

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022819\  
 Data File : VF061788.D  
 Acq On : 28 Feb 2019 15:30  
 Operator : VA/AP  
 Sample : VF0228SBSD01  
 Misc : 5.00g/5mL/MSVOA-F/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0228SBSD01

Quant Time: Mar 01 00:18:41 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F021319S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 14 03:27:56 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.86  | 168  | 266933   | 50.00 | ug/l  | -0.03    |
| 34) 1,4-Difluorobenzene    | 5.59  | 114  | 402861   | 50.00 | ug/l  | -0.02    |
| 63) Chlorobenzene-d5       | 9.76  | 117  | 345027   | 50.00 | ug/l  | -0.03    |
| 72) 1,4-Dichlorobenzene-d4 | 12.54 | 152  | 191014   | 50.00 | ug/l  | -0.02    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 4.83  | 65   | 118647   | 60.61 | ug/l    | -0.03    |
| Spiked Amount               |       |      | Recovery | =     | 121.22% |          |
| 35) Dibromofluoromethane    | 4.10  | 113  | 170451   | 56.98 | ug/l    | -0.02    |
| Spiked Amount               |       |      | Recovery | =     | 113.96% |          |
| 50) Toluene-d8              | 7.54  | 98   | 469720   | 54.62 | ug/l    | -0.02    |
| Spiked Amount               |       |      | Recovery | =     | 109.24% |          |
| 62) 4-Bromofluorobenzene    | 11.40 | 95   | 188890   | 54.28 | ug/l    | -0.02    |
| Spiked Amount               |       |      | Recovery | =     | 108.56% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units  | Qvalue |
|-------------------------------|------|------|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 0.96 | 85   | 81812    | 26.688  | ug/l   | 98     |
| 3) Chloromethane              | 1.10 | 50   | 81492    | 25.337  | ug/l   | 98     |
| 4) Vinyl Chloride             | 1.14 | 62   | 79129    | 26.465  | ug/l   | 95     |
| 5) Bromomethane               | 1.32 | 94   | 47355    | 23.012  | ug/l   | 93     |
| 6) Chloroethane               | 1.38 | 64   | 34575    | 23.465  | ug/l   | 100    |
| 7) Trichlorofluoromethane     | 1.48 | 101  | 91600    | 25.400  | ug/l   | 91     |
| 8) Diethyl Ether              | 1.62 | 74   | 19844    | 21.835  | ug/l   | 96     |
| 9) 1,1,2-Trichlorotrifluoroet | 1.83 | 101  | 63848    | 24.542  | ug/l # | 91     |
| 10) Methyl Iodide             | 1.91 | 142  | 95885    | 19.294  | ug/l   | 94     |
| 11) Tert butyl alcohol        | 2.57 | 59   | 12513    | 110.456 | ug/l   | 96     |
| 12) 1,1-Dichloroethene        | 1.79 | 96   | 57589    | 25.177  | ug/l   | 93     |
| 13) Acrolein                  | 2.00 | 56   | 13373    | 93.925  | ug/l   | 97     |
| 14) Allyl chloride            | 2.19 | 41   | 2967     | 1.057   | ug/l   | 89     |
| 15) Acrylonitrile             | 2.93 | 53   | 43431    | 108.084 | ug/l   | 95     |
| 16) Acetone                   | 2.23 | 43   | 50052    | 119.176 | ug/l # | 84     |
| 17) Carbon Disulfide          | 1.83 | 76   | 128126   | 17.820  | ug/l   | 98     |
| 18) Methyl Acetate            | 2.34 | 43   | 22685    | 23.977  | ug/l   | 98     |
| 19) Methyl tert-butyl Ether   | 2.42 | 73   | 102038   | 26.102  | ug/l   | 96     |
| 20) Methylene Chloride        | 2.18 | 84   | 30289    | 11.519  | ug/l   | 88     |
| 21) trans-1,2-Dichloroethene  | 2.30 | 96   | 58795    | 23.645  | ug/l   | 94     |
| 22) Diisopropyl ether         | 2.80 | 45   | 169379   | 25.139  | ug/l   | 97     |
| 23) Vinyl Acetate             | 3.18 | 43   | 367752   | 111.751 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 2.87 | 63   | 98943    | 24.267  | ug/l   | 98     |
| 25) 2-Butanone                | 4.33 | 43   | 102799   | 112.058 | ug/l   | 100    |
| 26) 2,2-Dichloropropane       | 3.60 | 77   | 46460    | 26.901  | ug/l   | 96     |
| 27) cis-1,2-Dichloroethene    | 3.47 | 96   | 79061    | 24.224  | ug/l   | 98     |
| 28) Bromochloromethane        | 3.71 | 49   | 42990    | 21.974  | ug/l   | 99     |
| 29) Tetrahydrofuran           | 4.06 | 42   | 46108    | 110.583 | ug/l   | 95     |
| 30) Chloroform                | 3.85 | 83   | 116550   | 25.135  | ug/l   | 98     |
| 31) Cyclohexane               | 3.68 | 56   | 68963    | 15.624  | ug/l   | 97     |
| 32) 1,1,1-Trichloroethane     | 4.08 | 97   | 69212    | 22.786  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 4.27 | 75   | 93290    | 23.376  | ug/l   | 93     |
| 37) Ethyl Acetate             | 4.10 | 43   | 38102    | 20.555  | ug/l # | 77     |
| 38) Carbon Tetrachloride      | 3.98 | 117  | 72074    | 26.154  | ug/l   | 98     |

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 Sample : VF0228SBSD01  
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Instrument :  
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Quant Time: Mar 01 00:18:41 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F021319S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 14 03:27:56 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 5.44  | 83   | 110641   | 23.442  | ug/l   | 98       |
| 40) Benzene                    | 4.62  | 78   | 252571   | 24.196  | ug/l   | 98       |
| 41) Methacrylonitrile          | 4.73  | 41   | 20823    | 21.966  | ug/l   | 94       |
| 42) 1,2-Dichloroethane         | 4.93  | 62   | 63342    | 25.367  | ug/l   | 97       |
| 43) Isopropyl Acetate          | 6.95  | 43   | 45121    | 20.564  | ug/l # | 93       |
| 44) Trichloroethene            | 5.49  | 130  | 85115    | 25.215  | ug/l   | 96       |
| 45) 1,2-Dichloropropane        | 6.22  | 63   | 57401    | 22.749  | ug/l   | 98       |
| 46) Dibromomethane             | 6.07  | 93   | 36684    | 23.613  | ug/l   | 90       |
| 47) Bromodichloromethane       | 6.38  | 83   | 80185    | 23.569  | ug/l   | 98       |
| 48) Methyl methacrylate        | 6.70  | 41   | 29930    | 22.667  | ug/l   | 91       |
| 49) 1,4-Dioxane                | 6.70  | 88   | 5218     | 420.383 | ug/l # | 80       |
| 51) 4-Methyl-2-Pentanone       | 8.25  | 43   | 161679   | 103.126 | ug/l   | 98       |
| 52) Toluene                    | 7.61  | 92   | 152784   | 24.133  | ug/l   | 94       |
| 53) t-1,3-Dichloropropene      | 8.26  | 75   | 62818    | 22.186  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene    | 7.29  | 75   | 88327    | 23.420  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane      | 8.48  | 97   | 42489    | 22.843  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 8.60  | 69   | 43686    | 21.095  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 8.84  | 76   | 67719    | 21.812  | ug/l   | 96       |
| 58) 2-Chloroethyl Vinyl ether  | 7.27  | 63   | 35259    | 98.679  | ug/l   | 96       |
| 59) 2-Hexanone                 | 9.48  | 43   | 124939   | 113.687 | ug/l   | 99       |
| 60) Dibromochloromethane       | 8.70  | 129  | 59659    | 23.043  | ug/l   | 91       |
| 61) 1,2-Dibromoethane          | 8.97  | 107  | 47051    | 23.321  | ug/l   | 95       |
| 64) Tetrachloroethene          | 8.13  | 164  | 66839    | 23.700  | ug/l   | 92       |
| 65) Chlorobenzene              | 9.78  | 112  | 165978   | 23.706  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane  | 9.92  | 131  | 66563    | 24.262  | ug/l   | 94       |
| 67) Ethyl Benzene              | 9.89  | 91   | 282143   | 24.232  | ug/l   | 97       |
| 68) m/p-Xylenes                | 10.11 | 106  | 209925   | 47.110  | ug/l   | 97       |
| 69) o-Xylene                   | 10.70 | 106  | 120485   | 25.340  | ug/l   | 99       |
| 70) Styrene                    | 10.77 | 104  | 162931   | 24.222  | ug/l   | 98       |
| 71) Bromoform                  | 10.76 | 173  | 34421    | 23.105  | ug/l   | 99       |
| 73) Isopropylbenzene           | 11.11 | 105  | 330797   | 24.324  | ug/l   | 100      |
| 74) N-amyl acetate             | 11.37 | 43   | 73098    | 22.393  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.68 | 83   | 55343    | 22.715  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane     | 11.78 | 75   | 37378    | 22.564  | ug/l   | 94       |
| 77) Bromobenzene               | 11.48 | 156  | 79098    | 23.543  | ug/l   | 94       |
| 78) n-propylbenzene            | 11.58 | 91   | 381882   | 24.470  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 11.71 | 91   | 215040   | 24.603  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene     | 11.81 | 105  | 271421   | 24.971  | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-buten | 11.86 | 75   | 22258    | 28.027  | ug/l   | 93       |
| 82) 4-Chlorotoluene            | 11.89 | 91   | 217926   | 24.022  | ug/l   | 97       |
| 83) tert-Butylbenzene          | 12.12 | 119  | 289011   | 24.006  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene     | 12.19 | 105  | 258279   | 23.918  | ug/l   | 97       |
| 85) sec-Butylbenzene           | 12.29 | 105  | 374555   | 24.058  | ug/l   | 95       |
| 86) p-Isopropyltoluene         | 12.45 | 119  | 328497   | 25.142  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.46 | 146  | 155702   | 23.772  | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene        | 12.56 | 146  | 150961   | 23.965  | ug/l   | 97       |
| 89) n-Butylbenzene             | 12.84 | 91   | 305000   | 24.721  | ug/l   | 97       |
| 90) Hexachloroethane           | 12.90 | 117  | 76667    | 25.230  | ug/l   | 88       |
| 91) 1,2-Dichlorobenzene        | 12.93 | 146  | 150615   | 24.176  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.63 | 75   | 8085     | 20.930  | ug/l   | 71       |

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Sample : VF0228SBSD01  
Misc : 5.00g/5mL/MSVOA-F/SOIL  
ALS Vial : 5 Sample Multiplier: 1

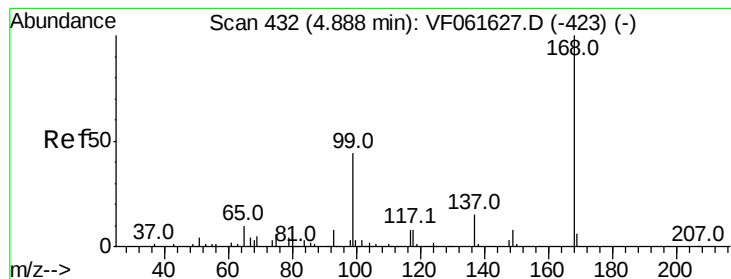
Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0228SBSD01

Quant Time: Mar 01 00:18:41 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F021319S.M  
Quant Title : SW846 8260  
QLast Update : Thu Feb 14 03:27:56 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.19 | 180  | 103782   | 23.241 | ug/l  | 96       |
| 94) Hexachlorobutadiene    | 14.18 | 225  | 69071    | 25.045 | ug/l  | 98       |
| 95) Naphthalene            | 14.44 | 128  | 180758   | 23.136 | ug/l  | 98       |
| 96) 1,2,3-Trichlorobenzene | 14.59 | 180  | 95605    | 23.326 | ug/l  | 93       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.03 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA\_F

ClientSampleId :

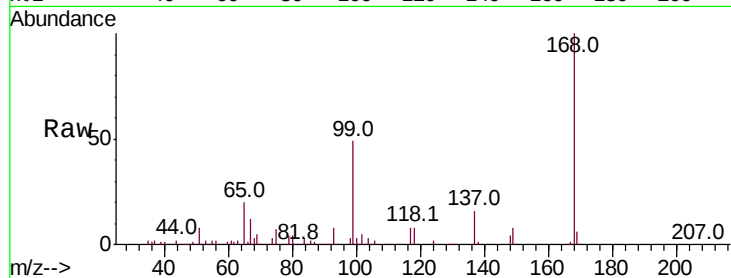
VF0228SBSD01

Tot Ion:168 Resp: 266933

Ion Ratio Lower Upper

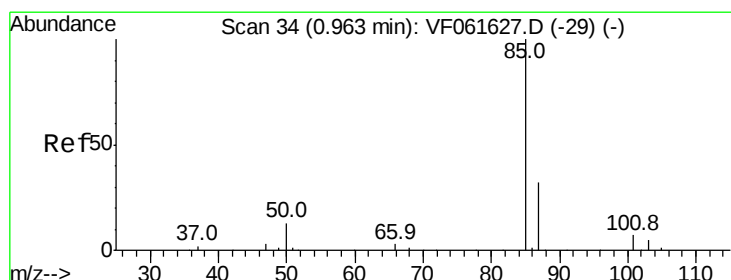
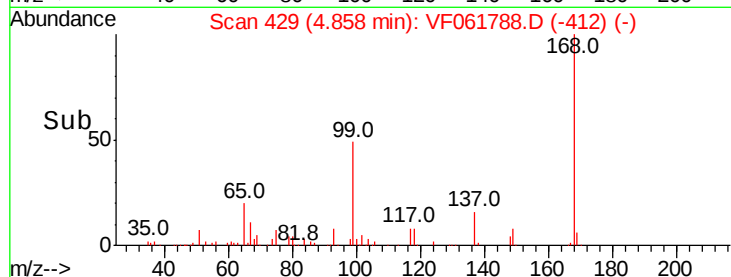
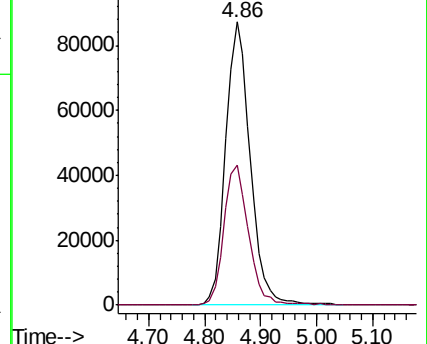
168 100

99 49.3 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 26.688 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.00 min

Lab File: VF061788.D

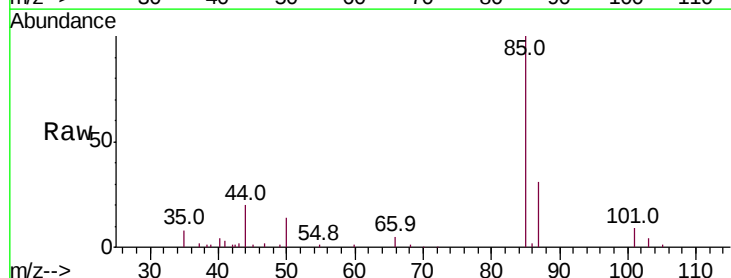
Acq: 28 Feb 2019 15:30

Tgt Ion: 85 Resp: 81812

Ion Ratio Lower Upper

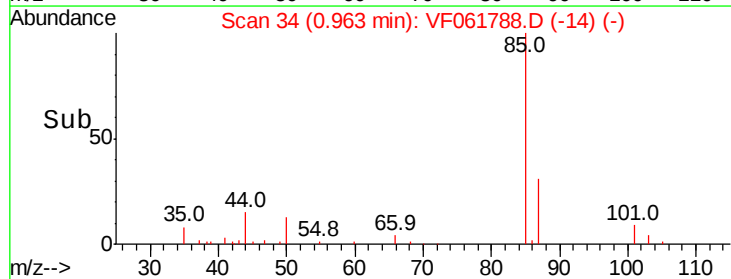
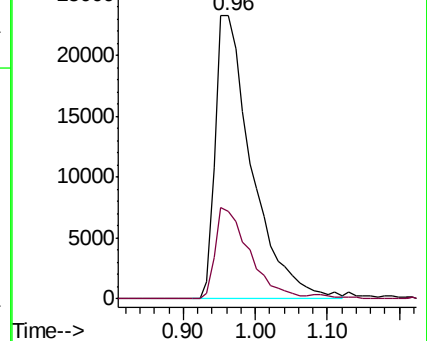
85 100

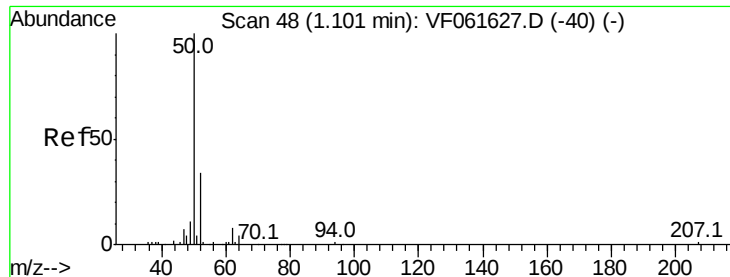
87 31.0 16.1 48.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 25.337 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA\_F

ClientSampleId :

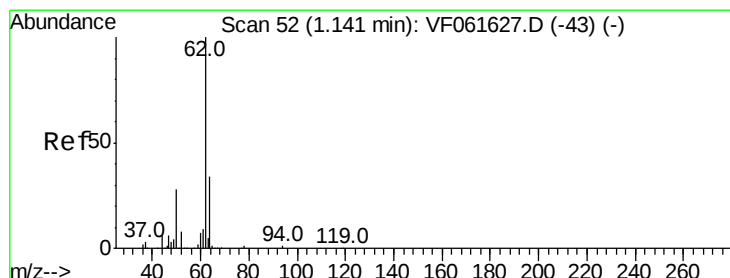
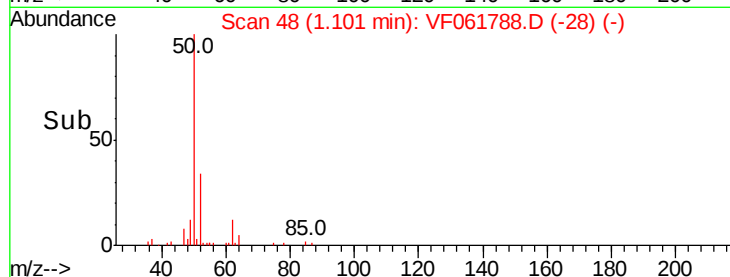
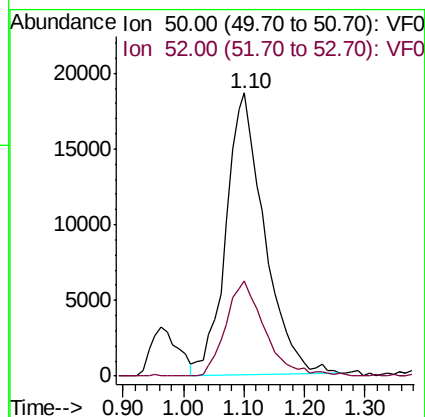
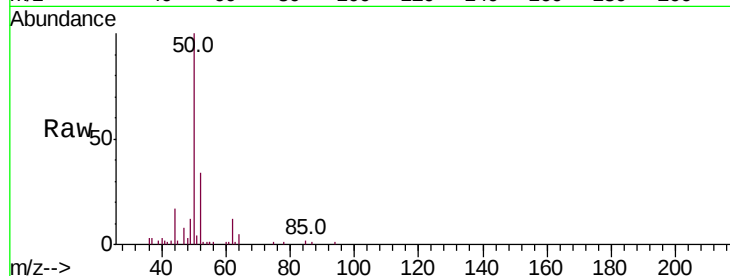
VF0228SBSD01

Tot Ion: 50 Resp: 81492

Ion Ratio Lower Upper

50 100

52 33.7 26.2 39.4



#4

Vinyl Chloride

Concen: 26.465 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.00 min

Lab File: VF061788.D

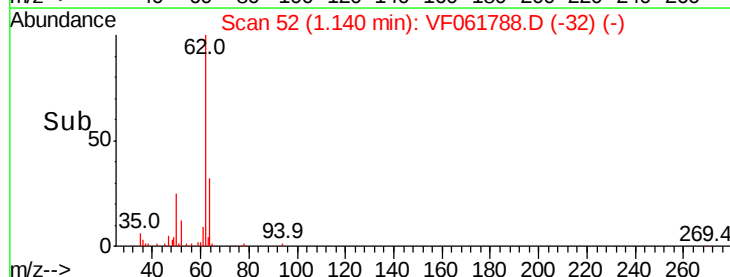
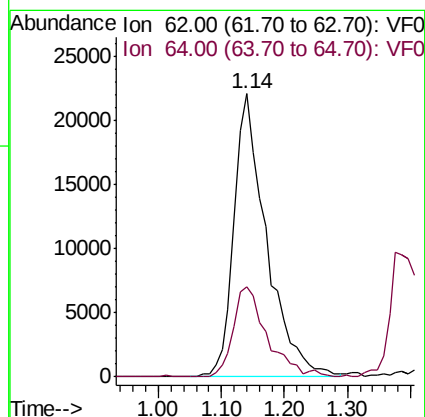
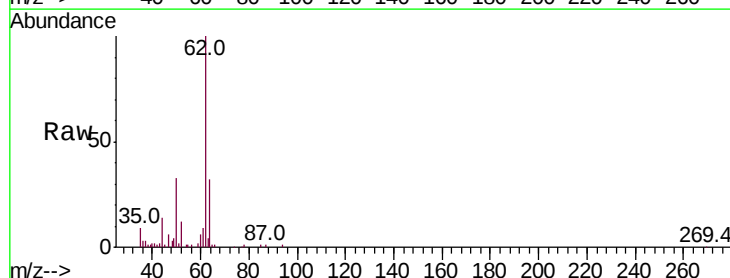
Acq: 28 Feb 2019 15:30

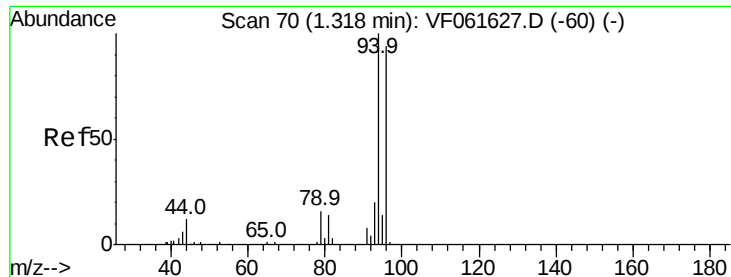
Tgt Ion: 62 Resp: 79129

Ion Ratio Lower Upper

62 100

64 31.7 27.5 41.3





#5

Bromomethane

Concen: 23.012 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA\_F

ClientSampleId :

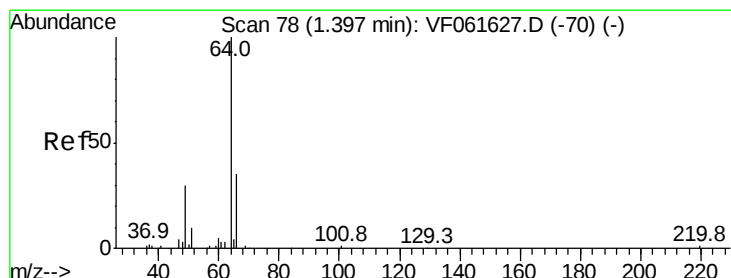
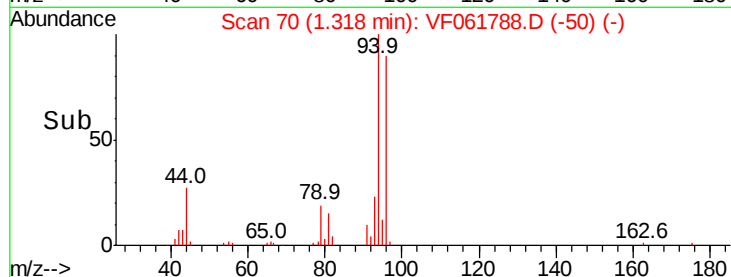
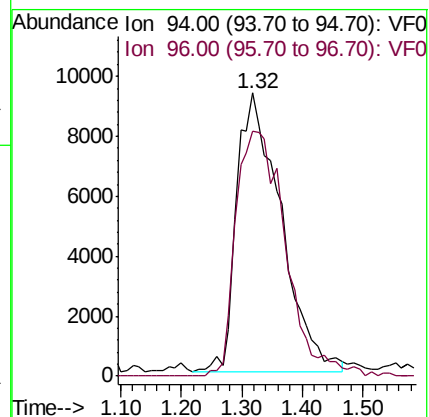
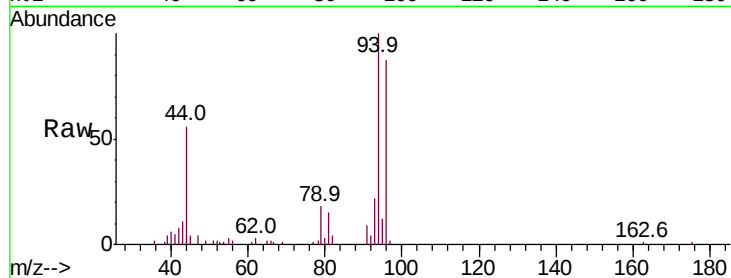
VF0228SBSD01

Tot Ion: 94 Resp: 47355

Ion Ratio Lower Upper

94 100

96 86.7 74.6 112.0



#6

Chloroethane

Concen: 23.465 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.02 min

Lab File: VF061788.D

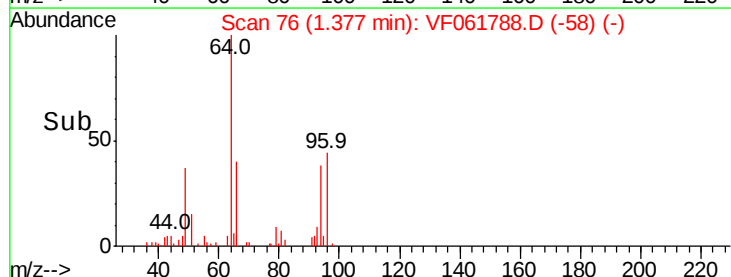
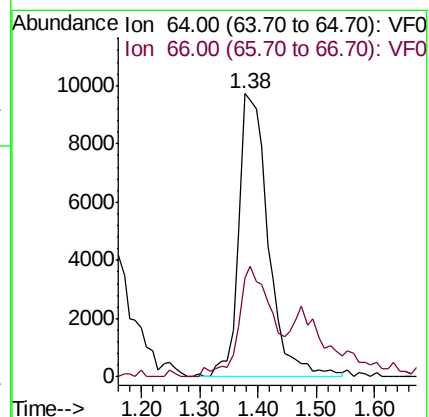
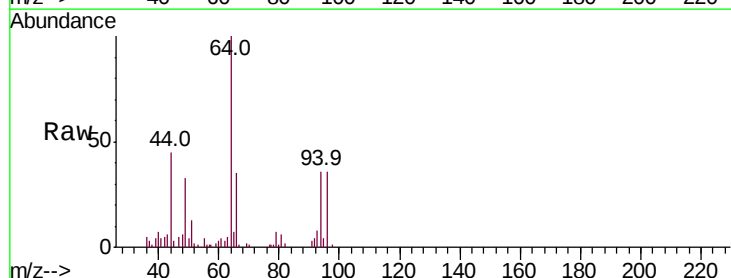
Acq: 28 Feb 2019 15:30

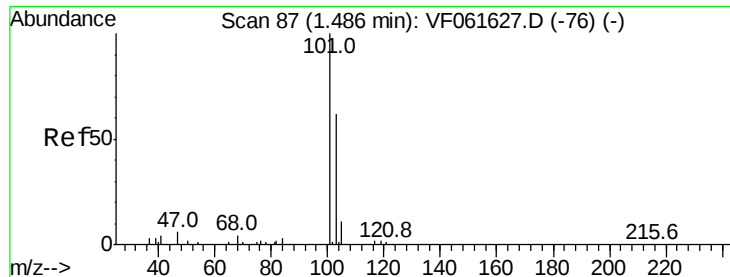
Tgt Ion: 64 Resp: 34575

Ion Ratio Lower Upper

64 100

66 35.1 27.9 41.9





#7

Trichlorofluoromethane

Concen: 25.400 ug/l

RT: 1.48 min Scan# 86

Delta R.T. -0.01 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA\_F

ClientSampleId :

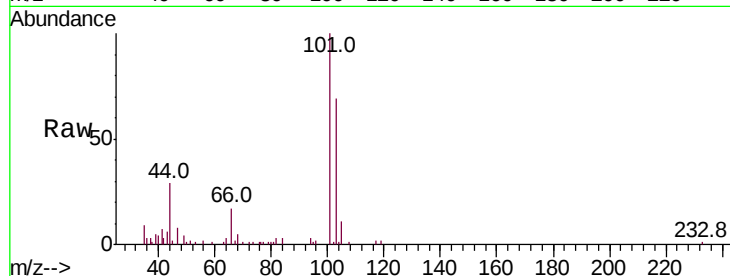
VF0228SBSD01

Tot Ion:101 Resp: 91600

Ion Ratio Lower Upper

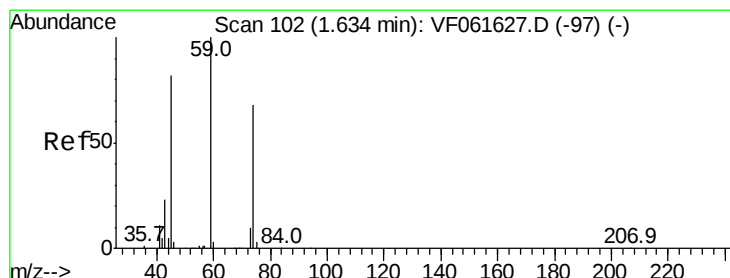
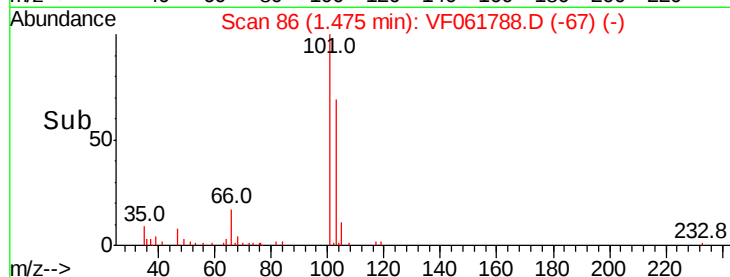
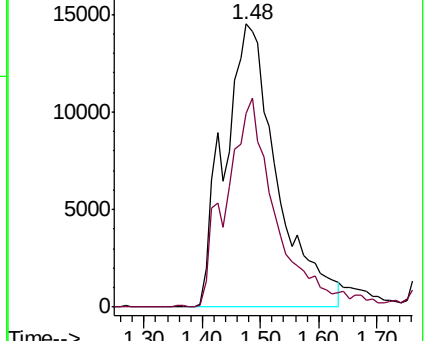
101 100

103 68.6 49.3 73.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 21.835 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.01 min

Lab File: VF061788.D

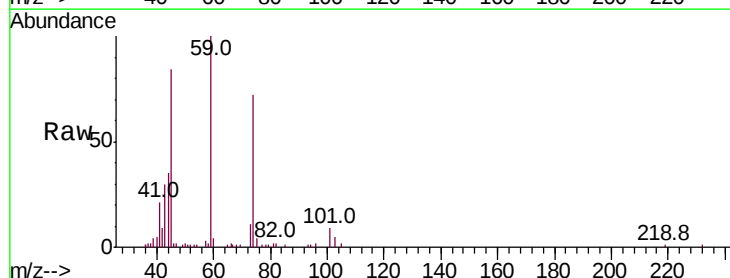
Acq: 28 Feb 2019 15:30

Tgt Ion: 74 Resp: 19844

Ion Ratio Lower Upper

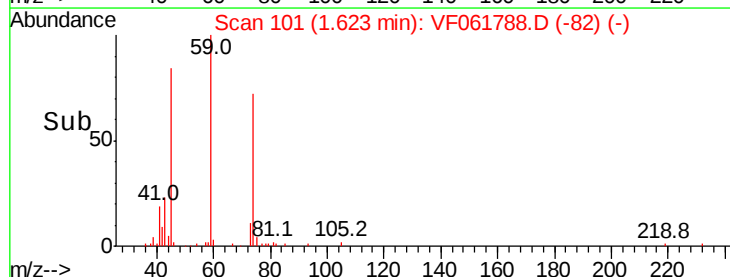
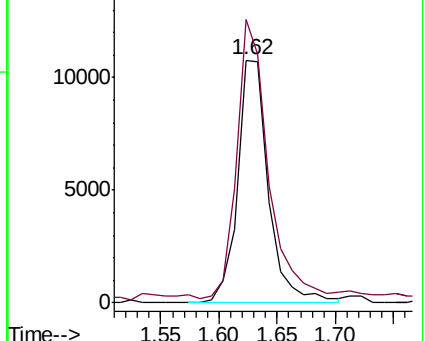
74 100

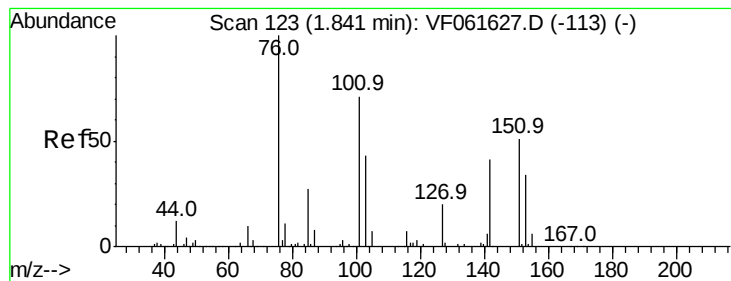
45 116.6 60.8 182.3



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: 24.542 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA\_F

ClientSampleId :

