

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071818\  
 Data File : VF059522.D  
 Acq On : 18 Jul 2018 19:54  
 Operator : VA/AP  
 Sample : VF0718SBS01  
 Misc : 5.00g/5mL/MSVOA F/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :

Quant Time: Jul 19 01:34:36 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F071718S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 18 04:09:10 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.02  | 168  | 268067   | 50.00 | ug/l  | -0.03    |
| 34) 1,4-Difluorobenzene    | 5.74  | 114  | 384466   | 50.00 | ug/l  | -0.04    |
| 63) Chlorobenzene-d5       | 9.90  | 117  | 391920   | 50.00 | ug/l  | -0.03    |
| 72) 1,4-Dichlorobenzene-d4 | 12.62 | 152  | 240382   | 50.00 | ug/l  | -0.02    |

## System Monitoring Compounds

|                           |        |     |          |       |         |       |
|---------------------------|--------|-----|----------|-------|---------|-------|
| 33) 1,2-Dichloroethane-d4 | 5.00   | 65  | 223163   | 53.53 | ug/l    | -0.03 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 107.06% |       |
| 35) Dibromofluoromethane  | 4.28   | 113 | 175889   | 52.82 | ug/l    | -0.03 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.64% |       |
| 50) Toluene-d8            | 7.70   | 98  | 403902   | 48.16 | ug/l    | -0.03 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.32%  |       |
| 62) 4-Bromofluorobenzene  | 11.50  | 95  | 221272   | 50.29 | ug/l    | -0.02 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.58% |       |

## Target Compounds

|                               |      |     |        |         |        | Qvalue |
|-------------------------------|------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 0.97 | 85  | 70250  | 21.389  | ug/l   | 98     |
| 3) Chloromethane              | 1.08 | 50  | 33669  | 18.631  | ug/l # | 87     |
| 4) Vinyl Chloride             | 1.14 | 62  | 41427  | 22.719  | ug/l   | 96     |
| 5) Bromomethane               | 1.34 | 94  | 26063  | 20.624  | ug/l   | 89     |
| 6) Chloroethane               | 1.42 | 64  | 19058  | 20.727  | ug/l   | 92     |
| 7) Trichlorofluoromethane     | 1.52 | 101 | 84601  | 18.958  | ug/l   | 94     |
| 8) Diethyl Ether              | 1.69 | 74  | 18645  | 21.712  | ug/l   | 82     |
| 9) 1,1,2-Trichlorotrifluoroet | 1.89 | 101 | 44584  | 23.657  | ug/l   | 89     |
| 10) Methyl Iodide             | 1.96 | 142 | 83762  | 25.389  | ug/l   | 99     |
| 11) Tert butyl alcohol        | 2.69 | 59  | 23183  | 124.957 | ug/l # | 78     |
| 12) 1,1-Dichloroethene        | 1.85 | 96  | 44594  | 22.250  | ug/l   | 96     |
| 13) Acrolein                  | 2.08 | 56  | 11693  | 133.091 | ug/l   | 99     |
| 14) Allyl chloride            | 2.18 | 41  | 66217  | 26.474  | ug/l   | 85     |
| 15) Acrylonitrile             | 3.06 | 53  | 41383  | 118.309 | ug/l   | 91     |
| 16) Acetone                   | 2.33 | 43  | 90696  | 132.719 | ug/l   | 97     |
| 17) Carbon Disulfide          | 1.86 | 76  | 110616 | 21.538  | ug/l   | 95     |
| 18) Methyl Acetate            | 2.52 | 43  | 46356  | 35.528  | ug/l   | 98     |
| 19) Methyl tert-butyl Ether   | 2.53 | 73  | 136071 | 21.642  | ug/l   | 95     |
| 20) Methylene Chloride        | 2.30 | 84  | 49050  | 23.664  | ug/l # | 80     |
| 21) trans-1,2-Dichloroethene  | 2.40 | 96  | 42135  | 22.738  | ug/l   | 100    |
| 22) Diisopropyl ether         | 2.92 | 45  | 153771 | 21.875  | ug/l   | 94     |
| 23) Vinyl Acetate             | 3.32 | 43  | 487050 | 118.570 | ug/l   | 97     |
| 24) 1,1-Dichloroethane        | 2.98 | 63  | 98773  | 22.753  | ug/l   | 99     |
| 25) 2-Butanone                | 4.49 | 43  | 106881 | 110.421 | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 3.74 | 77  | 69034  | 24.037  | ug/l   | 98     |
| 27) cis-1,2-Dichloroethene    | 3.61 | 96  | 58662  | 27.200  | ug/l   | 97     |
| 28) Bromochloromethane        | 3.86 | 49  | 39705  | 20.779  | ug/l # | 90     |
| 29) Tetrahydrofuran           | 4.25 | 42  | 48594  | 111.515 | ug/l   | 99     |
| 30) Chloroform                | 4.02 | 83  | 141408 | 22.549  | ug/l   | 99     |
| 31) Cyclohexane               | 3.85 | 56  | 58770  | 26.137  | ug/l   | 96     |
| 32) 1,1,1-Trichloroethane     | 4.26 | 97  | 104393 | 25.616  | ug/l   | 96     |
| 36) 1,1-Dichloropropene       | 4.44 | 75  | 86520  | 22.483  | ug/l   | 97     |
| 37) Ethyl Acetate             | 4.28 | 43  | 53258  | 22.543  | ug/l # | 36     |
| 38) Carbon Tetrachloride      | 4.15 | 117 | 130890 | 29.680  | ug/l   | 97     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071818\  
 Data File : VF059522.D  
 Acq On : 18 Jul 2018 19:54  
 Operator : VA/AP  
 Sample : VF0718SBS01  
 Misc : 5.00g/5mL/MSVOA F/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :

Quant Time: Jul 19 01:34:36 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F071718S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 18 04:09:10 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 5.61  | 83   | 77553    | 26.555  | ug/l   | 90       |
| 40) Benzene                    | 4.79  | 78   | 175215   | 23.469  | ug/l   | 97       |
| 41) Methacrylonitrile          | 4.91  | 41   | 21455    | 19.441  | ug/l # | 76       |
| 42) 1,2-Dichloroethane         | 5.10  | 62   | 113143   | 23.072  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 7.09  | 43   | 60255    | 21.790  | ug/l   | 93       |
| 44) Trichloroethene            | 5.66  | 130  | 66972    | 24.235  | ug/l   | 96       |
| 45) 1,2-Dichloropropane        | 6.38  | 63   | 47578    | 22.961  | ug/l   | 95       |
| 46) Dibromomethane             | 6.24  | 93   | 45404    | 24.060  | ug/l   | 90       |
| 47) Bromodichloromethane       | 6.53  | 83   | 109954   | 22.636  | ug/l   | 95       |
| 48) Methyl methacrylate        | 6.86  | 41   | 47367    | 23.984  | ug/l   | 90       |
| 49) 1,4-Dioxane                | 6.85  | 88   | 5511     | 580.371 | ug/l # | 87       |
| 51) 4-Methyl-2-Pentanone       | 8.39  | 43   | 221663   | 113.085 | ug/l   | 95       |
| 52) Toluene                    | 7.76  | 92   | 127332   | 23.517  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 8.42  | 75   | 101637   | 22.747  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 7.44  | 75   | 101724   | 22.865  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 8.62  | 97   | 49002    | 23.358  | ug/l   | 91       |
| 56) Ethyl methacrylate         | 8.74  | 69   | 57194    | 21.984  | ug/l   | 93       |
| 57) 1,3-Dichloropropane        | 8.99  | 76   | 84250    | 22.711  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 7.76  | 63   | 26893    | 117.083 | ug/l   | 100      |
| 59) 2-Hexanone                 | 9.62  | 43   | 170775   | 115.279 | ug/l   | 95       |
| 60) Dibromochloromethane       | 8.85  | 129  | 83587    | 23.642  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 9.12  | 107  | 59597    | 22.895  | ug/l   | 89       |
| 64) Tetrachloroethene          | 8.29  | 164  | 62685    | 21.478  | ug/l   | 89       |
| 65) Chlorobenzene              | 9.92  | 112  | 166680   | 22.677  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.05 | 131  | 75366    | 22.511  | ug/l   | 92       |
| 67) Ethyl Benzene              | 10.02 | 91   | 296692   | 22.677  | ug/l   | 96       |
| 68) m/p-Xylenes                | 10.25 | 106  | 217200   | 47.036  | ug/l   | 96       |
| 69) o-Xylene                   | 10.82 | 106  | 111789   | 22.735  | ug/l   | 96       |
| 70) Styrene                    | 10.89 | 104  | 170408   | 22.547  | ug/l   | 98       |
| 71) Bromoform                  | 10.88 | 173  | 51930    | 22.331  | ug/l   | 98       |
| 73) Isopropylbenzene           | 11.21 | 105  | 335522   | 22.120  | ug/l   | 100      |
| 74) N-amyl acetate             | 11.45 | 43   | 97651    | 20.101  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.78 | 83   | 70016    | 21.163  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 11.88 | 75   | 59223    | 21.921  | ug/l   | 89       |
| 77) Bromobenzene               | 11.59 | 156  | 91536    | 21.530  | ug/l   | 98       |
| 78) n-propylbenzene            | 11.68 | 91   | 389635   | 22.393  | ug/l   | 96       |
| 79) 2-Chlorotoluene            | 11.81 | 91   | 241109   | 22.497  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene     | 11.90 | 105  | 292959   | 23.049  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 11.94 | 75   | 35886    | 29.078  | ug/l   | 88       |
| 82) 4-Chlorotoluene            | 11.98 | 91   | 265242   | 22.087  | ug/l   | 92       |
| 83) tert-Butylbenzene          | 12.21 | 119  | 283597   | 23.248  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene     | 12.28 | 105  | 292373   | 22.358  | ug/l   | 97       |
| 85) sec-Butylbenzene           | 12.38 | 105  | 360935   | 23.265  | ug/l   | 97       |
| 86) p-Isopropyltoluene         | 12.53 | 119  | 336054   | 24.896  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.55 | 146  | 168282   | 23.071  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 12.63 | 146  | 161915   | 22.528  | ug/l   | 97       |
| 89) n-Butylbenzene             | 12.91 | 91   | 293312   | 23.219  | ug/l   | 96       |
| 90) Hexachloroethane           | 12.99 | 117  | 75396    | 24.590  | ug/l   | 87       |
| 91) 1,2-Dichlorobenzene        | 13.01 | 146  | 158897   | 22.778  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.71 | 75   | 16799    | 22.413  | ug/l   | 94       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF071818\  
Data File : VF059522.D  
Acq On : 18 Jul 2018 19:54  
Operator : VA/AP  
Sample : VF0718SBSD01  
Misc : 5.00g/5mL/MSVOA F/SOIL  
ALS Vial : 7 Sample Multiplier: 1

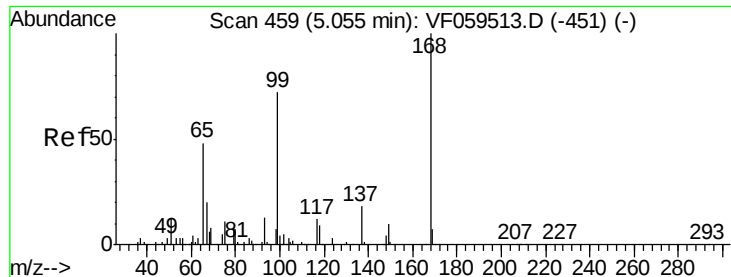
Instrument :  
MSVOA\_F  
ClientSampleId :

Quant Time: Jul 19 01:34:36 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F071718S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jul 18 04:09:10 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.26 | 180  | 102757   | 24.242 | ug/l  | 96       |
| 94) Hexachlorobutadiene    | 14.25 | 225  | 57186    | 26.335 | ug/l  | 97       |
| 95) Naphthalene            | 14.52 | 128  | 198693   | 22.564 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.66 | 180  | 90566    | 23.647 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 456

Delta R.T. -0.03 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

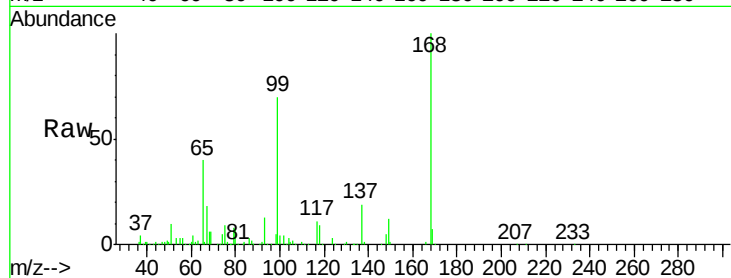
Instrument :  
MSVOA\_F  
ClientSampled :

Tot Ion:168 Resp: 268067

Ion Ratio Lower Upper

168 100

99 70.0 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

100000

80000

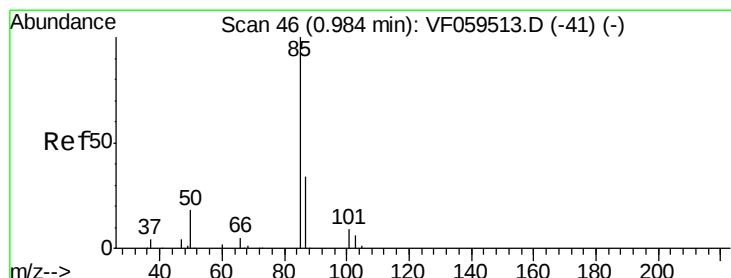
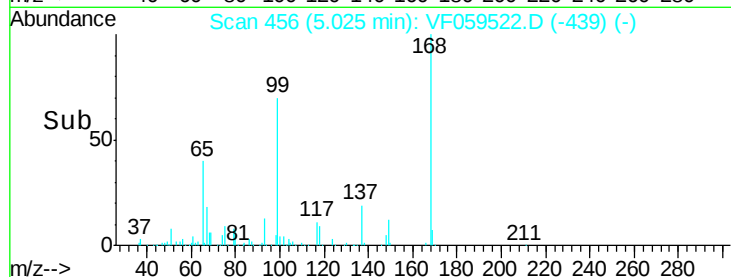
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.389 ug/l

RT: 0.97 min Scan# 45

Delta R.T. -0.01 min

Lab File: VF059522.D

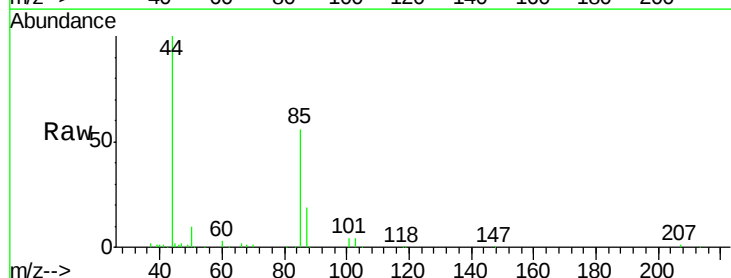
Acq: 18 Jul 2018 19:54

Tgt Ion: 85 Resp: 70250

Ion Ratio Lower Upper

85 100

87 34.8 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

20000

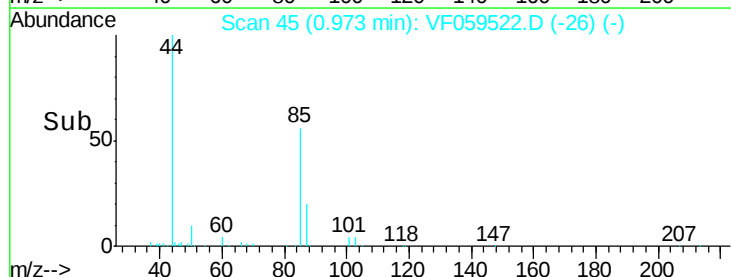
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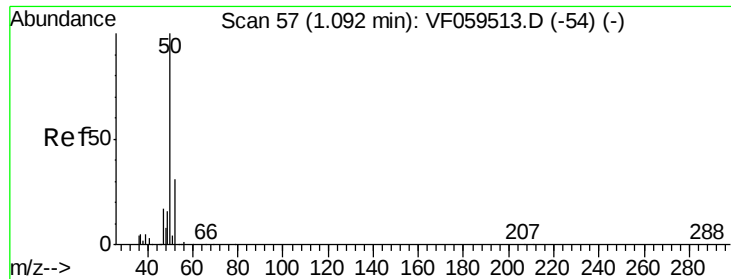
10000

5000

0

Time-->





#3

Chloromethane

Concen: 18.631 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Instrument :

MSVOA\_F

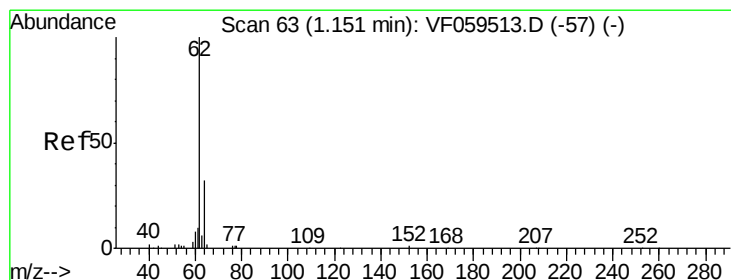
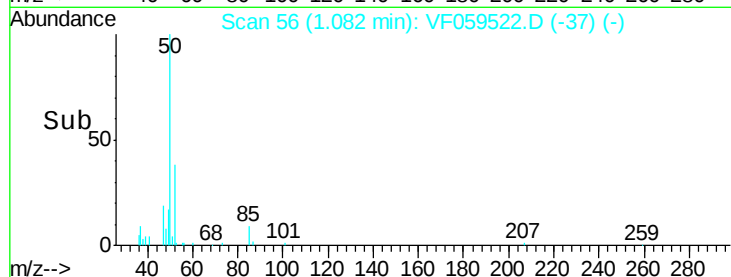
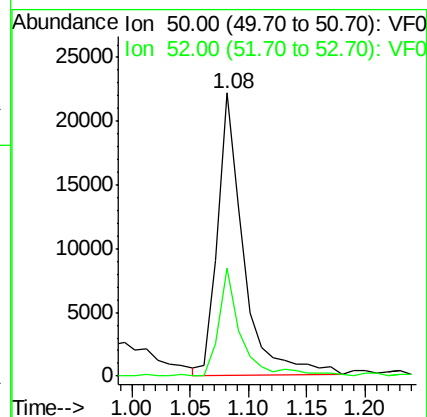
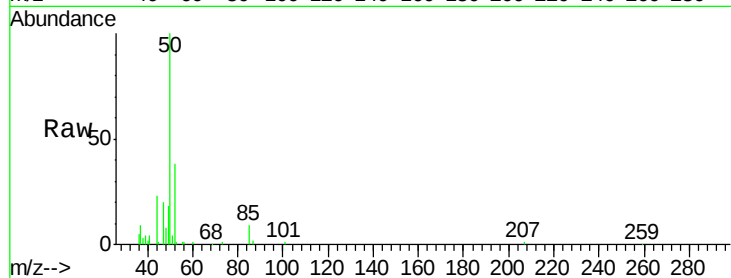
ClientSampleId :

Tot Ion: 50 Resp: 33669

Ion Ratio Lower Upper

50 100

52 38.0 24.6 37.0#



#4

Vinyl Chloride

Concen: 22.719 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059522.D

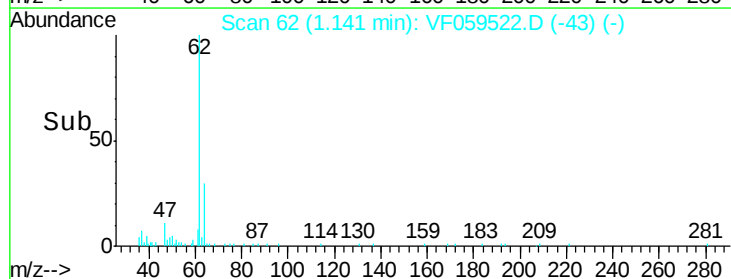
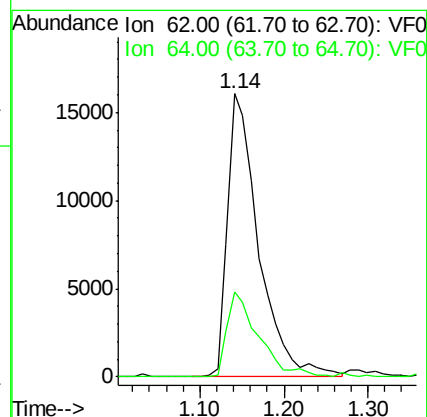
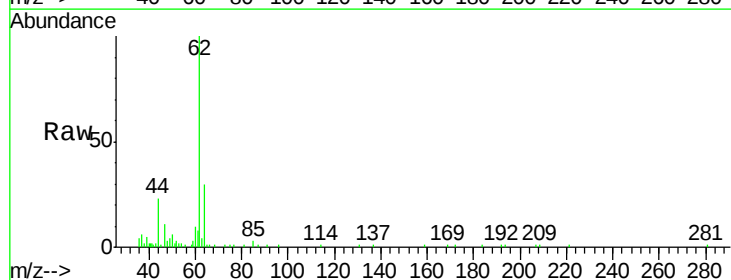
Acq: 18 Jul 2018 19:54

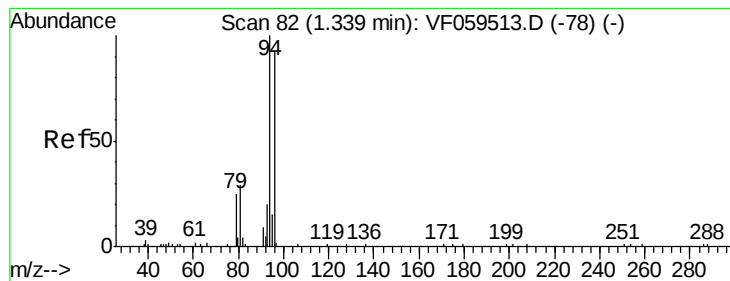
Tgt Ion: 62 Resp: 41427

Ion Ratio Lower Upper

62 100

64 30.0 25.7 38.5





#5

Bromomethane

Concen: 20.624 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.00 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

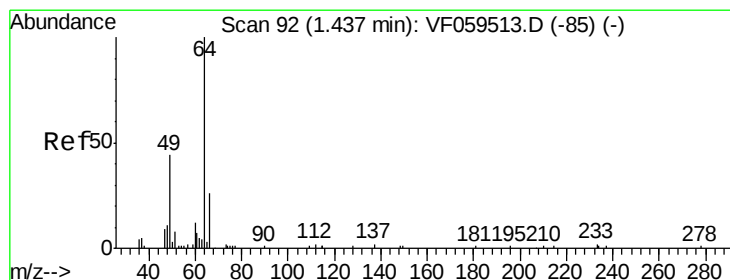
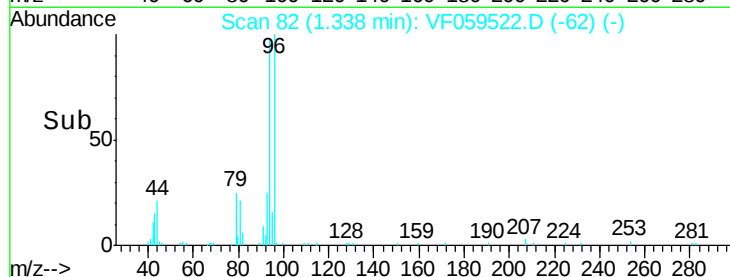
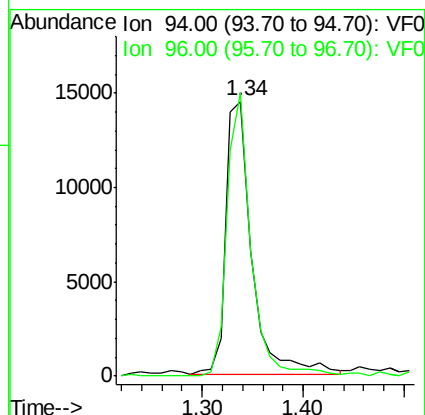
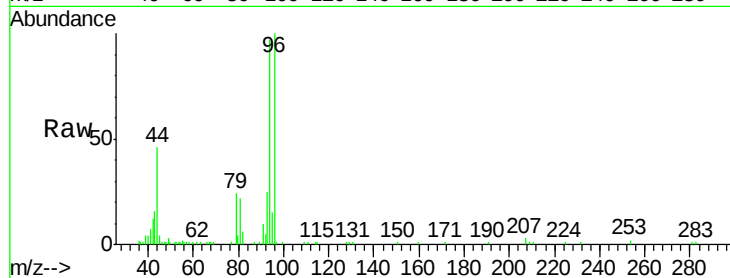
Instrument :  
MSVOA\_F  
ClientSampleId :

Tot Ion: 94 Resp: 26063

Ion Ratio Lower Upper

94 100

96 102.9 74.2 111.2



#6

Chloroethane

Concen: 20.727 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.02 min

Lab File: VF059522.D

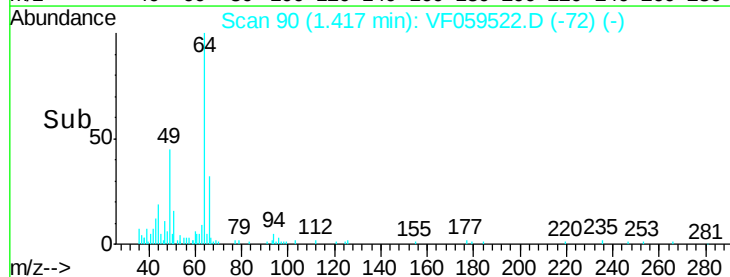
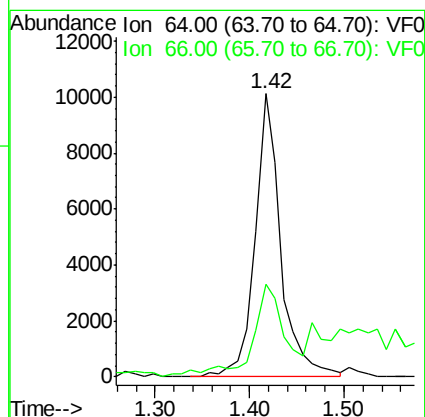
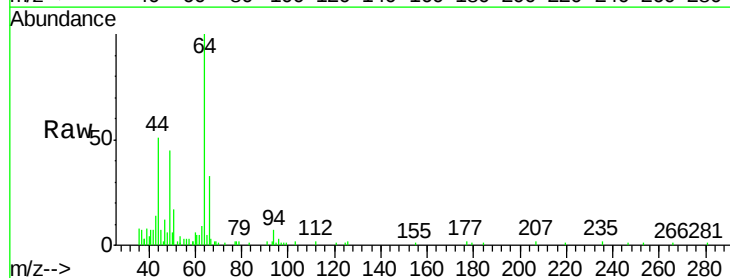
Acq: 18 Jul 2018 19:54

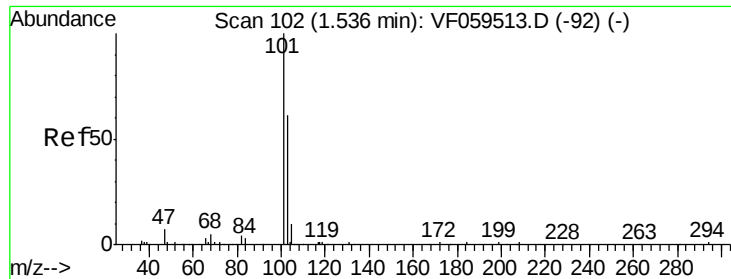
Tgt Ion: 64 Resp: 19058

Ion Ratio Lower Upper

64 100

66 32.6 22.9 34.3



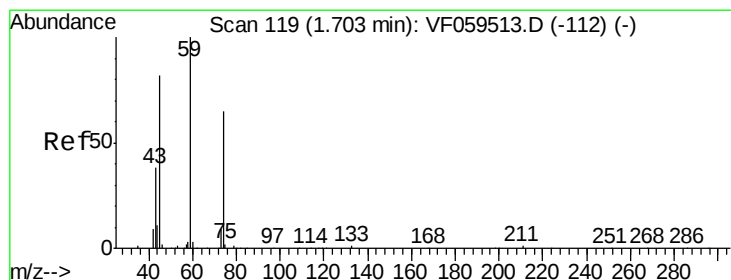
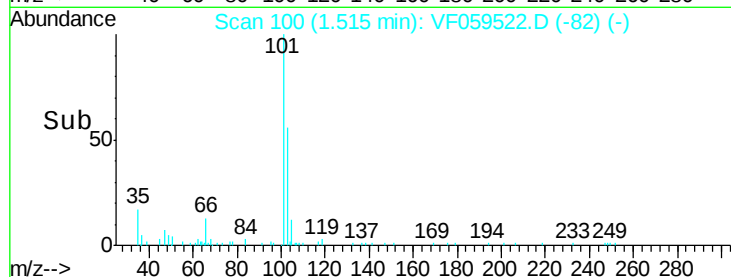
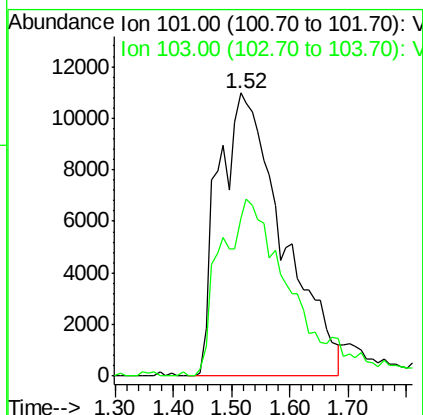
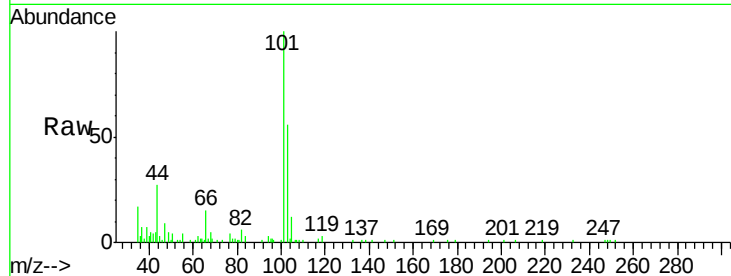


#7

Trichlorofluoromethane  
Concen: 18.958 ug/l  
RT: 1.52 min Scan# 100  
Delta R.T. -0.02 min  
Lab File: VF059522.D  
Acq: 18 Jul 2018 19:54

Instrument :  
MSVOA\_F  
ClientSampleId :

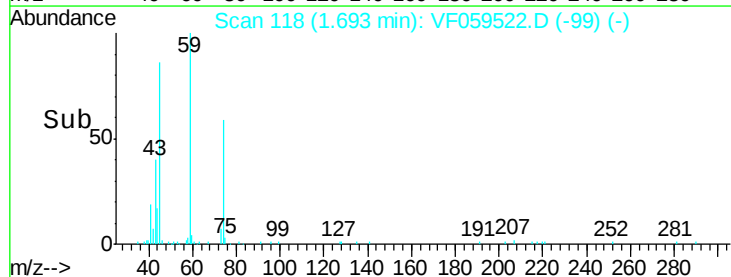
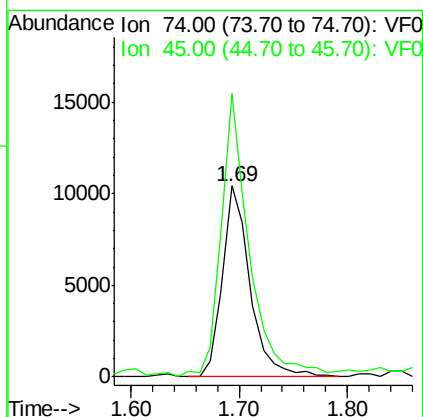
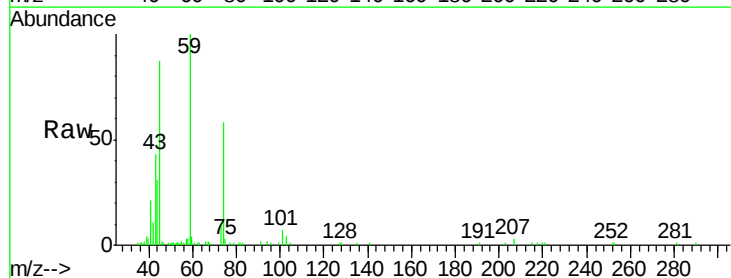
Tot Ion:101 Resp: 84601  
Ion Ratio Lower Upper  
101 100  
103 56.0 48.6 72.8

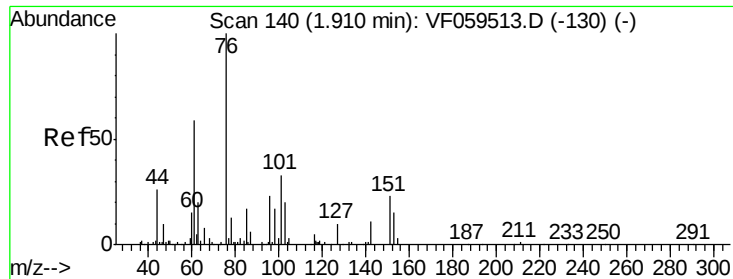


#8

Diethyl Ether  
Concen: 21.712 ug/l  
RT: 1.69 min Scan# 118  
Delta R.T. -0.01 min  
Lab File: VF059522.D  
Acq: 18 Jul 2018 19:54

Tgt Ion: 74 Resp: 18645  
Ion Ratio Lower Upper  
74 100  
45 148.2 63.6 190.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.657 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF059522.D

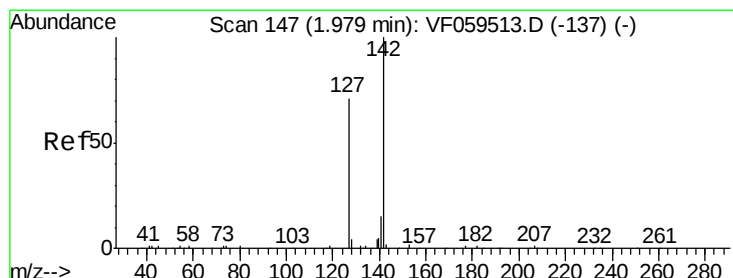
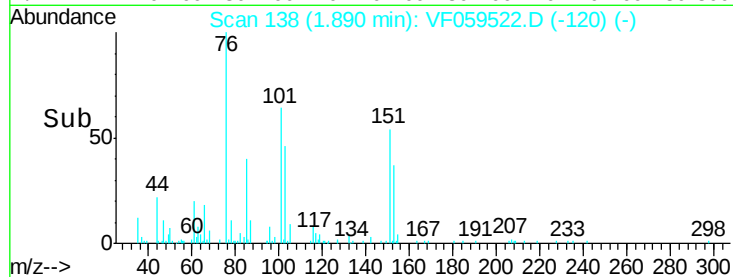
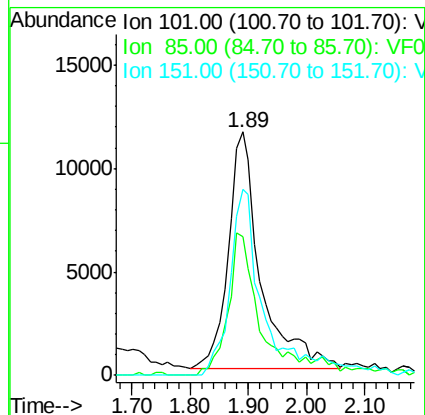
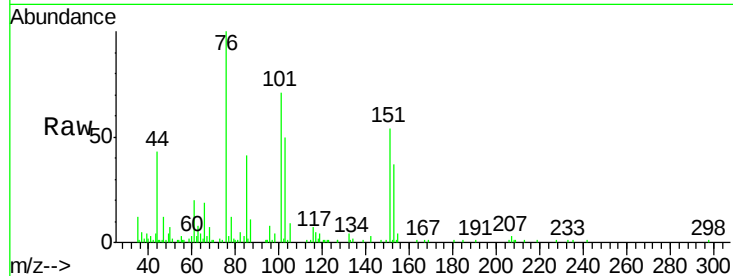
Acq: 18 Jul 2018 19:54

