

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031419\  
 Data File : VF061940.D  
 Acq On : 14 Mar 2019 15:57  
 Operator : VA/AP  
 Sample : VF0314SBSD01  
 Misc : 5.00g/5mL/MSVOA-F/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0314SBSD01

Quant Time: Mar 15 01:45:50 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F030419S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 05 04:50:44 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.87  | 168  | 281011   | 50.00 | ug/l  | -0.01    |
| 34) 1,4-Difluorobenzene    | 5.59  | 114  | 442220   | 50.00 | ug/l  | -0.02    |
| 63) Chlorobenzene-d5       | 9.77  | 117  | 373978   | 50.00 | ug/l  | -0.01    |
| 72) 1,4-Dichlorobenzene-d4 | 12.55 | 152  | 198273   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |       |
|-----------------------------|--------|-----|----------|-------|---------|-------|
| System Monitoring Compounds |        |     |          |       |         |       |
| 33) 1,2-Dichloroethane-d4   | 4.84   | 65  | 111982   | 54.72 | ug/l    | -0.01 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 109.44% |       |
| 35) Dibromofluoromethane    | 4.11   | 113 | 161929   | 52.47 | ug/l    | -0.01 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 104.94% |       |
| 50) Toluene-d8              | 7.55   | 98  | 450347   | 49.10 | ug/l    | -0.01 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.20%  |       |
| 62) 4-Bromofluorobenzene    | 11.41  | 95  | 186498   | 51.90 | ug/l    | -0.01 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.80% |       |

| Target Compounds              |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 0.96 | 85  | 77884   | 22.575  | ug/l   | 92     |
| 3) Chloromethane              | 1.10 | 50  | 79597   | 23.806  | ug/l   | 99     |
| 4) Vinyl Chloride             | 1.14 | 62  | 71916   | 22.658  | ug/l   | 98     |
| 5) Bromomethane               | 1.33 | 94  | 50867   | 23.516  | ug/l   | 98     |
| 6) Chloroethane               | 1.40 | 64  | 37455   | 24.825  | ug/l   | 100    |
| 7) Trichlorofluoromethane     | 1.48 | 101 | 91017   | 23.479  | ug/l   | 97     |
| 8) Diethyl Ether              | 1.63 | 74  | 19932   | 22.611  | ug/l   | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 1.83 | 101 | 65050   | 24.710  | ug/l   | 97     |
| 10) Methyl Iodide             | 1.90 | 142 | 117827m | 23.520  | ug/l   |        |
| 11) Tert butyl alcohol        | 2.57 | 59  | 12108   | 104.240 | ug/l # | 93     |
| 12) 1,1-Dichloroethene        | 1.79 | 96  | 54330   | 22.606  | ug/l   | 97     |
| 13) Acrolein                  | 2.00 | 56  | 15016   | 102.024 | ug/l   | 92     |
| 14) Allyl chloride            | 2.10 | 41  | 67978   | 25.675  | ug/l   | 96     |
| 15) Acrylonitrile             | 2.95 | 53  | 44347   | 119.900 | ug/l   | 98     |
| 16) Acetone                   | 2.24 | 43  | 51817   | 120.878 | ug/l   | 100    |
| 17) Carbon Disulfide          | 1.82 | 76  | 166712  | 22.285  | ug/l   | 98     |
| 18) Methyl Acetate            | 2.34 | 43  | 27039m  | 33.006  | ug/l   |        |
| 19) Methyl tert-butyl Ether   | 2.43 | 73  | 94554   | 23.257  | ug/l   | 98     |
| 20) Methylene Chloride        | 2.18 | 84  | 63571m  | 23.955  | ug/l   |        |
| 21) trans-1,2-Dichloroethene  | 2.30 | 96  | 59352   | 26.240  | ug/l   | 89     |
| 22) Diisopropyl ether         | 2.80 | 45  | 167813  | 24.366  | ug/l   | 97     |
| 23) Vinyl Acetate             | 3.18 | 43  | 371072  | 120.604 | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 2.87 | 63  | 99998   | 24.292  | ug/l   | 99     |
| 25) 2-Butanone                | 4.34 | 43  | 109305  | 125.356 | ug/l   | 94     |
| 26) 2,2-Dichloropropane       | 3.60 | 77  | 46417   | 25.258  | ug/l   | 98     |
| 27) cis-1,2-Dichloroethene    | 3.48 | 96  | 72944   | 23.277  | ug/l   | 92     |
| 28) Bromochloromethane        | 3.71 | 49  | 41360   | 23.049  | ug/l # | 93     |
| 29) Tetrahydrofuran           | 4.07 | 42  | 45132   | 120.016 | ug/l   | 97     |
| 30) Chloroform                | 3.85 | 83  | 110454  | 23.491  | ug/l   | 96     |
| 31) Cyclohexane               | 3.68 | 56  | 99283m  | 23.026  | ug/l   |        |
| 32) 1,1,1-Trichloroethane     | 4.09 | 97  | 73637   | 25.407  | ug/l   | 98     |
| 36) 1,1-Dichloropropene       | 4.28 | 75  | 92064   | 22.039  | ug/l   | 96     |
| 37) Ethyl Acetate             | 4.11 | 43  | 36480   | 20.806  | ug/l # | 94     |
| 38) Carbon Tetrachloride      | 3.99 | 117 | 68516   | 23.170  | ug/l   | 95     |