VF0228SBS01

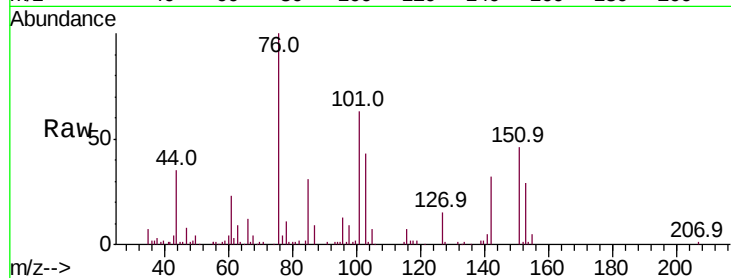
Tot Ion:101 Resp: 63848

Ion Ratio Lower Upper

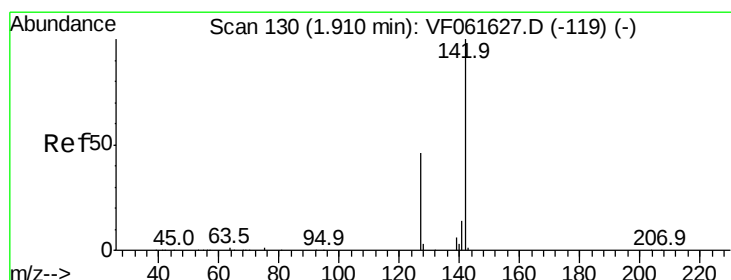
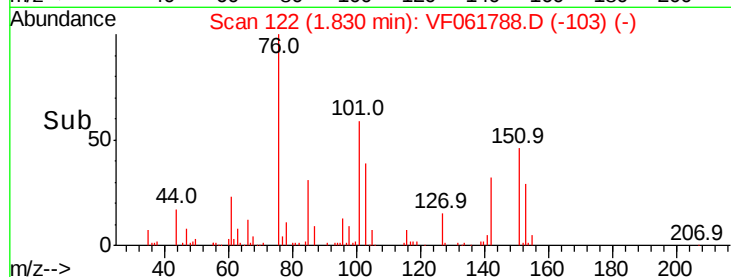
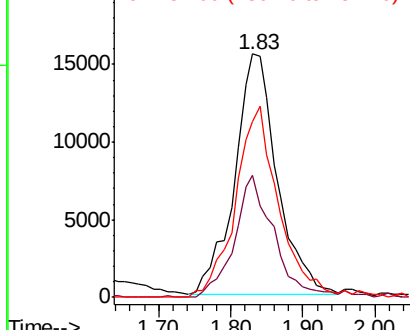
101 100

85 49.9 29.8 44.6#

151 72.5 56.3 84.5



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

Methyl Iodide

Concen: 19.294 ug/l

RT: 1.91 min Scan# 130

Delta R.T. -0.00 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

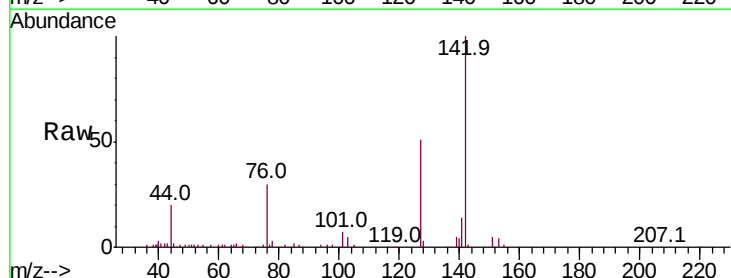
Tgt Ion:142 Resp: 95885

Ion Ratio Lower Upper

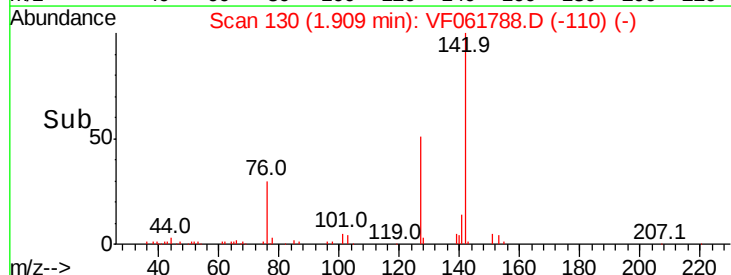
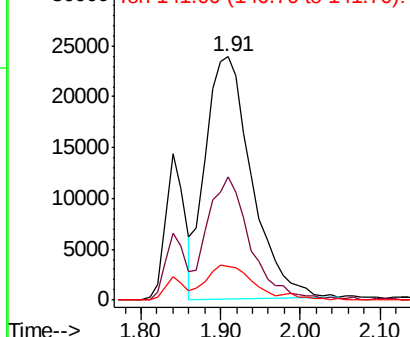
142 100

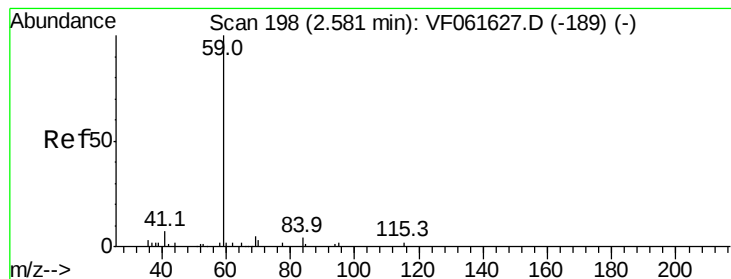
127 50.9 36.6 55.0

141 13.9 11.0 16.6



Abundance Ion 142.00 (141.70 to 142.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 141.00 (140.70 to 141.70): V



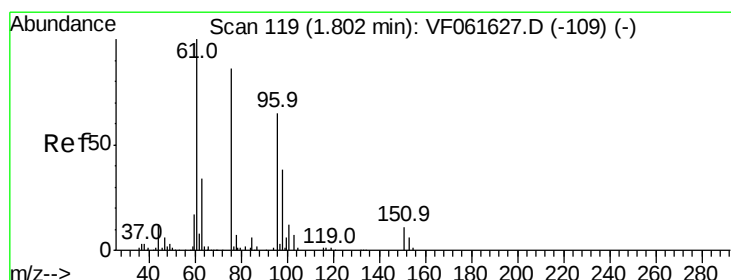
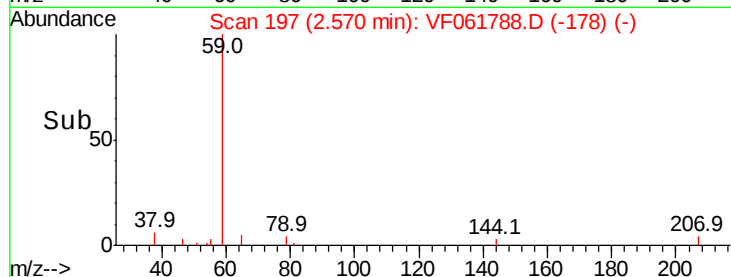
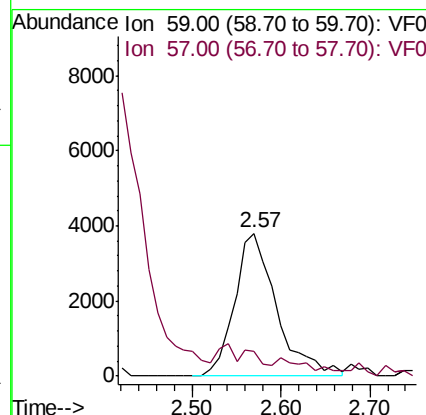
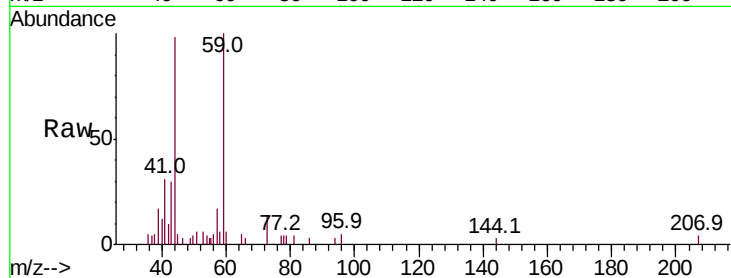


#11

Tert butyl alcohol  
Concen: 110.456 ug/l  
RT: 2.57 min Scan# 197  
Delta R.T. -0.01 min  
Lab File: VF061788.D  
Acq: 28 Feb 2019 15:30

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0228SBSD01

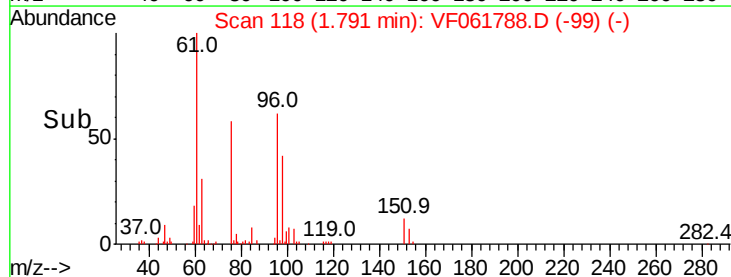
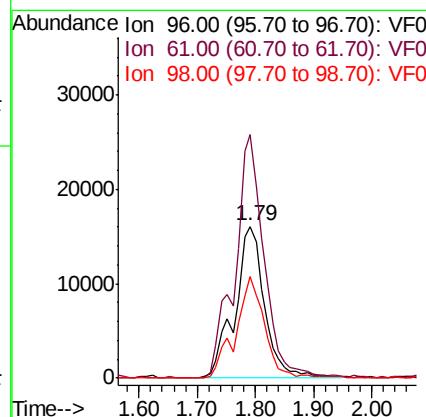
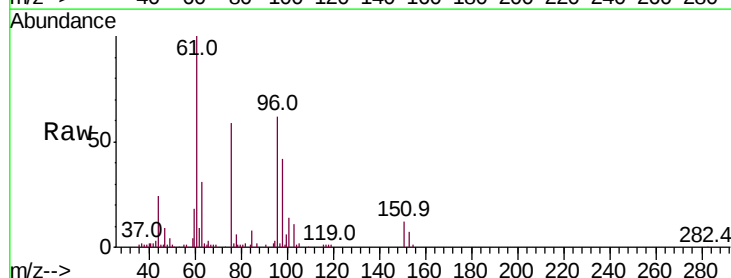
Tot Ion: 59 Resp: 12513  
Ion Ratio Lower Upper  
59 100  
57 17.4 12.5 18.7

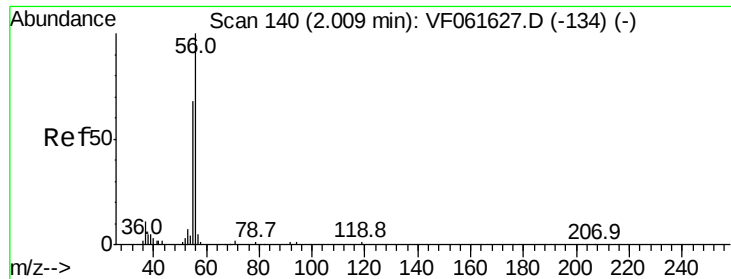


#12

1,1-Dichloroethene  
Concen: 25.177 ug/l  
RT: 1.79 min Scan# 118  
Delta R.T. -0.01 min  
Lab File: VF061788.D  
Acq: 28 Feb 2019 15:30

Tgt Ion: 96 Resp: 57589  
Ion Ratio Lower Upper  
96 100  
61 160.2 122.6 184.0  
98 66.7 47.2 70.8





#13

Acrolein

Concen: 93.925 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA\_F

ClientSampleId :

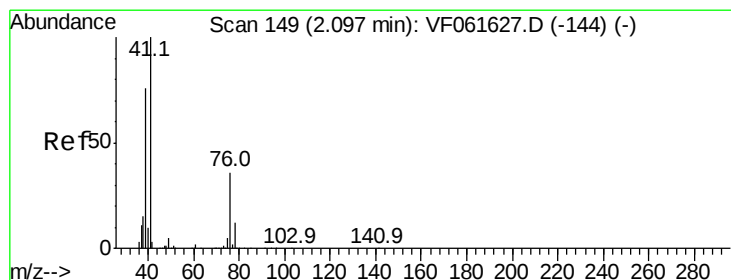
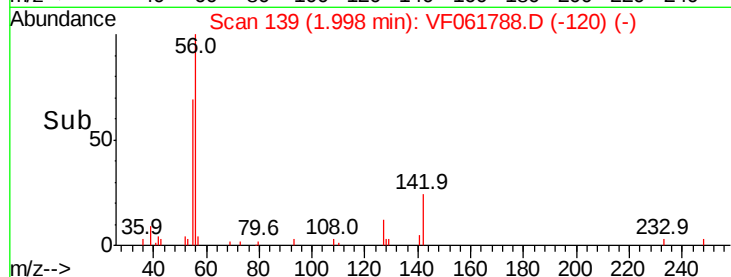
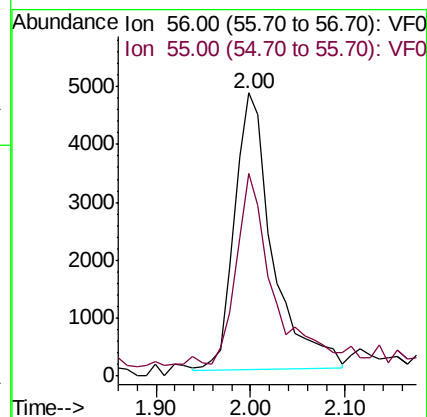
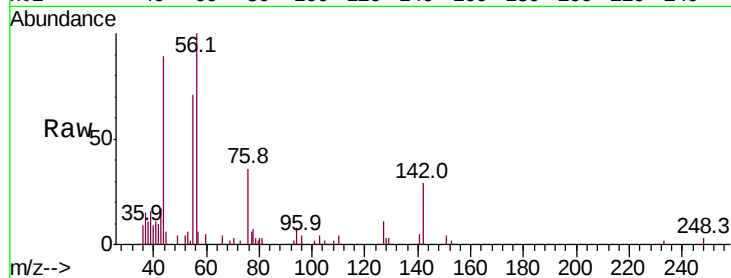
VF0228SBSD01

Tot Ion: 56 Resp: 13373

Ion Ratio Lower Upper

56 100

55 71.5 55.0 82.6



#14

Allyl chloride

Concen: 1.057 ug/l

RT: 2.19 min Scan# 158

Delta R.T. 0.09 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

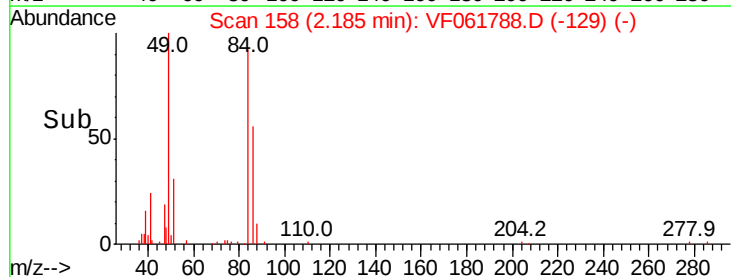
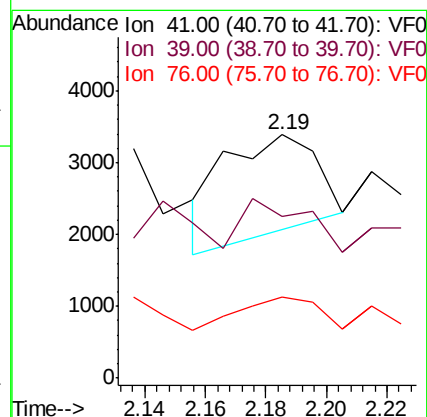
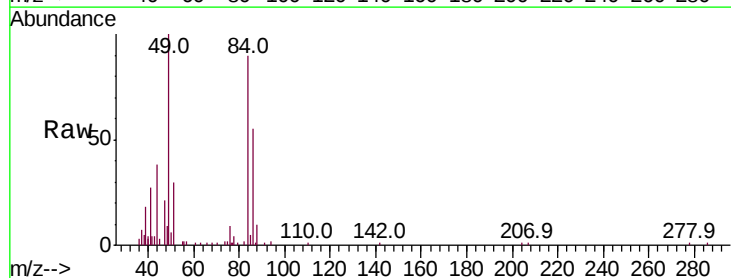
Tgt Ion: 41 Resp: 2967

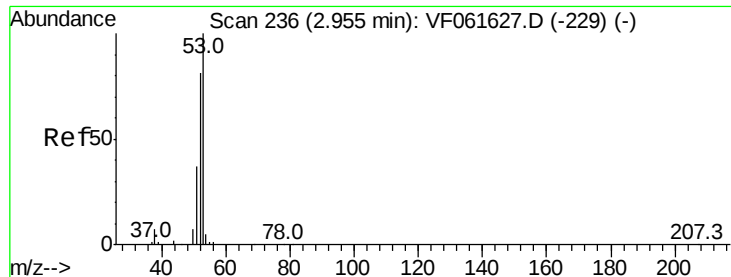
Ion Ratio Lower Upper

41 100

39 66.2 61.6 92.4

76 33.4 30.3 45.5





#15

Acrylonitrile

Concen: 108.084 ug/l

RT: 2.93 min Scan# 234

Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA\_F

ClientSampleId :

VF0228SBS01

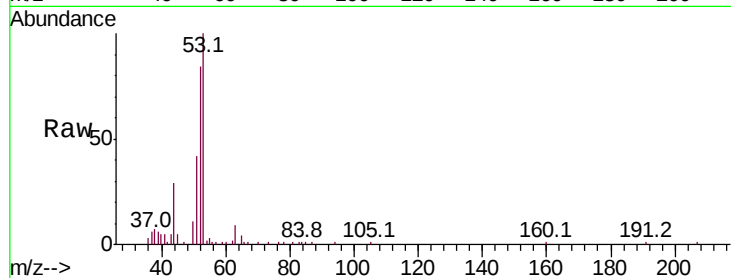
Tot Ion: 53 Resp: 43431

Ion Ratio Lower Upper

53 100

52 83.9 64.6 97.0

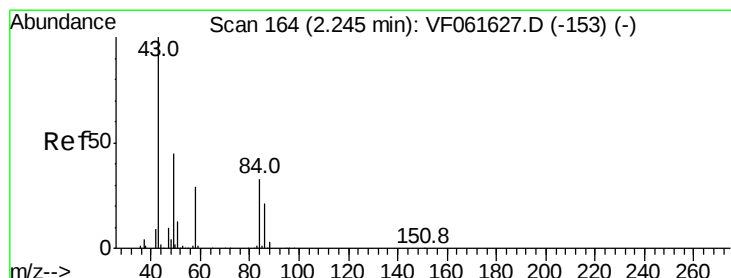
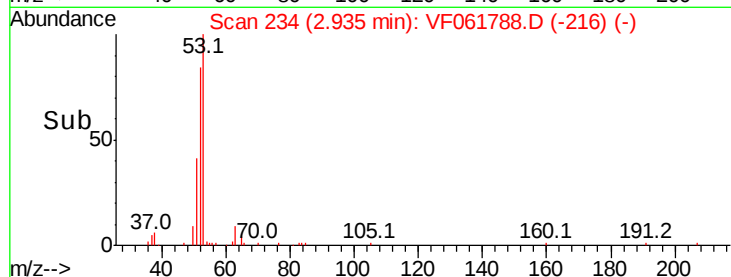
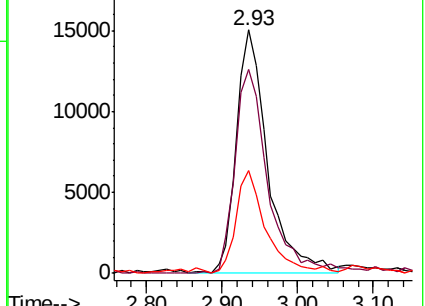
51 42.3 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 119.176 ug/l

RT: 2.23 min Scan# 163

Delta R.T. -0.01 min

Lab File: VF061788.D

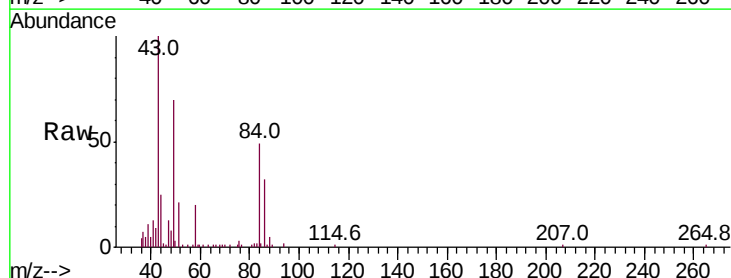
Acq: 28 Feb 2019 15:30

Tgt Ion: 43 Resp: 50052

Ion Ratio Lower Upper

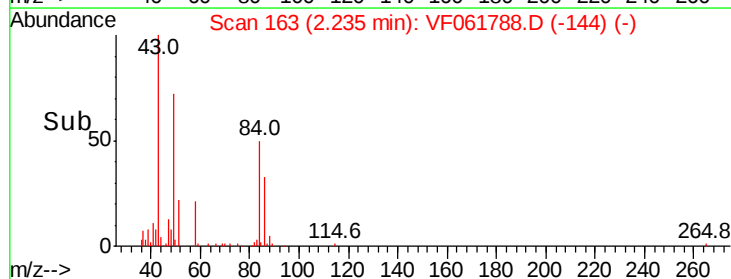
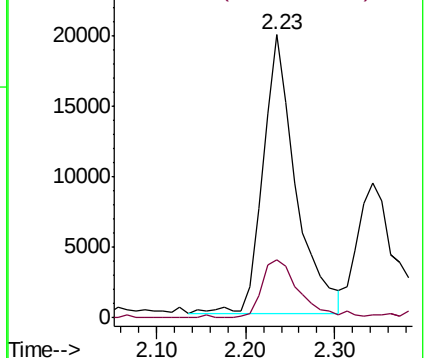
43 100

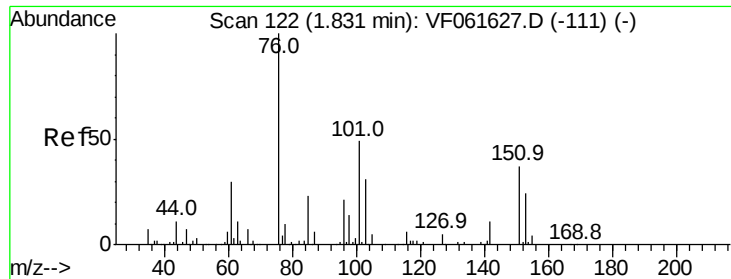
58 20.4 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

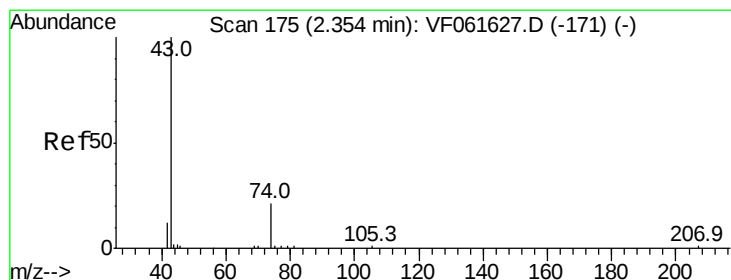
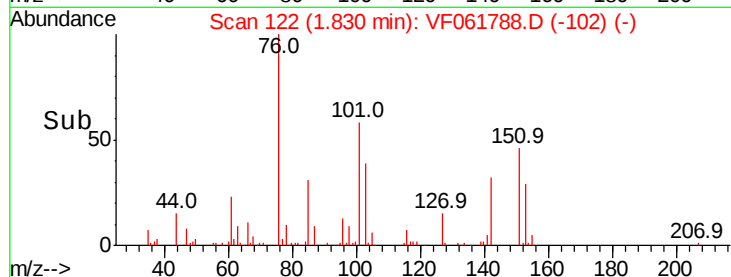
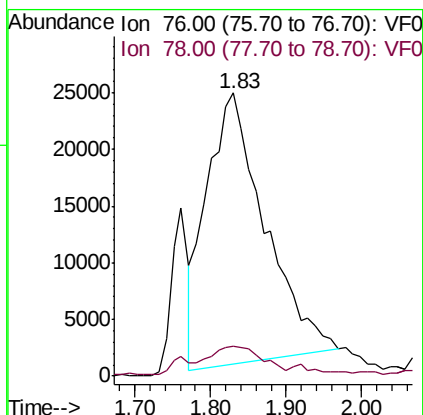
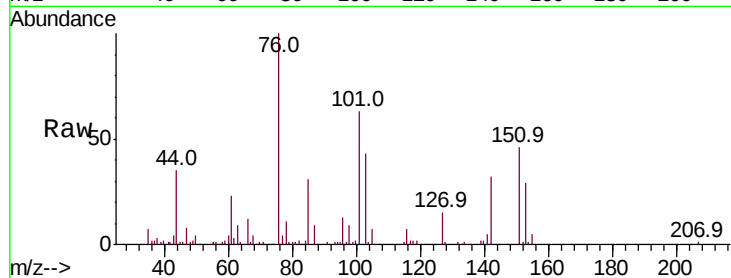




#17  
Carbon Disulfide  
Concen: 17.820 ug/l  
RT: 1.83 min Scan# 122  
Delta R.T. -0.00 min  
Lab File: VF061788.D  
Acq: 28 Feb 2019 15:30

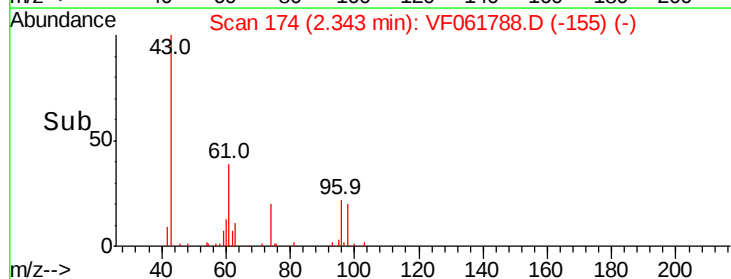
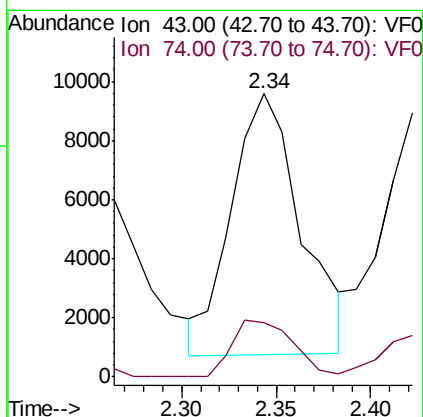
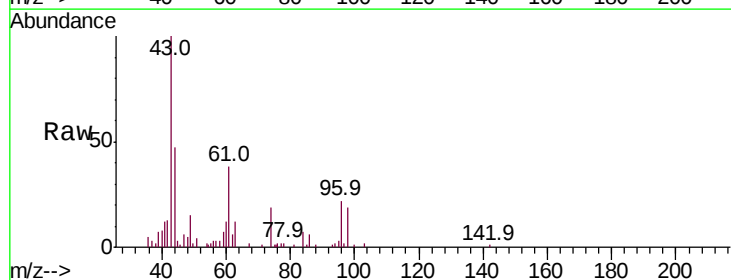
Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0228SBSD01

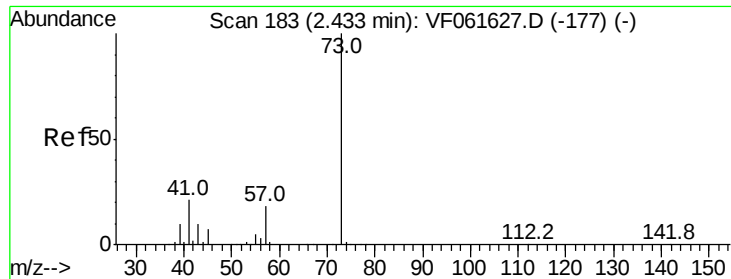
Tot Ion: 76 Resp: 128126  
Ion Ratio Lower Upper  
76 100  
78 10.7 7.9 11.9



#18  
Methyl Acetate  
Concen: 23.977 ug/l  
RT: 2.34 min Scan# 174  
Delta R.T. -0.01 min  
Lab File: VF061788.D  
Acq: 28 Feb 2019 15:30

Tgt Ion: 43 Resp: 22685  
Ion Ratio Lower Upper  
43 100  
74 19.0 14.6 21.8

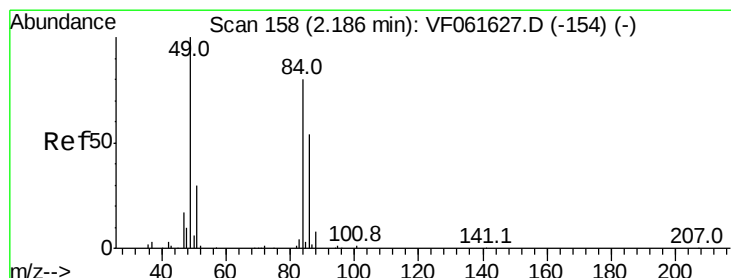
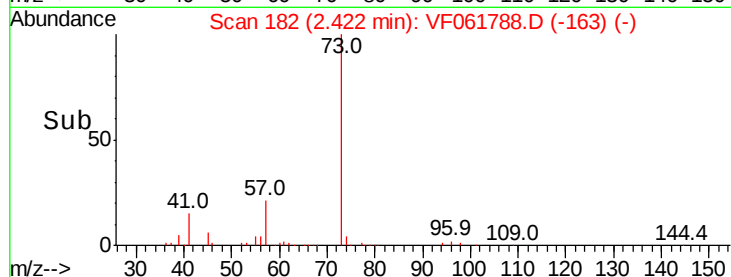
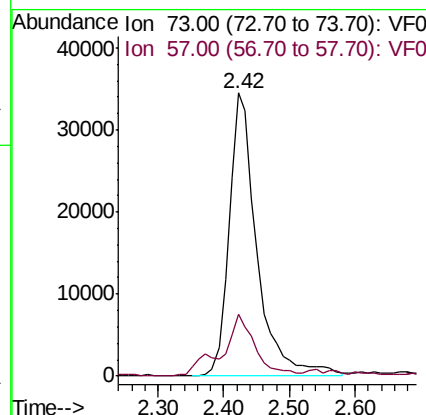
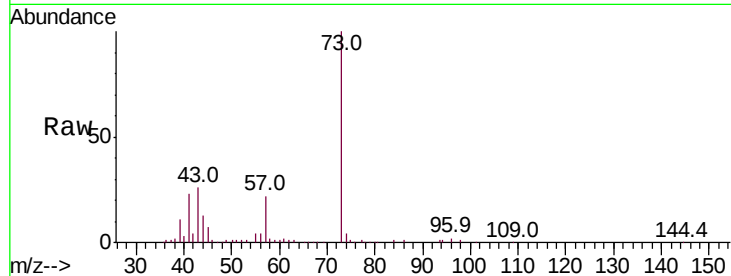




#19  
Methyl tert-butyl Ether  
Concen: 26.102 ug/l  
RT: 2.42 min Scan# 182  
Delta R.T. -0.01 min  
Lab File: VF061788.D  
Acq: 28 Feb 2019 15:30

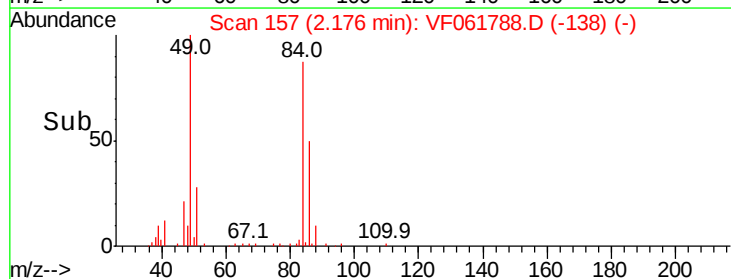
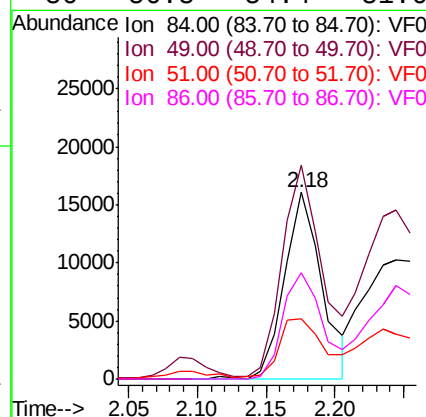
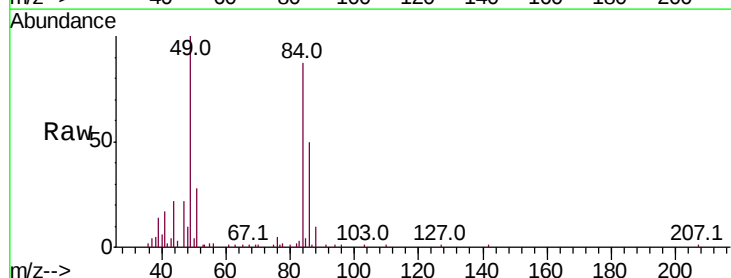
Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0228SBSD01

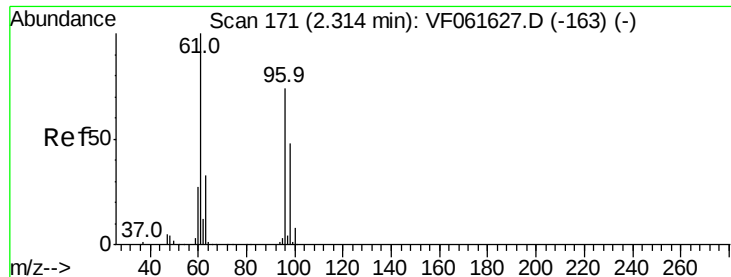
Tot Ion: 73 Resp: 102038  
Ion Ratio Lower Upper  
73 100  
57 21.8 15.8 23.8



#20  
Methylene Chloride  
Concen: 11.519 ug/l  
RT: 2.18 min Scan# 157  
Delta R.T. -0.01 min  
Lab File: VF061788.D  
Acq: 28 Feb 2019 15:30

Tgt Ion: 84 Resp: 30289  
Ion Ratio Lower Upper  
84 100  
49 114.5 101.8 152.8  
51 32.2 31.1 46.7  
86 56.8 54.4 81.6





#21

trans-1,2-Dichloroethene

Concen: 23.645 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA\_F

ClientSampleId :

