

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073018\  
 Data File : VF059688.D  
 Acq On : 30 Jul 2018 15:02  
 Operator : VA/AP  
 Sample : VSTDIC020  
 Misc : 5.00µ/5mL/MSVOA F/SOIL  
 ALS Vial : 83 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :

Quant Time: Jul 31 03:50:39 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F073018S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 31 03:48:33 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.03  | 168  | 205373   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.76  | 114  | 288588   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.91  | 117  | 283822   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.62 | 152  | 184578   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 5.02  | 65   | 71263    | 22.09 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 44.18% |          |
| 35) Dibromofluoromethane    | 4.29  | 113  | 59588    | 21.57 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 43.14% |          |
| 50) Toluene-d8              | 7.71  | 98   | 141573   | 21.20 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 42.40% |          |
| 62) 4-Bromofluorobenzene    | 11.50 | 95   | 77084    | 21.33 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 42.66% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units  | Qvalue |
|-------------------------------|------|------|----------|---------|--------|--------|
| 3) Chloromethane              | 1.08 | 50   | 7559     | 6.305   | ug/l   | 93     |
| 4) Vinyl Chloride             | 1.15 | 62   | 10069    | 7.933   | ug/l # | 79     |
| 5) Bromomethane               | 1.34 | 94   | 14018    | 12.689  | ug/l   | 85     |
| 6) Chloroethane               | 1.42 | 64   | 10447    | 13.194  | ug/l   | 97     |
| 7) Trichlorofluoromethane     | 1.55 | 101  | 29928    | 7.842   | ug/l   | 90     |
| 8) Diethyl Ether              | 1.70 | 74   | 11351    | 20.995  | ug/l   | 77     |
| 9) 1,1,2-Trichlorotrifluoroet | 1.89 | 101  | 35477    | 17.485  | ug/l   | 95     |
| 10) Methyl Iodide             | 1.96 | 142  | 55184    | 18.582  | ug/l # | 97     |
| 11) Tert butyl alcohol        | 2.68 | 59   | 15530    | 112.150 | ug/l # | 92     |
| 12) 1,1-Dichloroethene        | 1.85 | 96   | 27125    | 18.069  | ug/l   | 91     |
| 13) Acrolein                  | 2.09 | 56   | 4424     | 72.183  | ug/l   | 93     |
| 14) Allyl chloride            | 2.19 | 41   | 46728    | 19.030  | ug/l   | 93     |
| 15) Acrylonitrile             | 3.07 | 53   | 26319    | 124.688 | ug/l   | 92     |
| 16) Acetone                   | 2.33 | 43   | 74296    | 126.409 | ug/l   | 100    |
| 17) Carbon Disulfide          | 1.88 | 76   | 37602    | 10.304  | ug/l # | 89     |
| 18) Methyl Acetate            | 2.44 | 43   | 17084    | 17.364  | ug/l   | 99     |
| 19) Methyl tert-butyl Ether   | 2.53 | 73   | 99108    | 23.625  | ug/l   | 98     |
| 20) Methylene Chloride        | 2.27 | 84   | 20718    | 9.572   | ug/l   | 94     |
| 21) trans-1,2-Dichloroethene  | 2.40 | 96   | 31680    | 20.576  | ug/l   | 88     |
| 22) Diisopropyl ether         | 2.93 | 45   | 109397   | 22.288  | ug/l   | 93     |
| 23) Vinyl Acetate             | 3.33 | 43   | 301235   | 123.797 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 2.99 | 63   | 73948    | 21.175  | ug/l # | 94     |
| 25) 2-Butanone                | 4.50 | 43   | 74157    | 114.515 | ug/l # | 79     |
| 26) 2,2-Dichloropropane       | 3.75 | 77   | 56546    | 19.905  | ug/l   | 97     |
| 27) cis-1,2-Dichloroethene    | 3.63 | 96   | 39506    | 21.875  | ug/l   | 95     |
| 28) Bromochloromethane        | 3.87 | 49   | 31062    | 24.143  | ug/l   | 98     |
| 29) Tetrahydrofuran           | 4.26 | 42   | 30154    | 116.013 | ug/l   | 99     |
| 30) Chloroform                | 4.03 | 83   | 109379   | 22.172  | ug/l   | 93     |
| 31) Cyclohexane               | 3.85 | 56   | 40265    | 20.066  | ug/l   | 90     |
| 32) 1,1,1-Trichloroethane     | 4.27 | 97   | 85699    | 21.177  | ug/l   | 98     |
| 36) 1,1-Dichloropropene       | 4.45 | 75   | 67680    | 21.622  | ug/l   | 93     |
| 37) Ethyl Acetate             | 4.29 | 43   | 31696    | 23.213  | ug/l # | 71     |
| 38) Carbon Tetrachloride      | 4.16 | 117  | 104153   | 22.679  | ug/l   | 98     |
| 39) Methylcyclohexane         | 5.62 | 83   | 52086    | 20.446  | ug/l   | 95     |

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 ALS Vial : 83 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :

Quant Time: Jul 31 03:50:39 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F073018S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 31 03:48:33 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 40) Benzene                    | 4.81  | 78   | 115354   | 20.748  | ug/l   | 99       |
| 41) Methacrylonitrile          | 4.92  | 41   | 16090    | 23.929  | ug/l # | 85       |
| 42) 1,2-Dichloroethane         | 5.11  | 62   | 85633    | 23.671  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 7.10  | 43   | 36519    | 25.830  | ug/l # | 92       |
| 44) Trichloroethene            | 5.67  | 130  | 45416    | 21.092  | ug/l   | 86       |
| 45) 1,2-Dichloropropane        | 6.40  | 63   | 32285    | 21.851  | ug/l   | 96       |
| 46) Dibromomethane             | 6.25  | 93   | 32437    | 25.282  | ug/l # | 75       |
| 47) Bromodichloromethane       | 6.54  | 83   | 82217    | 21.871  | ug/l   | 98       |
| 48) Methyl methacrylate        | 6.87  | 41   | 23999    | 21.628  | ug/l # | 91       |
| 49) 1,4-Dioxane                | 6.87  | 88   | 5038     | 568.935 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 8.41  | 43   | 144748   | 127.222 | ug/l   | 99       |
| 52) Toluene                    | 7.78  | 92   | 88611    | 21.457  | ug/l   | 93       |
| 53) t-1,3-Dichloropropene      | 8.43  | 75   | 71928    | 23.922  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene    | 7.45  | 75   | 74411    | 23.851  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 8.63  | 97   | 33244    | 24.237  | ug/l   | 93       |
| 56) Ethyl methacrylate         | 8.76  | 69   | 34001    | 23.383  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 9.00  | 76   | 58452    | 24.644  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 7.78  | 63   | 20656    | 117.654 | ug/l   | 100      |
| 59) 2-Hexanone                 | 9.63  | 43   | 107441   | 127.305 | ug/l   | 94       |
| 60) Dibromochloromethane       | 8.86  | 129  | 58706    | 23.725  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 9.14  | 107  | 39957    | 24.090  | ug/l   | 94       |
| 64) Tetrachloroethene          | 8.30  | 164  | 45629    | 20.176  | ug/l   | 94       |
| 65) Chlorobenzene              | 9.93  | 112  | 119121   | 21.602  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 10.06 | 131  | 56468    | 22.249  | ug/l   | 97       |
| 67) Ethyl Benzene              | 10.03 | 91   | 214252   | 21.426  | ug/l   | 99       |
| 68) m/p-Xylenes                | 10.27 | 106  | 151267   | 43.711  | ug/l   | 95       |
| 69) o-Xylene                   | 10.82 | 106  | 81725    | 21.868  | ug/l   | 96       |
| 70) Stvrene                    | 10.90 | 104  | 119844   | 22.050  | ug/l   | 98       |
| 71) Bromoform                  | 10.89 | 173  | 35660    | 22.785  | ug/l # | 97       |
| 73) Isopropylbenzene           | 11.23 | 105  | 267865   | 21.261  | ug/l   | 97       |
| 74) N-amyl acetate             | 11.46 | 43   | 61743    | 23.912  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.79 | 83   | 48030    | 23.215  | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane     | 11.89 | 75   | 41270    | 24.289  | ug/l   | 99       |
| 77) Bromobenzene               | 11.59 | 156  | 67278    | 22.000  | ug/l   | 93       |
| 78) n-propylbenzene            | 11.69 | 91   | 313418   | 21.593  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 11.81 | 91   | 186092   | 21.067  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 11.91 | 105  | 241520   | 21.840  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.95 | 75   | 23137    | 26.225  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 11.98 | 91   | 199869   | 21.473  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.21 | 119  | 245402   | 21.959  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 12.28 | 105  | 237786   | 20.928  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 12.39 | 105  | 311875   | 21.211  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 12.54 | 119  | 275482   | 21.789  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.56 | 146  | 129448   | 21.707  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene        | 12.64 | 146  | 126580   | 22.281  | ug/l   | 96       |
| 89) n-Butylbenzene             | 12.91 | 91   | 265510   | 21.715  | ug/l   | 91       |
| 90) Hexachloroethane           | 12.99 | 117  | 67874    | 21.089  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 13.02 | 146  | 125334   | 22.607  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.71 | 75   | 10973    | 21.807  | ug/l   | 91       |
| 93) 1,2,4-Trichlorobenzene     | 14.26 | 180  | 97865    | 22.026  | ug/l   | 97       |

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Misc : 5.00µ/5mL/MSVOA F/SOIL  
ALS Vial : 83 Sample Multiplier: 1

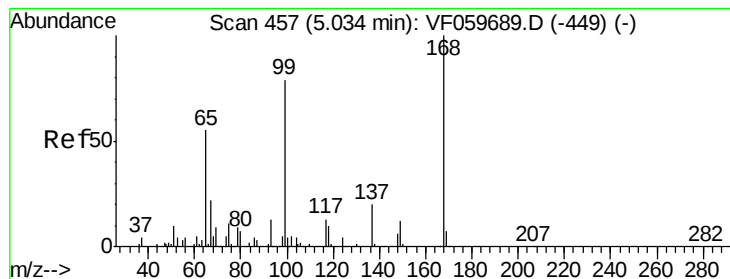
Instrument :  
MSVOA\_F  
ClientSampleId :

Quant Time: Jul 31 03:50:39 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F073018S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 31 03:48:33 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 94) Hexachlorobutadiene    | 14.25 | 225  | 66771    | 20.427 | µg/l  | 96       |
| 95) Naphthalene            | 14.52 | 128  | 163558   | 23.102 | µg/l  | 98       |
| 96) 1,2,3-Trichlorobenzene | 14.67 | 180  | 91242    | 22.591 | µg/l  | 95       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

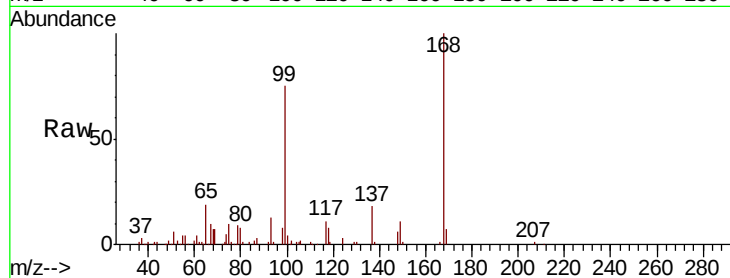
Instrument :  
MSVOA\_F  
ClientSampled :

Tot Ion:168 Resp: 205373

Ion Ratio Lower Upper

168 100

99 74.9 63.3 94.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

60000

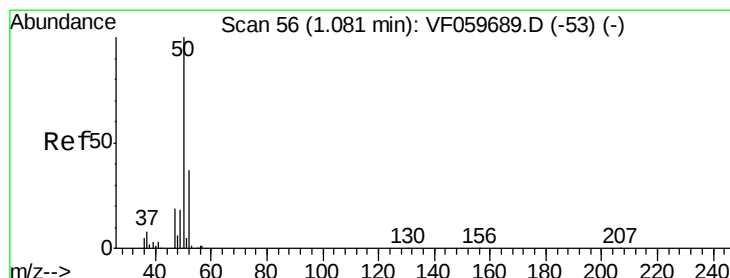
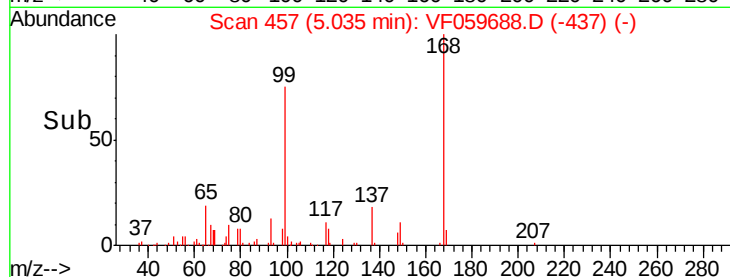
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#3

Chloromethane

Concen: 6.305 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059688.D

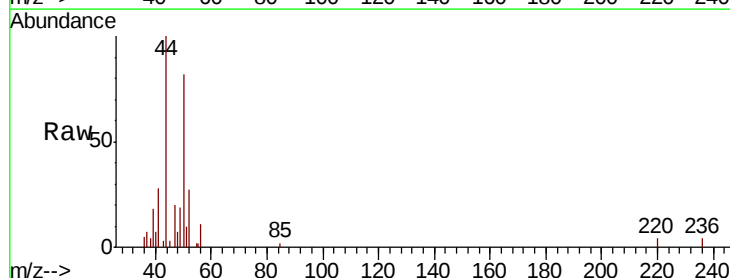
Acq: 30 Jul 2018 15:02

Tgt Ion: 50 Resp: 7559

Ion Ratio Lower Upper

50 100

52 32.4 29.1 43.7



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

5000

4000

3000

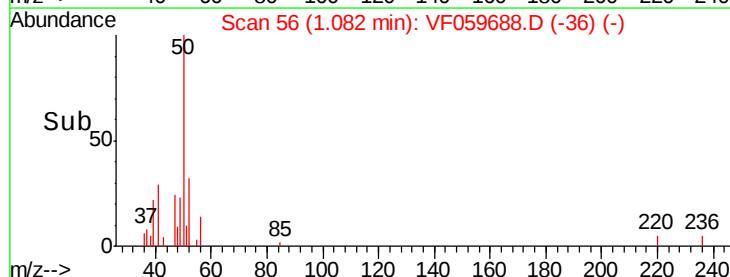
2000

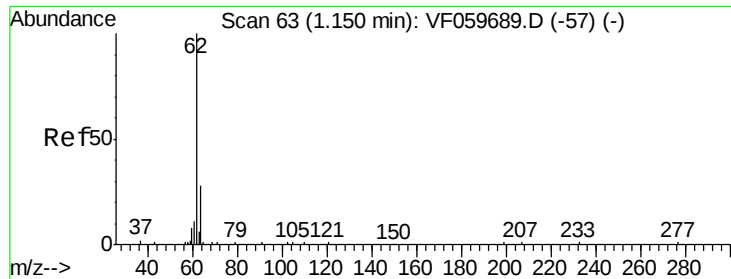
1000

0

Time-->

1.00 1.10 1.20





#4

Vinyl Chloride

Concen: 7.933 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :

MSVOA\_F

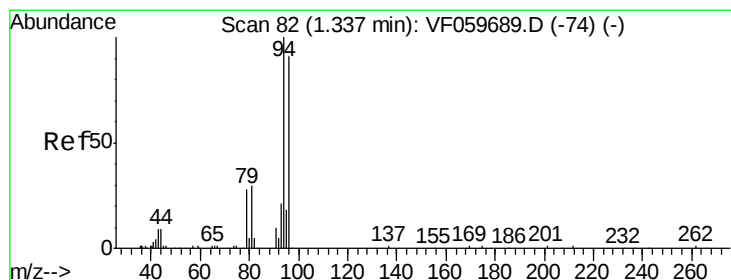
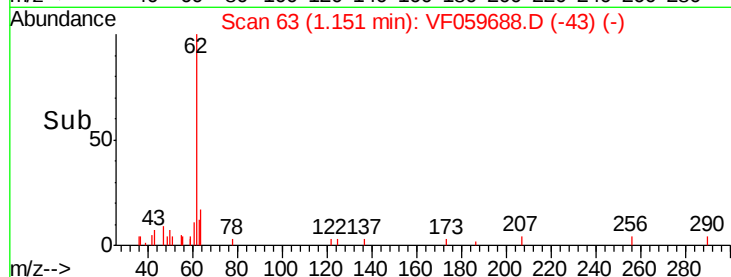
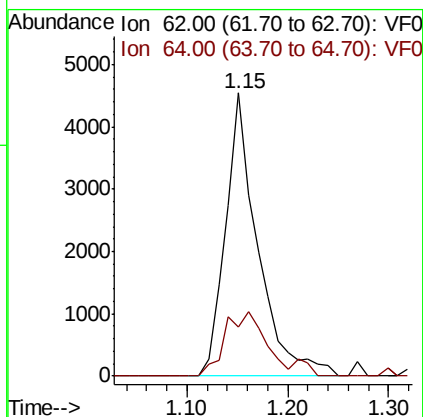
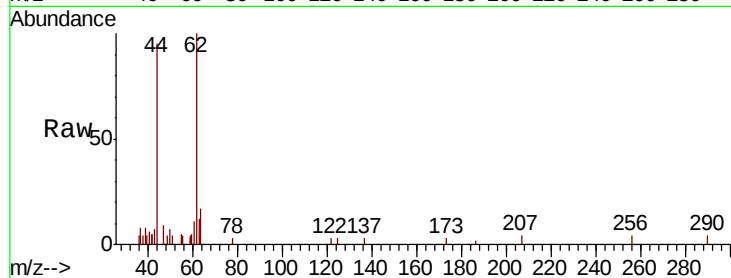
ClientSampled :

Tot Ion: 62 Resp: 10069

Ion Ratio Lower Upper

62 100

64 17.3 22.6 33.8#



#5

Bromomethane

Concen: 12.689 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059688.D

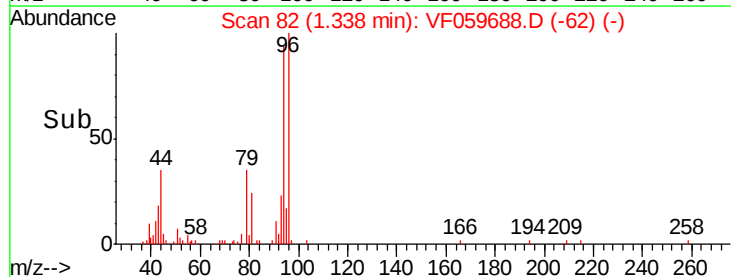
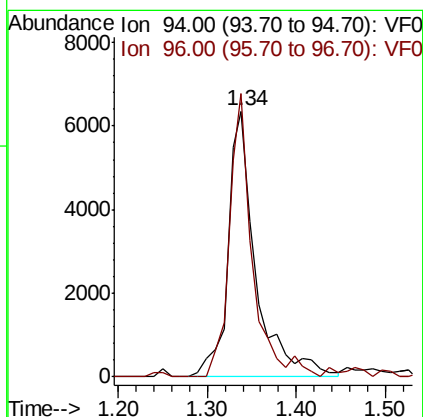
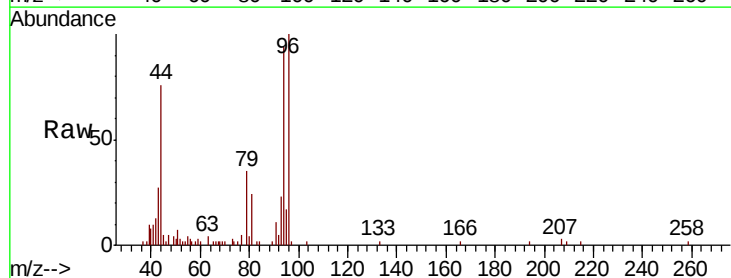
Acq: 30 Jul 2018 15:02

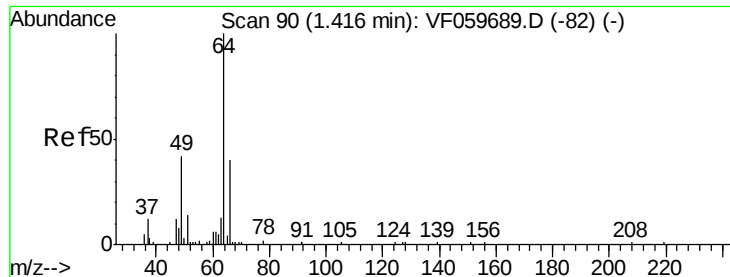
Tgt Ion: 94 Resp: 14018

Ion Ratio Lower Upper

94 100

96 106.4 73.6 110.4





#6

Chloroethane

Concen: 13.194 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :

MSVOA\_F

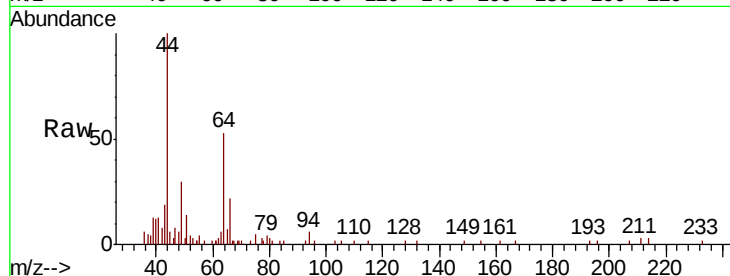
ClientSampleId :

Tot Ion: 64 Resp: 10447

Ion Ratio Lower Upper

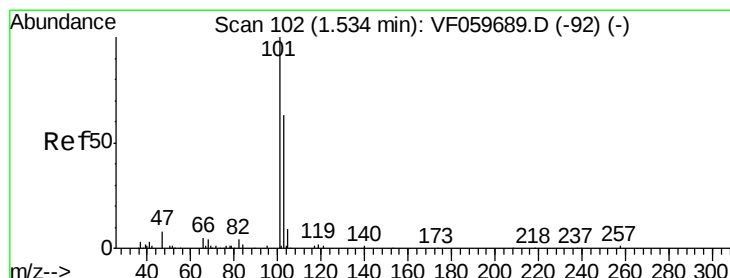
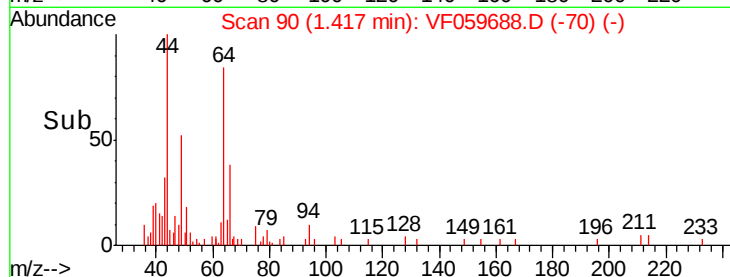
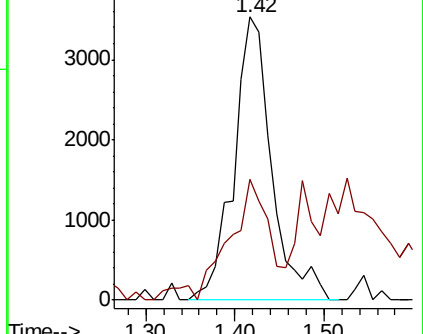
64 100

66 42.5 32.6 49.0



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



#7

Trichlorofluoromethane

Concen: 7.842 ug/l

RT: 1.55 min Scan# 103

Delta R.T. 0.01 min

Lab File: VF059688.D

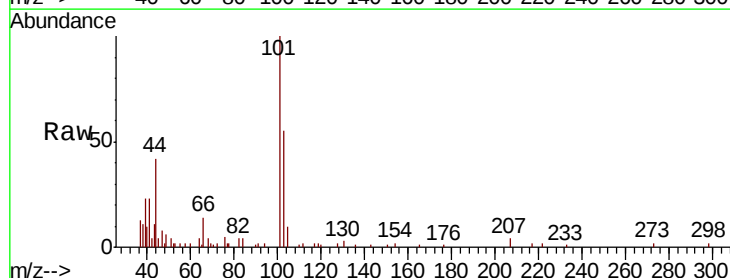
Acq: 30 Jul 2018 15:02

Tgt Ion: 101 Resp: 29928

Ion Ratio Lower Upper

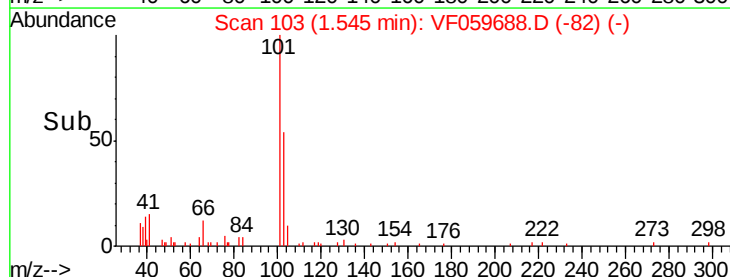
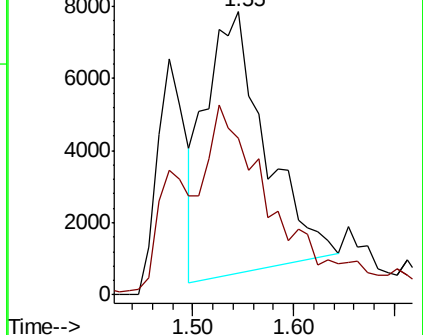
101 100

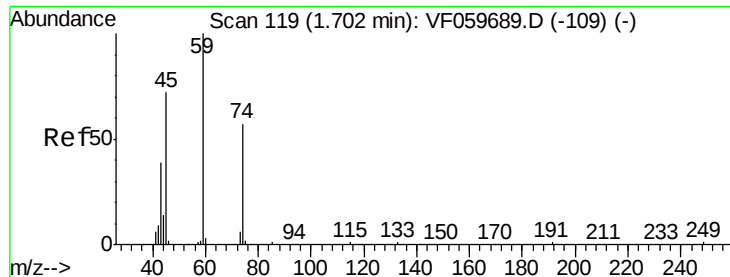
103 55.3 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#8

Diethyl Ether

Concen: 20.995 ug/l

RT: 1.70 min Scan# 119

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

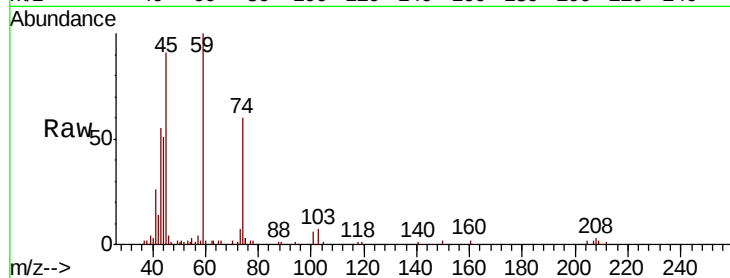
Instrument :  
MSVOA\_F  
ClientSampleId :

Tot Ion: 74 Resp: 11351

Ion Ratio Lower Upper

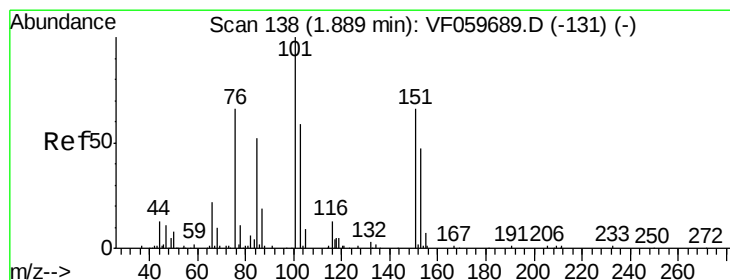
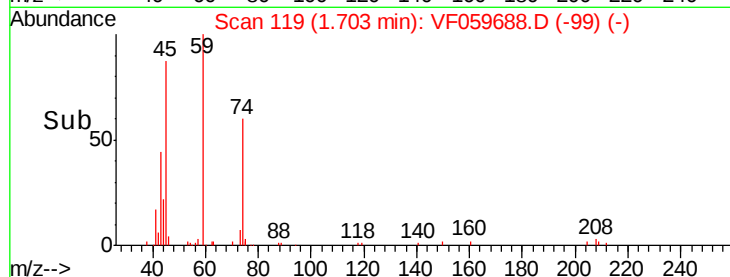
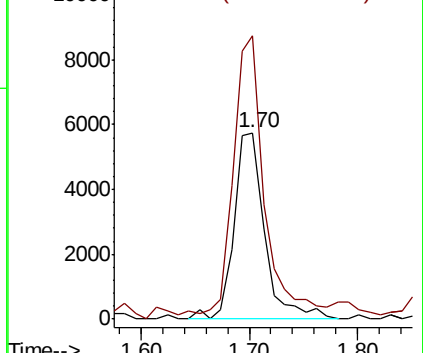
74 100

45 151.7 62.7 188.2



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.485 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

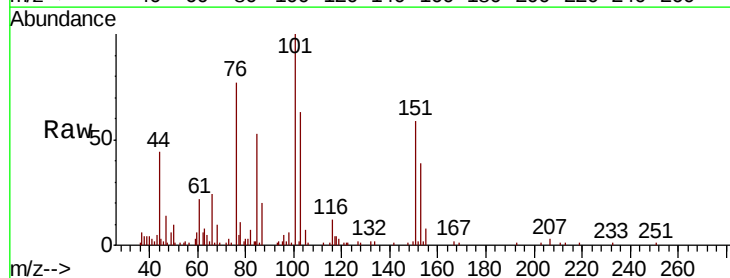
Tgt Ion: 101 Resp: 35477

Ion Ratio Lower Upper

101 100

85 53.2 40.7 61.1

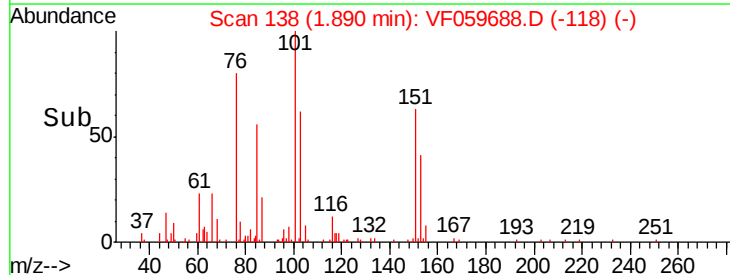
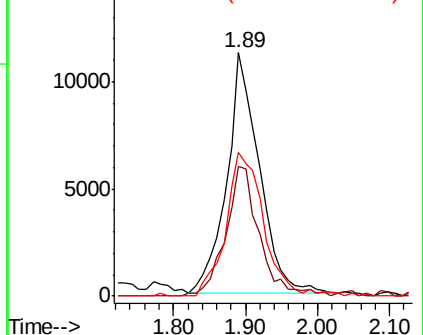
151 59.3 51.4 77.2

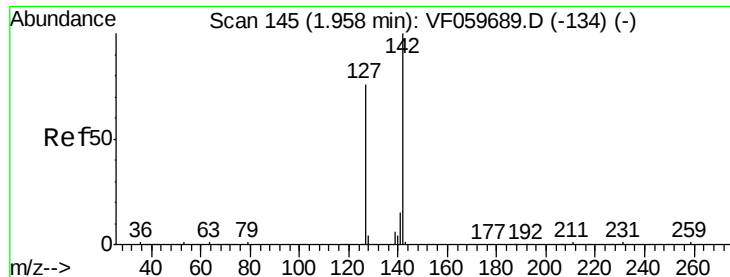


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V

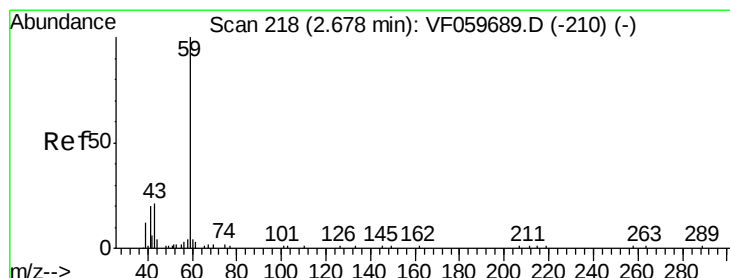
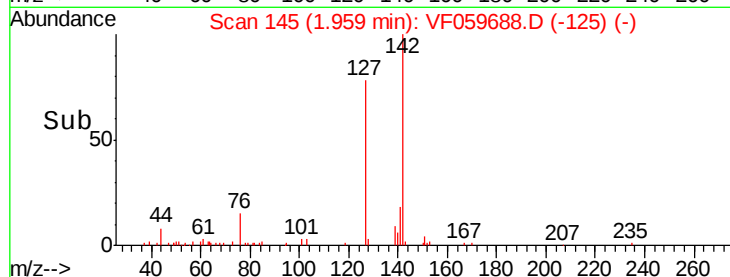
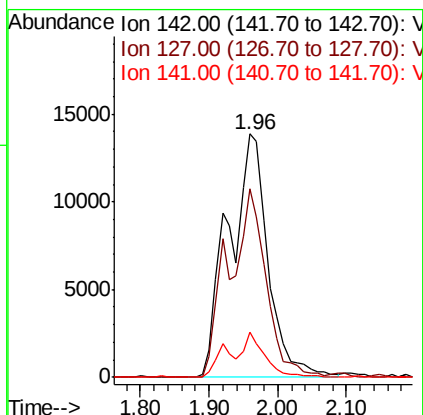
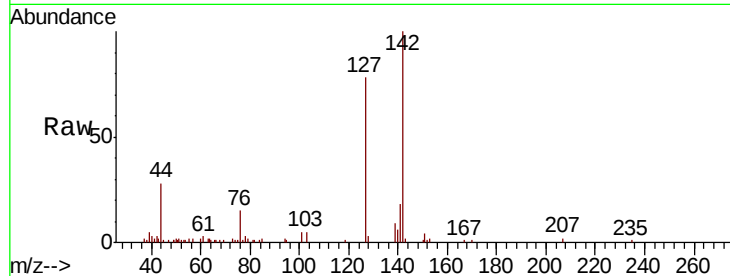




#10  
Methvl Iodide  
Concen: 18.582 ug/l  
RT: 1.96 min Scan# 145  
Delta R.T. 0.00 min  
Lab File: VF059688.D  
Acq: 30 Jul 2018 15:02