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

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0314SBSD01

Quant Time: Mar 15 01:45:50 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F030419S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 05 04:50:44 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 5.45  | 83   | 106275   | 21.539  | ug/l   | 94       |
| 40) Benzene                    | 4.63  | 78   | 236523   | 21.662  | ug/l   | 99       |
| 41) Methacrylonitrile          | 4.74  | 41   | 19989    | 20.808  | ug/l # | 90       |
| 42) 1,2-Dichloroethane         | 4.94  | 62   | 55749    | 20.488  | ug/l   | 96       |
| 43) Isopropyl Acetate          | 6.96  | 43   | 43193    | 19.985  | ug/l   | 94       |
| 44) Trichloroethene            | 5.50  | 130  | 73909    | 21.781  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 6.23  | 63   | 55489    | 21.371  | ug/l   | 91       |
| 46) Dibromomethane             | 6.08  | 93   | 33784    | 20.674  | ug/l   | 91       |
| 47) Bromodichloromethane       | 6.38  | 83   | 75885    | 21.020  | ug/l # | 93       |
| 48) Methyl methacrylate        | 6.71  | 41   | 27890    | 20.390  | ug/l   | 93       |
| 49) 1,4-Dioxane                | 6.70  | 88   | 5136     | 410.752 | ug/l   | 93       |
| 51) 4-Methyl-2-Pentanone       | 8.25  | 43   | 159500   | 106.779 | ug/l   | 94       |
| 52) Toluene                    | 7.62  | 92   | 135976   | 21.051  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 8.27  | 75   | 61907    | 20.774  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 7.29  | 75   | 87483    | 21.284  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 8.49  | 97   | 39674    | 21.317  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 8.62  | 69   | 43387    | 20.686  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 8.85  | 76   | 64871    | 21.314  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 7.29  | 63   | 40782    | 122.912 | ug/l   | 97       |
| 59) 2-Hexanone                 | 9.48  | 43   | 127819   | 118.614 | ug/l   | 99       |
| 60) Dibromochloromethane       | 8.71  | 129  | 55486    | 20.918  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 8.98  | 107  | 41288    | 20.174  | ug/l   | 98       |
| 64) Tetrachloroethene          | 8.15  | 164  | 63055    | 21.943  | ug/l   | 94       |
| 65) Chlorobenzene              | 9.79  | 112  | 155545   | 21.649  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane  | 9.93  | 131  | 57898    | 20.798  | ug/l   | 98       |
| 67) Ethyl Benzene              | 9.90  | 91   | 263049   | 22.089  | ug/l   | 98       |
| 68) m/p-Xylenes                | 10.12 | 106  | 203021   | 44.502  | ug/l   | 99       |
| 69) o-Xylene                   | 10.71 | 106  | 104636   | 21.300  | ug/l   | 99       |
| 70) Styrene                    | 10.78 | 104  | 155214   | 22.451  | ug/l   | 98       |
| 71) Bromoform                  | 10.76 | 173  | 30547    | 20.762  | ug/l # | 89       |
| 73) Isopropylbenzene           | 11.12 | 105  | 305120   | 22.353  | ug/l   | 98       |
| 74) N-amyl acetate             | 11.37 | 43   | 74273    | 23.635  | ug/l # | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.69 | 83   | 49647    | 21.884  | ug/l   | 94       |
| 76) 1,2,3-Trichloropropane     | 11.79 | 75   | 32707    | 21.123  | ug/l   | 96       |
| 77) Bromobenzene               | 11.48 | 156  | 72198    | 21.977  | ug/l   | 98       |
| 78) n-propylbenzene            | 11.59 | 91   | 360886   | 23.412  | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 11.71 | 91   | 205489   | 23.317  | ug/l   | 92       |
| 80) 1,3,5-Trimethylbenzene     | 11.82 | 105  | 248234   | 22.651  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.86 | 75   | 15537m   | 21.944  | ug/l   |          |
| 82) 4-Chlorotoluene            | 11.89 | 91   | 206025   | 22.855  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.13 | 119  | 273280   | 23.484  | ug/l   | 93       |
| 84) 1,2,4-Trimethylbenzene     | 12.19 | 105  | 239431   | 22.286  | ug/l   | 95       |
| 85) sec-Butylbenzene           | 12.30 | 105  | 337692   | 22.299  | ug/l   | 97       |
| 86) p-Isopropyltoluene         | 12.45 | 119  | 293891   | 22.831  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.47 | 146  | 140458   | 22.517  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 12.56 | 146  | 132783   | 22.067  | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.84 | 91   | 290988   | 23.654  | ug/l   | 95       |
| 90) Hexachloroethane           | 12.91 | 117  | 67479    | 21.779  | ug/l   | 86       |
| 91) 1,2-Dichlorobenzene        | 12.93 | 146  | 128670   | 21.772  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.63 | 75   | 7421     | 21.185  | ug/l   | 81       |

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Data File : VF061940.D  
Acq On : 14 Mar 2019 15:57  
Operator : VA/AP  
Sample : VF0314SBSD01  
Misc : 5.00g/5mL/MSVOA-F/SOIL  
ALS Vial : 5 Sample Multiplier: 1

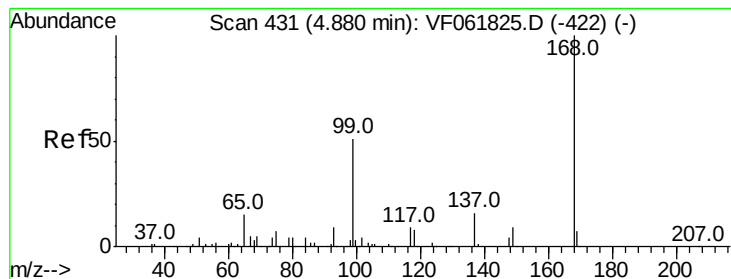
Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0314SBSD01

Quant Time: Mar 15 01:45:50 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F030419S.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 05 04:50:44 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.20 | 180  | 93847    | 22.650 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 14.19 | 225  | 60032    | 20.930 | ug/l  | 98       |
| 95) Naphthalene            | 14.45 | 128  | 158153   | 21.431 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.60 | 180  | 82590    | 21.589 | ug/l  | 96       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA\_F

ClientSampleId :