VF0228SBSD01

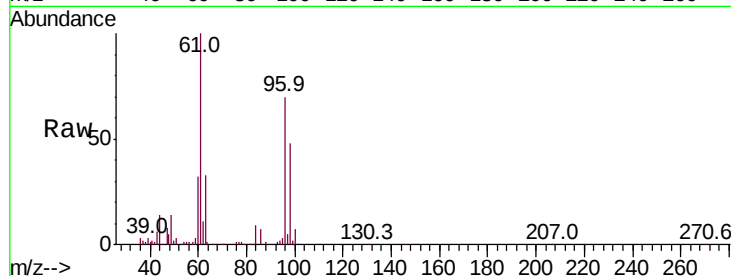
Tot Ion: 96 Resp: 58795

Ion Ratio Lower Upper

96 100

61 143.7 108.2 162.4

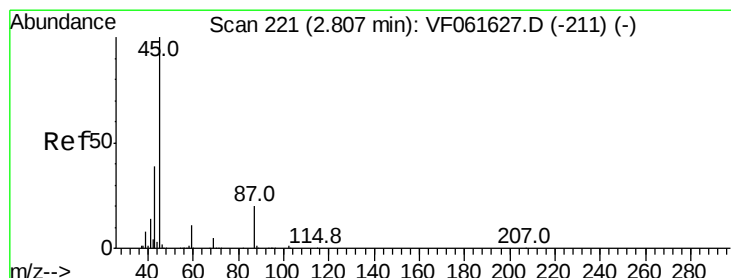
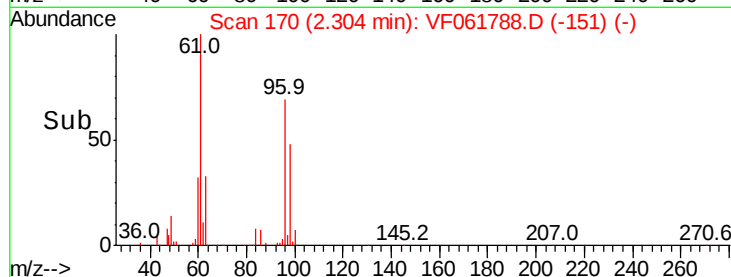
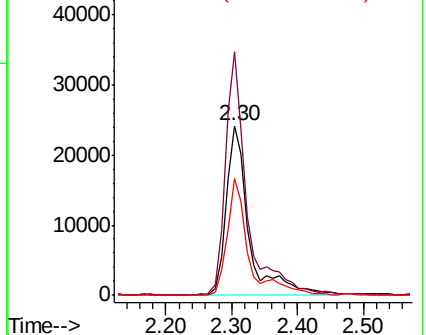
98 69.3 52.2 78.2



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



#22

Diisopropyl ether

Concen: 25.139 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.01 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Tgt Ion: 45 Resp: 169379

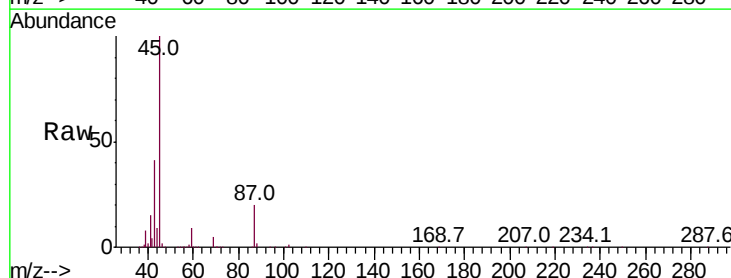
Ion Ratio Lower Upper

45 100

43 41.2 31.4 47.2

87 20.0 16.3 24.5

59 9.2 8.7 13.1

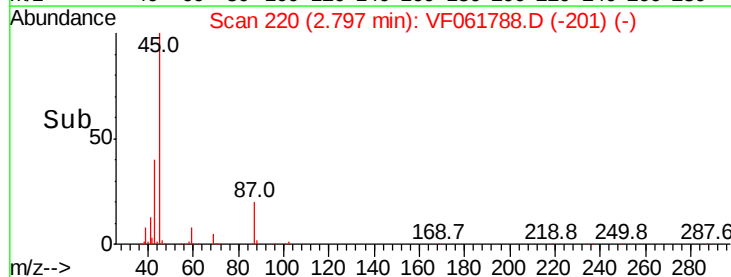
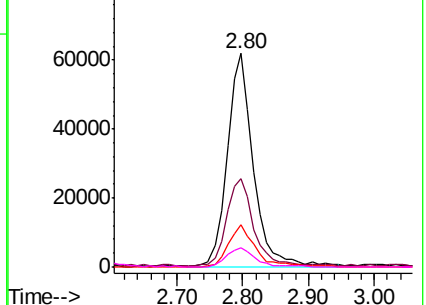


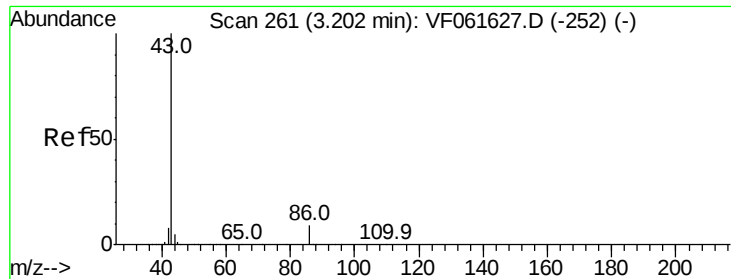
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 111.751 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA\_F

ClientSampleId :

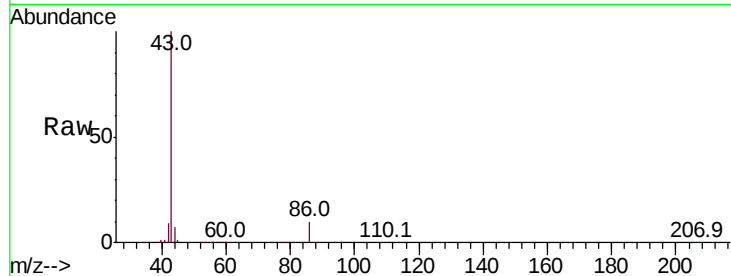
VF0228SBSD01

Tot Ion: 43 Resp: 367752

Ion Ratio Lower Upper

43 100

86 9.7 7.5 11.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

150000

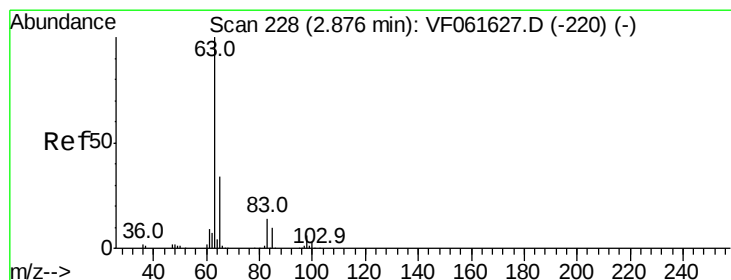
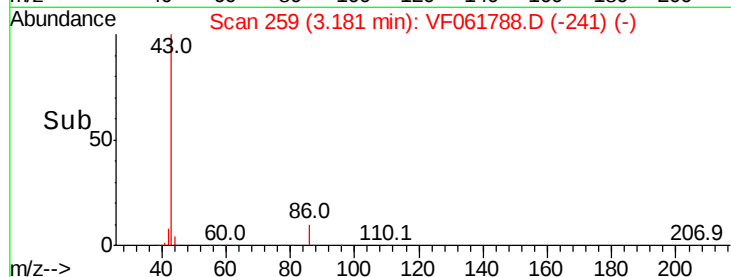
100000

50000

0

3.00 3.10 3.20 3.30 3.40

Time-->



#24

1,1-Dichloroethane

Concen: 24.267 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.01 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

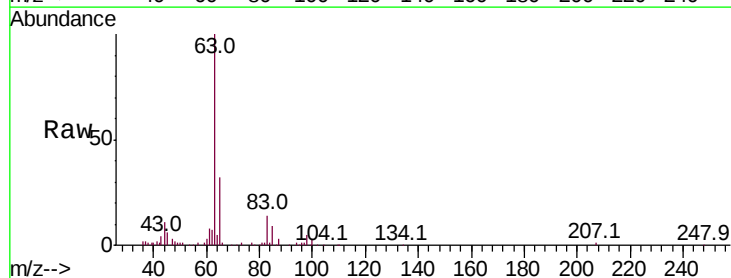
Tgt Ion: 63 Resp: 98943

Ion Ratio Lower Upper

63 100

98 4.8 2.8 8.3

100 3.2 1.8 5.4



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

50000

40000

30000

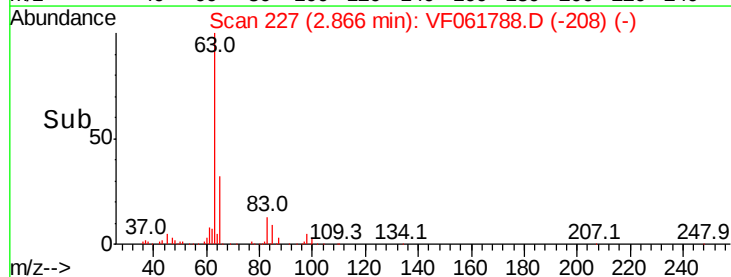
20000

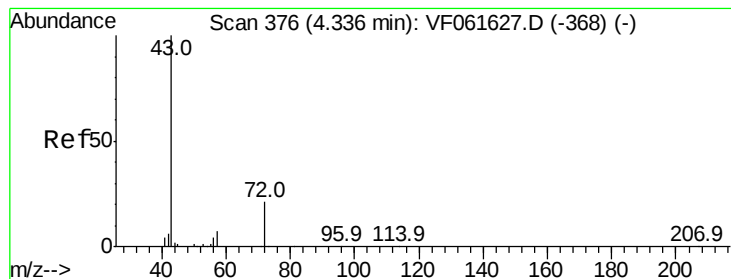
10000

0

2.70 2.80 2.90 3.00

Time-->





#25

2-Butanone

Concen: 112.058 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.01 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA\_F

ClientSampleId :

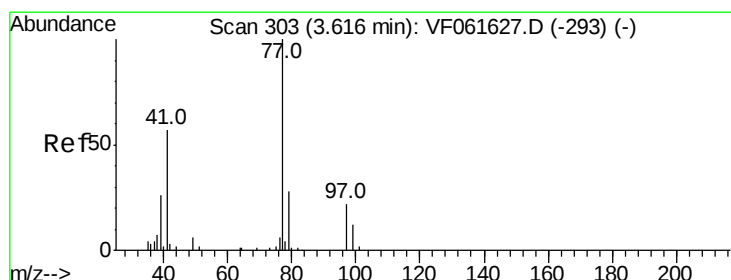
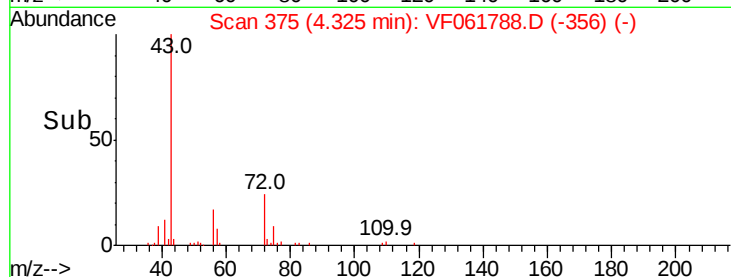
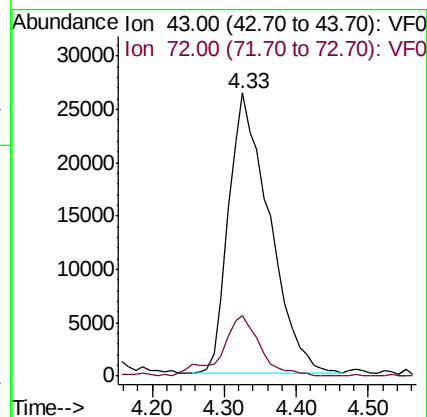
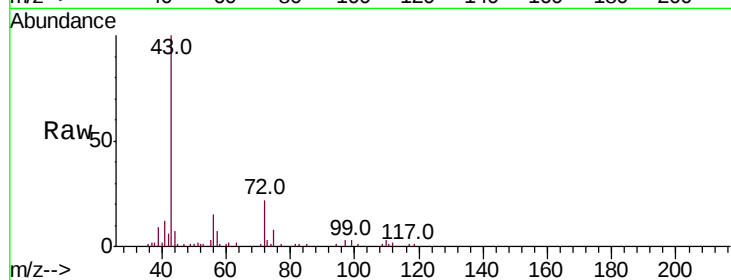
VF0228SBS01

Tot Ion: 43 Resp: 102799

Ion Ratio Lower Upper

43 100

72 21.5 17.1 25.7



#26

2,2-Dichloropropane

Concen: 26.901 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.02 min

Lab File: VF061788.D

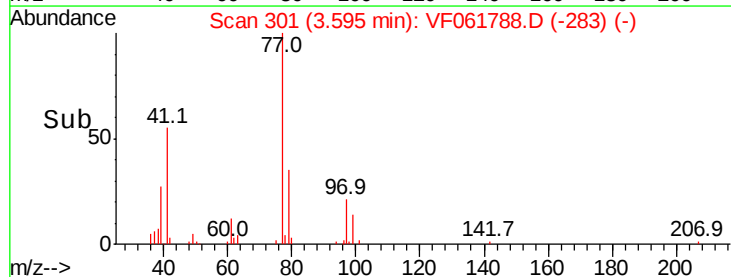
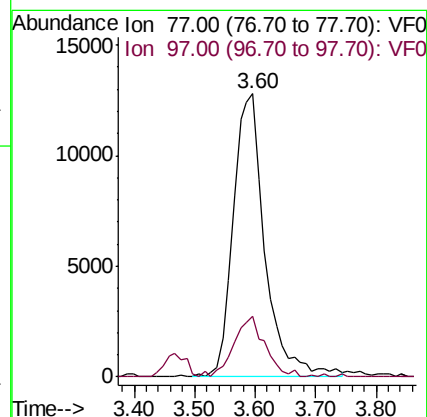
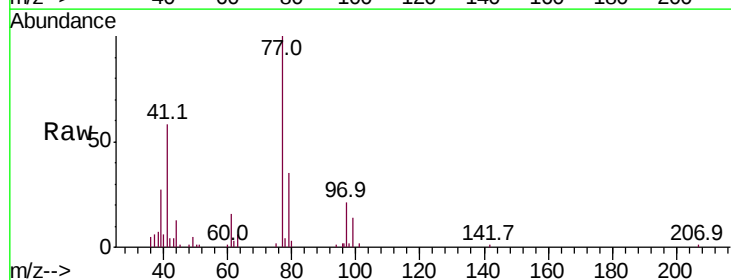
Acq: 28 Feb 2019 15:30

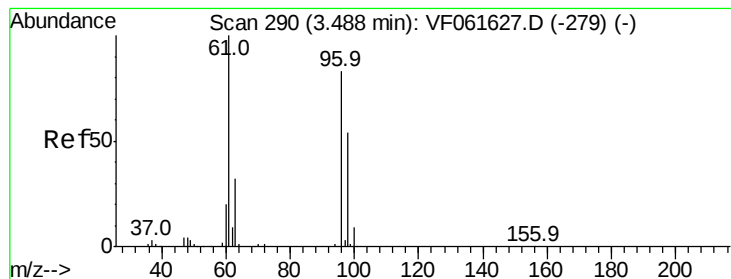
Tgt Ion: 77 Resp: 46460

Ion Ratio Lower Upper

77 100

97 21.4 11.7 35.0



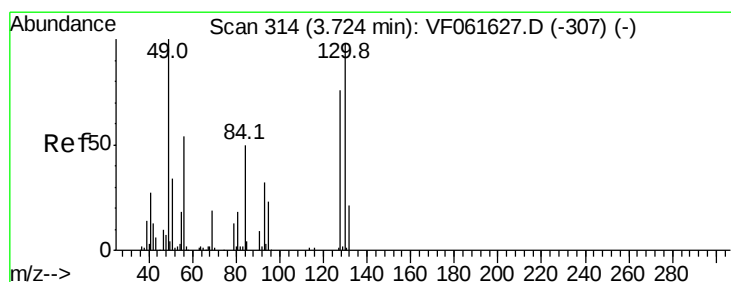
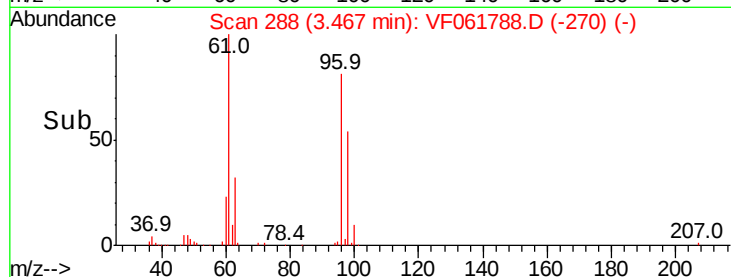
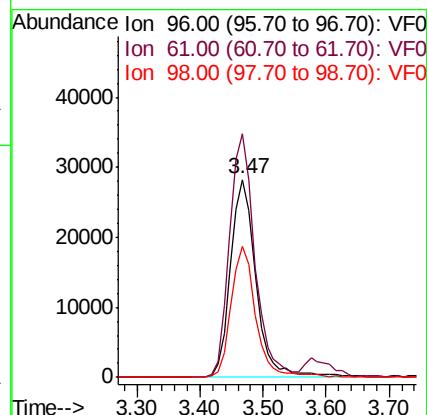
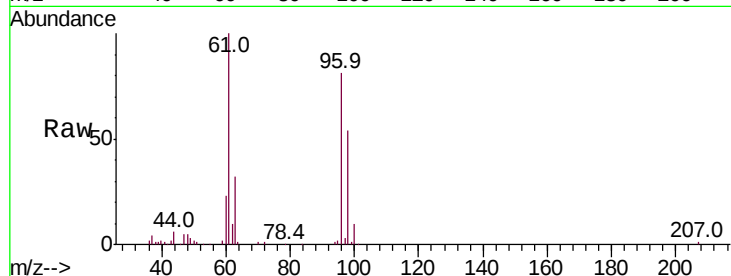


#27

cis-1,2-Dichloroethene  
Concen: 24.224 ug/l  
RT: 3.47 min Scan# 288  
Delta R.T. -0.02 min  
Lab File: VF061788.D  
Acq: 28 Feb 2019 15:30

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0228SBSD01

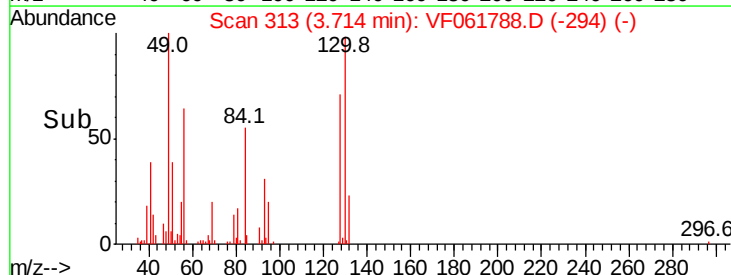
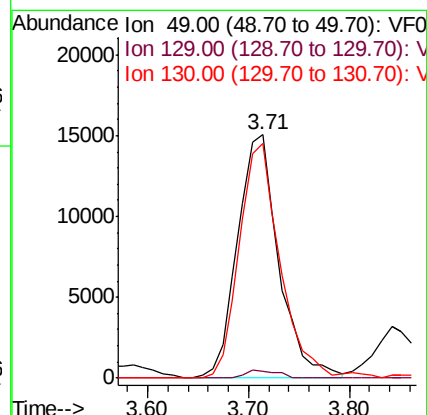
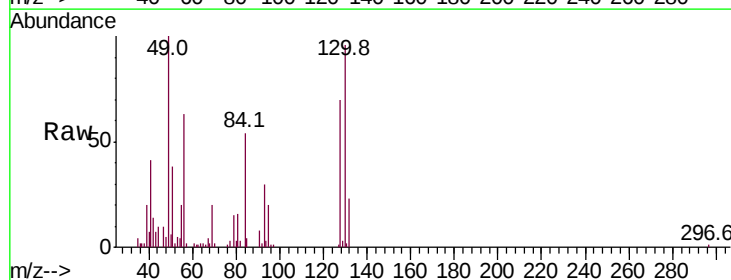
Tot Ion: 96 Resp: 79061  
Ion Ratio Lower Upper  
96 100  
61 122.9 0.0 241.6  
98 66.0 0.0 130.2

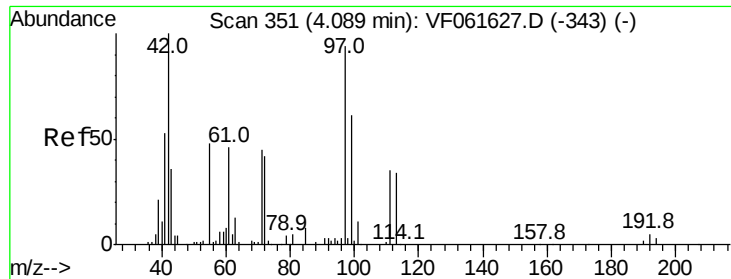


#28

Bromochloromethane  
Concen: 21.974 ug/l  
RT: 3.71 min Scan# 313  
Delta R.T. -0.01 min  
Lab File: VF061788.D  
Acq: 28 Feb 2019 15:30

Tgt Ion: 49 Resp: 42990  
Ion Ratio Lower Upper  
49 100  
129 2.9 0.0 3.4  
130 96.5 77.7 116.5





#29

Tetrahydrofuran

Concen: 110.583 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.03 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA\_F

ClientSampleId :

VF0228SBS01

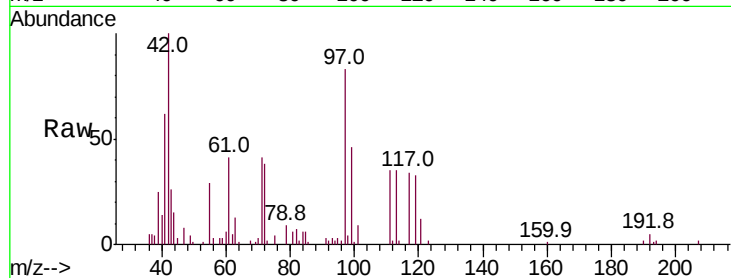
Tot Ion: 42 Resp: 46108

Ion Ratio Lower Upper

42 100

72 39.3 35.2 52.8

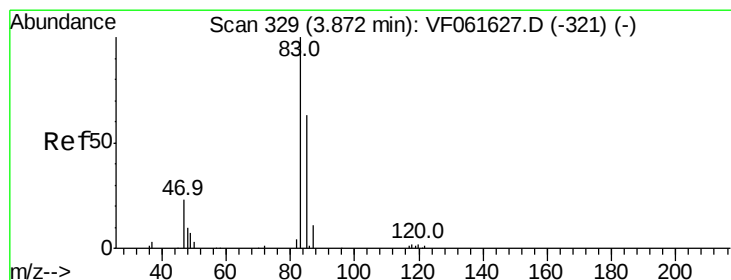
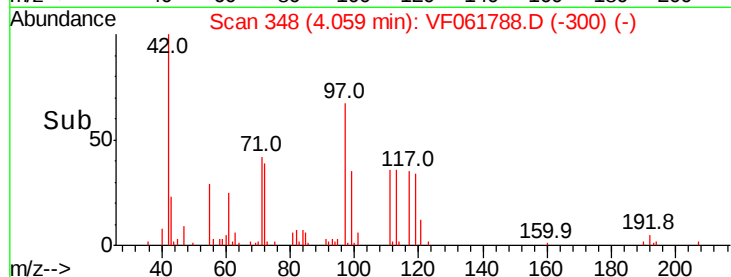
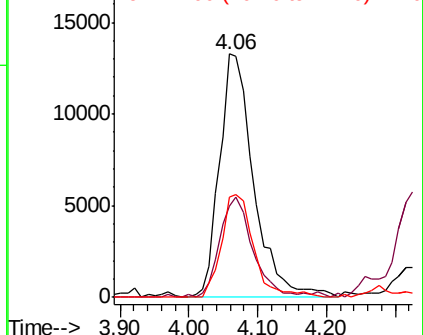
71 39.7 32.9 49.3



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 25.135 ug/l

RT: 3.85 min Scan# 327

Delta R.T. -0.02 min

Lab File: VF061788.D

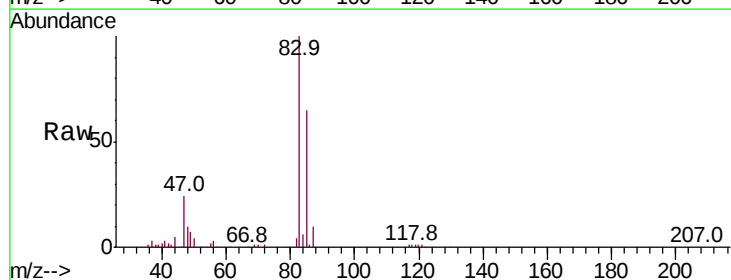
Acq: 28 Feb 2019 15:30

Tgt Ion: 83 Resp: 116550

Ion Ratio Lower Upper

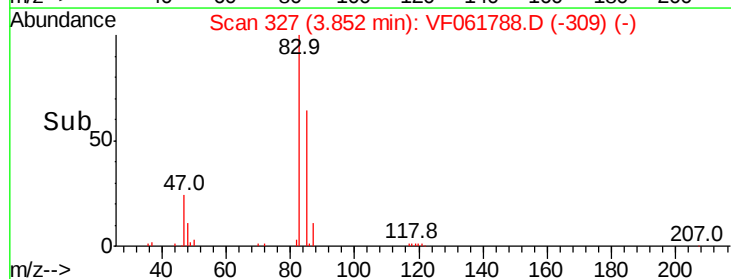
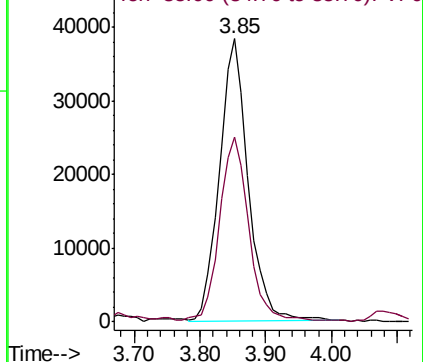
83 100

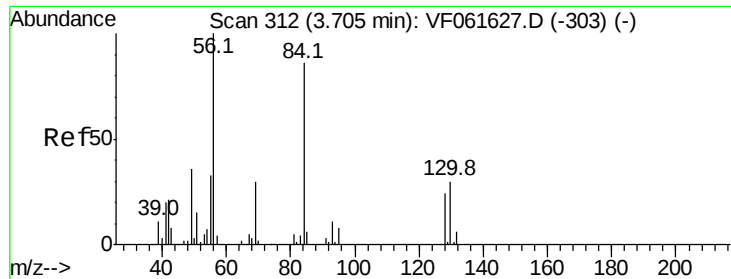
85 65.2 51.1 76.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

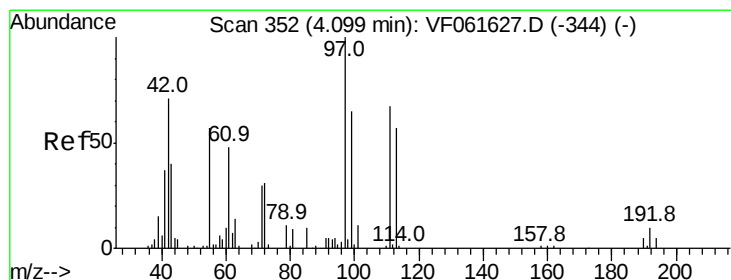
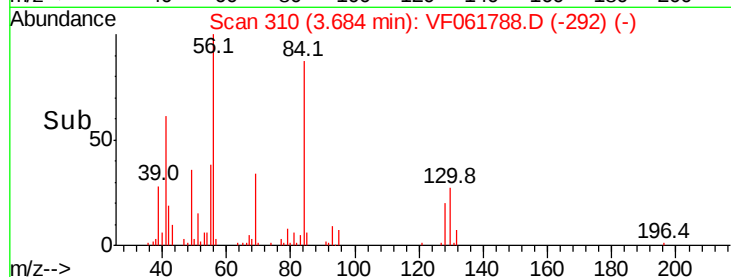
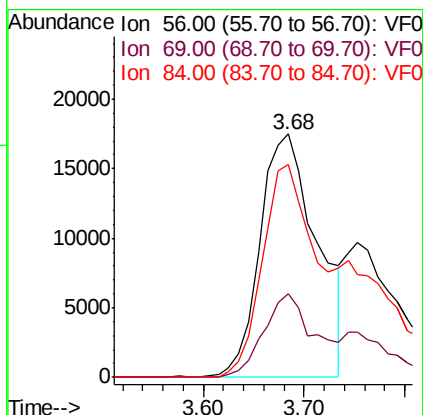
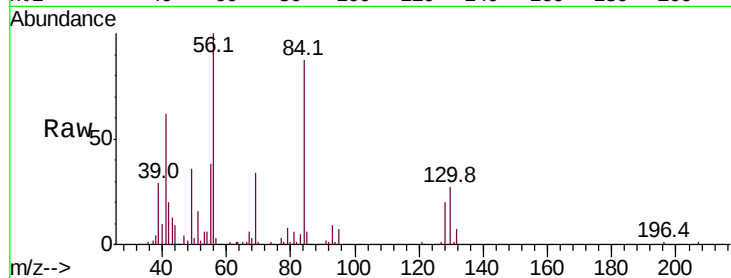




#31  
Cyclohexane  
Concen: 15.624 ug/l  
RT: 3.68 min Scan# 310  
Delta R.T. -0.02 min  
Lab File: VF061788.D  
Acq: 28 Feb 2019 15:30

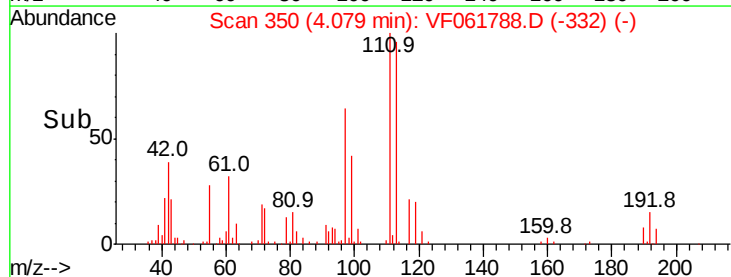
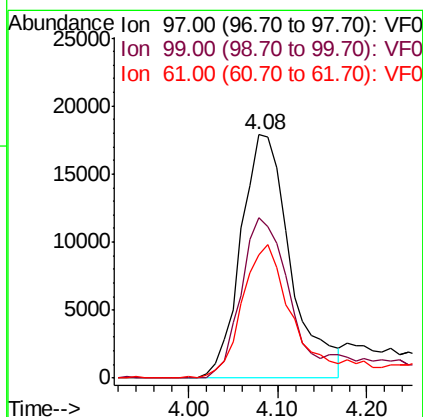
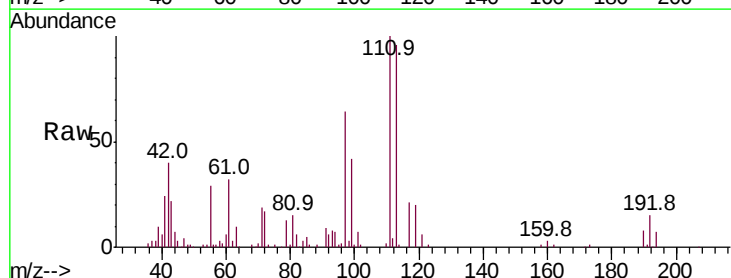
Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0228SBS01

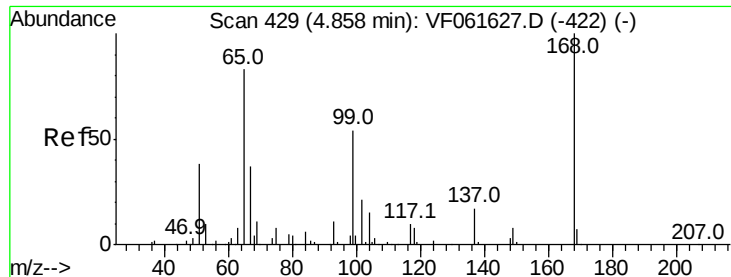
Tot Ion: 56 Resp: 68963  
Ion Ratio Lower Upper  
56 100  
69 34.3 23.8 35.8  
84 87.2 68.6 103.0



#32  
1,1,1-Trichloroethane  
Concen: 22.786 ug/l  
RT: 4.08 min Scan# 350  
Delta R.T. -0.02 min  
Lab File: VF061788.D  
Acq: 28 Feb 2019 15:30

Tgt Ion: 97 Resp: 69212  
Ion Ratio Lower Upper  
97 100  
99 65.6 52.2 78.2  
61 50.5 39.2 58.8





#33

1,2-Dichloroethane-d4

Concen: 60.613 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.03 min

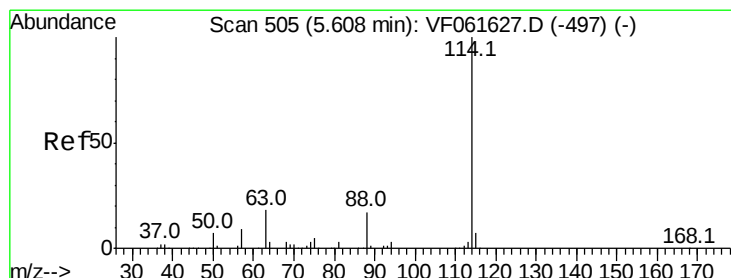
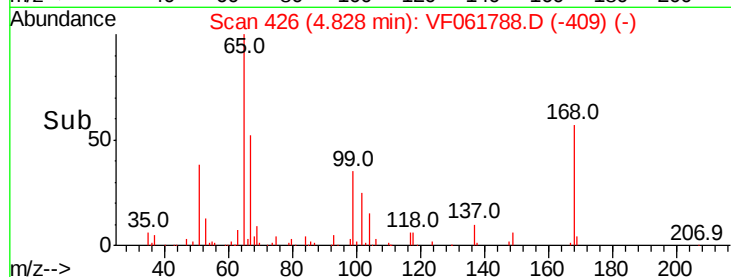
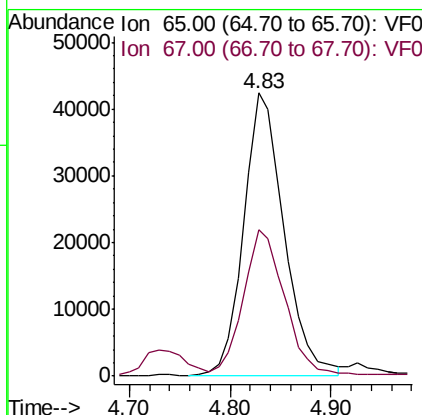
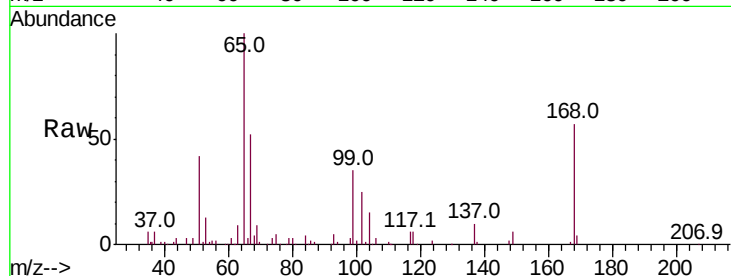
Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0228SBSD01