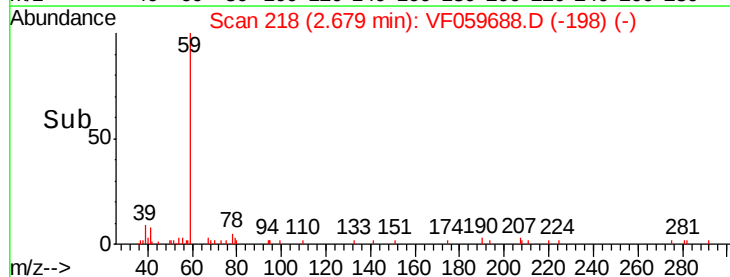
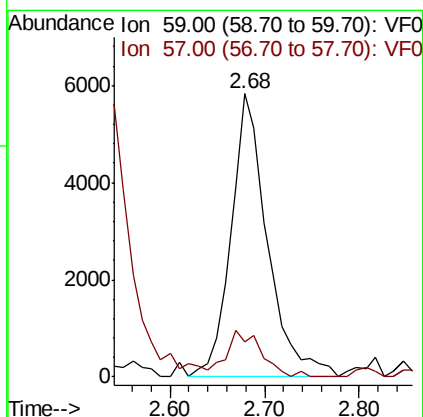
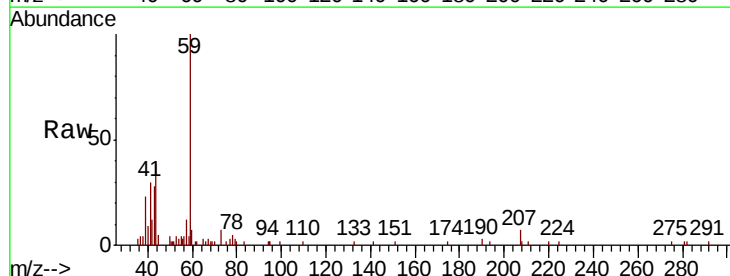
Instrument :  
MSVOA\_F  
ClientSampleId :

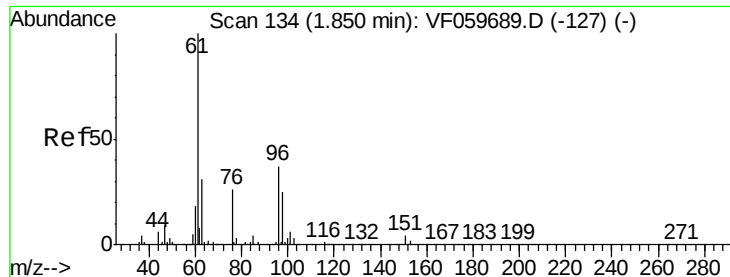
Tot Ion:142 Resp: 55184  
Ion Ratio Lower Upper  
142 100  
127 77.6 60.6 91.0  
141 18.5 12.0 18.0#



#11  
Tert butyl alcohol  
Concen: 112.150 ug/l  
RT: 2.68 min Scan# 218  
Delta R.T. 0.00 min  
Lab File: VF059688.D  
Acq: 30 Jul 2018 15:02

Tgt Ion: 59 Resp: 15530  
Ion Ratio Lower Upper  
59 100  
57 12.3 7.6 11.4#





#12

1,1-Dichloroethene

Concen: 18.069 ug/l

RT: 1.85 min Scan# 134

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :  
MSVOA\_F  
ClientSampleId :

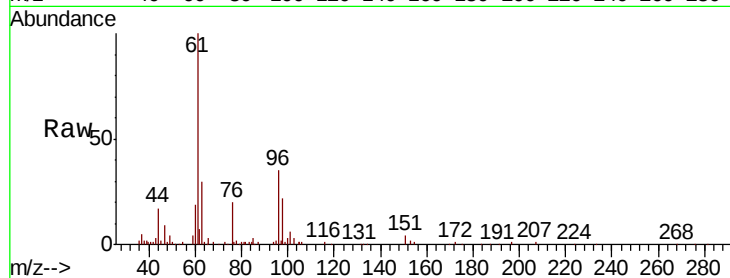
Tot Ion: 96 Resp: 27125

Ion Ratio Lower Upper

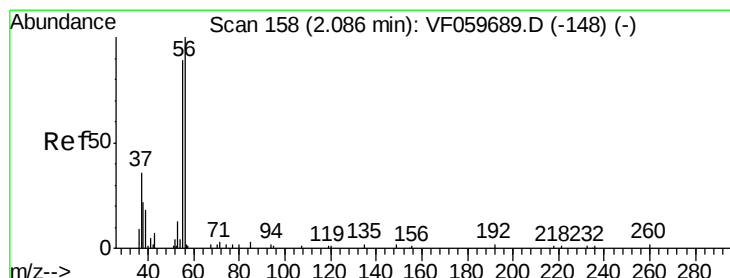
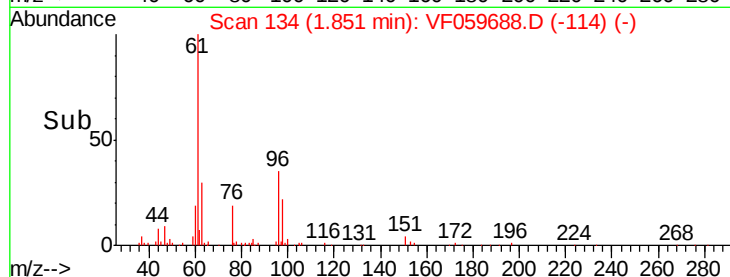
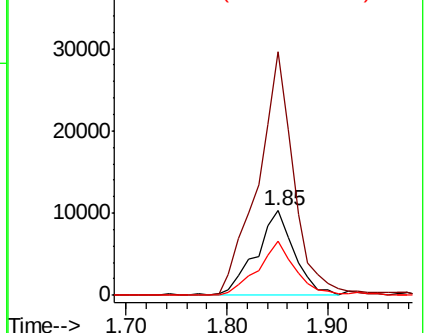
96 100

61 288.6 215.1 322.7

98 64.7 54.3 81.5



Abundance Ion 96.00 (95.70 to 96.70): VF0  
Ion 61.00 (60.70 to 61.70): VF0  
Ion 98.00 (97.70 to 98.70): VF0



#13

Acrolein

Concen: 72.183 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059688.D

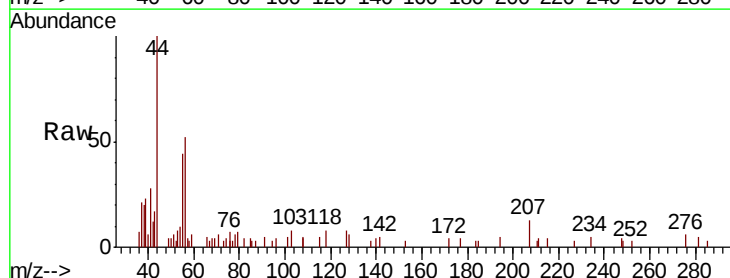
Acq: 30 Jul 2018 15:02

Tgt Ion: 56 Resp: 4424

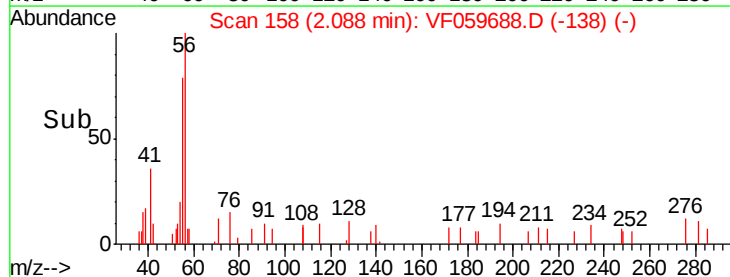
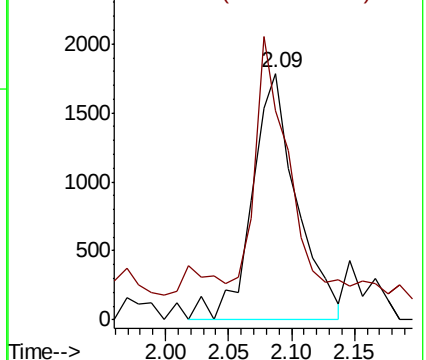
Ion Ratio Lower Upper

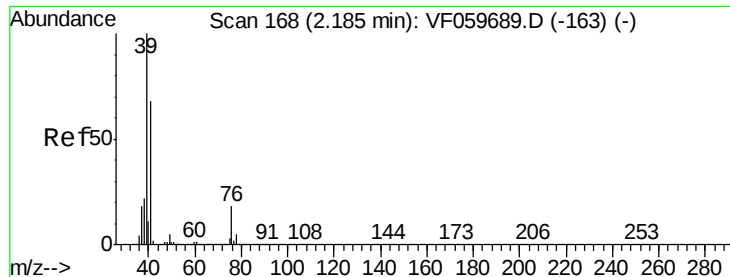
56 100

55 84.9 73.2 109.8



Abundance Ion 56.00 (55.70 to 56.70): VF0  
Ion 55.00 (54.70 to 55.70): VF0





#14

Allvl chloride

Concen: 19.030 ug/l

RT: 2.19 min Scan# 168

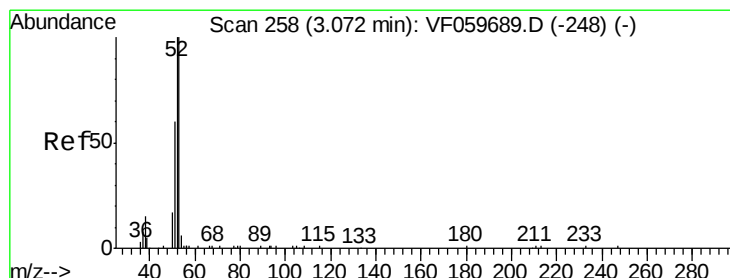
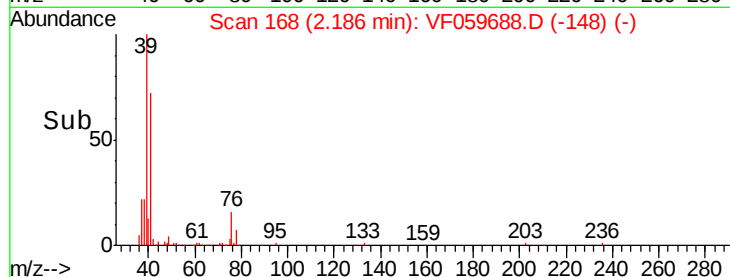
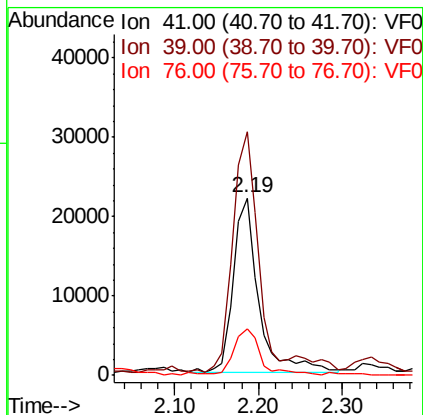
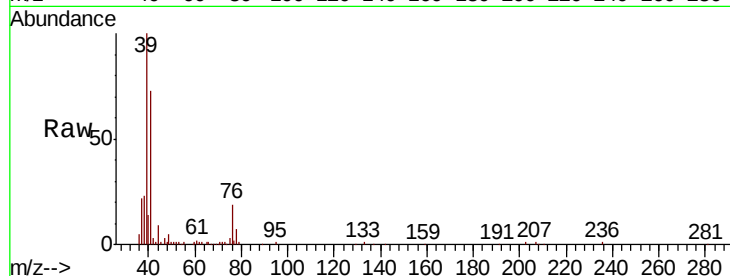
Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :  
MSVOA\_F  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 46728 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 137.5 | 118.1 | 177.1 |
| 76       | 26.3  | 22.0  | 33.0  |



#15

Acrylonitrile

Concen: 124.688 ug/l

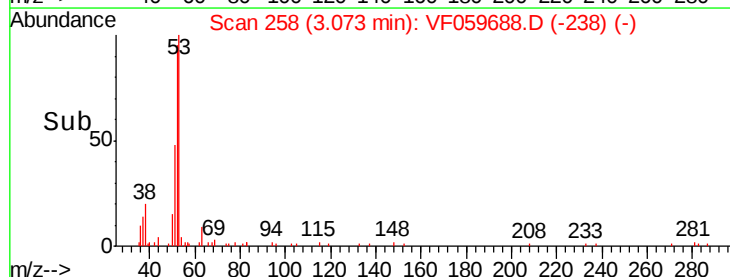
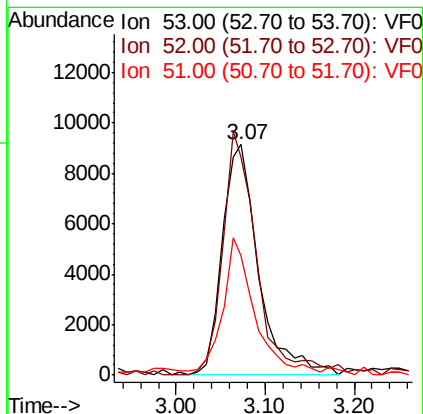
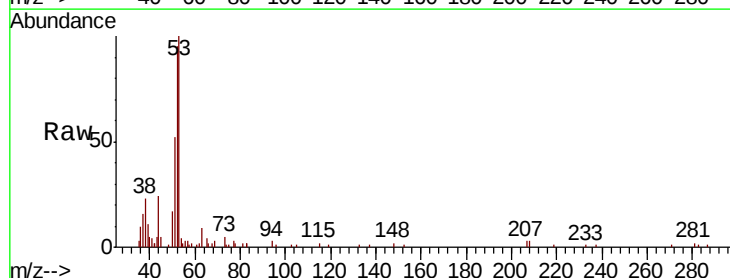
RT: 3.07 min Scan# 258

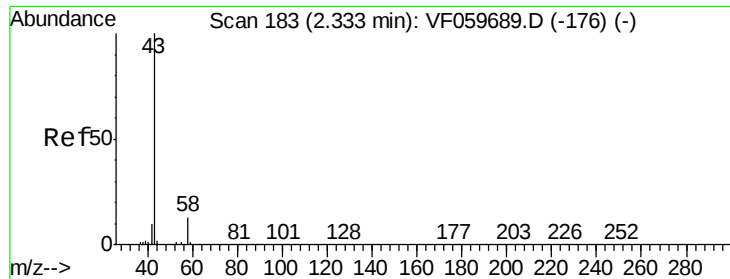
Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 26319 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 94.6  | 80.3  | 120.5 |
| 51       | 52.0  | 49.4  | 74.0  |





#16

Acetone

Concen: 126.409 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :

MSVOA\_F

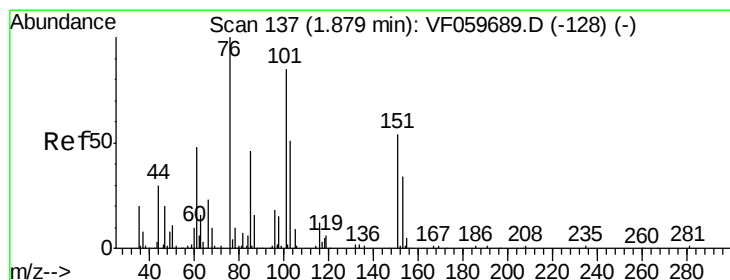
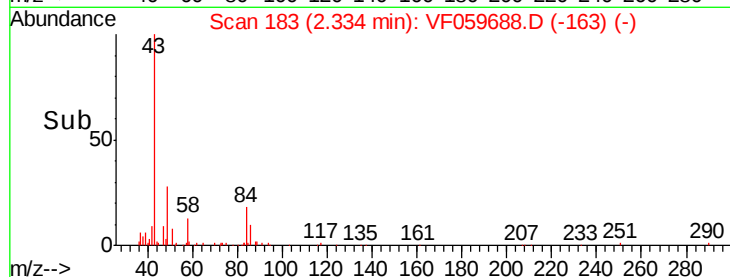
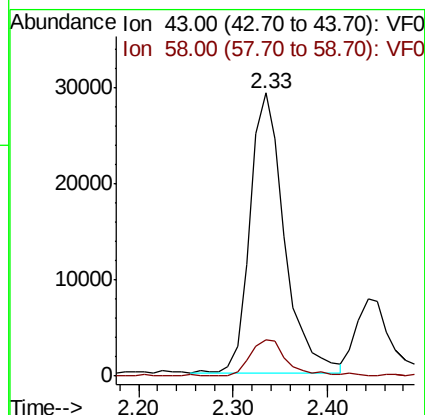
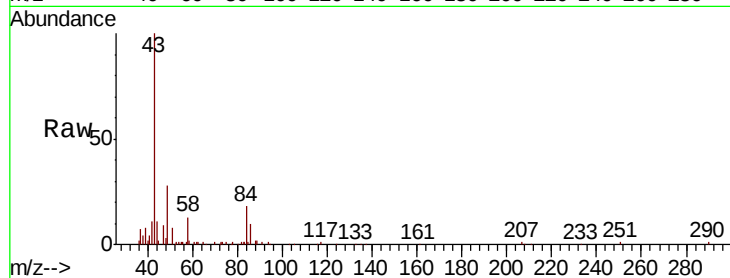
ClientSampleId :

Tot Ion: 43 Resp: 74296

Ion Ratio Lower Upper

43 100

58 12.7 10.1 15.1



#17

Carbon Disulfide

Concen: 10.304 ug/l

RT: 1.88 min Scan# 137

Delta R.T. 0.00 min

Lab File: VF059688.D

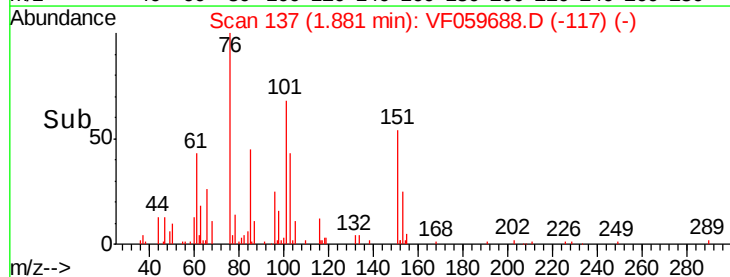
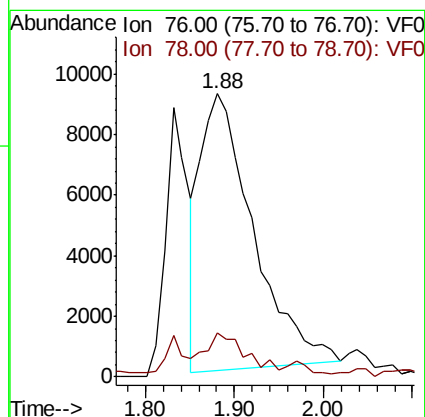
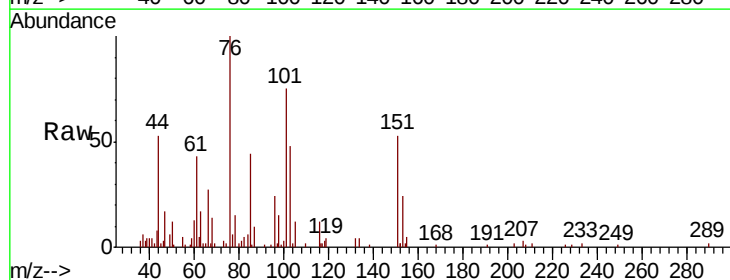
Acq: 30 Jul 2018 15:02

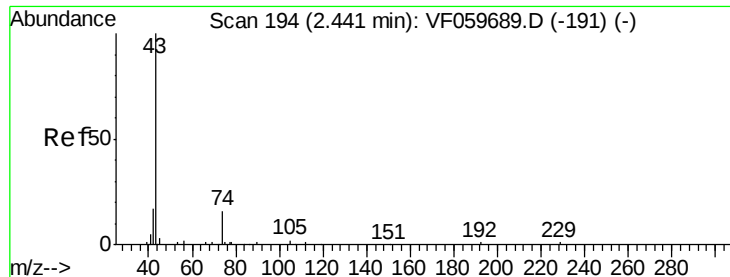
Tgt Ion: 76 Resp: 37602

Ion Ratio Lower Upper

76 100

78 15.4 8.9 13.3#

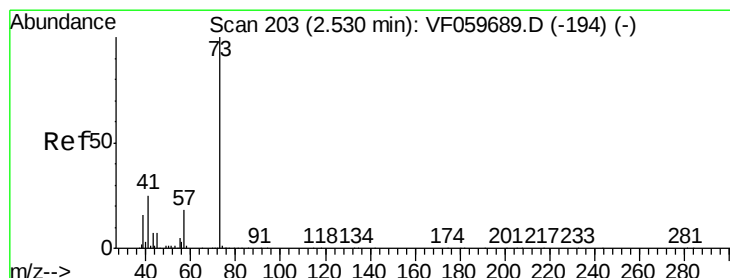
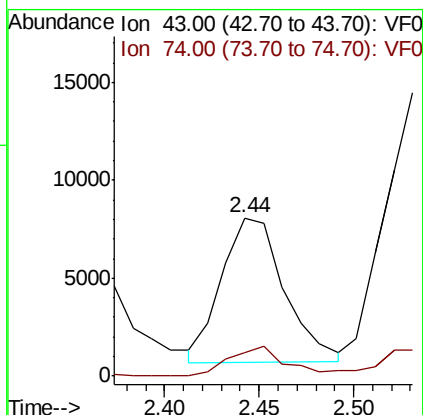
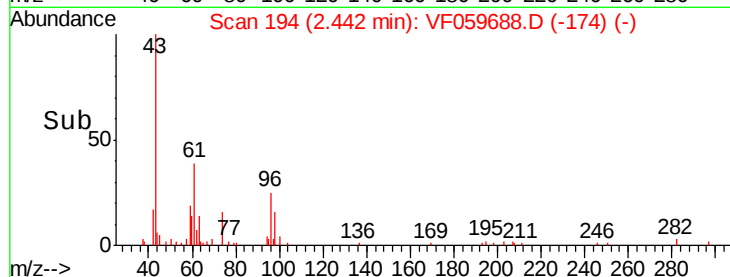
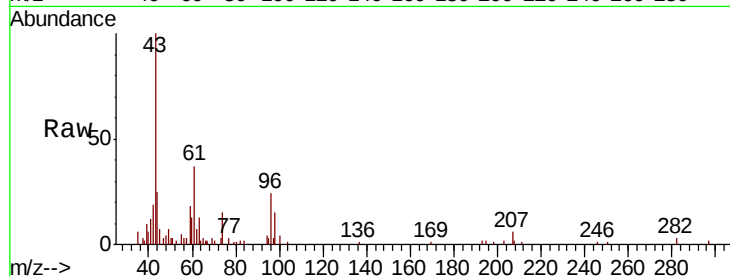




#18  
Methyl Acetate  
Concen: 17.364 ug/l  
RT: 2.44 min Scan# 194  
Delta R.T. 0.00 min  
Lab File: VF059688.D  
Acq: 30 Jul 2018 15:02

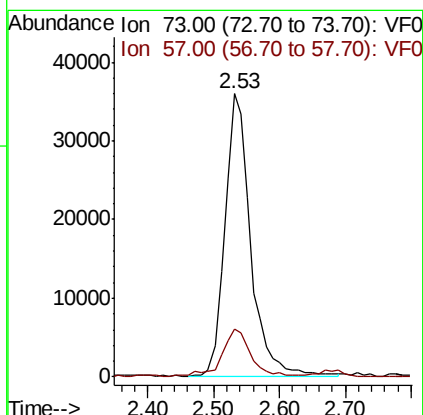
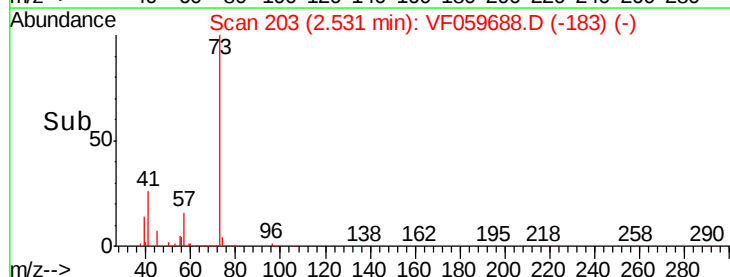
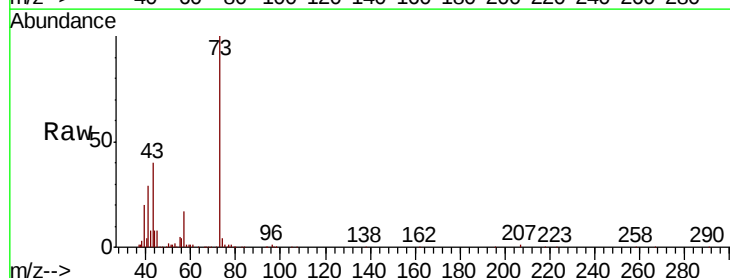
Instrument :  
MSVOA\_F  
ClientSampleId :

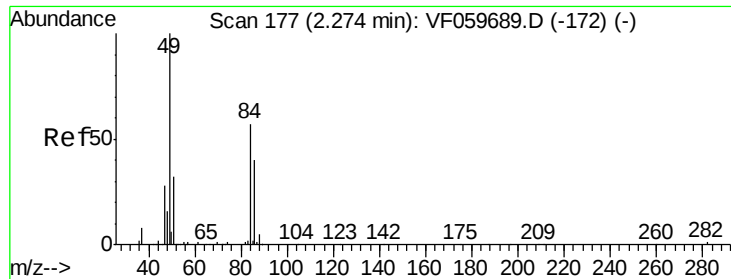
Tot Ion: 43 Resp: 17084  
Ion Ratio Lower Upper  
43 100  
74 15.1 11.8 17.6



#19  
Methyl tert-butyl Ether  
Concen: 23.625 ug/l  
RT: 2.53 min Scan# 203  
Delta R.T. 0.00 min  
Lab File: VF059688.D  
Acq: 30 Jul 2018 15:02

Tgt Ion: 73 Resp: 99108  
Ion Ratio Lower Upper  
73 100  
57 16.7 14.2 21.2

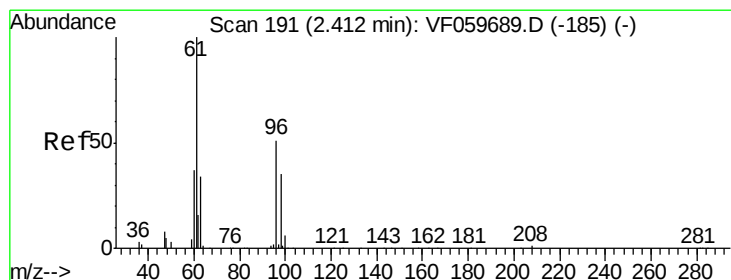
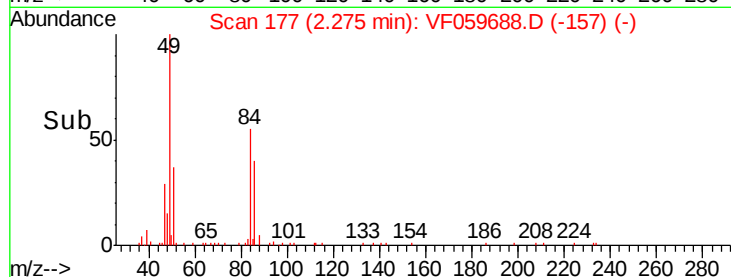
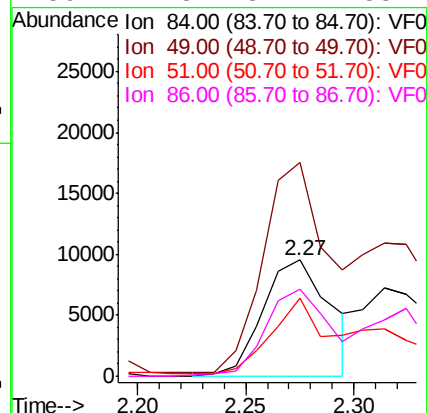
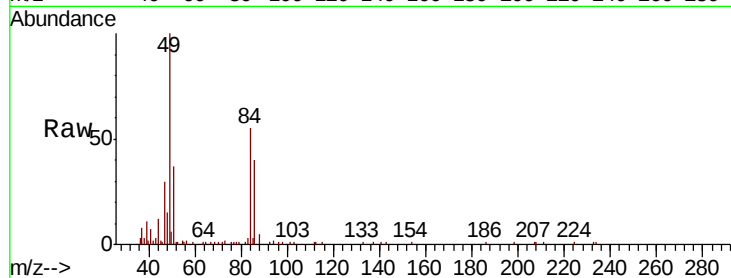




#20  
Methvlene Chloride  
Concen: 9.572 ug/l  
RT: 2.27 min Scan# 177  
Delta R.T. 0.00 min  
Lab File: VF059688.D  
Acq: 30 Jul 2018 15:02

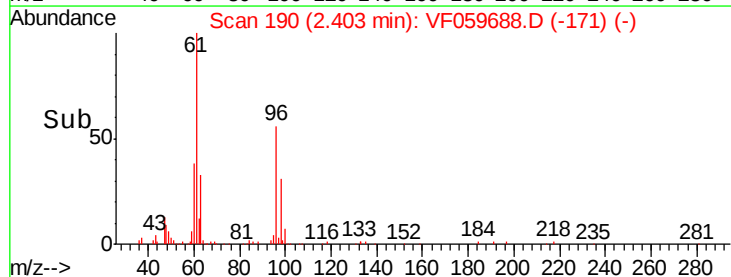
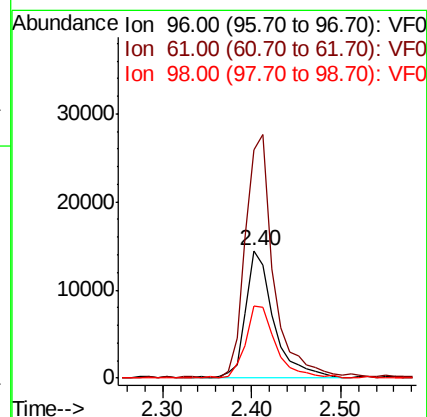
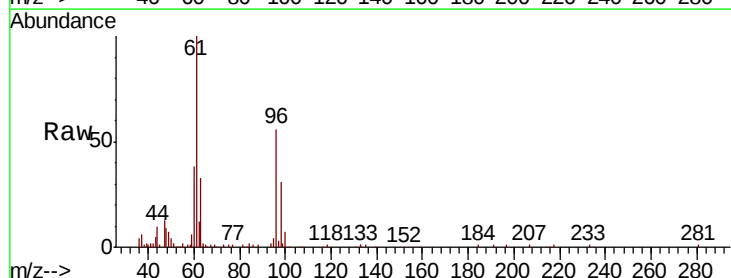
Instrument :  
MSVOA\_F  
ClientSampleId :

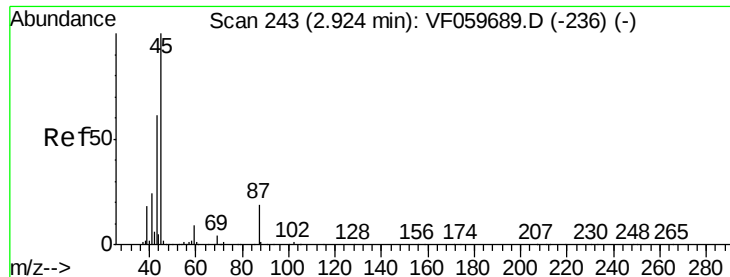
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 20718 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 183.5 | 142.2 | 213.4 |
| 51       | 67.1  | 46.2  | 69.2  |
| 86       | 74.3  | 57.1  | 85.7  |



#21  
trans-1,2-Dichloroethene  
Concen: 20.576 ug/l  
RT: 2.40 min Scan# 190  
Delta R.T. -0.01 min  
Lab File: VF059688.D  
Acq: 30 Jul 2018 15:02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 31680 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 180.0 | 157.4 | 236.0 |
| 98       | 56.3  | 55.0  | 82.4  |



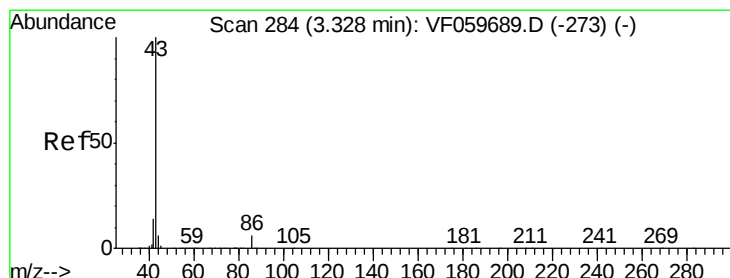
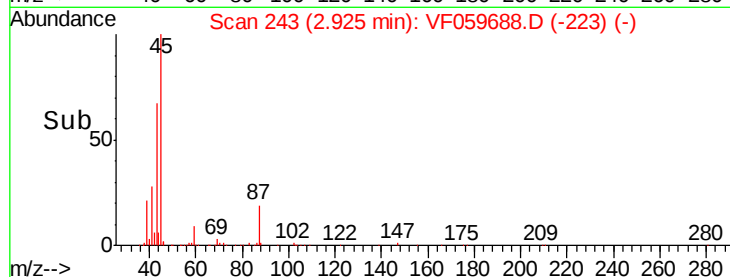
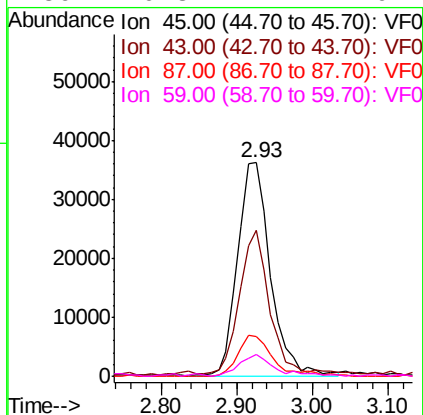
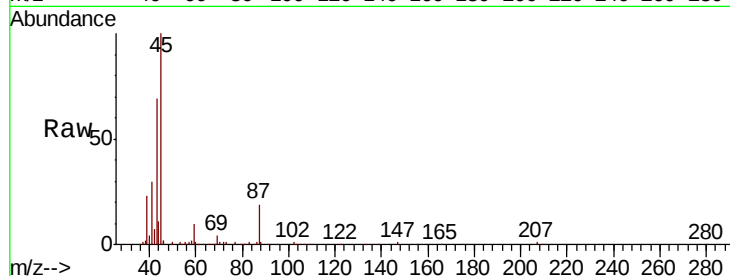


#22

Diisopropyl ether  
 Concen: 22.288 ug/l  
 RT: 2.93 min Scan# 243  
 Delta R.T. 0.00 min  
 Lab File: VF059688.D  
 Acq: 30 Jul 2018 15:02

Instrument :  
 MSVOA\_F  
 ClientSampled :