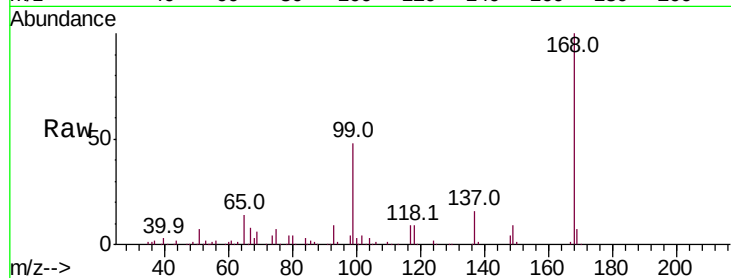
VF0314SBSD01

Tot Ion:168 Resp: 281011

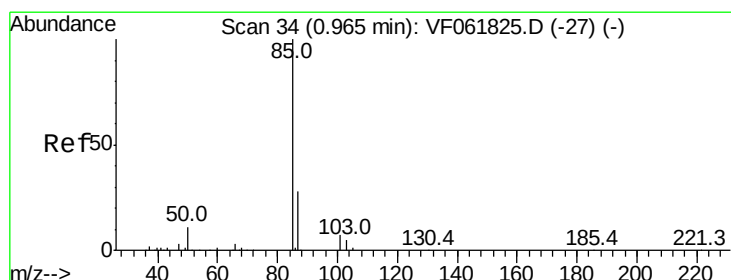
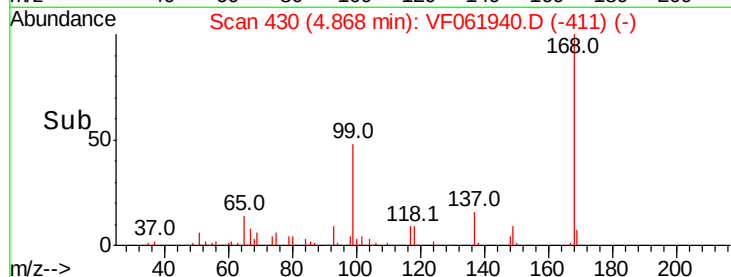
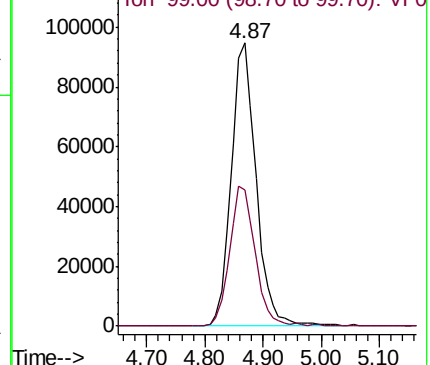
Ion Ratio Lower Upper

168 100

99 48.2 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 22.575 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.00 min

Lab File: VF061940.D

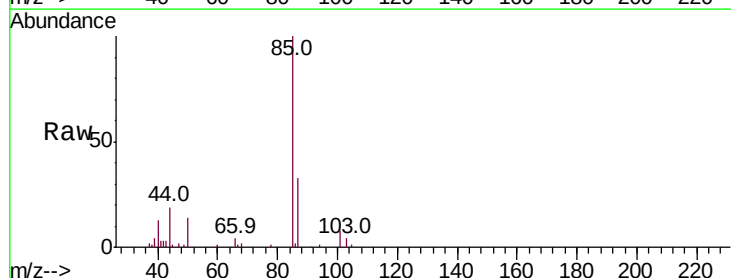
Acq: 14 Mar 2019 15:57

Tgt Ion: 85 Resp: 77884

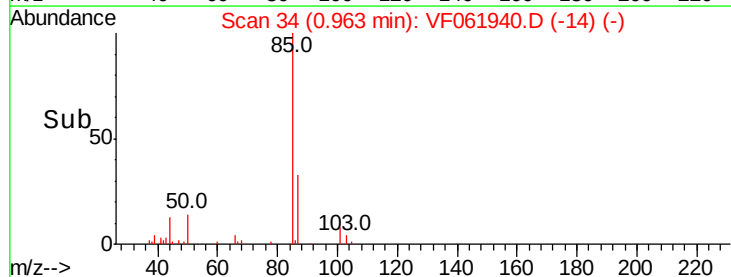
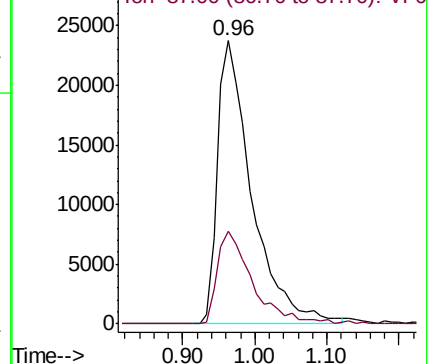
Ion Ratio Lower Upper

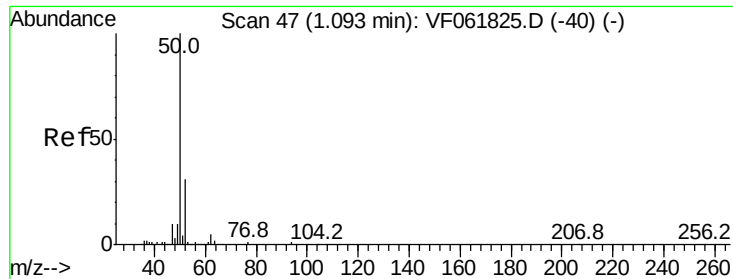
85 100

87 32.5 14.1 42.2



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 23.806 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA\_F

ClientSampleId :

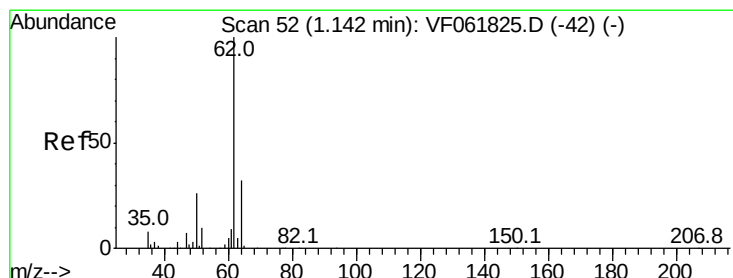
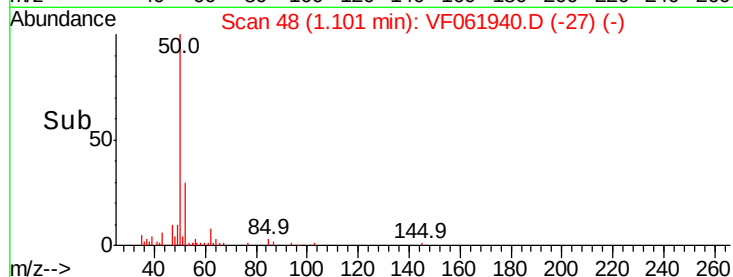
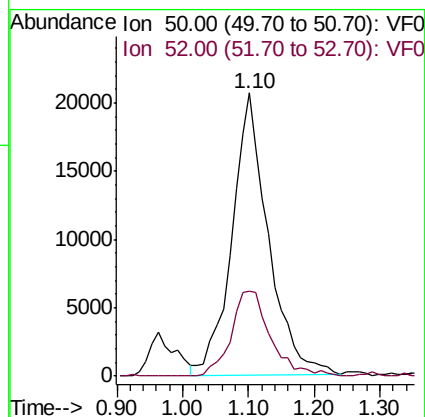
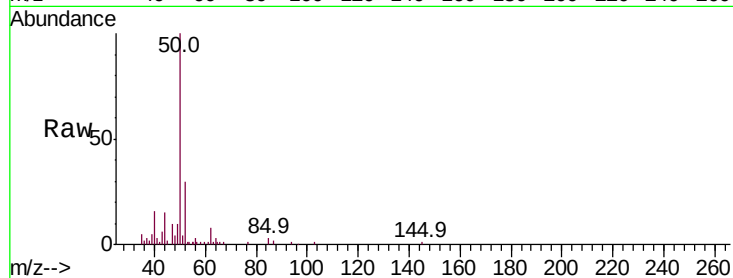
VF0314SBS01