Tot Ion: 65 Resp: 118647

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 51.8  | 0.0   | 104.0 |



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

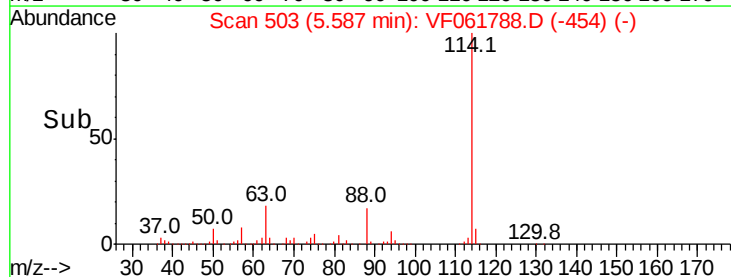
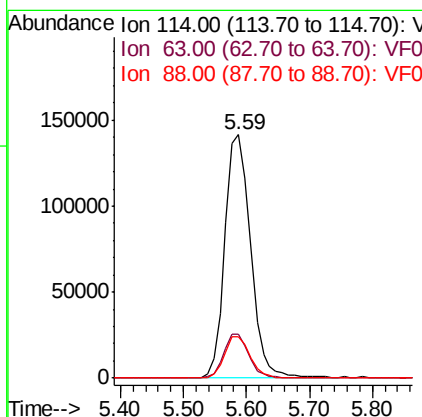
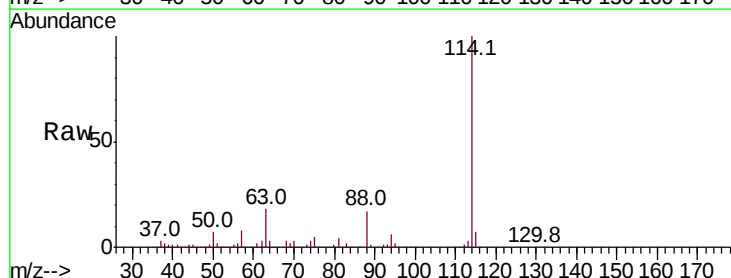
Delta R.T. -0.02 min

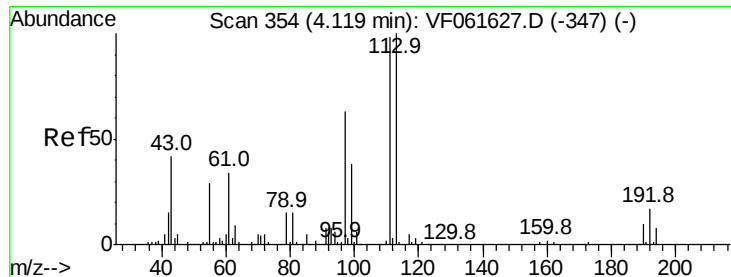
Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Tgt Ion: 114 Resp: 402861

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 18.0  | 0.0   | 36.6  |
| 88  | 17.2  | 0.0   | 34.4  |

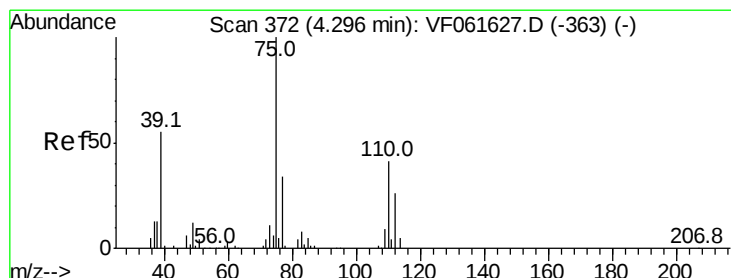
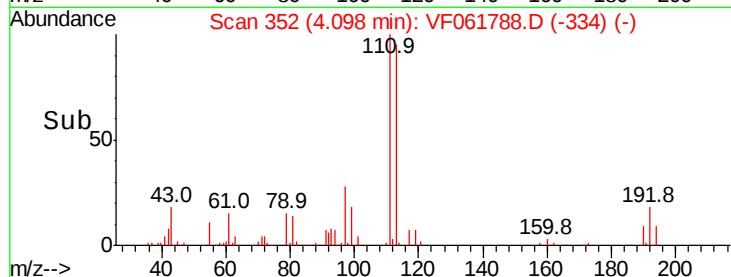
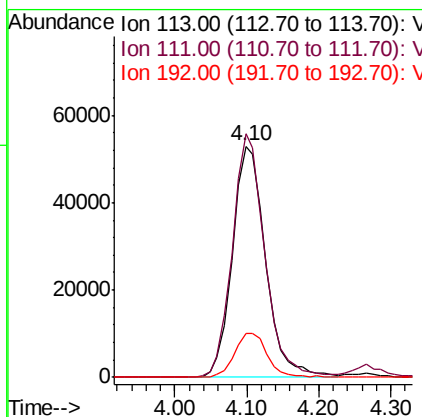
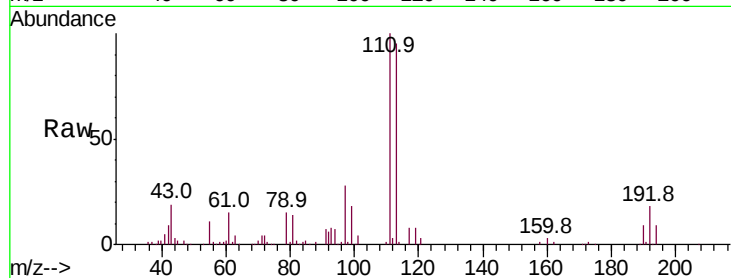




#35  
Dibromofluoromethane  
Concen: 56.975 ug/l  
RT: 4.10 min Scan# 352  
Delta R.T. -0.02 min  
Lab File: VF061788.D  
Acq: 28 Feb 2019 15:30

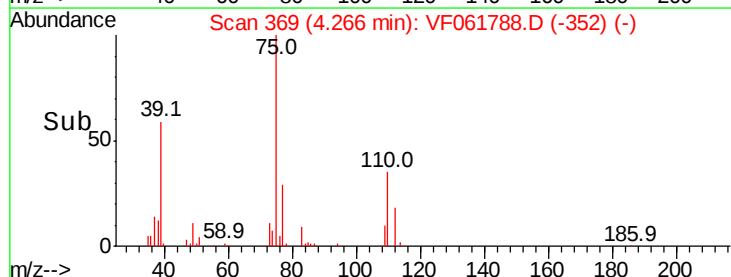
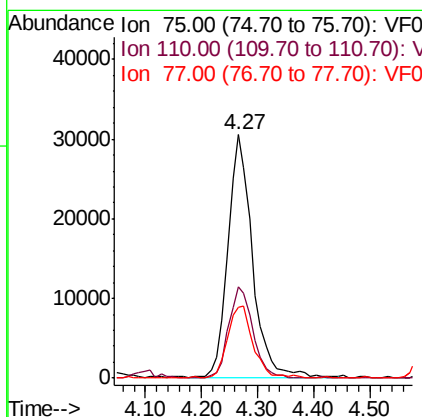
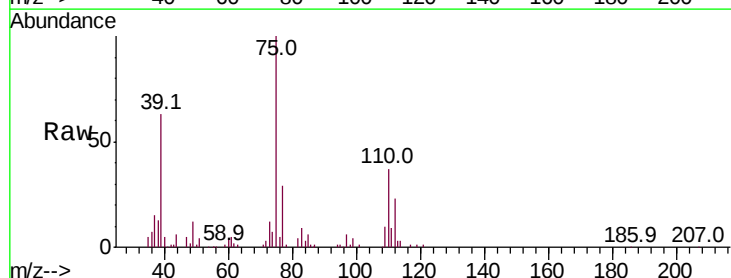
Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0228SBSD01

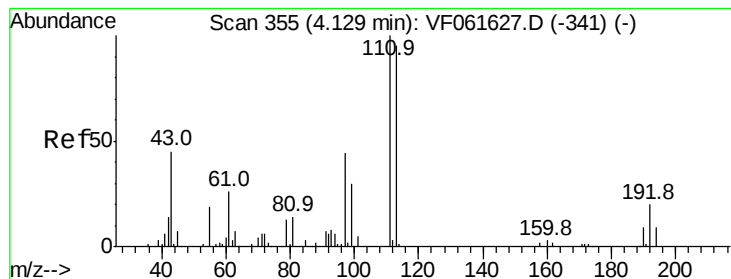
Tot Ion:113 Resp: 170451  
Ion Ratio Lower Upper  
113 100  
111 105.3 78.8 118.2  
192 18.8 13.4 20.0



#36  
1,1-Dichloropropene  
Concen: 23.376 ug/l  
RT: 4.27 min Scan# 369  
Delta R.T. -0.03 min  
Lab File: VF061788.D  
Acq: 28 Feb 2019 15:30

Tgt Ion: 75 Resp: 93290  
Ion Ratio Lower Upper  
75 100  
110 37.3 20.5 61.6  
77 29.2 27.0 40.4





#37

Ethyl Acetate

Concen: 20.555 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.03 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA\_F

ClientSampleId :

VF0228SBSD01

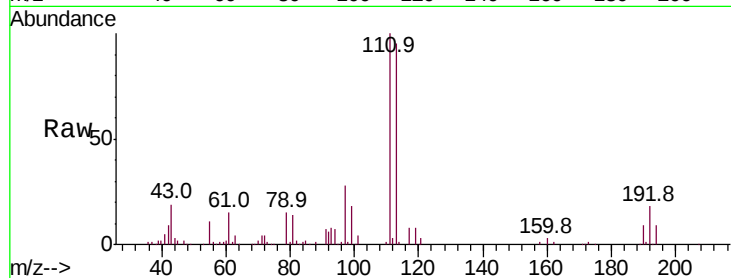
Tot Ion: 43 Resp: 38102

Ion Ratio Lower Upper

43 100

61 77.3 45.7 68.5#

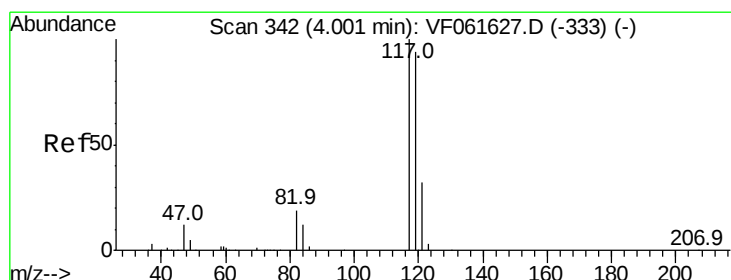
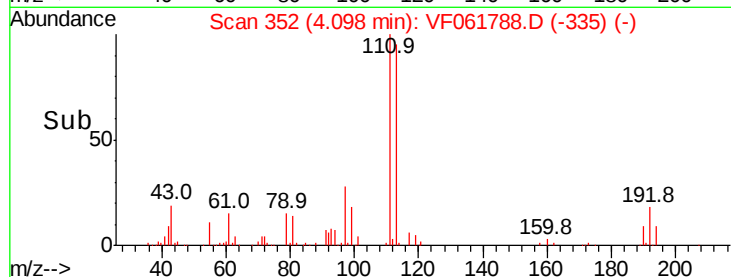
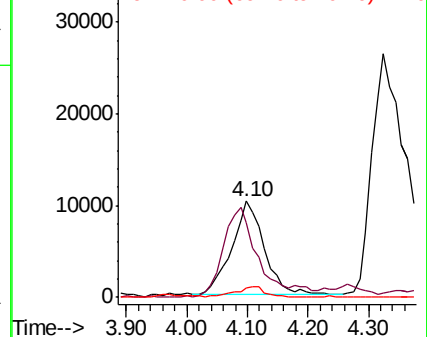
70 10.3 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 26.154 ug/l

RT: 3.98 min Scan# 340

Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

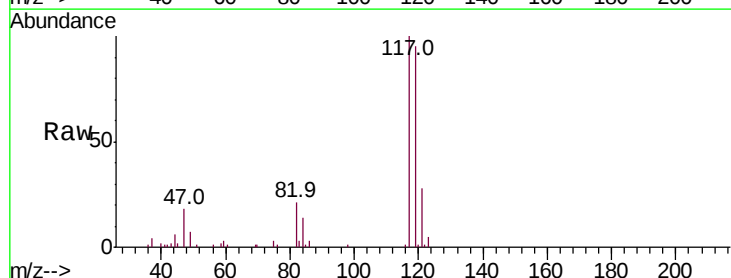
Tgt Ion: 117 Resp: 72074

Ion Ratio Lower Upper

117 100

119 94.9 75.6 113.4

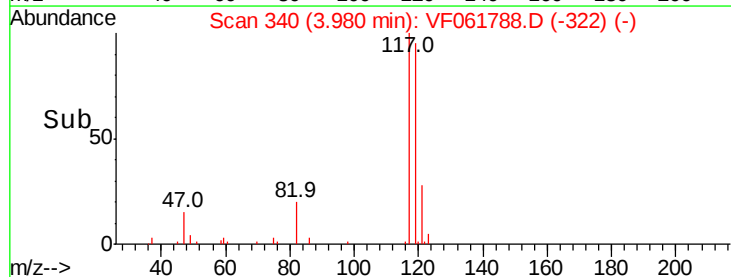
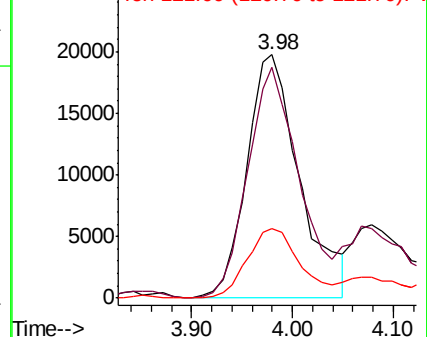
121 28.4 25.2 37.8

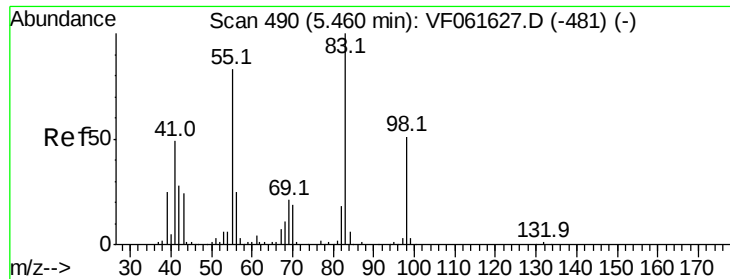


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

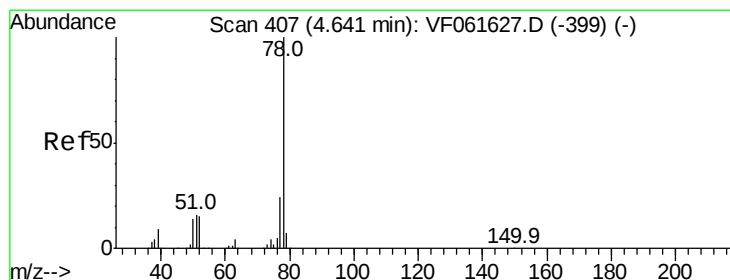
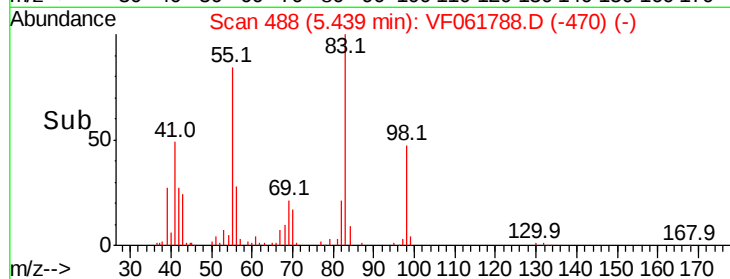
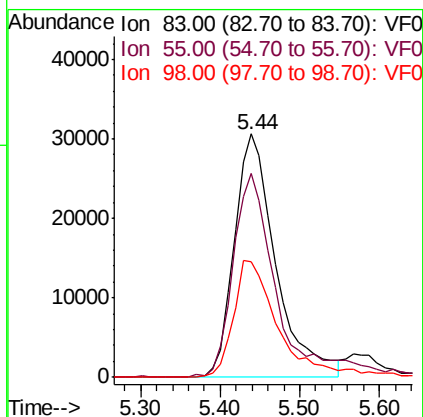
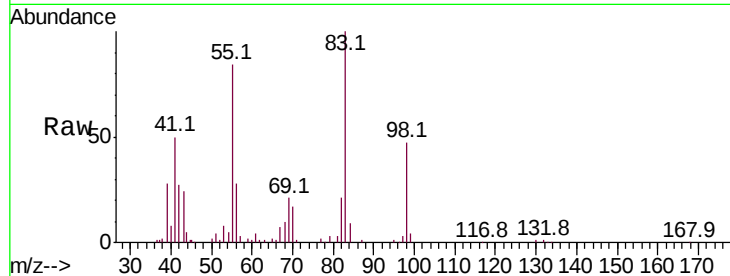




#39  
Methvlcvclohexane  
Concen: 23.442 ug/l  
RT: 5.44 min Scan# 488  
Delta R.T. -0.02 min  
Lab File: VF061788.D  
Acq: 28 Feb 2019 15:30

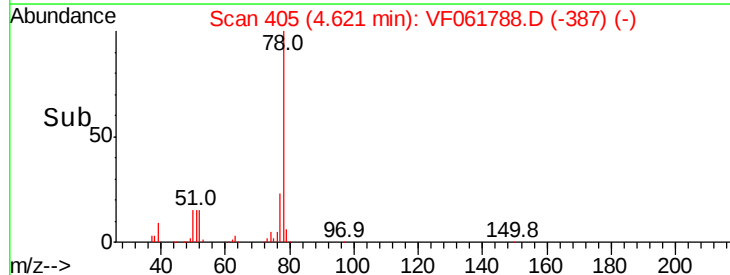
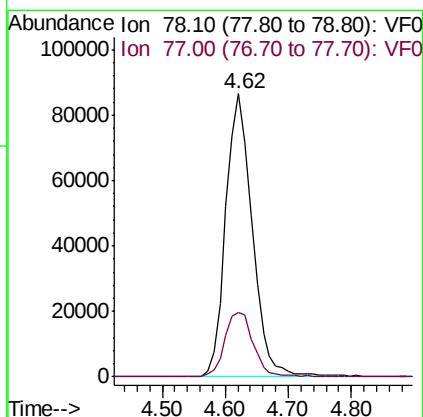
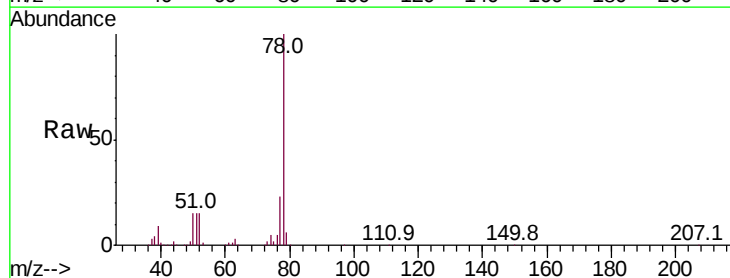
Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0228SBS01

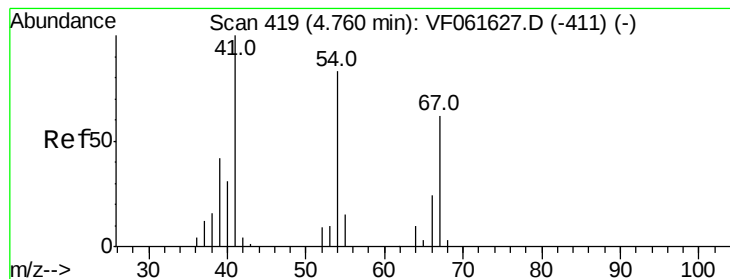
Tot Ion: 83 Resp: 110641  
Ion Ratio Lower Upper  
83 100  
55 83.7 66.6 99.8  
98 47.3 40.4 60.6



#40  
Benzene  
Concen: 24.196 ug/l  
RT: 4.62 min Scan# 405  
Delta R.T. -0.02 min  
Lab File: VF061788.D  
Acq: 28 Feb 2019 15:30

Tgt Ion: 78 Resp: 252571  
Ion Ratio Lower Upper  
78 100  
77 23.0 19.0 28.6





#41

Methacrylonitrile

Concen: 21.966 ug/l

RT: 4.73 min Scan# 416

Delta R.T. -0.03 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA\_F

ClientSampleId :

VF0228SBS01

Tot Ion: 41 Resp: 20823

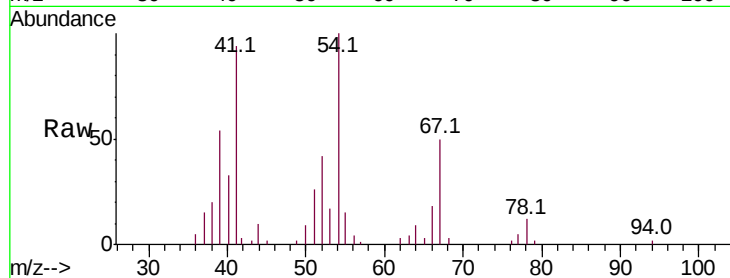
Ion Ratio Lower Upper

41 100

39 57.0 45.3 67.9

67 52.8 49.3 73.9

52 44.4 32.6 49.0

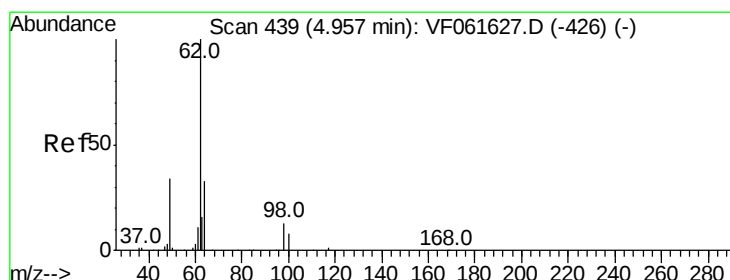
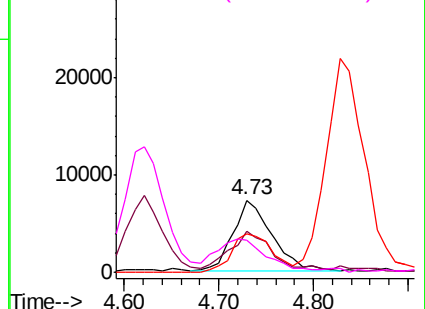
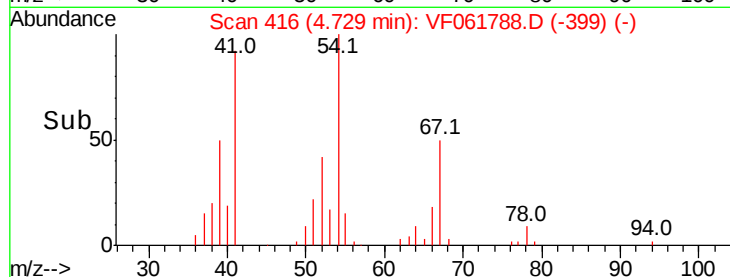


Abundance Ion 41.00 (40.70 to 41.70): VF0

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



#42

1,2-Dichloroethane

Concen: 25.367 ug/l

RT: 4.93 min Scan# 436

Delta R.T. -0.03 min

Lab File: VF061788.D

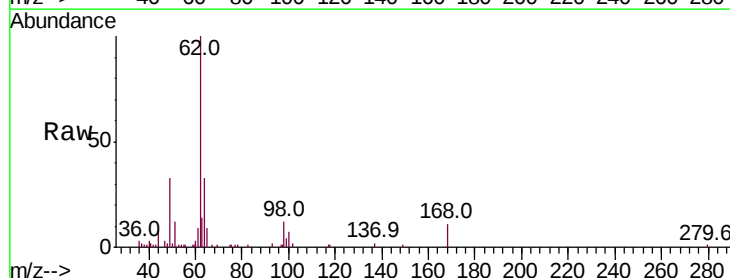
Acq: 28 Feb 2019 15:30

Tgt Ion: 62 Resp: 63342

Ion Ratio Lower Upper

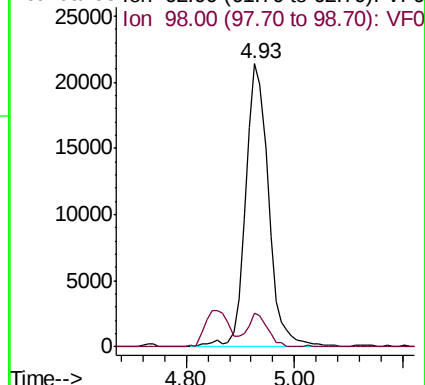
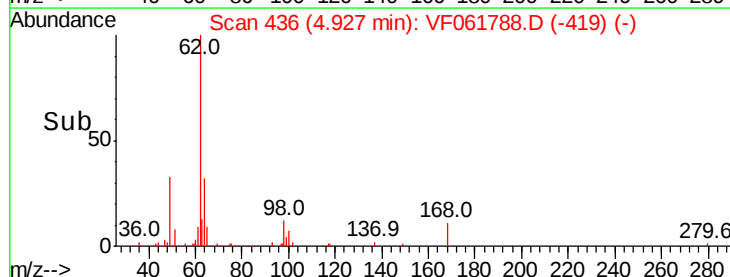
62 100

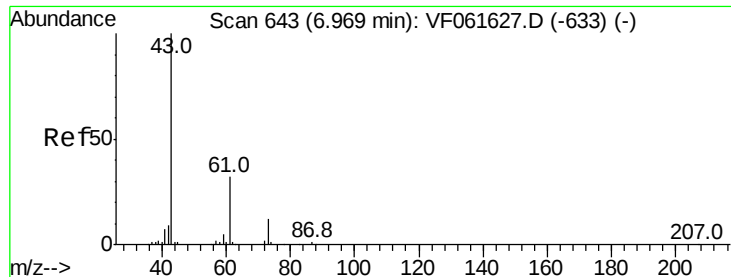
98 11.9 0.0 26.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 20.564 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA\_F

ClientSampleId :

VF0228SBS01

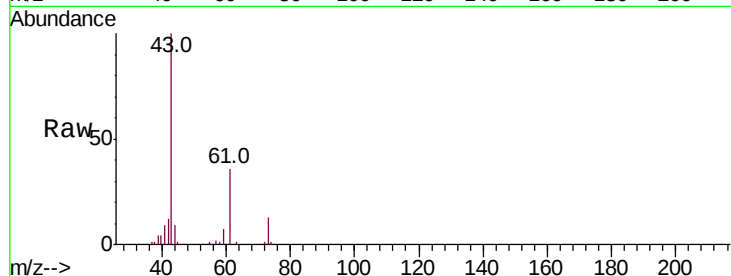
Tot Ion: 43 Resp: 45121

Ion Ratio Lower Upper

43 100

61 35.9 25.8 38.6

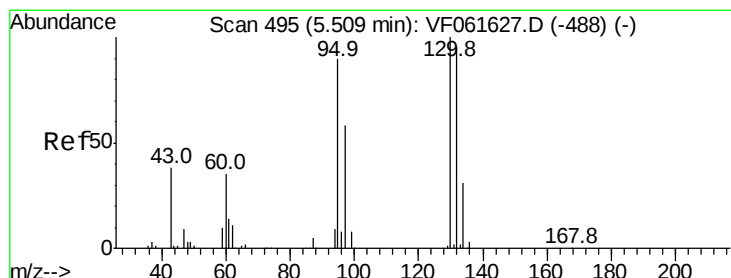
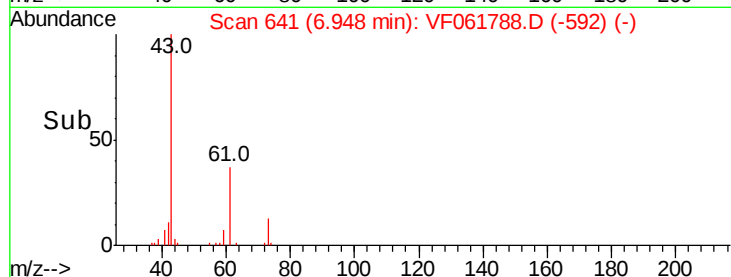
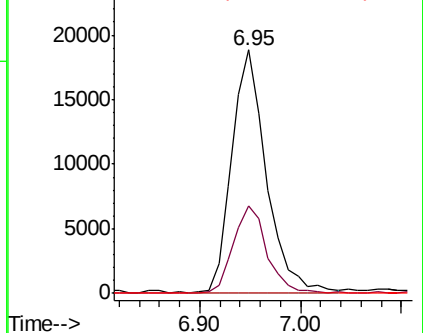
87 0.0 0.4 0.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 25.215 ug/l

RT: 5.49 min Scan# 493

Delta R.T. -0.02 min

Lab File: VF061788.D

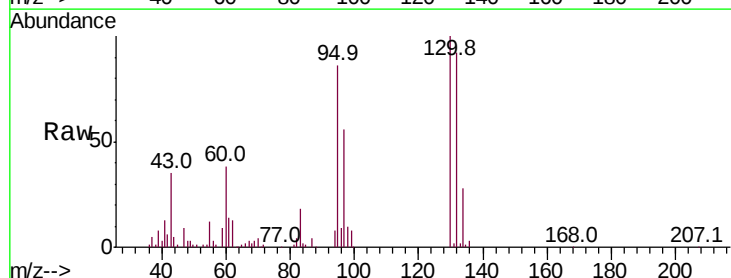
Acq: 28 Feb 2019 15:30

Tgt Ion:130 Resp: 85115

Ion Ratio Lower Upper

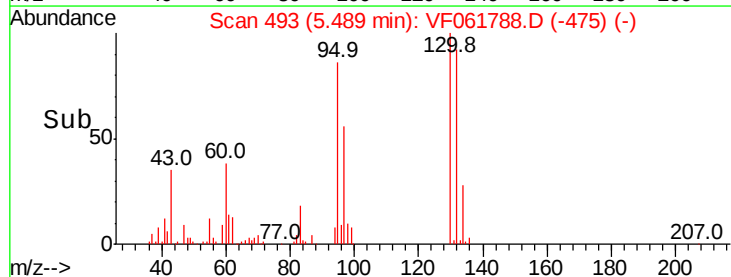
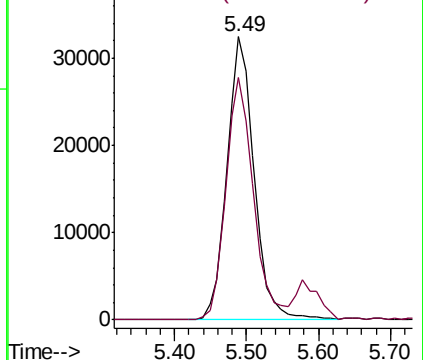
130 100

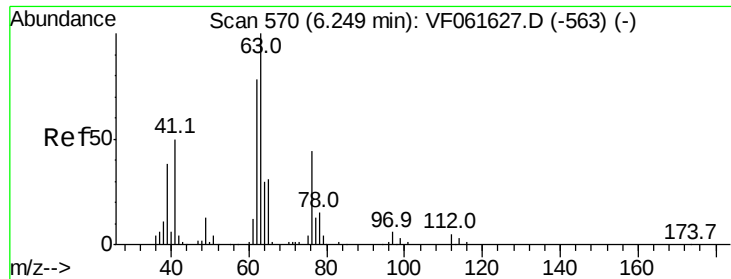
95 85.8 0.0 179.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 22.749 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.03 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA\_F

ClientSampleId :

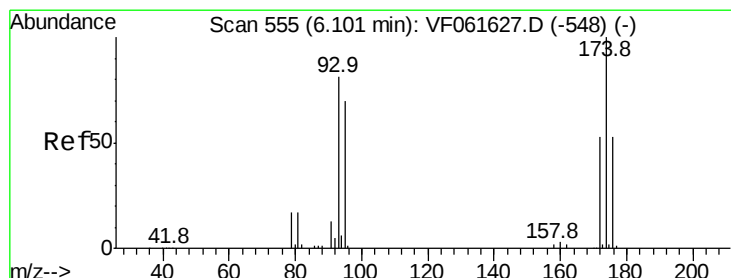
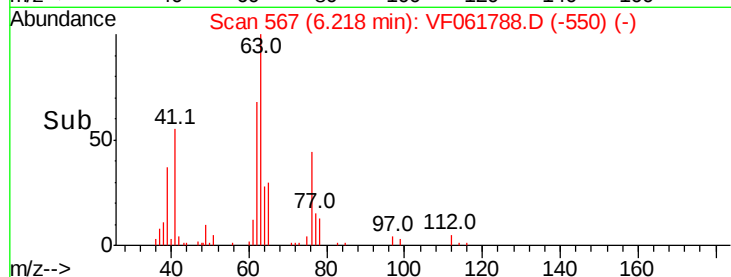
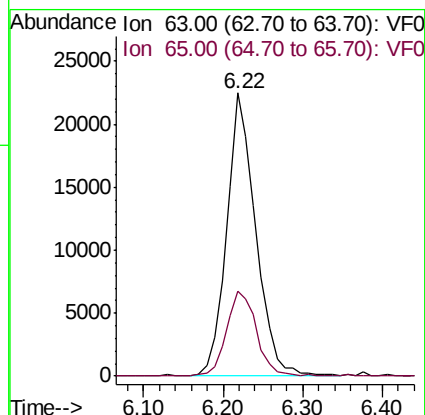
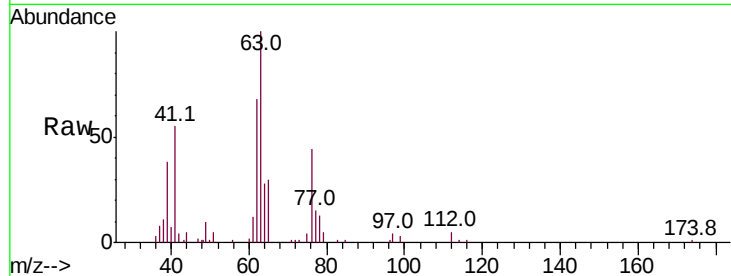
VF0228SBSD01