Instrument :

MSVOA\_F

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 101   | Resp: | 44584 |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 57.1  | 39.8  | 59.6  |
| 151      | 76.3  | 54.2  | 81.2  |



#10

Methyl Iodide

Concen: 25.389 ug/l

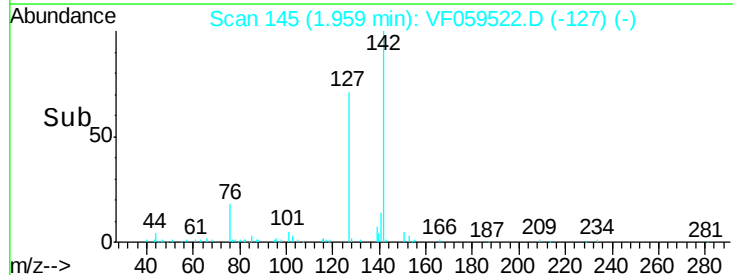
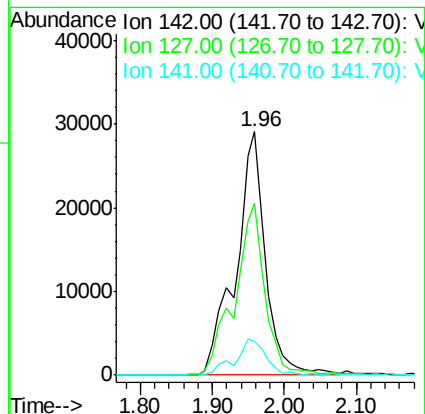
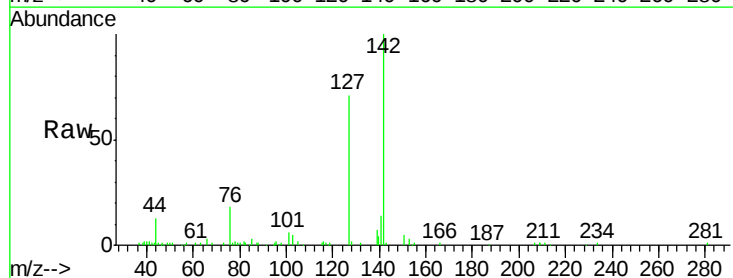
RT: 1.96 min Scan# 145

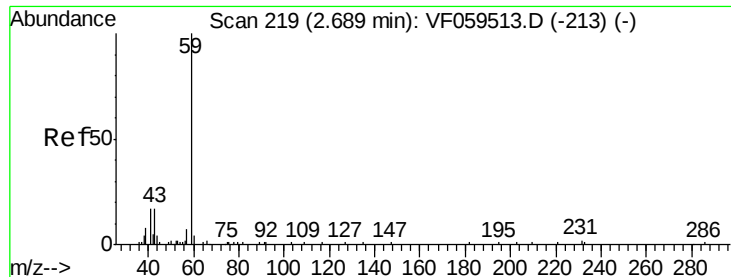
Delta R.T. -0.02 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 83762 |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 127      | 69.9  | 56.4  | 84.6  |
| 141      | 13.9  | 12.0  | 18.0  |



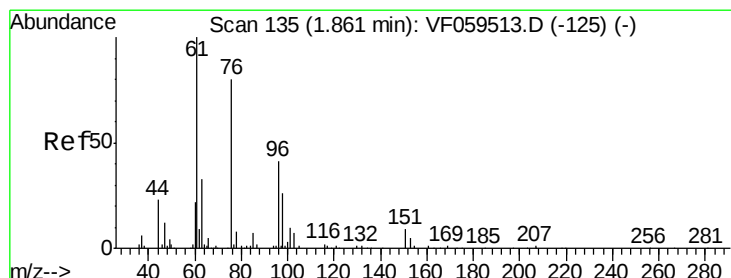
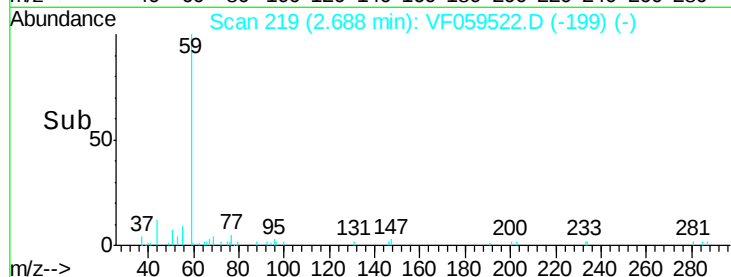
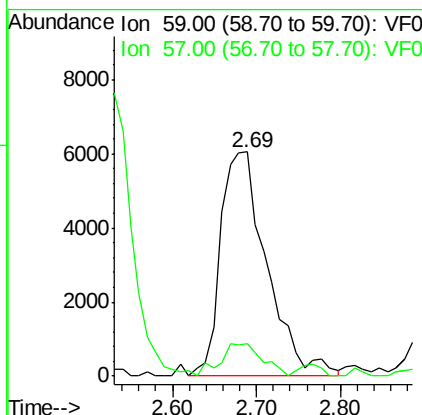
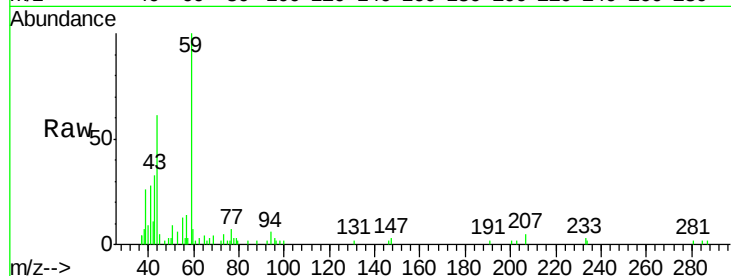


#11

Tert butyl alcohol  
 Concen: 124.957 ug/l  
 RT: 2.69 min Scan# 219  
 Delta R.T. -0.00 min  
 Lab File: VF059522.D  
 Acq: 18 Jul 2018 19:54

Instrument :  
 MSVOA\_F  
 ClientSampleId :

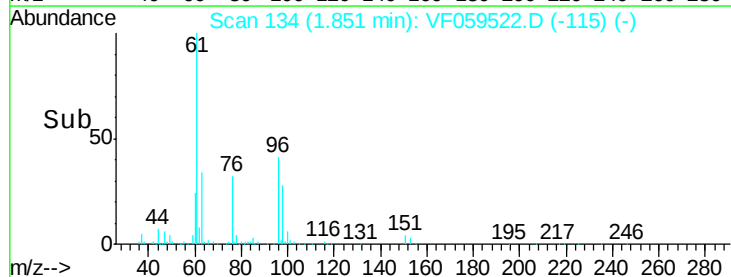
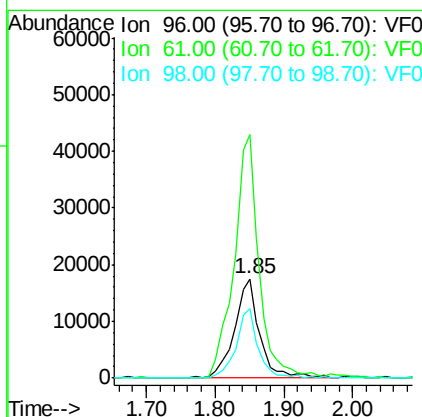
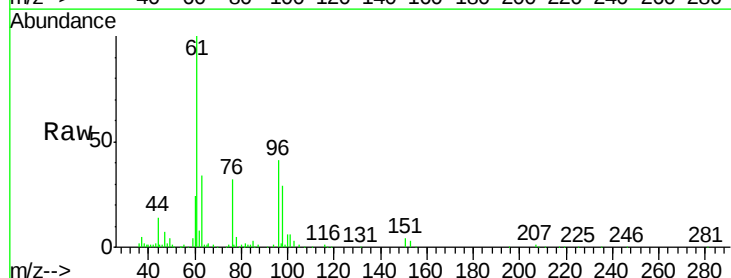
Tot Ion: 59 Resp: 23183  
 Ion Ratio Lower Upper  
 59 100  
 57 17.6 7.7 11.5#

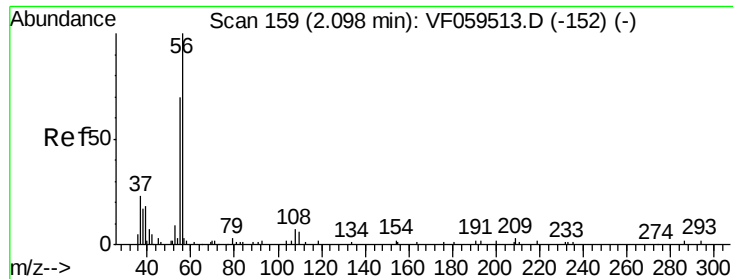


#12

1,1-Dichloroethene  
 Concen: 22.250 ug/l  
 RT: 1.85 min Scan# 134  
 Delta R.T. -0.01 min  
 Lab File: VF059522.D  
 Acq: 18 Jul 2018 19:54

Tgt Ion: 96 Resp: 44594  
 Ion Ratio Lower Upper  
 96 100  
 61 245.7 194.3 291.5  
 98 73.1 50.3 75.5

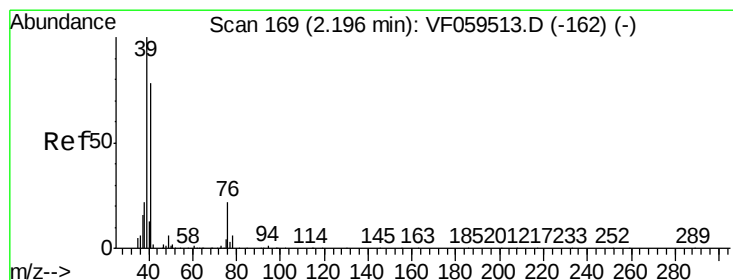
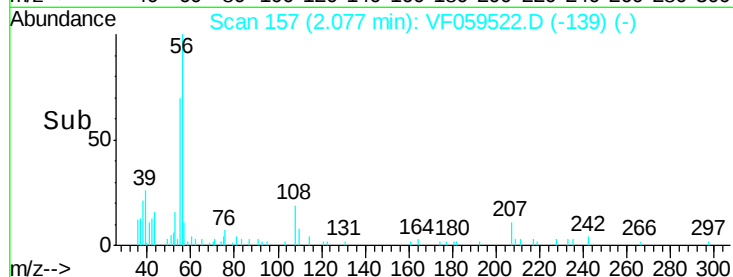
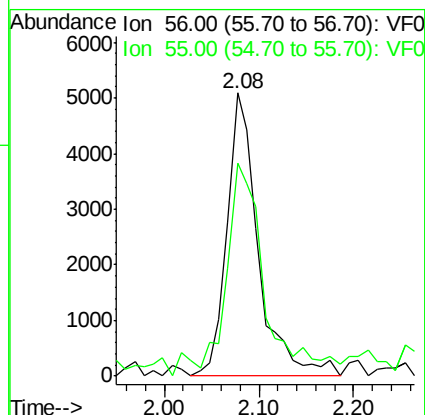
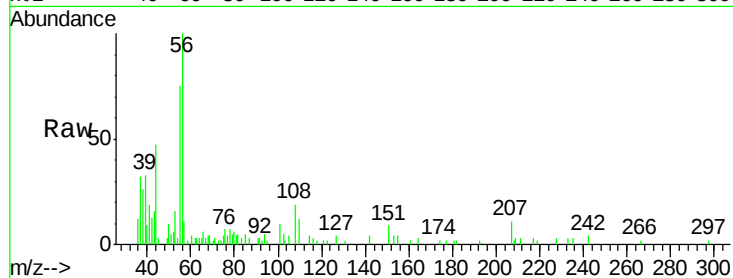




#13  
Acrolein  
Concen: 133.091 ug/l  
RT: 2.08 min Scan# 157  
Delta R.T. -0.02 min  
Lab File: VF059522.D  
Acq: 18 Jul 2018 19:54

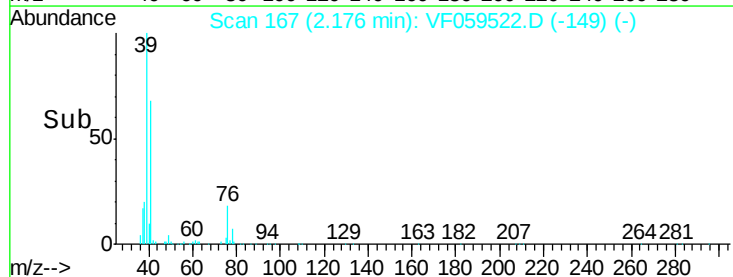
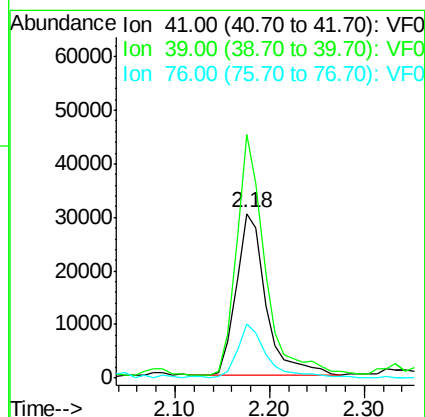
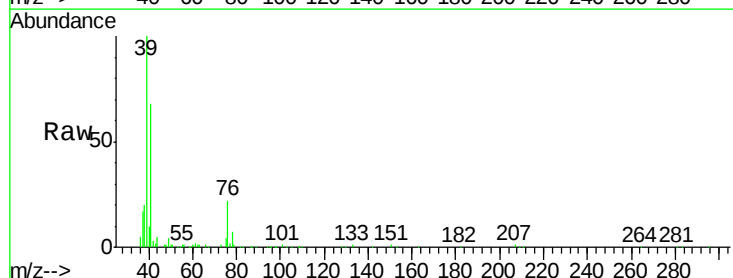
Instrument :  
MSVOA\_F  
ClientSampleId :

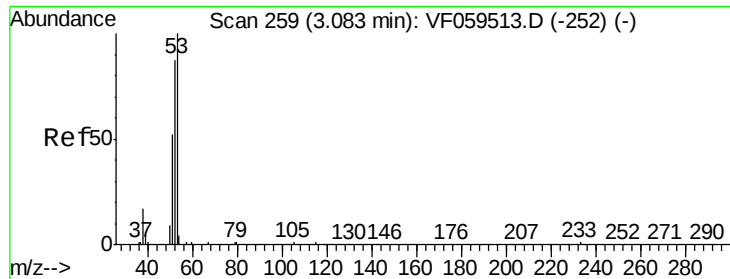
Tot Ion: 56 Resp: 11693  
Ion Ratio Lower Upper  
56 100  
55 75.2 59.4 89.2



#14  
Allyl chloride  
Concen: 26.474 ug/l  
RT: 2.18 min Scan# 167  
Delta R.T. -0.02 min  
Lab File: VF059522.D  
Acq: 18 Jul 2018 19:54

Tgt Ion: 41 Resp: 66217  
Ion Ratio Lower Upper  
41 100  
39 148.0 103.0 154.4  
76 32.7 22.6 34.0

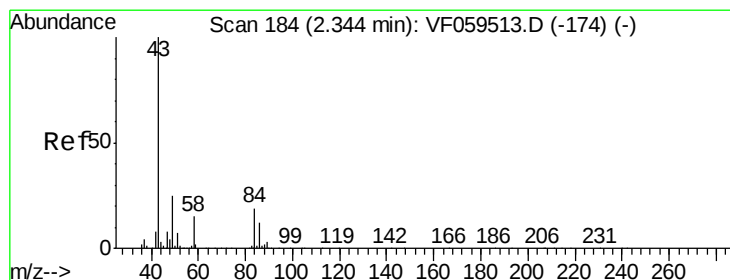
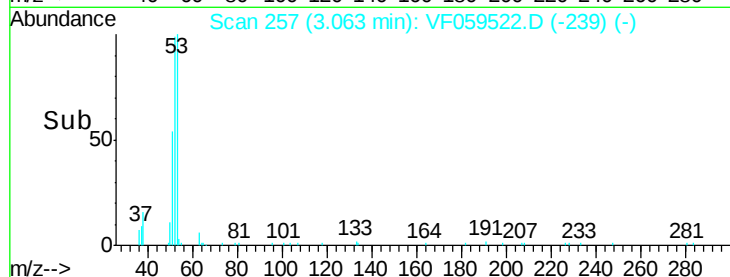
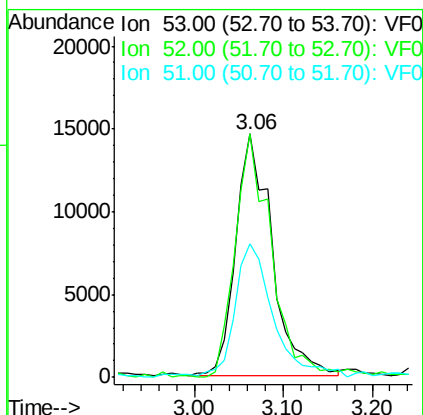
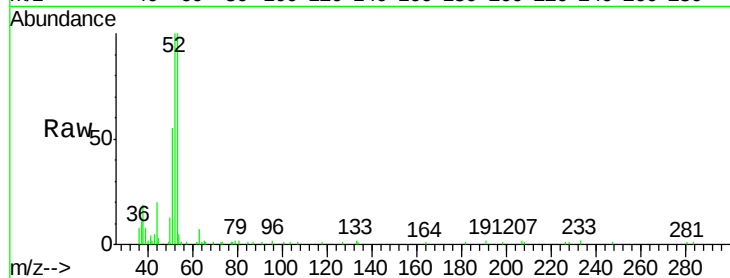




#15  
 Acrylonitrile  
 Concen: 118.309 ug/l  
 RT: 3.06 min Scan# 257  
 Delta R.T. -0.02 min  
 Lab File: VF059522.D  
 Acq: 18 Jul 2018 19:54

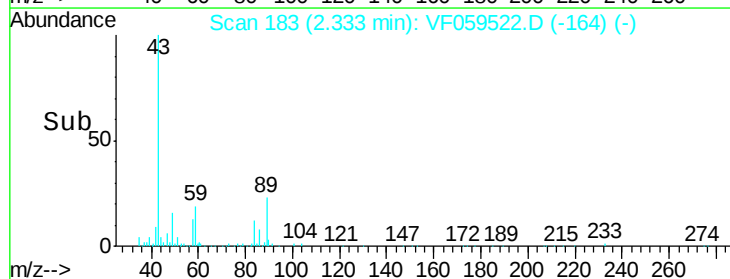
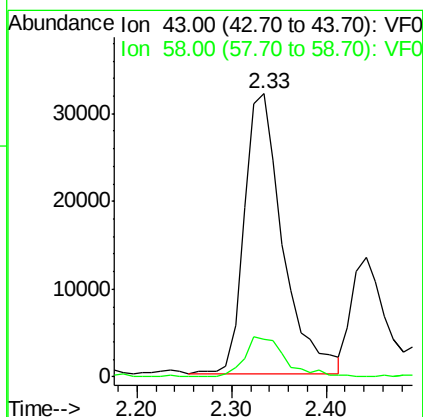
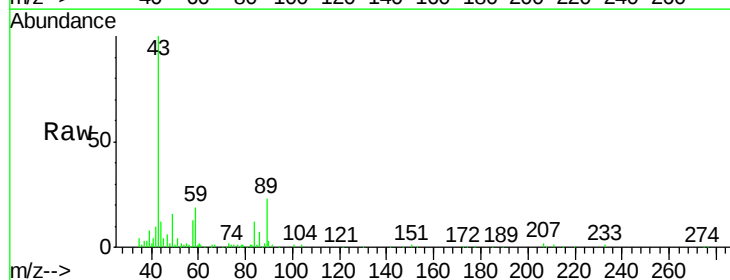
Instrument :  
 MSVOA\_F  
 ClientSampleId :

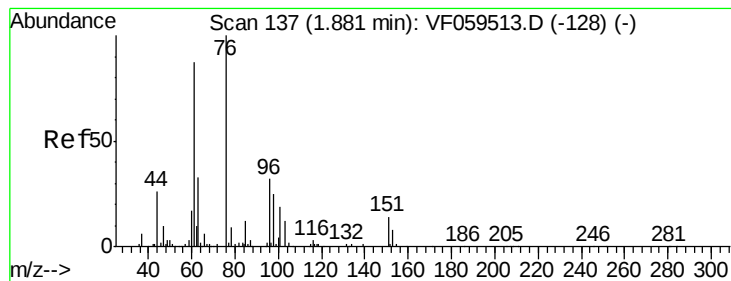
Tot Ion: 53 Resp: 41383  
 Ion Ratio Lower Upper  
 53 100  
 52 99.8 70.1 105.1  
 51 55.1 42.5 63.7



#16  
 Acetone  
 Concen: 132.719 ug/l  
 RT: 2.33 min Scan# 183  
 Delta R.T. -0.01 min  
 Lab File: VF059522.D  
 Acq: 18 Jul 2018 19:54

Tgt Ion: 43 Resp: 90696  
 Ion Ratio Lower Upper  
 43 100  
 58 13.3 11.8 17.6





#17

Carbon Disulfide

Concen: 21.538 ug/l

RT: 1.86 min Scan# 135

Delta R.T. -0.02 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

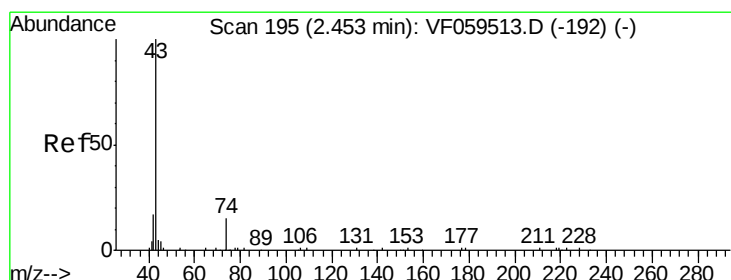
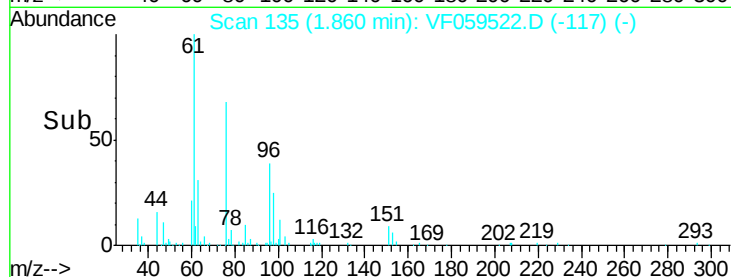
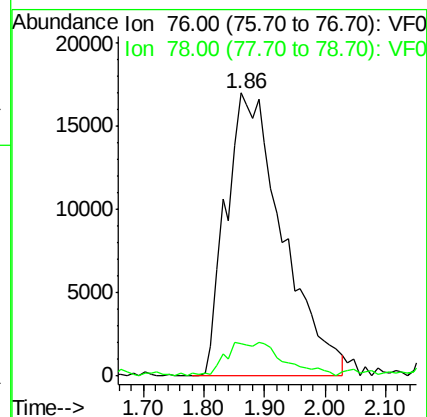
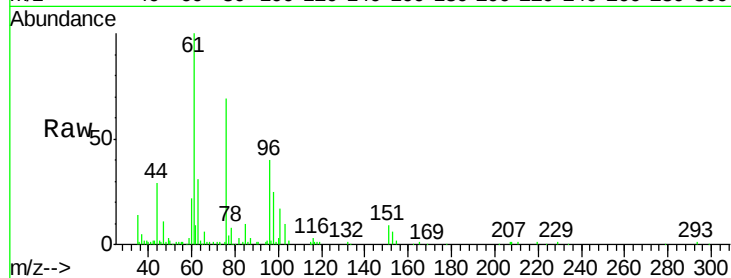
Instrument :  
MSVOA\_F  
ClientSampleId :

Tot Ion: 76 Resp: 110616

Ion Ratio Lower Upper

76 100

78 11.5 7.8 11.6



#18

Methyl Acetate

Concen: 35.528 ug/l

RT: 2.52 min Scan# 202

Delta R.T. 0.07 min

Lab File: VF059522.D

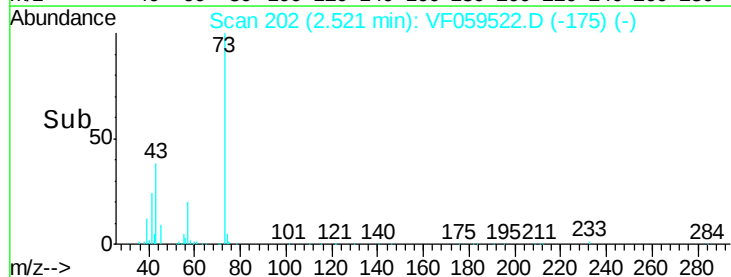
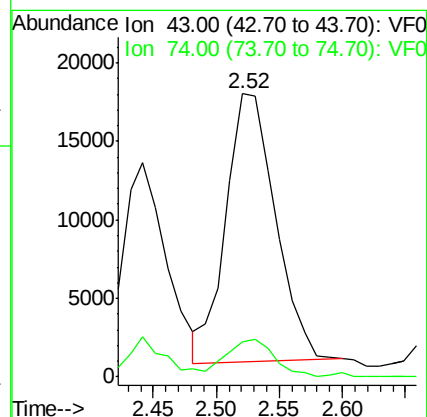
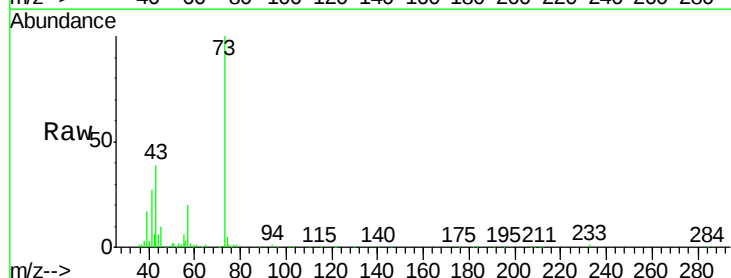
Acq: 18 Jul 2018 19:54

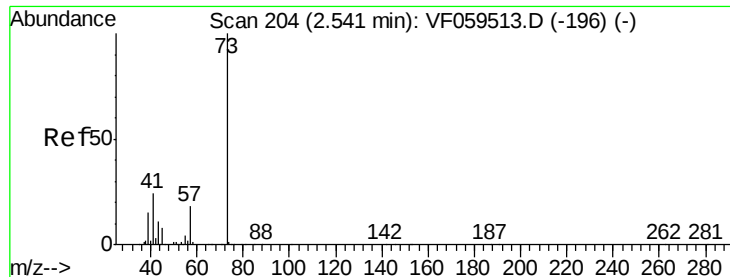
Tgt Ion: 43 Resp: 46356

Ion Ratio Lower Upper

43 100

74 12.5 10.6 15.8



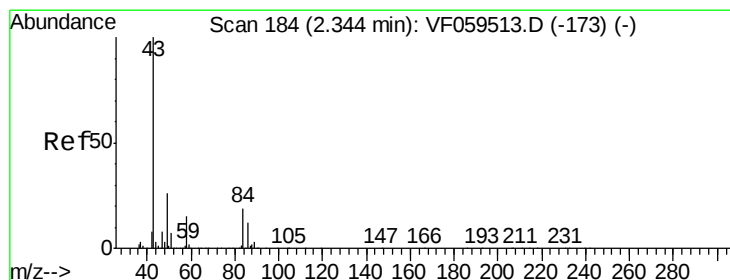
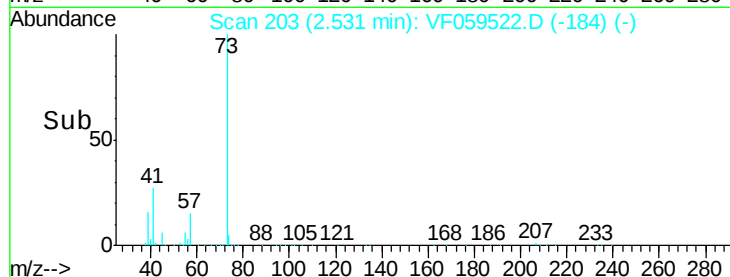
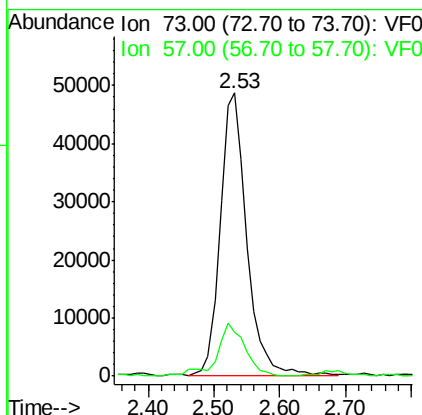
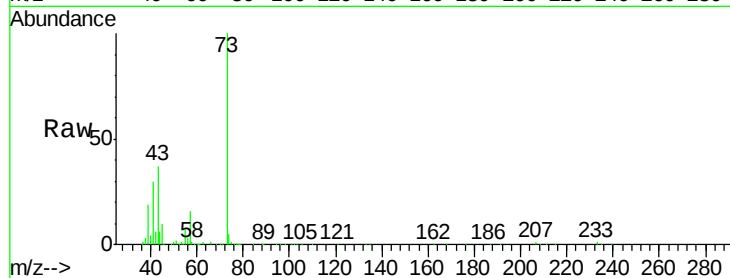


#19

Methyl tert-butyl Ether  
 Concen: 21.642 ug/l  
 RT: 2.53 min Scan# 203  
 Delta R.T. -0.01 min  
 Lab File: VF059522.D  
 Acq: 18 Jul 2018 19:54

Instrument :  
 MSVOA\_F  
 ClientSampled :

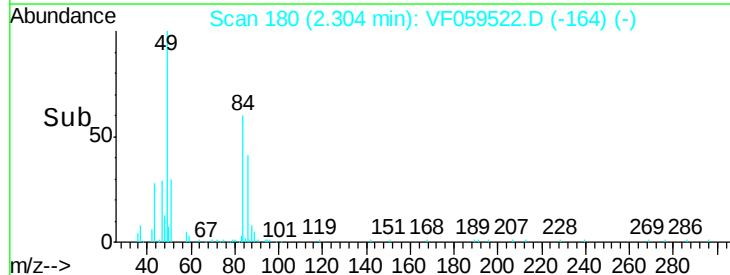
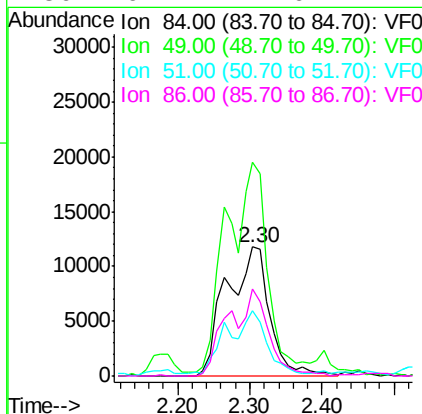
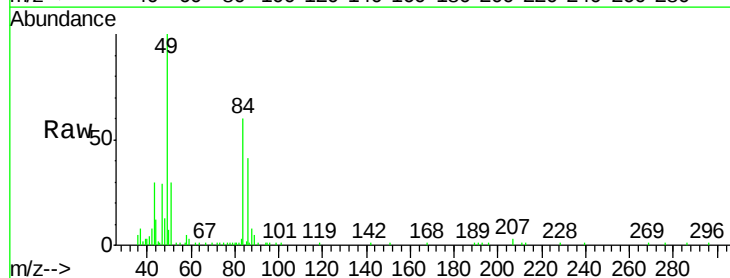
Tot Ion: 73 Resp: 136071  
 Ion Ratio Lower Upper  
 73 100  
 57 15.7 14.3 21.5

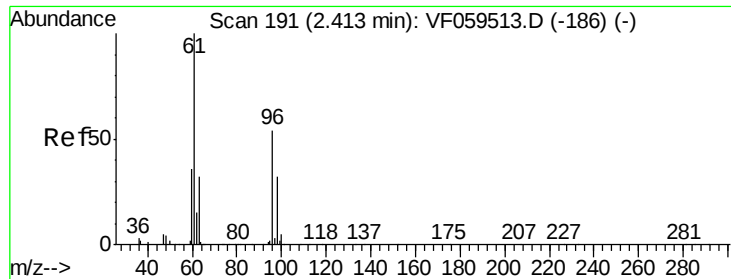


#20

Methylene Chloride  
 Concen: 23.664 ug/l  
 RT: 2.30 min Scan# 180  
 Delta R.T. -0.04 min  
 Lab File: VF059522.D  
 Acq: 18 Jul 2018 19:54

Tgt Ion: 84 Resp: 49050  
 Ion Ratio Lower Upper  
 84 100  
 49 165.6 109.4 164.2#  
 51 50.5 30.5 45.7#  
 86 67.7 47.6 71.4





#21

trans-1,2-Dichloroethene

Concen: 22.738 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Instrument :

MSVOA\_F

ClientSampled :

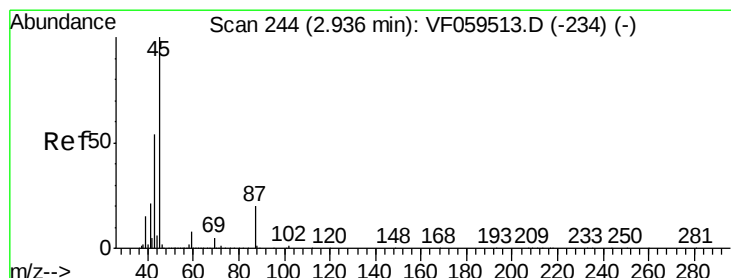
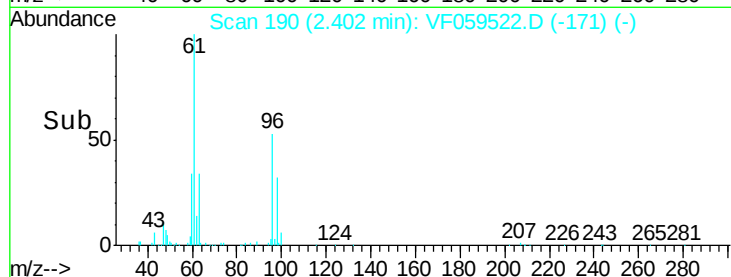
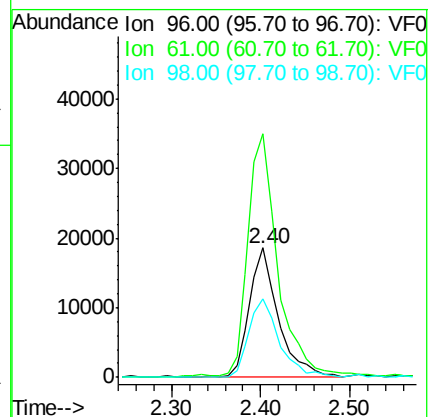
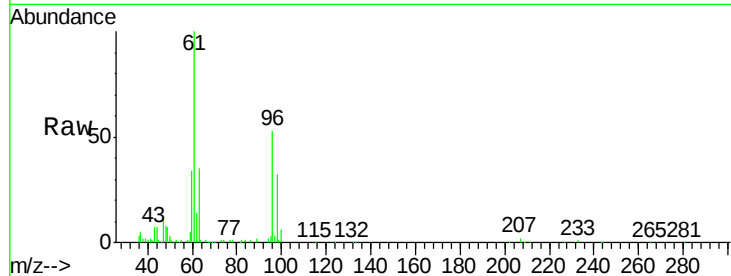
Tot Ion: 96 Resp: 42135