Tot Ion: 50 Resp: 79597

Ion Ratio Lower Upper

50 100

52 30.1 23.8 35.8



#4

Vinyl Chloride

Concen: 22.658 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.00 min

Lab File: VF061940.D

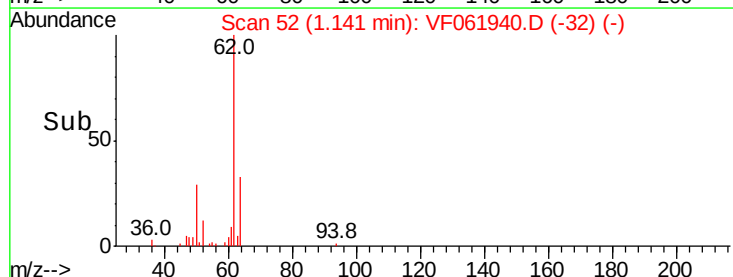
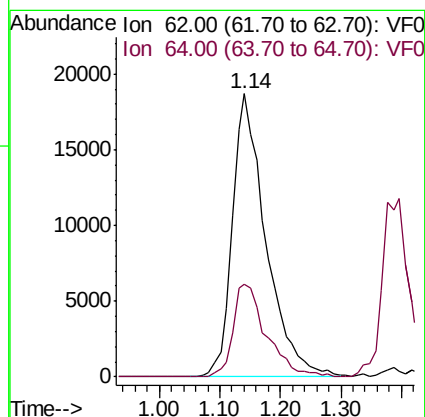
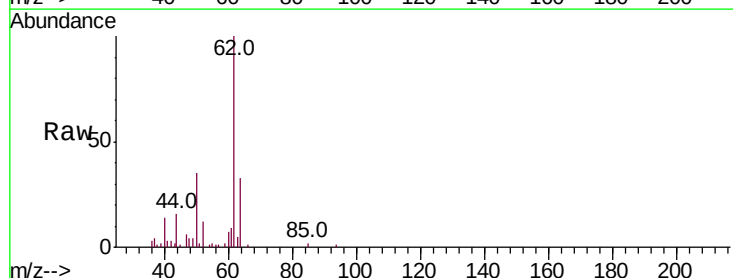
Acq: 14 Mar 2019 15:57

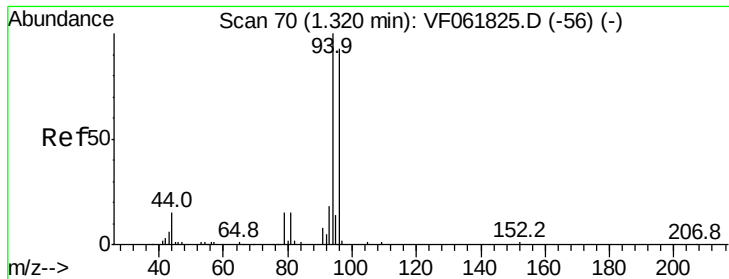
Tgt Ion: 62 Resp: 71916

Ion Ratio Lower Upper

62 100

64 32.8 25.2 37.8





#5

Bromomethane

Concen: 23.516 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA\_F

ClientSampleId :

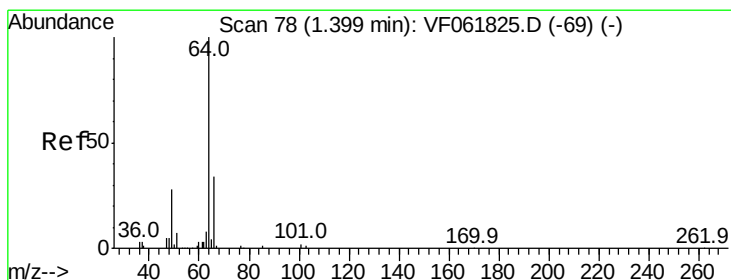
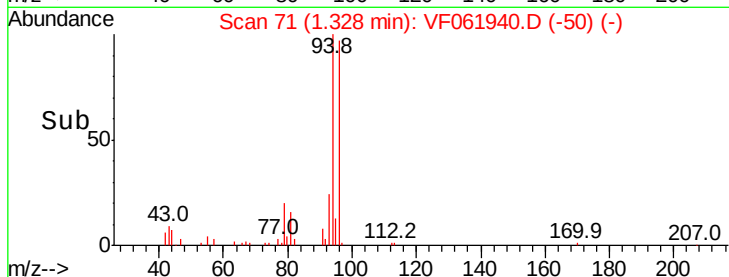
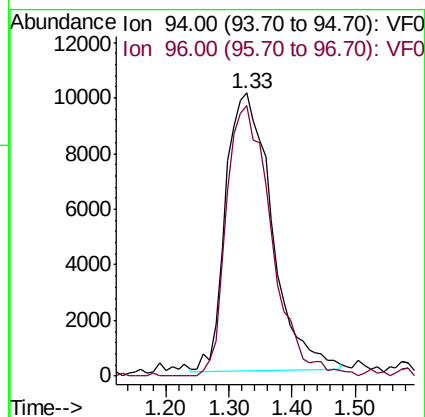
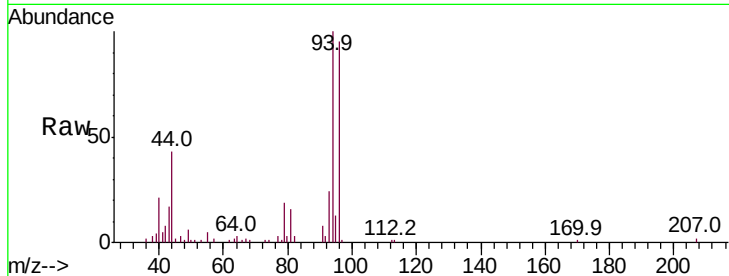
VF0314SBSD01