Tot Ion: 63 Resp: 57401

Ion Ratio Lower Upper

63 100

65 29.9 24.9 37.3



#46

Dibromomethane

Concen: 23.613 ug/l

RT: 6.07 min Scan# 552

Delta R.T. -0.03 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

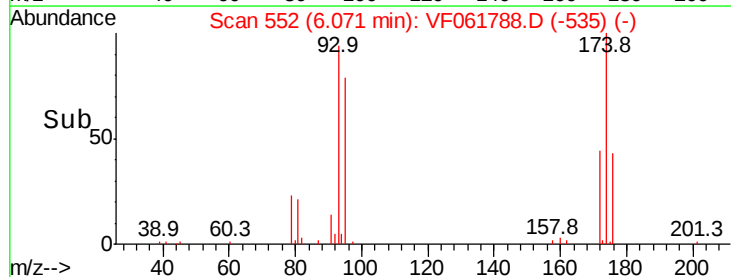
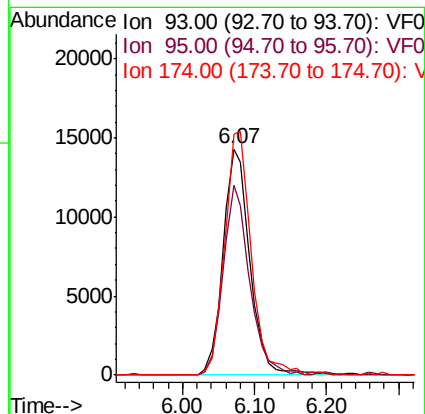
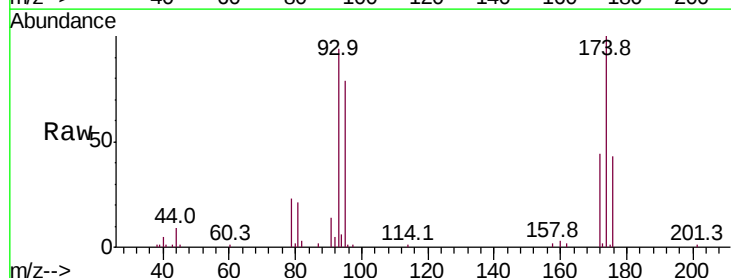
Tgt Ion: 93 Resp: 36684

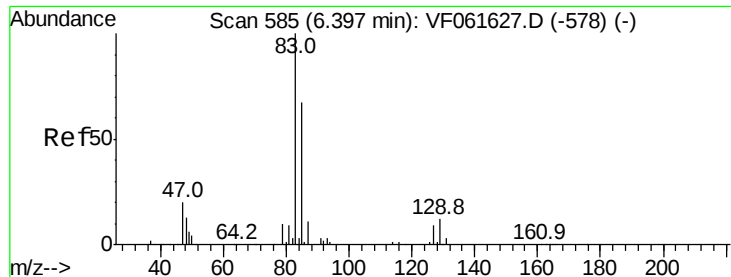
Ion Ratio Lower Upper

93 100

95 84.2 69.0 103.6

174 106.9 99.3 148.9





#47

Bromodichloromethane

Concen: 23.569 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA\_F

ClientSampleId :

VF0228SBSD01

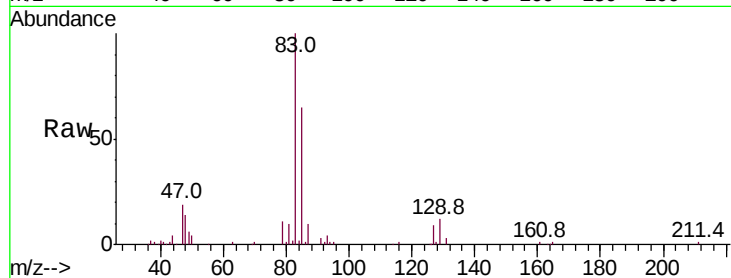
Tot Ion: 83 Resp: 80185

Ion Ratio Lower Upper

83 100

85 65.3 53.4 80.2

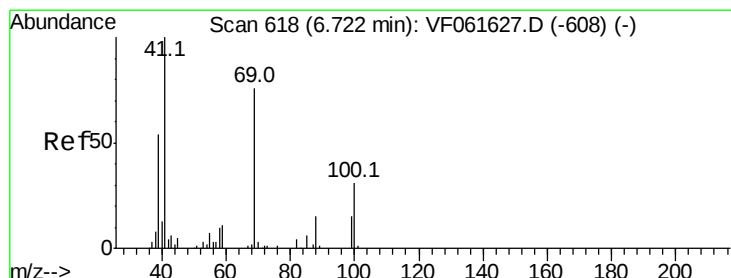
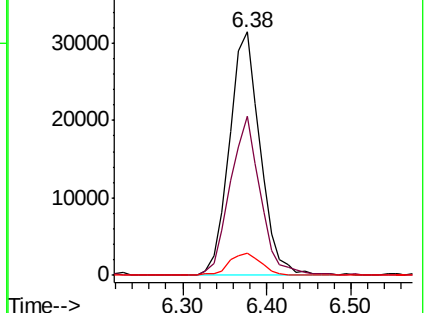
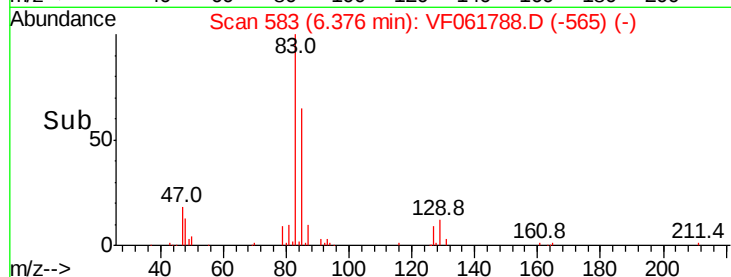
127 8.9 7.5 11.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 22.667 ug/l

RT: 6.70 min Scan# 616

Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

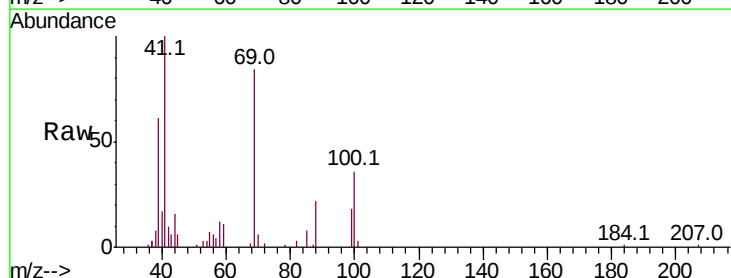
Tgt Ion: 41 Resp: 29930

Ion Ratio Lower Upper

41 100

69 84.2 60.4 90.6

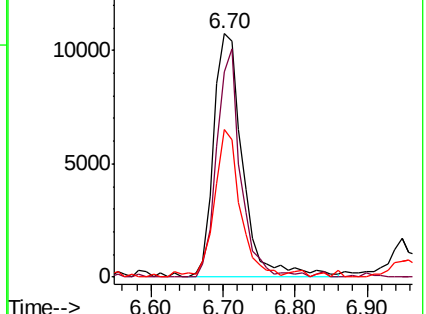
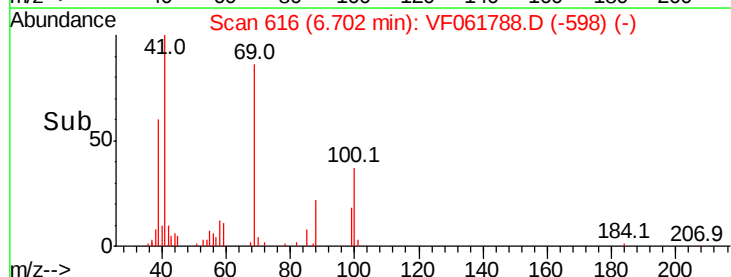
39 60.8 43.7 65.5

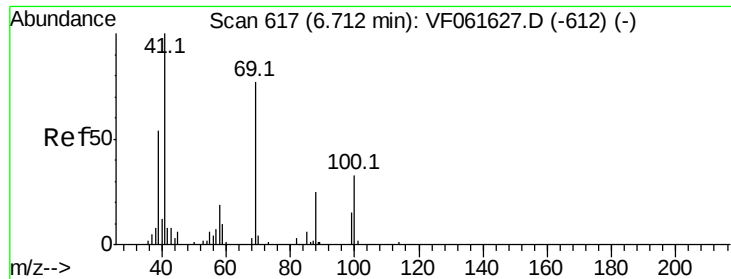


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

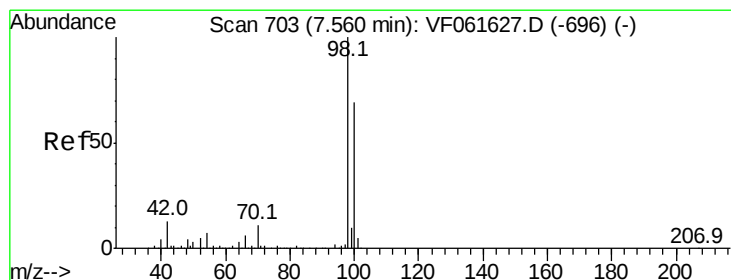
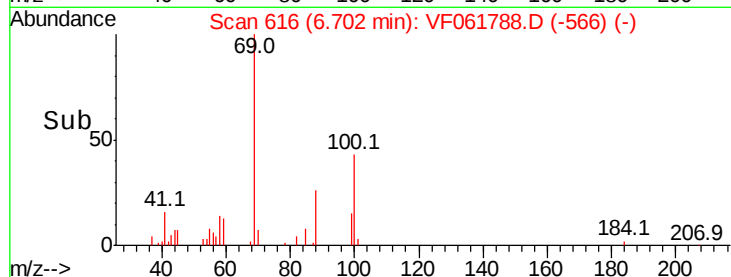
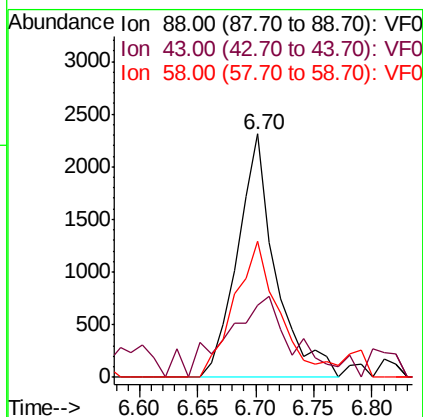
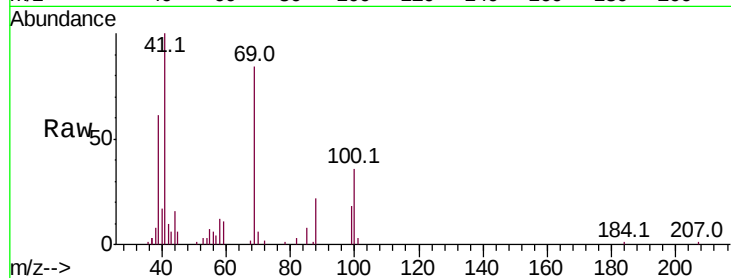




#49  
1,4-Dioxane  
Concen: 420.383 ug/l  
RT: 6.70 min Scan# 616  
Delta R.T. -0.01 min  
Lab File: VF061788.D  
Acq: 28 Feb 2019 15:30

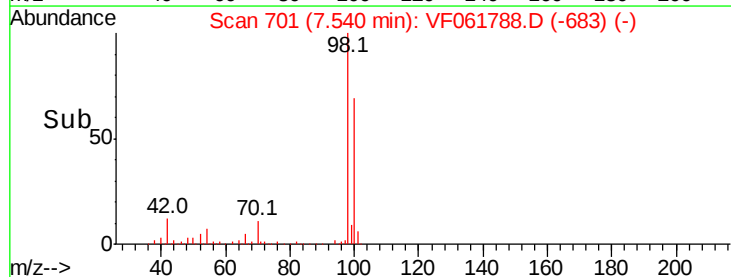
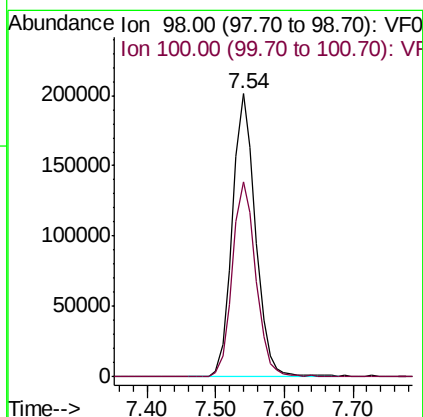
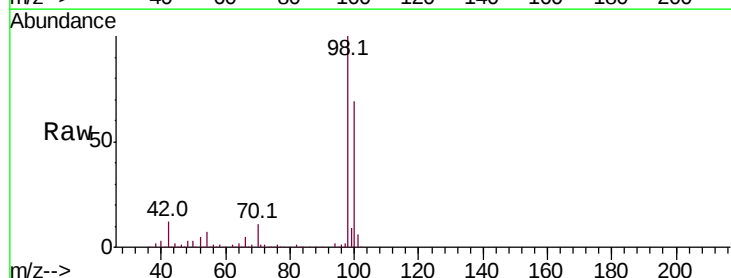
Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0228SBSD01

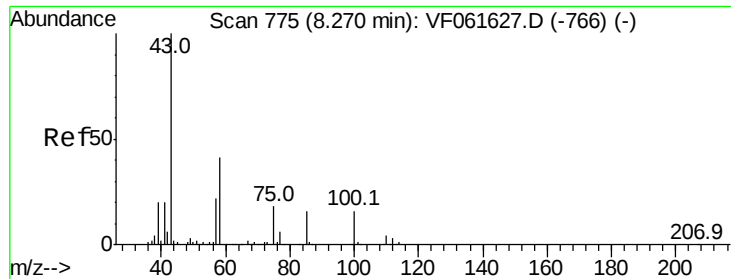
Tot Ion: 88 Resp: 5218  
Ion Ratio Lower Upper  
88 100  
43 29.8 32.3 48.5#  
58 55.7 59.4 89.2#



#50  
Toluene-d8  
Concen: 54.617 ug/l  
RT: 7.54 min Scan# 701  
Delta R.T. -0.02 min  
Lab File: VF061788.D  
Acq: 28 Feb 2019 15:30

Tgt Ion: 98 Resp: 469720  
Ion Ratio Lower Upper  
98 100  
100 68.8 55.4 83.2





#51

4-Methyl-2-Pentanone

Concen: 103.126 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA\_F

ClientSampleId :

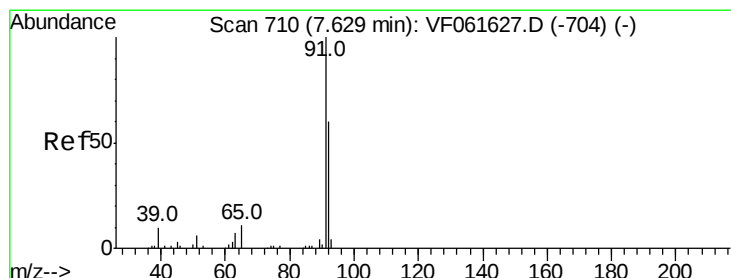
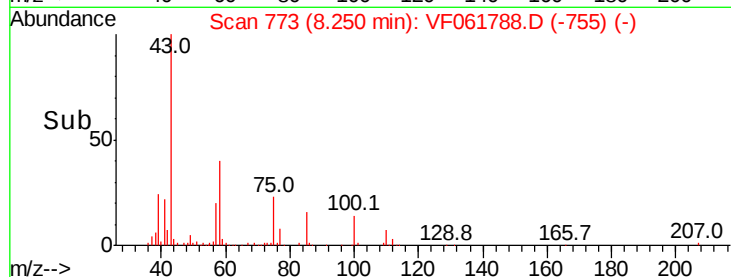
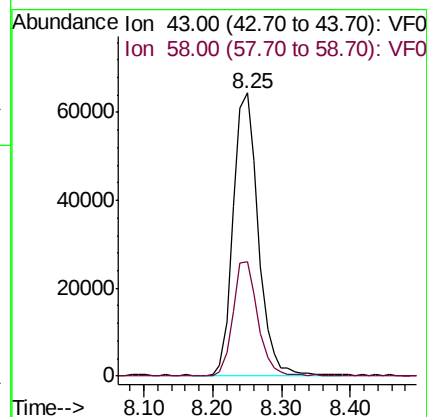
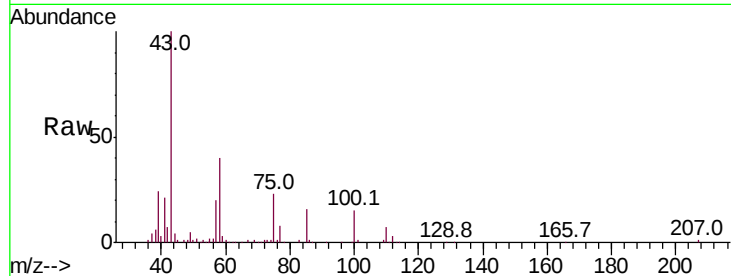
VF0228SBSD01

Tot Ion: 43 Resp: 161679

Ion Ratio Lower Upper

43 100

58 40.4 33.1 49.7



#52

Toluene

Concen: 24.133 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.02 min

Lab File: VF061788.D

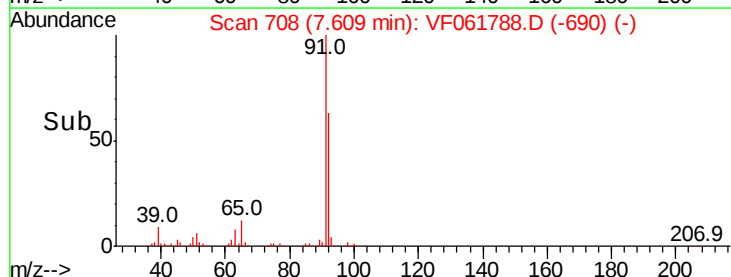
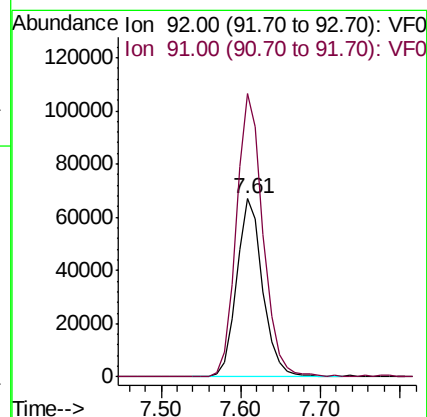
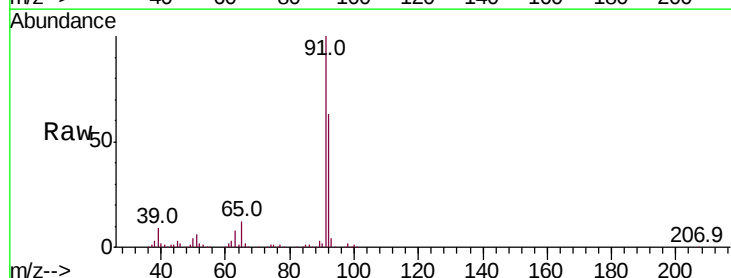
Acq: 28 Feb 2019 15:30

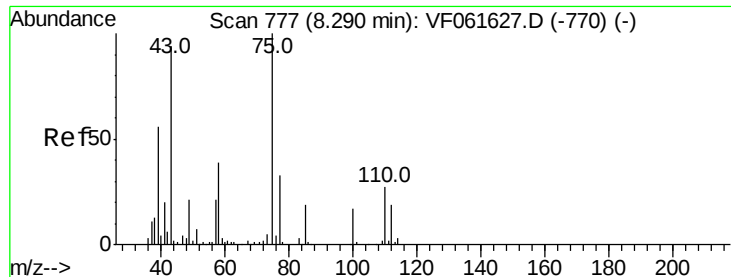
Tgt Ion: 92 Resp: 152784

Ion Ratio Lower Upper

92 100

91 159.2 133.9 200.9





#53

t-1,3-Dichloropropene

Concen: 22.186 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.03 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA\_F

ClientSampleId :

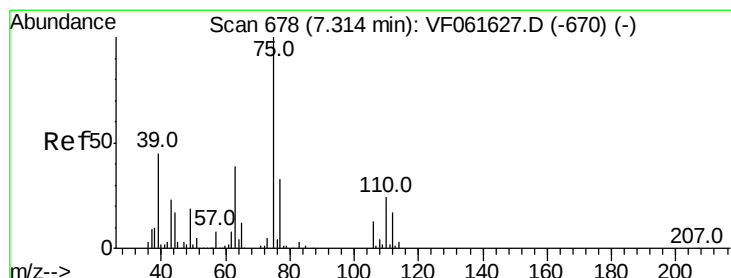
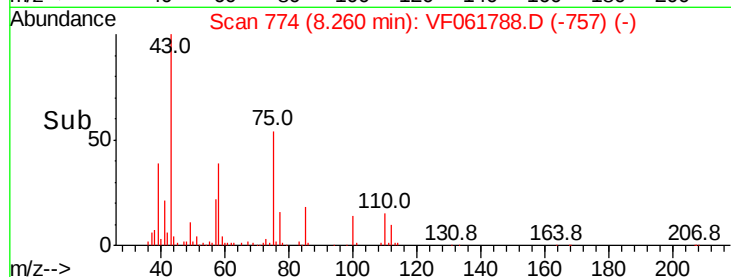
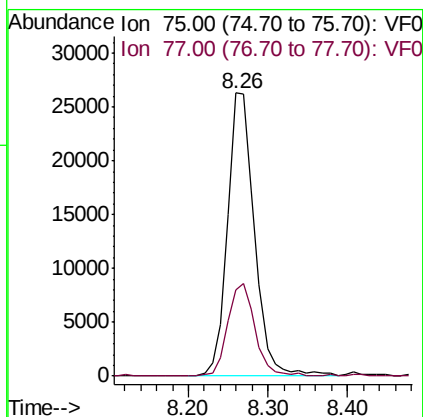
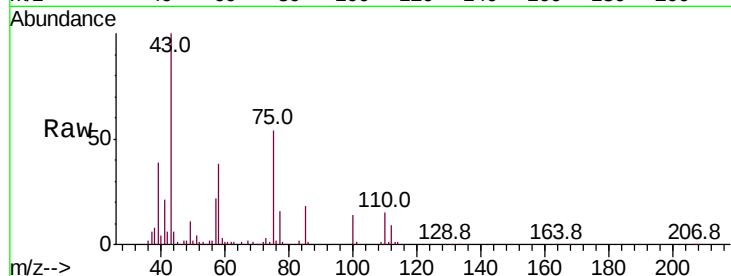
VF0228SBS01

Tot Ion: 75 Resp: 62818

Ion Ratio Lower Upper

75 100

77 30.5 26.2 39.2



#54

cis-1,3-Dichloropropene

Concen: 23.420 ug/l

RT: 7.29 min Scan# 676

Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

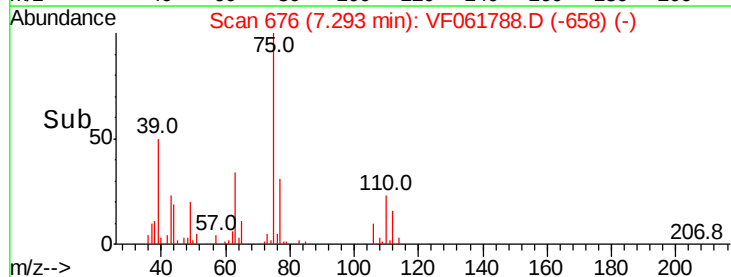
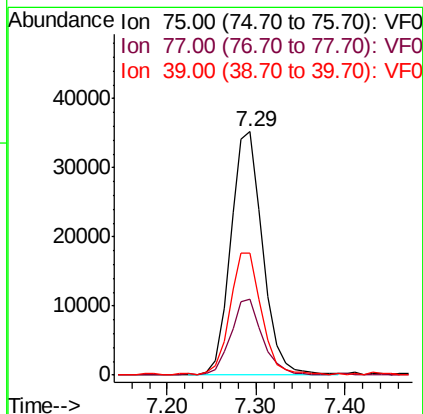
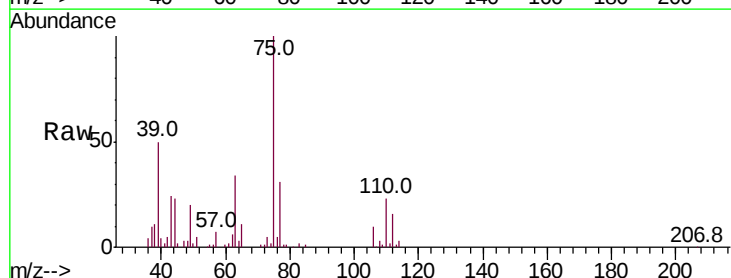
Tgt Ion: 75 Resp: 88327

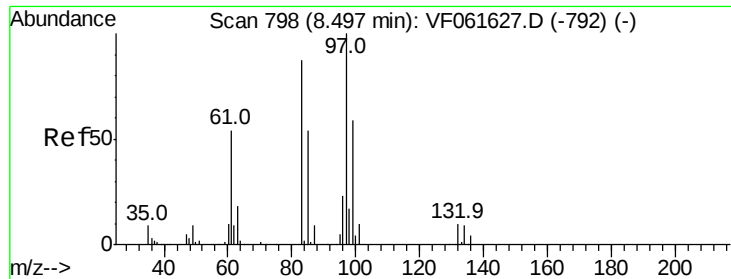
Ion Ratio Lower Upper

75 100

77 31.4 26.4 39.6

39 50.2 36.0 54.0





#55

1,1,2-Trichloroethane

Concen: 22.843 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA\_F

ClientSampleId :

VF0228SBSD01

Tot Ion: 97 Resp: 42489

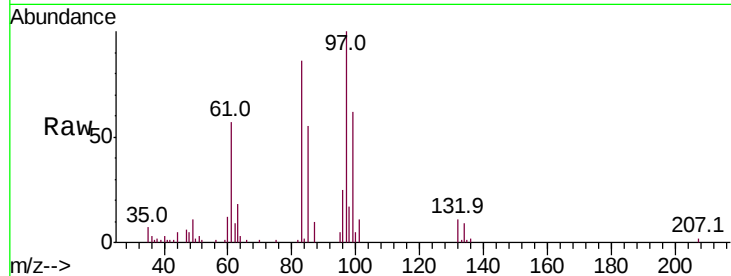
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 85.9  | 69.2  | 103.8 |
| 85  | 54.9  | 43.0  | 64.4  |
| 99  | 62.2  | 47.2  | 70.8  |

97 100

83 85.9 69.2 103.8

85 54.9 43.0 64.4

99 62.2 47.2 70.8

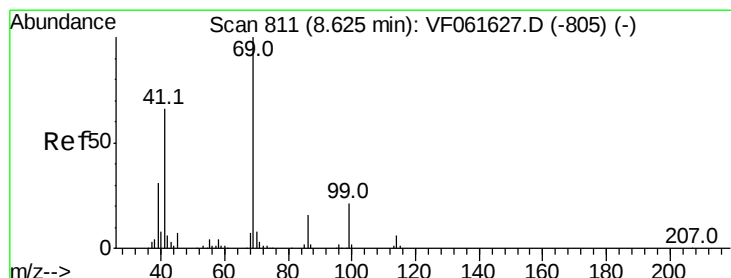
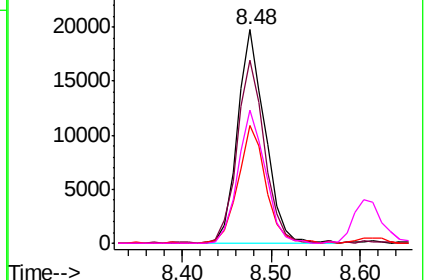
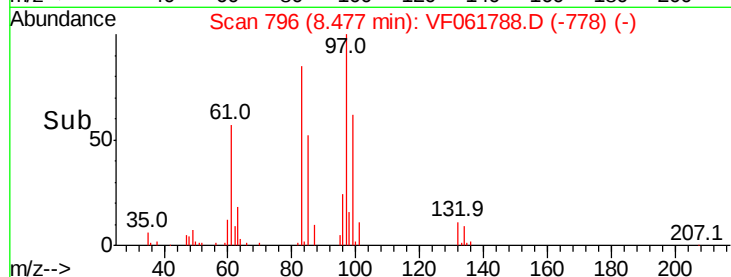


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 21.095 ug/l

RT: 8.60 min Scan# 809

Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

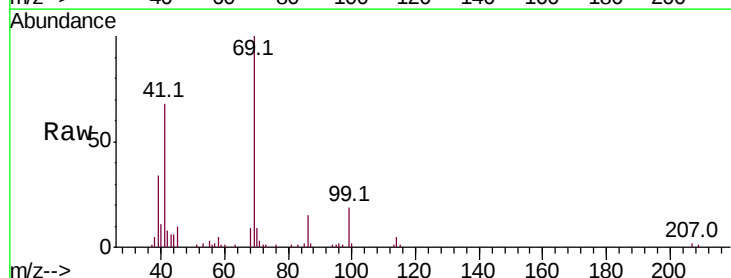
Tgt Ion: 69 Resp: 43686

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 67.5  | 52.9  | 79.3  |
| 39  | 34.4  | 24.5  | 36.7  |

69 100

41 67.5 52.9 79.3

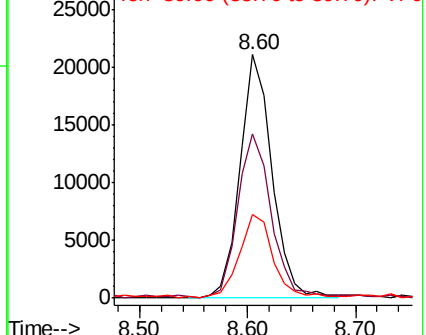
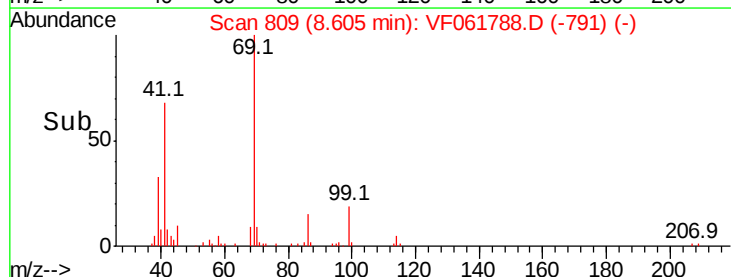
39 34.4 24.5 36.7

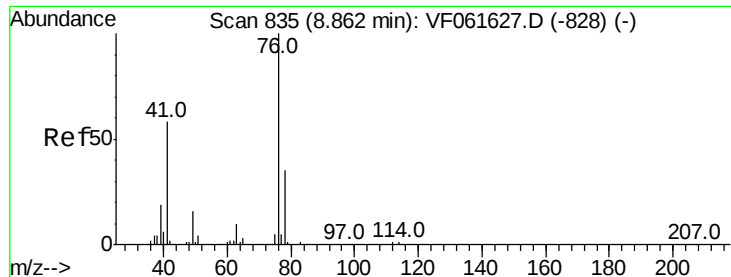


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 21.812 ug/l

RT: 8.84 min Scan# 833

Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA\_F

ClientSampleId :

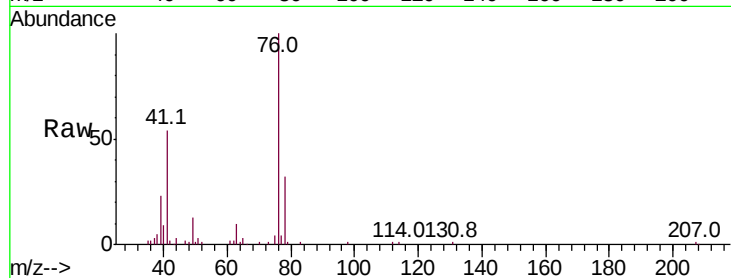
VF0228SBSD01

Tot Ion: 76 Resp: 67719

Ion Ratio Lower Upper

76 100

78 32.3 27.8 41.6



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

8.84

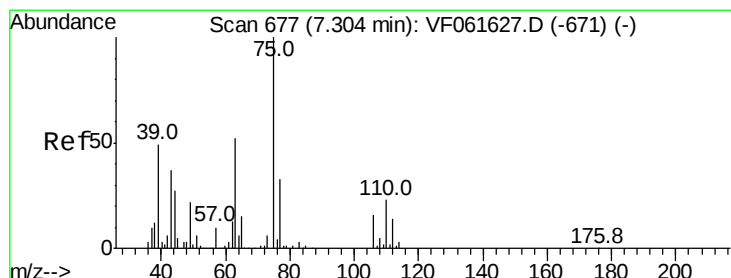
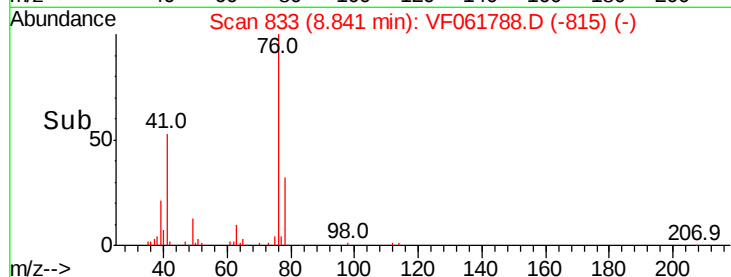
30000