Ion Ratio Lower Upper

96 100

61 187.9 149.8 224.8

98 60.3 47.8 71.8



#22

Diisopropyl ether

Concen: 21.875 ug/l

RT: 2.92 min Scan# 242

Delta R.T. -0.02 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Tgt Ion: 45 Resp: 153771

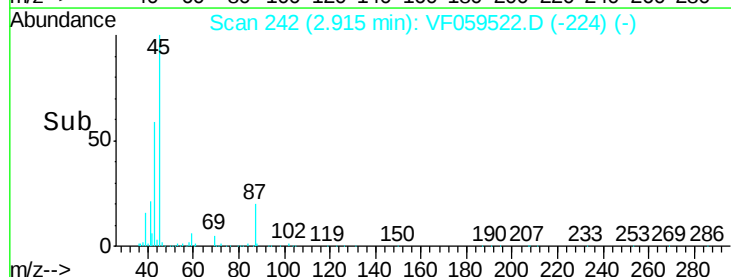
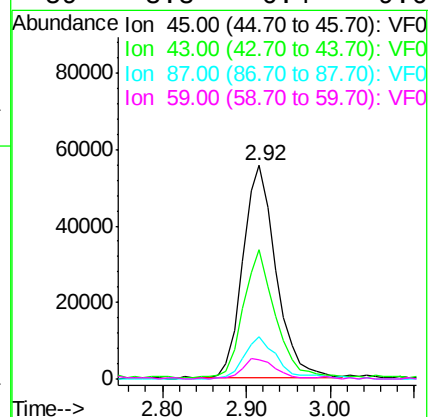
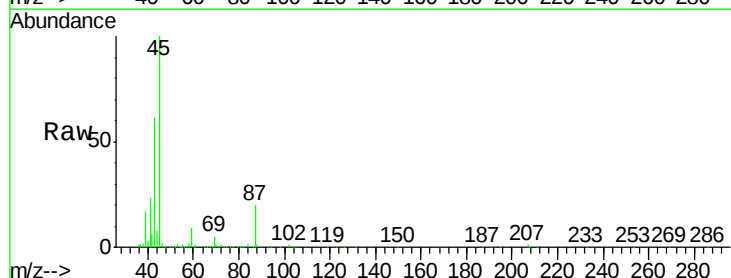
Ion Ratio Lower Upper

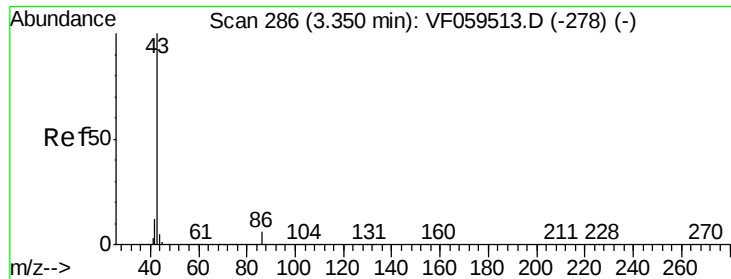
45 100

43 60.6 43.6 65.4

87 19.9 15.6 23.4

59 8.8 6.4 9.6

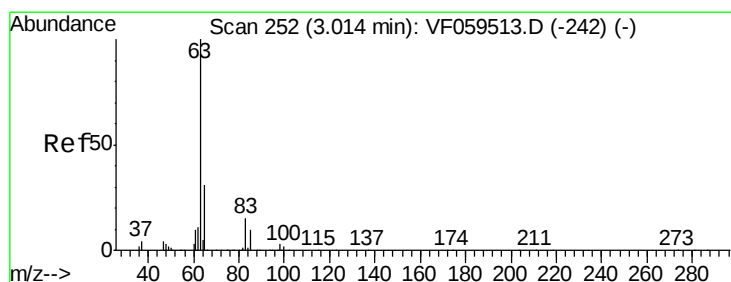
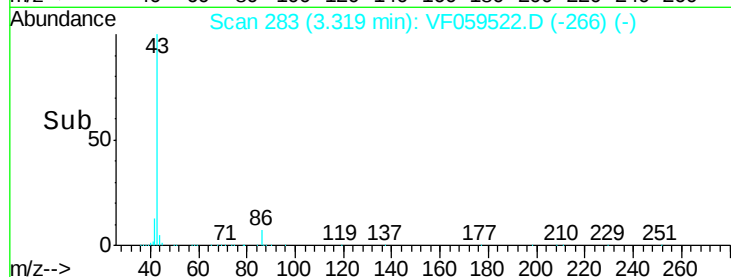
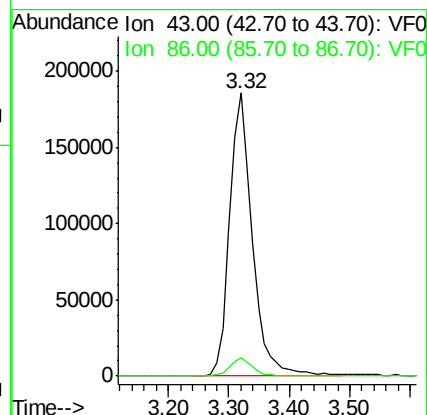
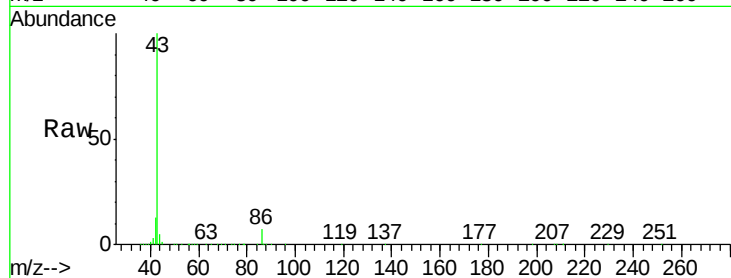




#23  
 Vinyl Acetate  
 Concen: 118.570 ug/l  
 RT: 3.32 min Scan# 283  
 Delta R.T. -0.03 min  
 Lab File: VF059522.D  
 Acq: 18 Jul 2018 19:54

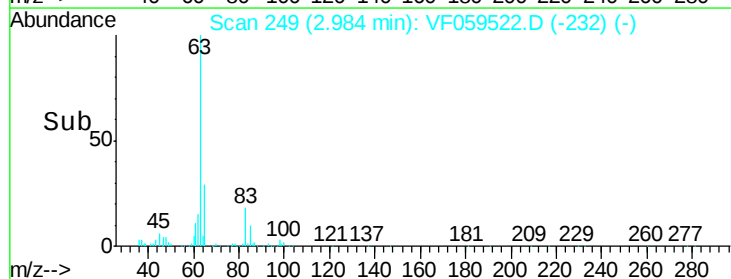
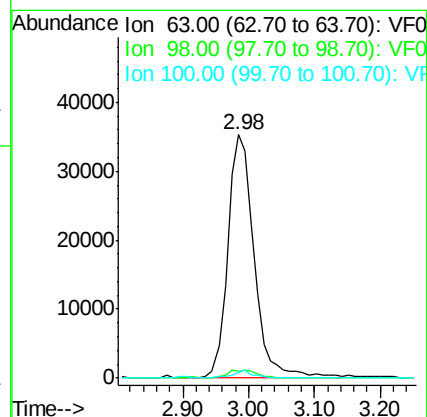
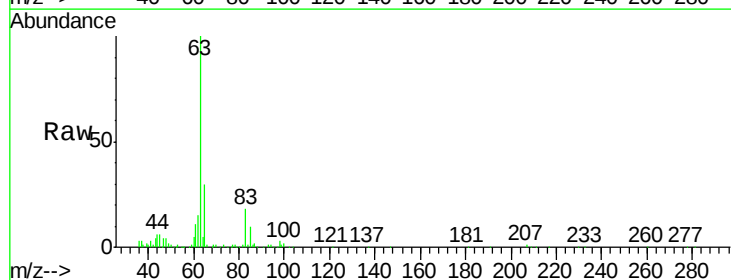
Instrument :  
 MSVOA\_F  
 ClientSampleId :

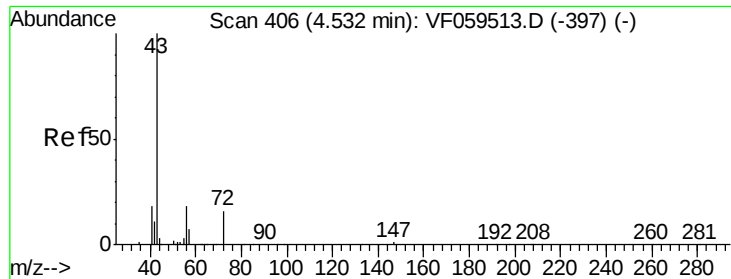
Tot Ion: 43 Resp: 487050  
 Ion Ratio Lower Upper  
 43 100  
 86 6.5 4.4 6.6



#24  
 1,1-Dichloroethane  
 Concen: 22.753 ug/l  
 RT: 2.98 min Scan# 249  
 Delta R.T. -0.03 min  
 Lab File: VF059522.D  
 Acq: 18 Jul 2018 19:54

Tgt Ion: 63 Resp: 98773  
 Ion Ratio Lower Upper  
 63 100  
 98 2.9 1.8 5.4  
 100 2.5 1.3 3.8





#25

2-Butanone

Concen: 110.421 ug/l

RT: 4.49 min Scan# 402

Delta R.T. -0.04 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

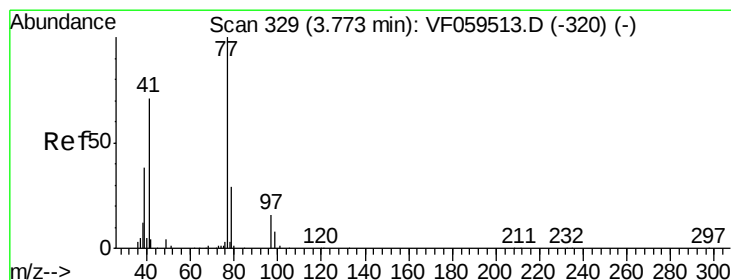
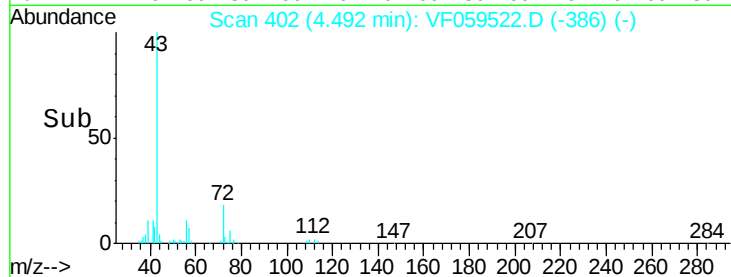
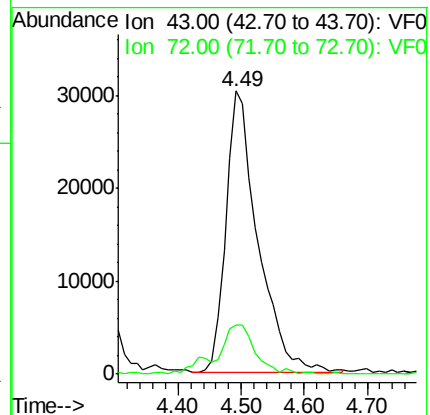
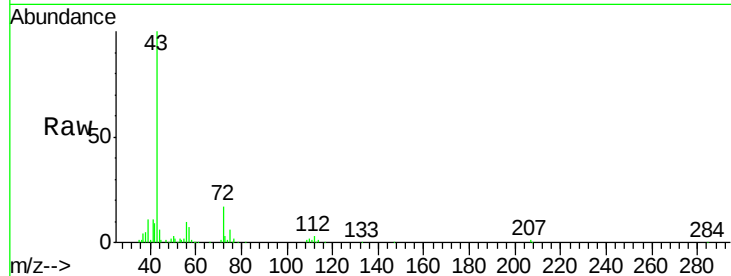
Instrument :  
MSVOA\_F  
ClientSampleId :

Tot Ion: 43 Resp: 106881

Ion Ratio Lower Upper

43 100

72 17.4 14.2 21.4



#26

2,2-Dichloropropane

Concen: 24.037 ug/l

RT: 3.74 min Scan# 326

Delta R.T. -0.03 min

Lab File: VF059522.D

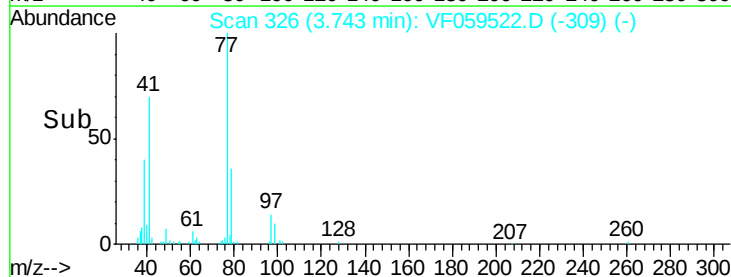
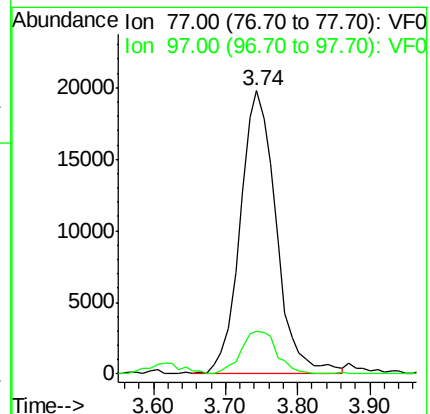
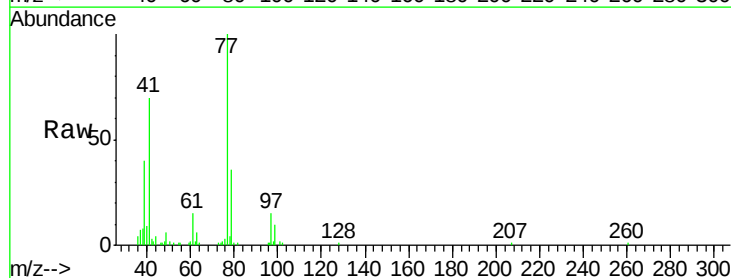
Acq: 18 Jul 2018 19:54

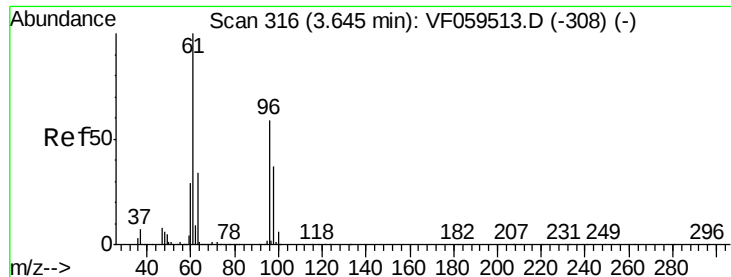
Tgt Ion: 77 Resp: 69034

Ion Ratio Lower Upper

77 100

97 15.2 8.1 24.3



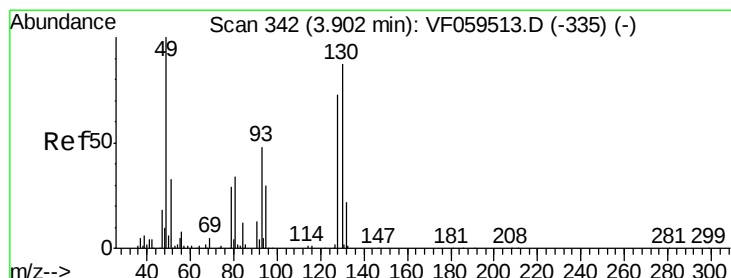
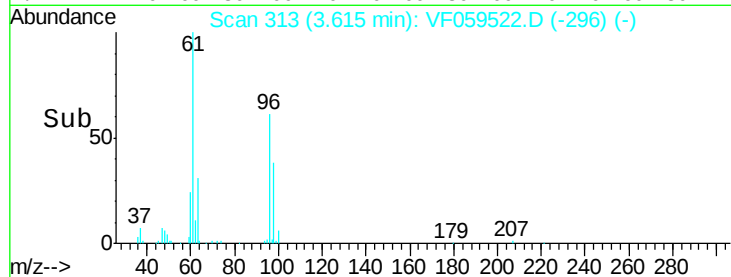
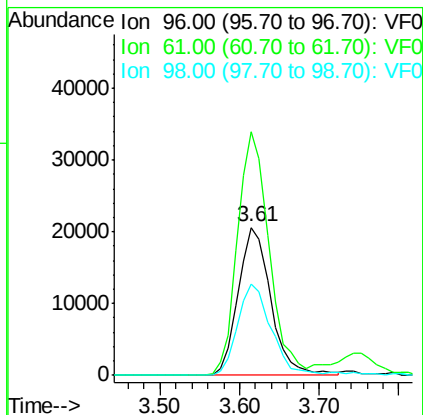
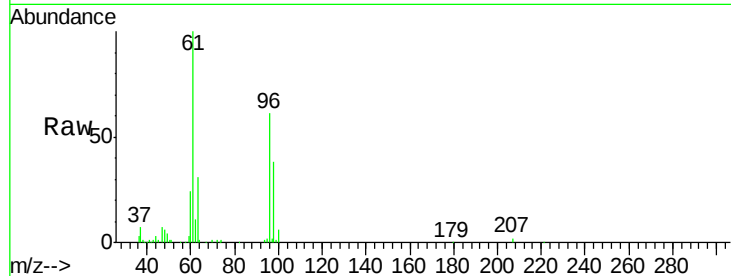


#27

cis-1,2-Dichloroethene  
Concen: 27.200 ug/l  
RT: 3.61 min Scan# 313  
Delta R.T. -0.03 min  
Lab File: VF059522.D  
Acq: 18 Jul 2018 19:54

Instrument :  
MSVOA\_F  
ClientSampled :

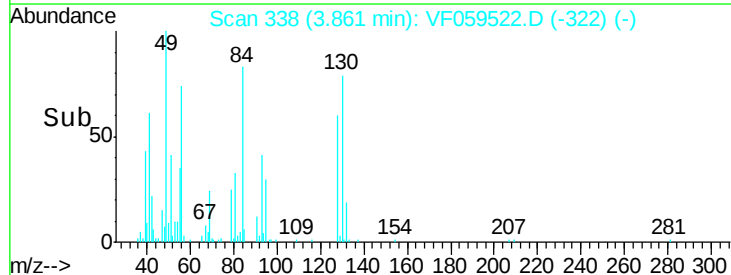
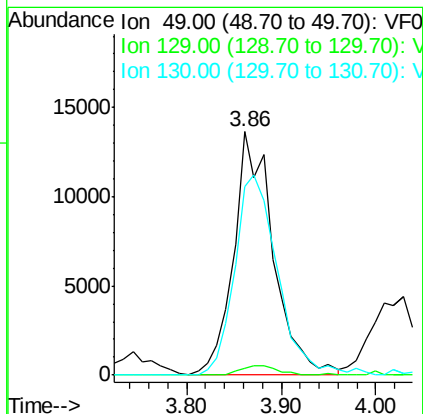
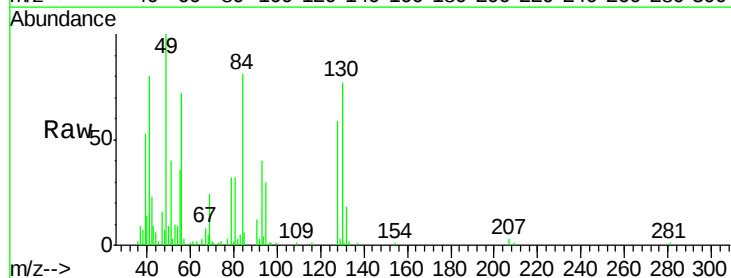
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 164.9 | 0.0   | 339.0 |
| 98      | 62.0  | 0.0   | 125.4 |

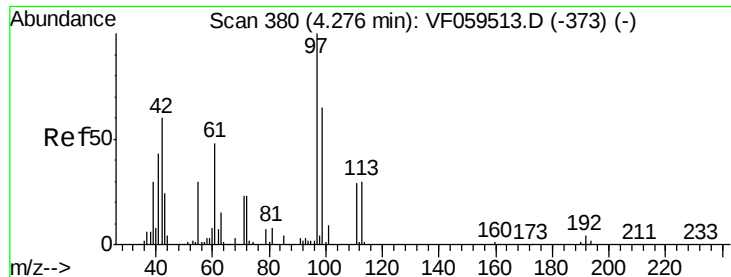


#28

Bromochloromethane  
Concen: 20.779 ug/l  
RT: 3.86 min Scan# 338  
Delta R.T. -0.04 min  
Lab File: VF059522.D  
Acq: 18 Jul 2018 19:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.6   | 0.0   | 0.0#  |
| 130     | 77.5  | 69.8  | 104.6 |

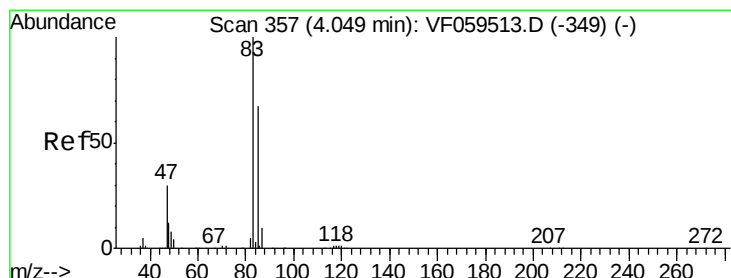
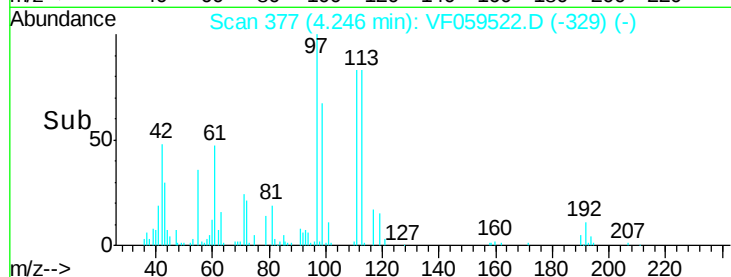
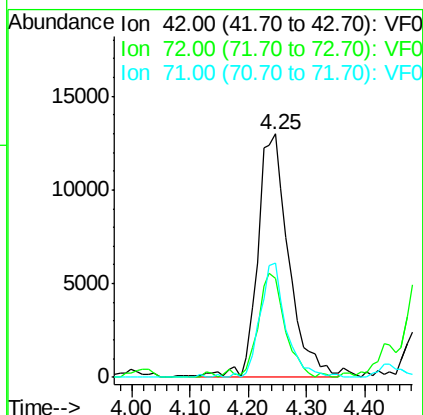
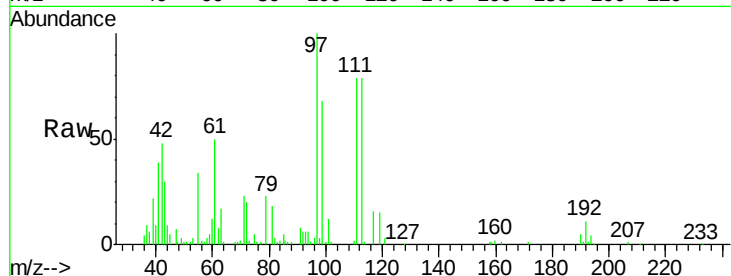




#29  
Tetrahydrofuran  
Concen: 111.515 ug/l  
RT: 4.25 min Scan# 377  
Delta R.T. -0.03 min  
Lab File: VF059522.D  
Acq: 18 Jul 2018 19:54

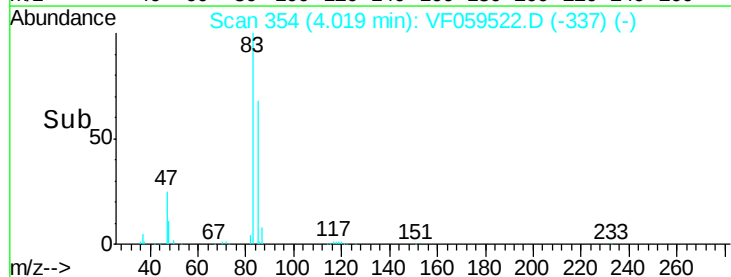
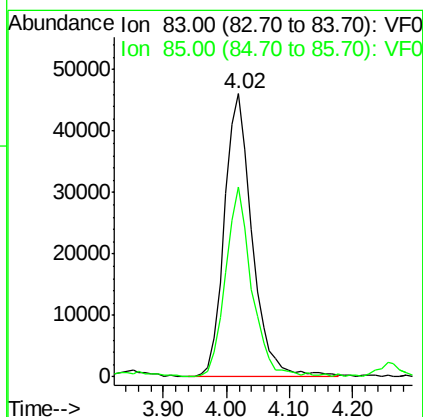
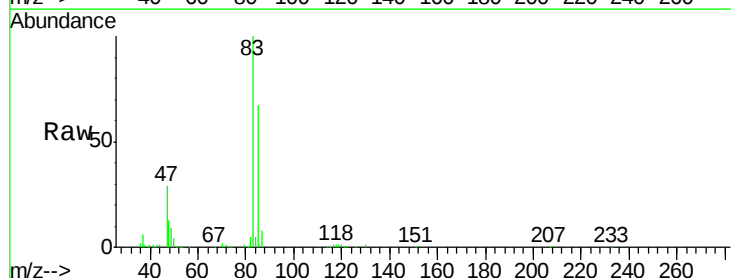
Instrument :  
MSVOA\_F  
ClientSampleId :

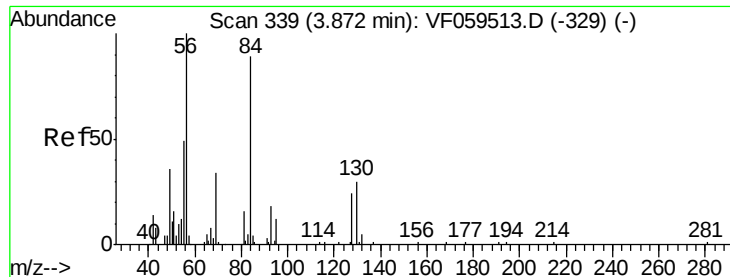
Tot Ion: 42 Resp: 48594  
Ion Ratio Lower Upper  
42 100  
72 36.6 28.7 43.1  
71 39.0 30.8 46.2



#30  
Chloroform  
Concen: 22.549 ug/l  
RT: 4.02 min Scan# 354  
Delta R.T. -0.03 min  
Lab File: VF059522.D  
Acq: 18 Jul 2018 19:54

Tgt Ion: 83 Resp: 141408  
Ion Ratio Lower Upper  
83 100  
85 67.2 53.2 79.8

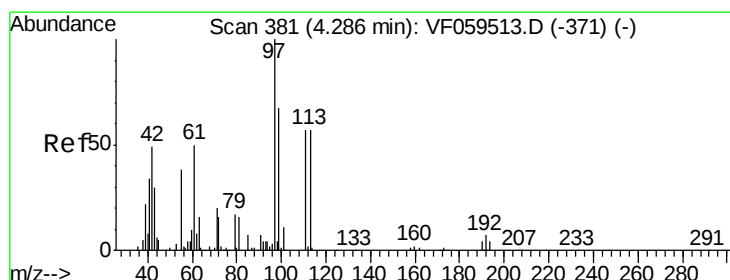
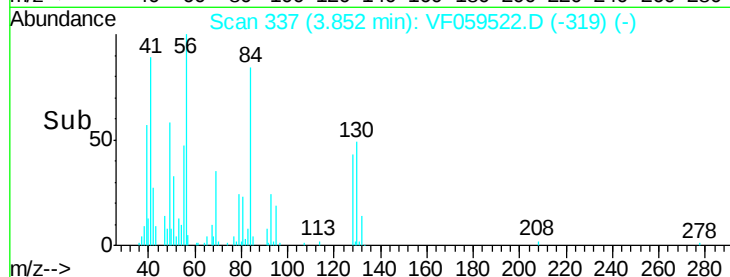
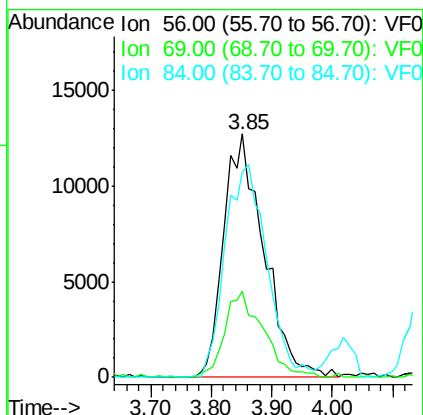
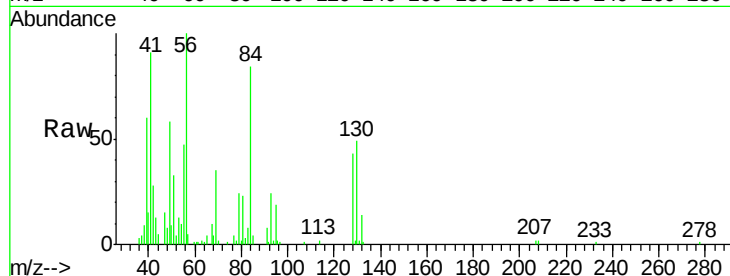




#31  
Cyclohexane  
Concen: 26.137 ug/l  
RT: 3.85 min Scan# 337  
Delta R.T. -0.02 min  
Lab File: VF059522.D  
Acq: 18 Jul 2018 19:54

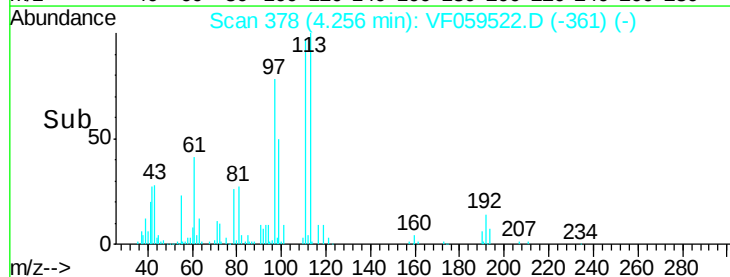
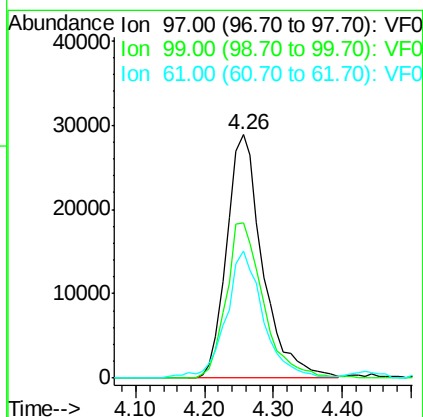
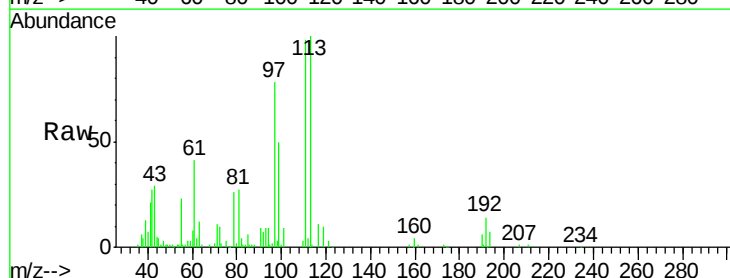
Instrument :  
MSVOA\_F  
ClientSampleId :

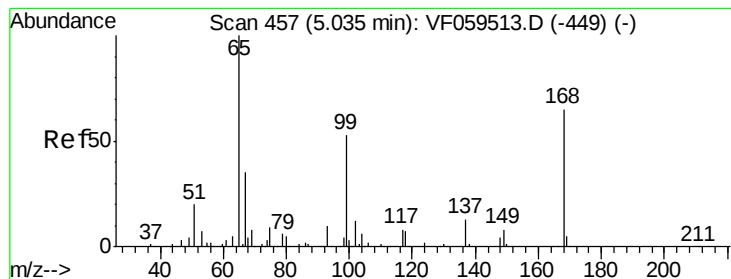
Tot Ion: 56 Resp: 58770  
Ion Ratio Lower Upper  
56 100  
69 35.3 27.6 41.4  
84 84.3 71.4 107.2



#32  
1,1,1-Trichloroethane  
Concen: 25.616 ug/l  
RT: 4.26 min Scan# 378  
Delta R.T. -0.03 min  
Lab File: VF059522.D  
Acq: 18 Jul 2018 19:54

Tgt Ion: 97 Resp: 104393  
Ion Ratio Lower Upper  
97 100  
99 63.7 53.5 80.3  
61 52.4 39.7 59.5





#33

1,2-Dichloroethane-d4

Concen: 53.528 ug/l

RT: 5.00 min Scan# 454

Delta R.T. -0.03 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

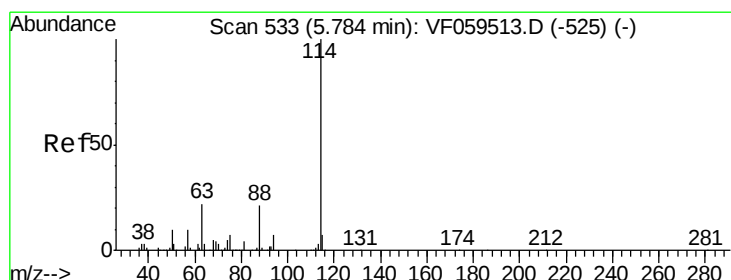
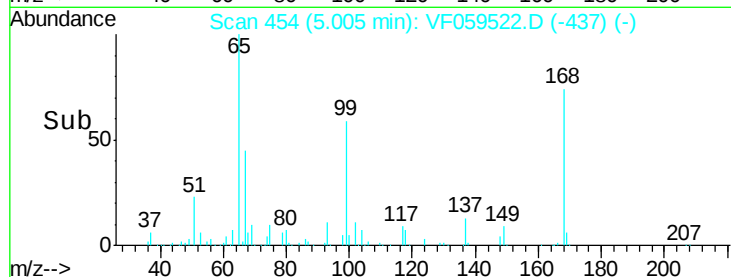
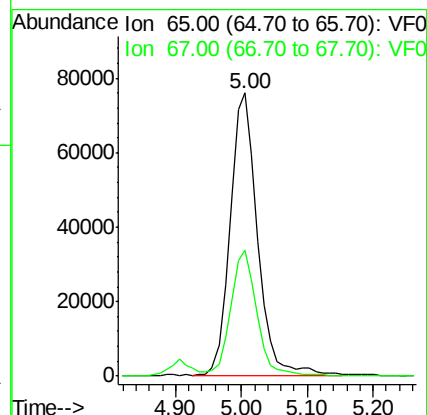
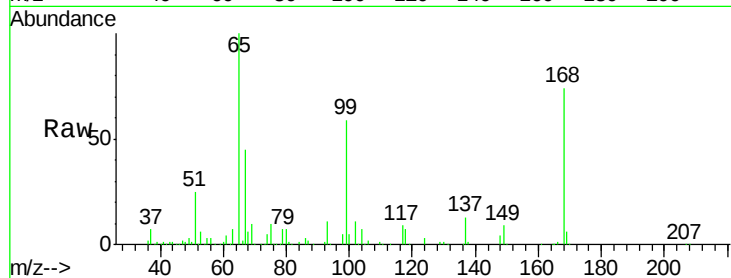
Instrument :  
MSVOA\_F  
ClientSampled :

