74.90 (74.60 to 75.60): VX0  
 Ion 154.80 (154.50 to 155.50): V  
 Ion 156.80 (156.50 to 157.50): V

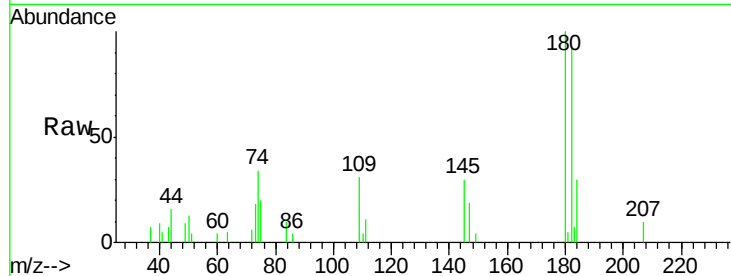




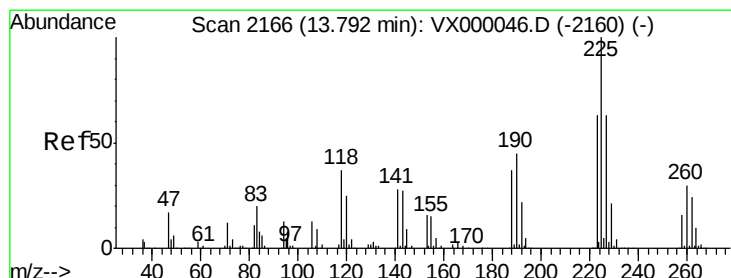
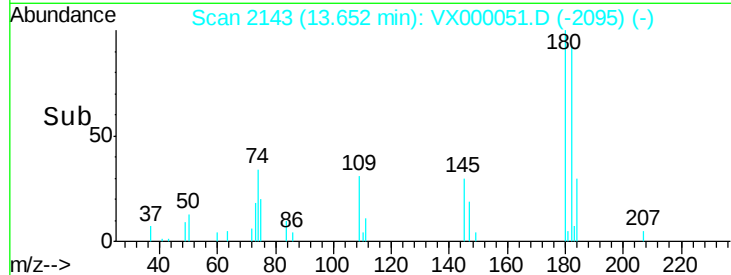
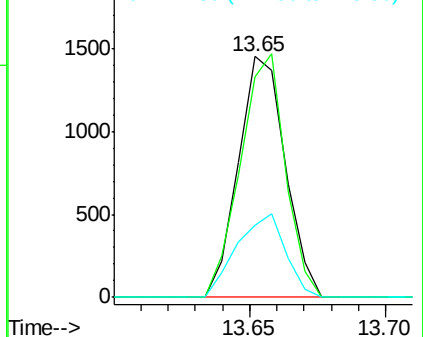
#93  
 1,2,4-Trichlorobenzene  
 Concen: 0.68 ug/l  
 RT: 13.65 min Scan# 2143  
 Delta R.T. -0.01 min  
 Lab File: VX000051.D  
 Acq: 09 Feb 2018 19:23

Instrument :  
 ClientSampled :  
 MDL01 0.5PPB

Tgt Ion:180 Resp: 1735  
 Ion Ratio Lower Upper  
 180 100  
 182 96.5 48.0 144.0  
 145 36.1 14.7 44.1

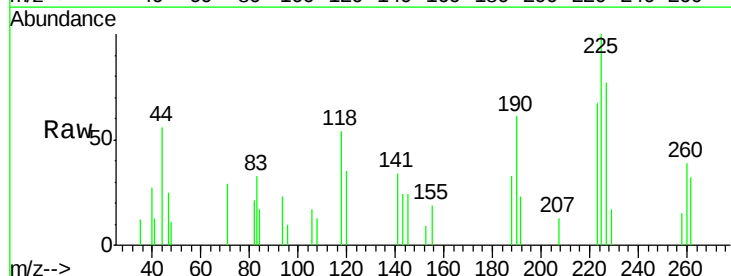


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

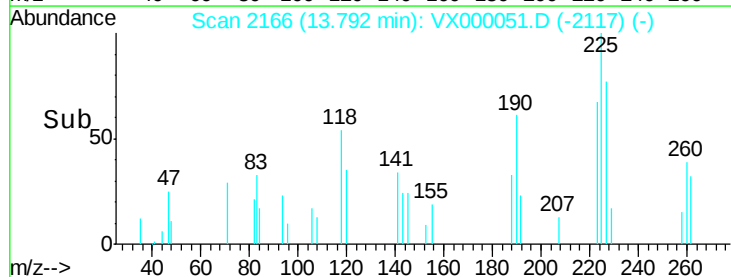
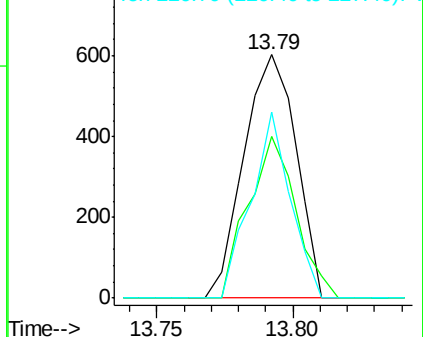