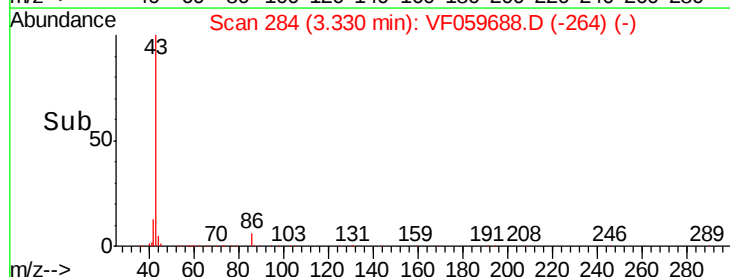
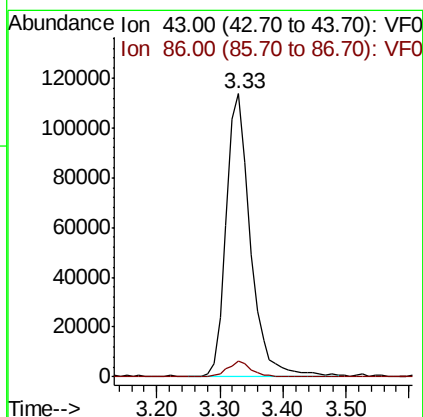
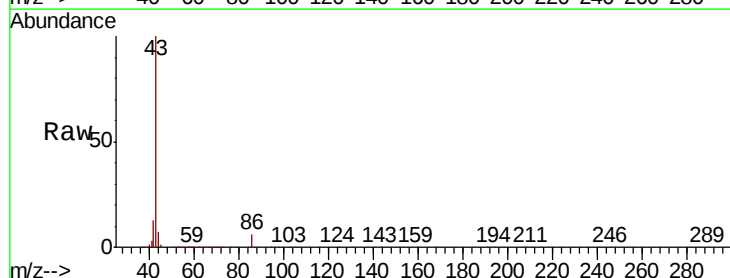
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 45    | Resp: | 109397 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 68.5  | 49.3  | 73.9   |
| 87       | 18.8  | 15.3  | 22.9   |
| 59       | 10.3  | 7.1   | 10.7   |

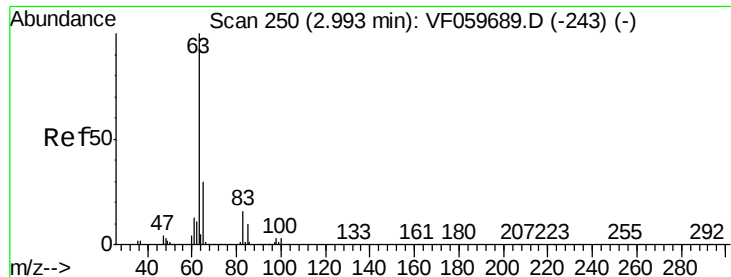


#23

Vinyl Acetate  
 Concen: 123.797 ug/l  
 RT: 3.33 min Scan# 284  
 Delta R.T. 0.00 min  
 Lab File: VF059688.D  
 Acq: 30 Jul 2018 15:02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 301235 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 86       | 5.5   | 4.6   | 6.8    |





#24

1,1-Dichloroethane

Concen: 21.175 ug/l

RT: 2.99 min Scan# 250

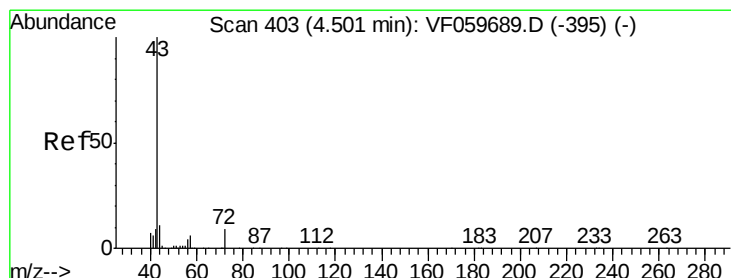
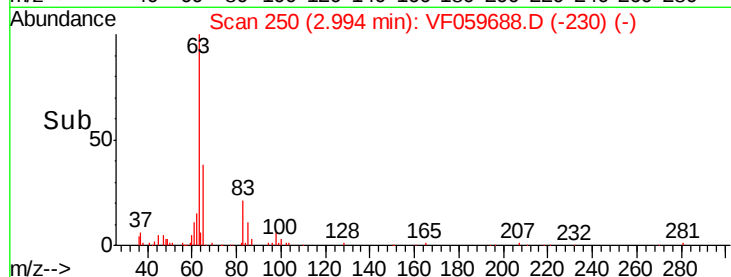
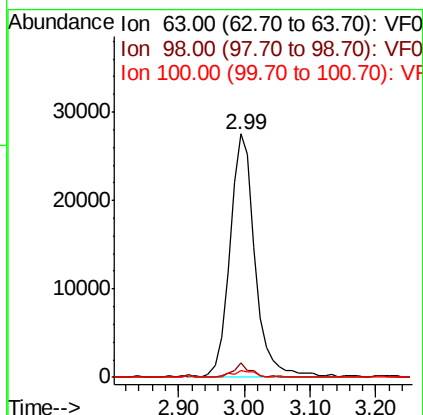
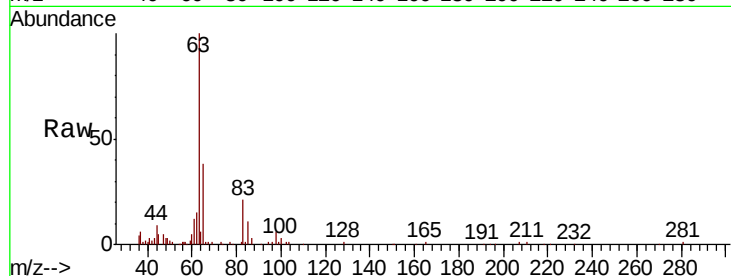
Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :  
MSVOA\_F  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 63    | Resp: | 73948 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 98       | 6.6   | 1.4   | 4.2#  |
| 100      | 2.7   | 1.6   | 4.7   |



#25

2-Butanone

Concen: 114.515 ug/l

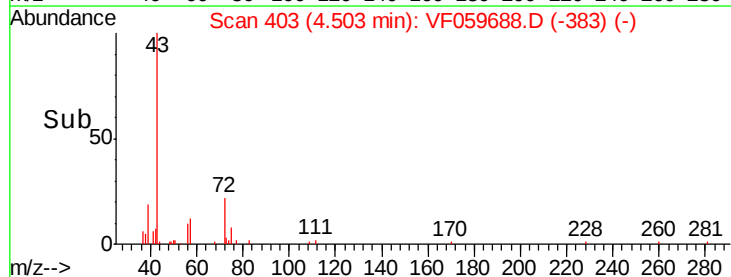
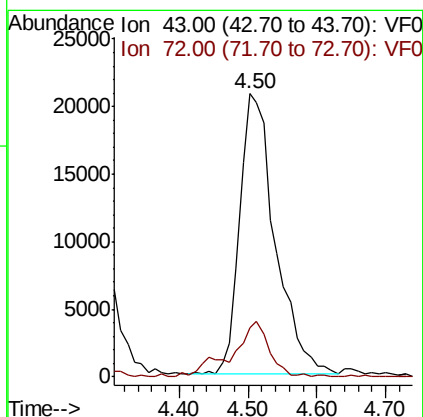
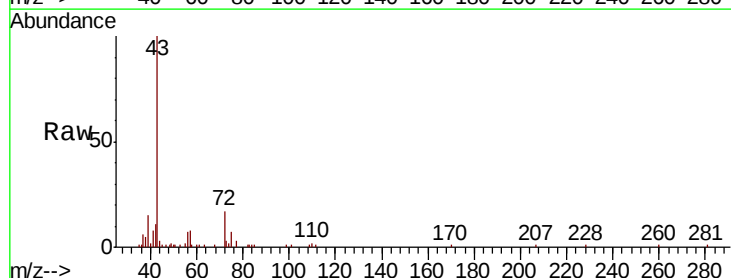
RT: 4.50 min Scan# 403

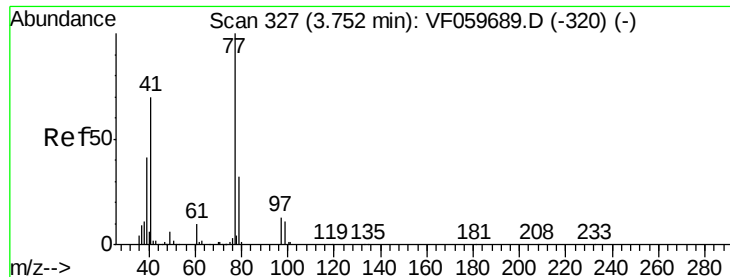
Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 74157 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 17.4  | 7.7   | 11.5# |





#26

2,2-Dichloropropane

Concen: 19.905 ug/l

RT: 3.75 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

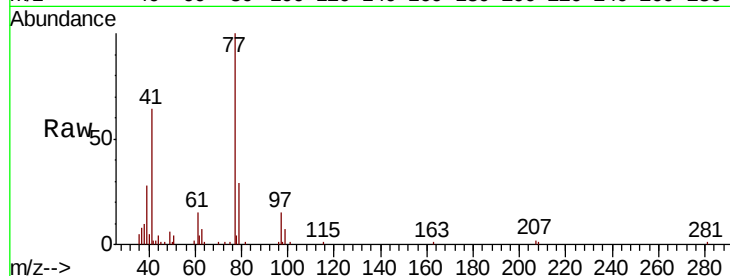
Instrument :  
MSVOA\_F  
ClientSampleId :

Tot Ion: 77 Resp: 56546

Ion Ratio Lower Upper

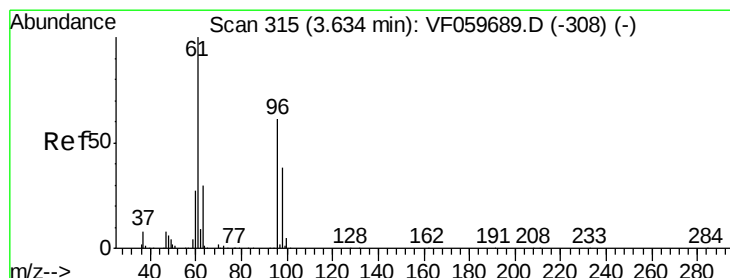
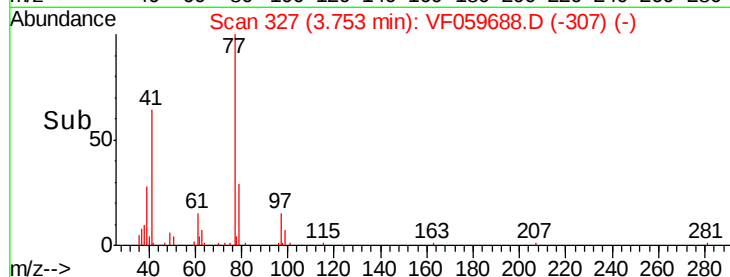
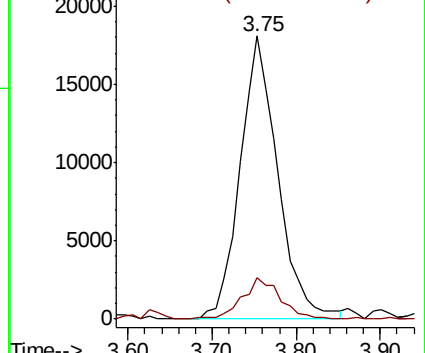
77 100

97 14.8 6.8 20.4



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



#27

cis-1,2-Dichloroethene

Concen: 21.875 ug/l

RT: 3.63 min Scan# 314

Delta R.T. -0.01 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

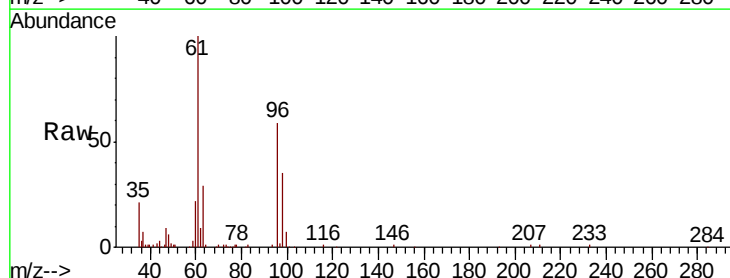
Tgt Ion: 96 Resp: 39506

Ion Ratio Lower Upper

96 100

61 170.2 0.0 326.8

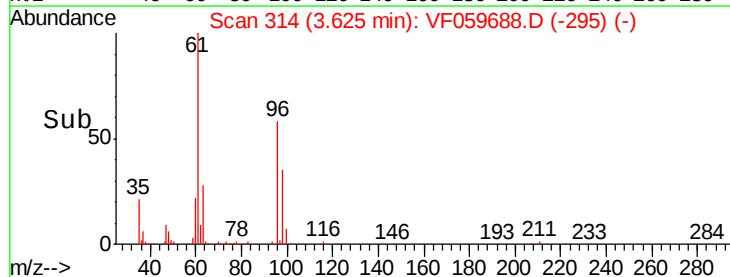
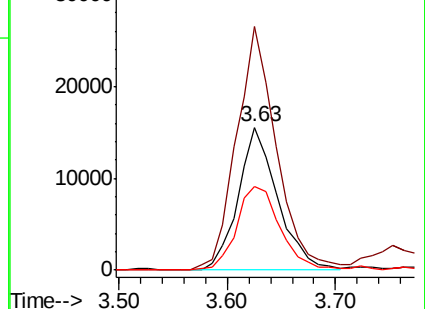
98 58.7 0.0 125.2

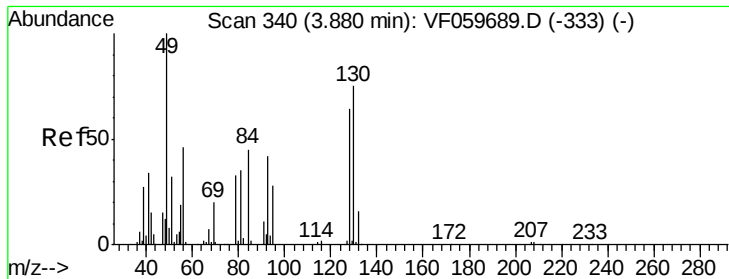


Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#28

Bromochloromethane

Concen: 24.143 ug/l

RT: 3.87 min Scan# 339

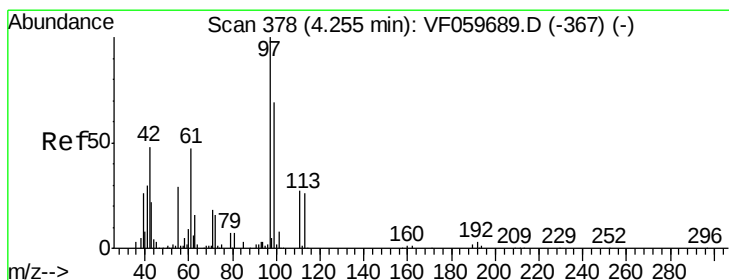
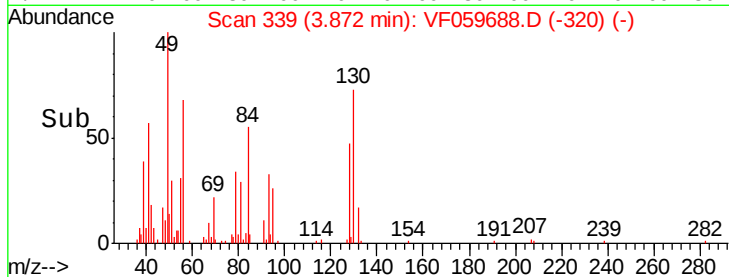
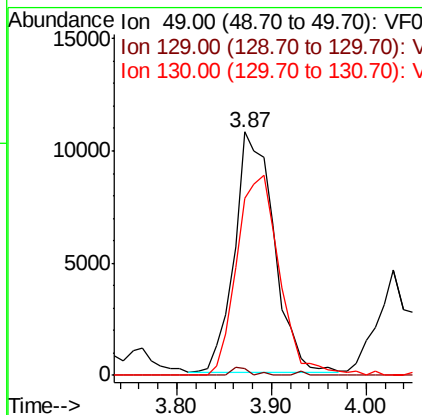
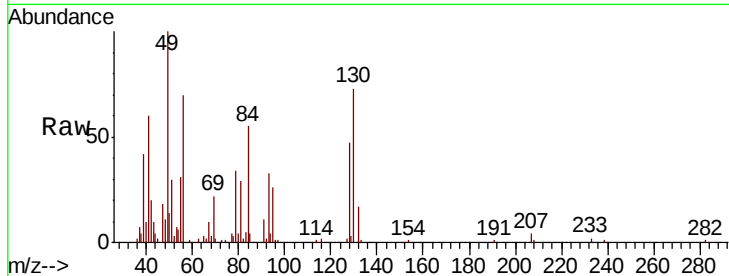
Delta R.T. -0.01 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :  
MSVOA\_F  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 49    | Resp: | 31062 |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 2.6   | 0.0   | 4.8   |
| 130      | 72.9  | 59.6  | 89.4  |



#29

Tetrahydrofuran

Concen: 116.013 ug/l

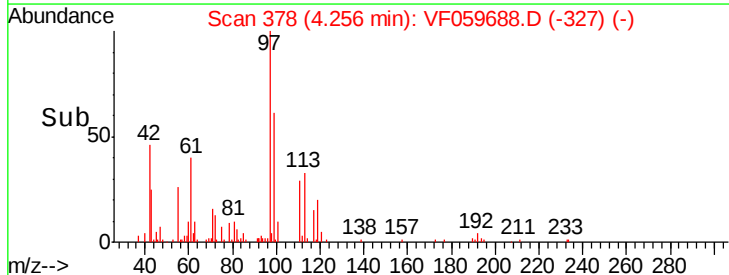
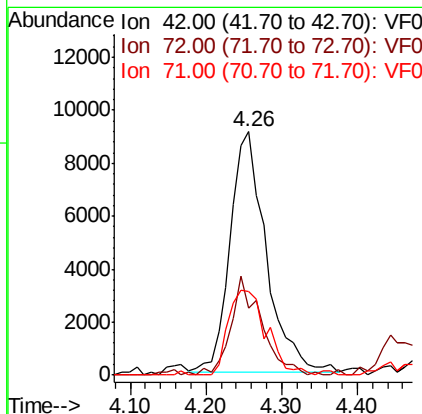
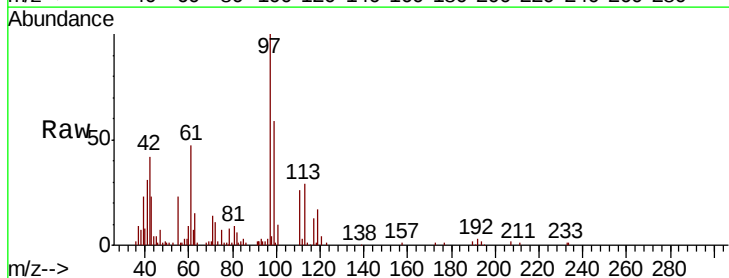
RT: 4.26 min Scan# 378

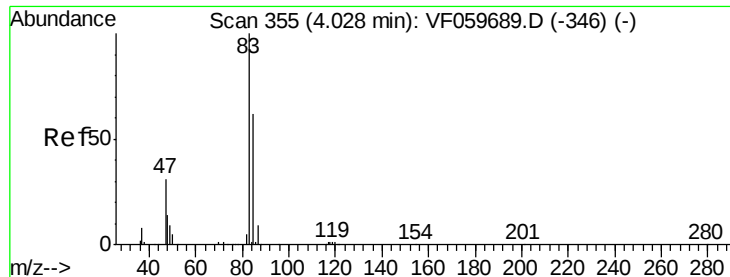
Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 30154 |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 34.6  | 27.0  | 40.6  |
| 71       | 37.1  | 29.7  | 44.5  |

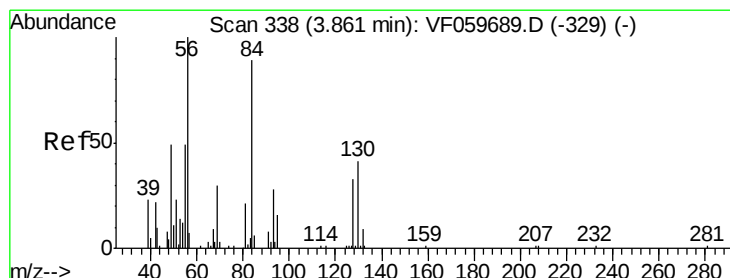
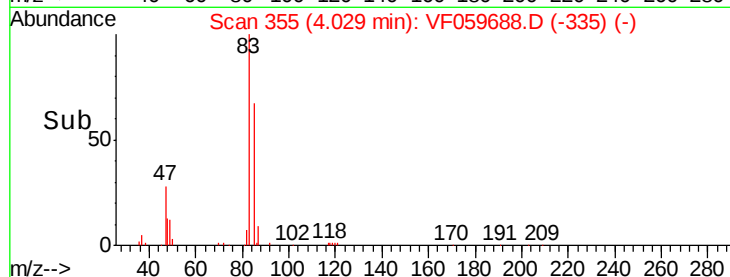
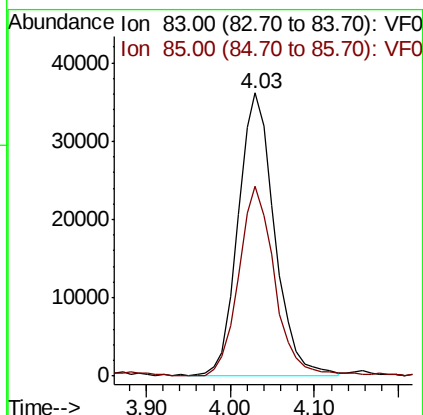
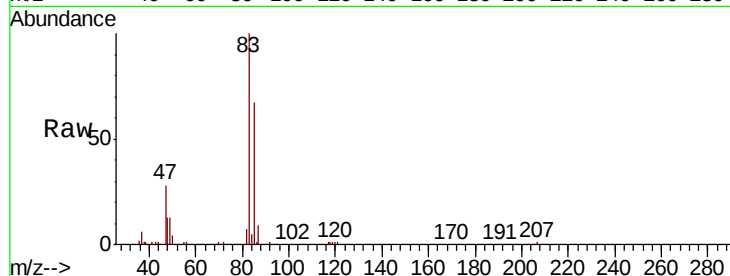




#30  
Chloroform  
Concen: 22.172 ug/l  
RT: 4.03 min Scan# 355  
Delta R.T. 0.00 min  
Lab File: VF059688.D  
Acq: 30 Jul 2018 15:02

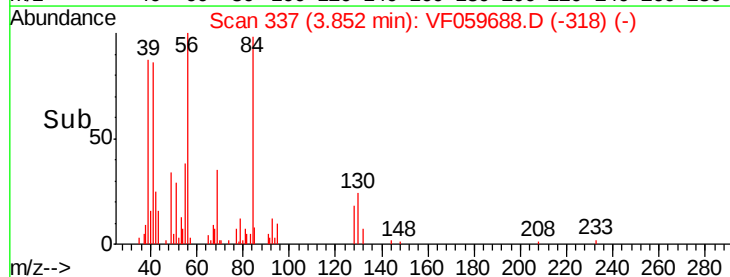
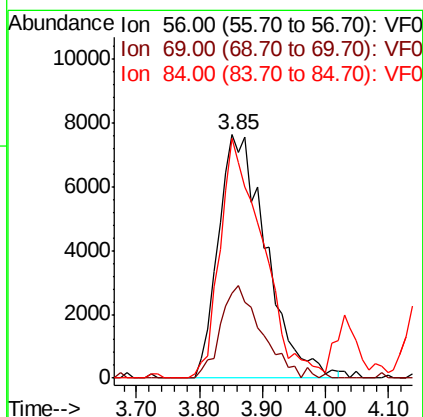
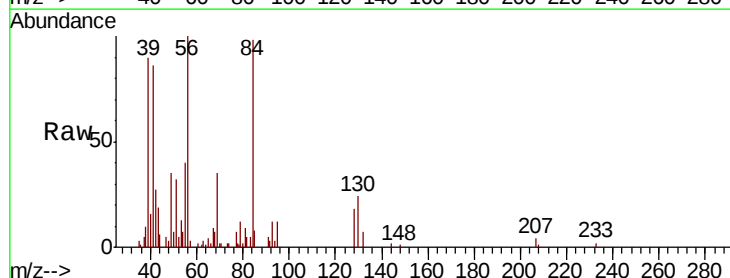
Instrument :  
MSVOA\_F  
ClientSampleId :

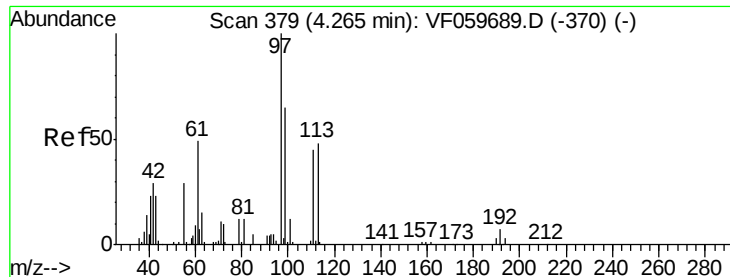
Tot Ion: 83 Resp: 109379  
Ion Ratio Lower Upper  
83 100  
85 67.1 49.4 74.0



#31  
Cyclohexane  
Concen: 20.066 ug/l  
RT: 3.85 min Scan# 337  
Delta R.T. -0.01 min  
Lab File: VF059688.D  
Acq: 30 Jul 2018 15:02

Tgt Ion: 56 Resp: 40265  
Ion Ratio Lower Upper  
56 100  
69 35.1 23.7 35.5  
84 98.3 71.1 106.7





#32

1,1,1-Trichloroethane

Concen: 21.177 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :

MSVOA\_F

ClientSampled :

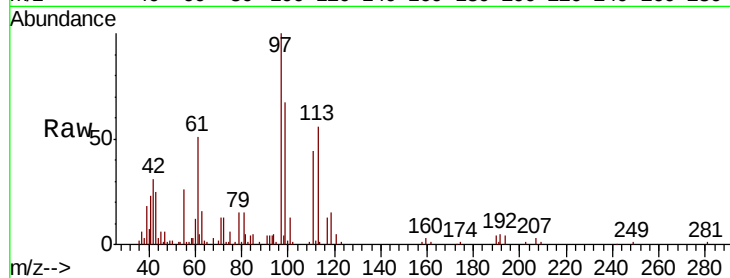
Tot Ion: 97 Resp: 85699

Ion Ratio Lower Upper

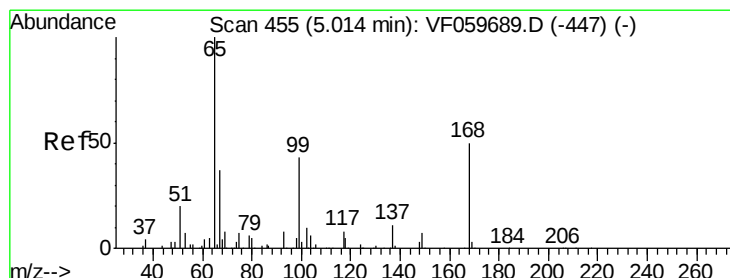
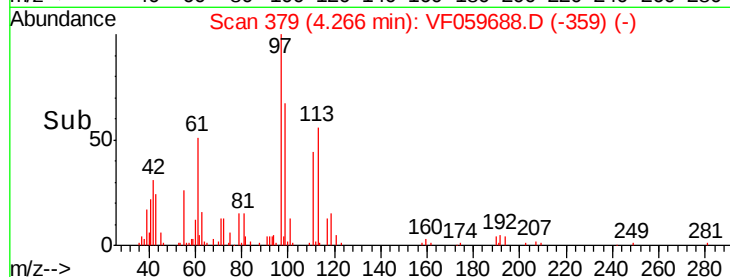
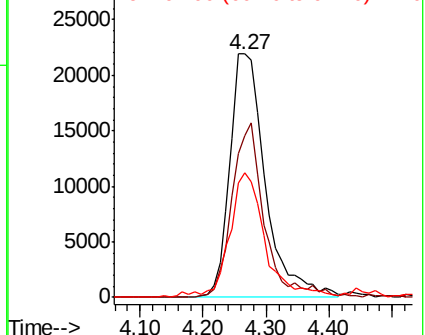
97 100

99 66.6 52.4 78.6

61 51.0 39.7 59.5



Abundance Ion 97.00 (96.70 to 97.70): VF0  
Ion 99.00 (98.70 to 99.70): VF0  
Ion 61.00 (60.70 to 61.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 22.092 ug/l

RT: 5.02 min Scan# 455

Delta R.T. 0.00 min

Lab File: VF059688.D

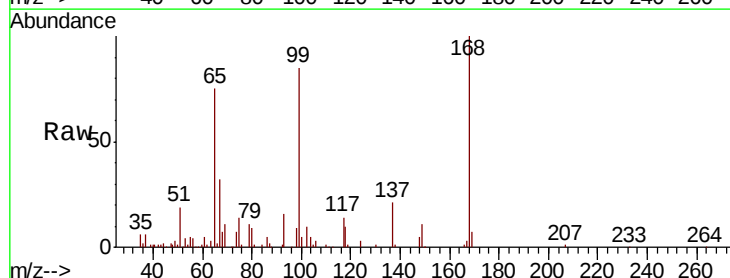
Acq: 30 Jul 2018 15:02

Tgt Ion: 65 Resp: 71263

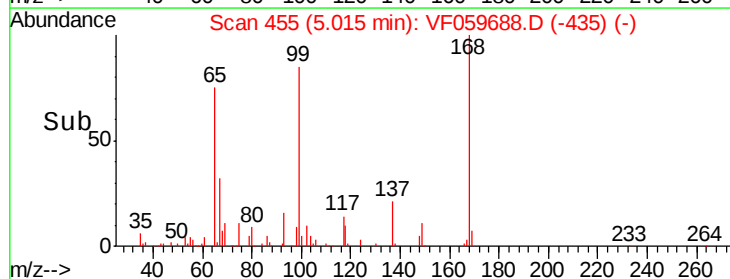
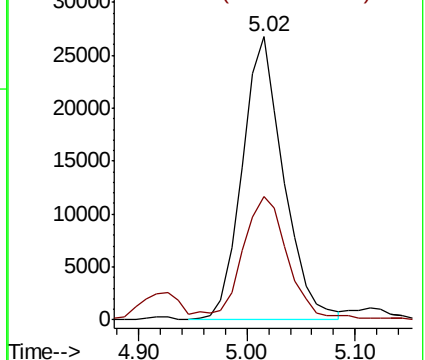
Ion Ratio Lower Upper

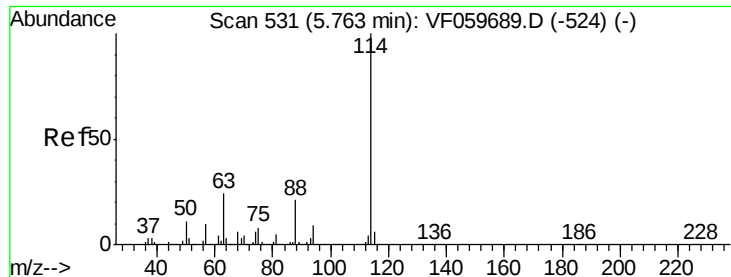
65 100

67 43.5 0.0 84.6



Abundance Ion 65.00 (64.70 to 65.70): VF0  
Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 531

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :

MSVOA\_F

ClientSampled :

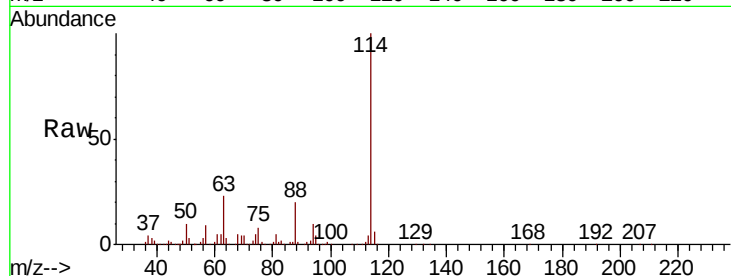
Tot Ion:114 Resp: 288588

Ion Ratio Lower Upper

114 100

63 22.9 0.0 47.4

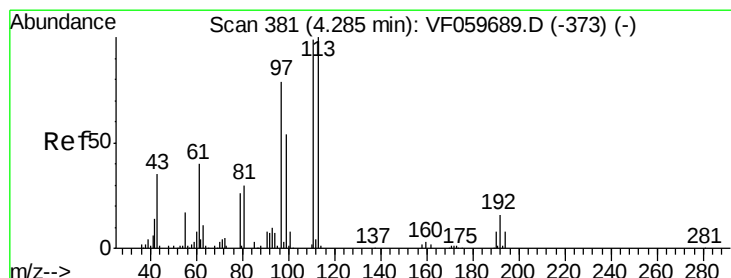
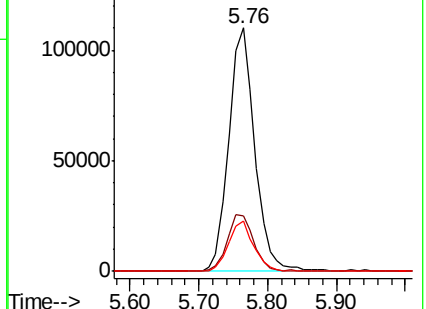
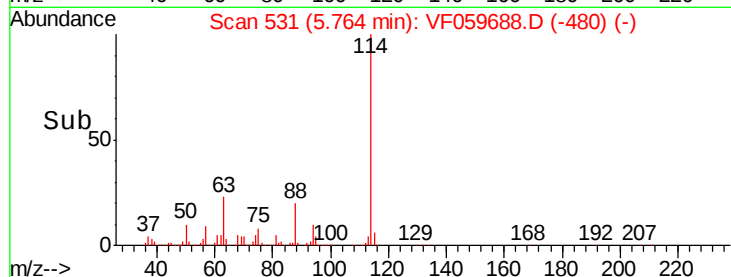
88 20.5 0.0 41.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 21.575 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