Tot Ion: 65 Resp: 223163

Ion Ratio Lower Upper

65 100

67 44.5 0.0 91.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.74 min Scan# 529

Delta R.T. -0.04 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

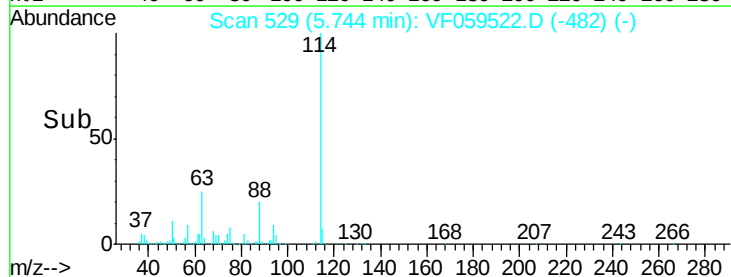
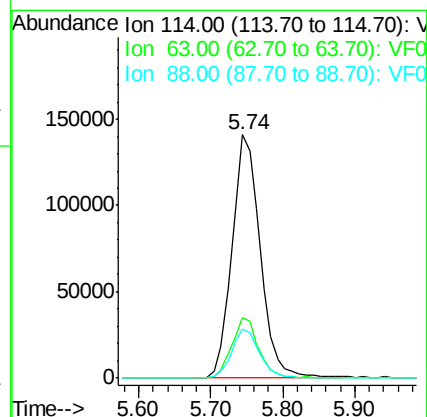
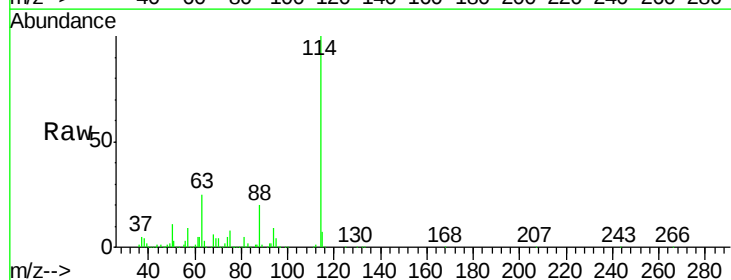
Tgt Ion: 114 Resp: 384466

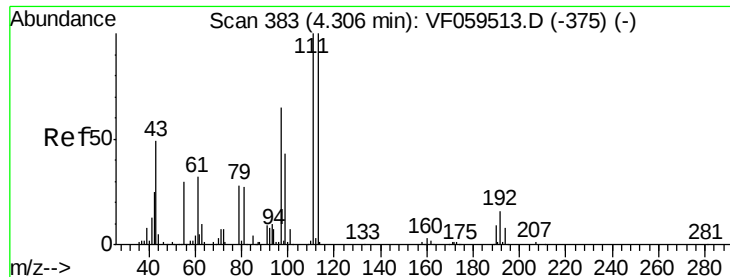
Ion Ratio Lower Upper

114 100

63 24.6 0.0 44.8

88 20.3 0.0 42.6





#35

Dibromofluoromethane

Concen: 52.823 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.03 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Instrument :  
MSVOA\_F  
ClientSampled :

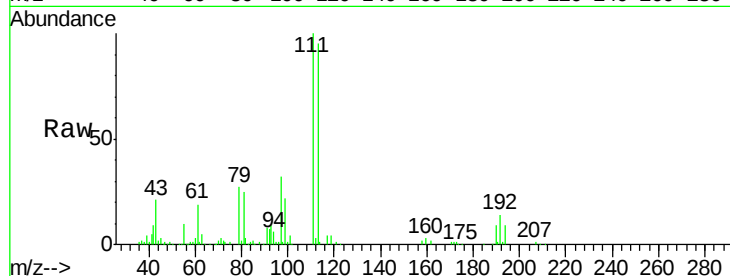
Tot Ion:113 Resp: 175889

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 105.7 | 80.3  | 120.5 |
| 192 | 14.9  | 13.1  | 19.7  |

113 100

111 105.7 80.3 120.5

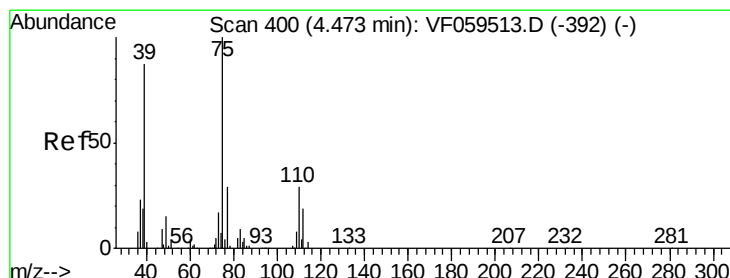
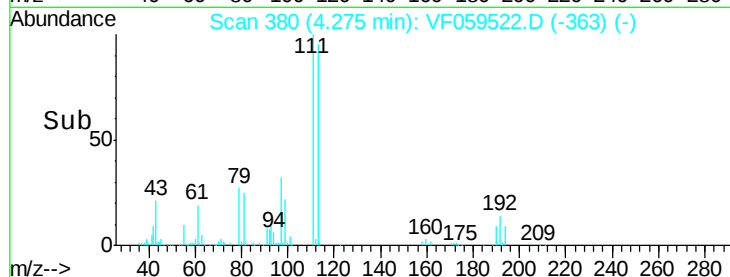
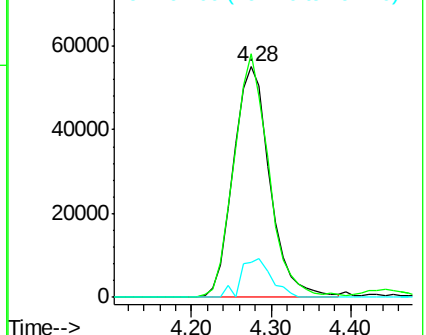
192 14.9 13.1 19.7



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 22.483 ug/l

RT: 4.44 min Scan# 397

Delta R.T. -0.03 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

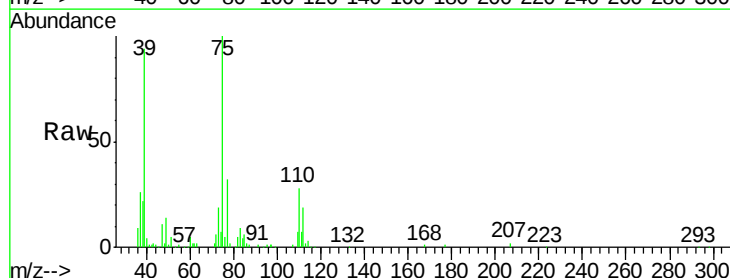
Tgt Ion: 75 Resp: 86520

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 110 | 27.8  | 14.6  | 43.8  |
| 77  | 31.7  | 23.7  | 35.5  |

75 100

110 27.8 14.6 43.8

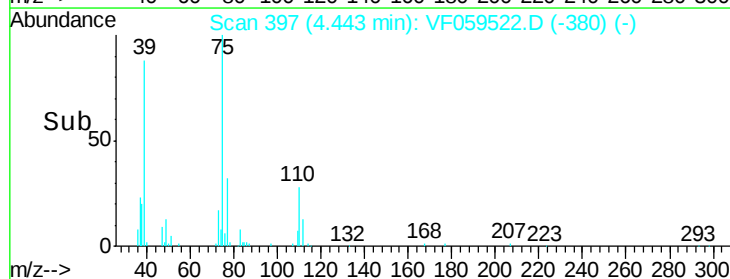
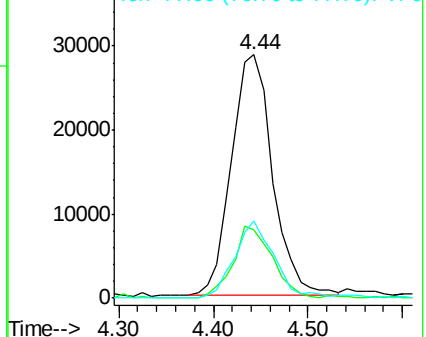
77 31.7 23.7 35.5

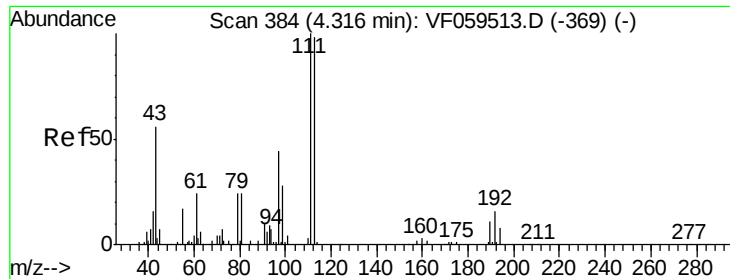


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

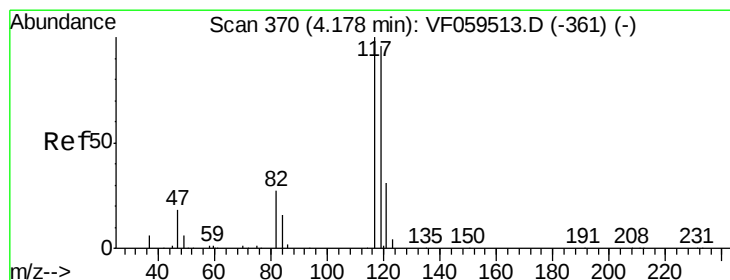
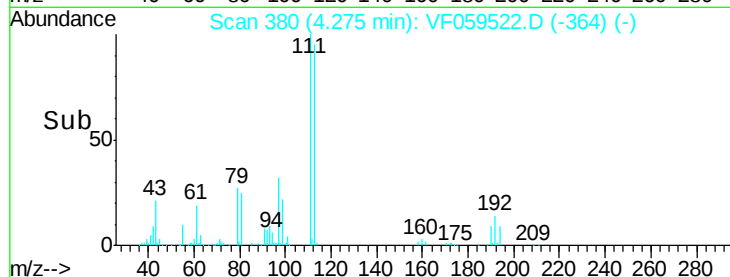
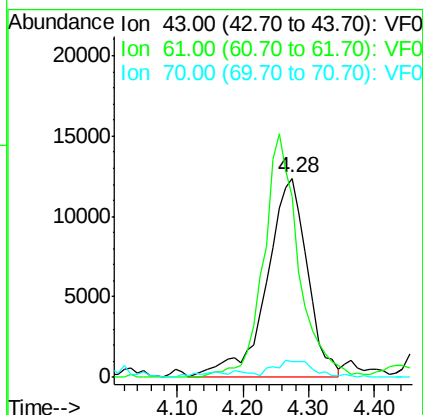
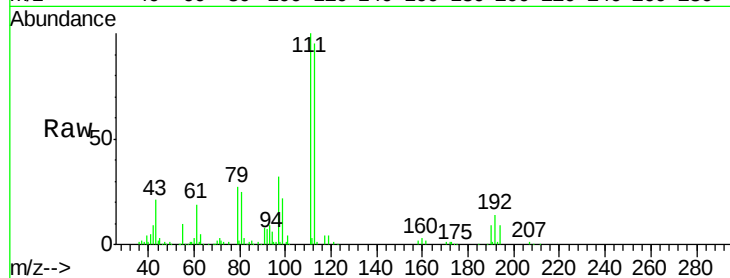




#37  
Ethyl Acetate  
Concen: 22.543 ug/l  
RT: 4.28 min Scan# 380  
Delta R.T. -0.04 min  
Lab File: VF059522.D  
Acq: 18 Jul 2018 19:54

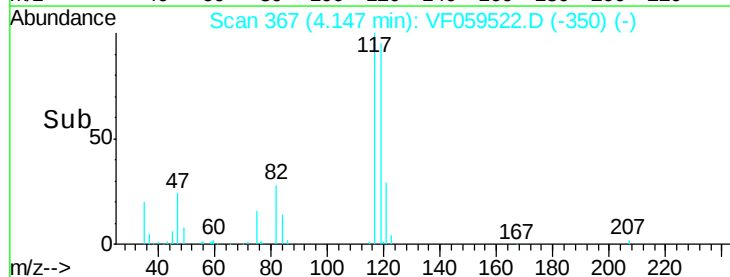
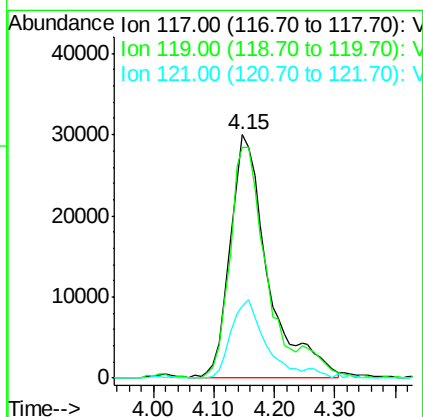
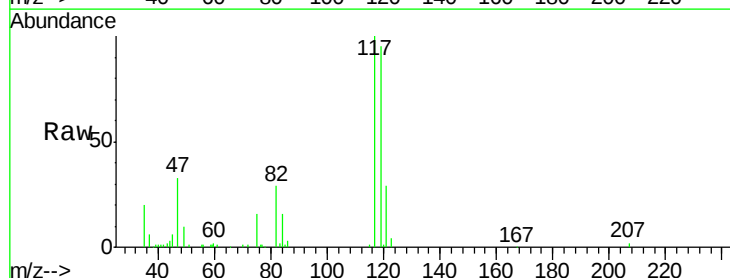
Instrument :  
MSVOA\_F  
ClientSampleId :

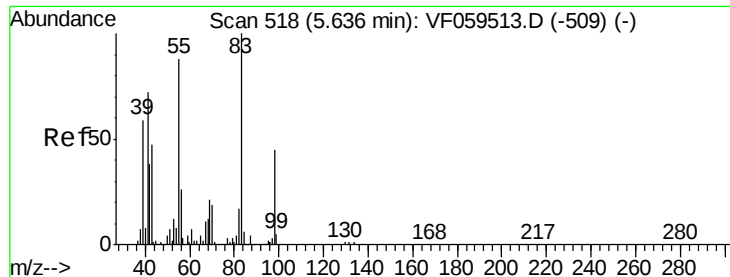
Tot Ion: 43 Resp: 53258  
Ion Ratio Lower Upper  
43 100  
61 90.8 33.7 50.5#  
70 8.2 7.4 11.0



#38  
Carbon Tetrachloride  
Concen: 29.680 ug/l  
RT: 4.15 min Scan# 367  
Delta R.T. -0.03 min  
Lab File: VF059522.D  
Acq: 18 Jul 2018 19:54

Tgt Ion:117 Resp: 130890  
Ion Ratio Lower Upper  
117 100  
119 94.7 77.6 116.4  
121 29.4 24.9 37.3

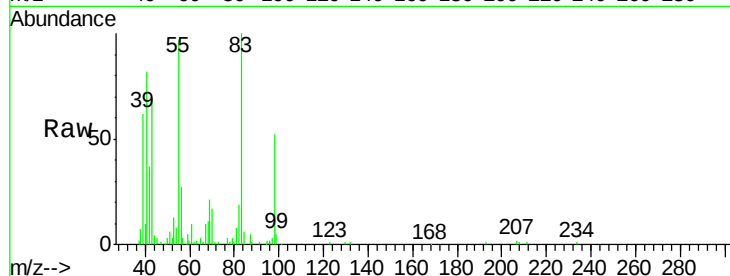




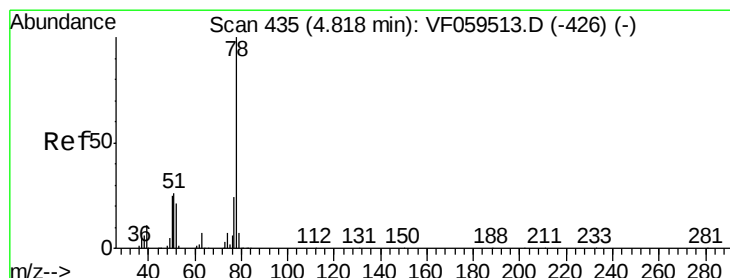
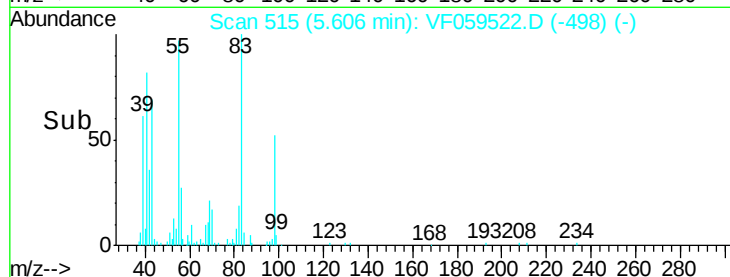
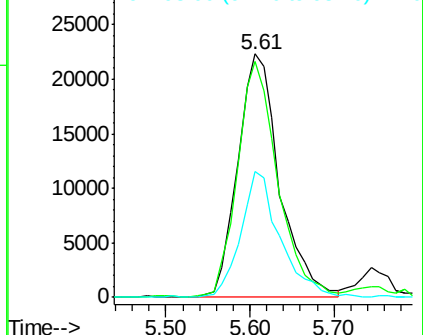
#39  
Methvlcvclohexane  
Concen: 26.555 ug/l  
RT: 5.61 min Scan# 515  
Delta R.T. -0.03 min  
Lab File: VF059522.D  
Acq: 18 Jul 2018 19:54

Instrument :  
MSVOA\_F  
ClientSampleId :

Tot Ion: 83 Resp: 77553  
Ion Ratio Lower Upper  
83 100  
55 97.0 70.2 105.4  
98 51.9 36.2 54.2

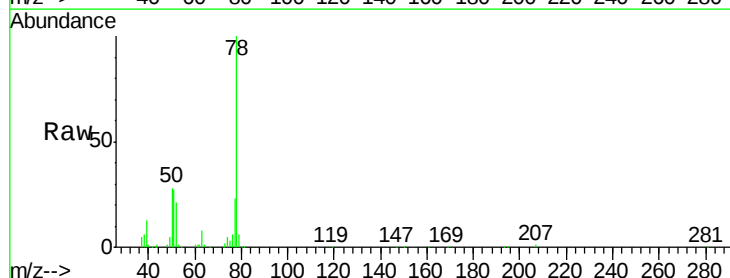


Abundance Ion 83.00 (82.70 to 83.70): VF0  
Ion 55.00 (54.70 to 55.70): VF0  
Ion 98.00 (97.70 to 98.70): VF0

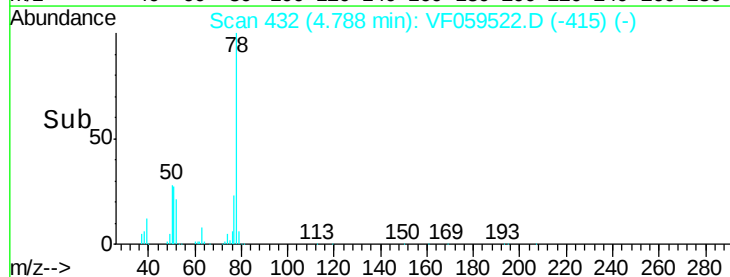
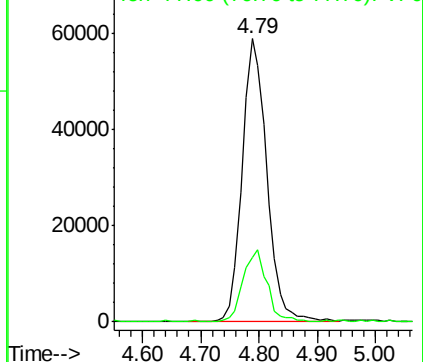


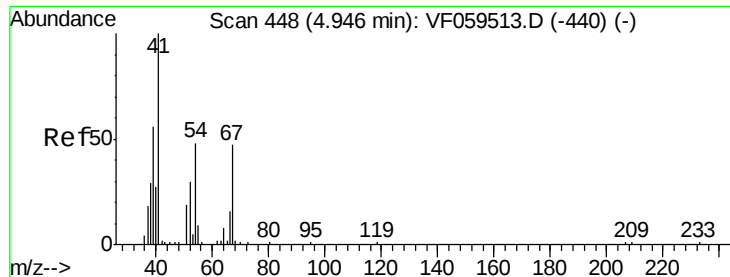
#40  
Benzene  
Concen: 23.469 ug/l  
RT: 4.79 min Scan# 432  
Delta R.T. -0.03 min  
Lab File: VF059522.D  
Acq: 18 Jul 2018 19:54

Tgt Ion: 78 Resp: 175215  
Ion Ratio Lower Upper  
78 100  
77 22.8 19.4 29.0



Abundance Ion 78.10 (77.80 to 78.80): VF0  
Ion 77.00 (76.70 to 77.70): VF0

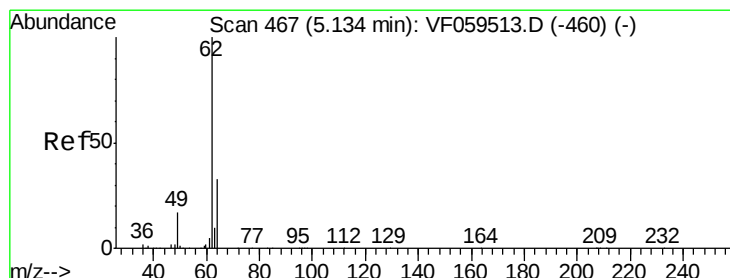
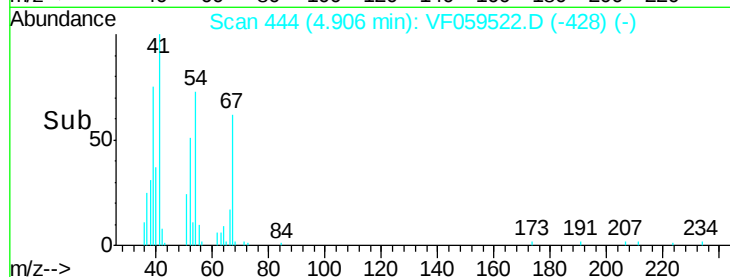
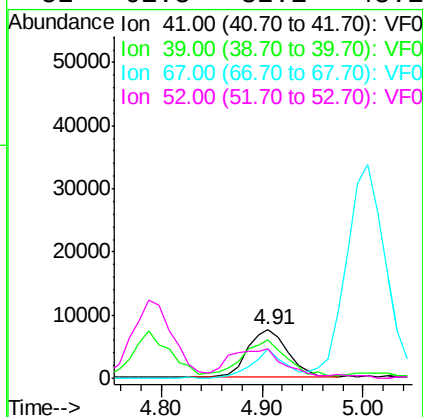
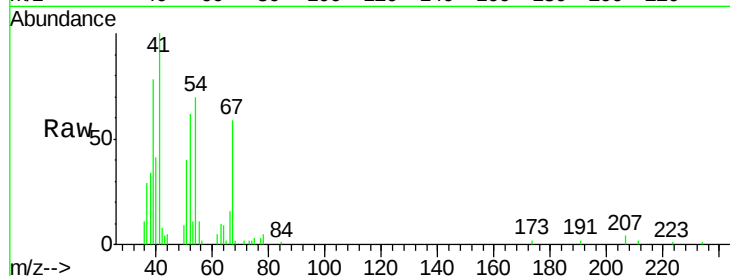




#41  
Methacrylonitrile  
Concen: 19.441 ug/l  
RT: 4.91 min Scan# 444  
Delta R.T. -0.04 min  
Lab File: VF059522.D  
Acq: 18 Jul 2018 19:54

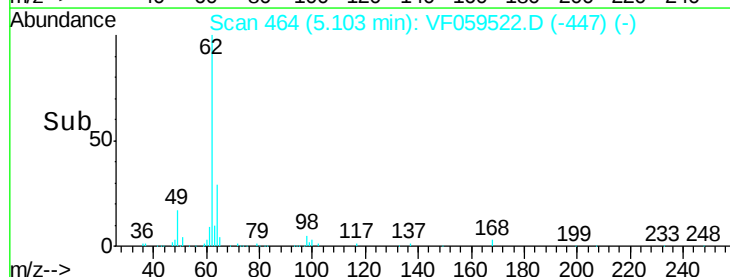
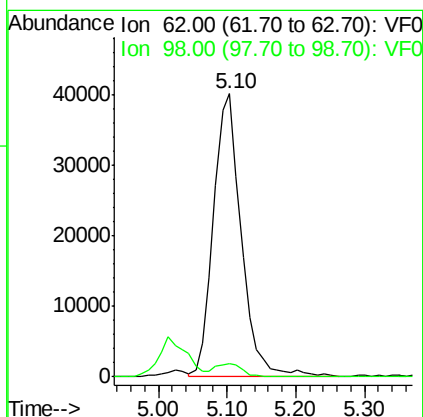
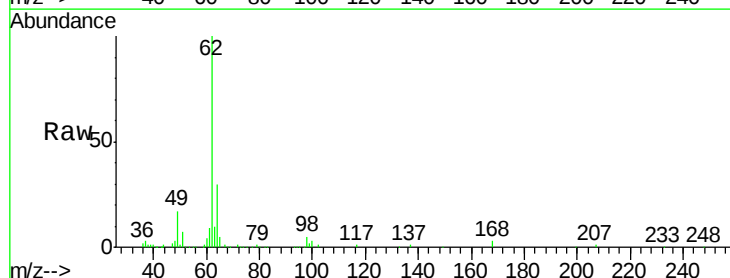
Instrument :  
MSVOA\_F  
ClientSampleId :

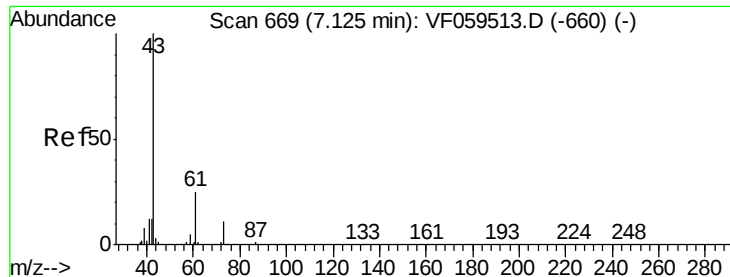
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 21455 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 78.1  | 49.4  | 74.0# |
| 67       | 59.4  | 37.4  | 56.2# |
| 52       | 61.8  | 32.1  | 48.1# |



#42  
1,2-Dichloroethane  
Concen: 23.072 ug/l  
RT: 5.10 min Scan# 464  
Delta R.T. -0.03 min  
Lab File: VF059522.D  
Acq: 18 Jul 2018 19:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 113143 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 4.6   | 0.0   | 9.6    |



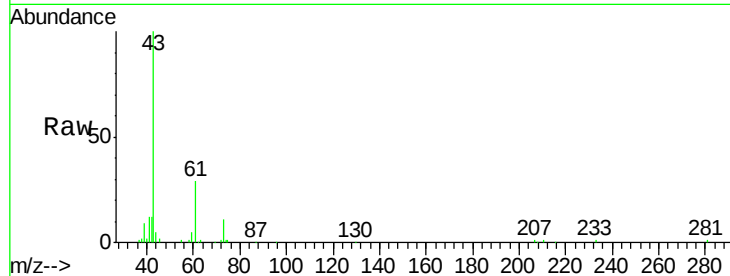


#43

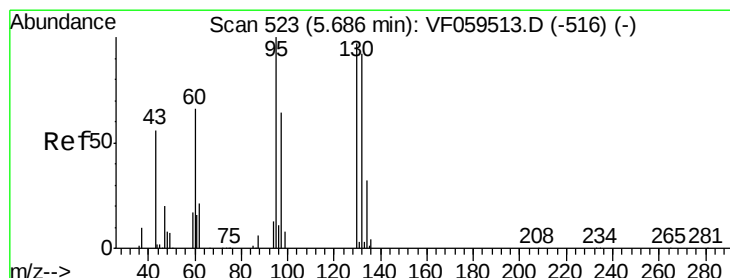
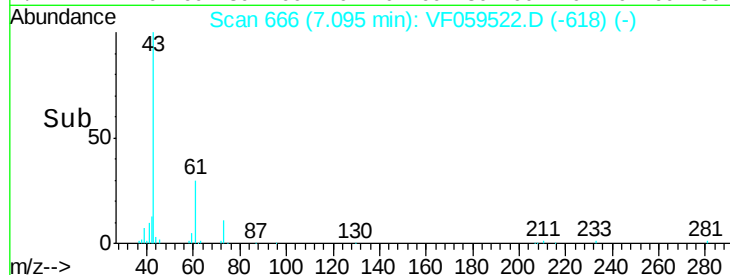
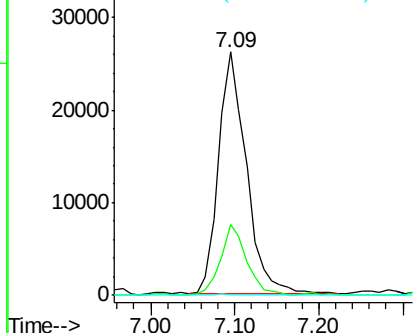
Isopropyl Acetate  
 Concen: 21.790 ug/l  
 RT: 7.09 min Scan# 666  
 Delta R.T. -0.03 min  
 Lab File: VF059522.D  
 Acq: 18 Jul 2018 19:54

Instrument :  
 MSVOA\_F  
 ClientSampleId :

| Tot Ion   | 43   | Resp  | 60255 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 61        | 29.2 | 20.3  | 30.5  |
| 87        | 0.4  | 0.4   | 0.6   |



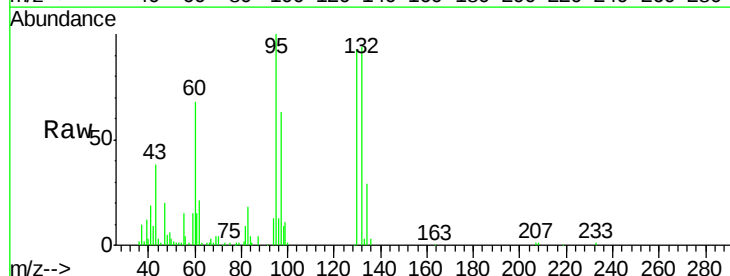
Abundance Ion 43.00 (42.70 to 43.70): VF0  
 Ion 61.00 (60.70 to 61.70): VF0  
 Ion 87.00 (86.70 to 87.70): VF0



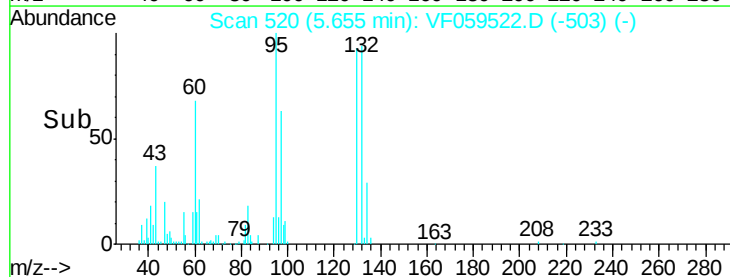
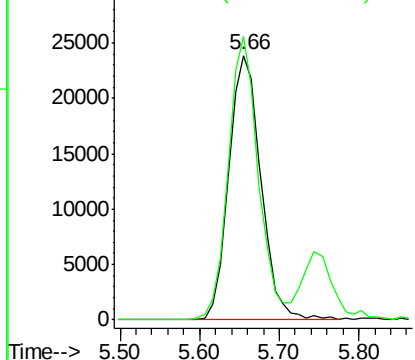
#44

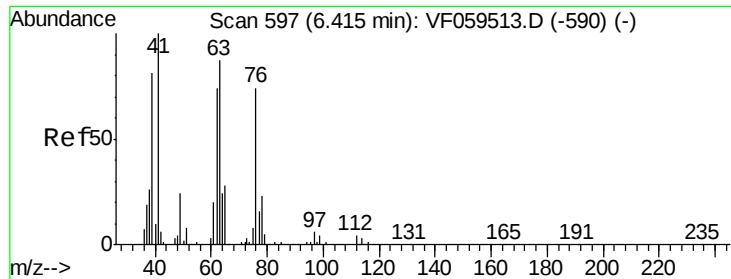
Trichloroethene  
 Concen: 24.235 ug/l  
 RT: 5.66 min Scan# 520  
 Delta R.T. -0.03 min  
 Lab File: VF059522.D  
 Acq: 18 Jul 2018 19:54

| Tgt Ion   | 130   | Resp  | 66972 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 95        | 107.0 | 0.0   | 206.6 |



Abundance Ion 129.90 (129.60 to 130.60): V  
 Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 22.961 ug/l

RT: 6.38 min Scan# 594

Delta R.T. -0.03 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

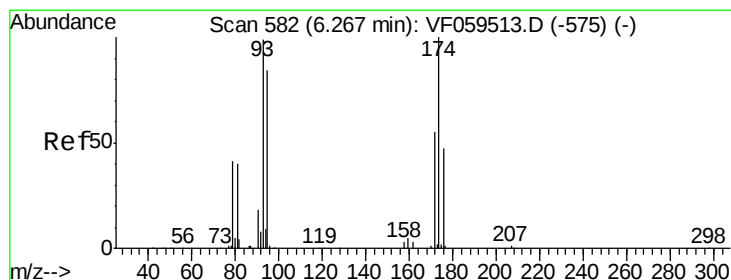
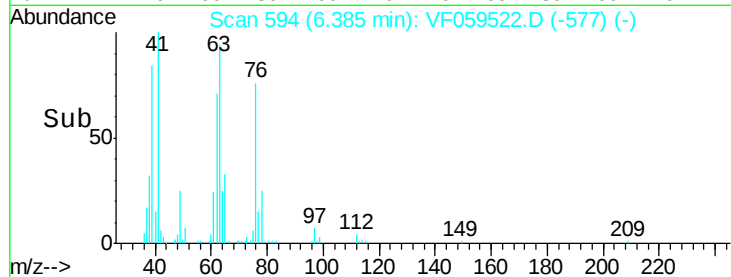
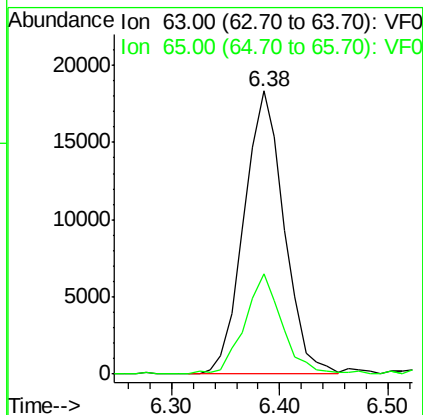
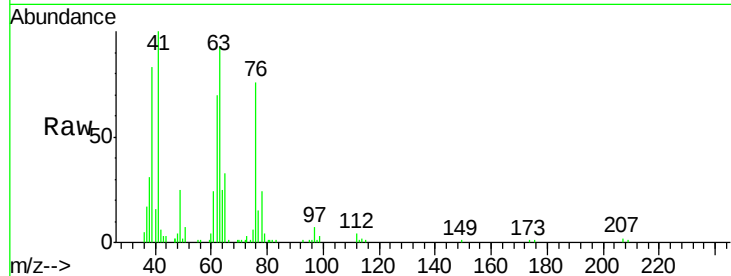
Instrument :  
MSVOA\_F  
ClientSampled :