Tot Ion: 94 Resp: 50867

Ion Ratio Lower Upper

94 100

96 95.5 75.2 112.8



#6

Chloroethane

Concen: 24.825 ug/l

RT: 1.40 min Scan# 78

Delta R.T. -0.00 min

Lab File: VF061940.D

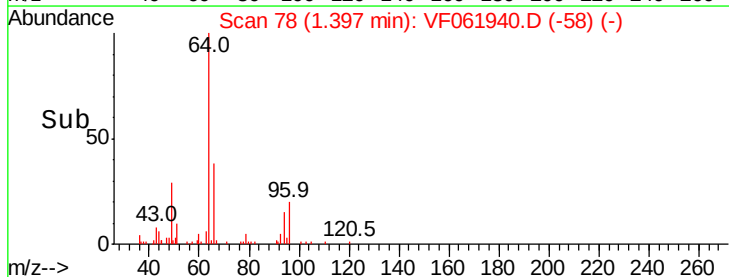
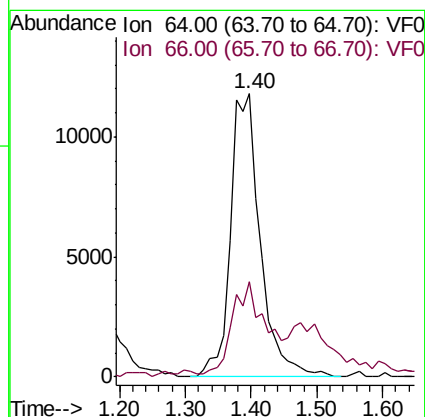
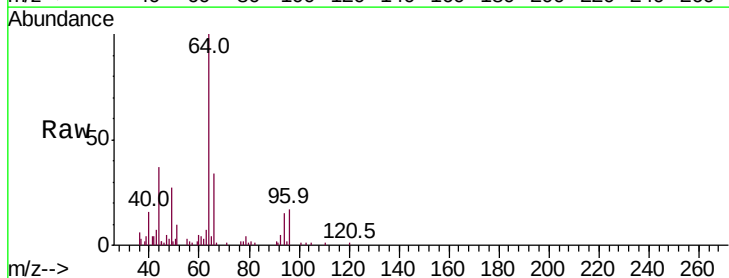
Acq: 14 Mar 2019 15:57

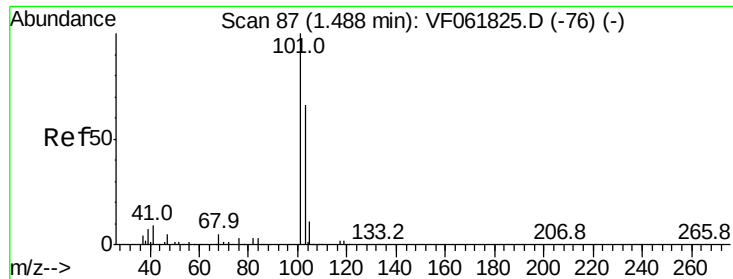
Tgt Ion: 64 Resp: 37455

Ion Ratio Lower Upper

64 100

66 33.6 27.0 40.4





#7

Trichlorofluoromethane

Concen: 23.479 ug/l

RT: 1.48 min Scan# 86

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA\_F

ClientSampleId :

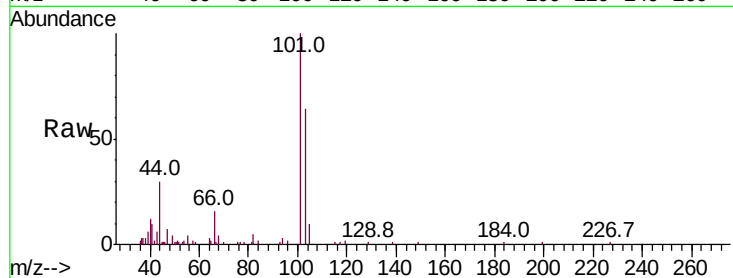
VF0314SBS01

Tot Ion:101 Resp: 91017

Ion Ratio Lower Upper

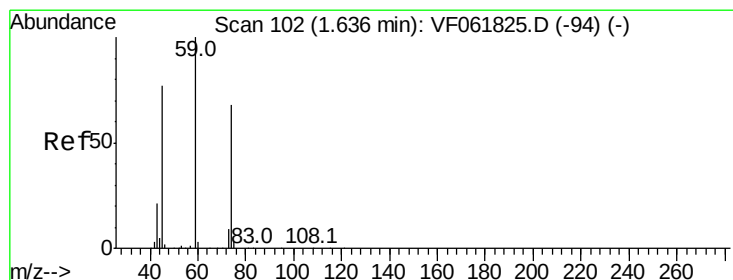
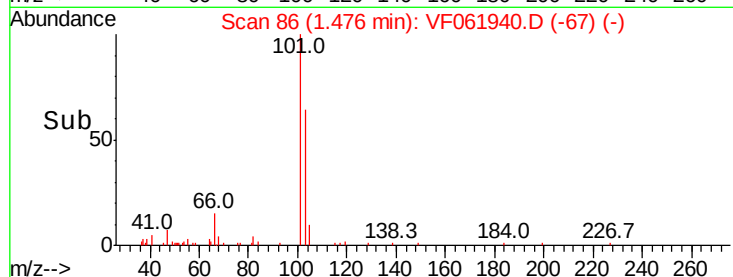
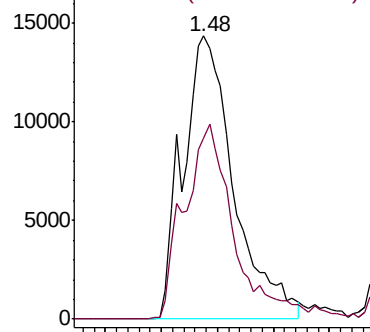
101 100