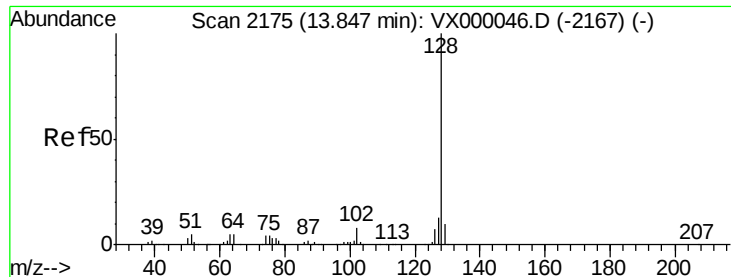
#94  
 Hexachlorobutadiene  
 Concen: 0.66 ug/l  
 RT: 13.79 min Scan# 2166  
 Delta R.T. -0.00 min  
 Lab File: VX000051.D  
 Acq: 09 Feb 2018 19:23

Tgt Ion:225 Resp: 800  
 Ion Ratio Lower Upper  
 225 100  
 223 60.8 31.9 95.5  
 227 58.0 31.6 95.0



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

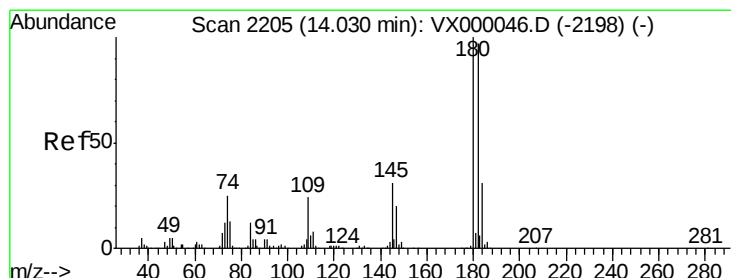
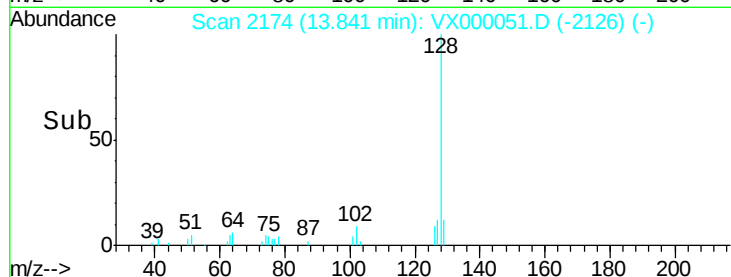
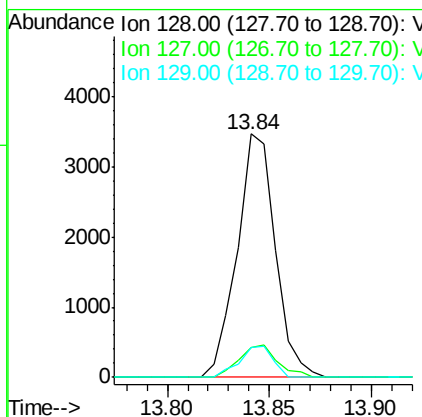
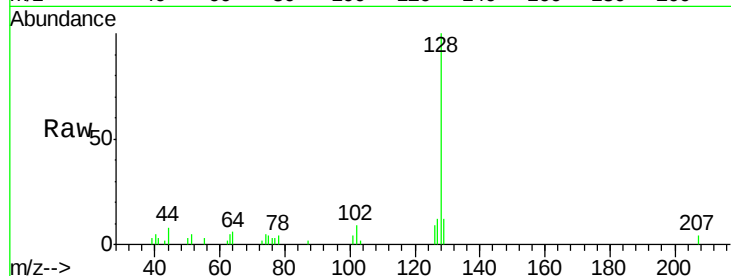




#95  
Naphthalene  
Concen: 0.54 ug/l  
RT: 13.84 min Scan# 2174  
Delta R.T. -0.01 min  
Lab File: VX000051.D  
Acq: 09 Feb 2018 19:23

Instrument :  
ClientSampled :  
MDL01 0.5PPB

Tgt Ion:128 Resp: 4513  
Ion Ratio Lower Upper  
128 100  
127 13.5 10.3 15.5  
129 11.3 8.6 13.0



#96  
1,2,3-Trichlorobenzene  
Concen: 0.61 ug/l  
RT: 14.03 min Scan# 2205  
Delta R.T. -0.00 min  
Lab File: VX000051.D  
Acq: 09 Feb 2018 19:23

Tgt Ion:180 Resp: 1529  
Ion Ratio Lower Upper  
180 100  
182 98.0 47.9 143.7  
145 34.2 15.7 47.0