Tot Ion: 63 Resp: 47578

Ion Ratio Lower Upper

63 100

65 35.3 26.1 39.1



#46

Dibromomethane

Concen: 24.060 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.03 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

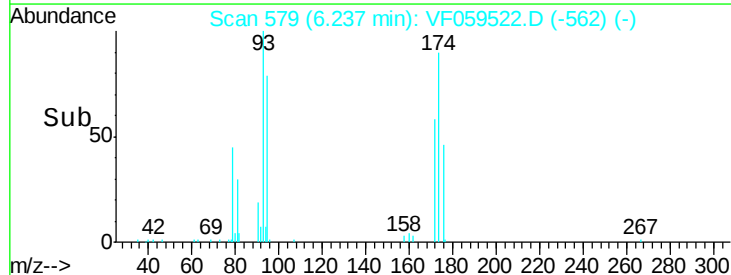
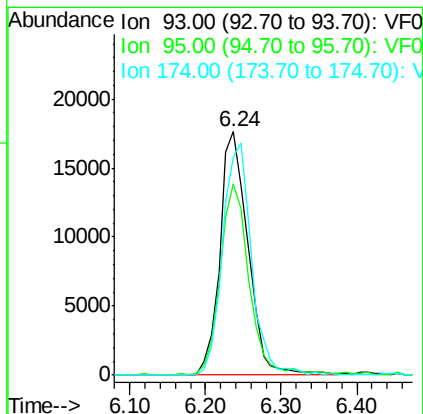
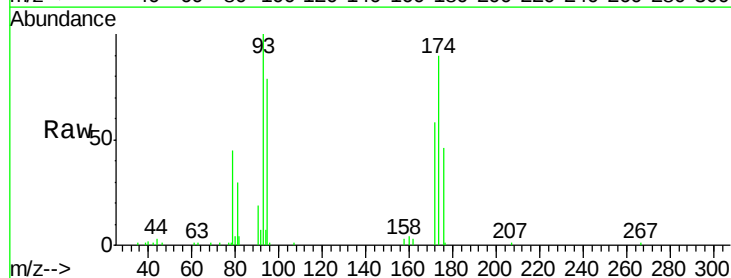
Tgt Ion: 93 Resp: 45404

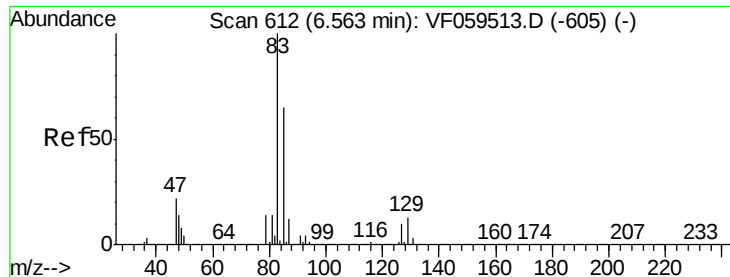
Ion Ratio Lower Upper

93 100

95 78.5 68.3 102.5

174 89.7 81.2 121.8





#47

Bromodichloromethane

Concen: 22.636 ug/l

RT: 6.53 min Scan# 609

Delta R.T. -0.03 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Instrument :  
MSVOA\_F  
ClientSampleId :

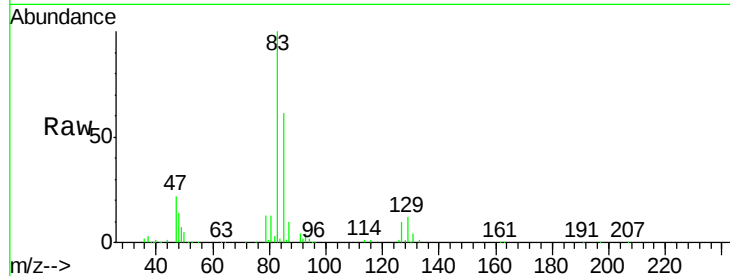
Tot Ion: 83 Resp: 109954

Ion Ratio Lower Upper

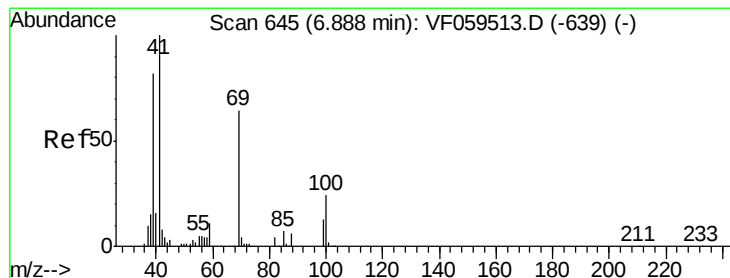
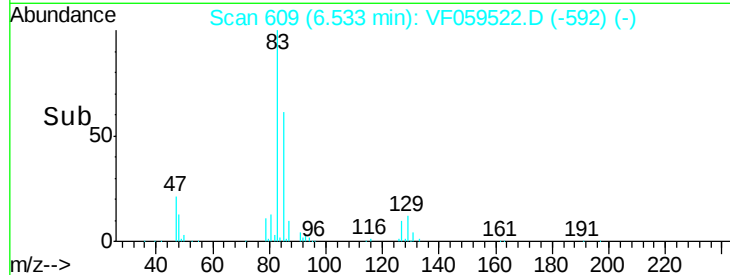
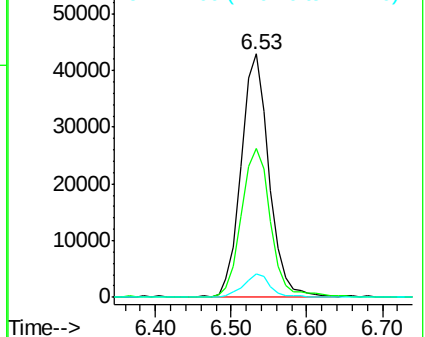
83 100

85 61.0 52.4 78.6

127 9.7 8.2 12.4



Abundance Ion 83.00 (82.70 to 83.70): VF0  
Ion 85.00 (84.70 to 85.70): VF0  
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 23.984 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.03 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

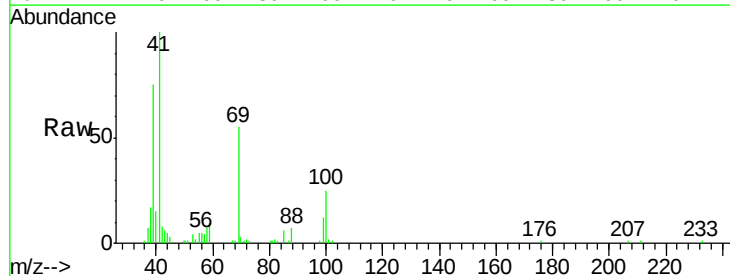
Tgt Ion: 41 Resp: 47367

Ion Ratio Lower Upper

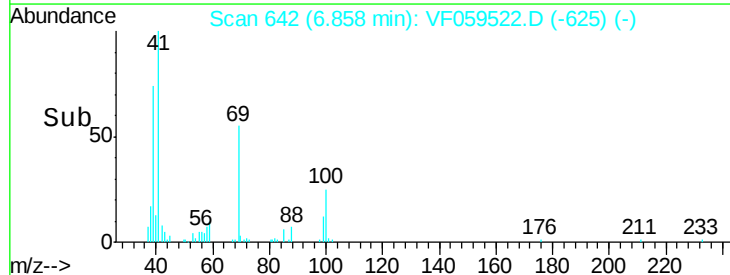
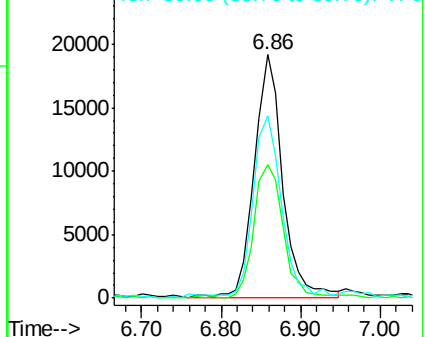
41 100

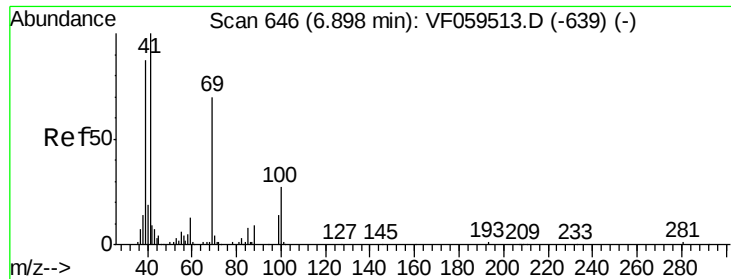
69 54.6 51.3 76.9

39 74.9 65.3 97.9



Abundance Ion 41.00 (40.70 to 41.70): VF0  
Ion 69.00 (68.70 to 69.70): VF0  
Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 580.371 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.05 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Instrument :

MSVOA\_F

ClientSampleId :

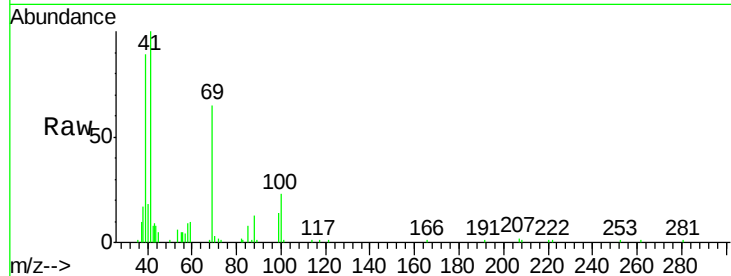
Tot Ion: 88 Resp: 5511

Ion Ratio Lower Upper

88 100

43 72.9 64.8 97.2

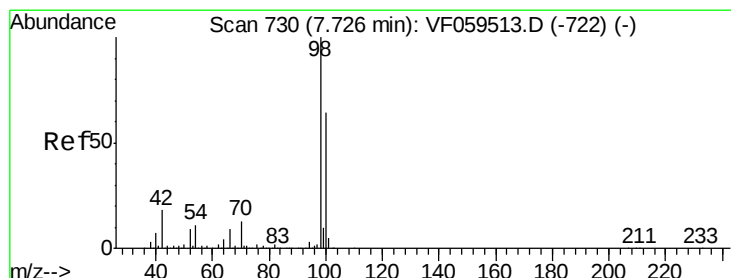
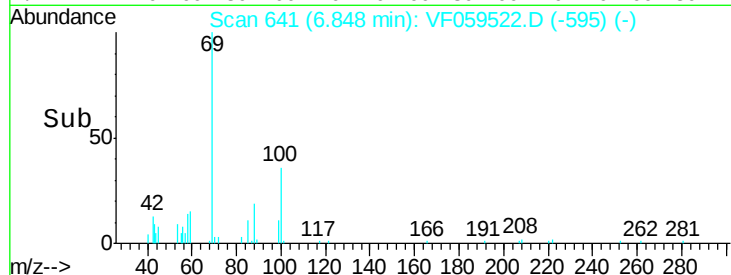
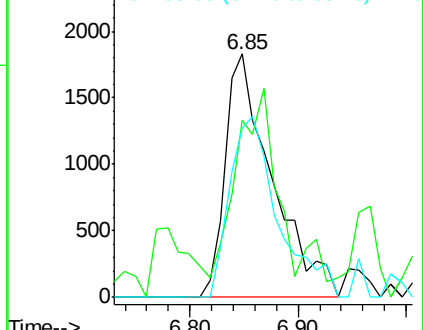
58 69.5 44.1 66.1#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 48.155 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.03 min

Lab File: VF059522.D

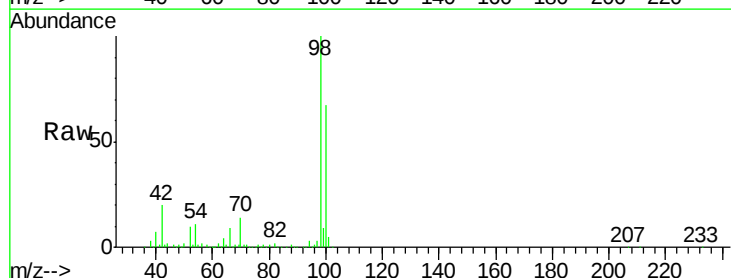
Acq: 18 Jul 2018 19:54

Tgt Ion: 98 Resp: 403902

Ion Ratio Lower Upper

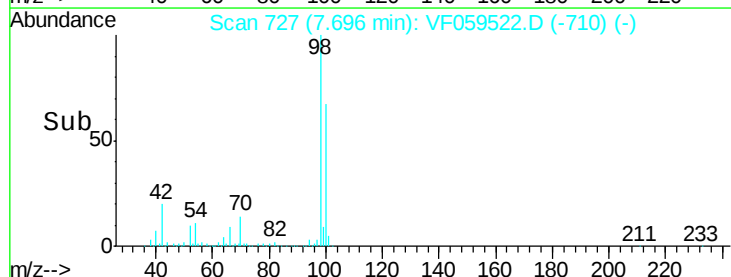
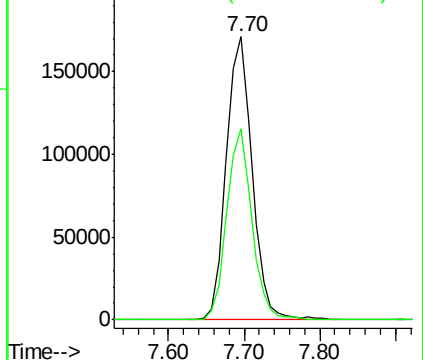
98 100

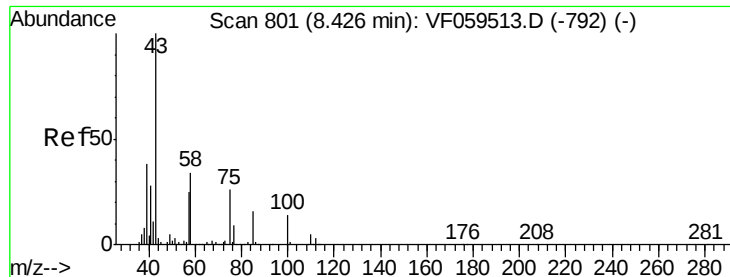
100 67.4 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 113.085 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.04 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

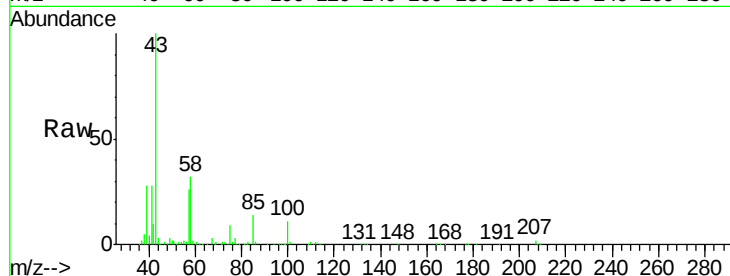
Instrument :  
MSVOA\_F  
ClientSampleId :

Tot Ion: 43 Resp: 221663

Ion Ratio Lower Upper

43 100

58 31.6 27.4 41.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.39

100000

80000

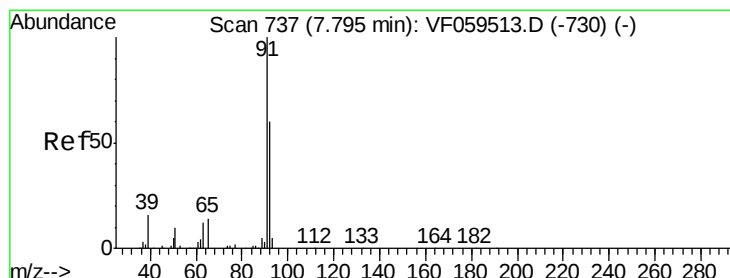
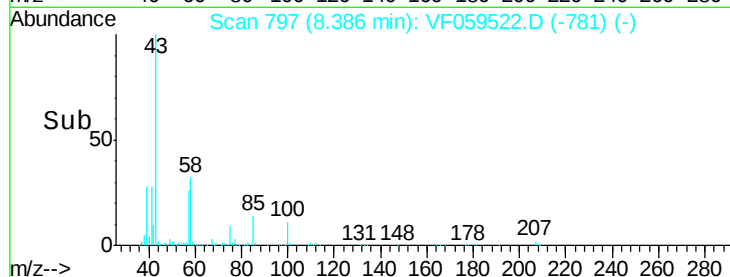
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 23.517 ug/l

RT: 7.76 min Scan# 734

Delta R.T. -0.03 min

Lab File: VF059522.D

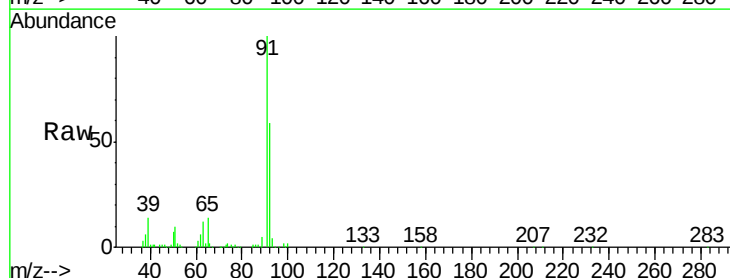
Acq: 18 Jul 2018 19:54

Tgt Ion: 92 Resp: 127332

Ion Ratio Lower Upper

92 100

91 169.6 134.2 201.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.76

100000

80000

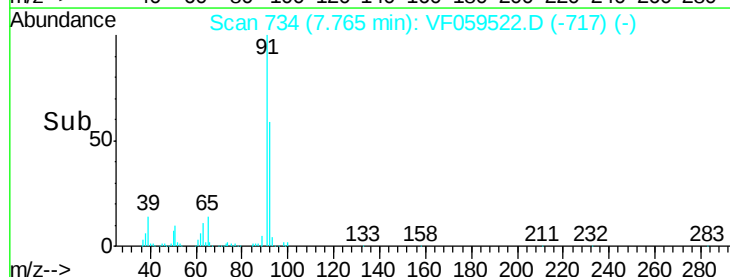
60000

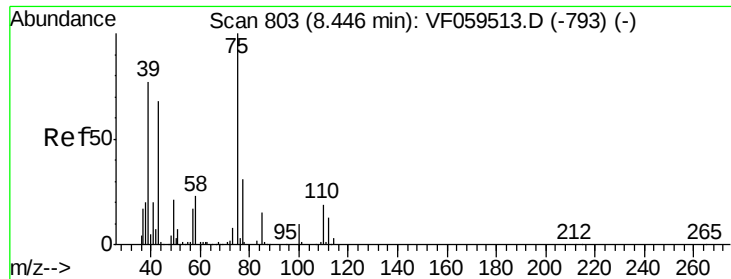
40000

20000

0

Time-->

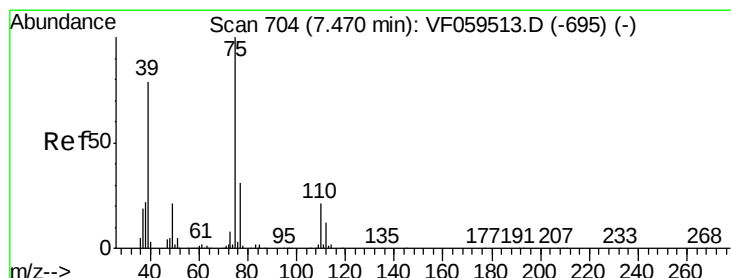
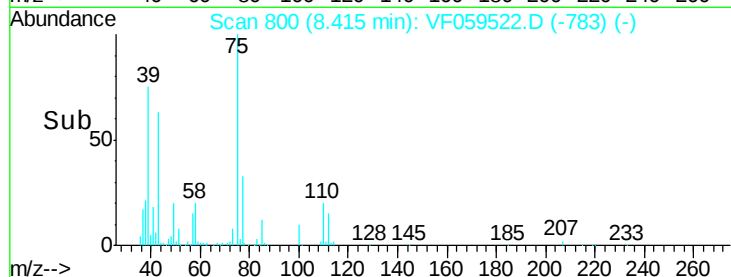
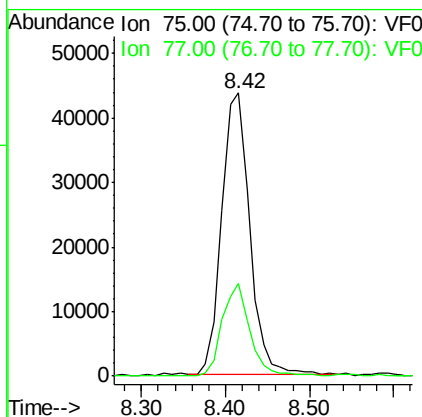
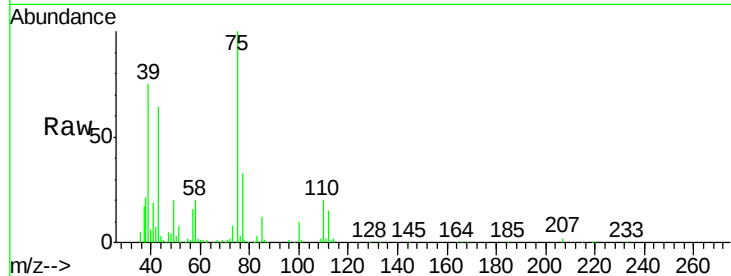




#53  
t-1,3-Dichloropropene  
Concen: 22.747 ug/l  
RT: 8.42 min Scan# 800  
Delta R.T. -0.03 min  
Lab File: VF059522.D  
Acq: 18 Jul 2018 19:54

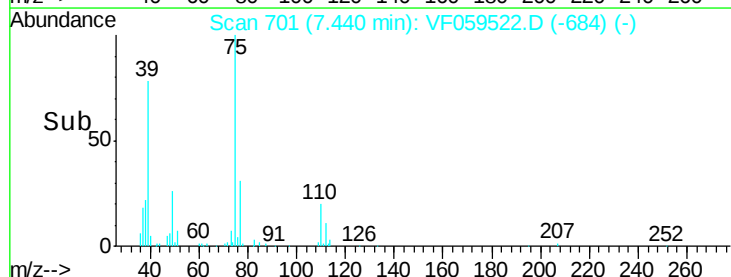
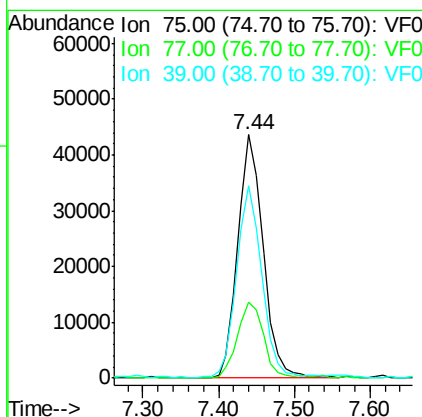
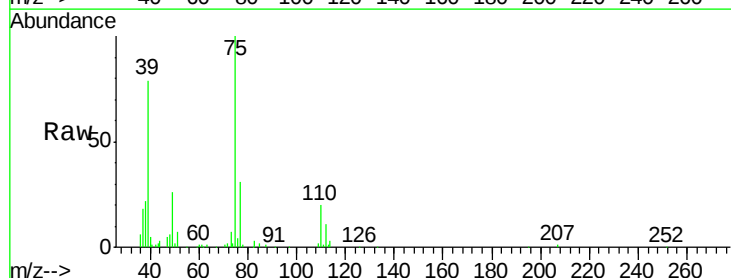
Instrument :  
MSVOA\_F  
ClientSampleId :

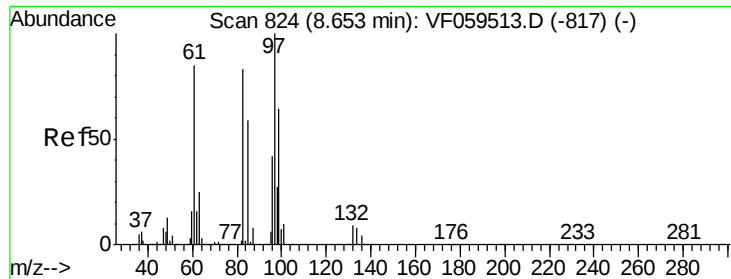
Tot Ion: 75 Resp: 101637  
Ion Ratio Lower Upper  
75 100  
77 32.6 25.3 37.9



#54  
cis-1,3-Dichloropropene  
Concen: 22.865 ug/l  
RT: 7.44 min Scan# 701  
Delta R.T. -0.03 min  
Lab File: VF059522.D  
Acq: 18 Jul 2018 19:54

Tgt Ion: 75 Resp: 101724  
Ion Ratio Lower Upper  
75 100  
77 31.2 25.0 37.6  
39 79.1 63.8 95.6



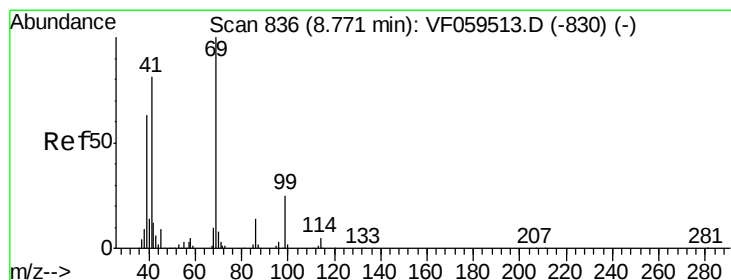
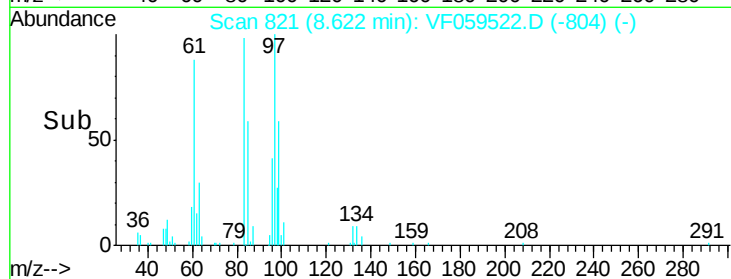
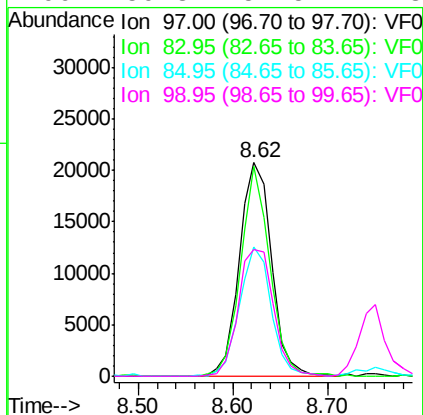
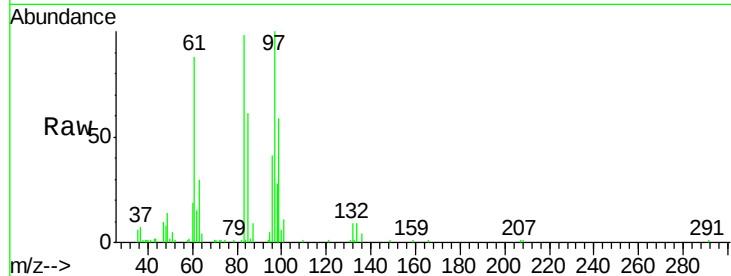


#55

1,1,2-Trichloroethane  
Concen: 23.358 ug/l  
RT: 8.62 min Scan# 821  
Delta R.T. -0.03 min  
Lab File: VF059522.D  
Acq: 18 Jul 2018 19:54

Instrument :  
MSVOA\_F  
ClientSampleId :

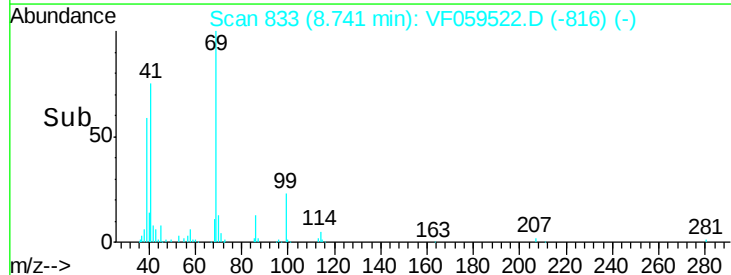
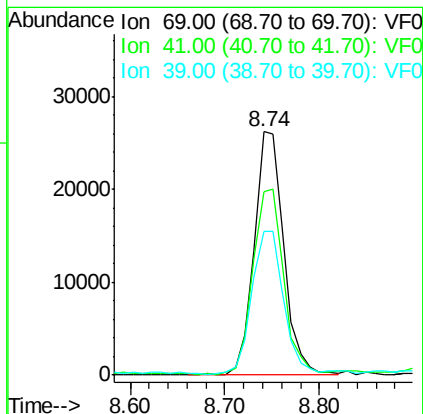
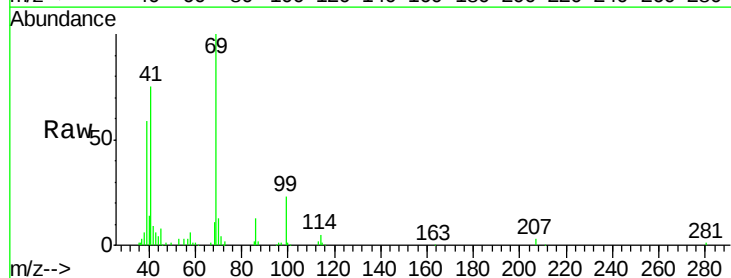
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 49002 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 98.3  | 66.9  | 100.3 |
| 85       | 60.6  | 46.9  | 70.3  |
| 99       | 59.3  | 51.5  | 77.3  |

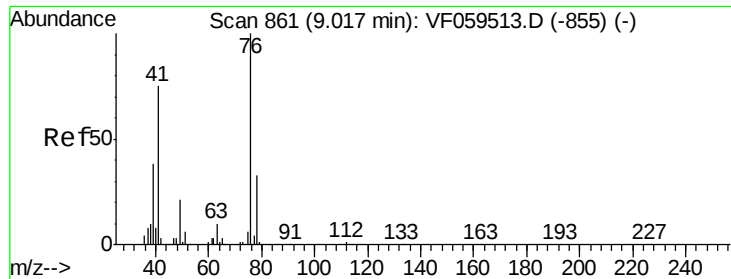


#56

Ethyl methacrylate  
Concen: 21.984 ug/l  
RT: 8.74 min Scan# 833  
Delta R.T. -0.03 min  
Lab File: VF059522.D  
Acq: 18 Jul 2018 19:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 57194 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 75.2  | 65.4  | 98.2  |
| 39       | 59.2  | 51.0  | 76.4  |





#57

1,3-Dichloropropane

Concen: 22.711 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.03 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

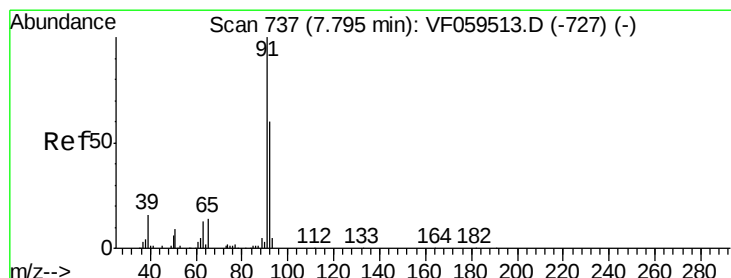
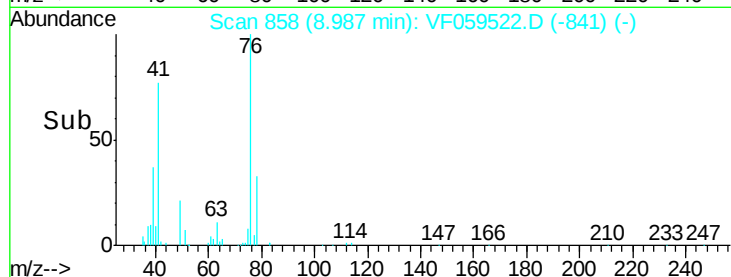
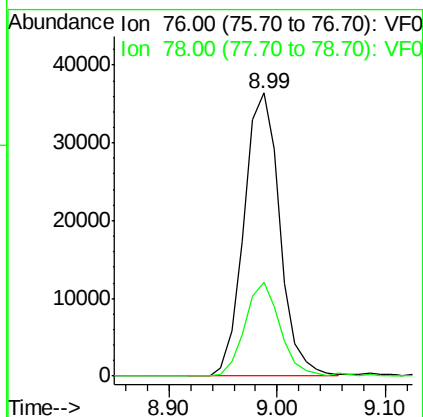
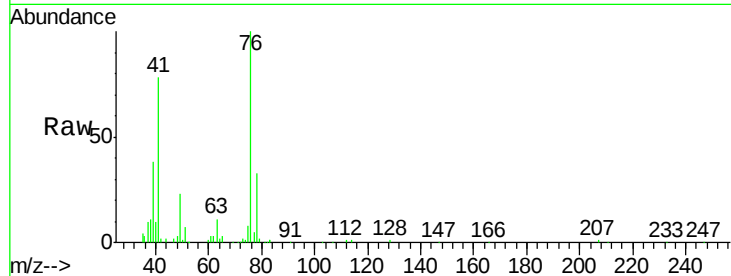
Instrument :  
MSVOA\_F  
ClientSampleId :

Tot Ion: 76 Resp: 84250

Ion Ratio Lower Upper

76 100

78 33.2 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 117.083 ug/l

RT: 7.76 min Scan# 734

Delta R.T. -0.03 min

Lab File: VF059522.D

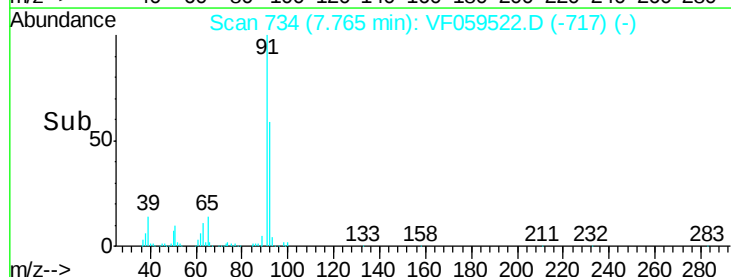
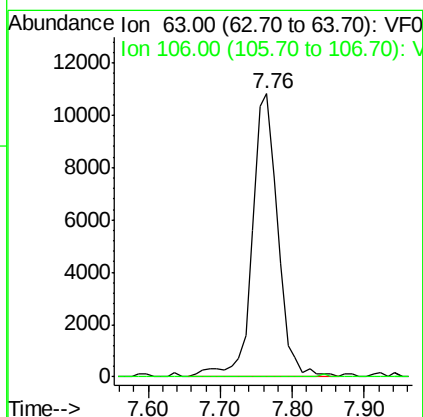
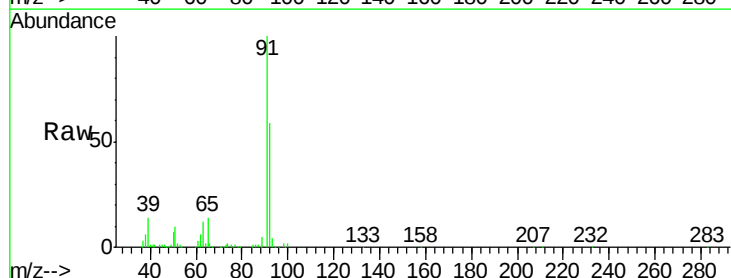
Acq: 18 Jul 2018 19:54