103 64.0 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 22.611 ug/l

RT: 1.63 min Scan# 102

Delta R.T. -0.00 min

Lab File: VF061940.D

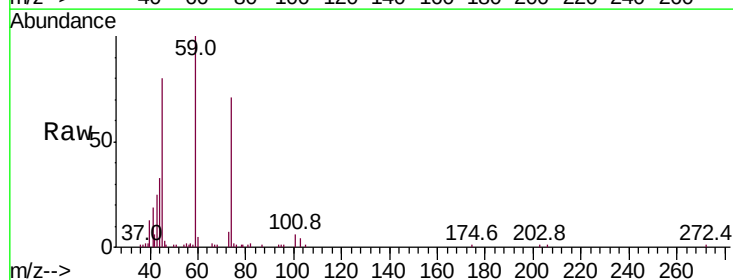
Acq: 14 Mar 2019 15:57

Tgt Ion: 74 Resp: 19932

Ion Ratio Lower Upper

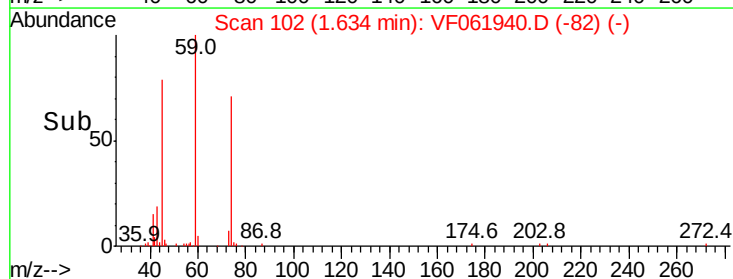
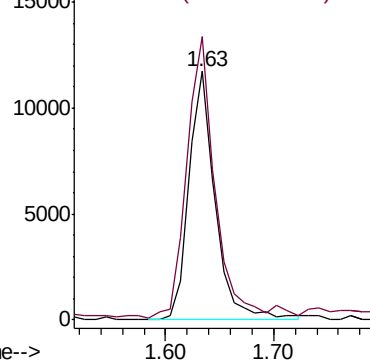
74 100

45 113.9 57.2 171.6

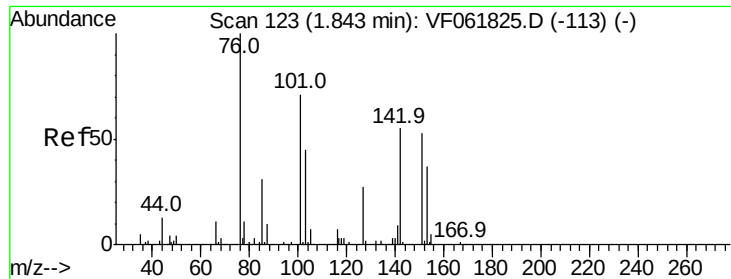


Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0







#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.710 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA\_F

ClientSampleId :

VF0314SBS01

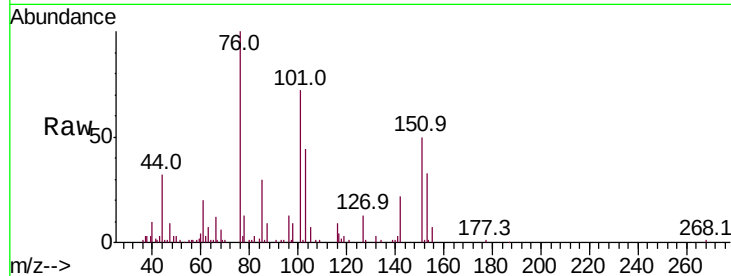
Tot Ion:101 Resp: 65050

Ion Ratio Lower Upper

101 100

85 41.5 34.0 51.0

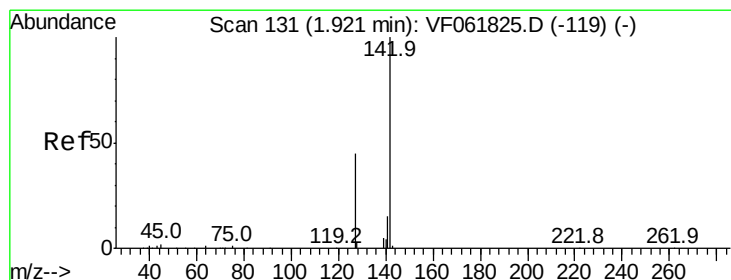
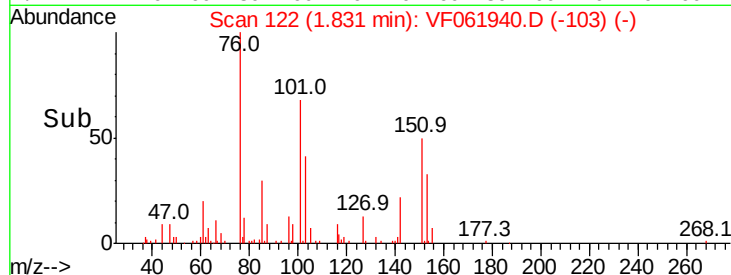
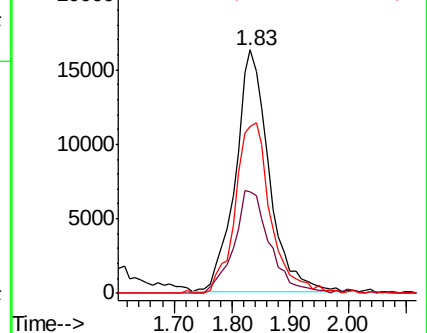
151 68.3 57.3 85.9



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: 23.520 ug/l m

RT: 1.90 min Scan# 129

Delta R.T. -0.02 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

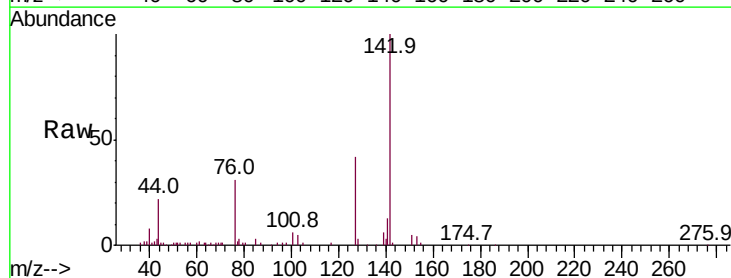
Tgt Ion:142 Resp: 117827

Ion Ratio Lower Upper

142 100

127 42.3 35.8 53.6

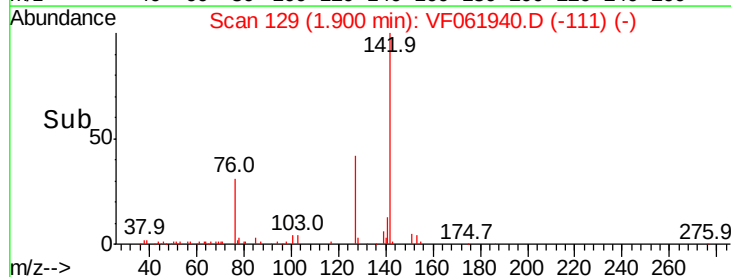
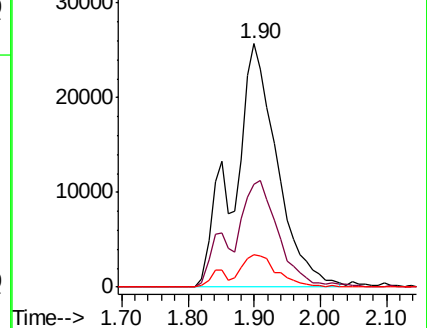
141 13.2 11.7 17.5