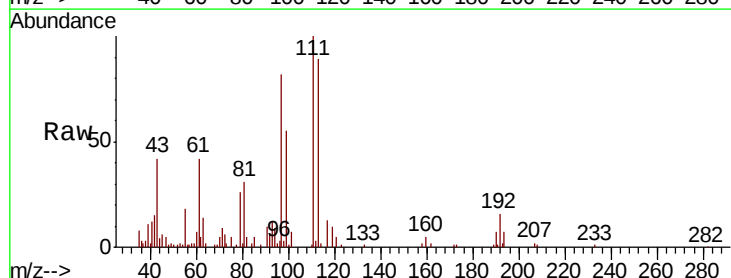
Tgt Ion:113 Resp: 59588

Ion Ratio Lower Upper

113 100

111 111.9 79.0 118.4

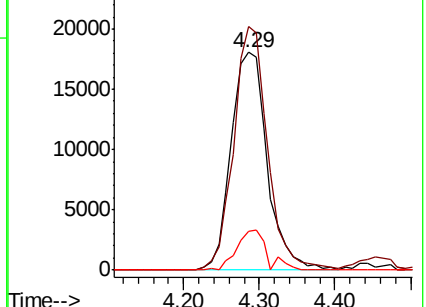
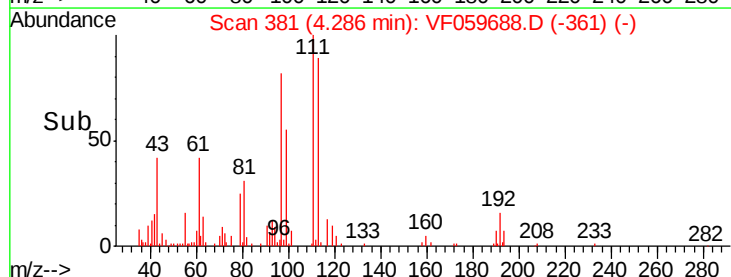
192 18.1 13.2 19.8

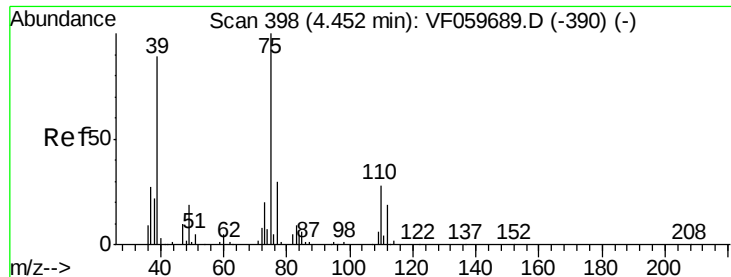


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#36

1,1-Dichloropropene

Concen: 21.622 ug/l

RT: 4.45 min Scan# 398

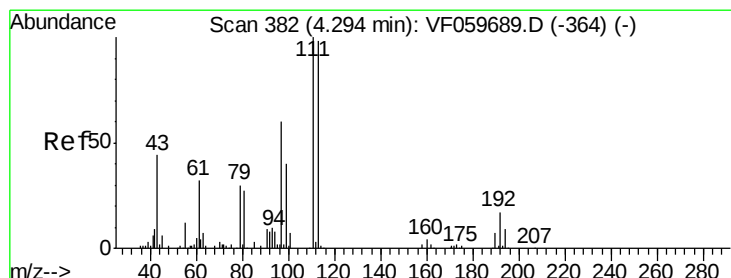
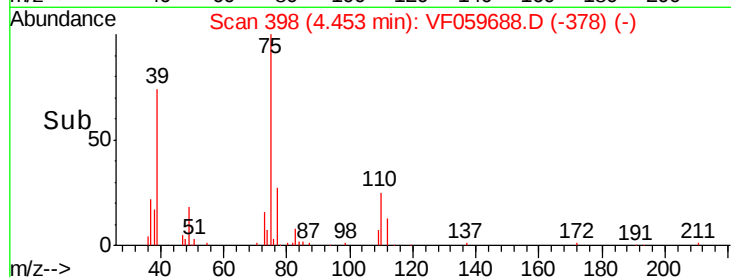
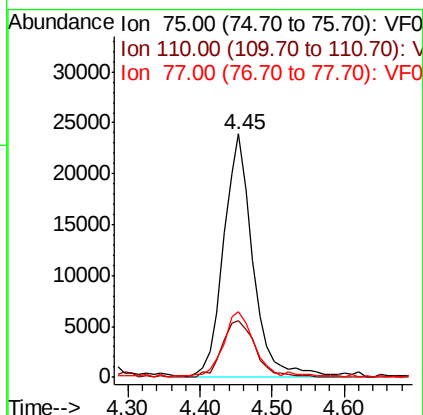
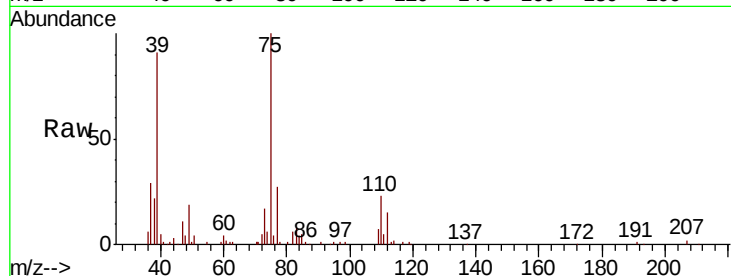
Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :  
MSVOA\_F  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 67680 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 23.4  | 14.0  | 41.9  |
| 77       | 26.9  | 24.2  | 36.2  |



#37

Ethyl Acetate

Concen: 23.213 ug/l

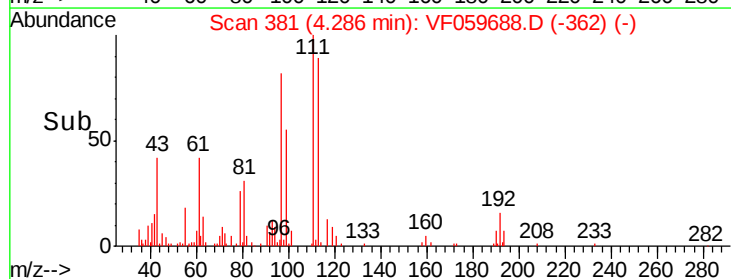
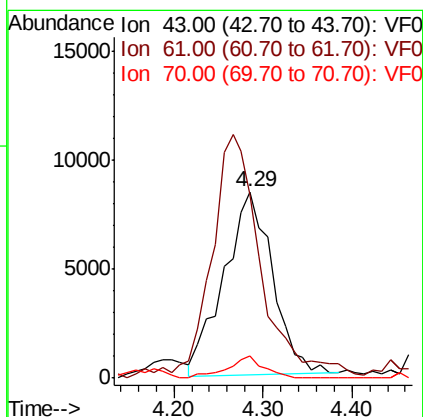
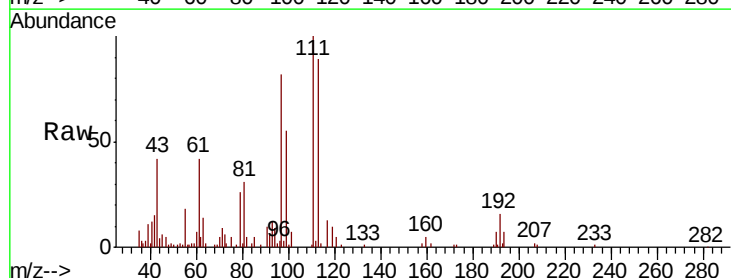
RT: 4.29 min Scan# 381

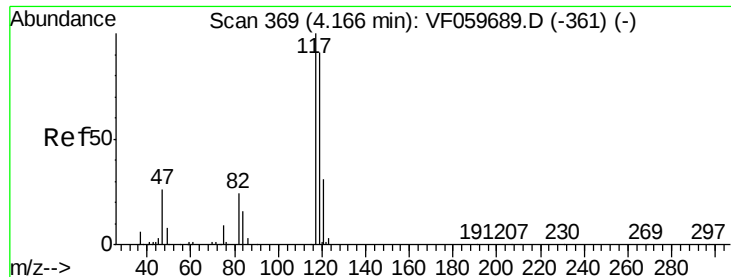
Delta R.T. -0.01 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 31696 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 98.8  | 58.2  | 87.2# |
| 70       | 11.7  | 6.0   | 9.0#  |





#38

Carbon Tetrachloride

Concen: 22.679 ug/l

RT: 4.16 min Scan# 368

Delta R.T. -0.01 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :

MSVOA\_F

ClientSampleId :

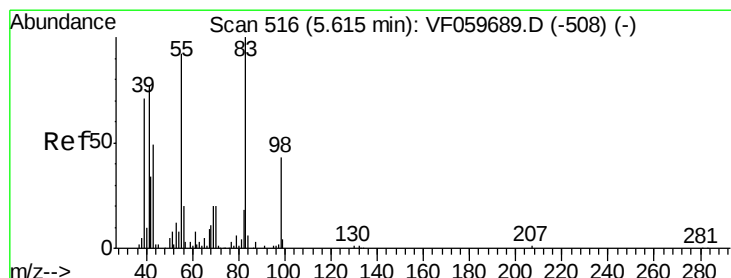
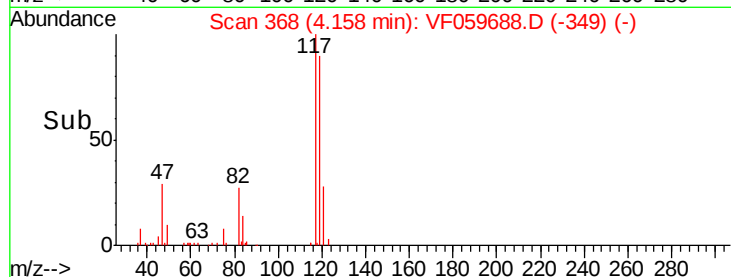
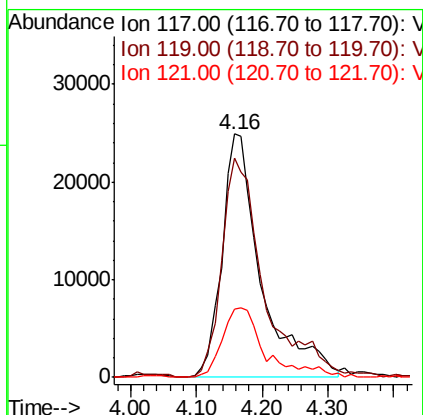
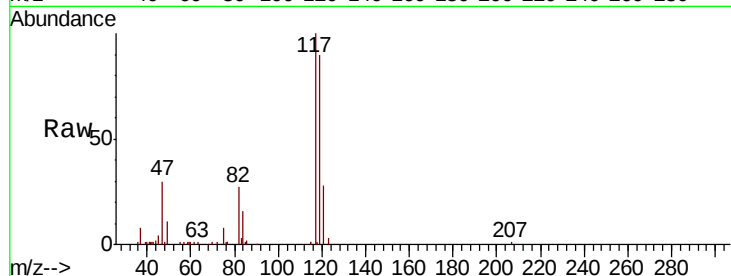
Tot Ion:117 Resp: 104153

Ion Ratio Lower Upper

117 100

119 90.3 72.9 109.3

121 28.0 25.0 37.4



#39

Methylcyclohexane

Concen: 20.446 ug/l

RT: 5.62 min Scan# 516

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

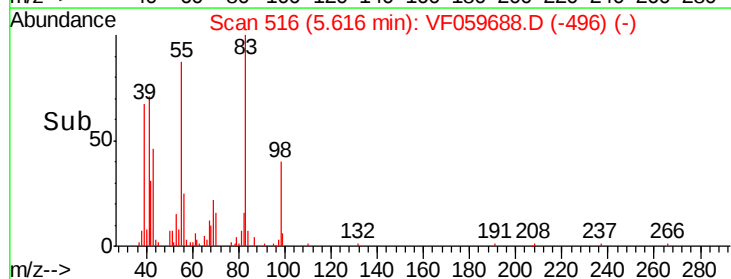
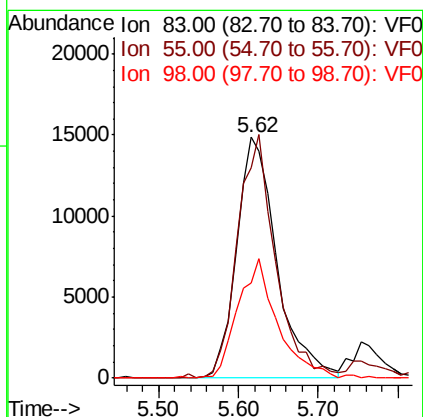
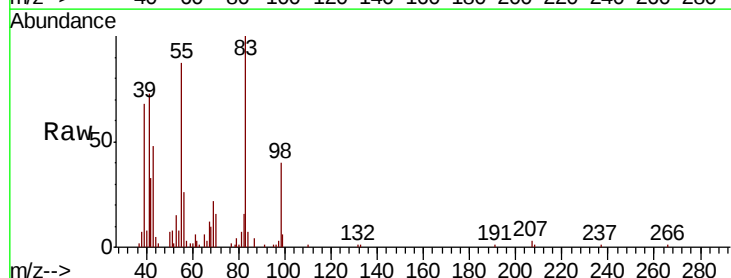
Tgt Ion: 83 Resp: 52086

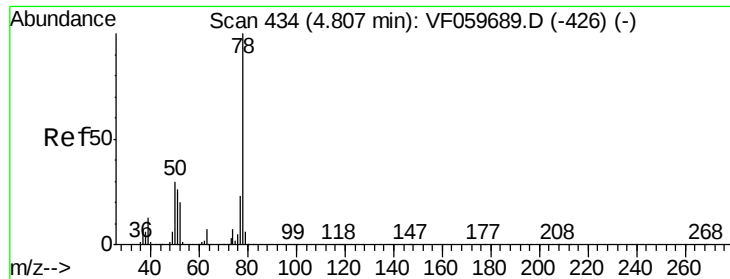
Ion Ratio Lower Upper

83 100

55 87.4 73.4 110.2

98 39.5 34.2 51.4





#40

Benzene

Concen: 20.748 ug/l

RT: 4.81 min Scan# 434

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

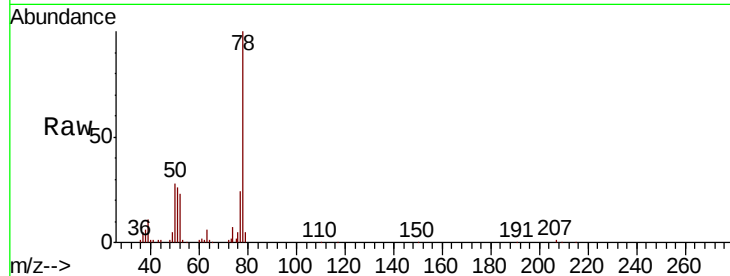
Instrument :  
MSVOA\_F  
ClientSampleId :

Tot Ion: 78 Resp: 115354

Ion Ratio Lower Upper

78 100

77 24.3 18.9 28.3



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

4.81

40000

30000

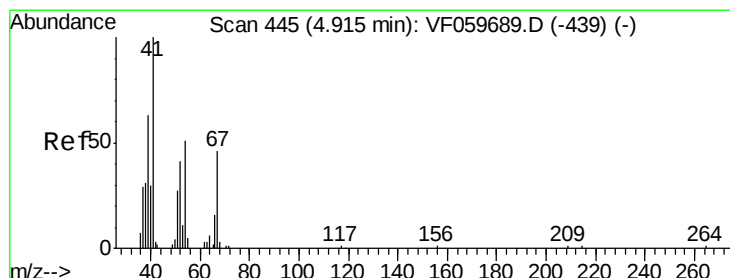
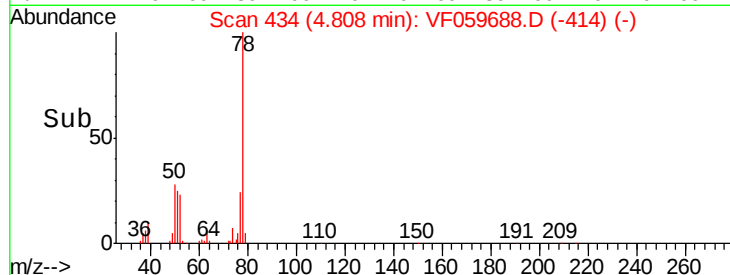
20000

10000

0

4.70 4.80 4.90 5.00

Time-->



#41

Methacrylonitrile

Concen: 23.929 ug/l

RT: 4.92 min Scan# 445

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Tgt Ion: 41 Resp: 16090

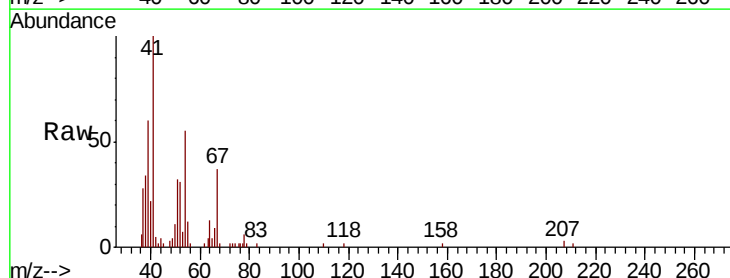
Ion Ratio Lower Upper

41 100

39 59.8 55.2 82.8

67 36.6 36.2 54.2

52 31.2 37.7 56.5#



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

15000

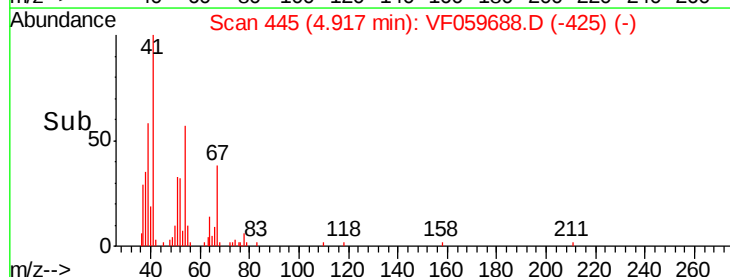
10000

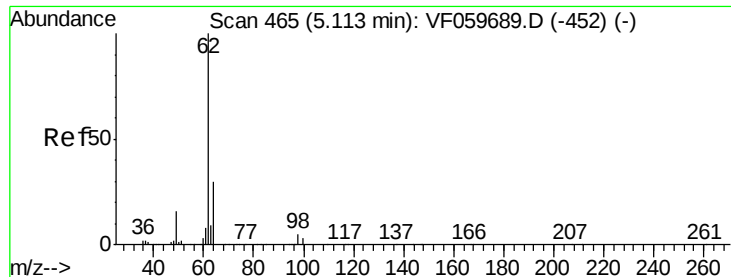
5000

0

4.80 4.90 5.00

Time-->





#42

1,2-Dichloroethane

Concen: 23.671 ug/l

RT: 5.11 min Scan# 465

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

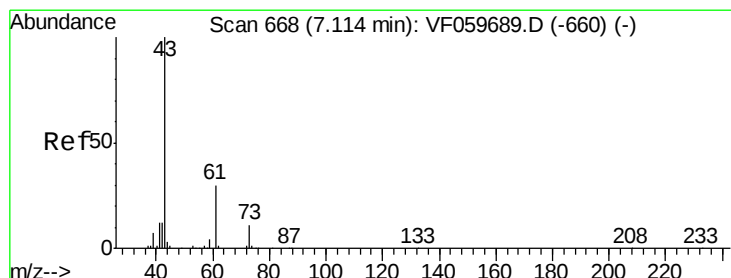
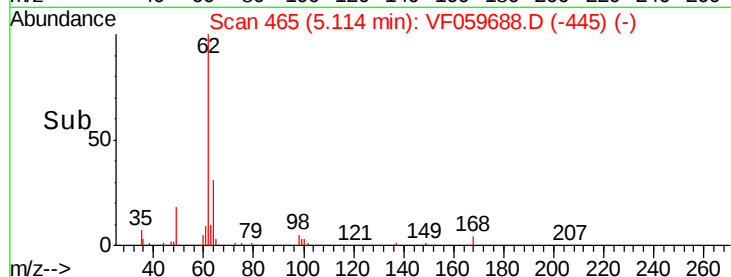
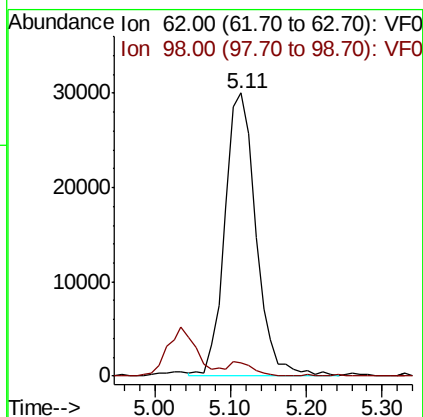
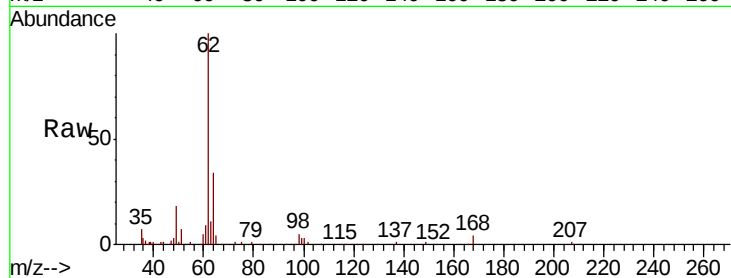
Instrument :  
MSVOA\_F  
ClientSampleId :

Tot Ion: 62 Resp: 85633

Ion Ratio Lower Upper

62 100

98 4.8 0.0 9.6



#43

Isopropyl Acetate

Concen: 25.830 ug/l

RT: 7.10 min Scan# 667

Delta R.T. -0.01 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

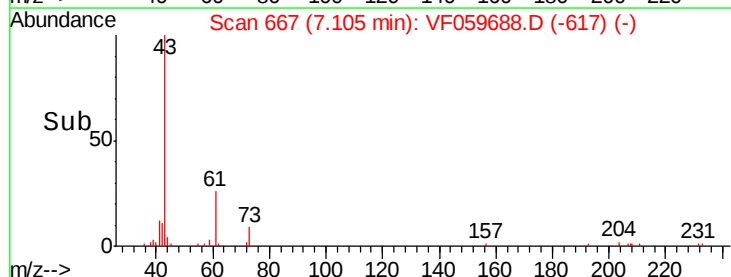
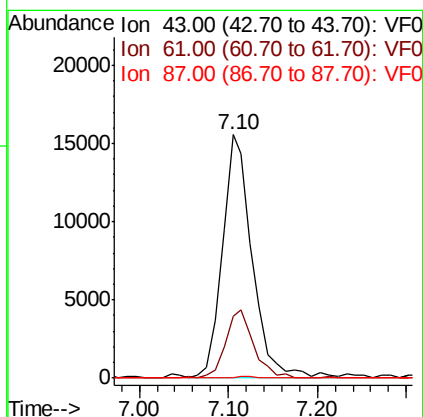
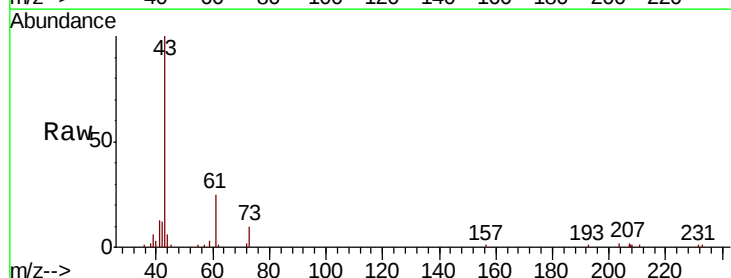
Tgt Ion: 43 Resp: 36519

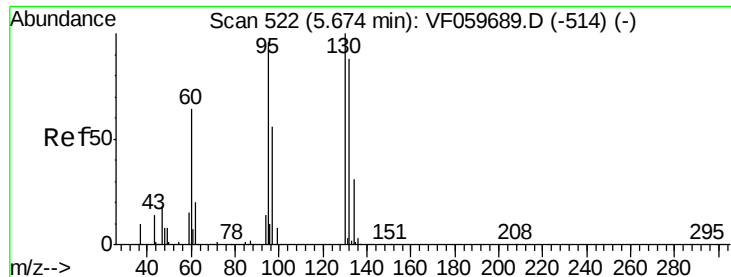
Ion Ratio Lower Upper

43 100

61 25.2 23.8 35.8

87 0.0 0.6 1.0#

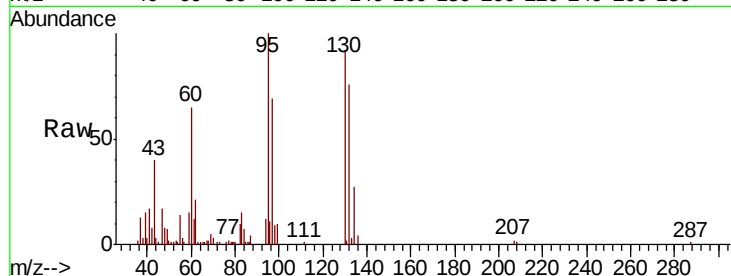




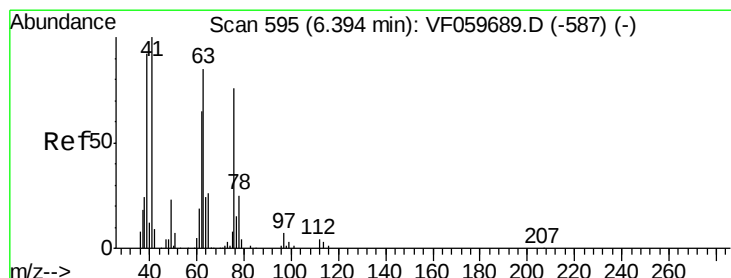
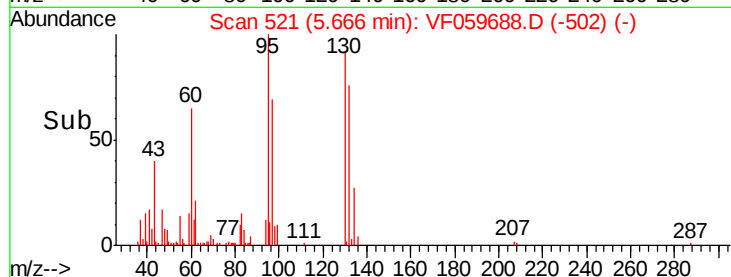
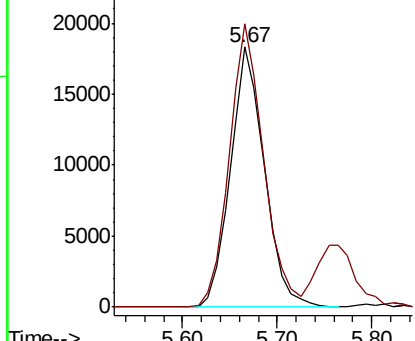
#44  
 Trichloroethene  
 Concen: 21.092 ug/l  
 RT: 5.67 min Scan# 521  
 Delta R.T. -0.01 min  
 Lab File: VF059688.D  
 Acq: 30 Jul 2018 15:02

Instrument :  
 MSVOA\_F  
 ClientSampleId :

Tot Ion:130 Resp: 45416  
 Ion Ratio Lower Upper  
 130 100  
 95 108.8 0.0 191.0

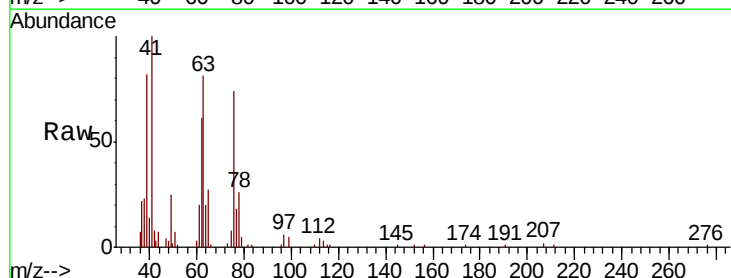


Abundance Ion 129.90 (129.60 to 130.60): VF0  
 Ion 94.90 (94.60 to 95.60): VF0

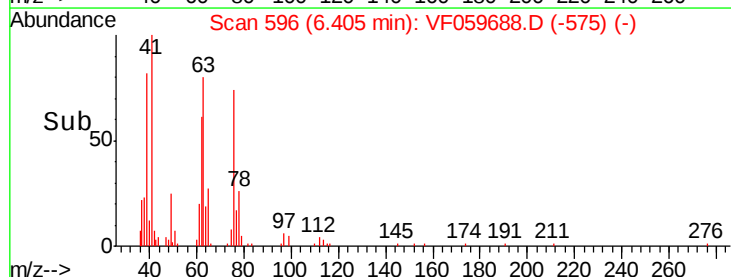
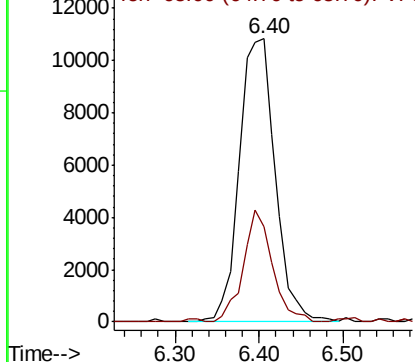


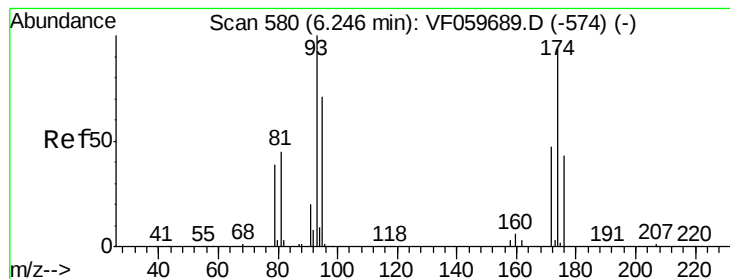
#45  
 1,2-Dichloropropane  
 Concen: 21.851 ug/l  
 RT: 6.40 min Scan# 596  
 Delta R.T. 0.01 min  
 Lab File: VF059688.D  
 Acq: 30 Jul 2018 15:02

Tgt Ion: 63 Resp: 32285  
 Ion Ratio Lower Upper  
 63 100  
 65 33.5 25.2 37.8



Abundance Ion 63.00 (62.70 to 63.70): VF0  
 Ion 65.00 (64.70 to 65.70): VF0





#46

Dibromomethane

Concen: 25.282 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :  
MSVOA\_F  
ClientSampleId :

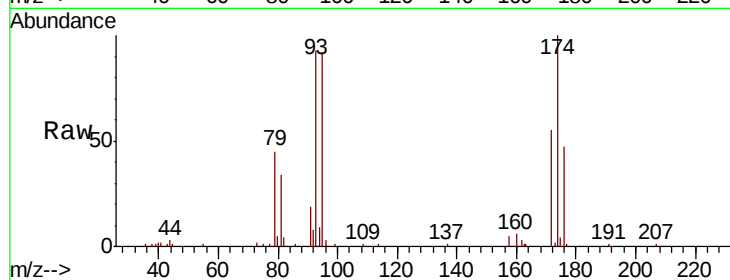
Tot Ion: 93 Resp: 32437

Ion Ratio Lower Upper

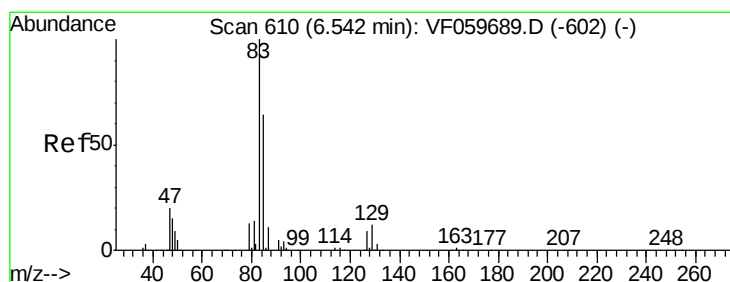
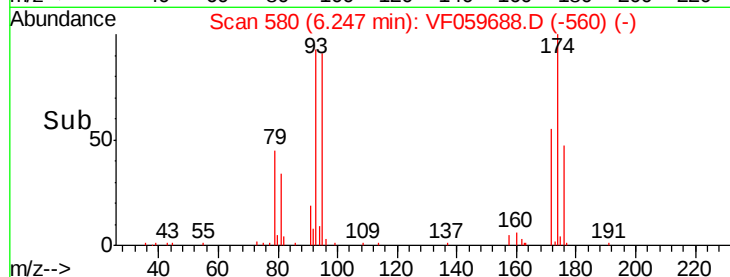
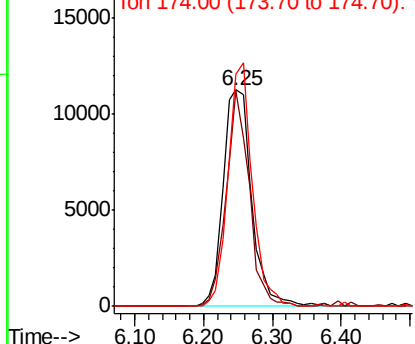
93 100

95 99.3 57.1 85.7#

174 111.4 74.8 112.2



Abundance Ion 93.00 (92.70 to 93.70): VF0  
Ion 95.00 (94.70 to 95.70): VF0  
Ion 174.00 (173.70 to 174.70): V



#47

Bromodichloromethane

Concen: 21.871 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

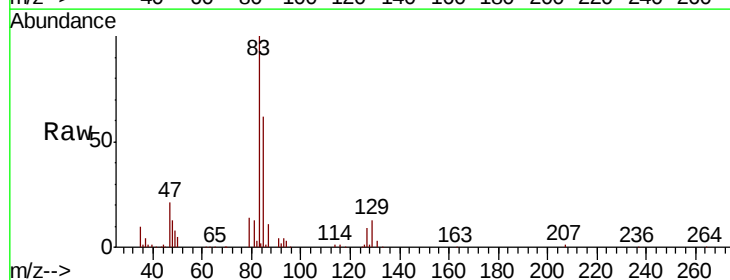
Tgt Ion: 83 Resp: 82217

Ion Ratio Lower Upper

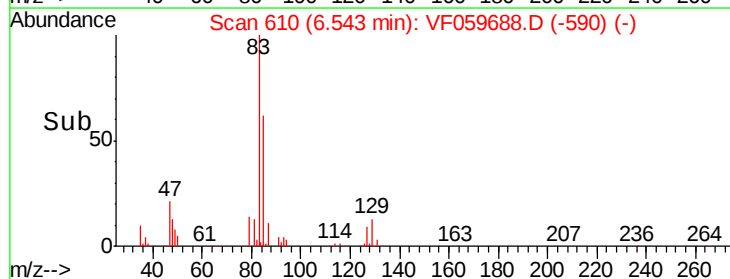
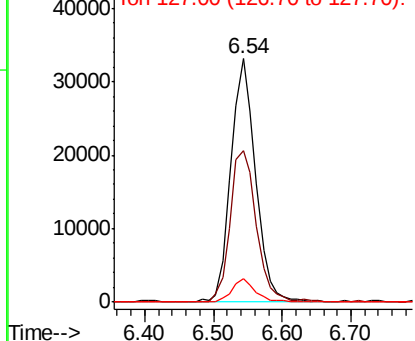
83 100