20000

10000

0

Time--> 8.70 8.80 8.90



#58

2-Chloroethyl Vinyl ether

Concen: 98.679 ug/l

RT: 7.27 min Scan# 674

Delta R.T. -0.03 min

Lab File: VF061788.D

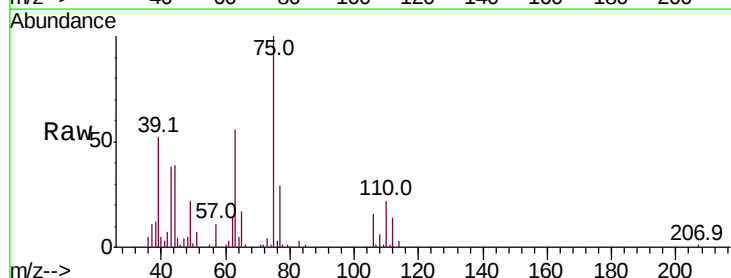
Acq: 28 Feb 2019 15:30

Tgt Ion: 63 Resp: 35259

Ion Ratio Lower Upper

63 100

106 28.3 24.6 36.8



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

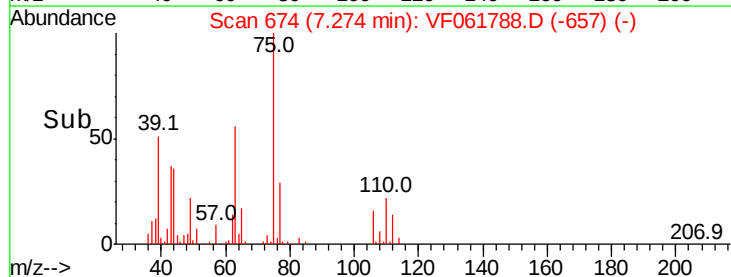
15000

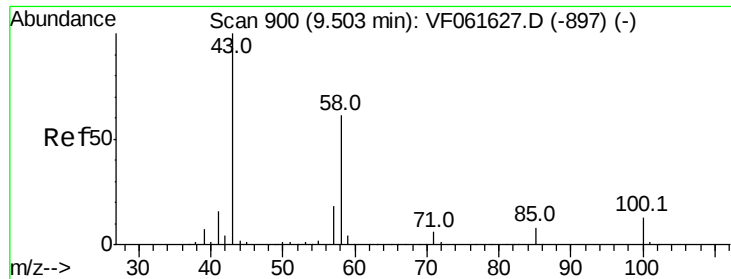
10000

5000

0

Time--> 7.20 7.30 7.40





#59

2-Hexanone

Concen: 113.687 ug/l

RT: 9.48 min Scan# 898

Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

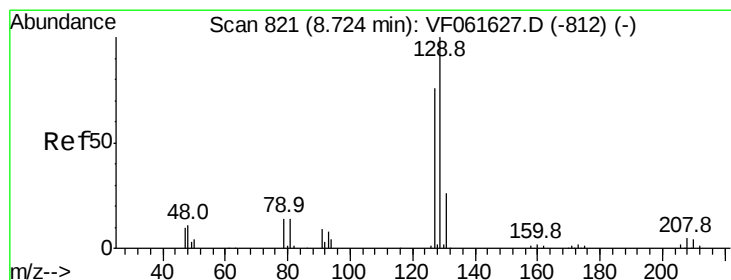
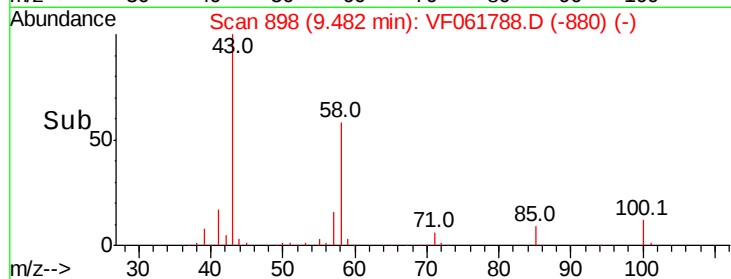
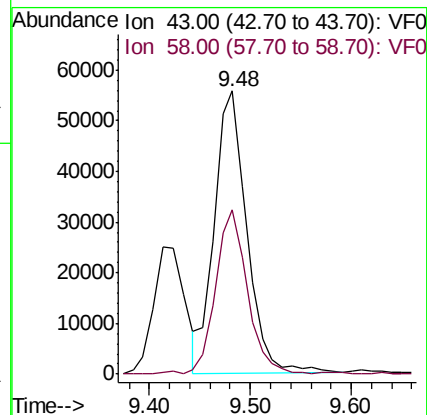
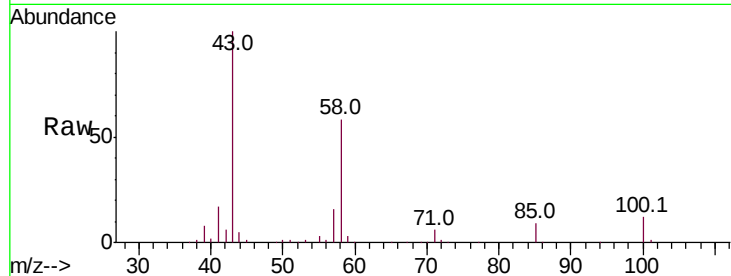
Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0228SBSD01

Tot Ion: 43 Resp: 124939

Ion Ratio Lower Upper

43 100

58 57.9 28.5 85.5



#60

Dibromochloromethane

Concen: 23.043 ug/l

RT: 8.70 min Scan# 819

Delta R.T. -0.02 min

Lab File: VF061788.D

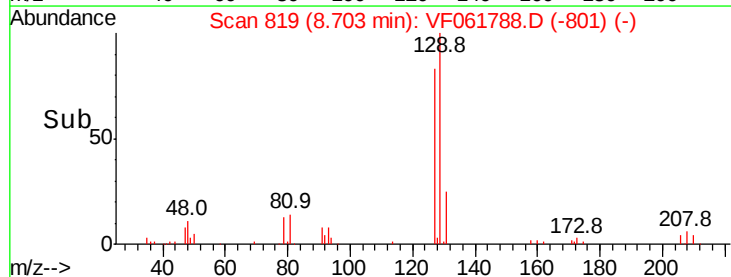
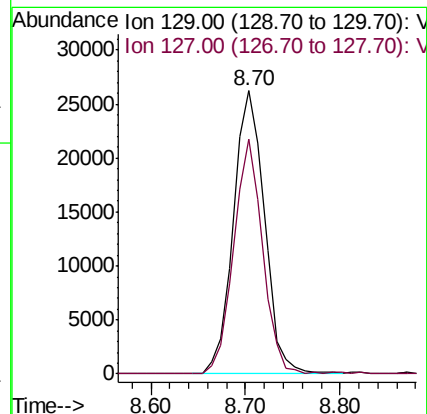
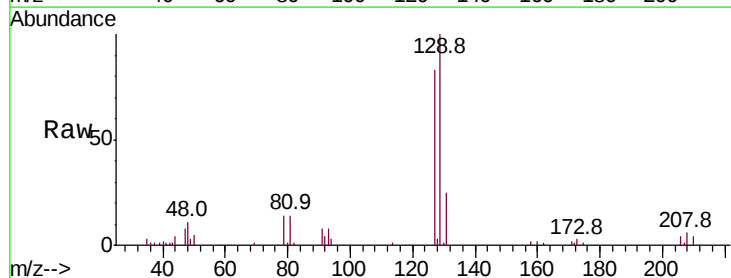
Acq: 28 Feb 2019 15:30

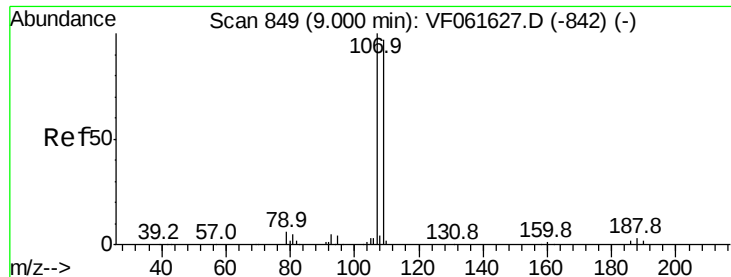
Tgt Ion:129 Resp: 59659

Ion Ratio Lower Upper

129 100

127 83.1 37.8 113.4





#61

1,2-Dibromoethane

Concen: 23.321 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.03 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA\_F

ClientSampleId :

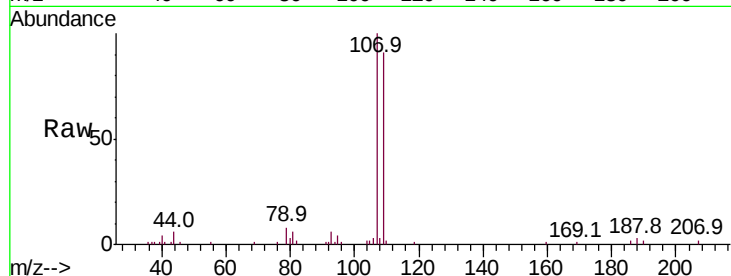
VF0228SBSD01

Tot Ion:107 Resp: 47051

Ion Ratio Lower Upper

107 100

109 91.5 77.4 116.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.97

20000

15000

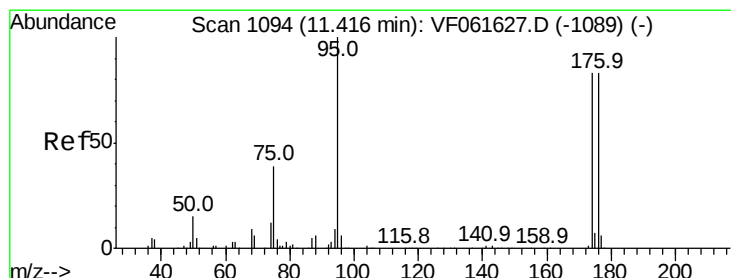
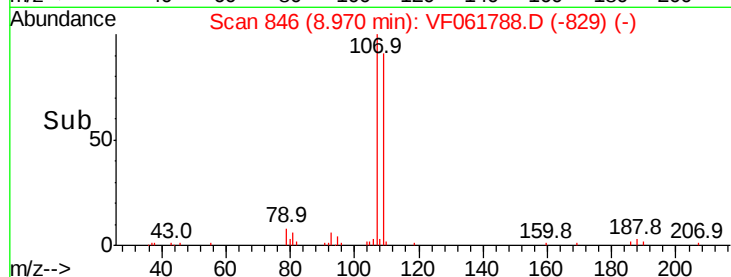
10000

5000

0

Time-->

8.90 9.00 9.10



#62

4-Bromofluorobenzene

Concen: 54.282 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

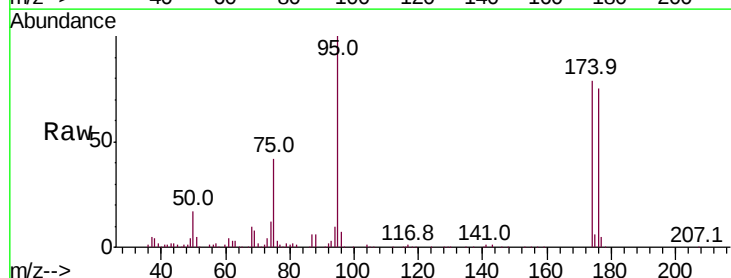
Tgt Ion: 95 Resp: 188890

Ion Ratio Lower Upper

95 100

174 78.9 0.0 165.8

176 75.4 0.0 167.0



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

11.40

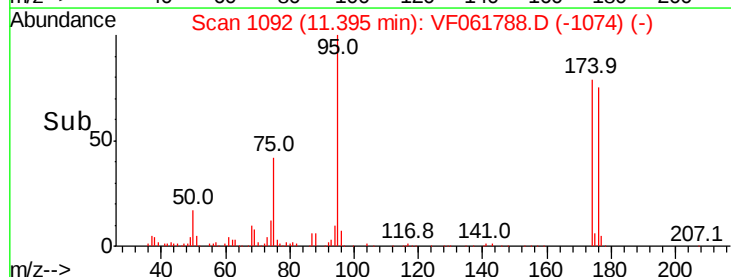
100000

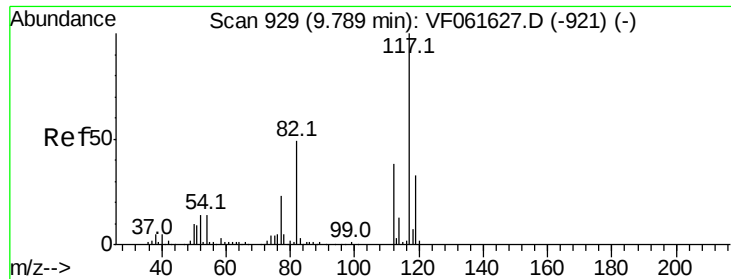
50000

0

Time-->

11.30 11.40 11.50

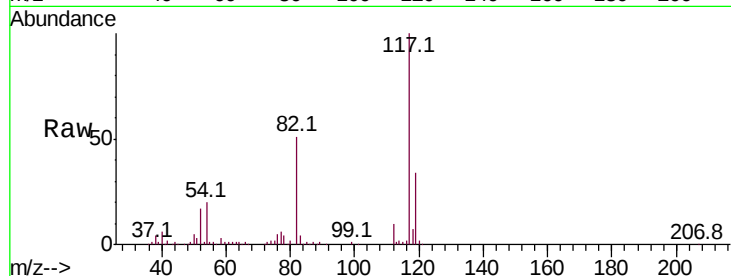




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.76 min Scan# 926  
Delta R.T. -0.03 min  
Lab File: VF061788.D  
Acq: 28 Feb 2019 15:30

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0228SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 50.7  | 39.3  | 58.9  |
| 119     | 33.6  | 26.6  | 40.0  |

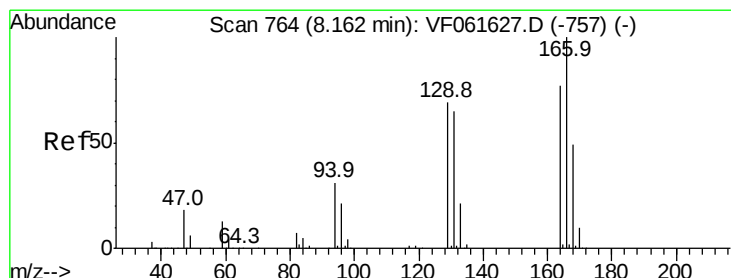
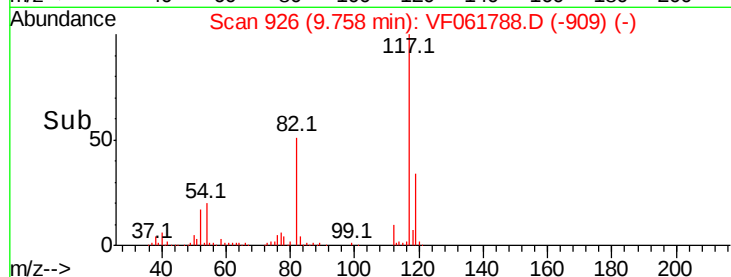
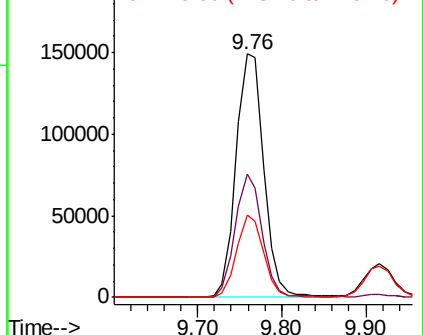


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64  
Tetrachloroethene  
Concen: 23.700 ug/l  
RT: 8.13 min Scan# 761  
Delta R.T. -0.03 min  
Lab File: VF061788.D  
Acq: 28 Feb 2019 15:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 116.5 | 103.9 | 155.9 |
| 129     | 84.1  | 71.3  | 106.9 |
| 131     | 79.7  | 67.1  | 100.7 |

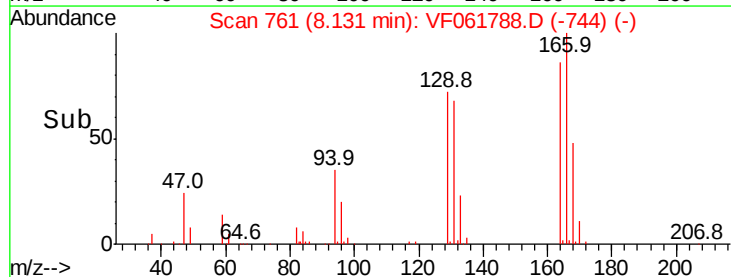
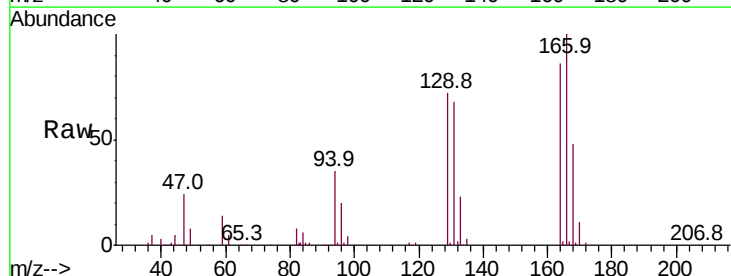
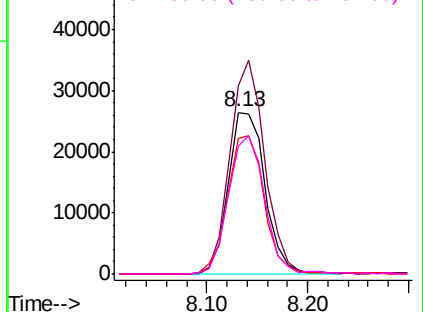
Abundance

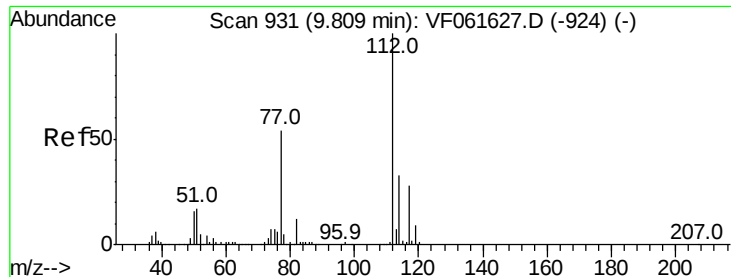
Ion 163.85 (163.55 to 164.55): V

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: 23.706 ug/l

RT: 9.78 min Scan# 928

Delta R.T. -0.03 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA\_F

ClientSampleId :

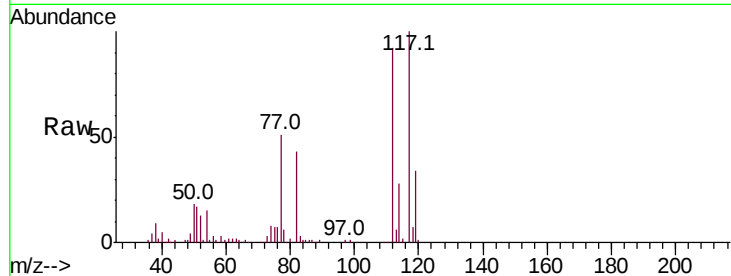
VF0228SBS01

Tot Ion:112 Resp: 165978

Ion Ratio Lower Upper

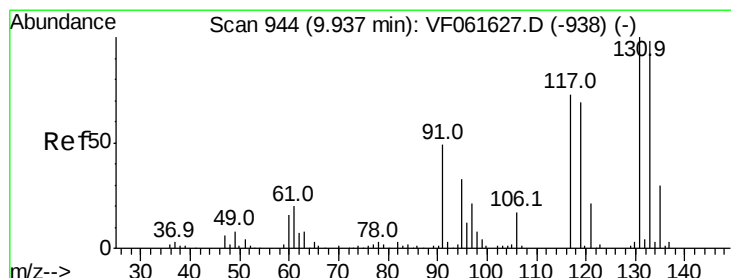
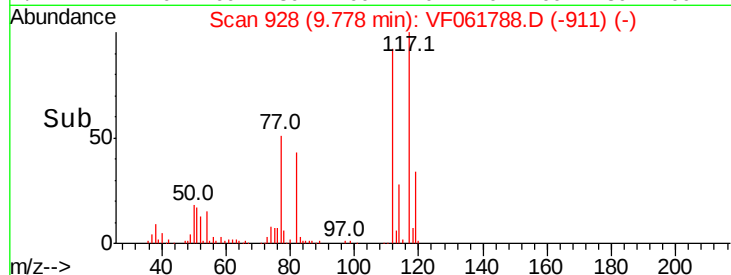
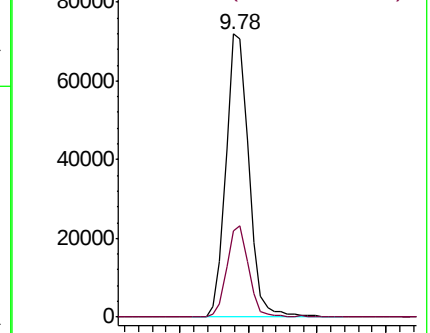
112 100

114 30.6 26.2 39.2



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: 24.262 ug/l

RT: 9.92 min Scan# 942

Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

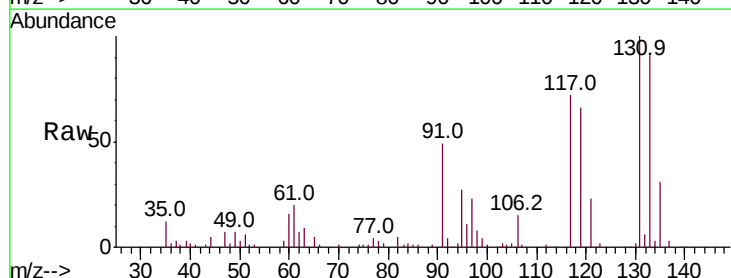
Tgt Ion:131 Resp: 66563

Ion Ratio Lower Upper

131 100

133 91.2 48.9 146.6

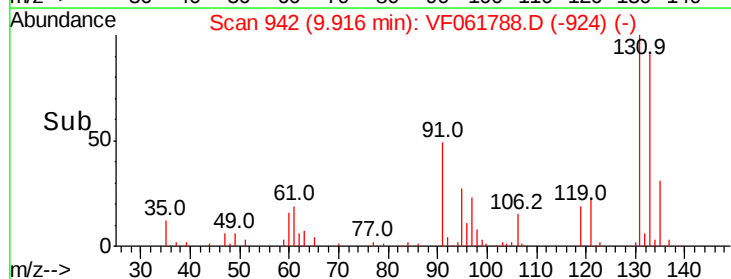
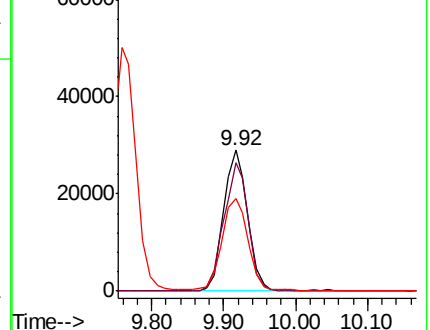
119 66.0 34.8 104.3

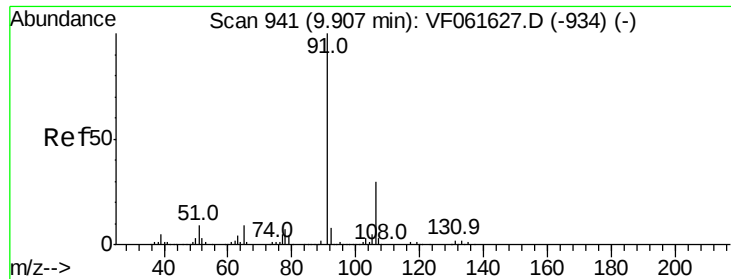


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

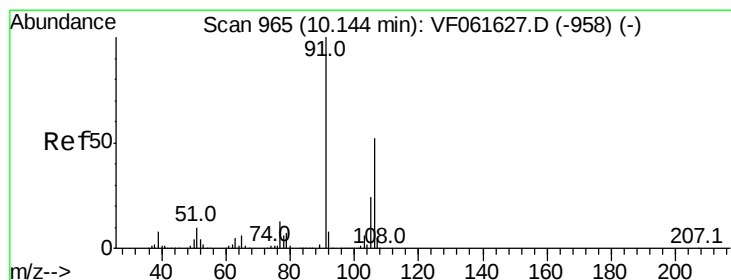
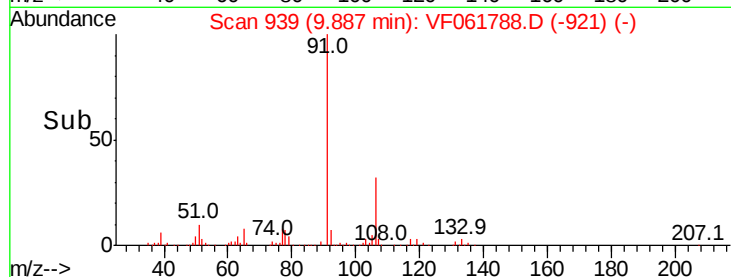
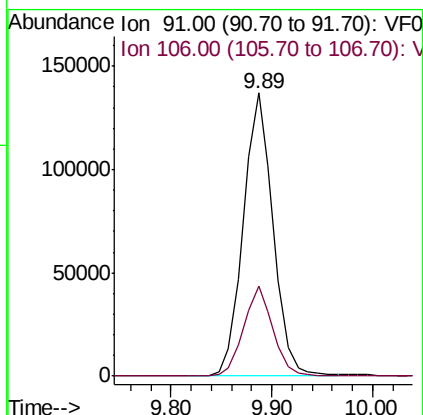
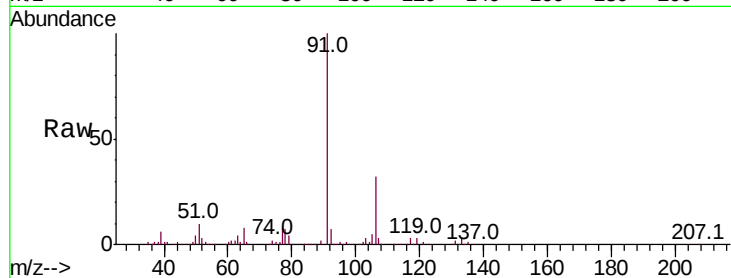




#67  
Ethyl Benzene  
Concen: 24.232 ug/l  
RT: 9.89 min Scan# 939  
Delta R.T. -0.02 min  
Lab File: VF061788.D  
Acq: 28 Feb 2019 15:30

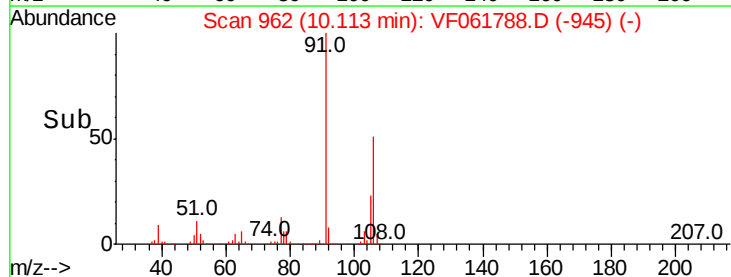
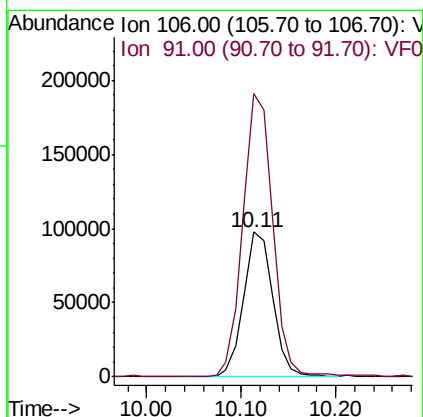
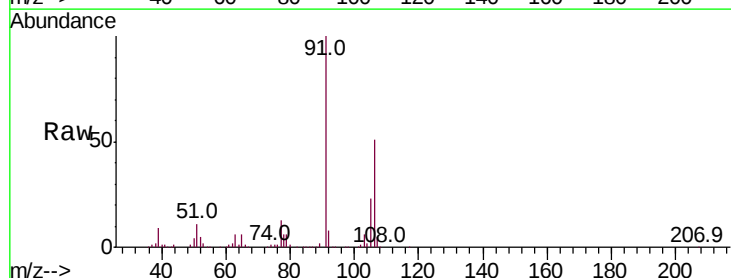
Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0228SBSD01

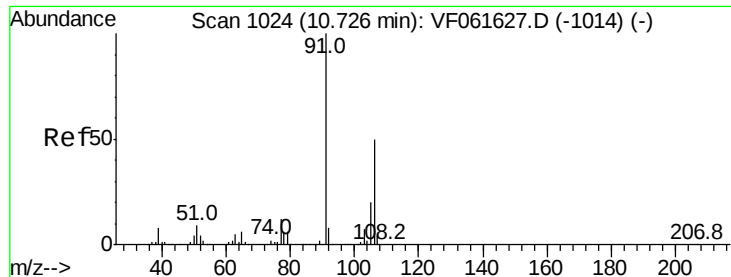
Tot Ion: 91 Resp: 282143  
Ion Ratio Lower Upper  
91 100  
106 31.9 24.1 36.1



#68  
m/p-Xylenes  
Concen: 47.110 ug/l  
RT: 10.11 min Scan# 962  
Delta R.T. -0.03 min  
Lab File: VF061788.D  
Acq: 28 Feb 2019 15:30

Tgt Ion: 106 Resp: 209925  
Ion Ratio Lower Upper  
106 100  
91 195.1 153.0 229.6

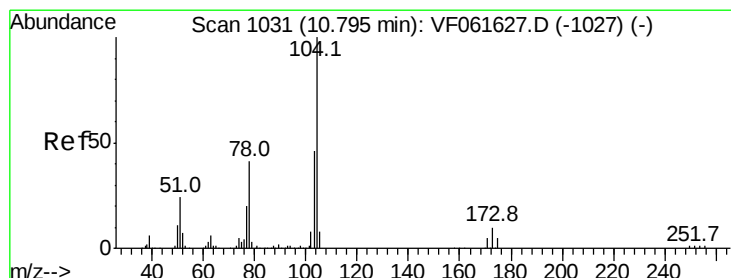
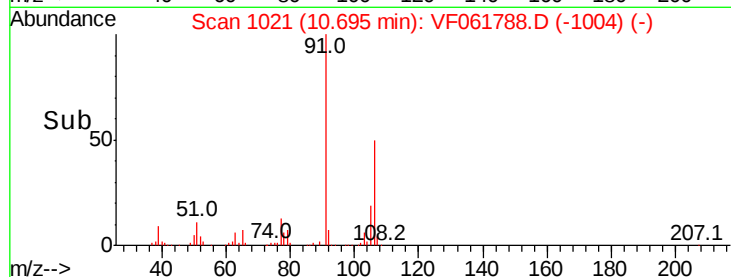
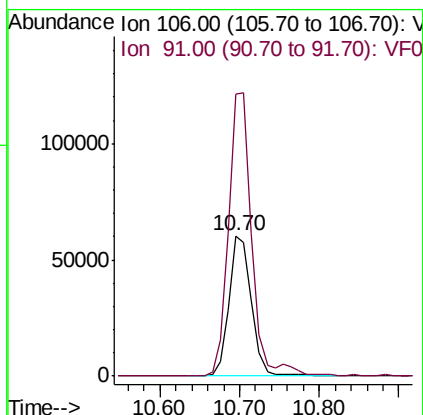
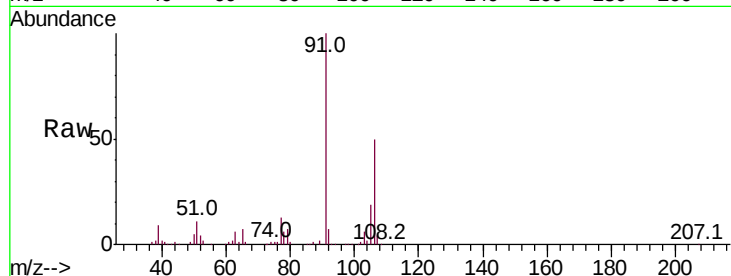




#69  
o-Xylene  
Concen: 25.340 ug/l  
RT: 10.70 min Scan# 1021  
Delta R.T. -0.03 min  
Lab File: VF061788.D  
Acq: 28 Feb 2019 15:30

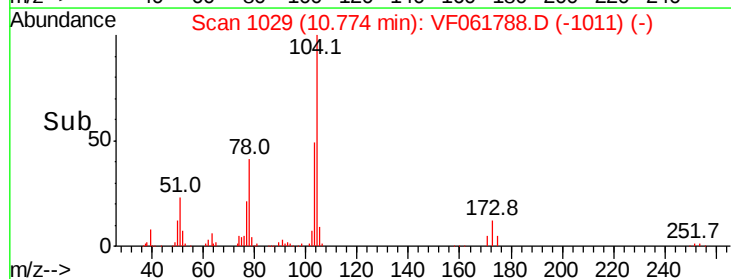
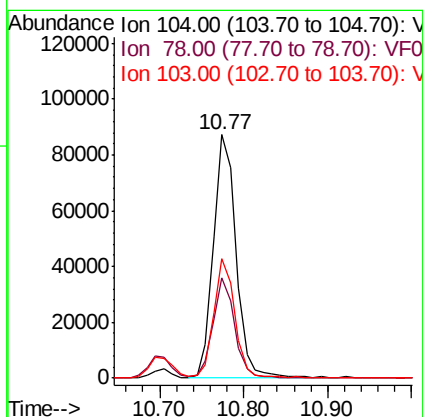
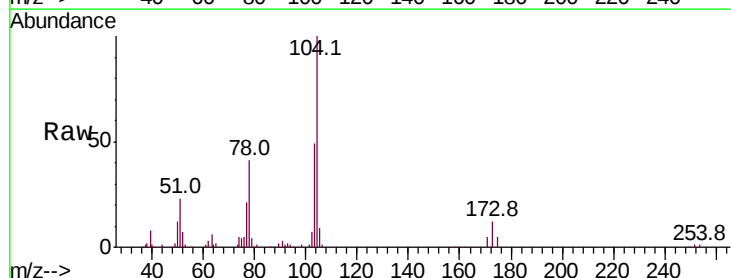
Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0228SBS01

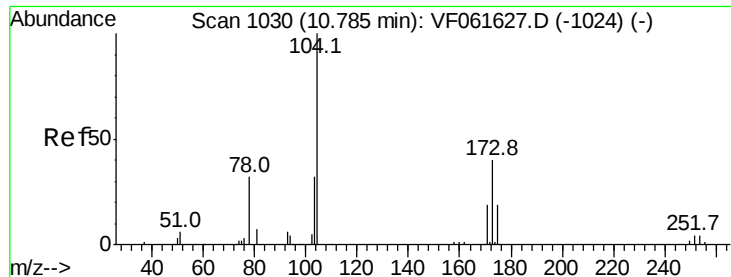
Tot Ion:106 Resp: 120485  
Ion Ratio Lower Upper  
106 100  
91 200.9 100.1 300.1



#70  
Styrene  
Concen: 24.222 ug/l  
RT: 10.77 min Scan# 1029  
Delta R.T. -0.02 min  
Lab File: VF061788.D  
Acq: 28 Feb 2019 15:30

Tgt Ion:104 Resp: 162931  
Ion Ratio Lower Upper  
104 100  
78 41.4 33.2 49.8  
103 48.8 37.2 55.8





#71

Bromoform

Concen: 23.105 ug/l

RT: 10.76 min Scan# 1028

Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA\_F

ClientSampleId :