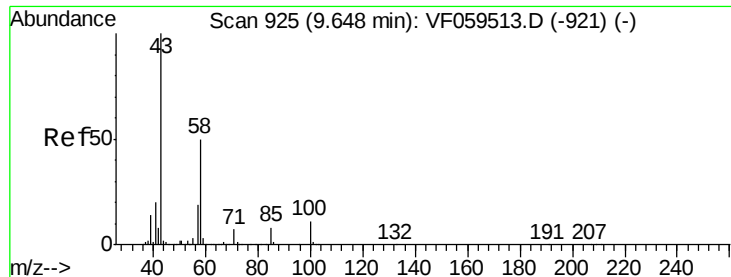
Tgt Ion: 63 Resp: 26893

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

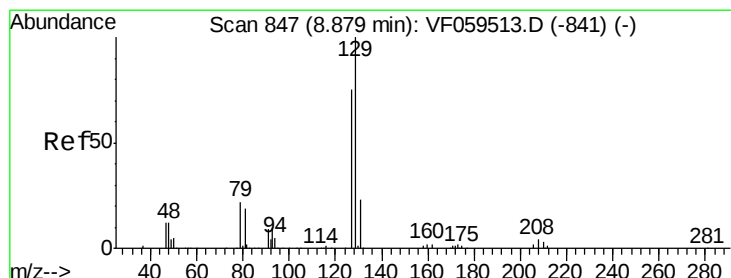
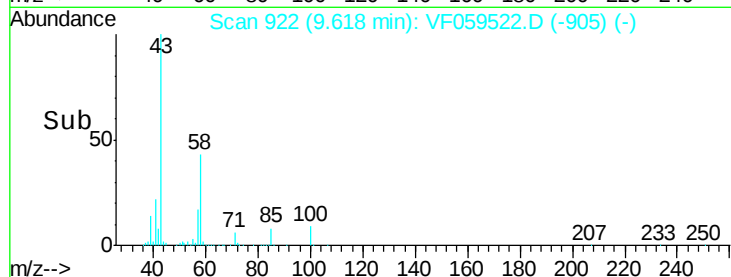
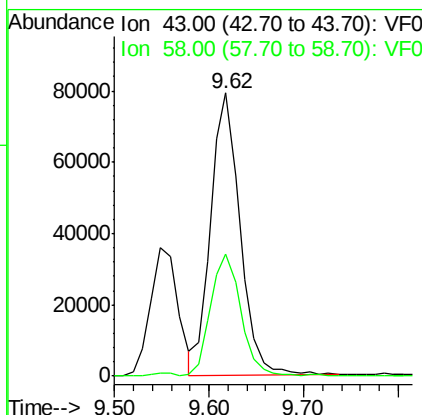
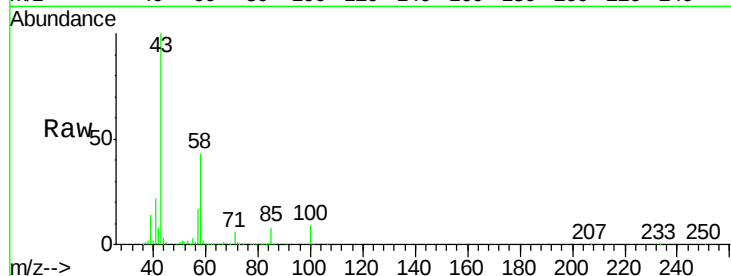




#59  
2-Hexanone  
Concen: 115.279 ug/l  
RT: 9.62 min Scan# 922  
Delta R.T. -0.03 min  
Lab File: VF059522.D  
Acq: 18 Jul 2018 19:54

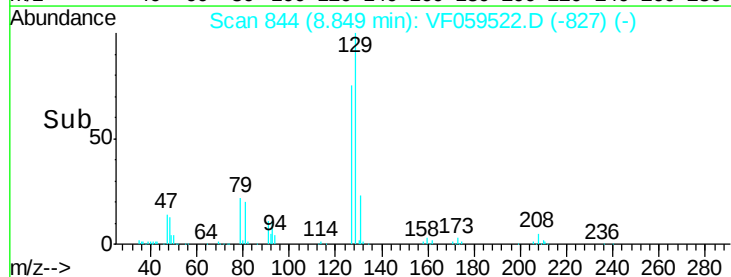
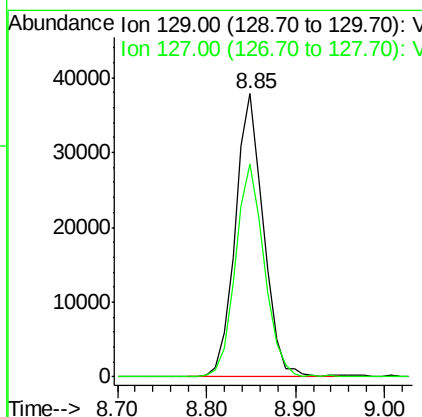
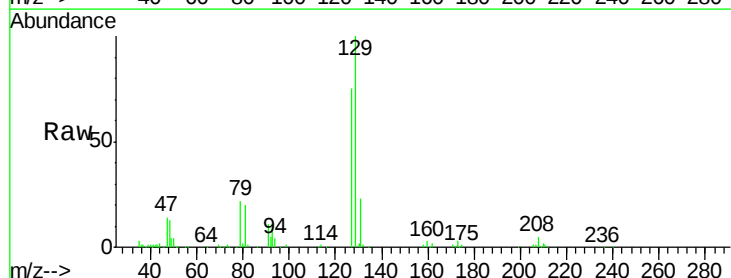
Instrument :  
MSVOA\_F  
ClientSampleId :

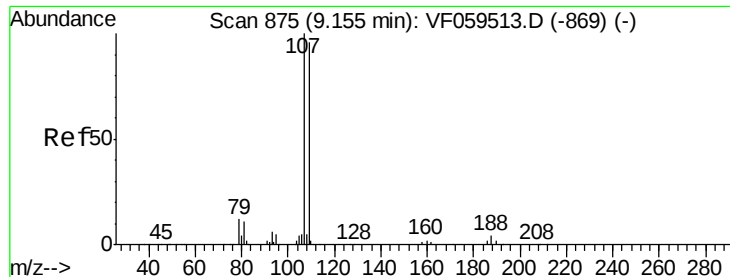
Tot Ion: 43 Resp: 170775  
Ion Ratio Lower Upper  
43 100  
58 43.1 23.3 69.9



#60  
Dibromochloromethane  
Concen: 23.642 ug/l  
RT: 8.85 min Scan# 844  
Delta R.T. -0.03 min  
Lab File: VF059522.D  
Acq: 18 Jul 2018 19:54

Tgt Ion: 129 Resp: 83587  
Ion Ratio Lower Upper  
129 100  
127 75.3 37.6 112.8





#61

1,2-Dibromoethane

Concen: 22.895 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.04 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Instrument :

MSVOA\_F

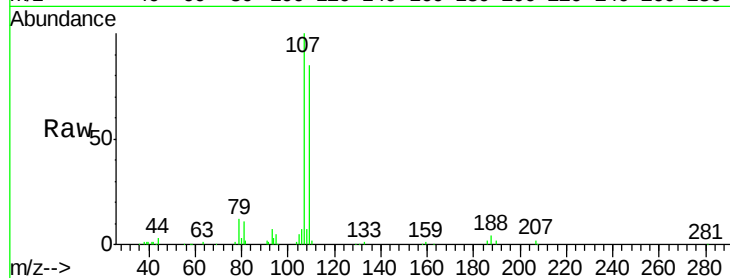
ClientSampleId :

Tot Ion:107 Resp: 59597

Ion Ratio Lower Upper

107 100

109 84.6 76.5 114.7

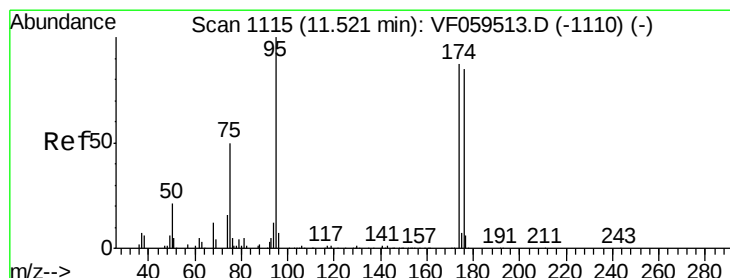
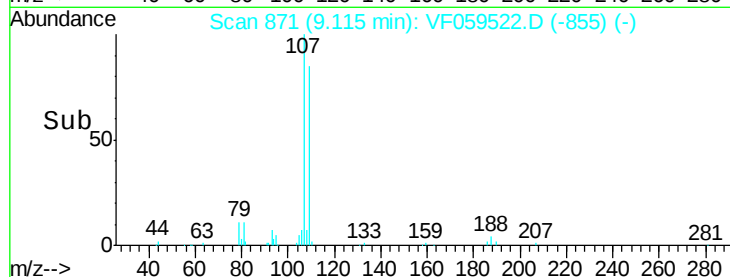


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.12

Time-->



#62

4-Bromofluorobenzene

Concen: 50.288 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.02 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

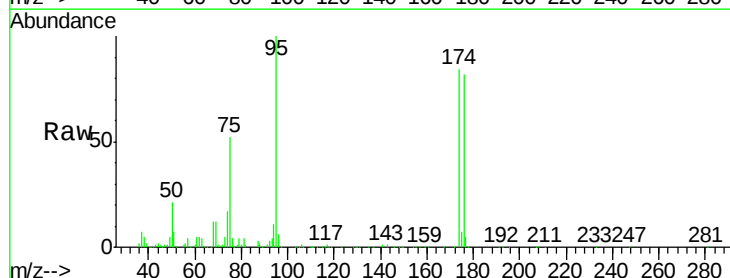
Tgt Ion: 95 Resp: 221272

Ion Ratio Lower Upper

95 100

174 84.4 0.0 174.4

176 81.5 0.0 169.4



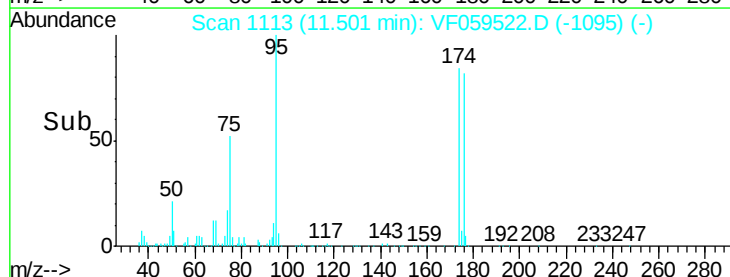
Abundance Ion 95.00 (94.70 to 95.70): VF0

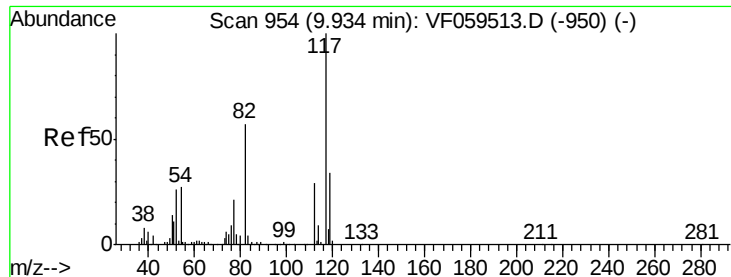
Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.50

Time-->

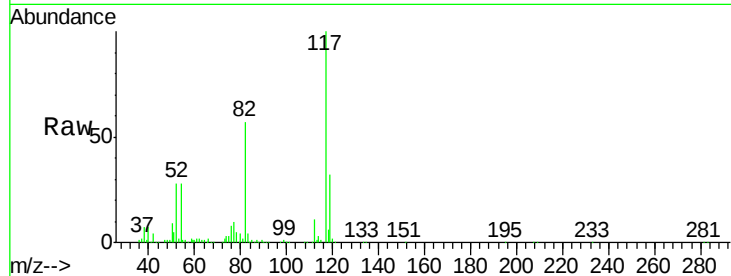




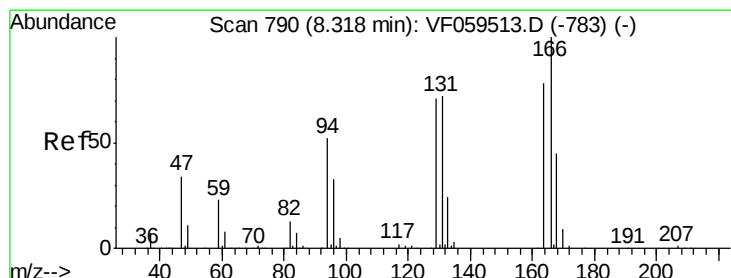
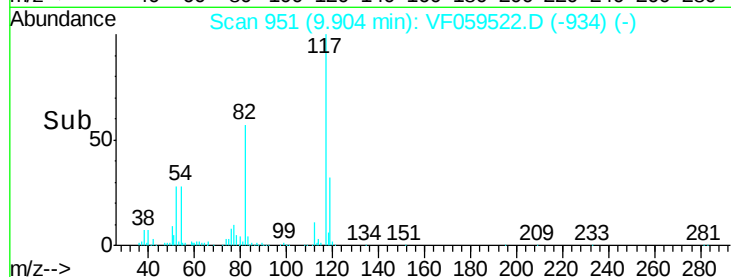
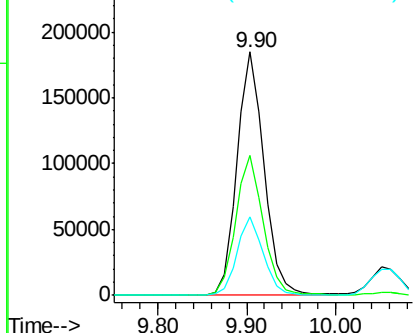
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.90 min Scan# 951  
Delta R.T. -0.03 min  
Lab File: VF059522.D  
Acq: 18 Jul 2018 19:54

Instrument :  
MSVOA\_F  
ClientSampleId :

Tot Ion:117 Resp: 391920  
Ion Ratio Lower Upper  
117 100  
82 57.3 46.1 69.1  
119 32.3 27.2 40.8

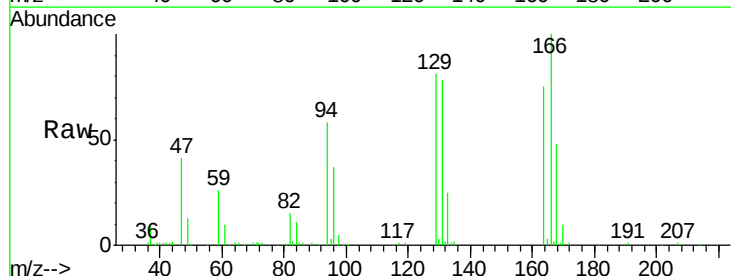


Abundance Ion 117.00 (116.70 to 117.70): V  
Ion 82.00 (81.70 to 82.70): VF0  
Ion 119.00 (118.70 to 119.70): V

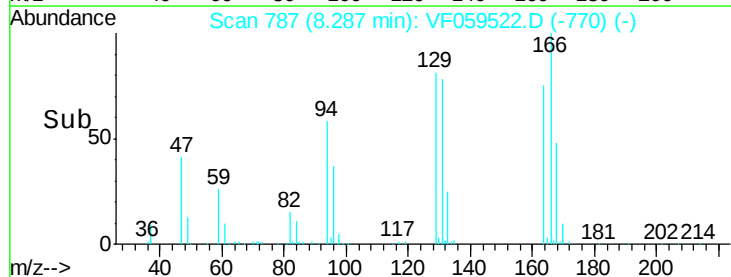
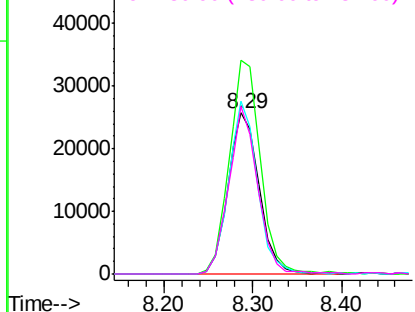


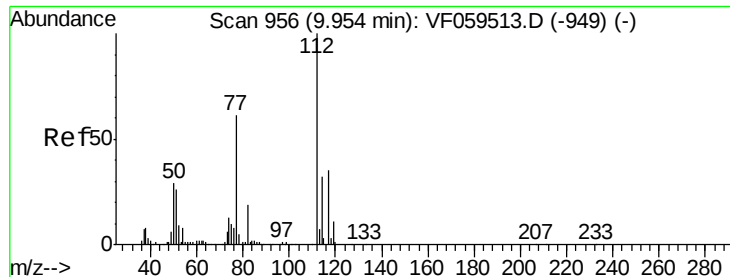
#64  
Tetrachloroethene  
Concen: 21.478 ug/l  
RT: 8.29 min Scan# 787  
Delta R.T. -0.03 min  
Lab File: VF059522.D  
Acq: 18 Jul 2018 19:54

Tgt Ion:164 Resp: 62685  
Ion Ratio Lower Upper  
164 100  
166 132.6 102.3 153.5  
129 107.6 72.4 108.6  
131 104.0 73.7 110.5



Abundance Ion 163.85 (163.55 to 164.55): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.90 (128.60 to 129.60): V  
Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 22.677 ug/l

RT: 9.92 min Scan# 953

Delta R.T. -0.03 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

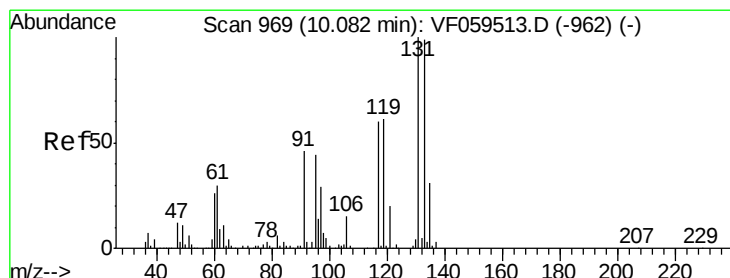
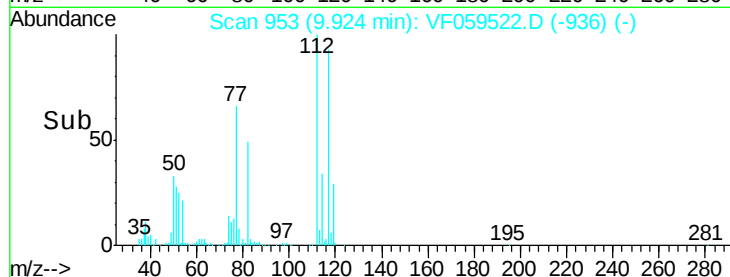
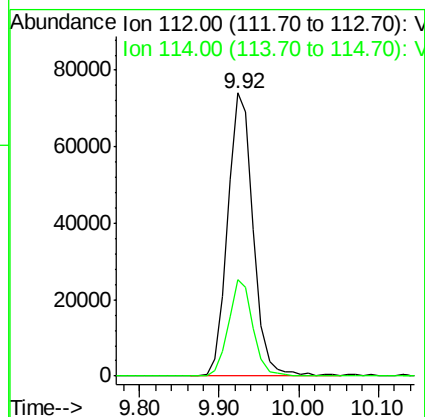
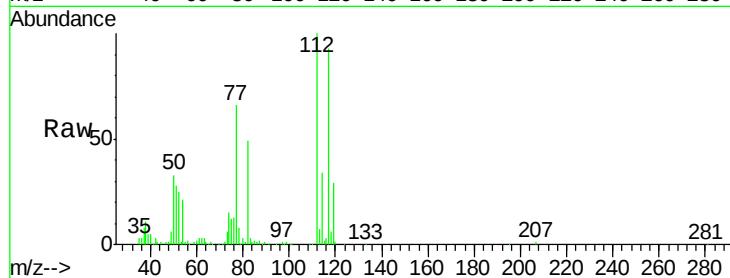
Instrument :  
MSVOA\_F  
ClientSampleId :

Tot Ion:112 Resp: 166680

Ion Ratio Lower Upper

112 100

114 34.1 25.4 38.2



#66

1,1,1,2-Tetrachloroethane

Concen: 22.511 ug/l

RT: 10.05 min Scan# 966

Delta R.T. -0.03 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

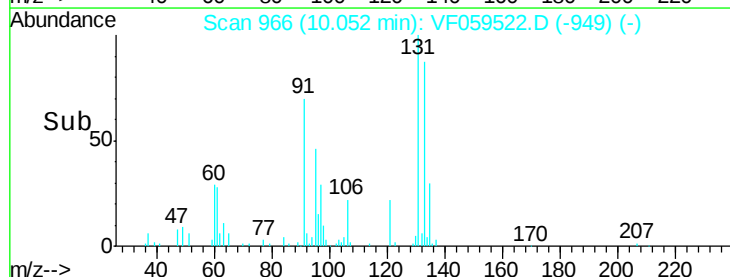
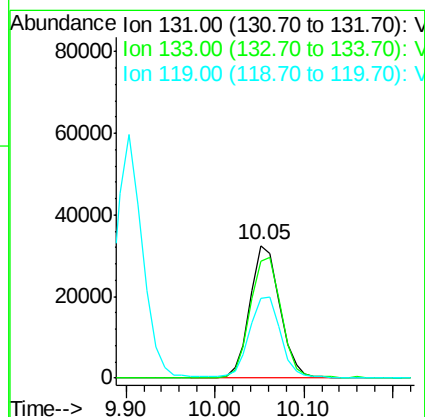
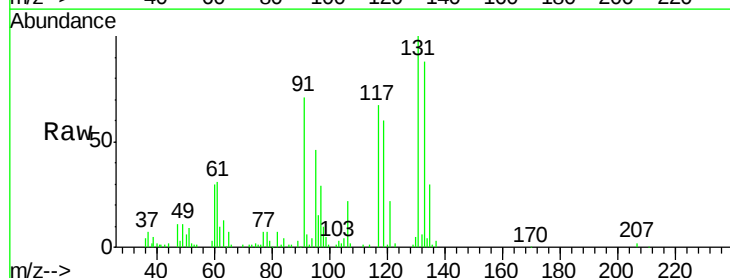
Tgt Ion:131 Resp: 75366

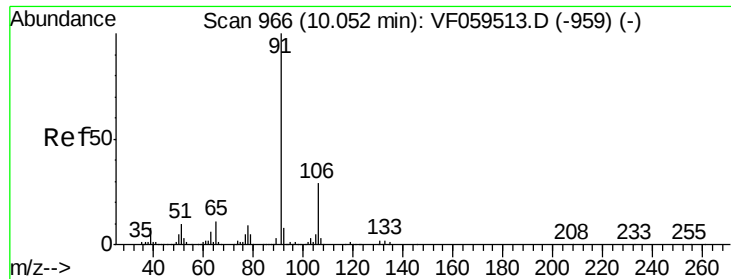
Ion Ratio Lower Upper

131 100

133 87.7 49.6 148.8

119 60.1 31.4 94.3





#67

Ethyl Benzene

Concen: 22.677 ug/l

RT: 10.02 min Scan# 963

Delta R.T. -0.03 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

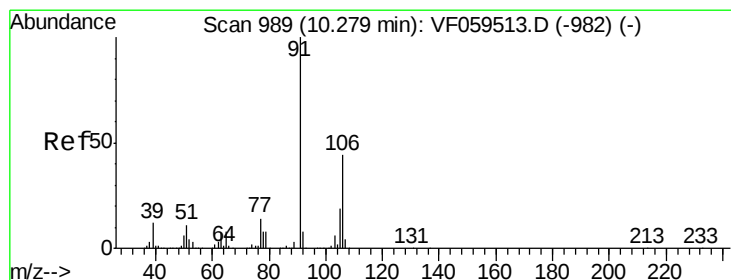
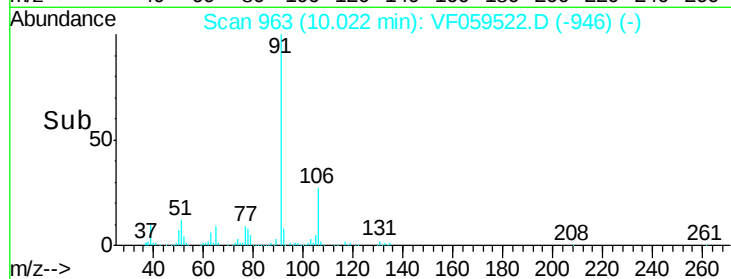
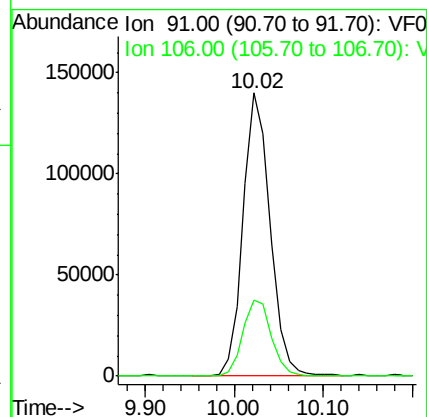
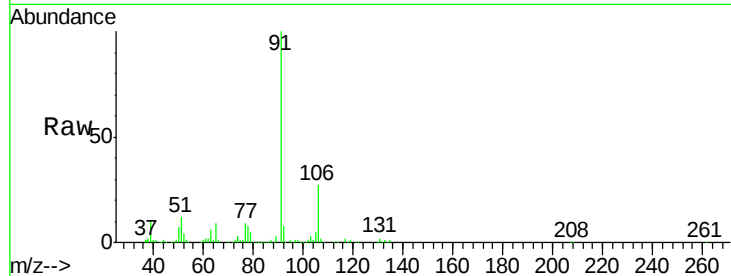
Instrument :  
MSVOA\_F  
ClientSampleId :

Tot Ion: 91 Resp: 296692

Ion Ratio Lower Upper

91 100

106 26.9 23.4 35.2



#68

m/p-Xylenes

Concen: 47.036 ug/l

RT: 10.25 min Scan# 986

Delta R.T. -0.03 min

Lab File: VF059522.D

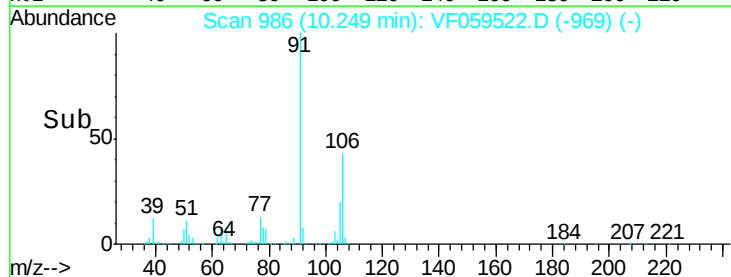
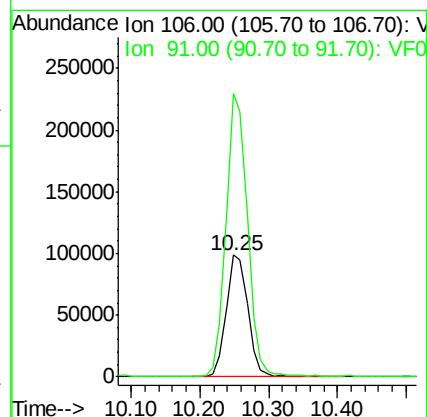
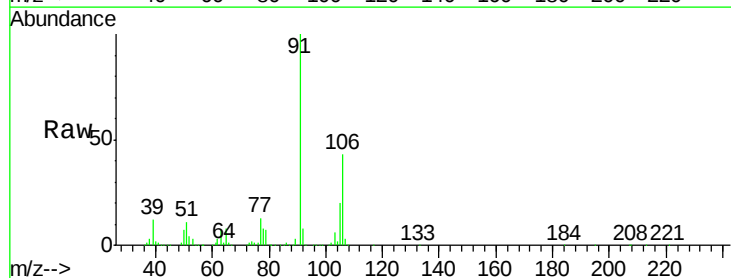
Acq: 18 Jul 2018 19:54

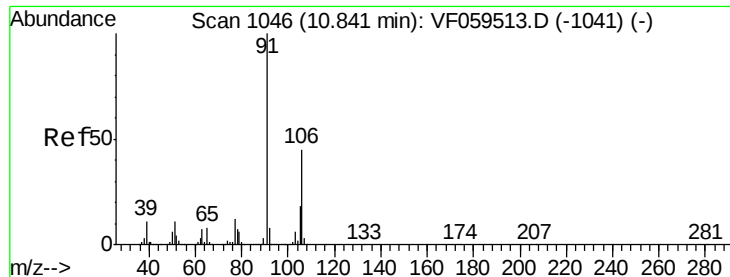
Tgt Ion: 106 Resp: 217200

Ion Ratio Lower Upper

106 100

91 232.2 181.0 271.4

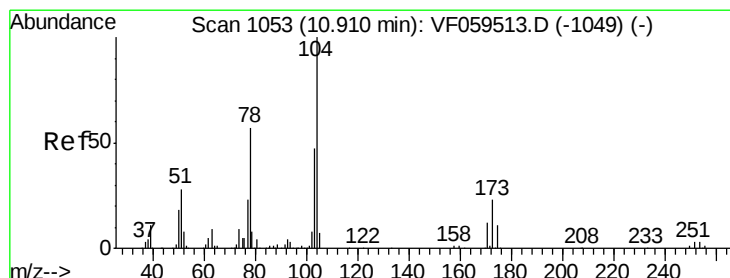
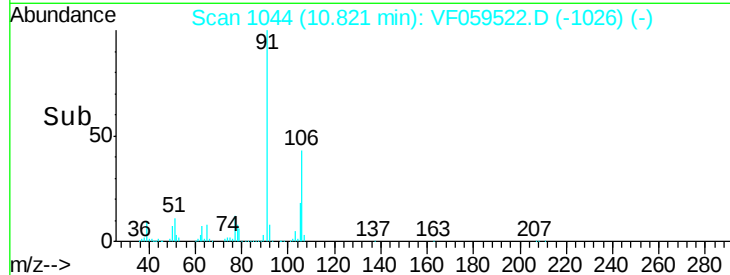
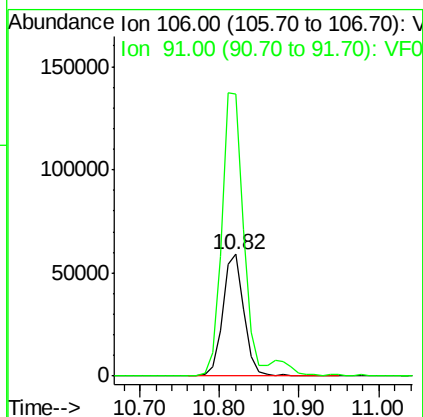
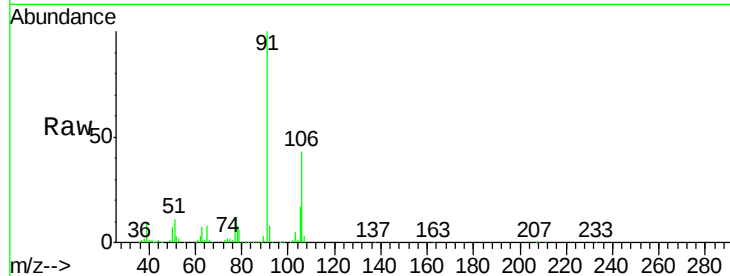




#69  
o-Xylene  
Concen: 22.735 ug/l  
RT: 10.82 min Scan# 1044  
Delta R.T. -0.02 min  
Lab File: VF059522.D  
Acq: 18 Jul 2018 19:54

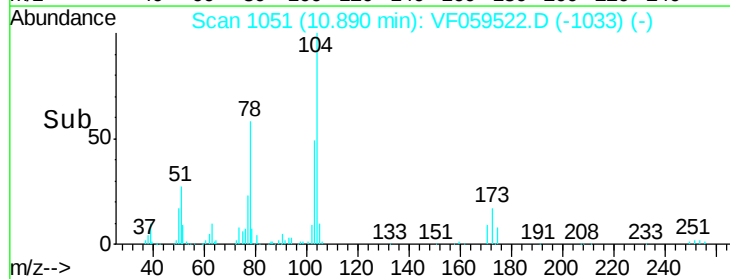
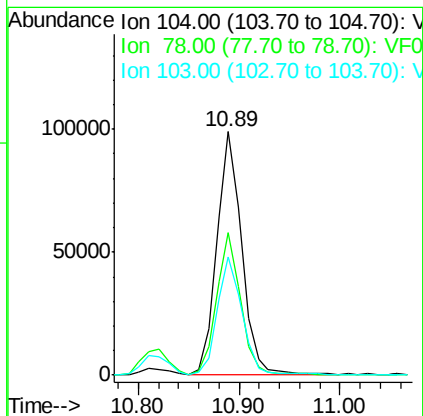
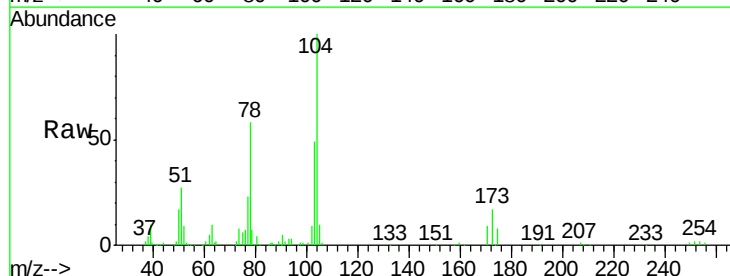
Instrument :  
MSVOA\_F  
ClientSampleId :

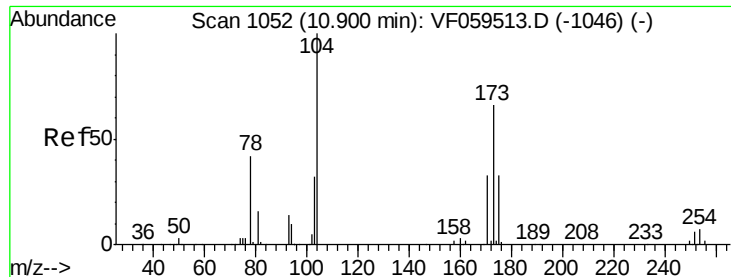
Tot Ion:106 Resp: 111789  
Ion Ratio Lower Upper  
106 100  
91 231.3 112.3 336.9



#70  
Styrene  
Concen: 22.547 ug/l  
RT: 10.89 min Scan# 1051  
Delta R.T. -0.02 min  
Lab File: VF059522.D  
Acq: 18 Jul 2018 19:54