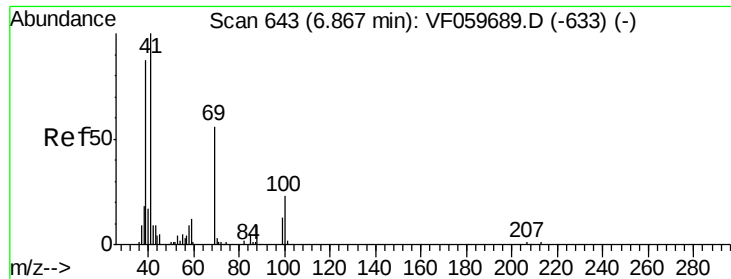
85 62.0 51.0 76.6

127 9.4 7.3 10.9



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

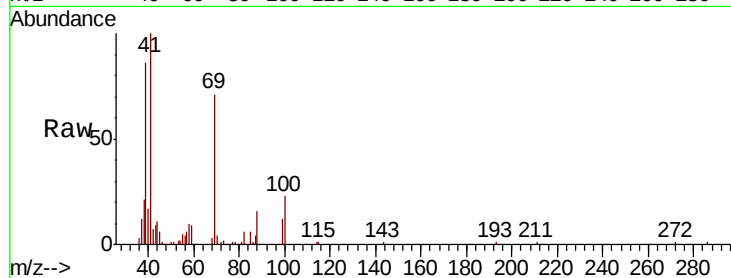




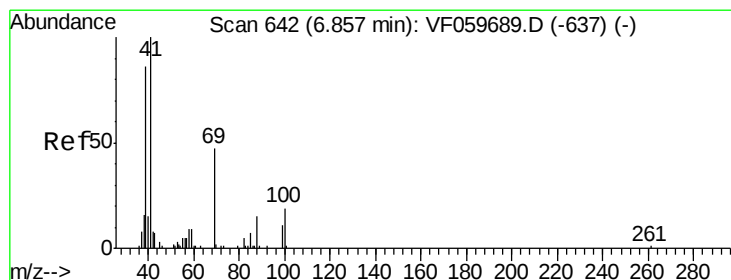
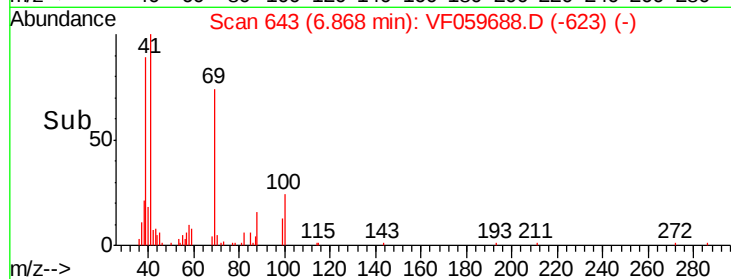
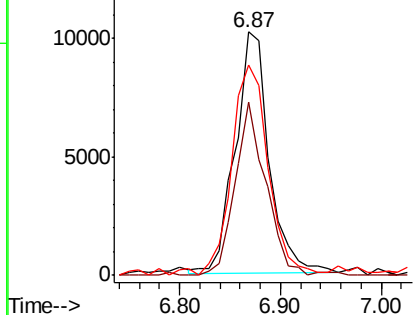
#48  
Methvl methacrylate  
Concen: 21.628 ug/l  
RT: 6.87 min Scan# 643  
Delta R.T. 0.00 min  
Lab File: VF059688.D  
Acq: 30 Jul 2018 15:02

Instrument :  
MSVOA\_F  
ClientSampleId :

Tot Ion: 41 Resp: 23999  
Ion Ratio Lower Upper  
41 100  
69 71.3 44.4 66.6#  
39 86.2 69.4 104.2

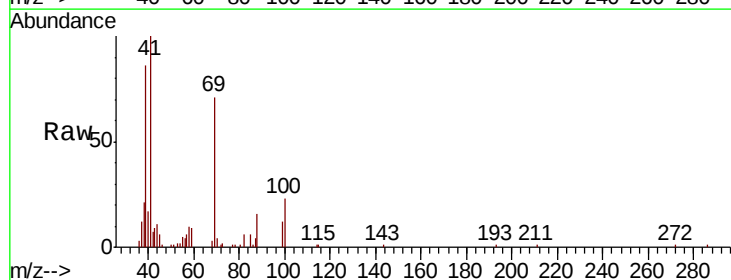


Abundance Ion 41.00 (40.70 to 41.70): VF0  
Ion 69.00 (68.70 to 69.70): VF0  
Ion 39.00 (38.70 to 39.70): VF0

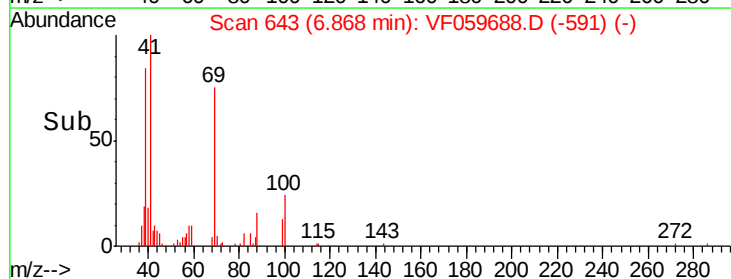
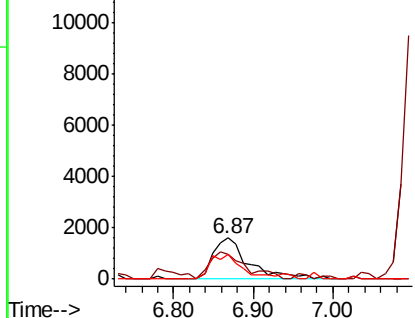


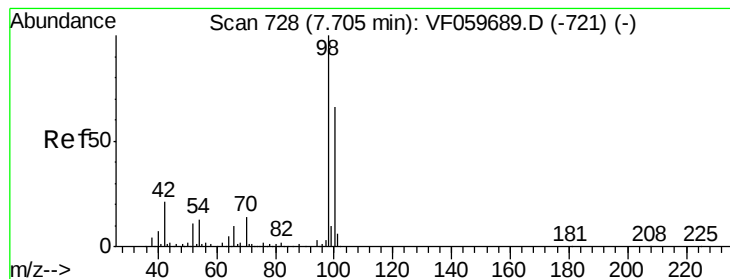
#49  
1,4-Dioxane  
Concen: 568.935 ug/l  
RT: 6.87 min Scan# 643  
Delta R.T. 0.01 min  
Lab File: VF059688.D  
Acq: 30 Jul 2018 15:02

Tgt Ion: 88 Resp: 5038  
Ion Ratio Lower Upper  
88 100  
43 60.5 45.2 67.8  
58 61.2 49.0 73.6



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: 21.200 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :

MSVOA\_F

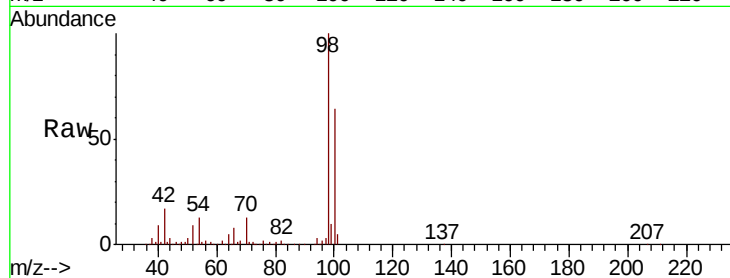
ClientSampleId :

Tot Ion: 98 Resp: 141573

Ion Ratio Lower Upper

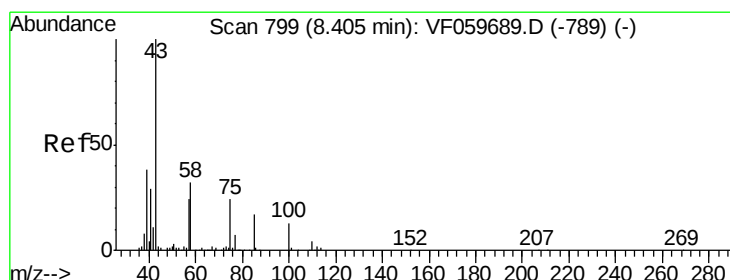
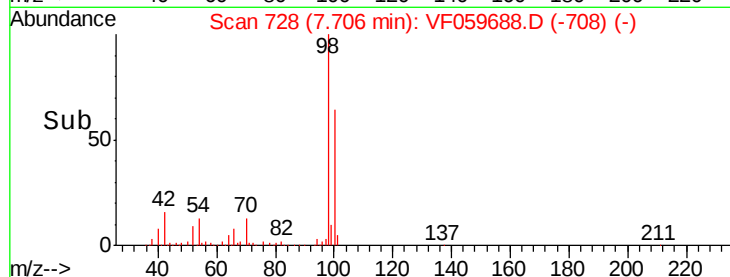
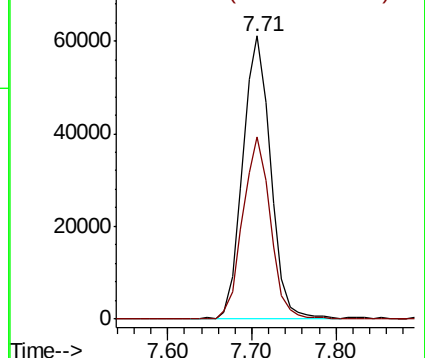
98 100

100 64.5 52.8 79.2



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: 127.222 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059688.D

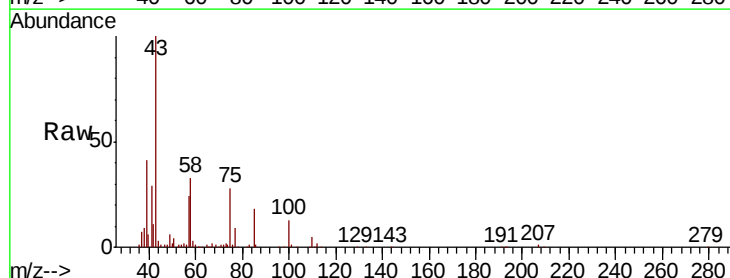
Acq: 30 Jul 2018 15:02

Tgt Ion: 43 Resp: 144748

Ion Ratio Lower Upper

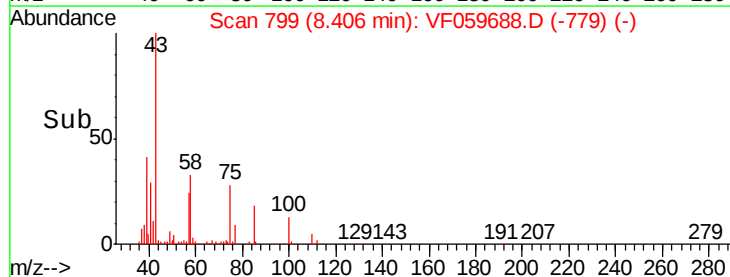
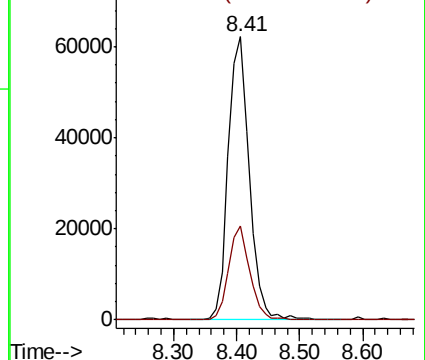
43 100

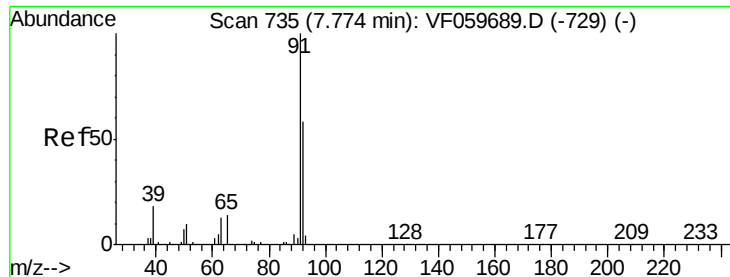
58 33.0 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#52

Toluene

Concen: 21.457 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

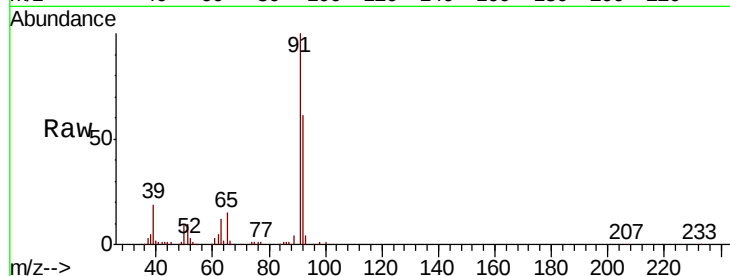
Instrument :  
MSVOA\_F  
ClientSampled :

Tot Ion: 92 Resp: 88611

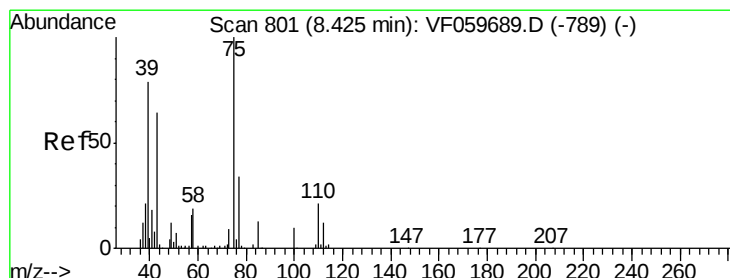
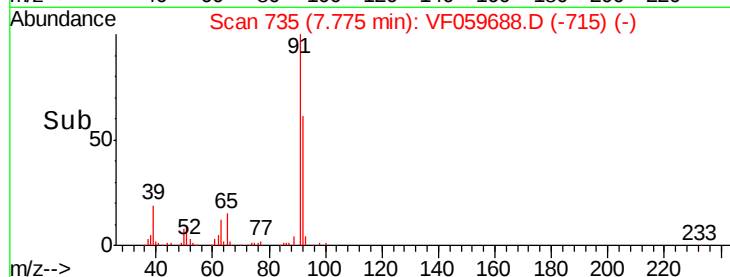
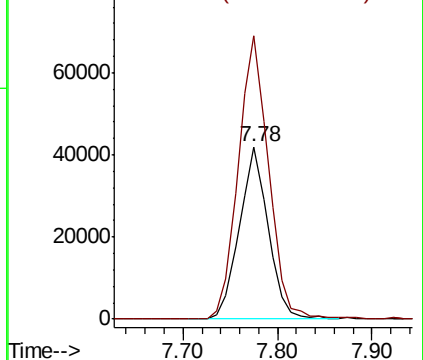
Ion Ratio Lower Upper

92 100

91 164.2 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VF0  
Ion 91.00 (90.70 to 91.70): VF0



#53

t-1,3-Dichloropropene

Concen: 23.922 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF059688.D

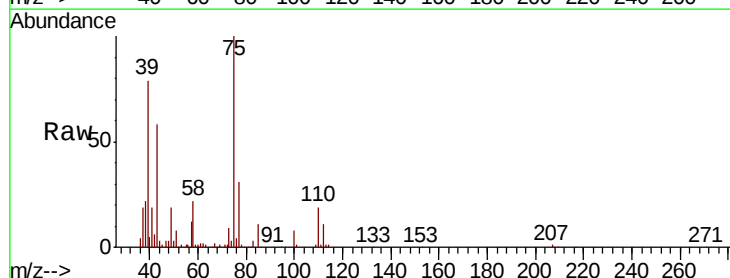
Acq: 30 Jul 2018 15:02

Tgt Ion: 75 Resp: 71928

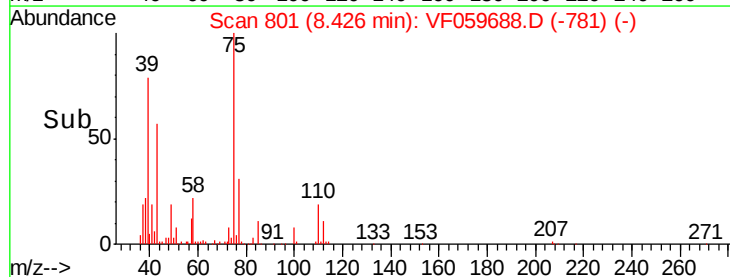
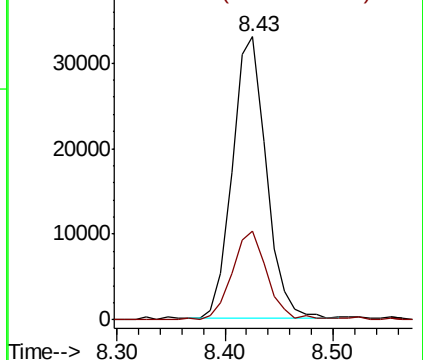
Ion Ratio Lower Upper

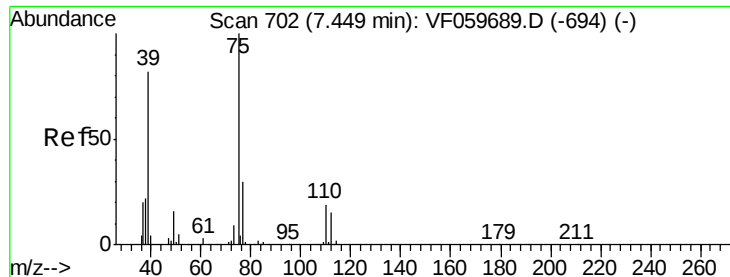
75 100

77 31.4 27.0 40.4



Abundance Ion 75.00 (74.70 to 75.70): VF0  
Ion 77.00 (76.70 to 77.70): VF0



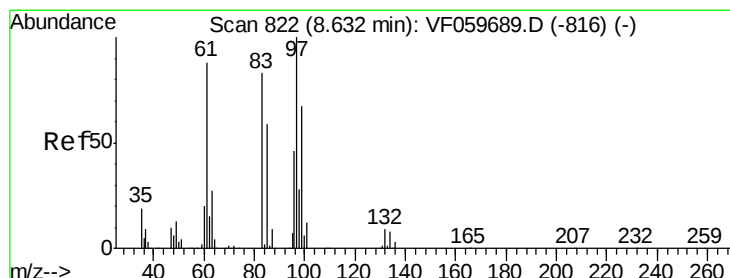
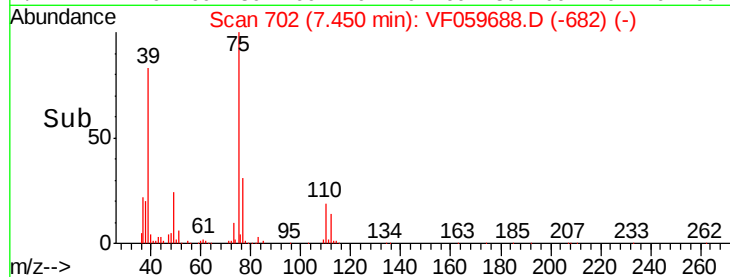
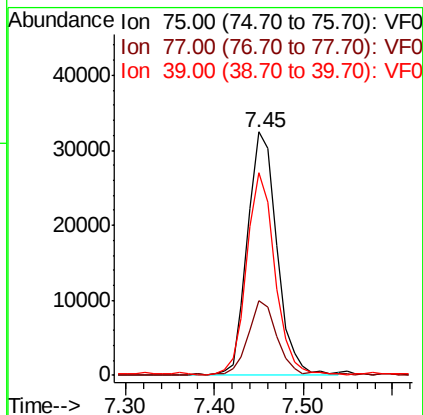
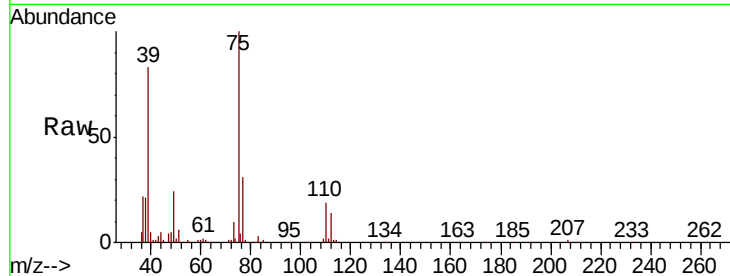


#54

cis-1,3-Dichloropropene  
 Concen: 23.851 ug/l  
 RT: 7.45 min Scan# 702  
 Delta R.T. 0.00 min  
 Lab File: VF059688.D  
 Acq: 30 Jul 2018 15:02

Instrument :  
 MSVOA\_F  
 ClientSampleId :

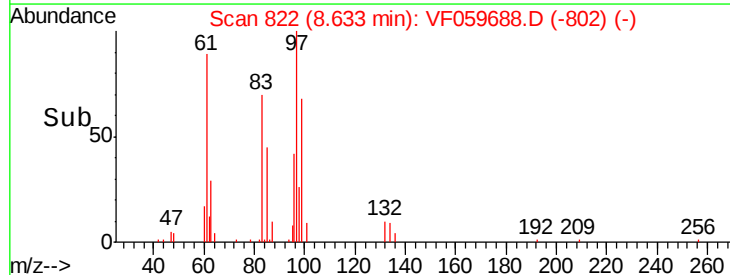
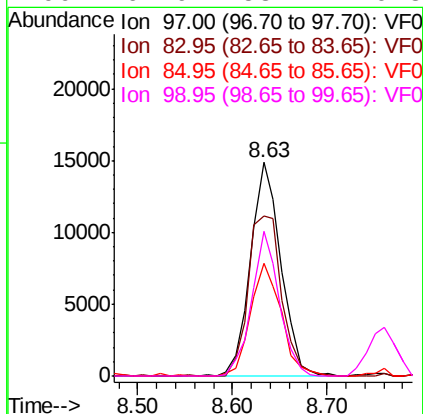
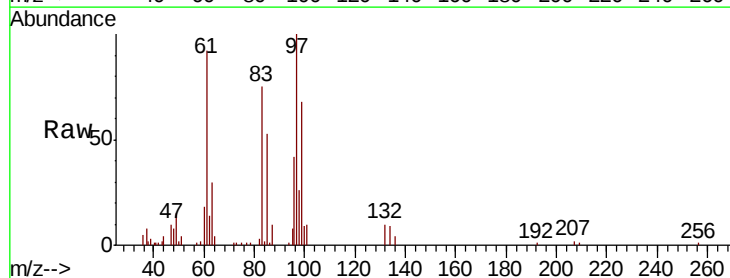
Tot Ion: 75 Resp: 74411  
 Ion Ratio Lower Upper  
 75 100  
 77 30.8 24.0 36.0  
 39 83.4 65.4 98.2

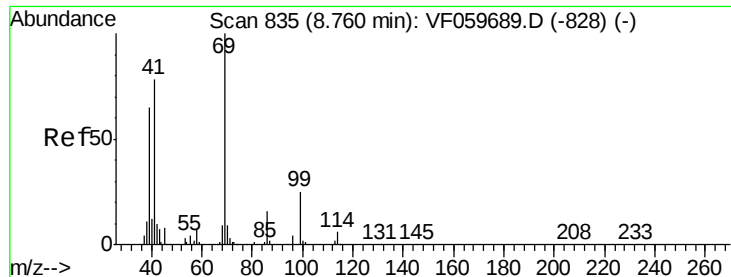


#55

1,1,2-Trichloroethane  
 Concen: 24.237 ug/l  
 RT: 8.63 min Scan# 822  
 Delta R.T. 0.00 min  
 Lab File: VF059688.D  
 Acq: 30 Jul 2018 15:02

Tgt Ion: 97 Resp: 33244  
 Ion Ratio Lower Upper  
 97 100  
 83 74.9 66.6 100.0  
 85 53.0 47.4 71.0  
 99 67.9 53.2 79.8

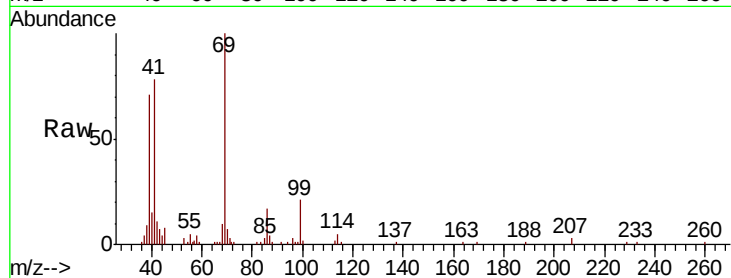




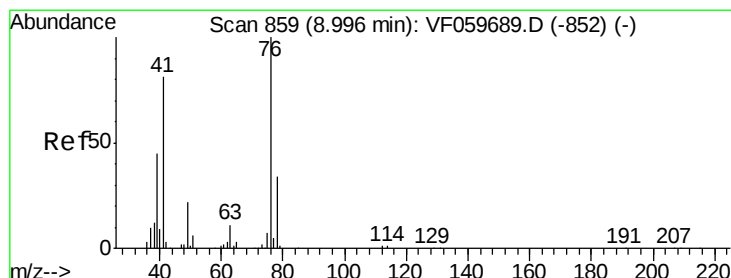
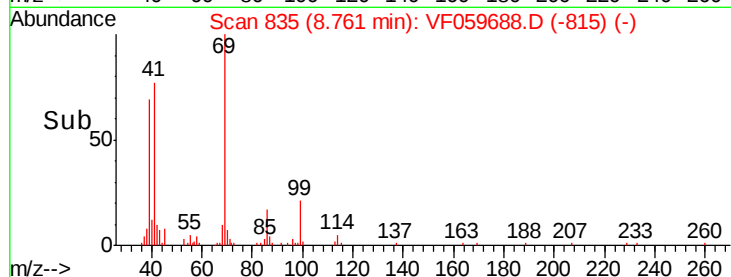
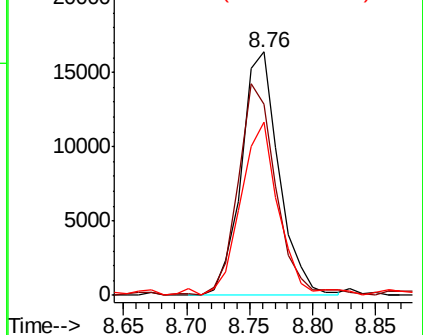
#56  
Ethyl methacrylate  
Concen: 23.383 ug/l  
RT: 8.76 min Scan# 835  
Delta R.T. 0.00 min  
Lab File: VF059688.D  
Acq: 30 Jul 2018 15:02

Instrument :  
MSVOA\_F  
ClientSampleId :

Tot Ion: 69 Resp: 34001  
Ion Ratio Lower Upper  
69 100  
41 78.3 62.3 93.5  
39 71.0 52.4 78.6

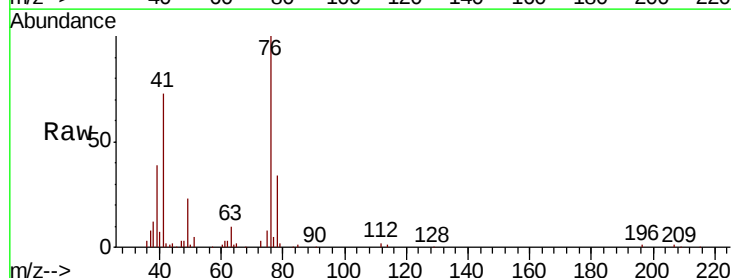


Abundance Ion 69.00 (68.70 to 69.70): VF0  
Ion 41.00 (40.70 to 41.70): VF0  
Ion 39.00 (38.70 to 39.70): VF0

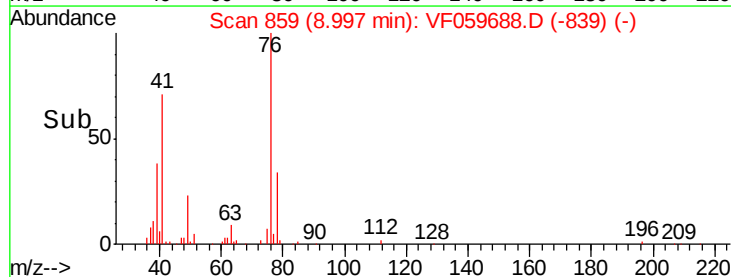
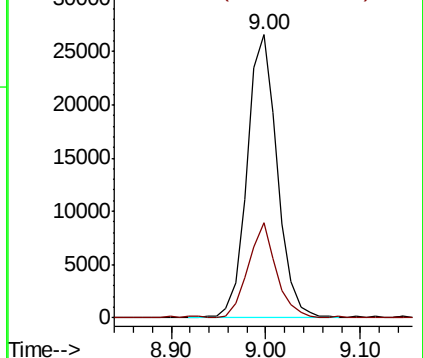


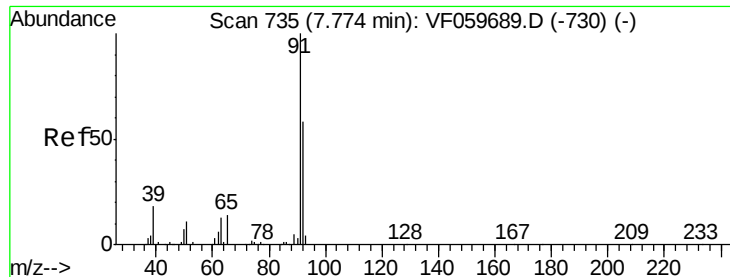
#57  
1,3-Dichloropropane  
Concen: 24.644 ug/l  
RT: 9.00 min Scan# 859  
Delta R.T. 0.00 min  
Lab File: VF059688.D  
Acq: 30 Jul 2018 15:02

Tgt Ion: 76 Resp: 58452  
Ion Ratio Lower Upper  
76 100  
78 33.6 27.2 40.8



Abundance Ion 76.00 (75.70 to 76.70): VF0  
Ion 78.00 (77.70 to 78.70): VF0





#58

2-Chloroethyl Vinyl ether

Concen: 117.654 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :

MSVOA\_F

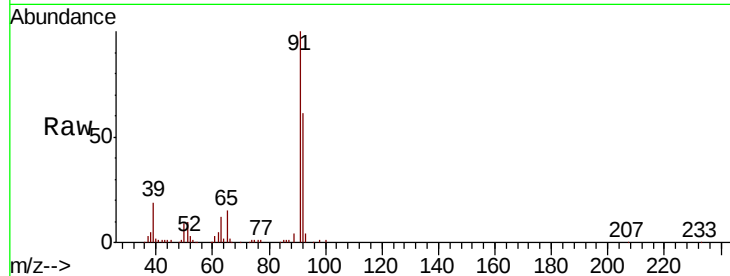
ClientSampleId :

Tot Ion: 63 Resp: 20656

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.78

8000

6000

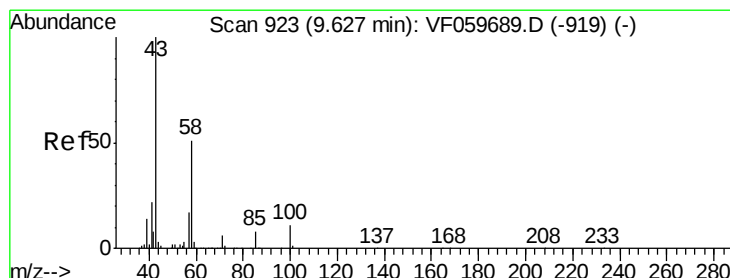
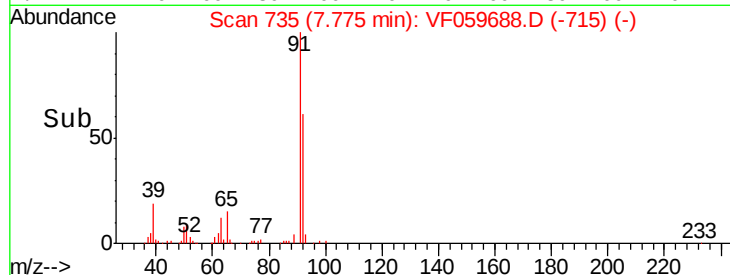
4000

2000

0

7.70 7.75 7.80 7.85 7.90

Time-->



#59

2-Hexanone

Concen: 127.305 ug/l

RT: 9.63 min Scan# 923

Delta R.T. 0.00 min

Lab File: VF059688.D

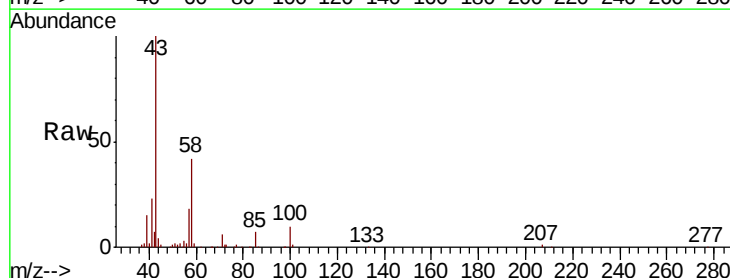
Acq: 30 Jul 2018 15:02

Tgt Ion: 43 Resp: 107441

Ion Ratio Lower Upper

43 100

58 42.4 23.3 69.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

9.63

60000

50000

40000

30000

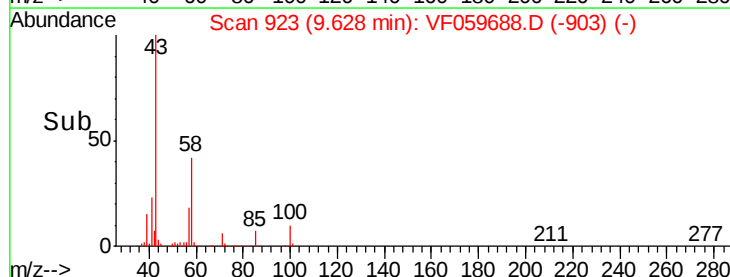
20000

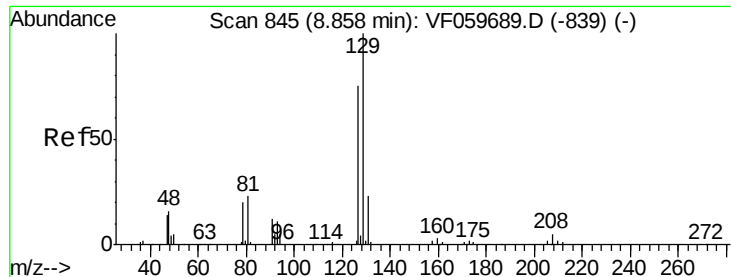
10000

0

9.55 9.60 9.65 9.70 9.75

Time-->





#60

Dibromochloromethane

Concen: 23.725 ug/l

RT: 8.86 min Scan# 845

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

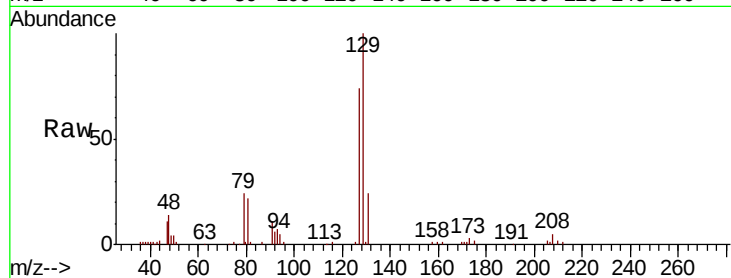
Instrument :  
MSVOA\_F  
ClientSampleId :