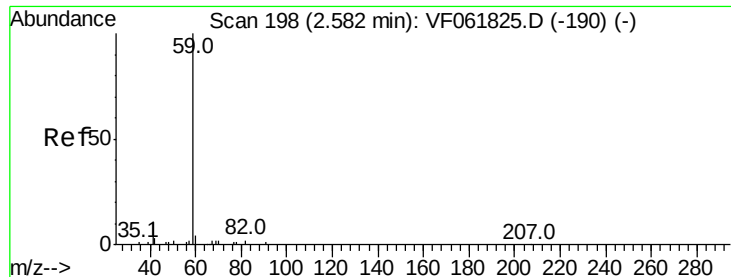


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



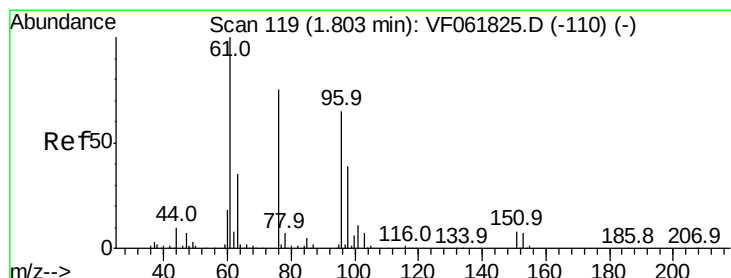
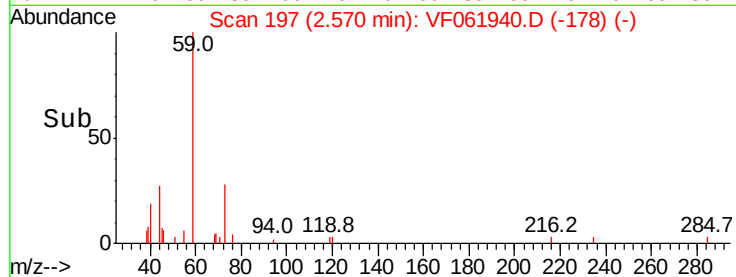
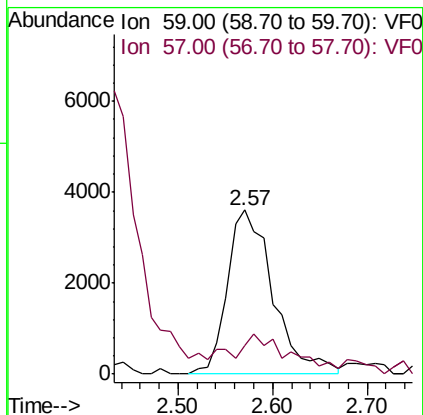
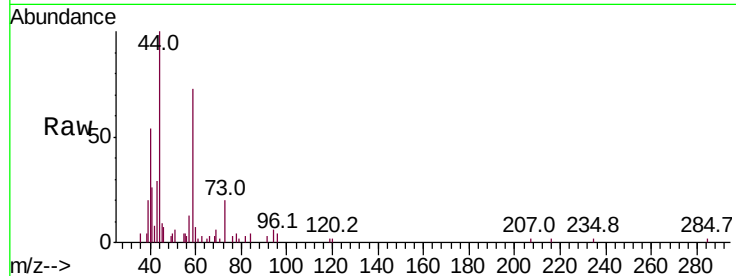


#11

Tert butyl alcohol  
 Concen: 104.240 ug/l  
 RT: 2.57 min Scan# 197  
 Delta R.T. -0.01 min  
 Lab File: VF061940.D  
 Acq: 14 Mar 2019 15:57

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0314SBS01

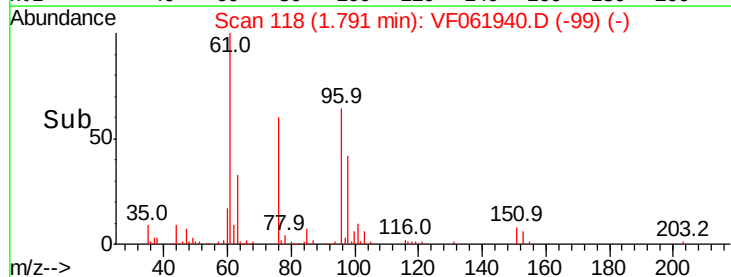
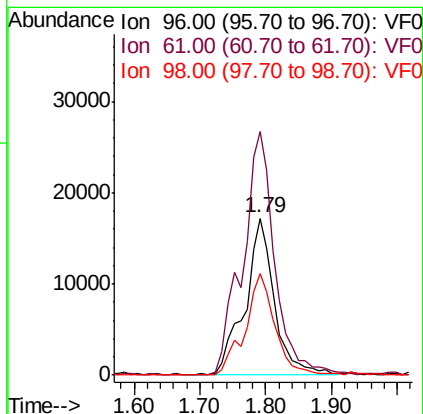
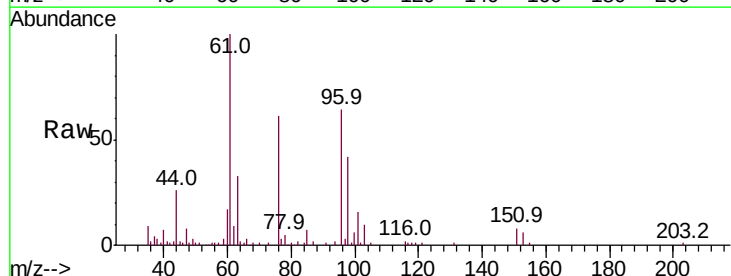
Tot Ion: 59 Resp: 12108  
 Ion Ratio Lower Upper  
 59 100  
 57 17.7 11.8 17.6#

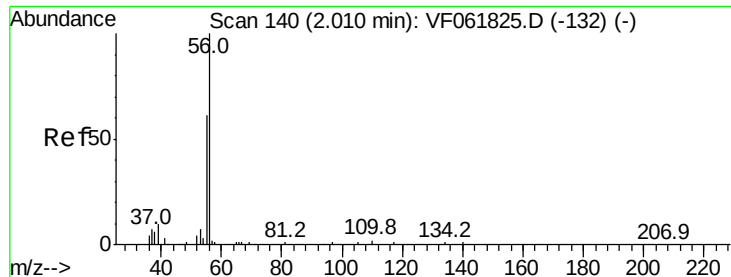


#12

1,1-Dichloroethene  
 Concen: 22.606 ug/l  
 RT: 1.79 min Scan# 118  
 Delta R.T. -0.01 min  
 Lab File: VF061940.D  
 Acq: 14 Mar 2019 15:57