Tgt Ion:104 Resp: 170408  
Ion Ratio Lower Upper  
104 100  
78 58.4 45.7 68.5  
103 48.8 38.1 57.1





#71

Bromoform

Concen: 22.331 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.02 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Instrument :

MSVOA\_F

ClientSampled :

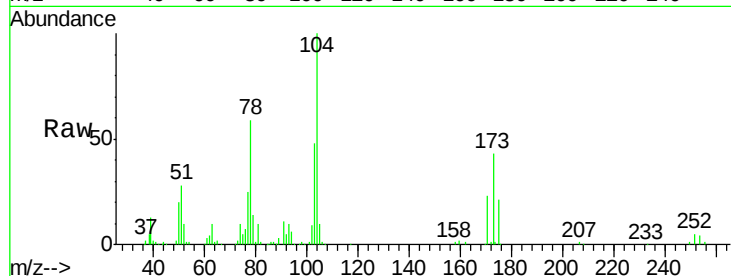
Tot Ion:173 Resp: 51930

Ion Ratio Lower Upper

173 100

175 49.0 25.3 75.8

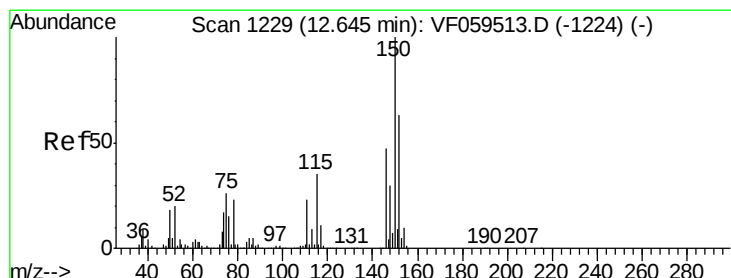
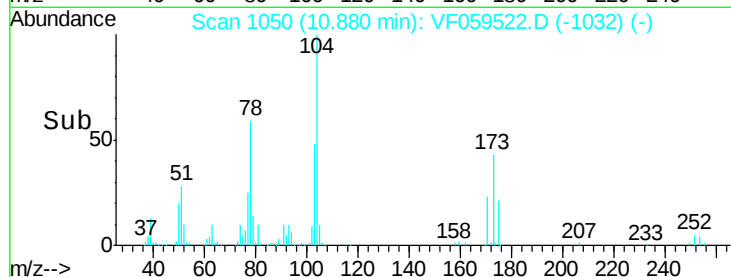
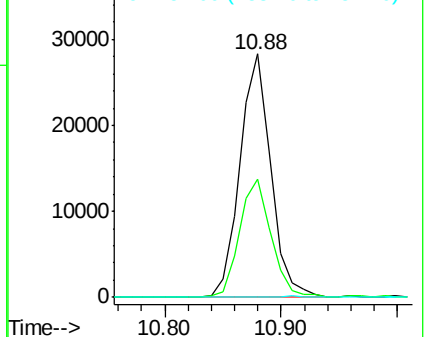
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. -0.02 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

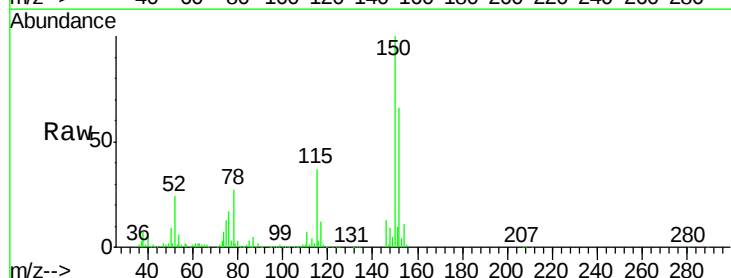
Tgt Ion:152 Resp: 240382

Ion Ratio Lower Upper

152 100

115 57.1 27.8 83.3

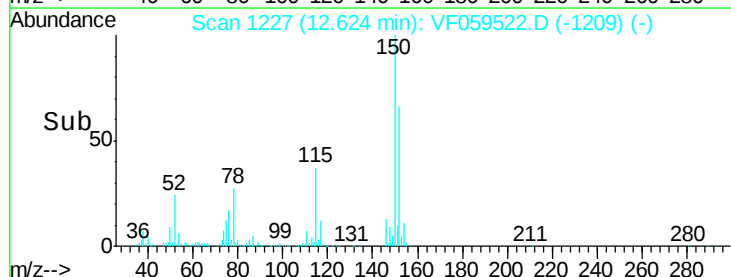
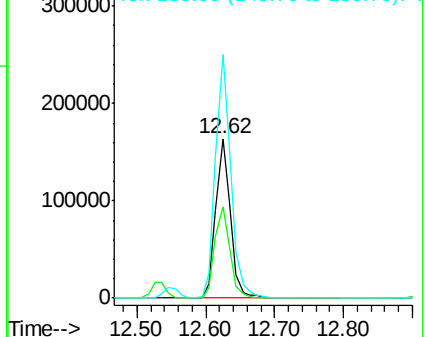
150 152.6 0.0 318.4

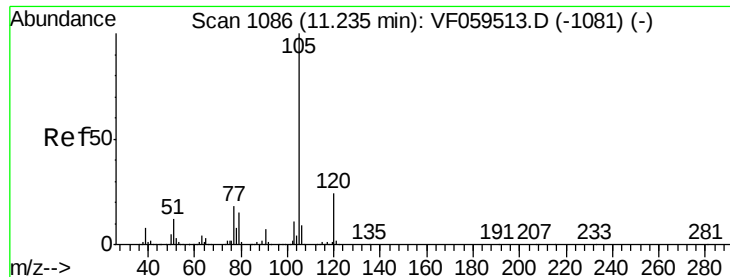


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.120 ug/l

RT: 11.21 min Scan# 1084

Delta R.T. -0.02 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Instrument :

MSVOA\_F

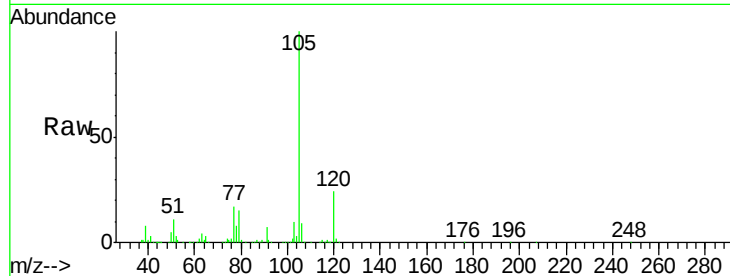
ClientSampleId :

Tot Ion:105 Resp: 335522

Ion Ratio Lower Upper

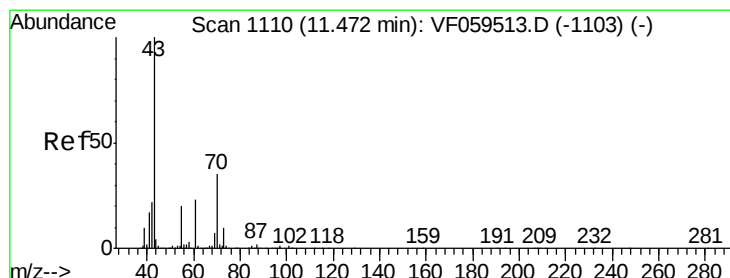
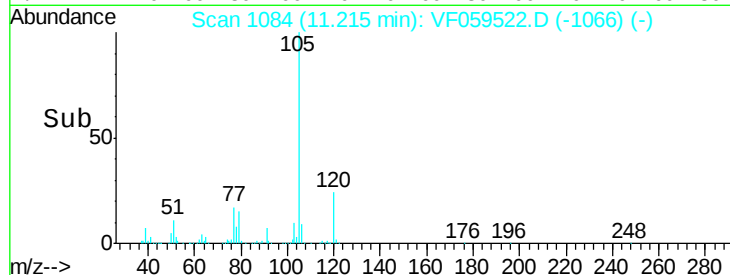
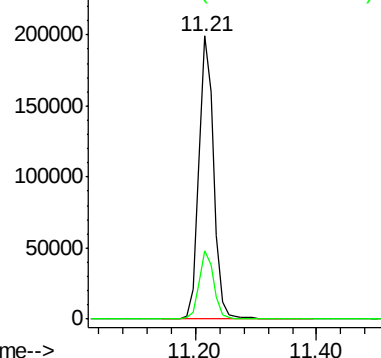
105 100

120 24.2 12.0 36.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.101 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.02 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Tgt Ion: 43 Resp: 97651

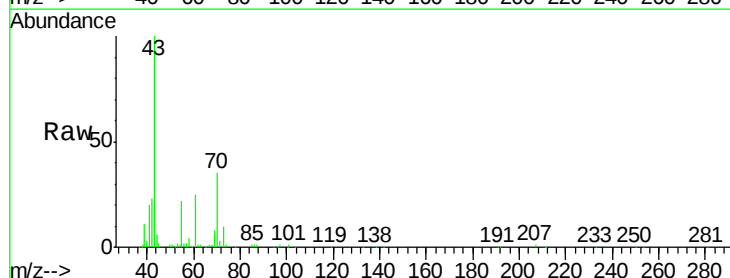
Ion Ratio Lower Upper

43 100

70 35.2 27.9 41.9

55 21.6 16.2 24.2

61 24.6 18.6 27.8

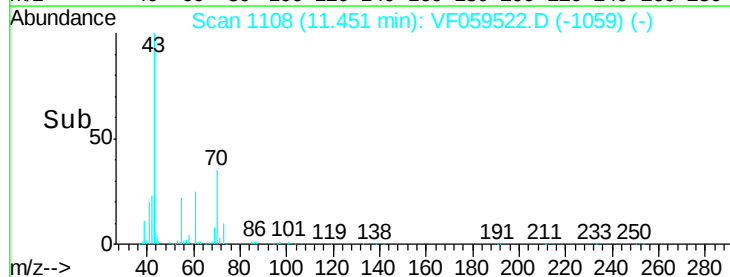
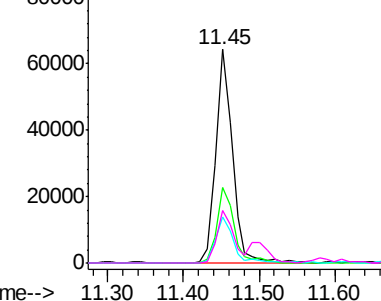


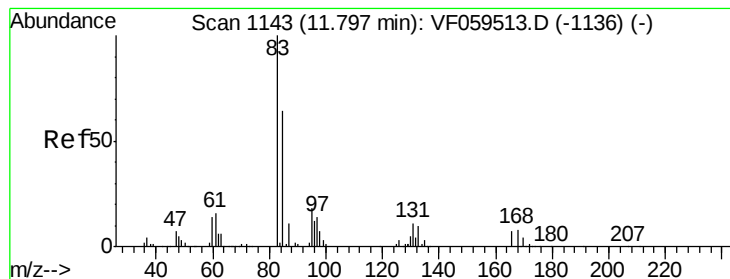
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.163 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.02 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Instrument :

MSVOA\_F

ClientSampleId :

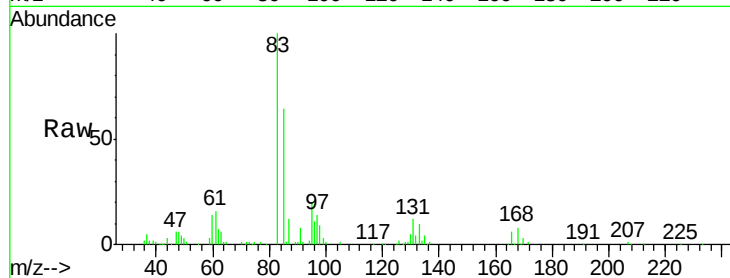
Tot Ion: 83 Resp: 70016

Ion Ratio Lower Upper

83 100

131 12.3 5.7 17.1

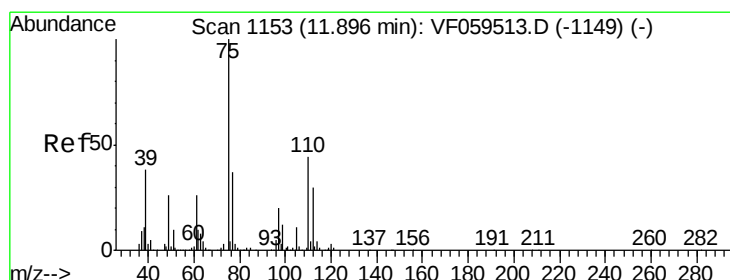
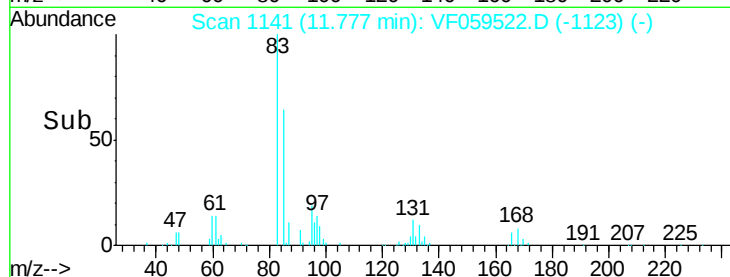
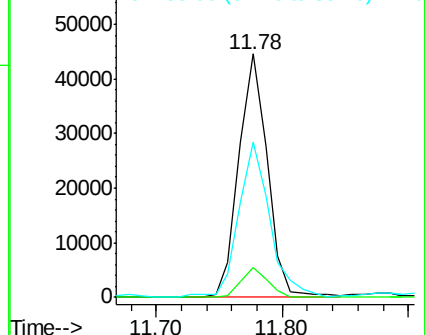
85 63.9 31.9 95.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 21.921 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.02 min

Lab File: VF059522.D

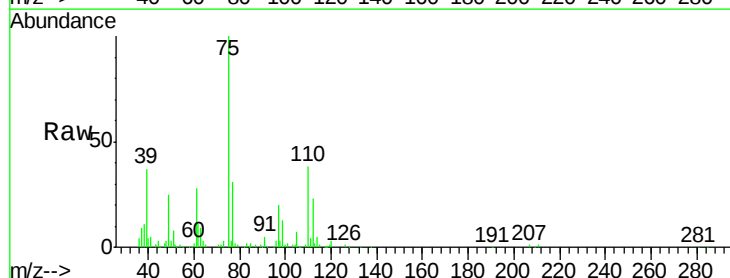
Acq: 18 Jul 2018 19:54

Tgt Ion: 75 Resp: 59223

Ion Ratio Lower Upper

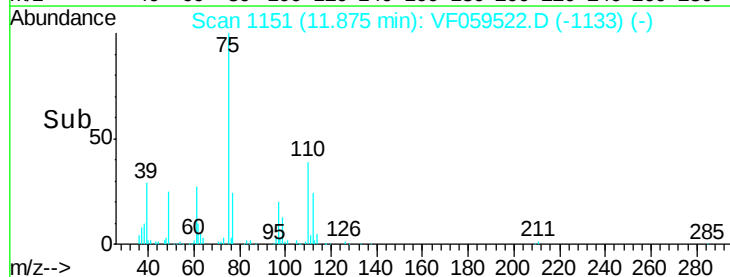
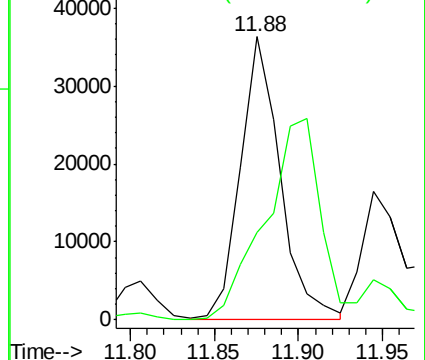
75 100

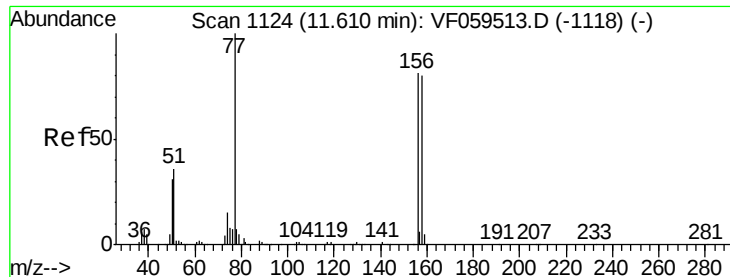
77 30.8 18.7 56.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.530 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.02 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Instrument :

MSVOA\_F

ClientSampleId :

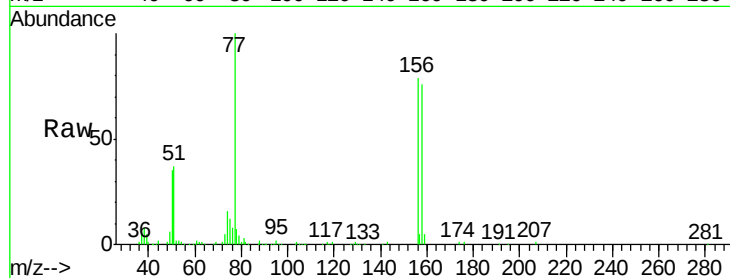
Tot Ion:156 Resp: 91536

Ion Ratio Lower Upper

156 100

77 125.9 62.0 186.0

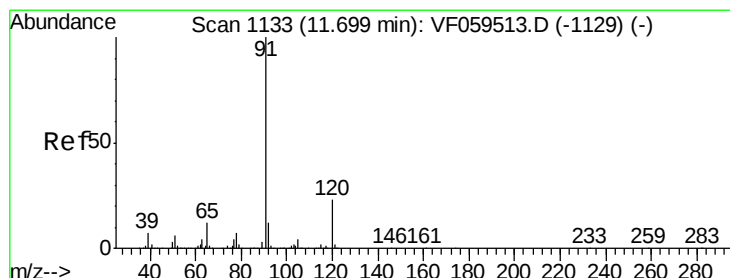
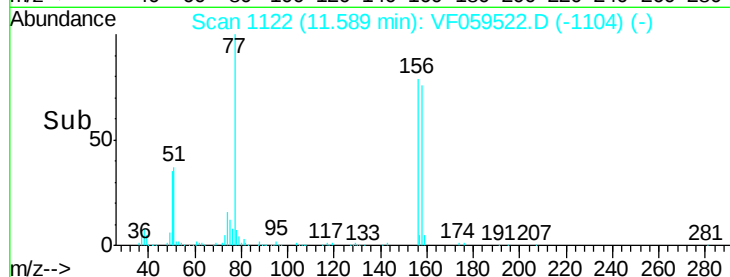
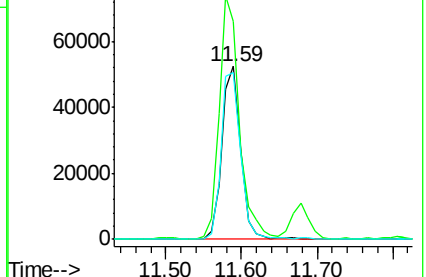
158 96.1 49.8 149.3



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 22.393 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.02 min

Lab File: VF059522.D

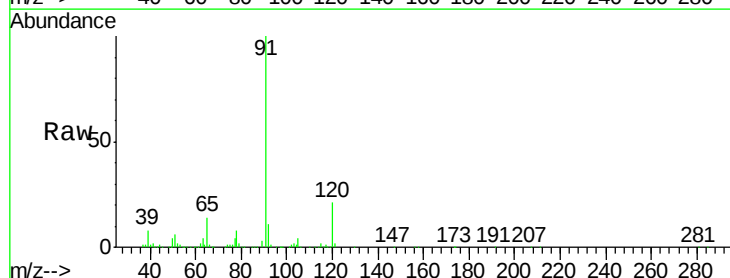
Acq: 18 Jul 2018 19:54

Tgt Ion: 91 Resp: 389635

Ion Ratio Lower Upper

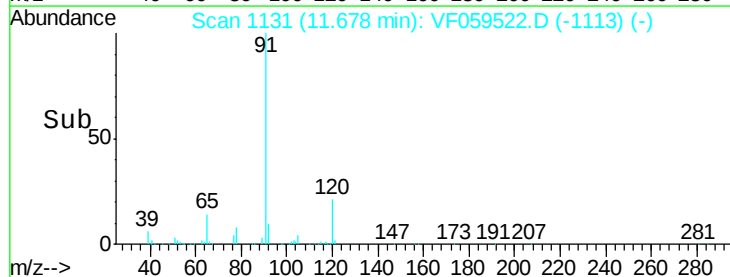
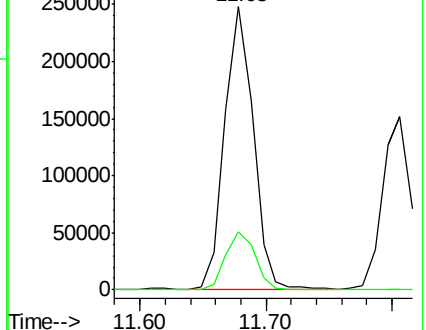
91 100

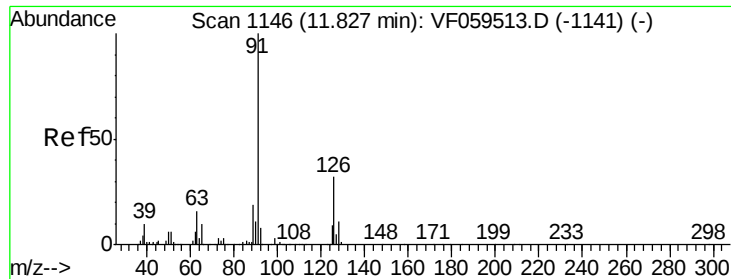
120 20.6 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.497 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.02 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Instrument :

MSVOA\_F

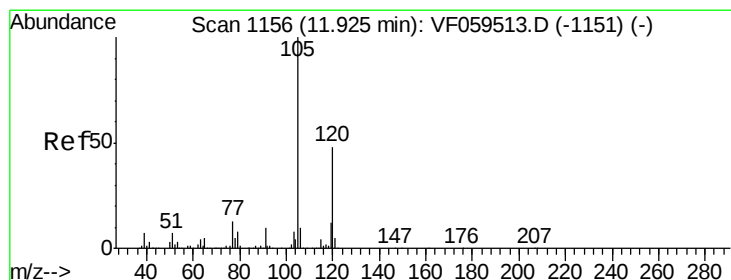
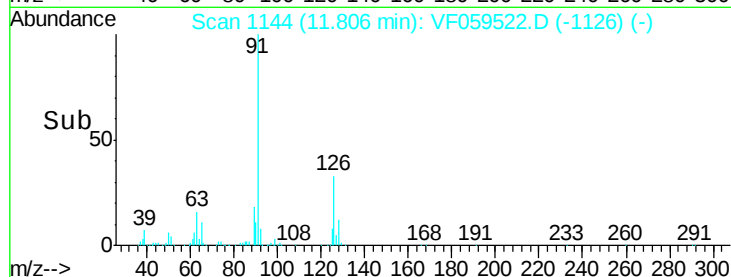
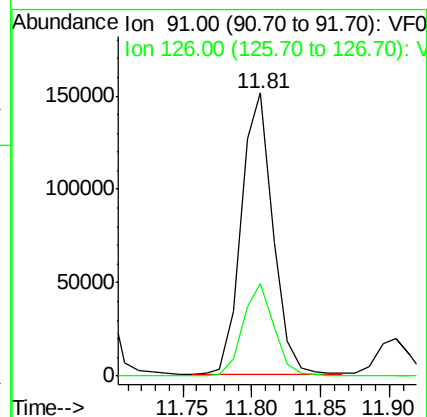
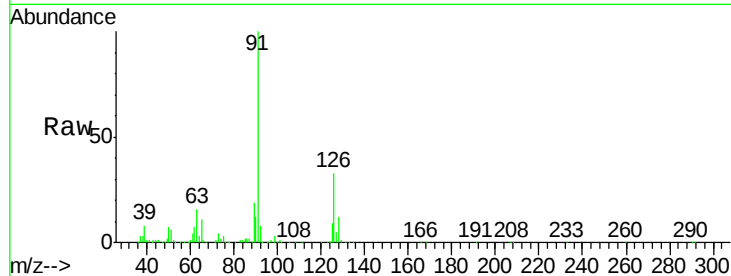
ClientSampleId :

Tot Ion: 91 Resp: 241109

Ion Ratio Lower Upper

91 100

126 32.8 15.7 47.1



#80

1,3,5-Trimethylbenzene

Concen: 23.049 ug/l

RT: 11.90 min Scan# 1154

Delta R.T. -0.02 min

Lab File: VF059522.D

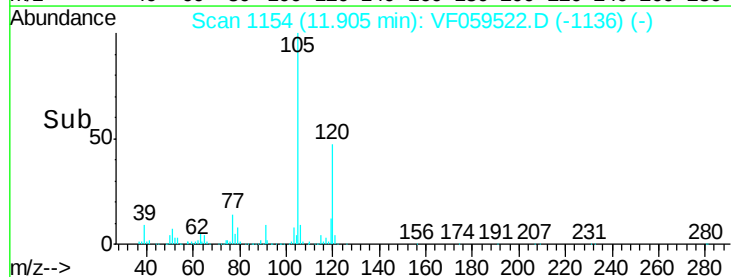
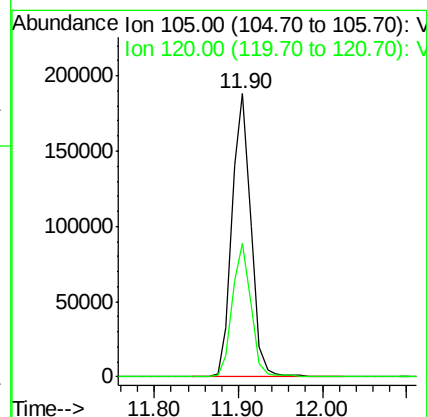
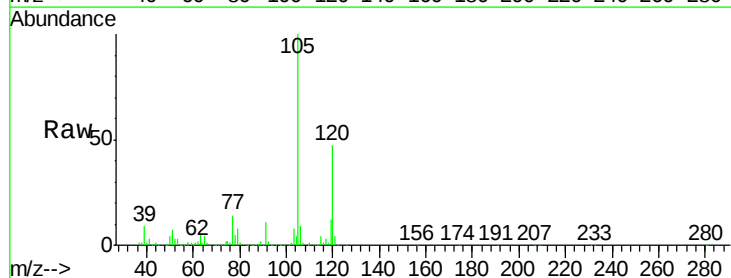
Acq: 18 Jul 2018 19:54

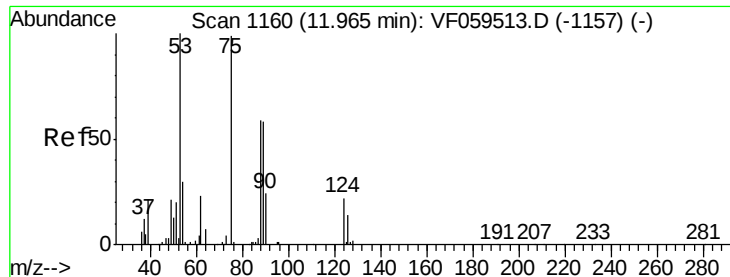
Tgt Ion:105 Resp: 292959

Ion Ratio Lower Upper

105 100

120 47.2 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 29.078 ug/l

RT: 11.94 min Scan# 1158

Delta R.T. -0.02 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Instrument :

MSVOA\_F

ClientSampleId :

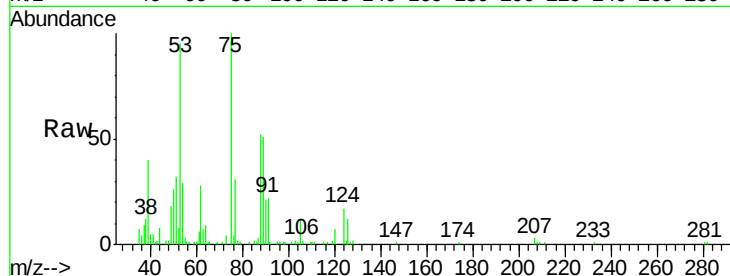
Tot Ion: 75 Resp: 35886

Ion Ratio Lower Upper

75 100

53 94.6 84.6 127.0

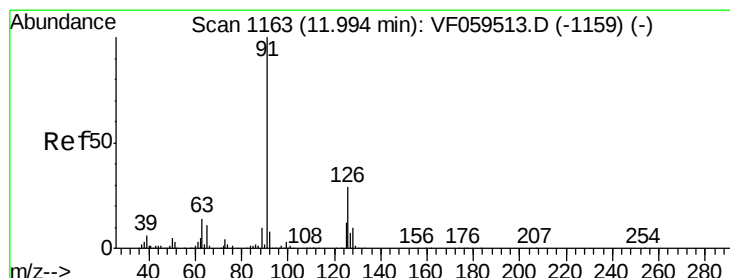
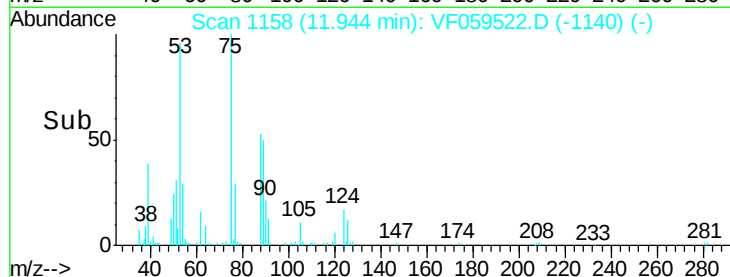
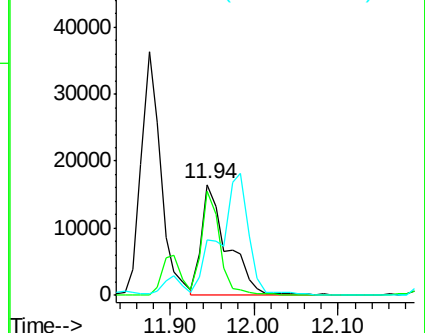
89 50.5 48.2 72.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 22.087 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. -0.01 min

Lab File: VF059522.D

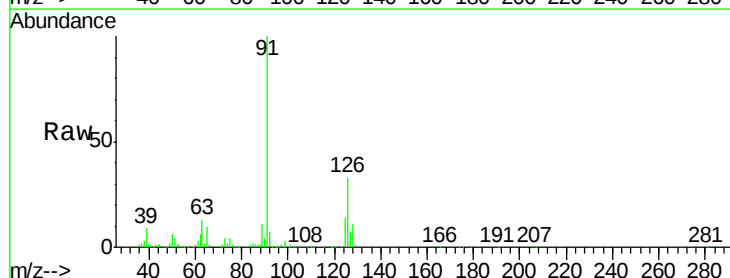
Acq: 18 Jul 2018 19:54

Tgt Ion: 91 Resp: 265242

Ion Ratio Lower Upper

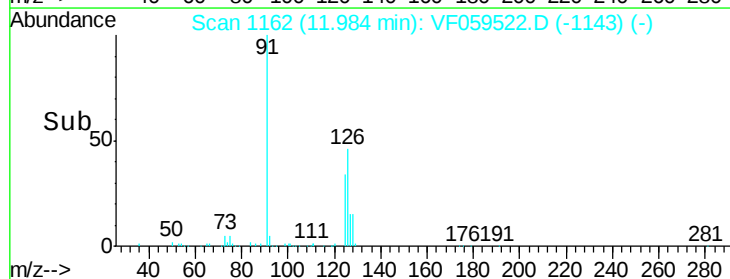
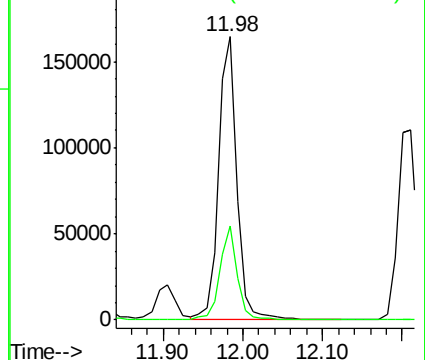
91 100

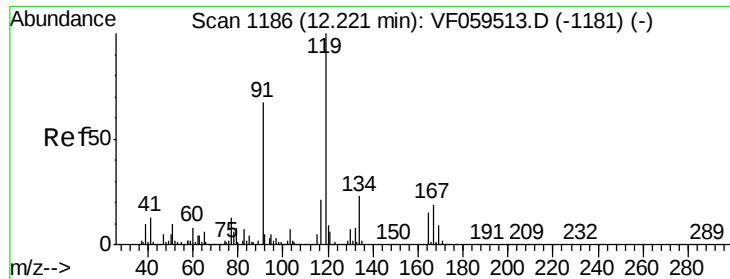
126 33.3 14.4 43.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 23.248 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Instrument :

MSVOA\_F

ClientSampleId :

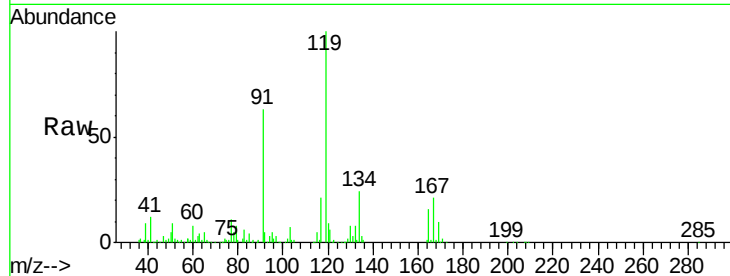
Tot Ion:119 Resp: 283597

Ion Ratio Lower Upper

119 100

91 63.3 33.5 100.5

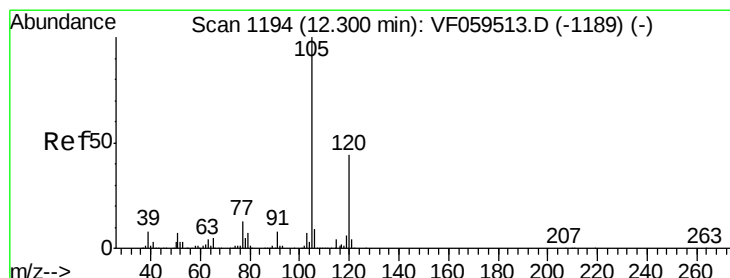
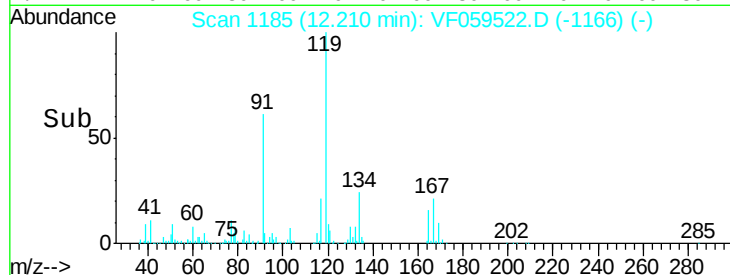
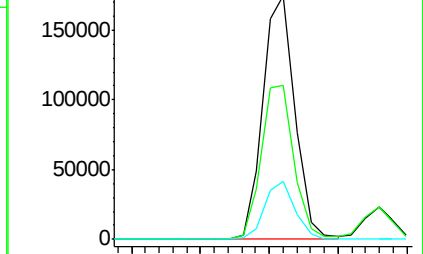
134 23.8 11.3 33.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.358 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. -0.02 min