Tot Ion:129 Resp: 58706

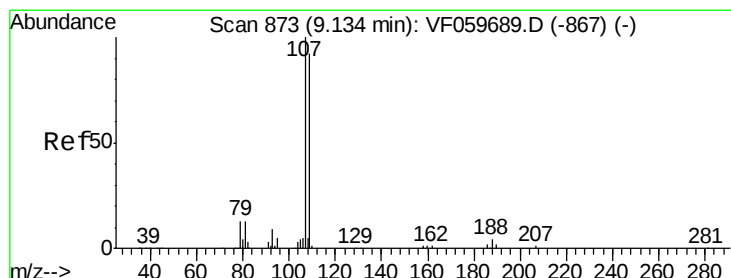
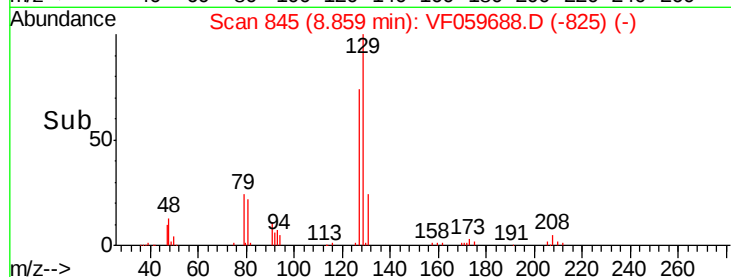
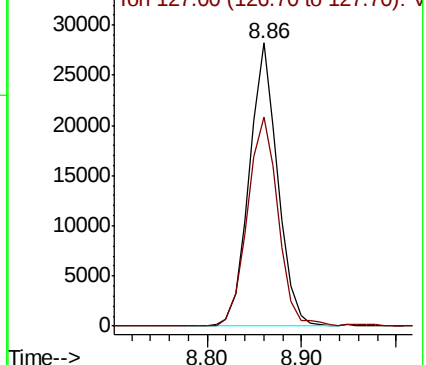
Ion Ratio Lower Upper

129 100

127 74.0 37.7 113.1



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



#61

1,2-Dibromoethane

Concen: 24.090 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF059688.D

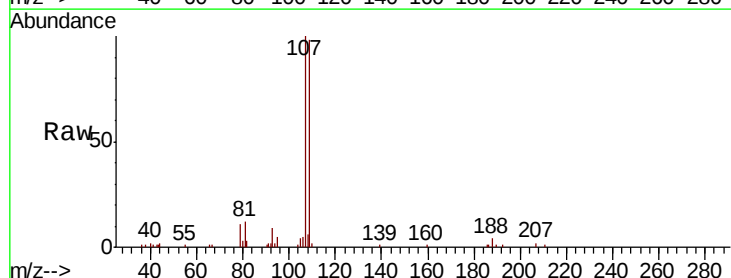
Acq: 30 Jul 2018 15:02

Tgt Ion:107 Resp: 39957

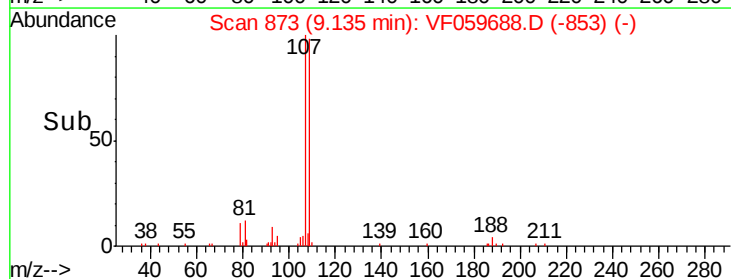
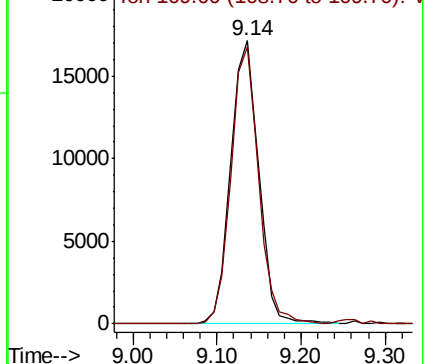
Ion Ratio Lower Upper

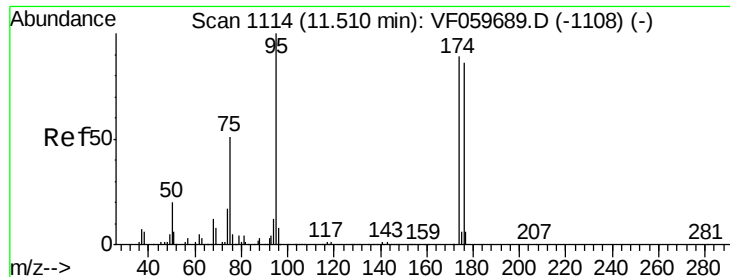
107 100

109 97.9 73.6 110.4



Abundance Ion 107.00 (106.70 to 107.70): V  
Ion 109.00 (108.70 to 109.70): V





#62

4-Bromofluorobenzene

Concen: 21.334 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :

MSVOA\_F

ClientSampleId :

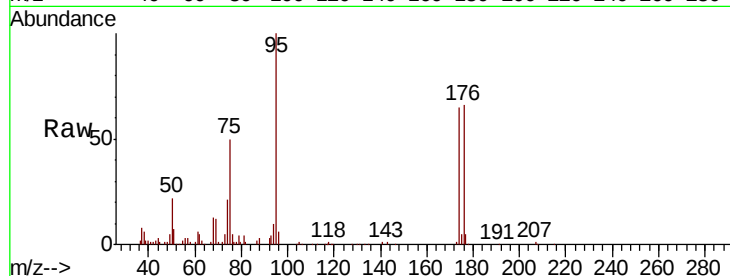
Tot Ion: 95 Resp: 77084

Ion Ratio Lower Upper

95 100

174 64.6 0.0 178.4

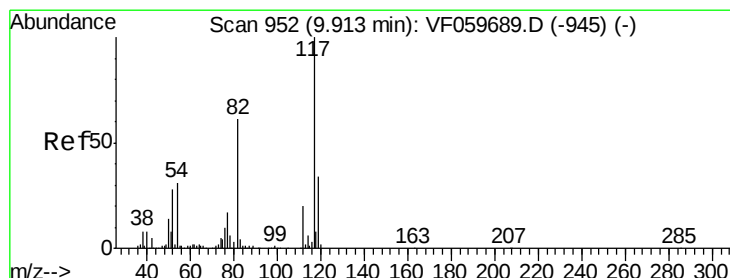
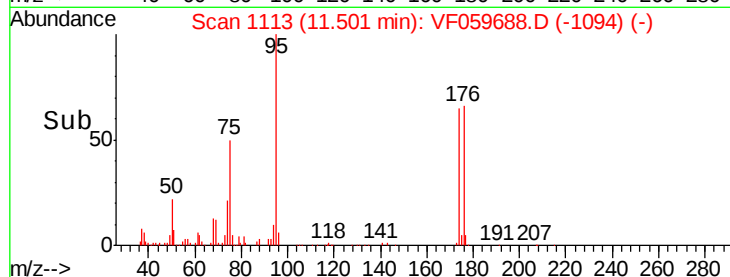
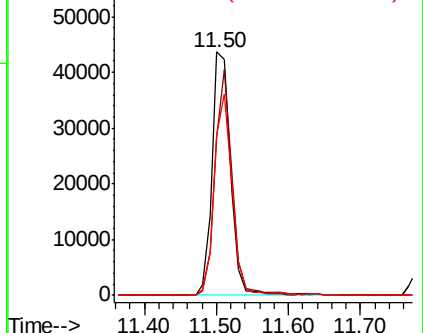
176 65.9 0.0 173.0



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 952

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

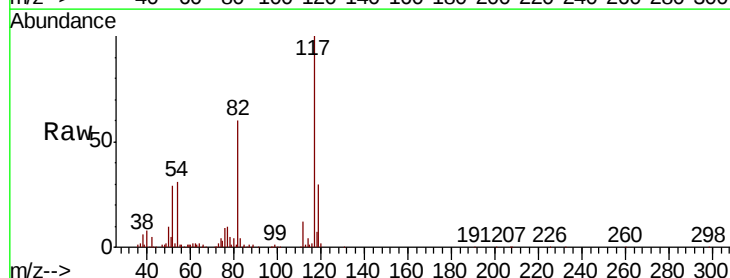
Tgt Ion: 117 Resp: 283822

Ion Ratio Lower Upper

117 100

82 59.9 49.0 73.4

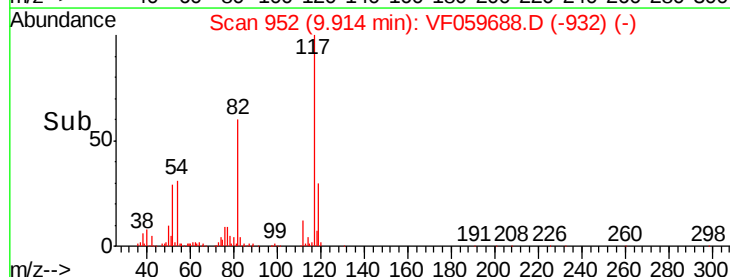
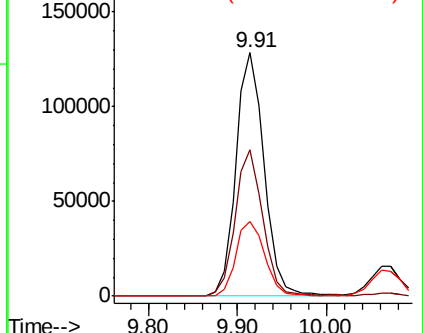
119 30.5 27.3 40.9

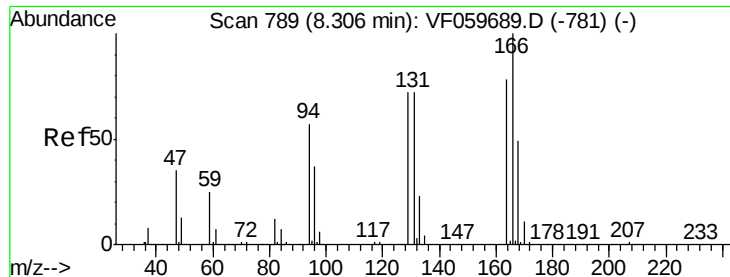


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#64

Tetrachloroethene

Concen: 20.176 ug/l

RT: 8.30 min Scan# 788

Delta R.T. -0.01 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :  
MSVOA\_F  
ClientSampleId :

Tot Ion:164 Resp: 45629

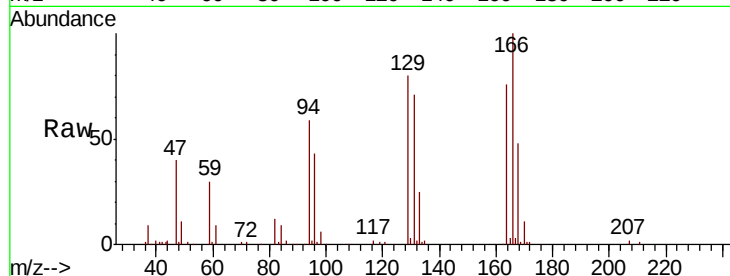
Ion Ratio Lower Upper

164 100

166 131.3 102.1 153.1

129 104.9 73.8 110.6

131 93.1 73.1 109.7



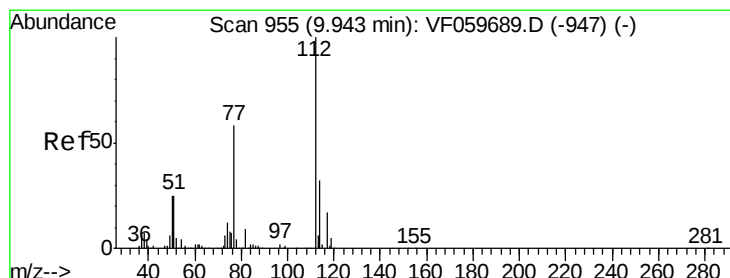
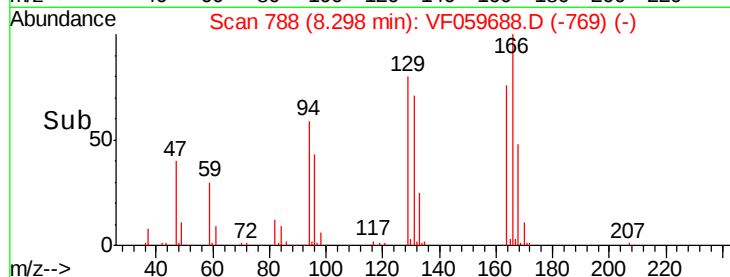
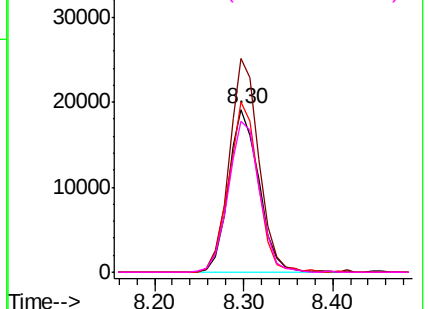
Abundance

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: 21.602 ug/l

RT: 9.93 min Scan# 954

Delta R.T. -0.01 min

Lab File: VF059688.D

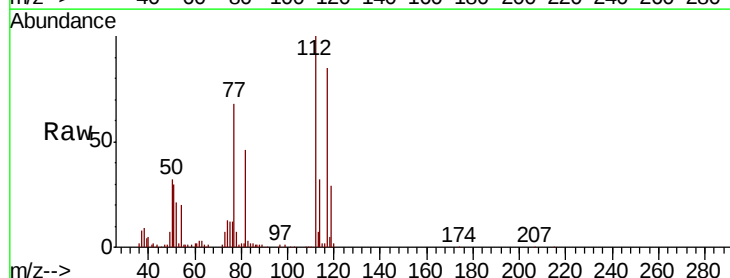
Acq: 30 Jul 2018 15:02

Tgt Ion:112 Resp: 119121

Ion Ratio Lower Upper

112 100

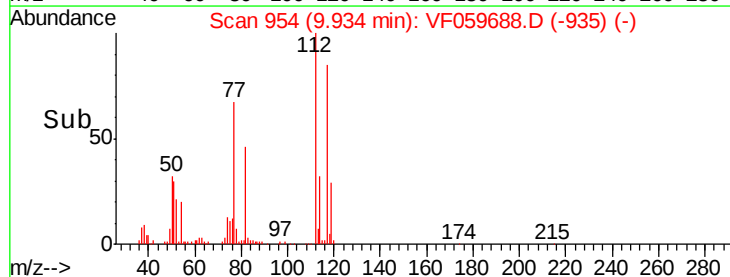
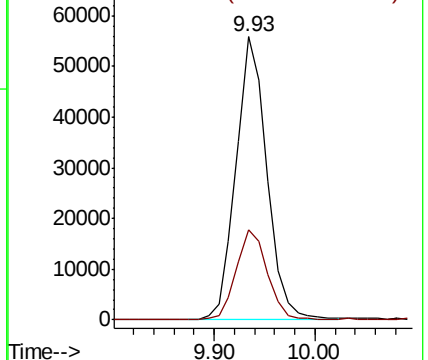
114 31.8 25.6 38.4

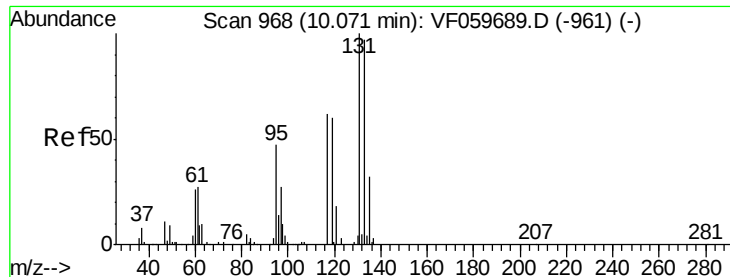


Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#66

1,1,1,2-Tetrachloroethane

Concen: 22.249 ug/l

RT: 10.06 min Scan# 967

Delta R.T. -0.01 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :

MSVOA\_F

ClientSampleId :

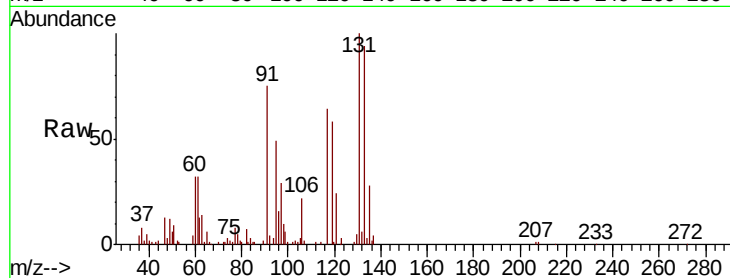
Tot Ion:131 Resp: 56468

Ion Ratio Lower Upper

131 100

133 93.7 48.5 145.5

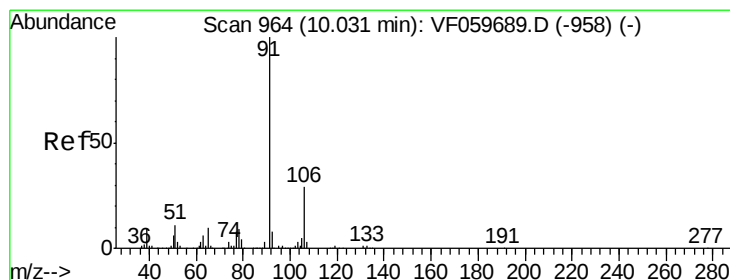
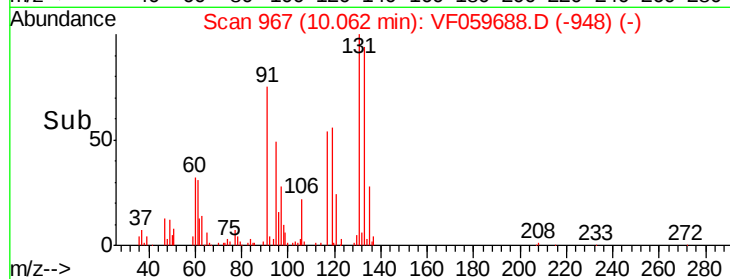
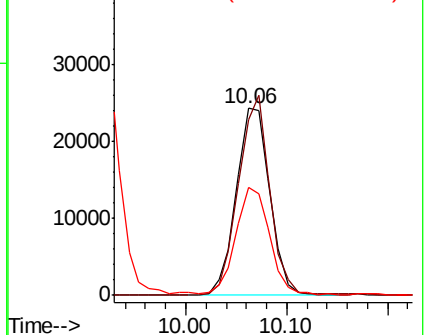
119 57.9 30.3 90.8



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#67

Ethyl Benzene

Concen: 21.426 ug/l

RT: 10.03 min Scan# 964

Delta R.T. 0.00 min

Lab File: VF059688.D

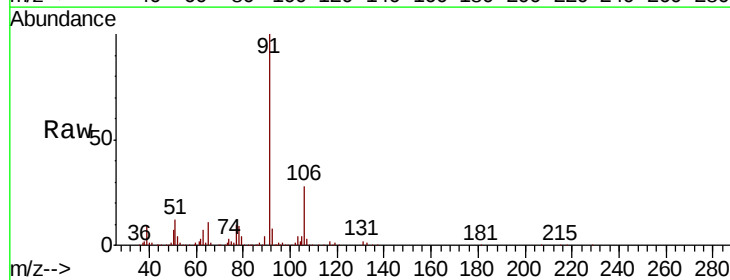
Acq: 30 Jul 2018 15:02

Tgt Ion: 91 Resp: 214252

Ion Ratio Lower Upper

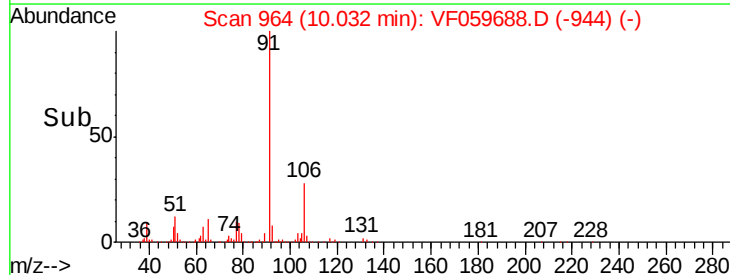
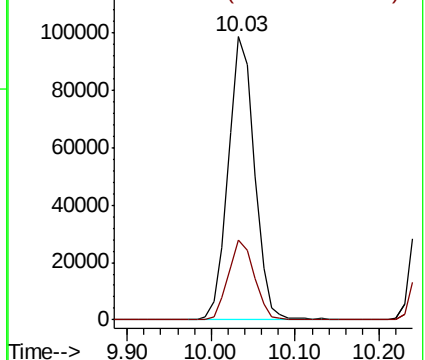
91 100

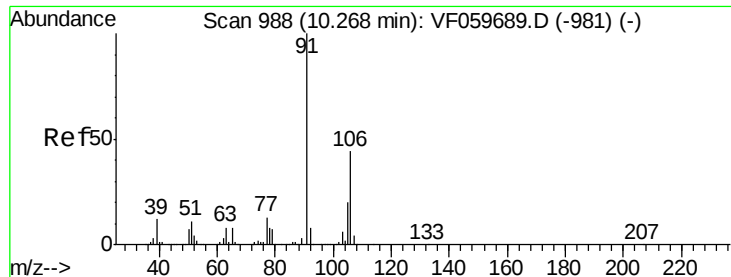
106 28.0 22.9 34.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

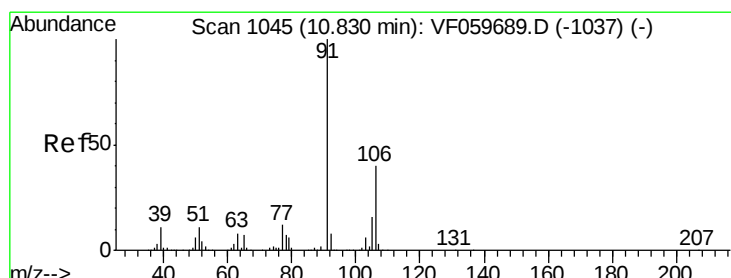
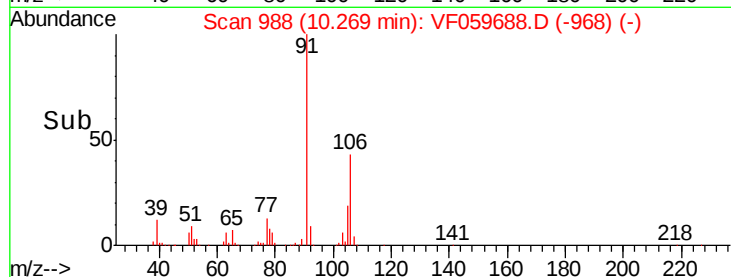
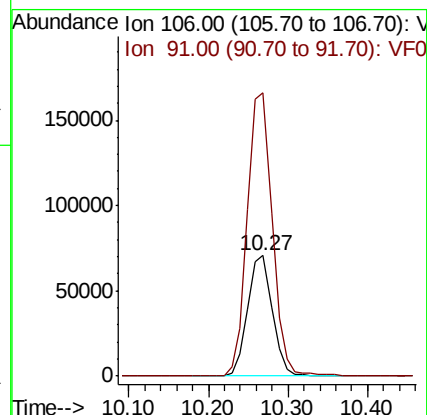
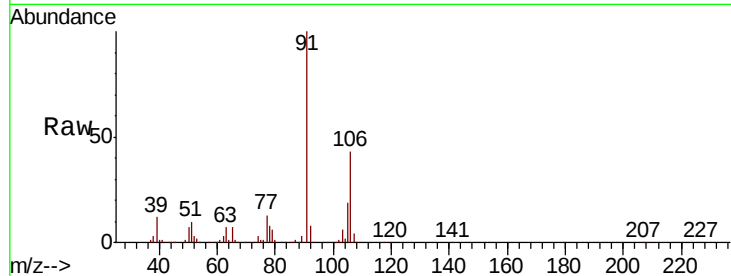




#68  
m/p-Xylenes  
Concen: 43.711 ug/l  
RT: 10.27 min Scan# 988  
Delta R.T. 0.00 min  
Lab File: VF059688.D  
Acq: 30 Jul 2018 15:02

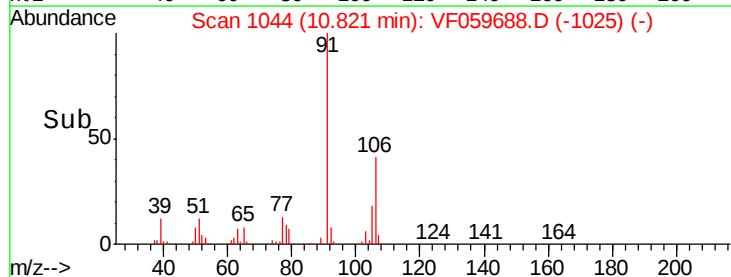
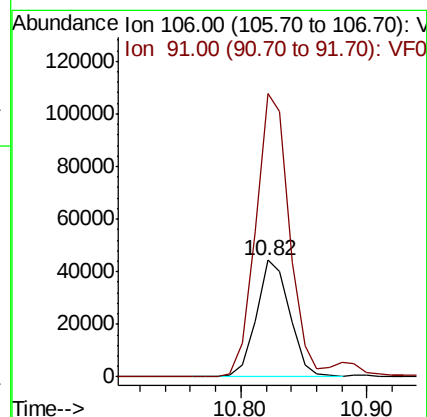
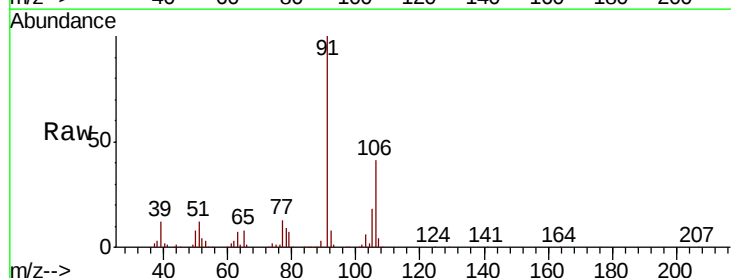
Instrument :  
MSVOA\_F  
ClientSampled :

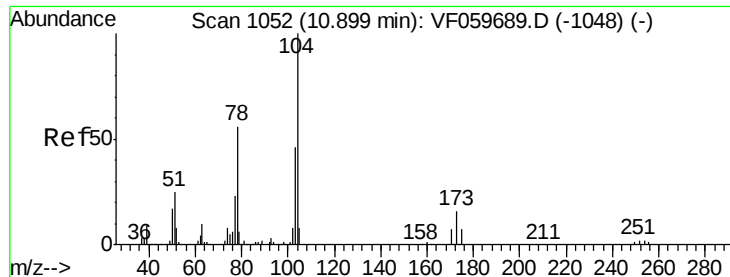
Tot Ion:106 Resp: 151267  
Ion Ratio Lower Upper  
106 100  
91 235.1 181.7 272.5



#69  
o-Xylene  
Concen: 21.868 ug/l  
RT: 10.82 min Scan# 1044  
Delta R.T. -0.01 min  
Lab File: VF059688.D  
Acq: 30 Jul 2018 15:02

Tgt Ion:106 Resp: 81725  
Ion Ratio Lower Upper  
106 100  
91 242.7 124.6 373.7





#70

Stvrene

Concen: 22.050 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :

MSVOA\_F

ClientSampleId :

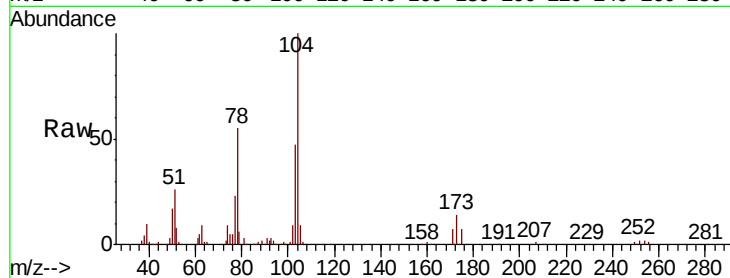
Tot Ion:104 Resp: 119844

Ion Ratio Lower Upper

104 100

78 55.2 45.3 67.9

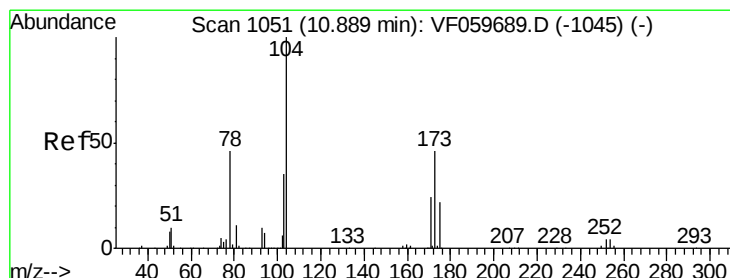
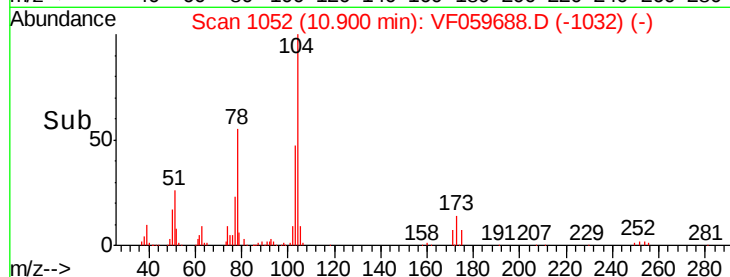
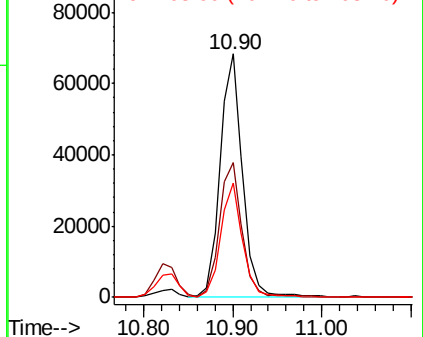
103 47.2 36.6 54.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VF0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 22.785 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

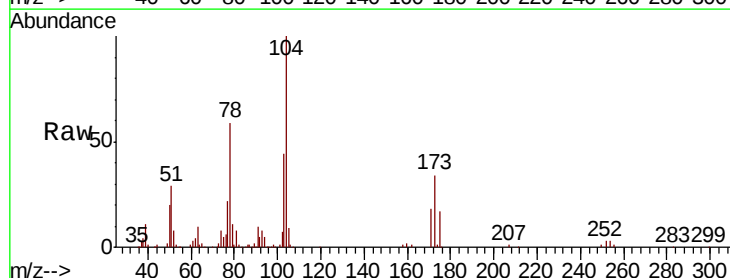
Tgt Ion:173 Resp: 35660

Ion Ratio Lower Upper

173 100

175 48.9 23.4 70.0

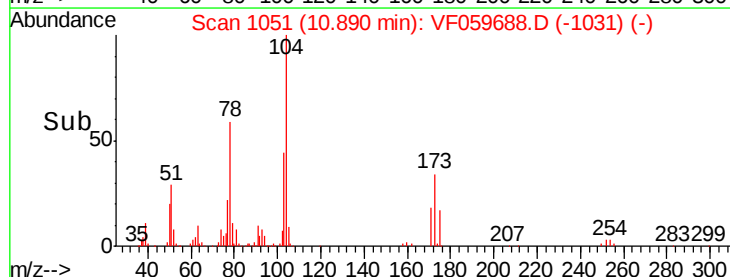
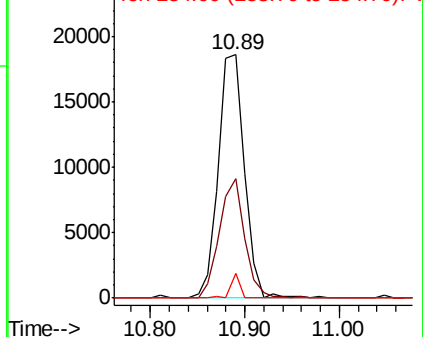
254 9.9 0.0 0.0#