VF0228SBSD01

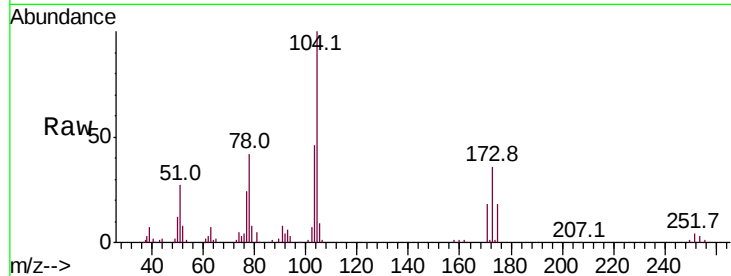
Tot Ion:173 Resp: 34421

Ion Ratio Lower Upper

173 100

175 47.8 24.0 72.0

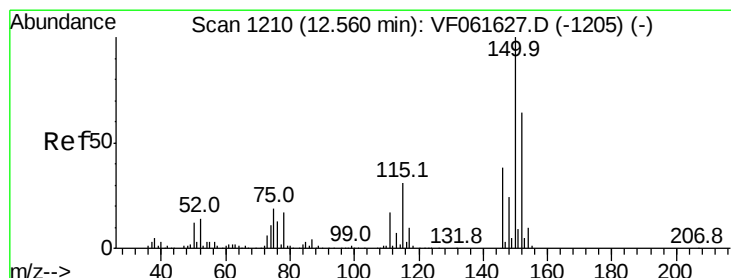
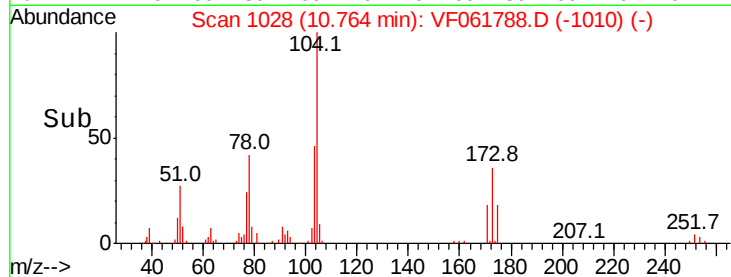
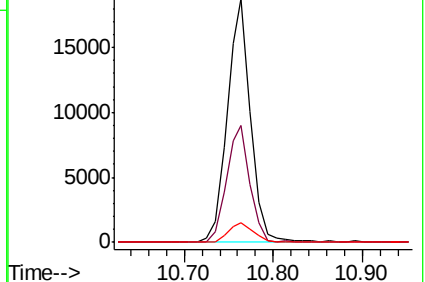
254 8.3 8.2 12.2



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: 12.54 min Scan# 1208

Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

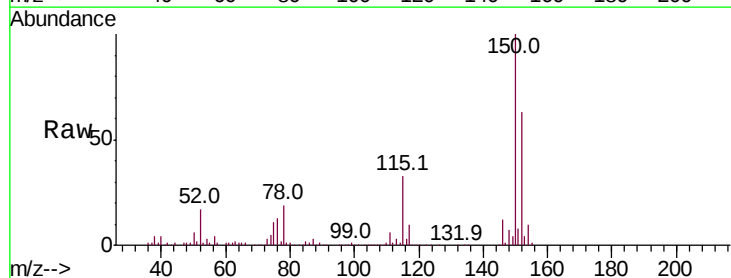
Tgt Ion:152 Resp: 191014

Ion Ratio Lower Upper

152 100

115 52.3 24.3 72.8

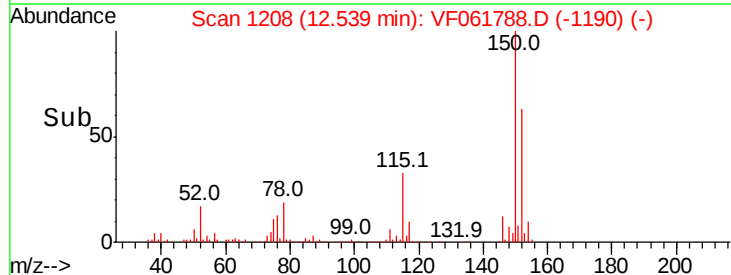
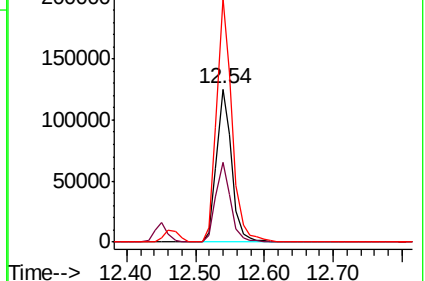
150 159.1 0.0 312.0

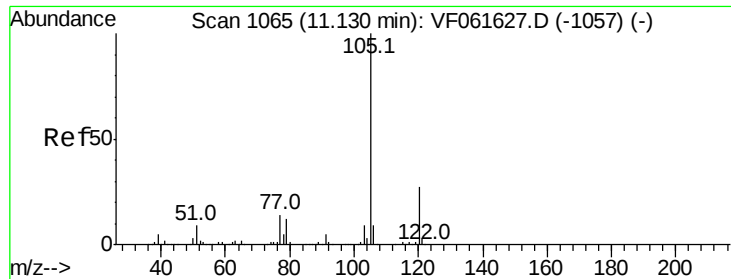


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 24.324 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA\_F

ClientSampleId :

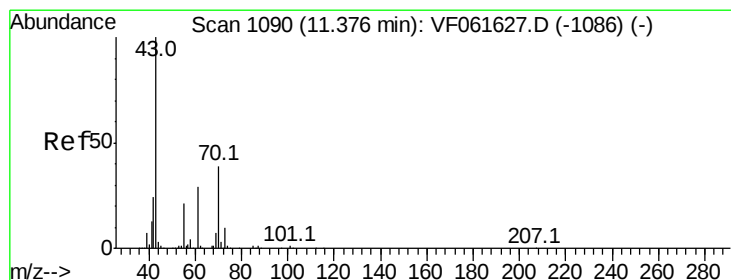
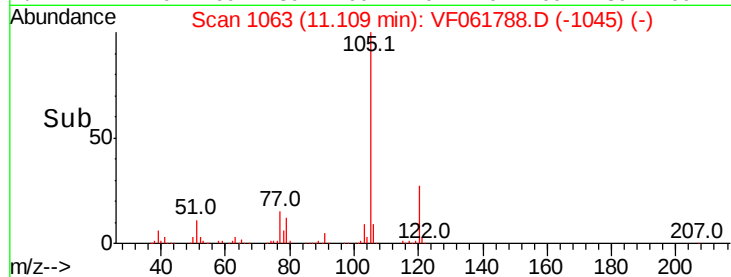
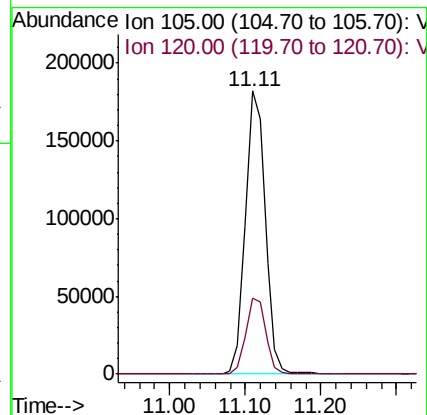
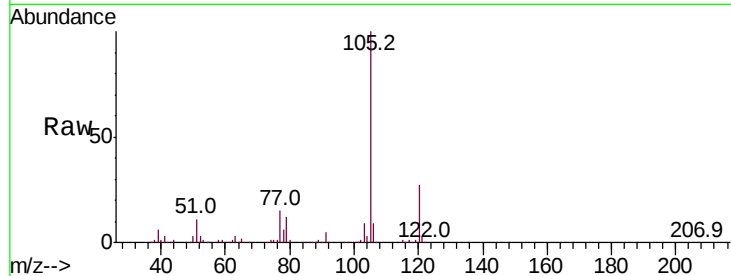
VF0228SBSD01

Tot Ion:105 Resp: 330797

Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.1



#74

N-ethyl acetate

Concen: 22.393 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Tgt Ion: 43 Resp: 73098

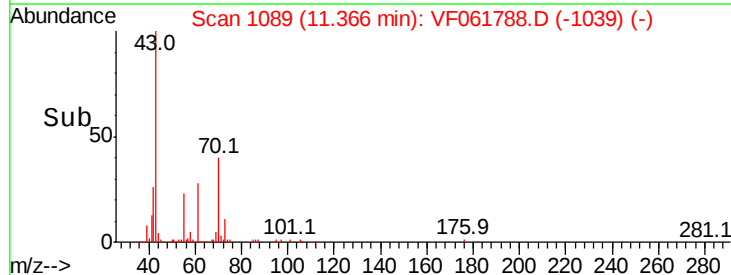
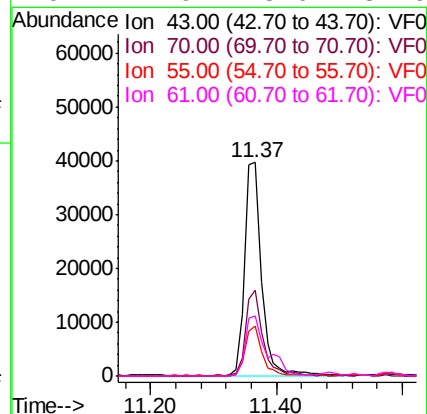
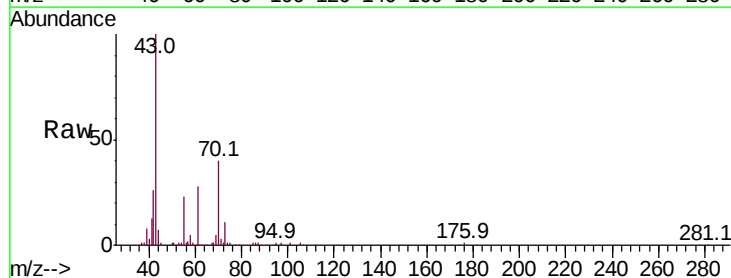
Ion Ratio Lower Upper

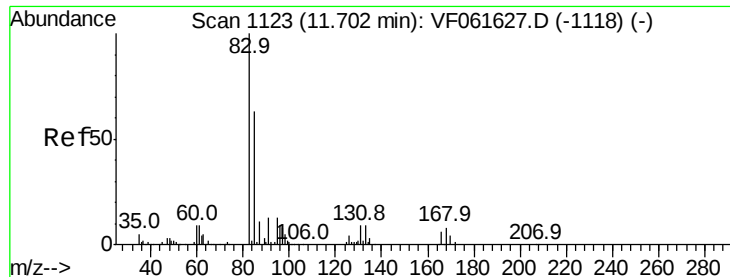
43 100

70 40.0 31.5 47.3

55 23.4 16.7 25.1

61 27.9 23.0 34.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.715 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA\_F

ClientSampleId :

VF0228SBSD01

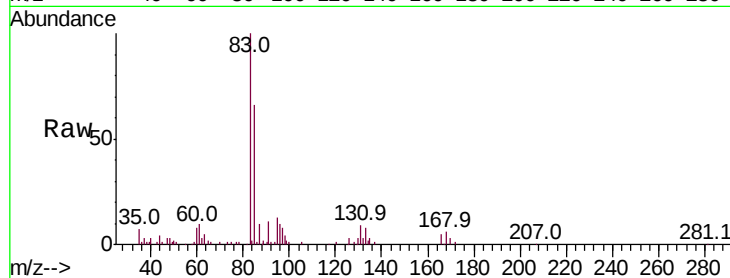
Tot Ion: 83 Resp: 55343

Ion Ratio Lower Upper

83 100

131 8.9 4.4 13.2

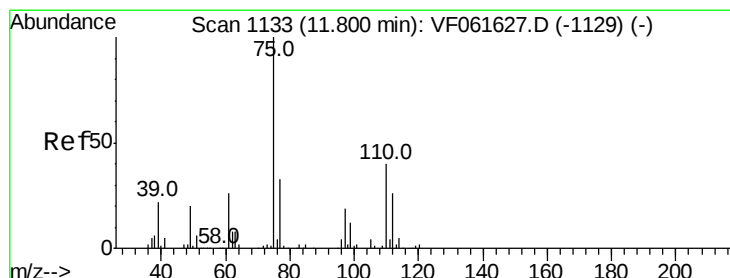
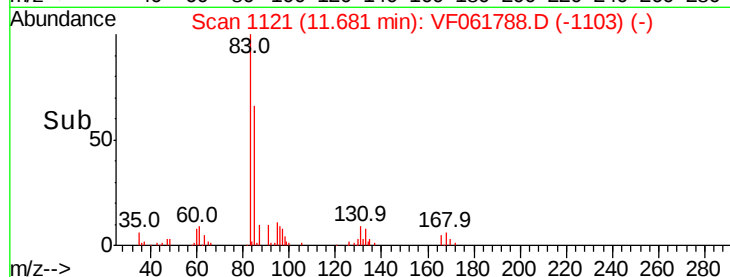
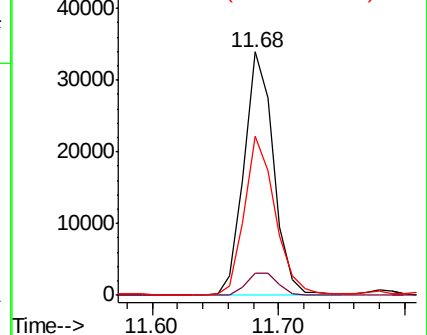
85 65.6 31.5 94.5



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: 22.564 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.02 min

Lab File: VF061788.D

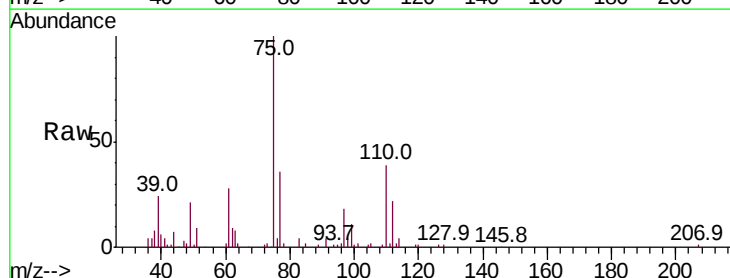
Acq: 28 Feb 2019 15:30

Tgt Ion: 75 Resp: 37378

Ion Ratio Lower Upper

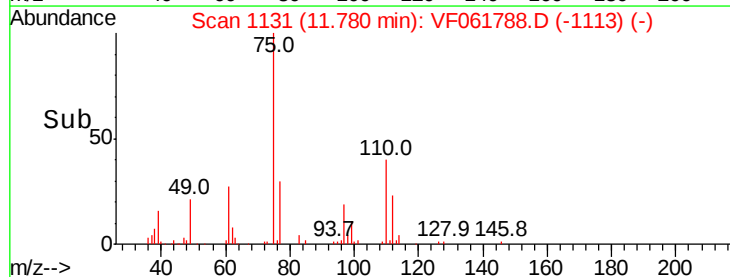
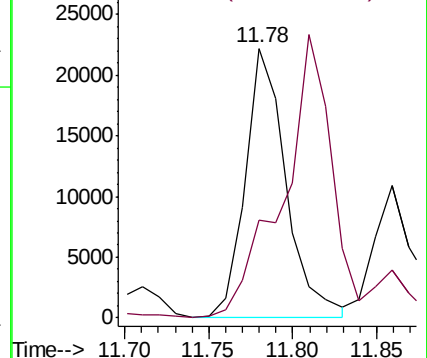
75 100

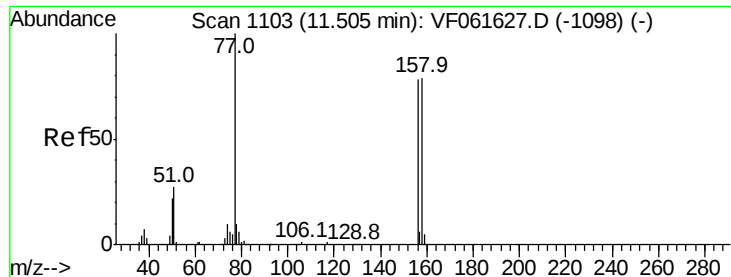
77 36.2 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 23.543 ug/l

RT: 11.48 min Scan# 1101

Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA\_F

ClientSampleId :

VF0228SBSD01

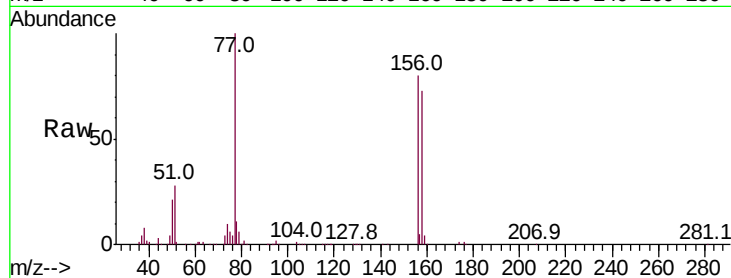
Tot Ion:156 Resp: 79098

Ion Ratio Lower Upper

156 100

77 125.5 64.3 192.7

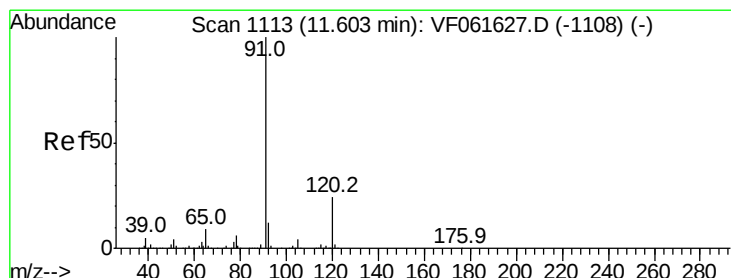
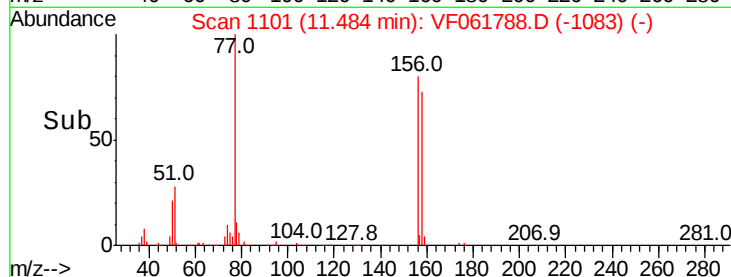
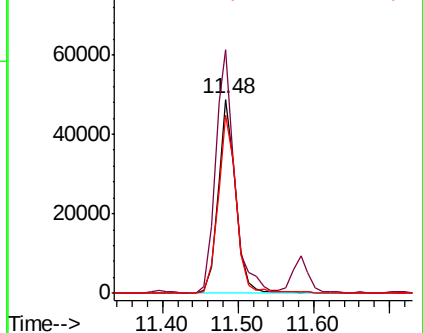
158 91.9 50.9 152.7



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 24.470 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF061788.D

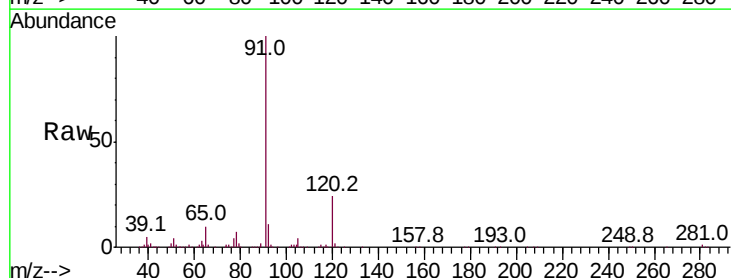
Acq: 28 Feb 2019 15:30

Tgt Ion: 91 Resp: 381882

Ion Ratio Lower Upper

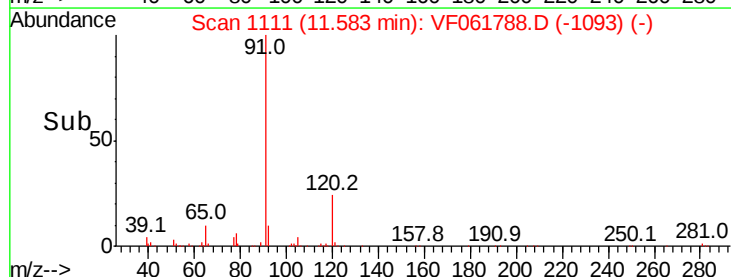
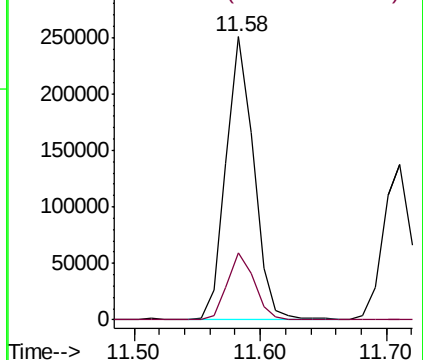
91 100

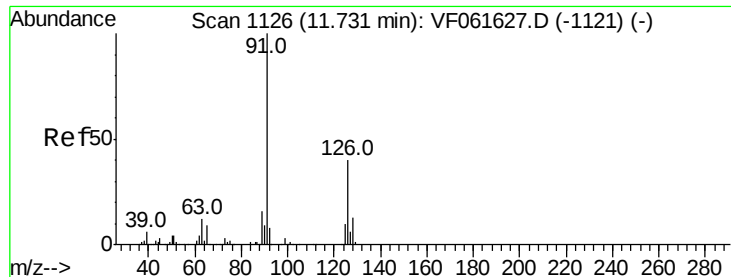
120 23.5 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 24.603 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA\_F

ClientSampleId :

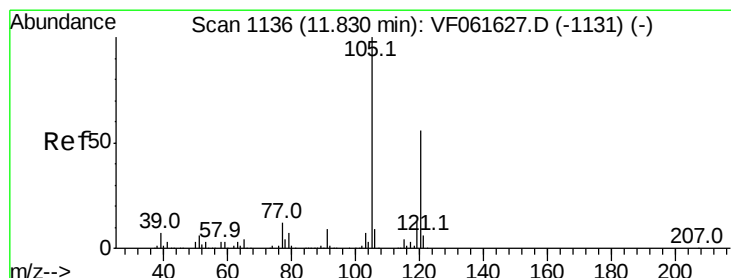
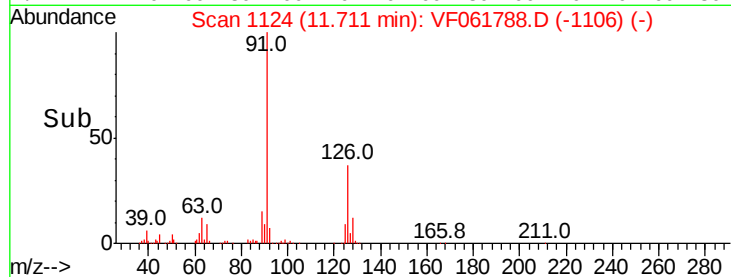
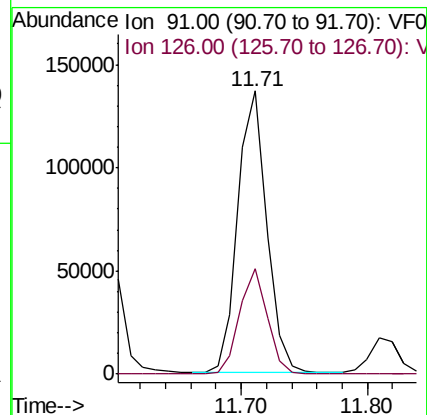
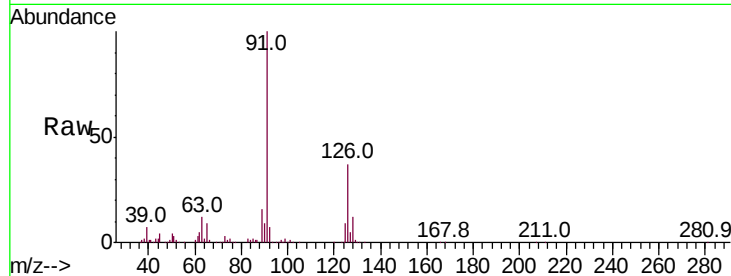
VF0228SBSD01

Tot Ion: 91 Resp: 215040

Ion Ratio Lower Upper

91 100

126 37.4 19.8 59.4



#80

1,3,5-Trimethylbenzene

Concen: 24.971 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.02 min

Lab File: VF061788.D

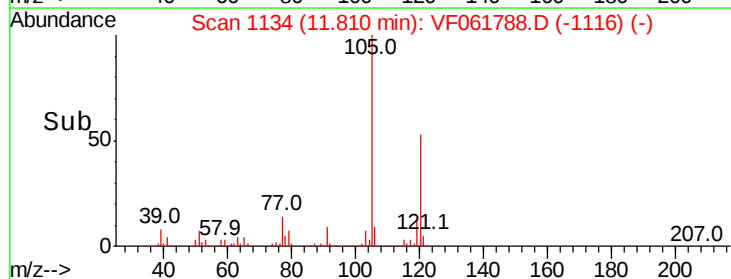
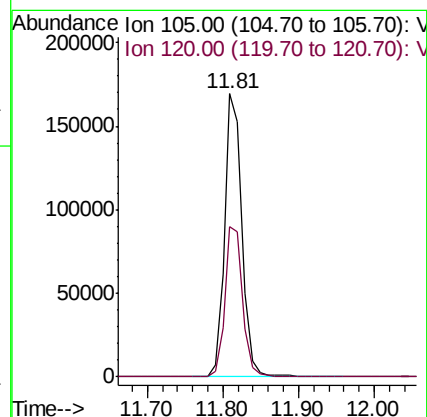
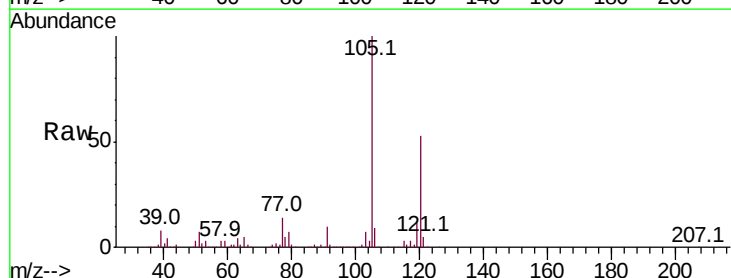
Acq: 28 Feb 2019 15:30

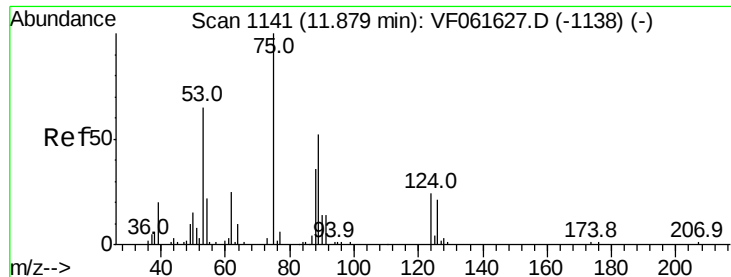
Tgt Ion:105 Resp: 271421

Ion Ratio Lower Upper

105 100

120 53.0 27.9 83.6





#81

trans-1,4-Dichloro-2-butene

Concen: 28.027 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA\_F

ClientSampleId :

VF0228SBS01

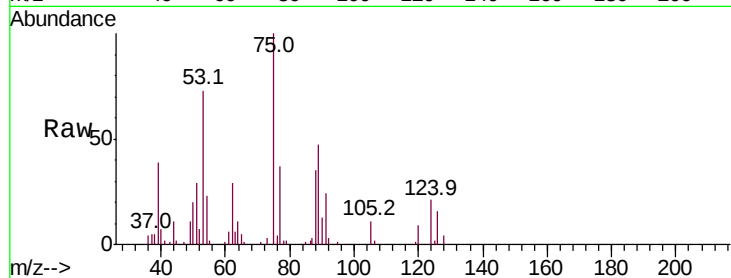
Tot Ion: 75 Resp: 22258

Ion Ratio Lower Upper

75 100

53 72.8 53.7 80.5

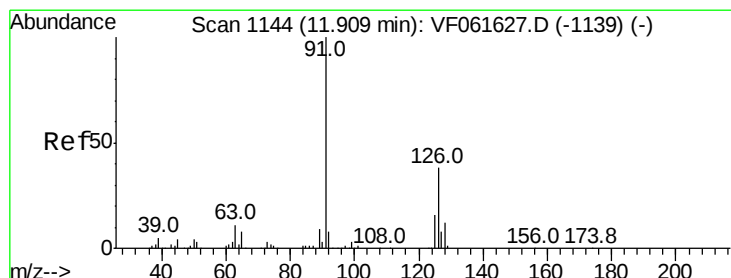
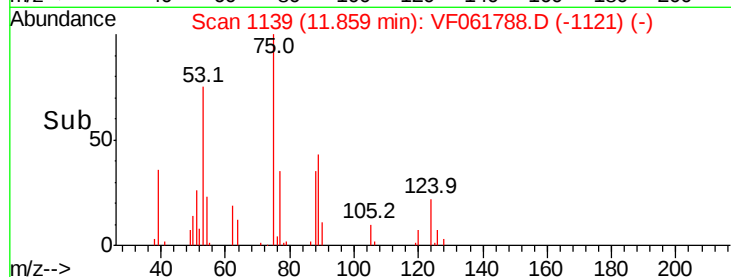
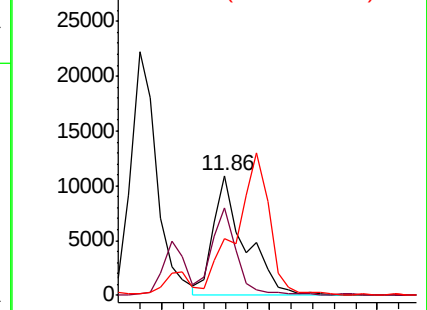
89 47.1 41.6 62.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 24.022 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.02 min

Lab File: VF061788.D

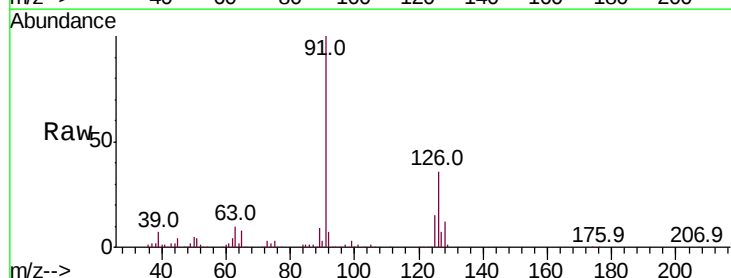
Acq: 28 Feb 2019 15:30

Tgt Ion: 91 Resp: 217926

Ion Ratio Lower Upper

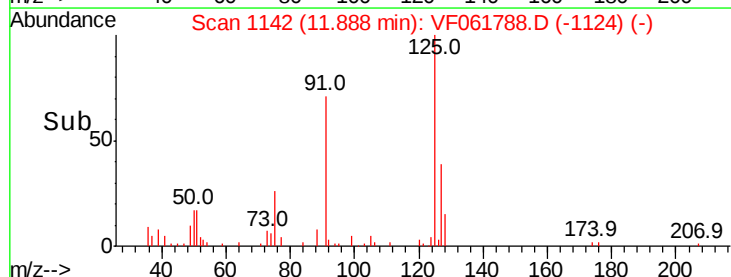
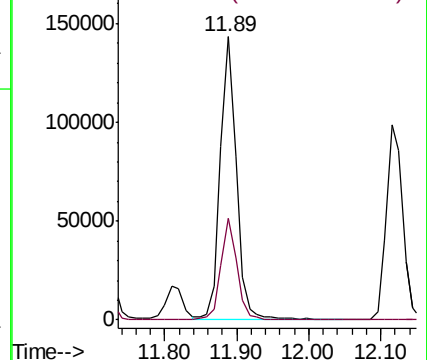
91 100

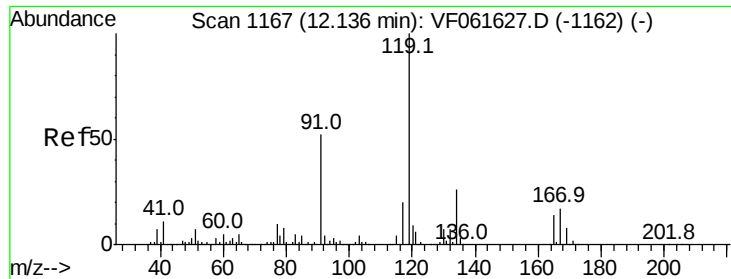
126 36.0 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

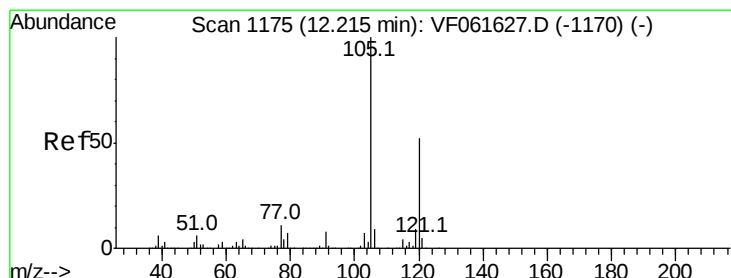
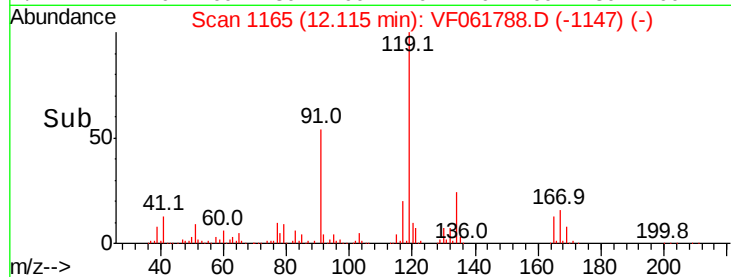
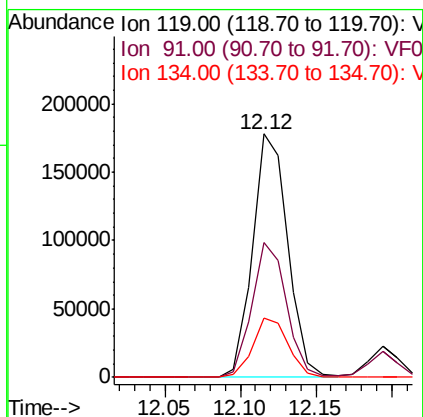
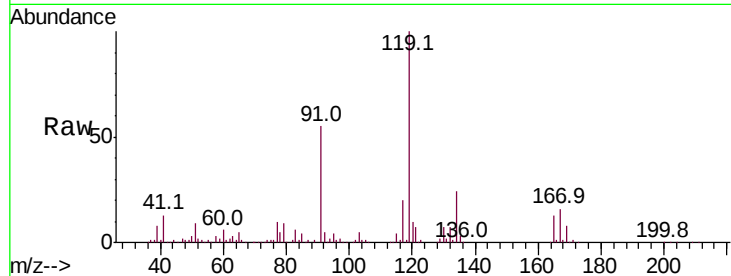




#83  
tert-Butylbenzene  
Concen: 24.006 ug/l  
RT: 12.12 min Scan# 1165  
Delta R.T. -0.02 min  
Lab File: VF061788.D  
Acq: 28 Feb 2019 15:30