Lab File: VF059522.D

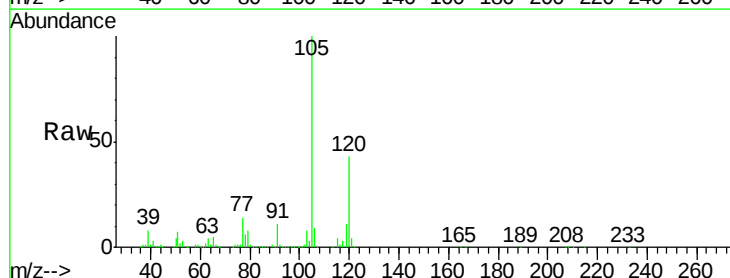
Acq: 18 Jul 2018 19:54

Tgt Ion:105 Resp: 292373

Ion Ratio Lower Upper

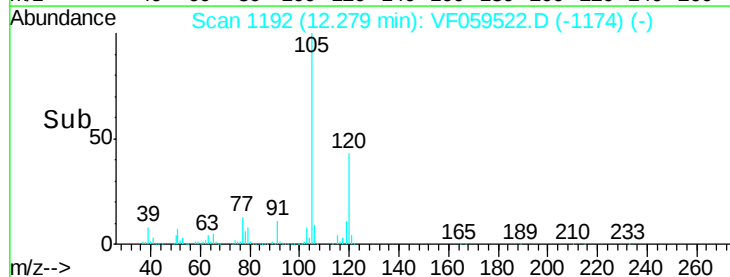
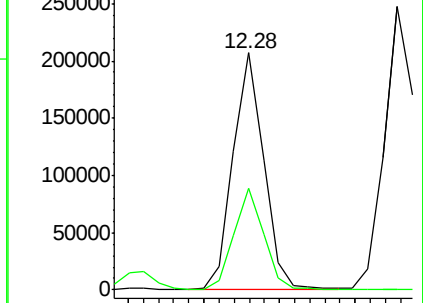
105 100

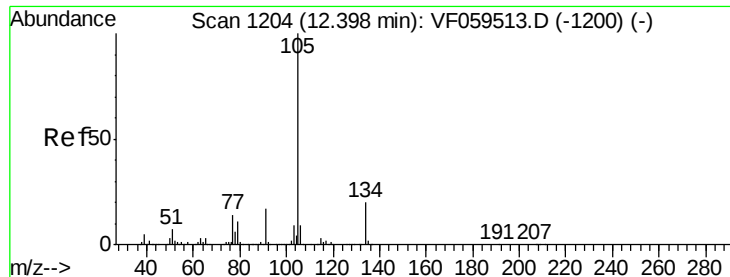
120 43.0 22.5 67.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 23.265 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.02 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Instrument :

MSVOA\_F

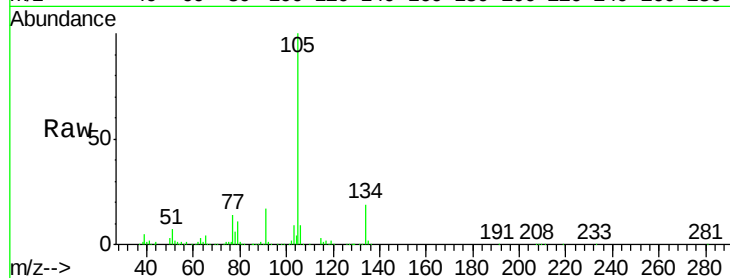
ClientSampleId :

Tot Ion:105 Resp: 360935

Ion Ratio Lower Upper

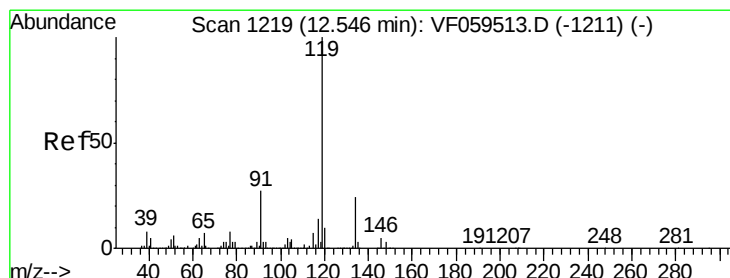
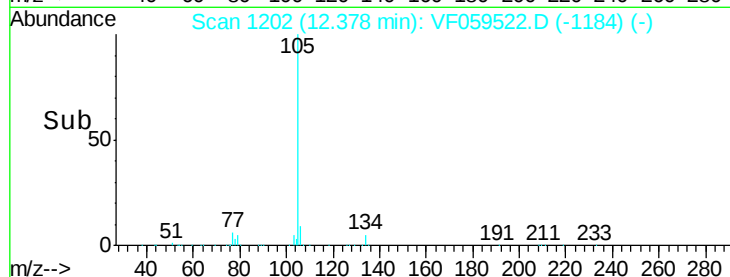
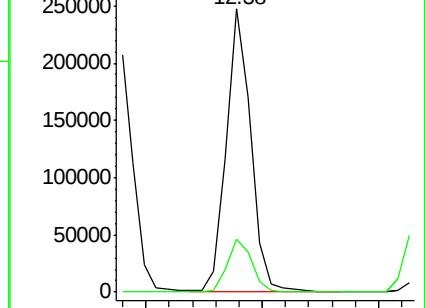
105 100

134 18.8 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 24.896 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.02 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

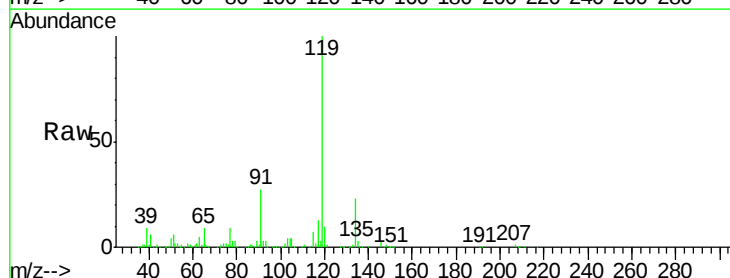
Tgt Ion:119 Resp: 336054

Ion Ratio Lower Upper

119 100

134 23.1 12.0 36.0

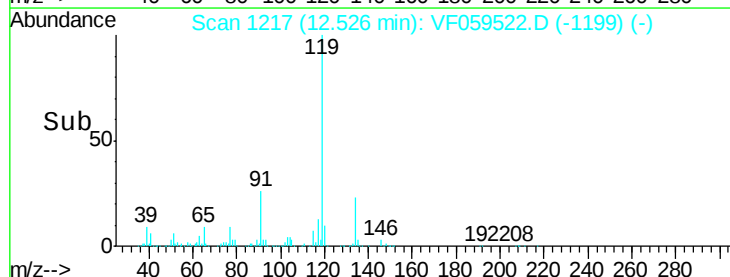
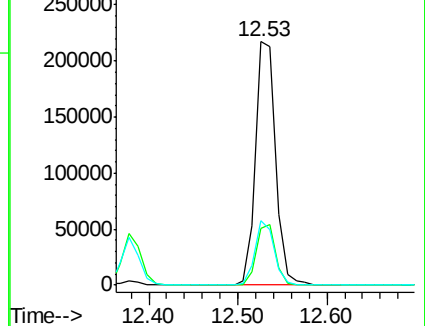
91 26.5 13.5 40.4

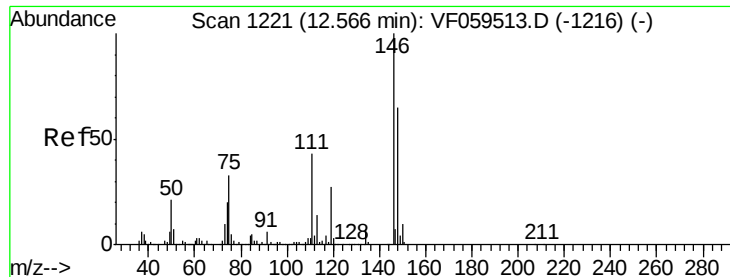


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

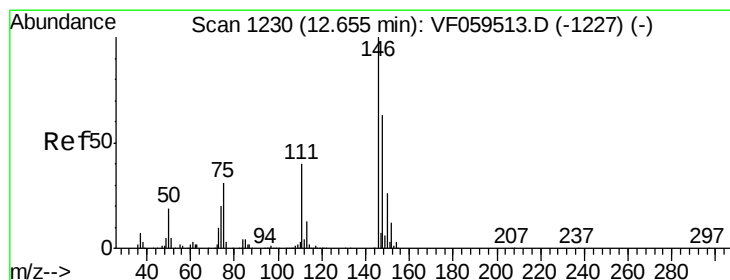
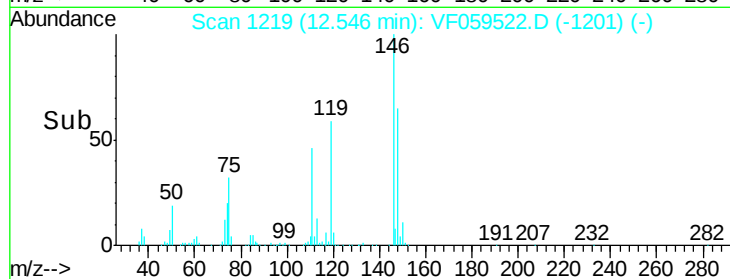
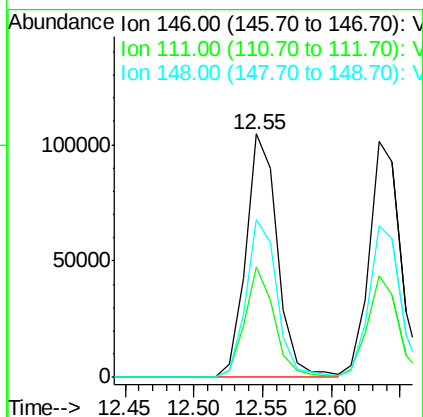
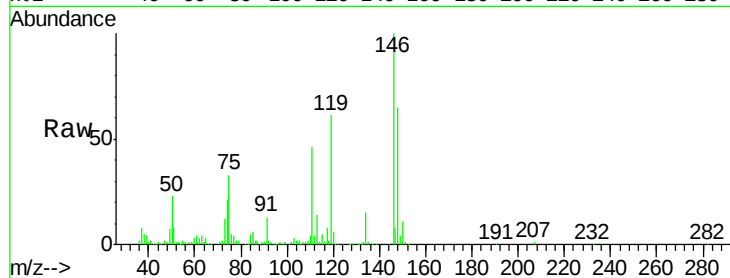




#87  
 1,3-Dichlorobenzene  
 Concen: 23.071 ug/l  
 RT: 12.55 min Scan# 1219  
 Delta R.T. -0.02 min  
 Lab File: VF059522.D  
 Acq: 18 Jul 2018 19:54

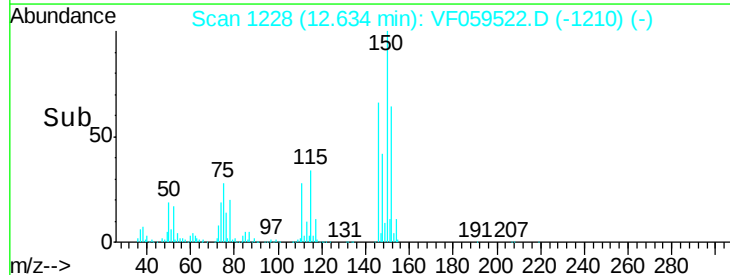
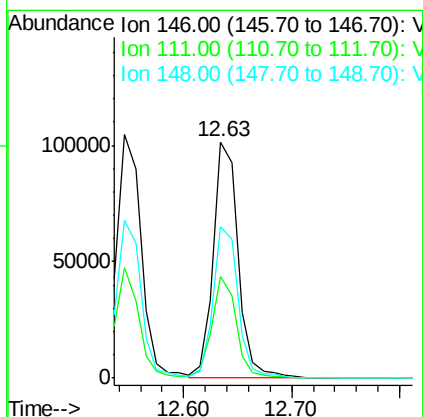
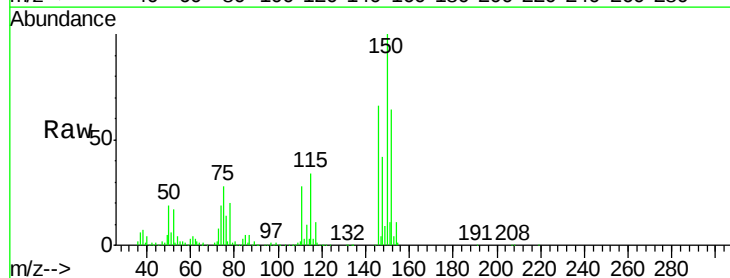
Instrument :  
 MSVOA\_F  
 ClientSampled :

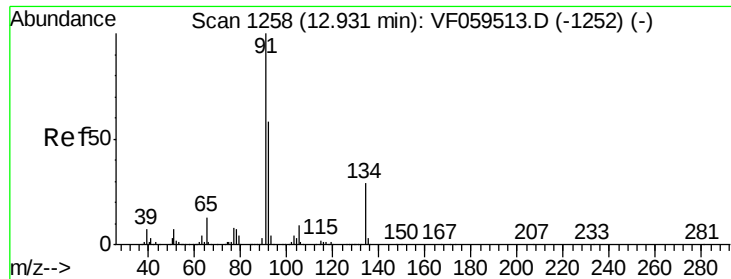
Tot Ion:146 Resp: 168282  
 Ion Ratio Lower Upper  
 146 100  
 111 45.5 21.4 64.3  
 148 65.1 32.7 98.1



#88  
 1,4-Dichlorobenzene  
 Concen: 22.528 ug/l  
 RT: 12.63 min Scan# 1228  
 Delta R.T. -0.02 min  
 Lab File: VF059522.D  
 Acq: 18 Jul 2018 19:54

Tgt Ion:146 Resp: 161915  
 Ion Ratio Lower Upper  
 146 100  
 111 42.8 20.0 59.9  
 148 63.9 31.5 94.5

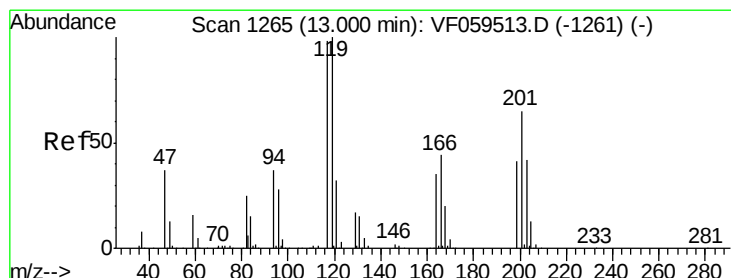
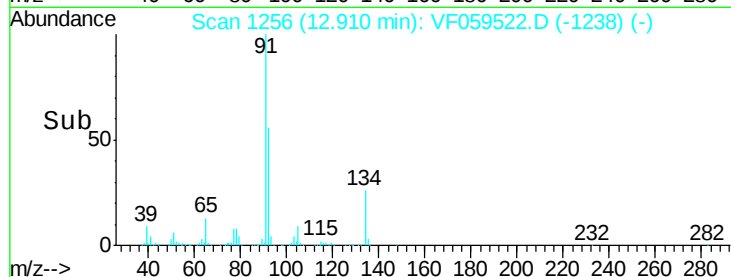
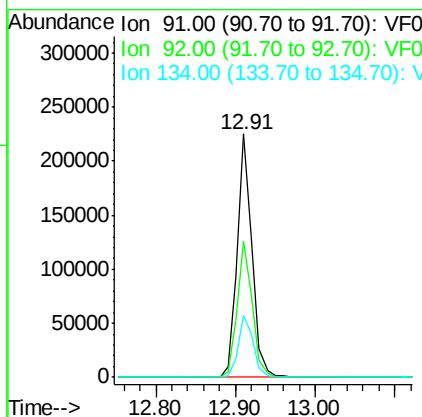
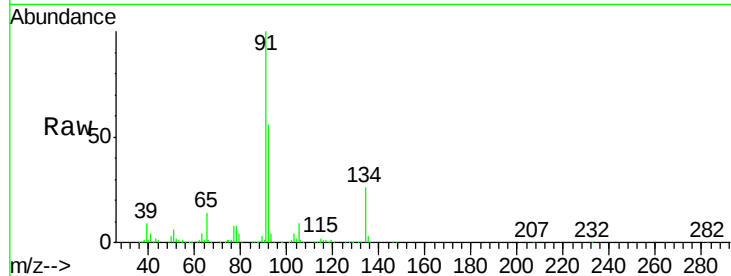




#89  
n-Butylbenzene  
Concen: 23.219 ug/l  
RT: 12.91 min Scan# 1256  
Delta R.T. -0.02 min  
Lab File: VF059522.D  
Acq: 18 Jul 2018 19:54

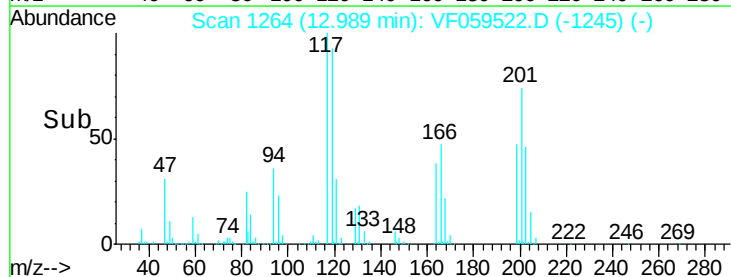
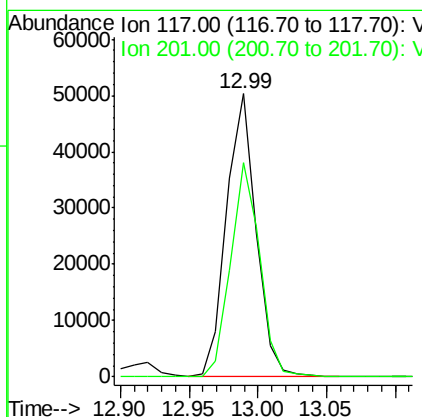
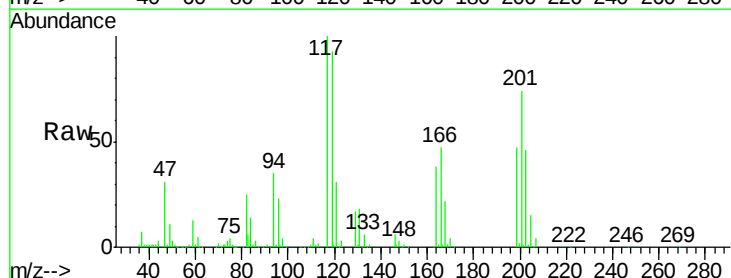
Instrument :  
MSVOA\_F  
ClientSampleId :

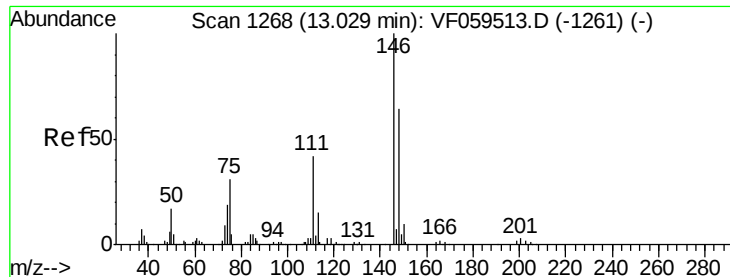
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 55.9  | 29.1  | 87.3  |
| 134     | 25.5  | 14.3  | 42.9  |



#90  
Hexachloroethane  
Concen: 24.590 ug/l  
RT: 12.99 min Scan# 1264  
Delta R.T. -0.01 min  
Lab File: VF059522.D  
Acq: 18 Jul 2018 19:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 75.6  | 32.6  | 98.0  |

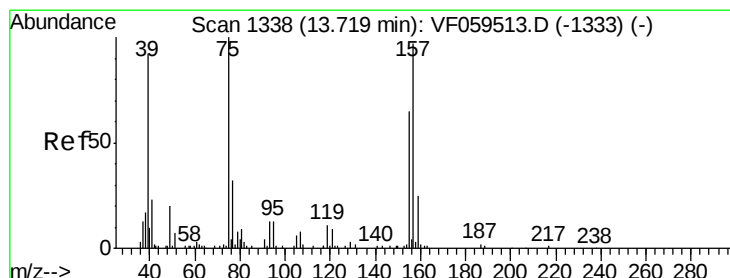
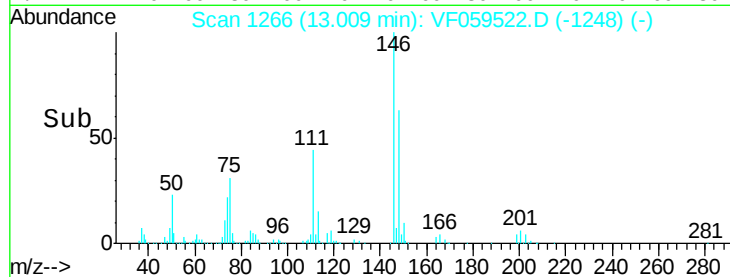
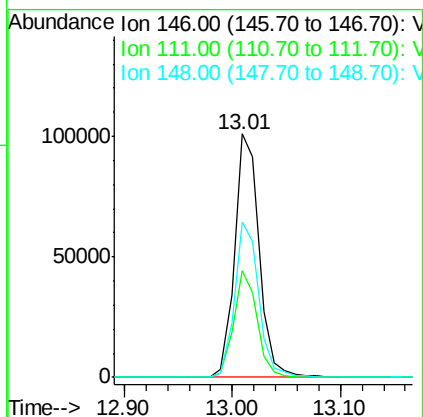
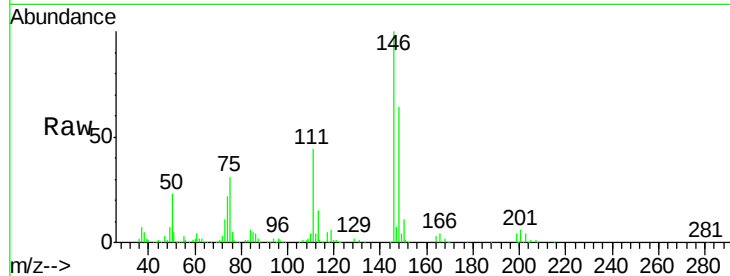




#91  
 1,2-Dichlorobenzene  
 Concen: 22.778 ug/l  
 RT: 13.01 min Scan# 1266  
 Delta R.T. -0.02 min  
 Lab File: VF059522.D  
 Acq: 18 Jul 2018 19:54

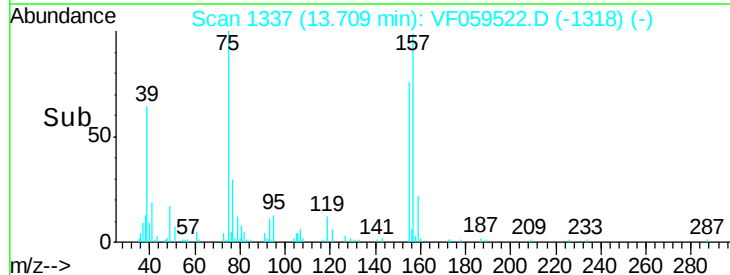
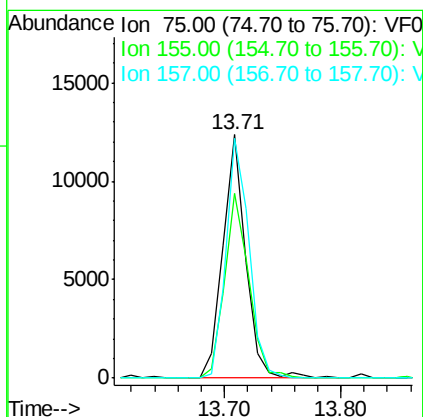
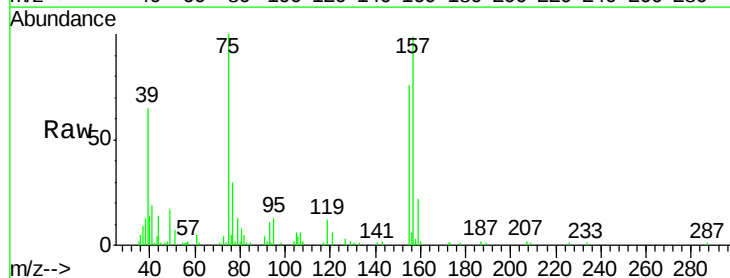
Instrument :  
 MSVOA\_F  
 ClientSampleId :

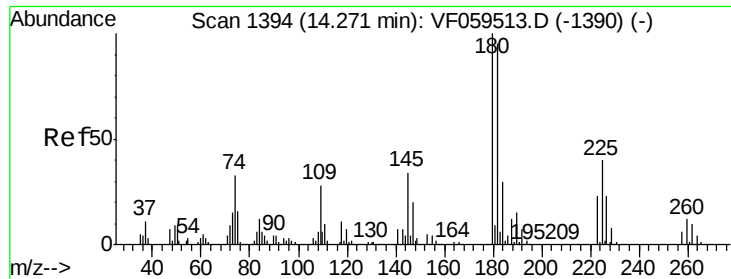
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 44.0  | 21.1  | 63.1  |
| 148     | 63.6  | 32.3  | 96.8  |



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 22.413 ug/l  
 RT: 13.71 min Scan# 1337  
 Delta R.T. -0.01 min  
 Lab File: VF059522.D  
 Acq: 18 Jul 2018 19:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 76.0  | 32.8  | 98.3  |
| 157     | 98.7  | 48.5  | 145.5 |

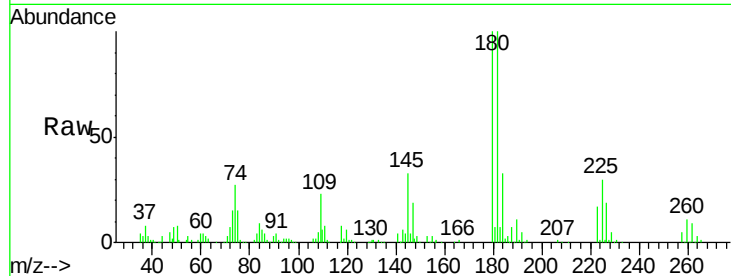




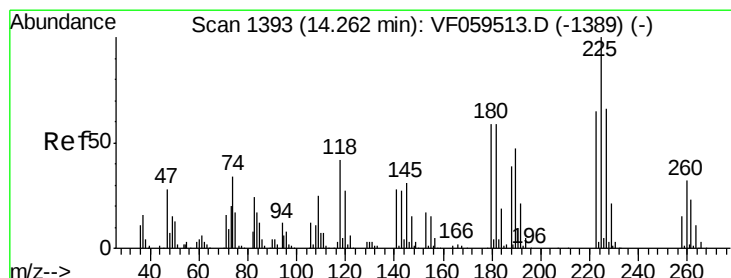
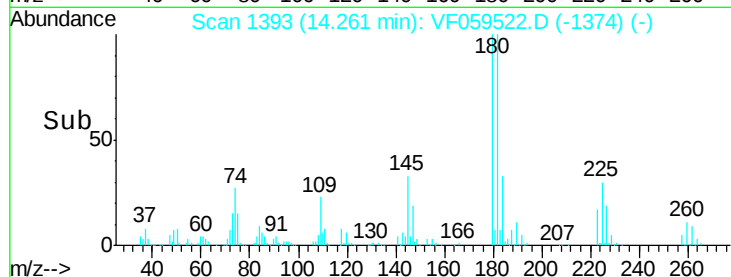
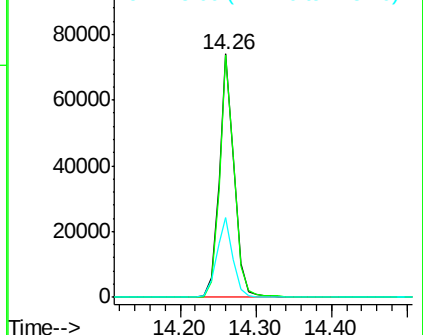
#93  
 1,2,4-Trichlorobenzene  
 Concen: 24.242 ug/l  
 RT: 14.26 min Scan# 1393  
 Delta R.T. -0.01 min  
 Lab File: VF059522.D  
 Acq: 18 Jul 2018 19:54

Instrument :  
 MSVOA\_F  
 ClientSampleId :

Tot Ion:180 Resp: 102757  
 Ion Ratio Lower Upper  
 180 100  
 182 99.7 47.5 142.5  
 145 32.7 17.3 51.7

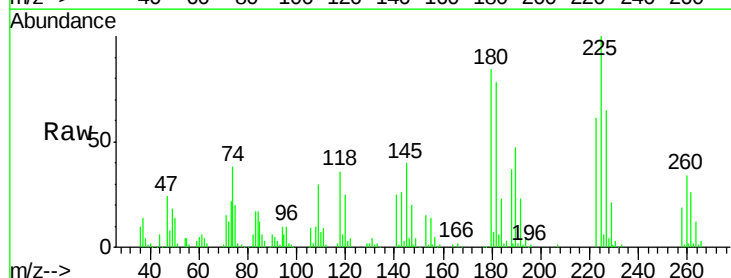


Abundance Ion 180.00 (179.70 to 180.70): V  
 Ion 182.00 (181.70 to 182.70): V  
 Ion 145.00 (144.70 to 145.70): V

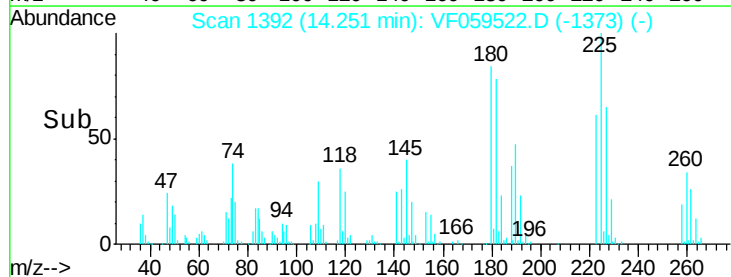
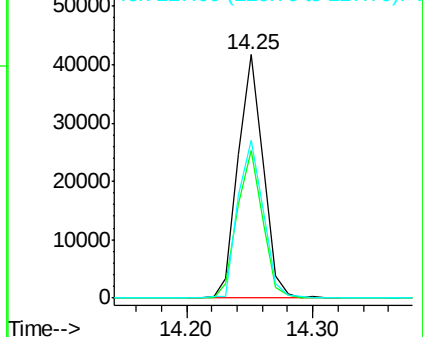


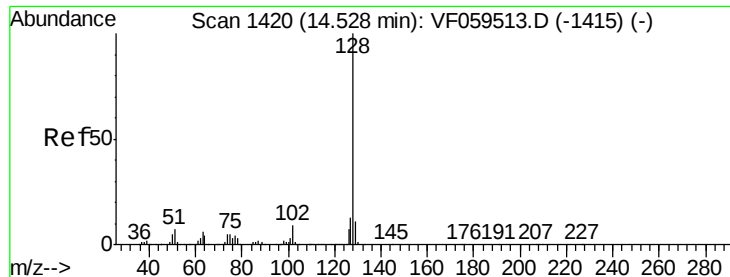
#94  
 Hexachlorobutadiene  
 Concen: 26.335 ug/l  
 RT: 14.25 min Scan# 1392  
 Delta R.T. -0.01 min  
 Lab File: VF059522.D  
 Acq: 18 Jul 2018 19:54

Tgt Ion:225 Resp: 57186  
 Ion Ratio Lower Upper  
 225 100  
 223 60.7 32.3 96.8  
 227 64.6 33.2 99.6



Abundance Ion 225.00 (224.70 to 225.70): V  
 Ion 223.00 (222.70 to 223.70): V  
 Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 22.564 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

Instrument :

MSVOA\_F

ClientSampleId :

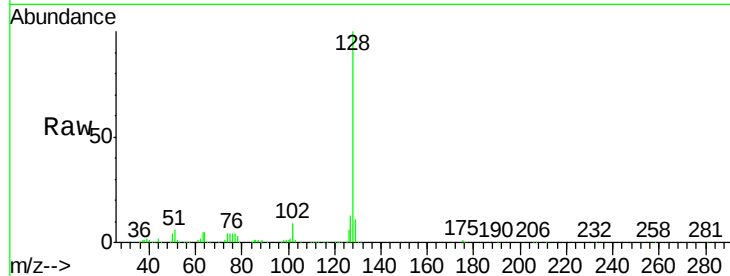
Tot Ion:128 Resp: 198693

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

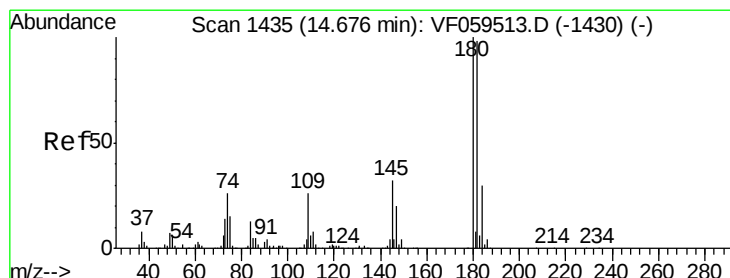
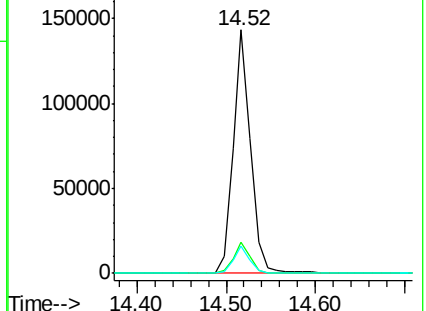
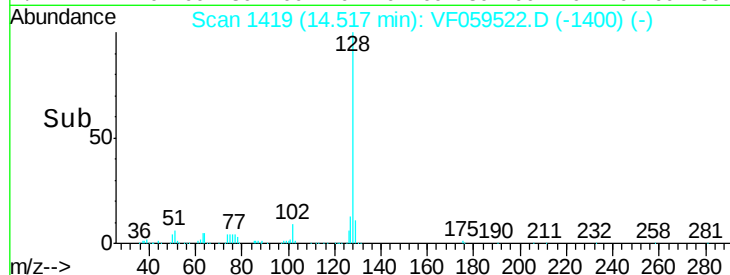
129 11.4 9.0 13.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 23.647 ug/l

RT: 14.66 min Scan# 1434

Delta R.T. -0.01 min

Lab File: VF059522.D

Acq: 18 Jul 2018 19:54

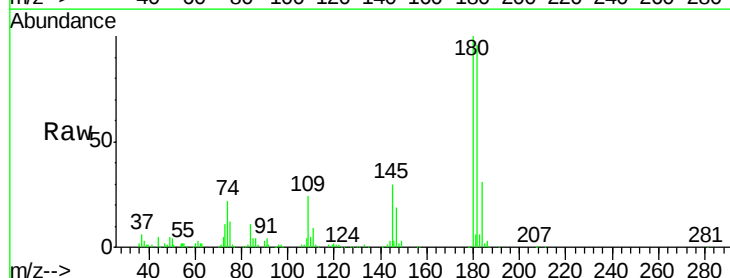
Tgt Ion:180 Resp: 90566

Ion Ratio Lower Upper

180 100

182 95.9 48.8 146.4

145 30.1 16.2 48.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