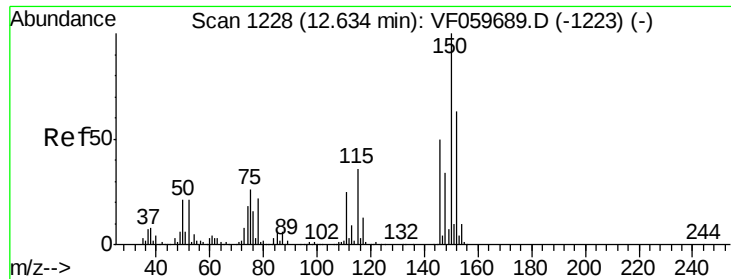


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



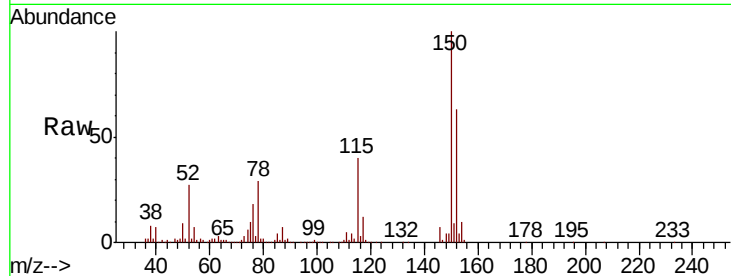


#72

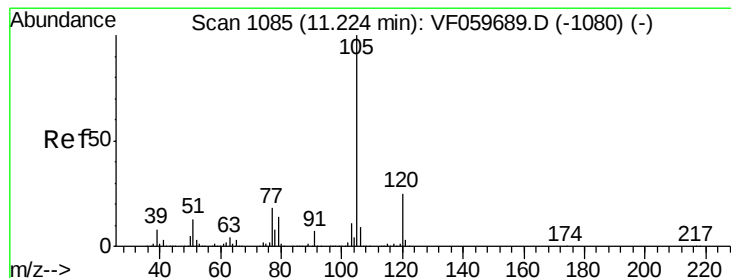
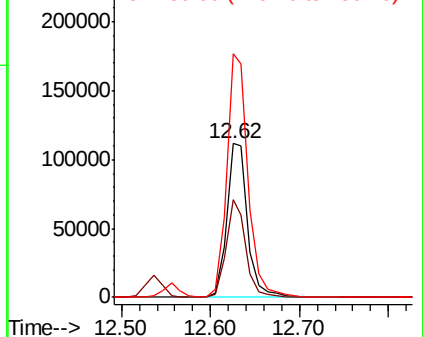
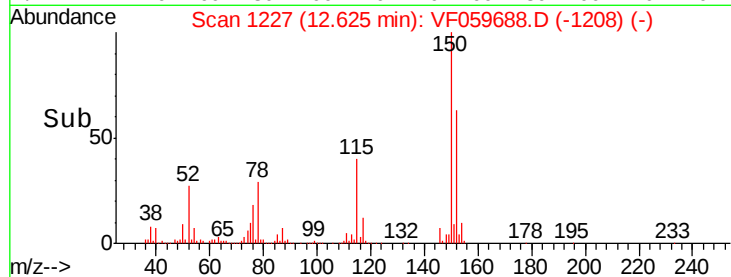
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.62 min Scan# 1227  
Delta R.T. -0.01 min  
Lab File: VF059688.D  
Acq: 30 Jul 2018 15:02

Instrument :  
MSVOA\_F  
ClientSampled :

Tot Ion:152 Resp: 184578  
Ion Ratio Lower Upper  
152 100  
115 63.4 28.2 84.6  
150 158.6 0.0 316.2



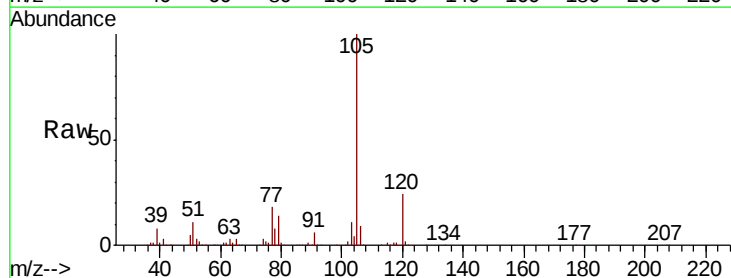
Abundance Ion 152.00 (151.70 to 152.70): V  
Ion 115.00 (114.70 to 115.70): V  
Ion 150.00 (149.70 to 150.70): V



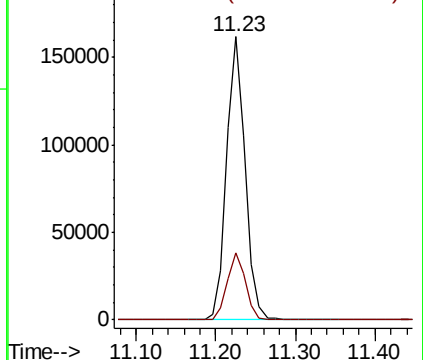
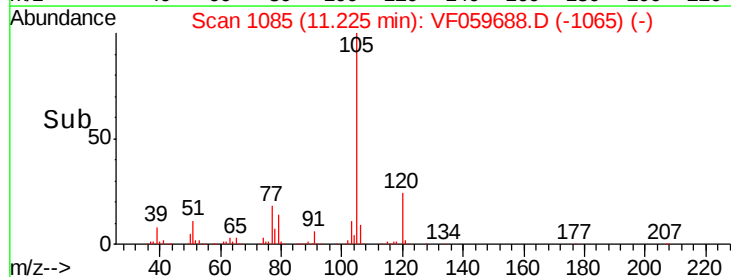
#73

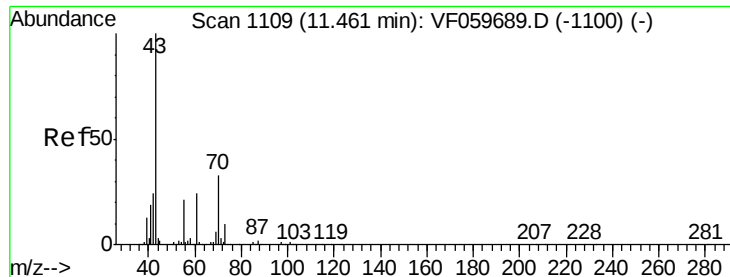
Isopropylbenzene  
Concen: 21.261 ug/l  
RT: 11.23 min Scan# 1085  
Delta R.T. 0.00 min  
Lab File: VF059688.D  
Acq: 30 Jul 2018 15:02

Tgt Ion:105 Resp: 267865  
Ion Ratio Lower Upper  
105 100  
120 23.6 12.4 37.4



Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 23.912 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :

MSVOA\_F

ClientSampleId :

Tot Ion: 43 Resp: 61743

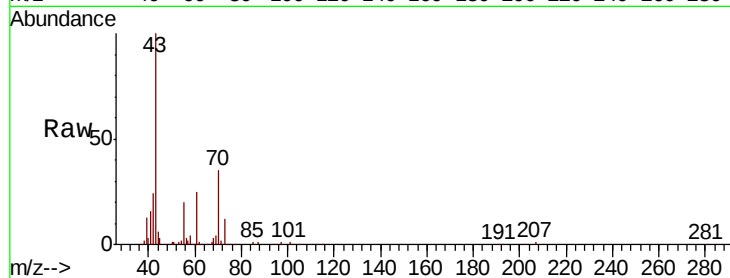
Ion Ratio Lower Upper

43 100

70 35.0 26.3 39.5

55 19.9 16.6 25.0

61 24.6 19.1 28.7



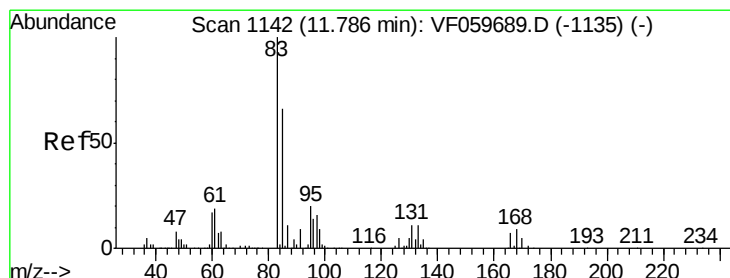
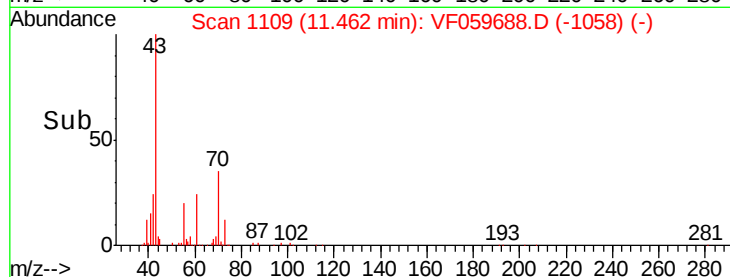
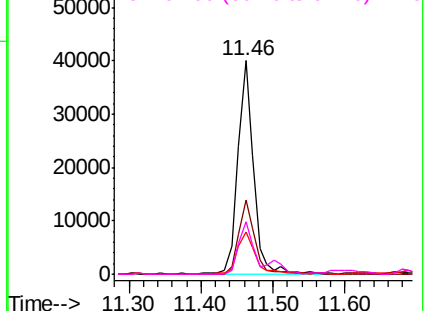
Abundance

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: 23.215 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

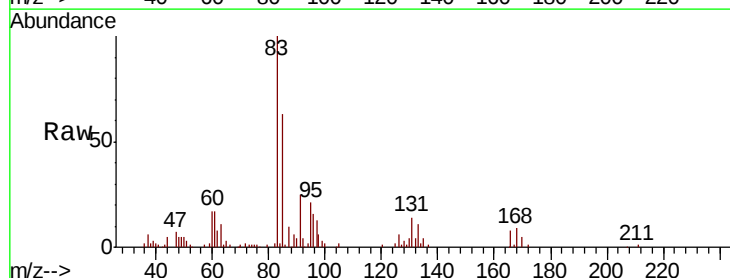
Tgt Ion: 83 Resp: 48030

Ion Ratio Lower Upper

83 100

131 14.5 5.8 17.3

85 63.2 32.8 98.3

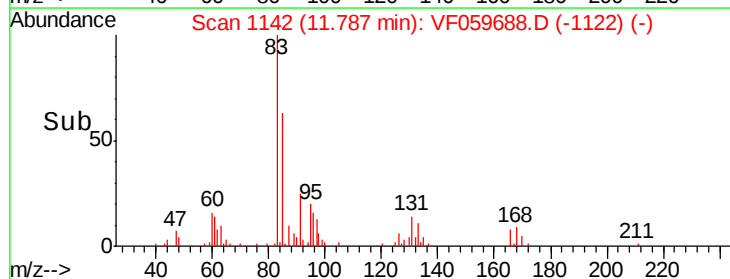
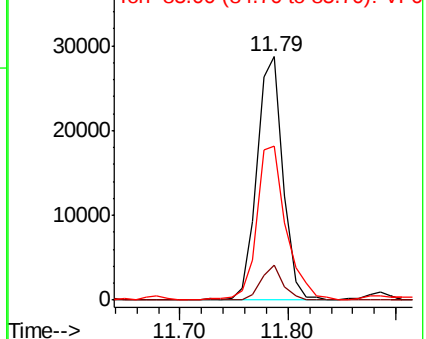


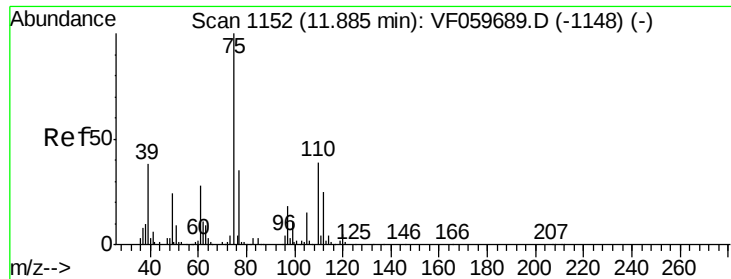
Abundance

Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0





#76

1,2,3-Trichloropropane

Concen: 24.289 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :

MSVOA\_F

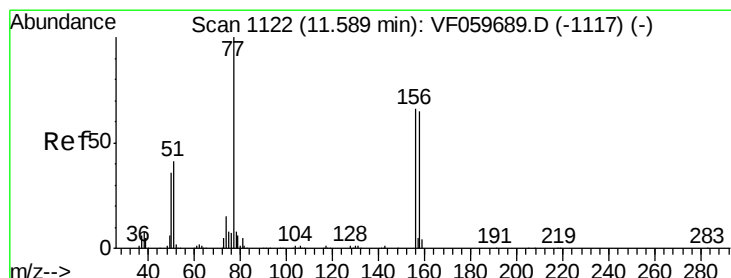
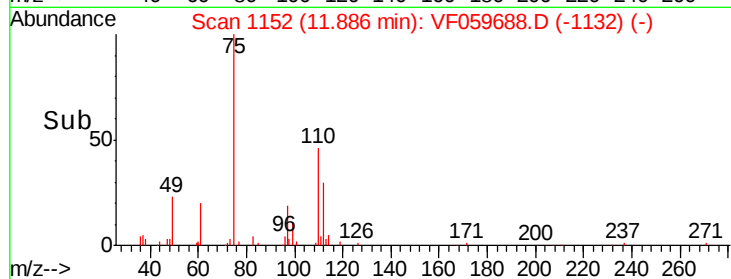
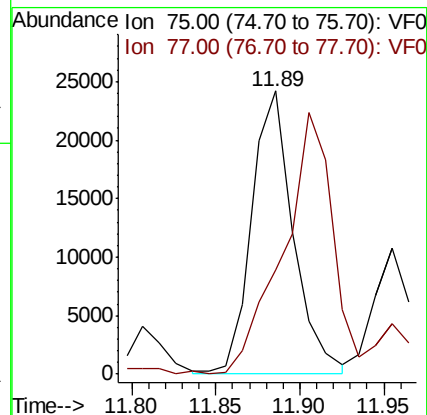
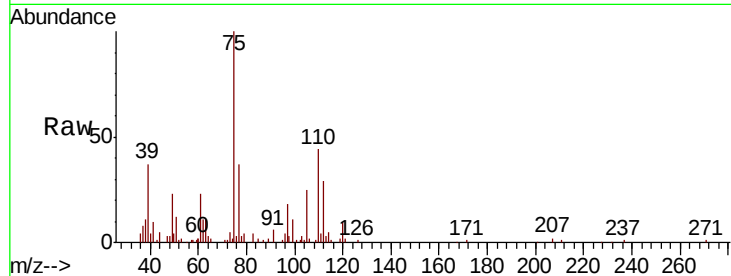
ClientSampled :

Tot Ion: 75 Resp: 41270

Ion Ratio Lower Upper

75 100

77 36.7 18.0 54.0



#77

Bromobenzene

Concen: 22.000 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

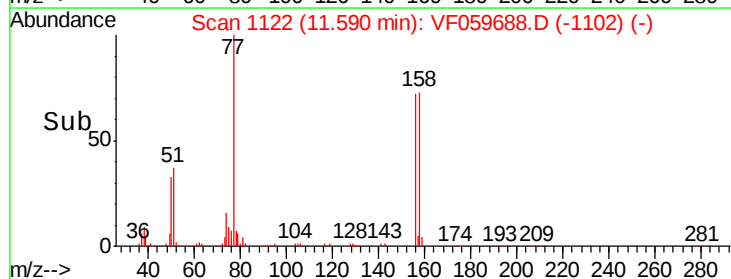
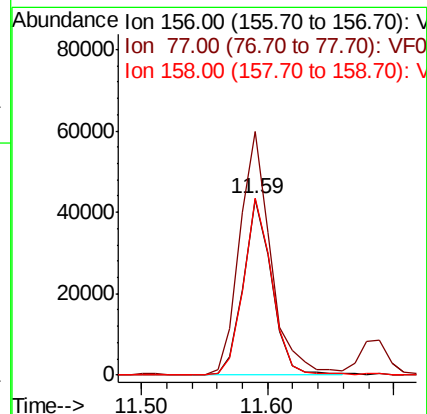
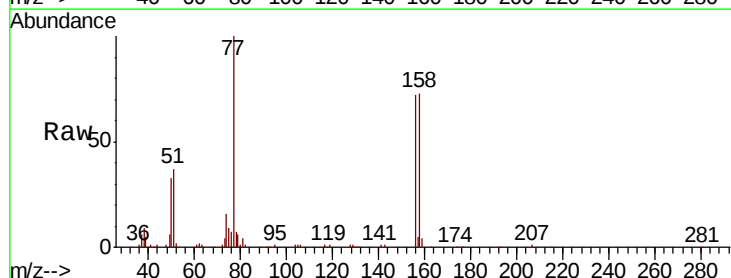
Tgt Ion: 156 Resp: 67278

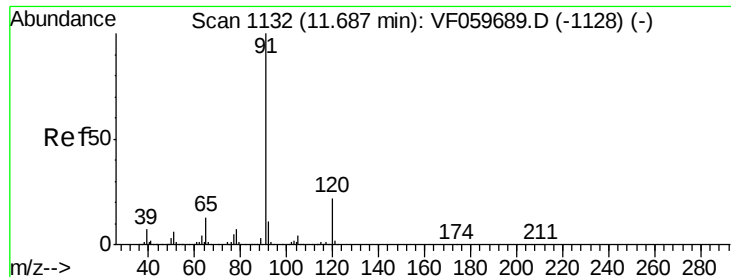
Ion Ratio Lower Upper

156 100

77 138.5 75.2 225.6

158 101.0 49.1 147.3

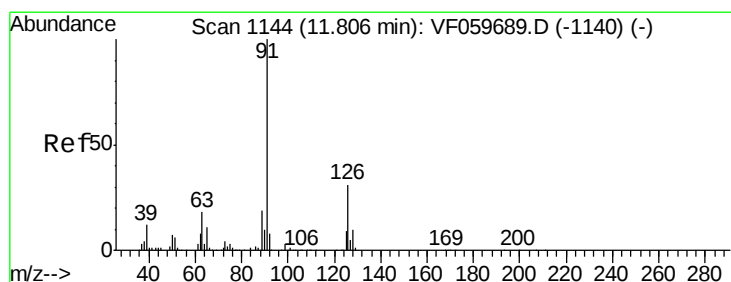
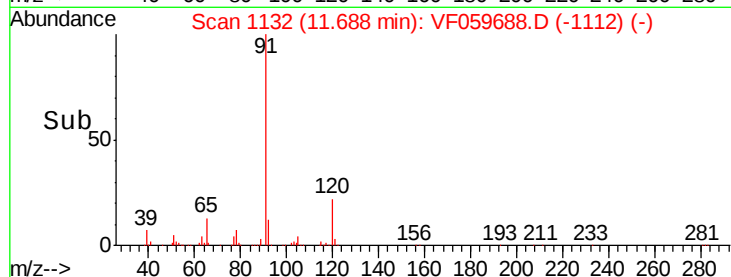
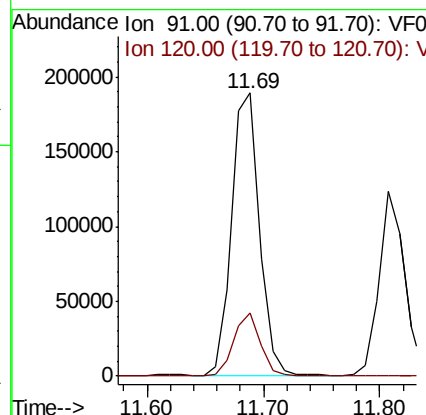
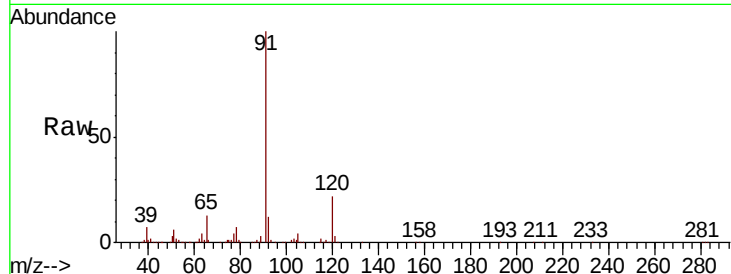




#78  
n-propylbenzene  
Concen: 21.593 ug/l  
RT: 11.69 min Scan# 1132  
Delta R.T. 0.00 min  
Lab File: VF059688.D  
Acq: 30 Jul 2018 15:02

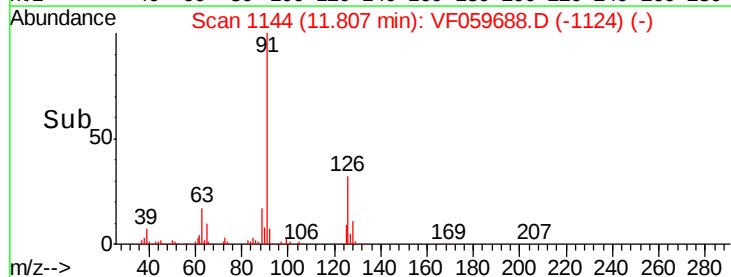
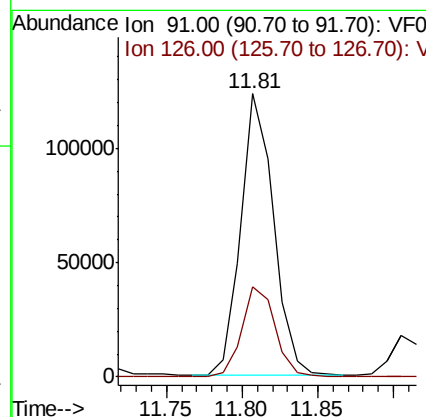
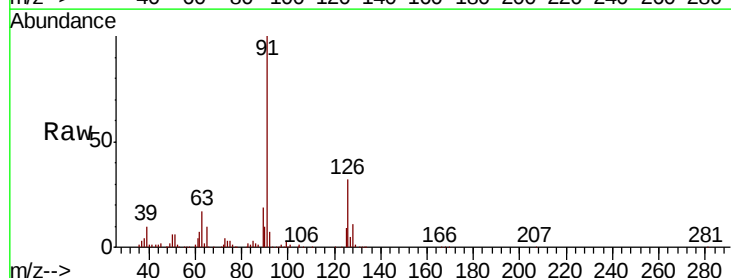
Instrument :  
MSVOA\_F  
ClientSampleId :

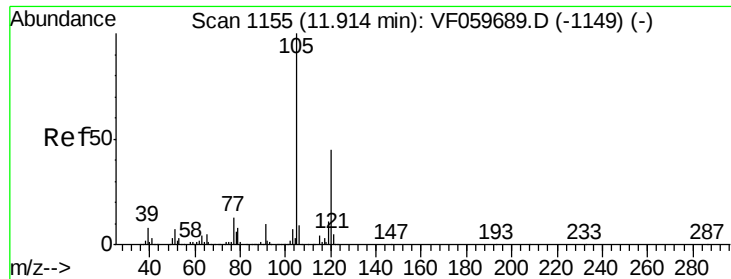
Tot Ion: 91 Resp: 313418  
Ion Ratio Lower Upper  
91 100  
120 22.2 11.0 33.0



#79  
2-Chlorotoluene  
Concen: 21.067 ug/l  
RT: 11.81 min Scan# 1144  
Delta R.T. 0.00 min  
Lab File: VF059688.D  
Acq: 30 Jul 2018 15:02

Tgt Ion: 91 Resp: 186092  
Ion Ratio Lower Upper  
91 100  
126 31.6 15.4 46.2

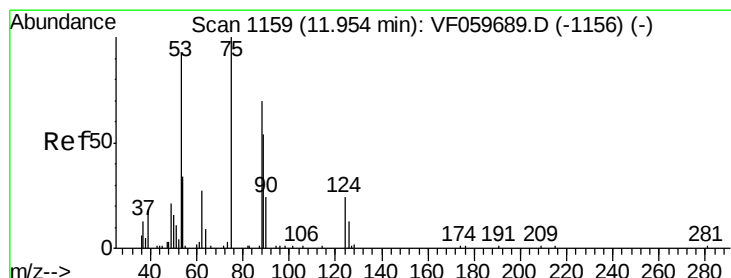
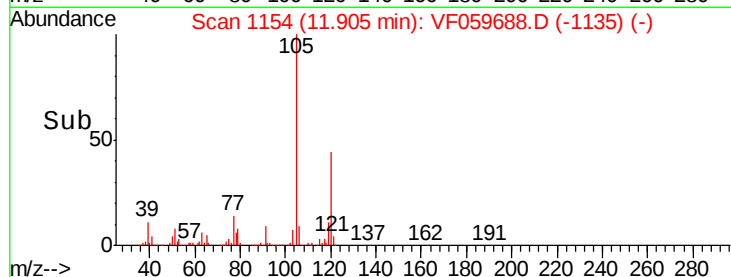
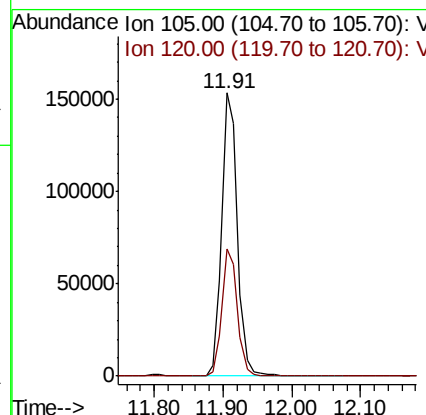
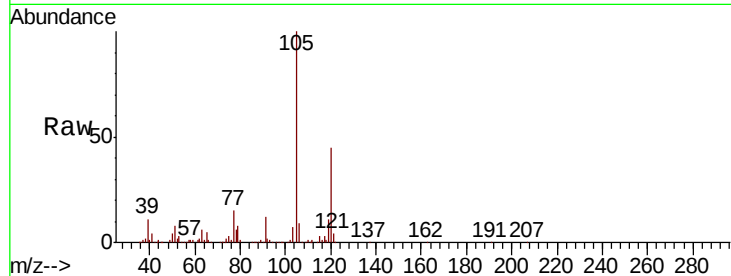




#80  
 1,3,5-Trimethylbenzene  
 Concen: 21.840 ug/l  
 RT: 11.91 min Scan# 1154  
 Delta R.T. -0.01 min  
 Lab File: VF059688.D  
 Acq: 30 Jul 2018 15:02

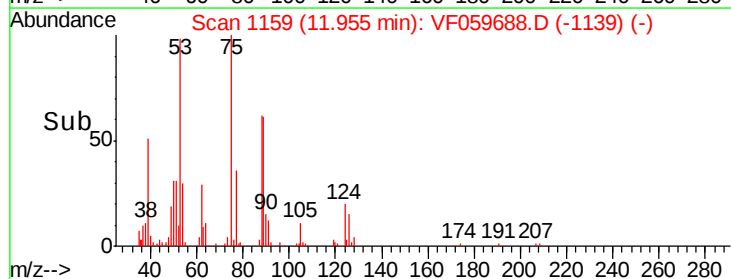
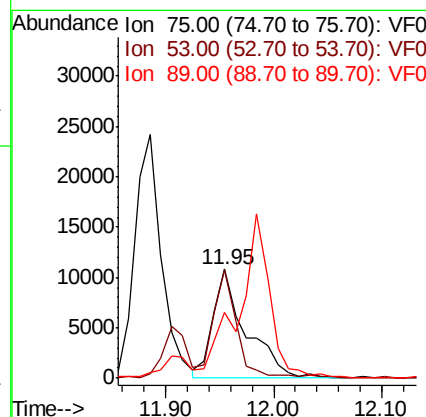
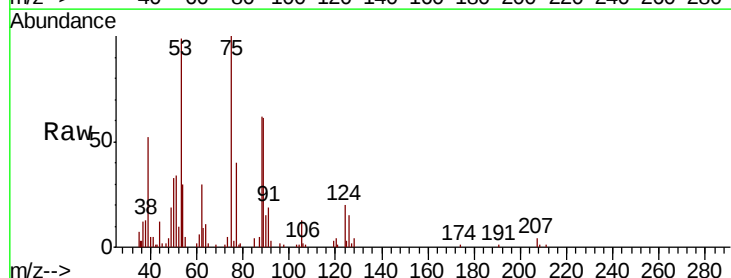
Instrument :  
 MSVOA\_F  
 ClientSampleId :

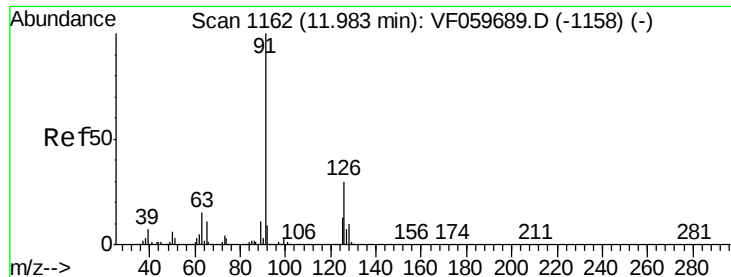
Tot Ion:105 Resp: 241520  
 Ion Ratio Lower Upper  
 105 100  
 120 45.0 22.7 68.0



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 26.225 ug/l  
 RT: 11.95 min Scan# 1159  
 Delta R.T. 0.00 min  
 Lab File: VF059688.D  
 Acq: 30 Jul 2018 15:02

Tgt Ion: 75 Resp: 23137  
 Ion Ratio Lower Upper  
 75 100  
 53 99.2 78.3 117.5  
 89 60.7 45.4 68.2

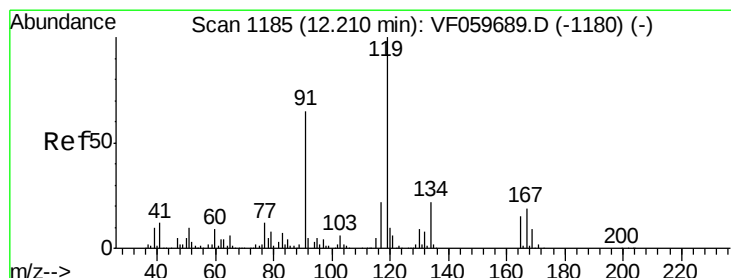
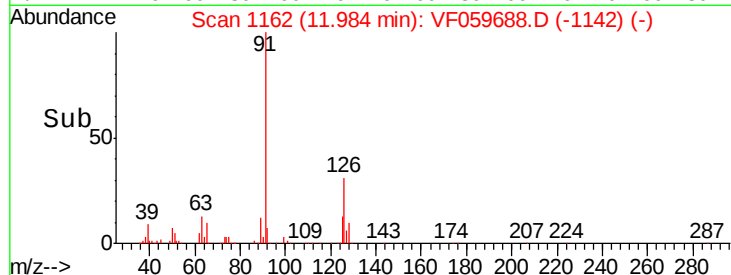
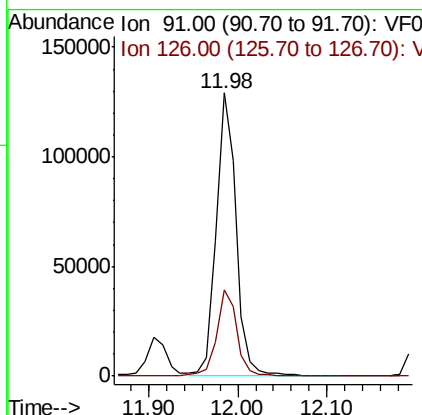
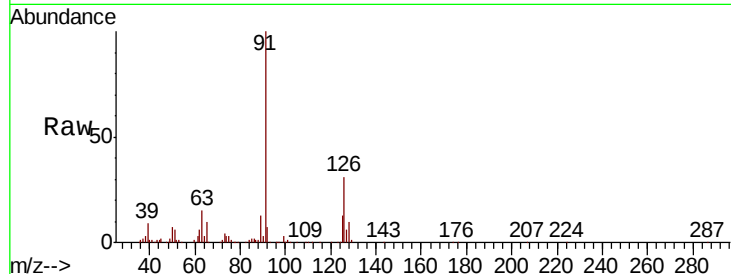




#82  
4-Chlorotoluene  
Concen: 21.473 ug/l  
RT: 11.98 min Scan# 1162  
Delta R.T. 0.00 min  
Lab File: VF059688.D  
Acq: 30 Jul 2018 15:02

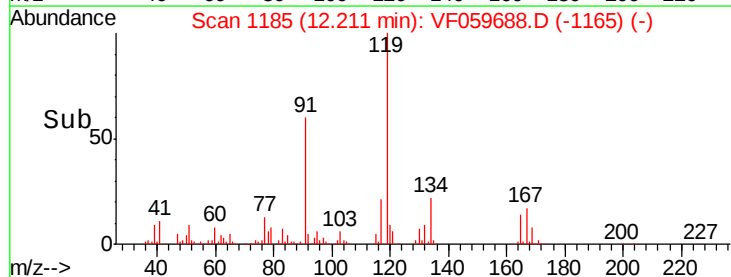
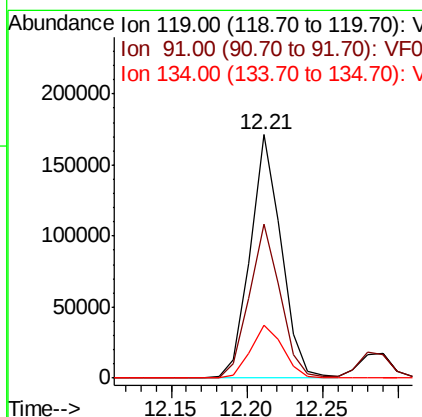
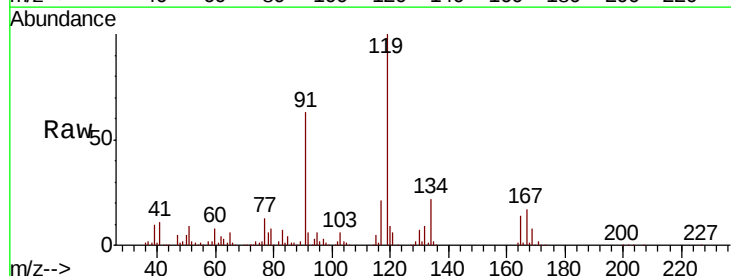
Instrument :  
MSVOA\_F  
ClientSampled :

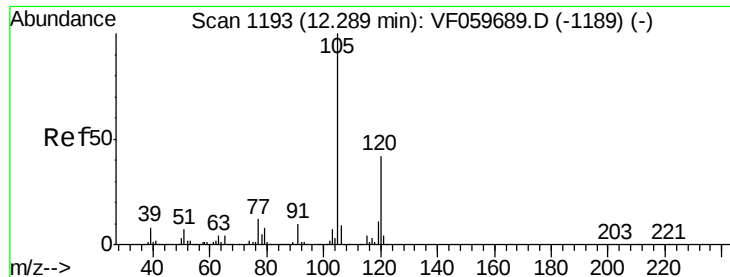
Tot Ion: 91 Resp: 199869  
Ion Ratio Lower Upper  
91 100  
126 30.5 15.2 45.6



#83  
tert-Butylbenzene  
Concen: 21.959 ug/l  
RT: 12.21 min Scan# 1185  
Delta R.T. 0.00 min  
Lab File: VF059688.D  
Acq: 30 Jul 2018 15:02

Tgt Ion: 119 Resp: 245402  
Ion Ratio Lower Upper  
119 100  
91 63.4 32.8 98.4  
134 21.8 10.9 32.7