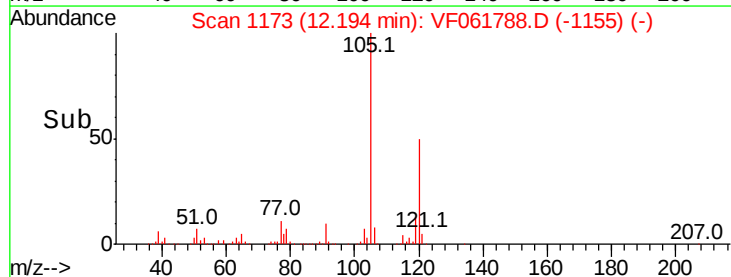
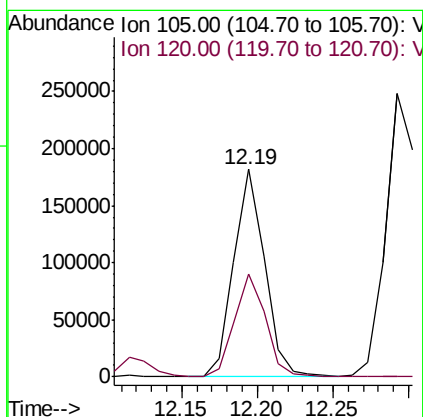
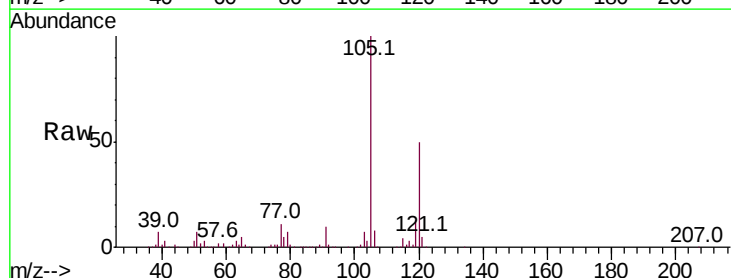
Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0228SBS01

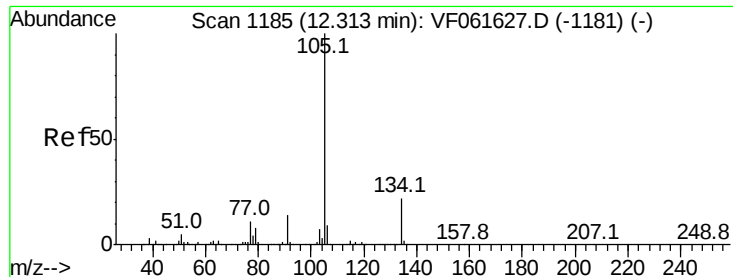
Tot Ion:119 Resp: 289011  
Ion Ratio Lower Upper  
119 100  
91 55.4 26.3 78.8  
134 24.2 12.9 38.7



#84  
1,2,4-Trimethylbenzene  
Concen: 23.918 ug/l  
RT: 12.19 min Scan# 1173  
Delta R.T. -0.02 min  
Lab File: VF061788.D  
Acq: 28 Feb 2019 15:30

Tgt Ion:105 Resp: 258279  
Ion Ratio Lower Upper  
105 100  
120 49.9 26.1 78.3





#85

sec-Butylbenzene

Concen: 24.058 ug/l

RT: 12.29 min Scan# 1183

Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA\_F

ClientSampleId :

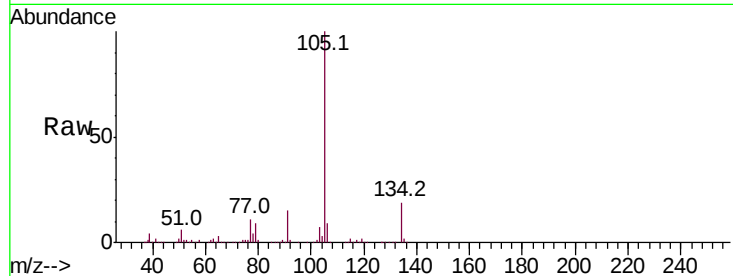
VF0228SBSD01

Tot Ion:105 Resp: 374555

Ion Ratio Lower Upper

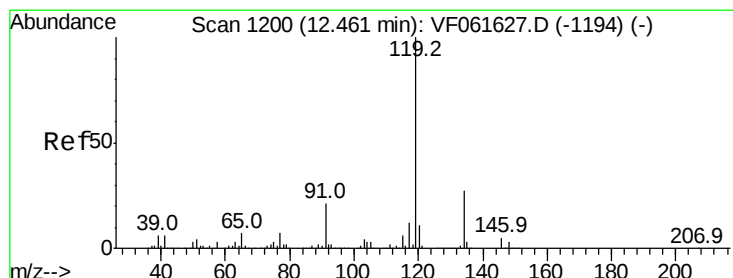
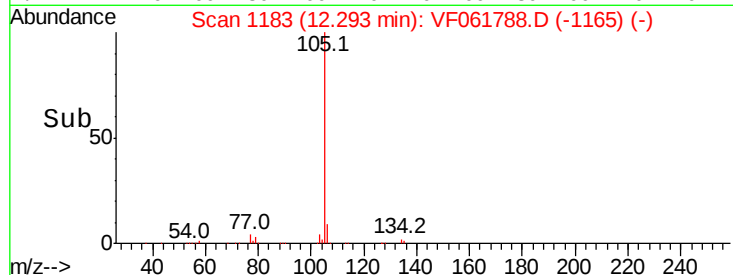
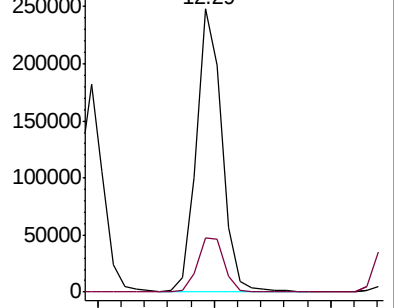
105 100

134 19.2 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 25.142 ug/l

RT: 12.45 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

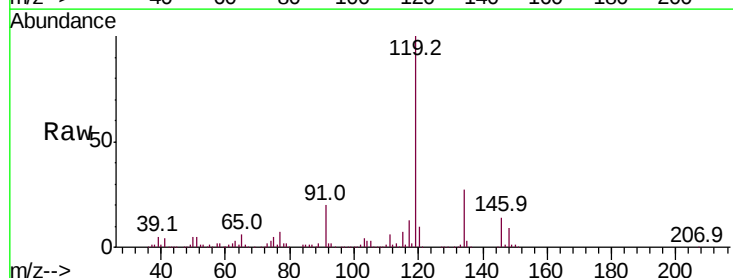
Tgt Ion:119 Resp: 328497

Ion Ratio Lower Upper

119 100

134 27.4 13.7 41.1

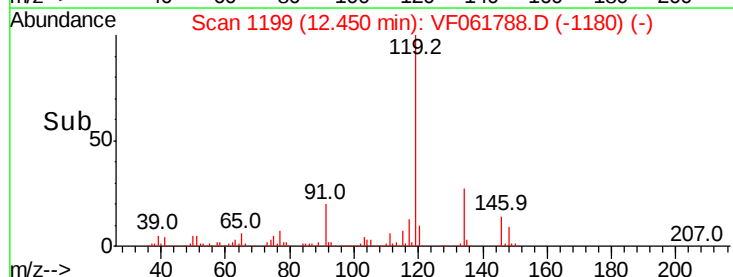
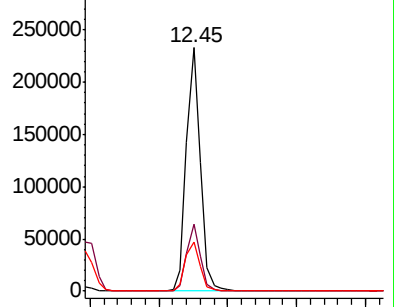
91 20.3 10.8 32.4

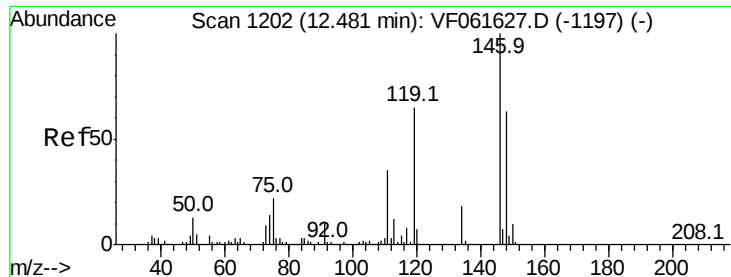


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 23.772 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. -0.02 min

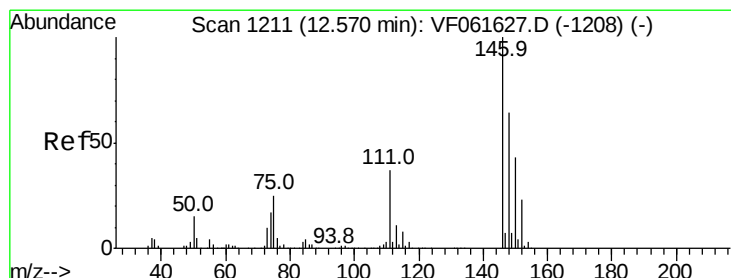
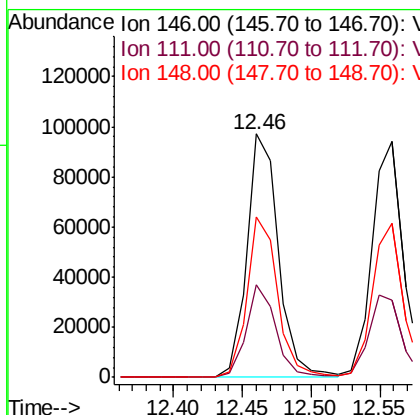
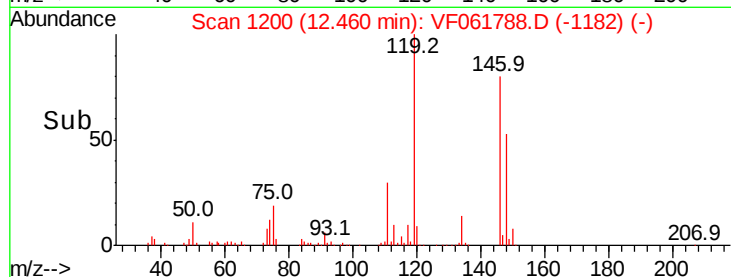
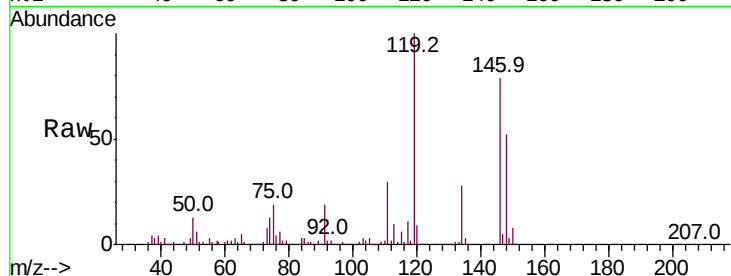
Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0228SBSD01

Tot Ion:146 Resp: 155702

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 37.9  | 17.5  | 52.6  |
| 148 | 65.6  | 31.4  | 94.3  |



#88

1,4-Dichlorobenzene

Concen: 23.965 ug/l

RT: 12.56 min Scan# 1210

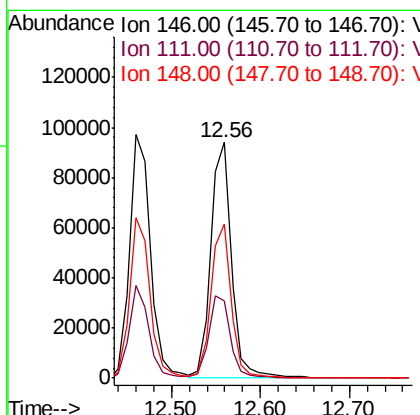
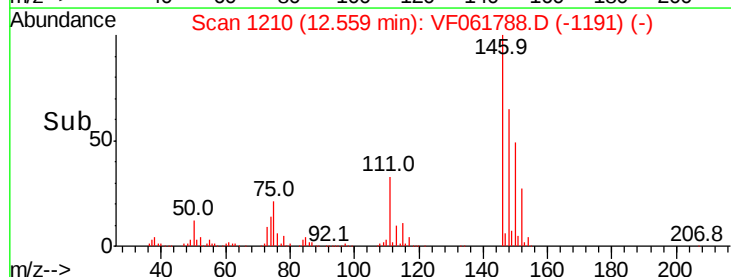
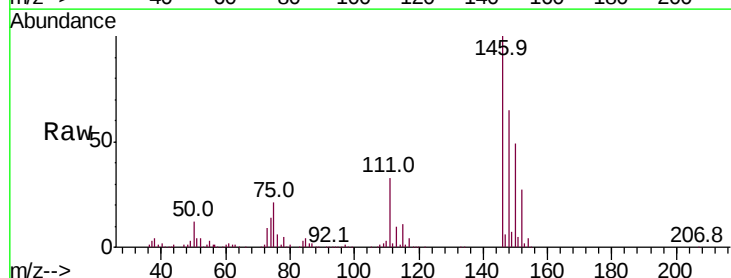
Delta R.T. -0.01 min

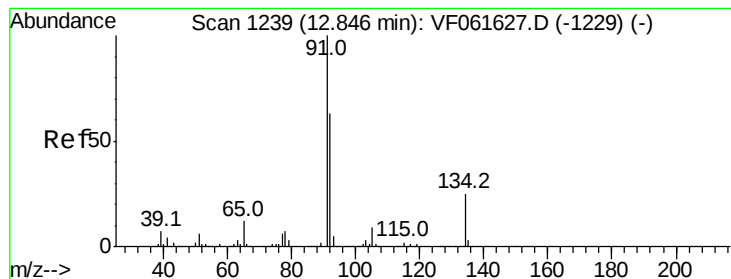
Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Tgt Ion:146 Resp: 150961

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 32.6  | 18.4  | 55.4  |
| 148 | 65.3  | 32.2  | 96.6  |





#89

n-Butylbenzene

Concen: 24.721 ug/l

RT: 12.84 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA\_F

ClientSampleId :

VF0228SBSD01

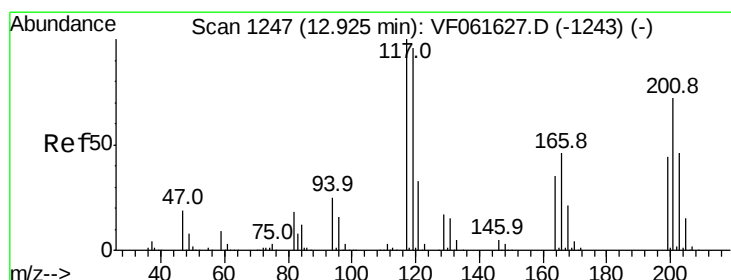
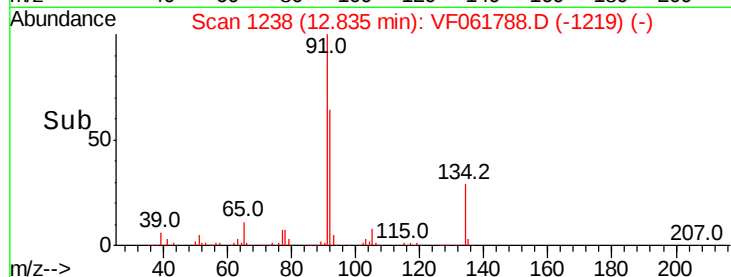
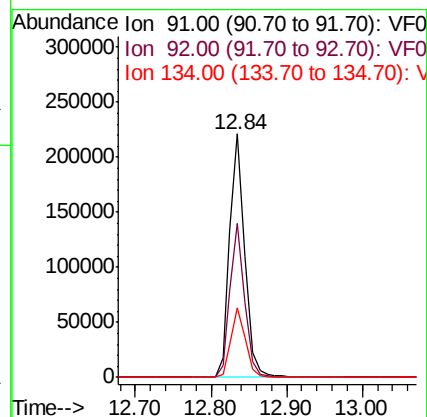
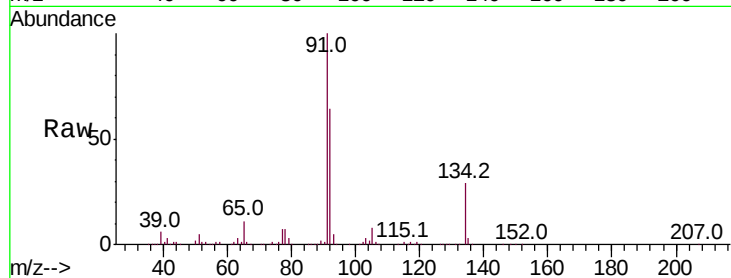
Tot Ion: 91 Resp: 305000

Ion Ratio Lower Upper

91 100

92 63.5 31.4 94.3

134 28.6 12.3 36.9



#90

Hexachloroethane

Concen: 25.230 ug/l

RT: 12.90 min Scan# 1245

Delta R.T. -0.02 min

Lab File: VF061788.D

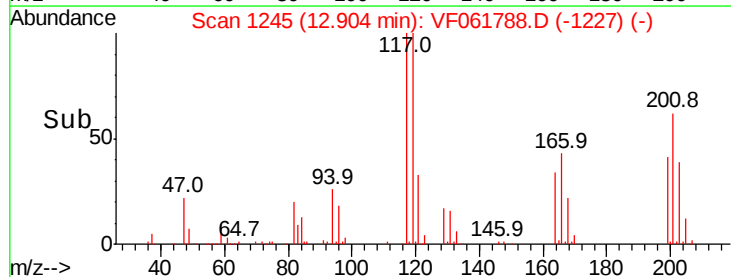
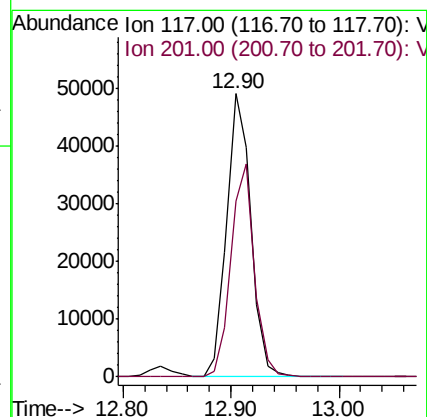
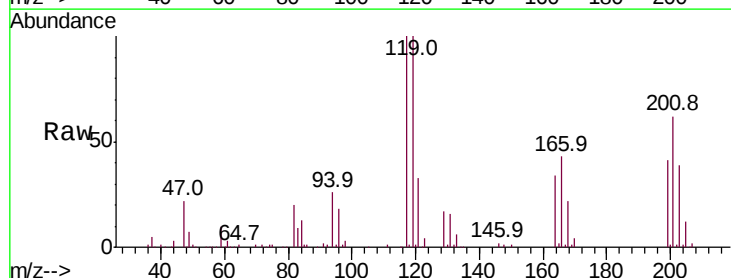
Acq: 28 Feb 2019 15:30

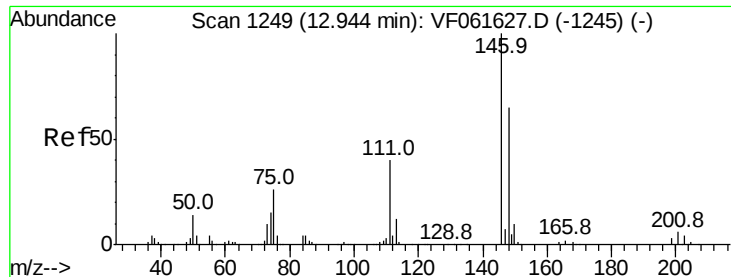
Tgt Ion: 117 Resp: 76667

Ion Ratio Lower Upper

117 100

201 62.2 36.2 108.6

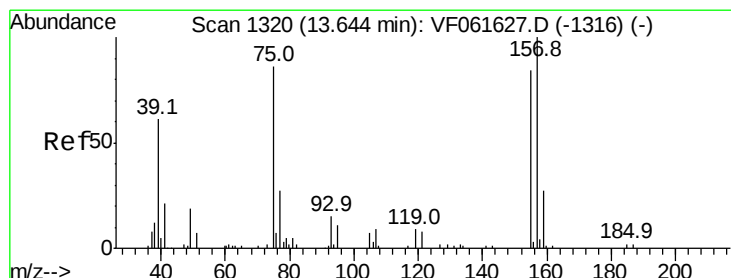
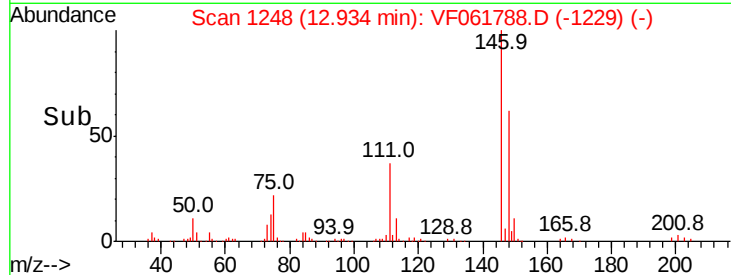
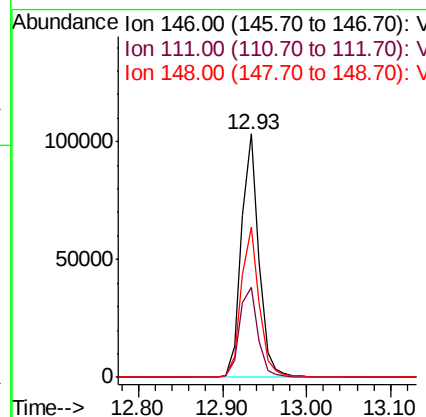
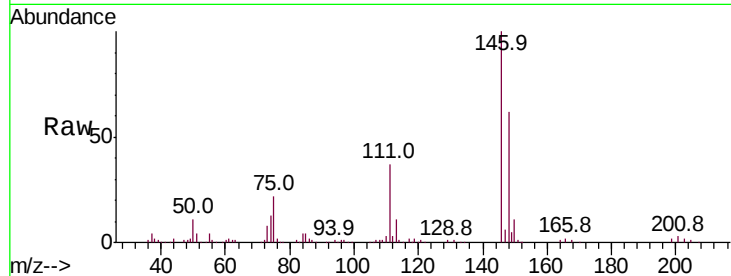




#91  
 1,2-Dichlorobenzene  
 Concen: 24.176 ug/l  
 RT: 12.93 min Scan# 1248  
 Delta R.T. -0.01 min  
 Lab File: VF061788.D  
 Acq: 28 Feb 2019 15:30

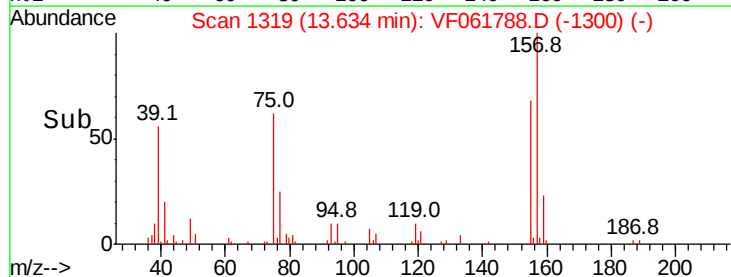
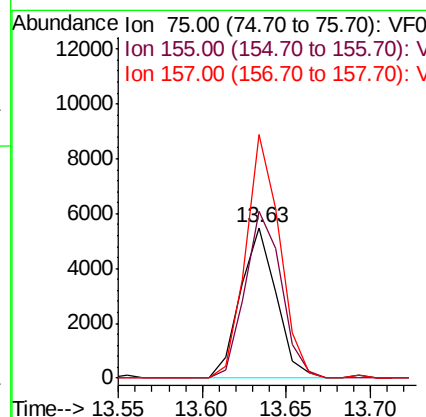
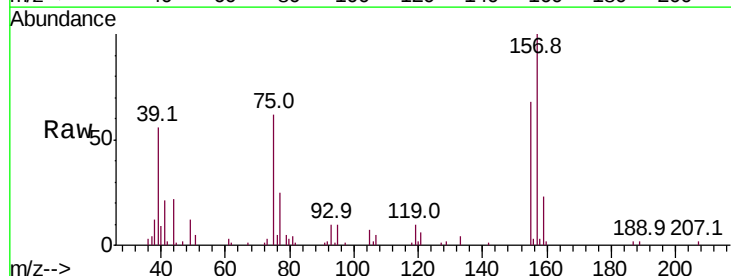
Instrument :  
 MSVOA\_F  
 ClientSampleID :  
 VF0228SBSD01

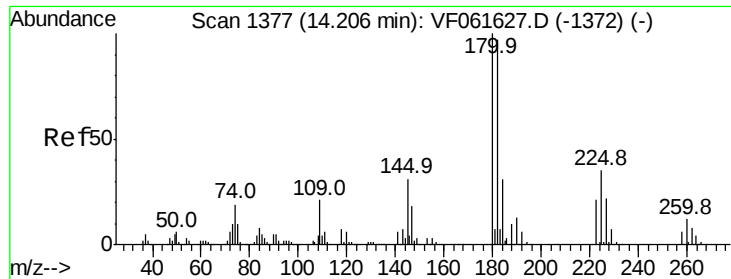
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.7  | 20.2  | 60.5  |
| 148     | 61.8  | 32.3  | 96.9  |



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 20.930 ug/l  
 RT: 13.63 min Scan# 1319  
 Delta R.T. -0.01 min  
 Lab File: VF061788.D  
 Acq: 28 Feb 2019 15:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 110.7 | 48.9  | 146.8 |
| 157     | 162.1 | 58.3  | 174.8 |

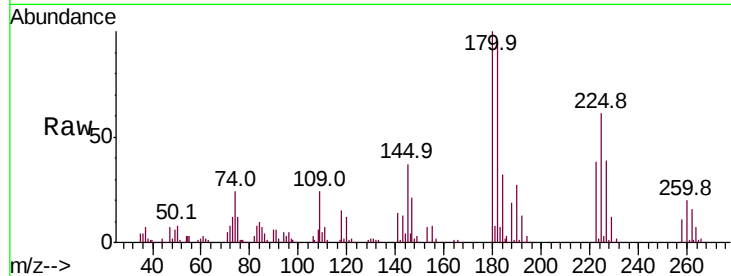




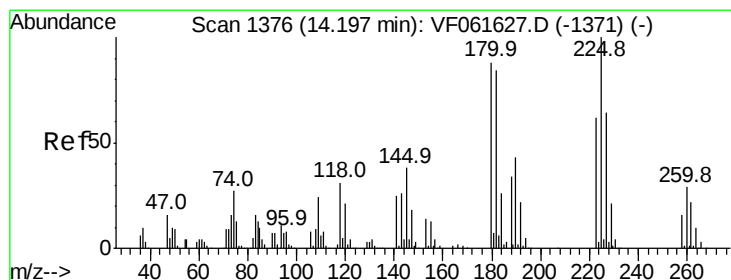
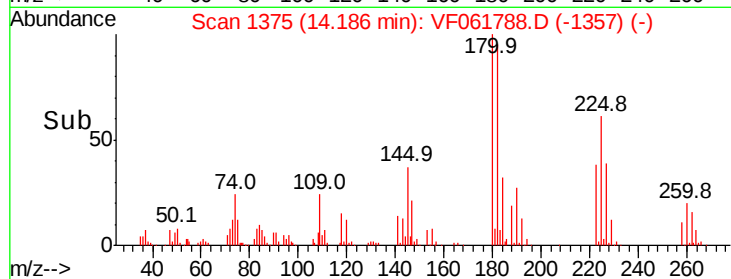
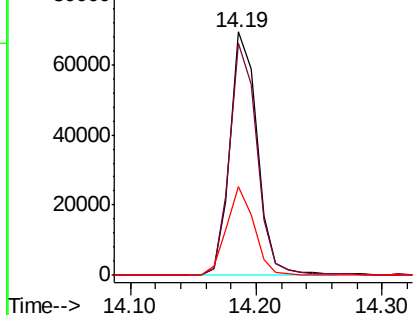
#93  
 1,2,4-Trichlorobenzene  
 Concen: 23.241 ug/l  
 RT: 14.19 min Scan# 1375  
 Delta R.T. -0.02 min  
 Lab File: VF061788.D  
 Acq: 28 Feb 2019 15:30

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0228SBS01

Tot Ion:180 Resp: 103782  
 Ion Ratio Lower Upper  
 180 100  
 182 95.3 48.6 145.9  
 145 36.6 15.3 45.9

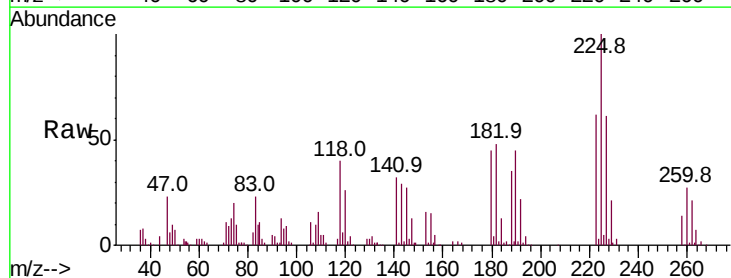


Abundance Ion 180.00 (179.70 to 180.70): V  
 Ion 182.00 (181.70 to 182.70): V  
 Ion 145.00 (144.70 to 145.70): V

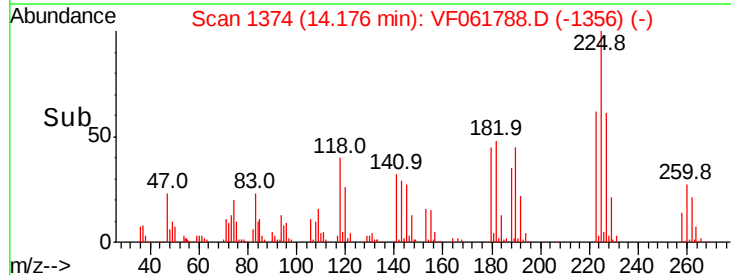
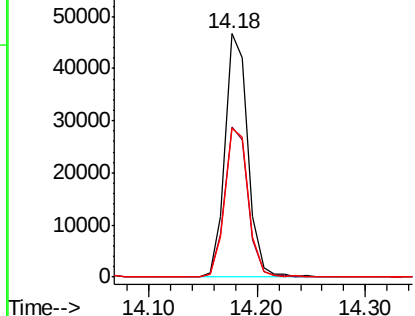


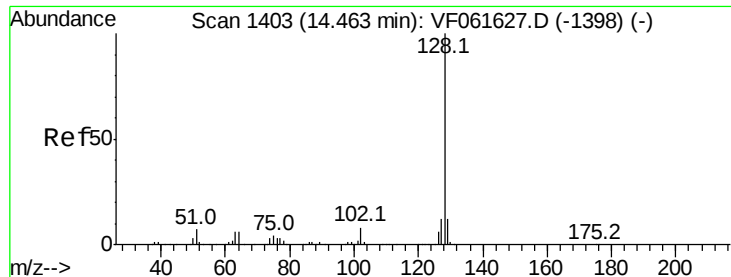
#94  
 Hexachlorobutadiene  
 Concen: 25.045 ug/l  
 RT: 14.18 min Scan# 1374  
 Delta R.T. -0.02 min  
 Lab File: VF061788.D  
 Acq: 28 Feb 2019 15:30

Tgt Ion:225 Resp: 69071  
 Ion Ratio Lower Upper  
 225 100  
 223 61.7 30.9 92.7  
 227 61.1 32.1 96.3



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





#95

Naphthalene

Concen: 23.136 ug/l

RT: 14.44 min Scan# 1401

Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

Instrument :

MSVOA\_F

ClientSampleId :

VF0228SBS01

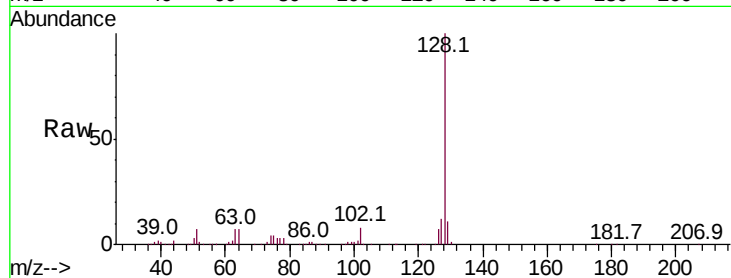
Tot Ion:128 Resp: 180758

Ion Ratio Lower Upper

128 100

127 11.6 9.8 14.6

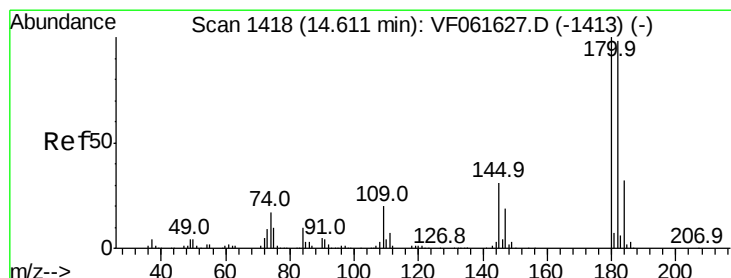
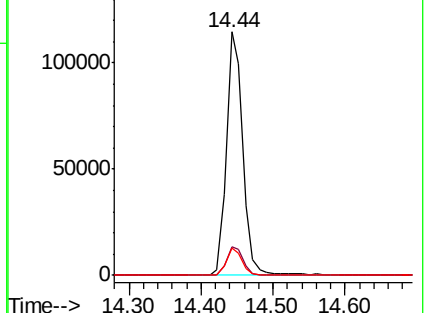
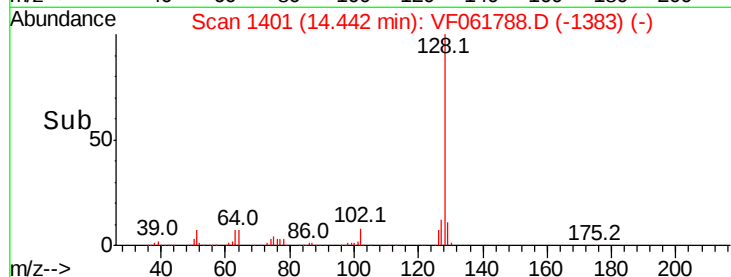
129 11.2 9.4 14.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 23.326 ug/l

RT: 14.59 min Scan# 1416

Delta R.T. -0.02 min

Lab File: VF061788.D

Acq: 28 Feb 2019 15:30

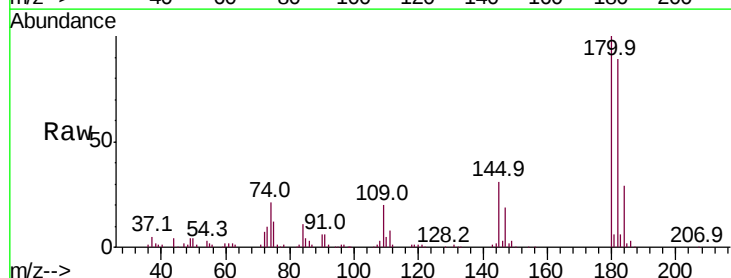
Tgt Ion:180 Resp: 95605

Ion Ratio Lower Upper

180 100

182 88.7 49.0 147.2

145 30.8 15.4 46.1



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