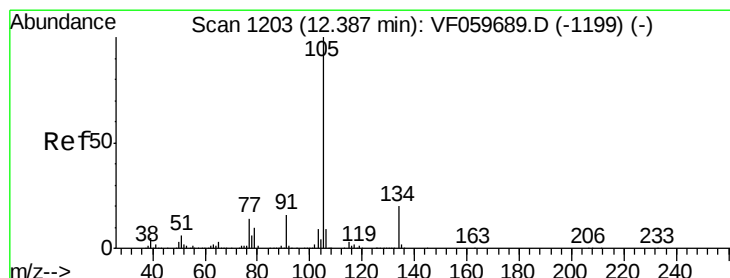
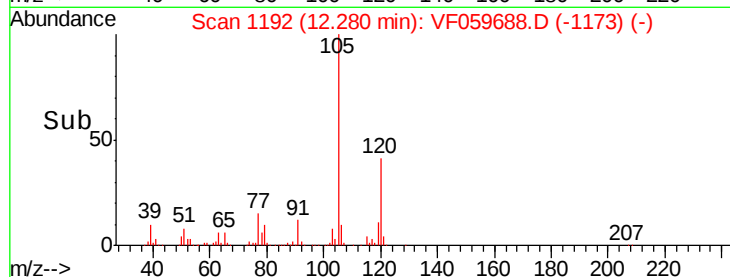
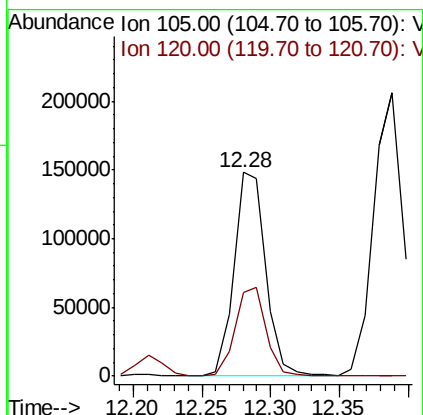
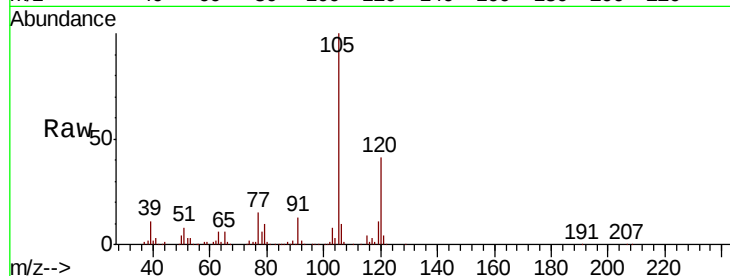




#84  
 1,2,4-Trimethylbenzene  
 Concen: 20.928 ug/l  
 RT: 12.28 min Scan# 1192  
 Delta R.T. -0.01 min  
 Lab File: VF059688.D  
 Acq: 30 Jul 2018 15:02

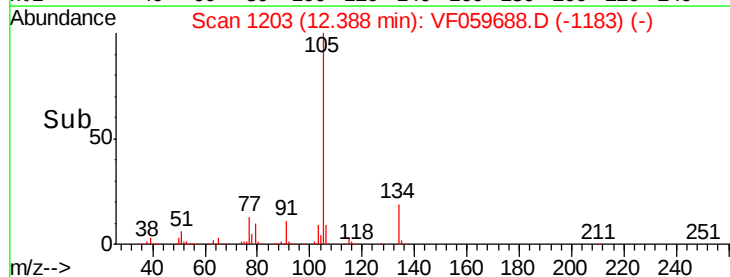
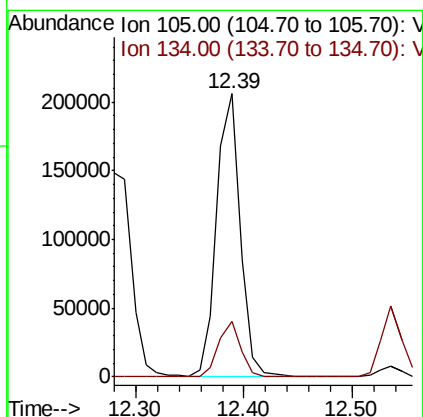
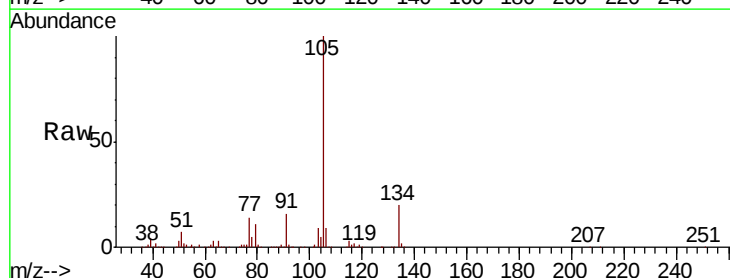
Instrument :  
 MSVOA\_F  
 ClientSampleId :

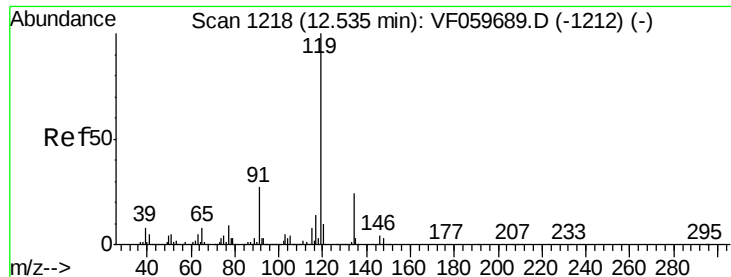
Tot Ion:105 Resp: 237786  
 Ion Ratio Lower Upper  
 105 100  
 120 41.3 21.1 63.3



#85  
 sec-Butylbenzene  
 Concen: 21.211 ug/l  
 RT: 12.39 min Scan# 1203  
 Delta R.T. 0.00 min  
 Lab File: VF059688.D  
 Acq: 30 Jul 2018 15:02

Tgt Ion:105 Resp: 311875  
 Ion Ratio Lower Upper  
 105 100  
 134 19.7 9.8 29.3

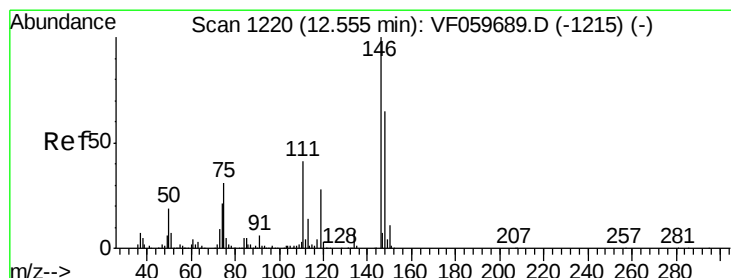
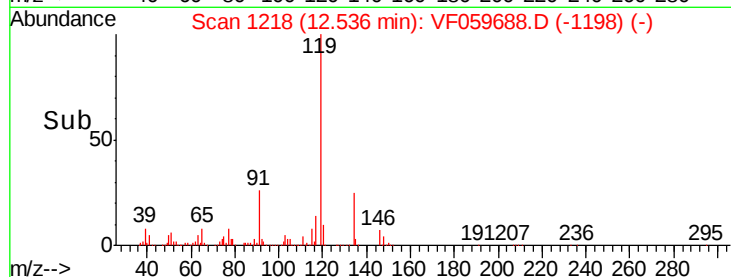
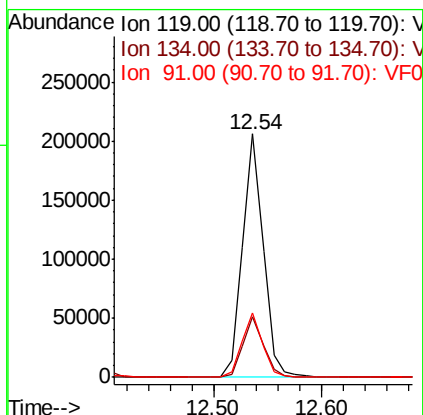
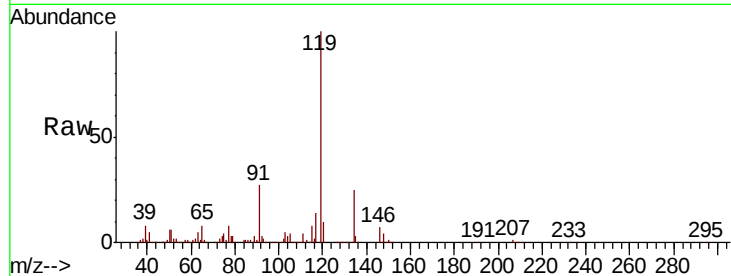




#86  
 p-Isopropyltoluene  
 Concen: 21.789 ug/l  
 RT: 12.54 min Scan# 1218  
 Delta R.T. 0.00 min  
 Lab File: VF059688.D  
 Acq: 30 Jul 2018 15:02

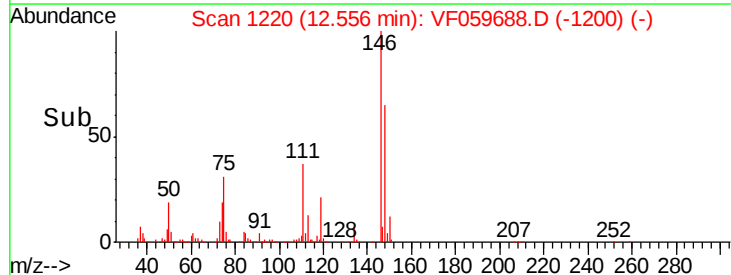
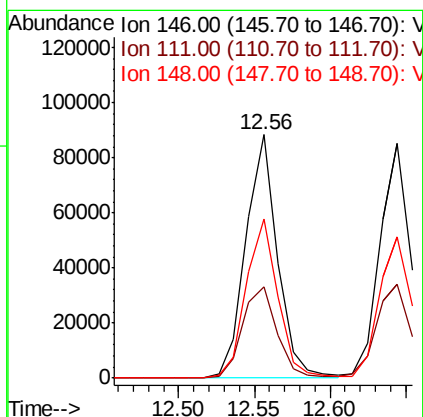
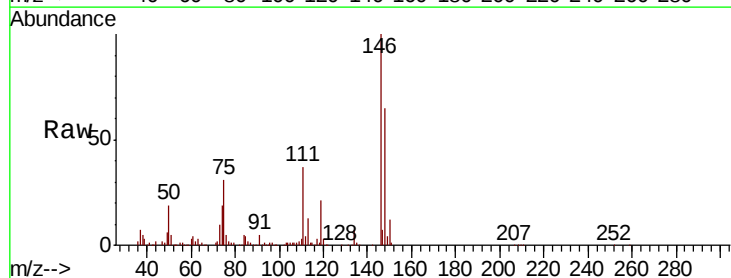
Instrument :  
 MSVOA\_F  
 ClientSampled :

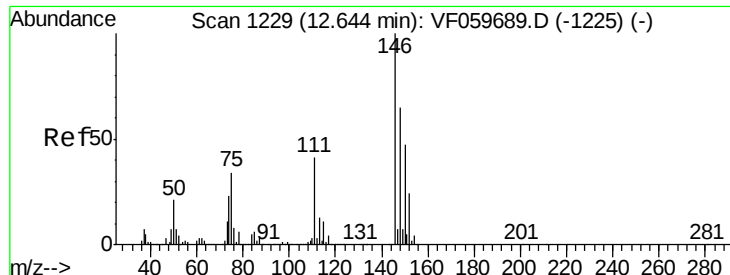
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 25.0  | 12.2  | 36.6  |
| 91      | 26.6  | 13.4  | 40.2  |



#87  
 1,3-Dichlorobenzene  
 Concen: 21.707 ug/l  
 RT: 12.56 min Scan# 1220  
 Delta R.T. 0.00 min  
 Lab File: VF059688.D  
 Acq: 30 Jul 2018 15:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.4  | 20.7  | 62.1  |
| 148     | 65.4  | 32.3  | 96.8  |





#88

1,4-Dichlorobenzene

Concen: 22.281 ug/l

RT: 12.64 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :

MSVOA\_F

ClientSampleId :

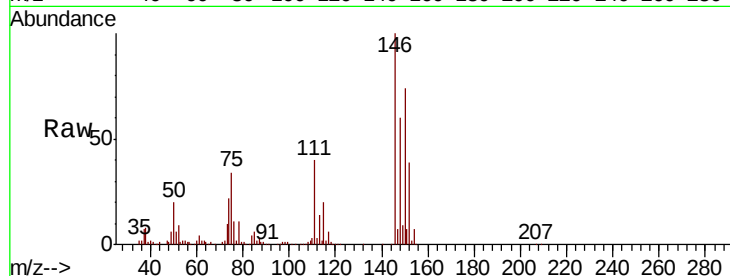
Tot Ion:146 Resp: 126580

Ion Ratio Lower Upper

146 100

111 39.7 20.8 62.2

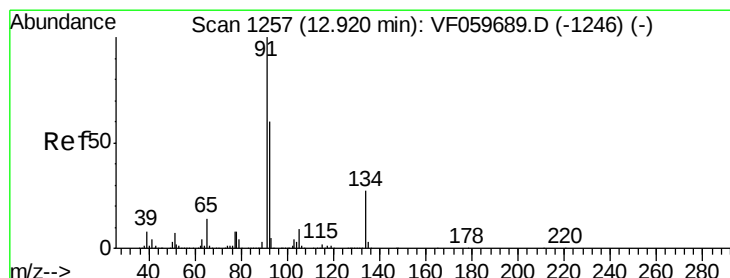
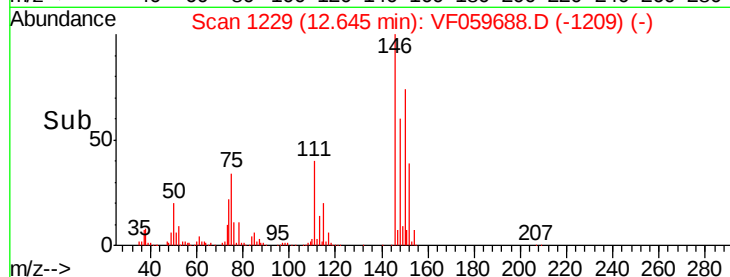
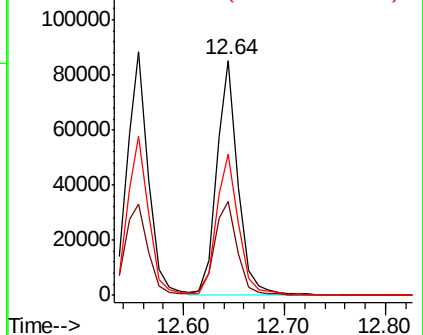
148 60.4 32.3 96.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#89

n-Butylbenzene

Concen: 21.715 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

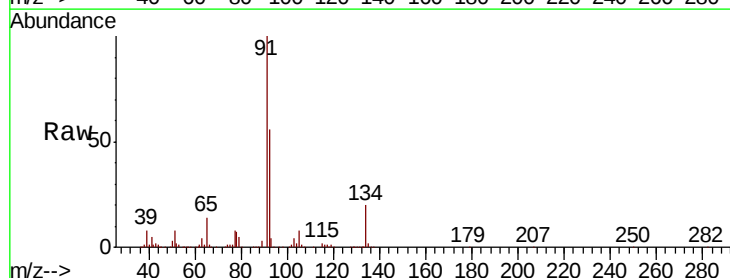
Tgt Ion: 91 Resp: 265510

Ion Ratio Lower Upper

91 100

92 55.6 30.1 90.3

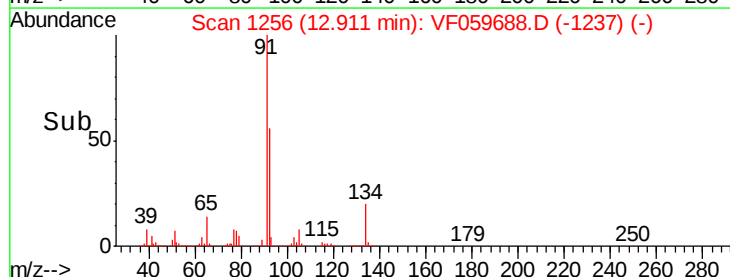
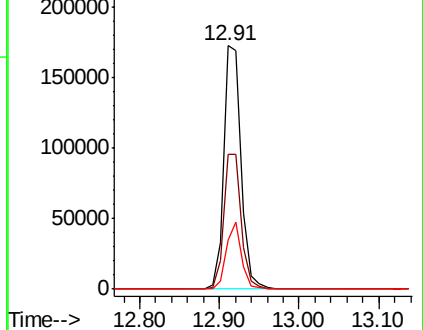
134 20.0 13.7 41.0

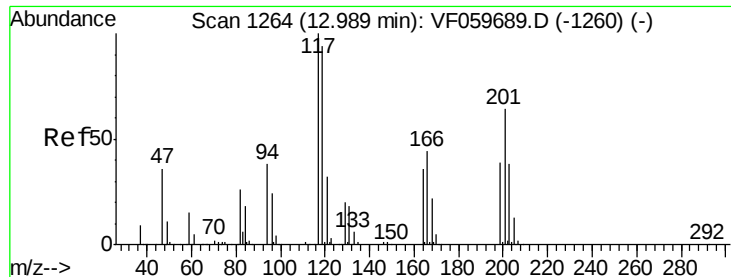


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 21.089 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :

MSVOA\_F

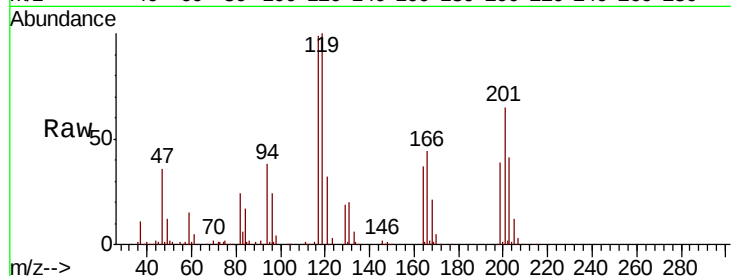
ClientSampled :

Tot Ion:117 Resp: 67874

Ion Ratio Lower Upper

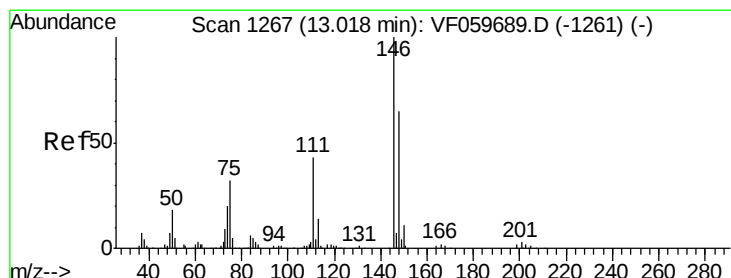
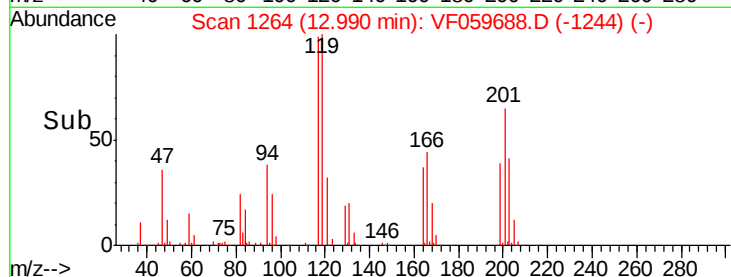
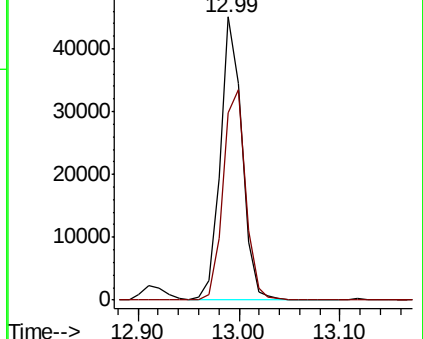
117 100

201 66.0 31.9 95.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V



#91

1,2-Dichlorobenzene

Concen: 22.607 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

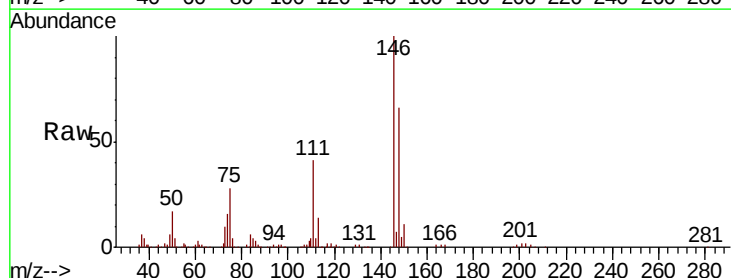
Tgt Ion:146 Resp: 125334

Ion Ratio Lower Upper

146 100

111 40.7 21.6 65.0

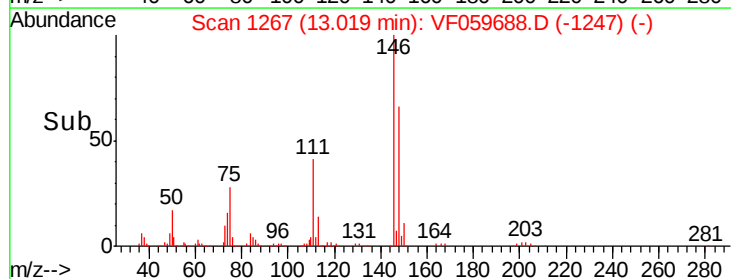
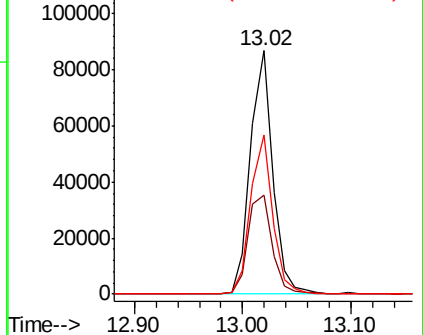
148 65.5 32.3 96.9

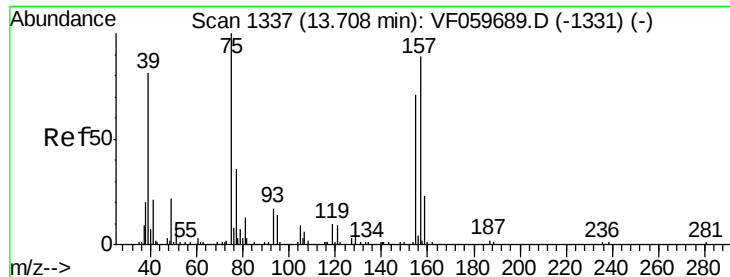


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 21.807 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :

MSVOA\_F

ClientSampleId :

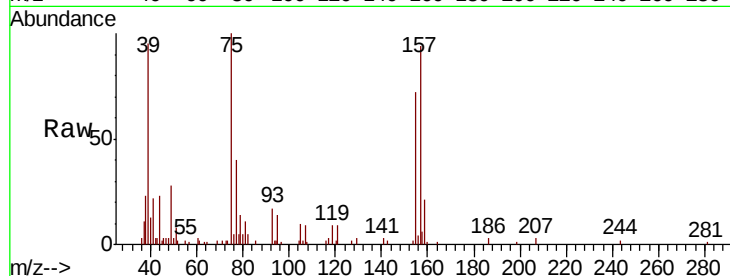
Tot Ion: 75 Resp: 10973

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 155 | 75.4  | 35.4  | 106.2 |
| 157 | 100.1 | 44.4  | 133.2 |

75 100

155 75.4 35.4 106.2

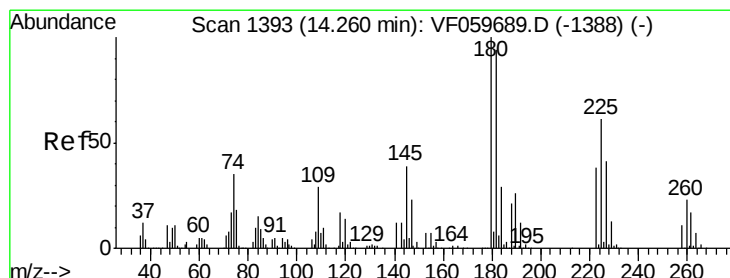
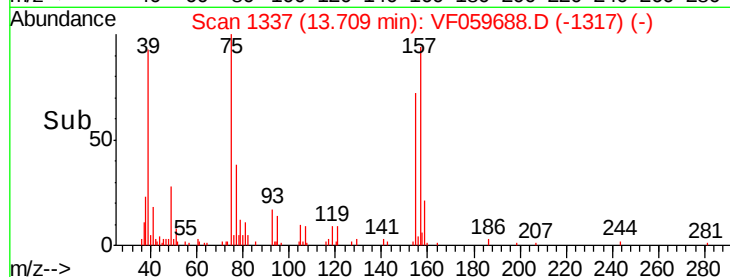
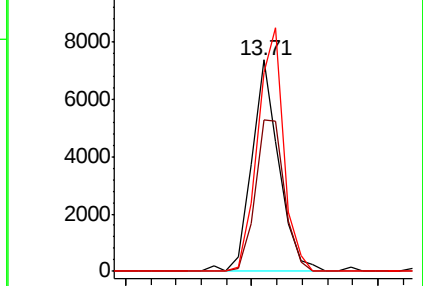
157 100.1 44.4 133.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V



#93

1,2,4-Trichlorobenzene

Concen: 22.026 ug/l

RT: 14.26 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

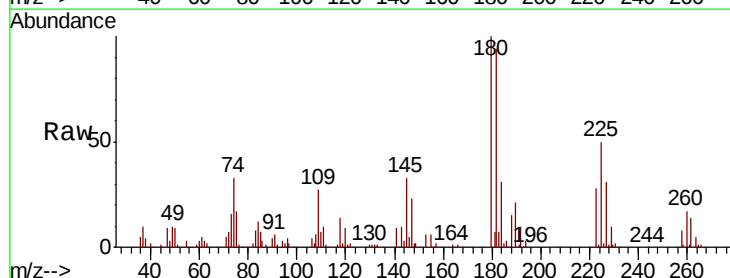
Tgt Ion: 180 Resp: 97865

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 94.4  | 47.2  | 141.6 |
| 145 | 33.4  | 19.3  | 57.9  |

180 100

182 94.4 47.2 141.6

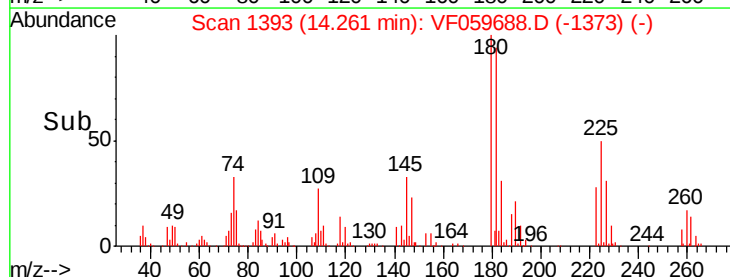
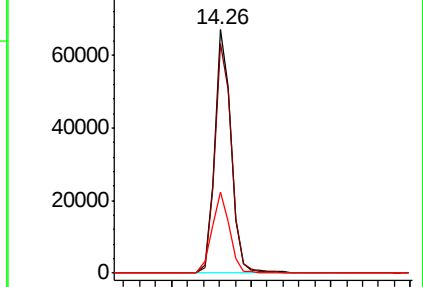
145 33.4 19.3 57.9

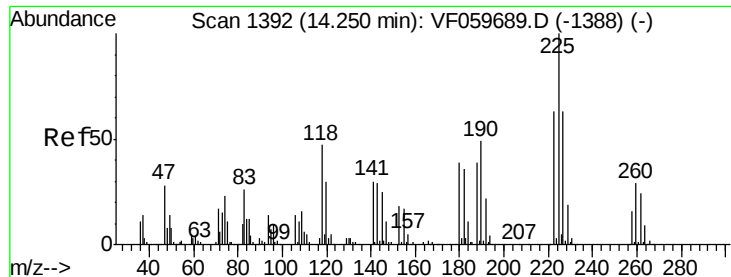


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

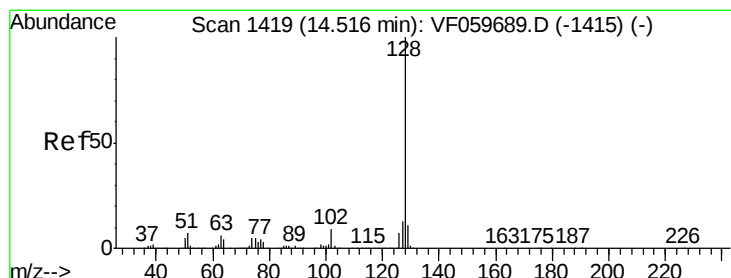
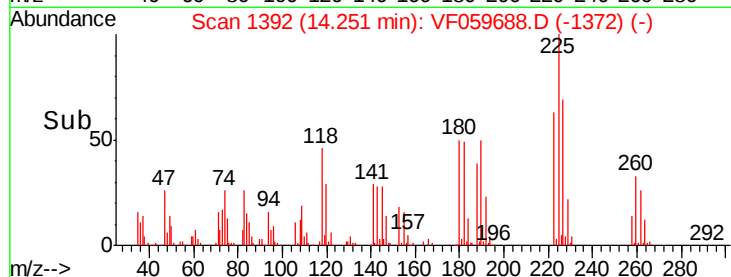
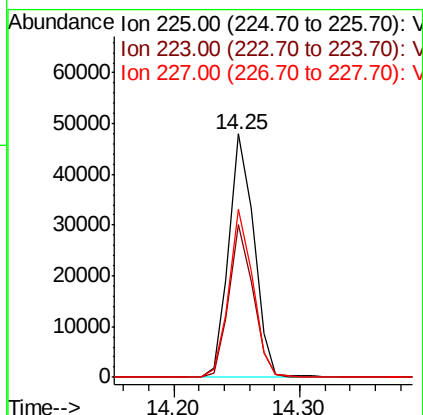
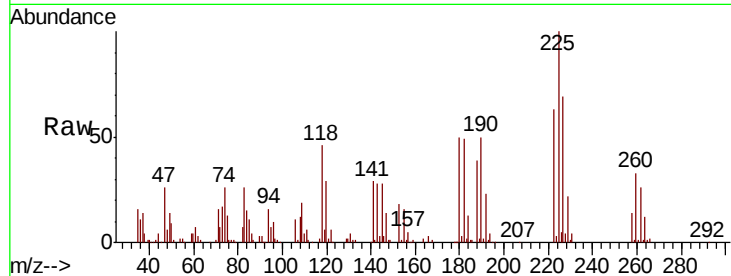




#94  
Hexachlorobutadiene  
Concen: 20.427 ug/l  
RT: 14.25 min Scan# 1392  
Delta R.T. 0.00 min  
Lab File: VF059688.D  
Acq: 30 Jul 2018 15:02

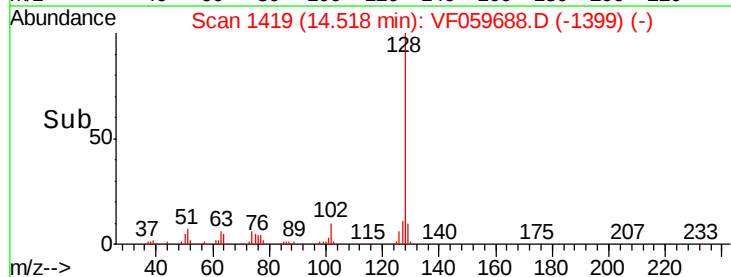
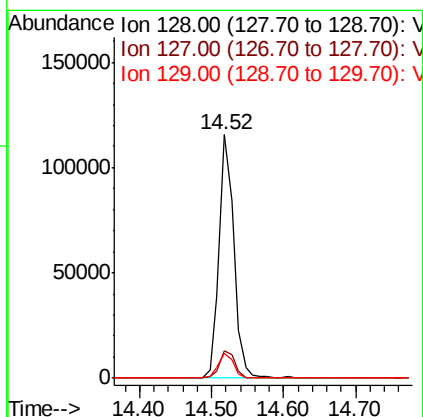
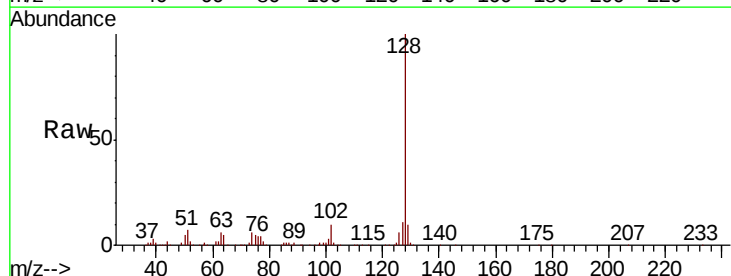
Instrument :  
MSVOA\_F  
ClientSampleId :

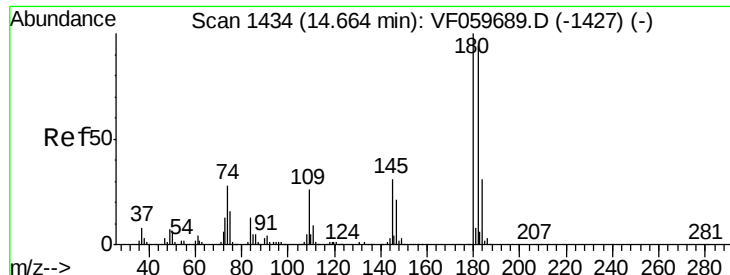
Tot Ion:225 Resp: 66771  
Ion Ratio Lower Upper  
225 100  
223 62.7 31.4 94.2  
227 69.2 31.5 94.5



#95  
Naphthalene  
Concen: 23.102 ug/l  
RT: 14.52 min Scan# 1419  
Delta R.T. 0.00 min  
Lab File: VF059688.D  
Acq: 30 Jul 2018 15:02

Tgt Ion:128 Resp: 163558  
Ion Ratio Lower Upper  
128 100  
127 11.3 10.0 15.0  
129 10.4 8.6 13.0

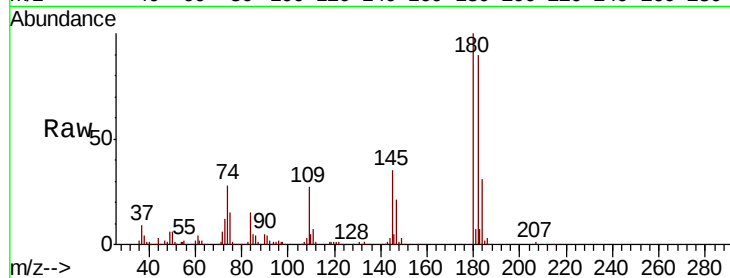




#96  
 1,2,3-Trichlorobenzene  
 Concen: 22.591 ug/l  
 RT: 14.67 min Scan# 1434  
 Delta R.T. 0.00 min  
 Lab File: VF059688.D  
 Acq: 30 Jul 2018 15:02

Instrument :  
 MSVOA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 90.3  | 47.2  | 141.6 |
| 145     | 34.7  | 15.6  | 46.7  |



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