Tgt Ion: 96 Resp: 54330  
 Ion Ratio Lower Upper  
 96 100  
 61 155.5 122.5 183.7  
 98 64.6 47.1 70.7





#13

Acrolein

Concen: 102.024 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA\_F

ClientSampleId :

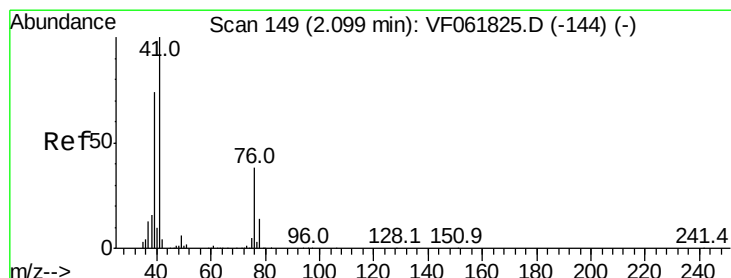
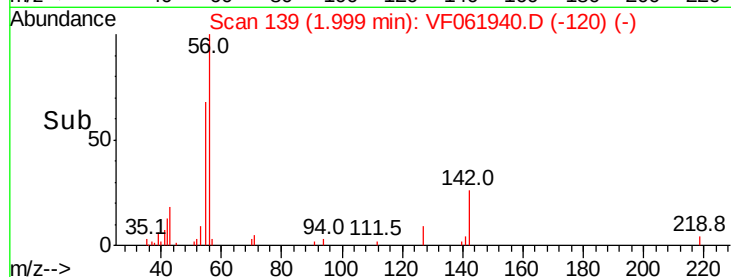
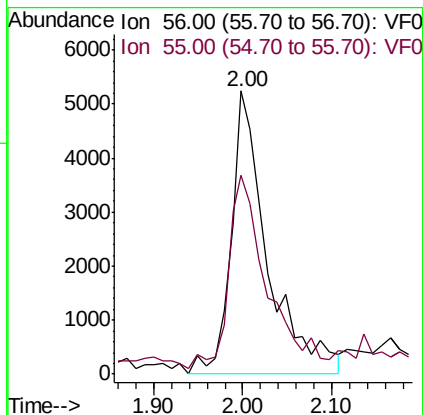
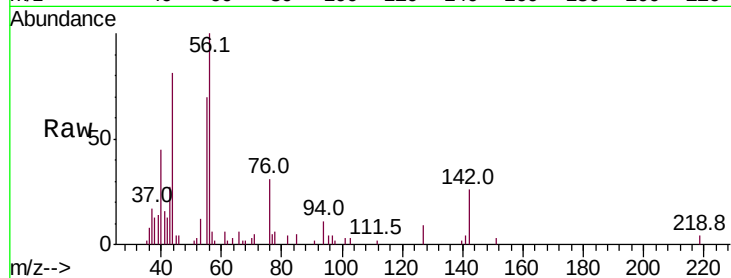
VF0314SBS01

Tot Ion: 56 Resp: 15016

Ion Ratio Lower Upper

56 100

55 70.1 51.3 76.9



#14

Allyl chloride

Concen: 25.675 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.00 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

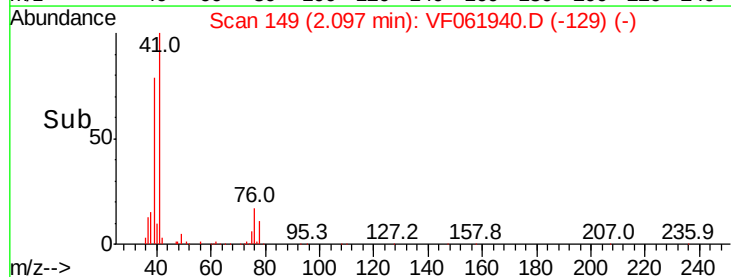
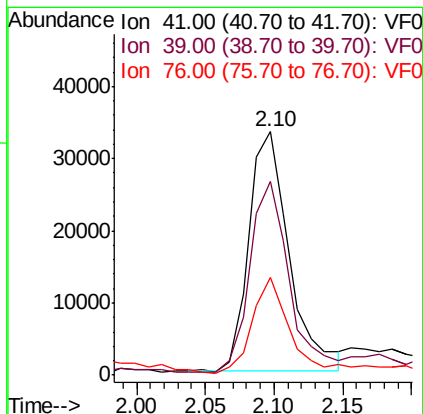
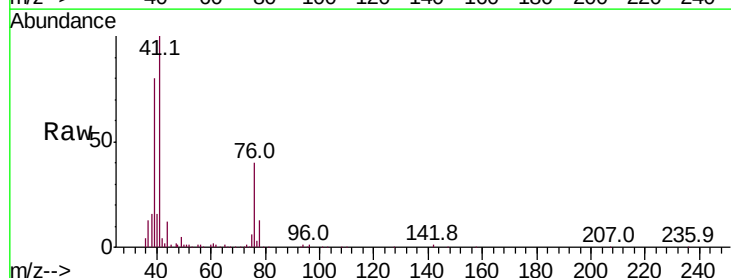
Tgt Ion: 41 Resp: 67978

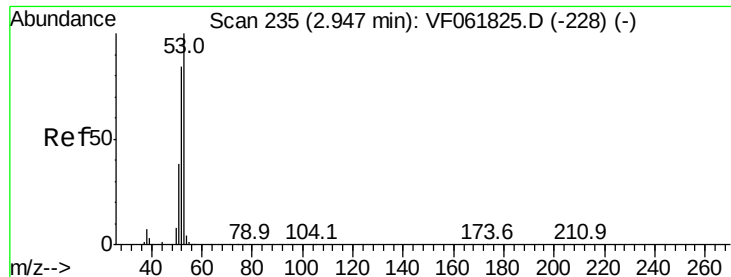
Ion Ratio Lower Upper

41 100

39 79.8 59.6 89.4

76 40.1 32.3 48.5





#15

Acrylonitrile

Concen: 119.900 ug/l

RT: 2.95 min Scan# 235

Delta R.T. -0.00 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

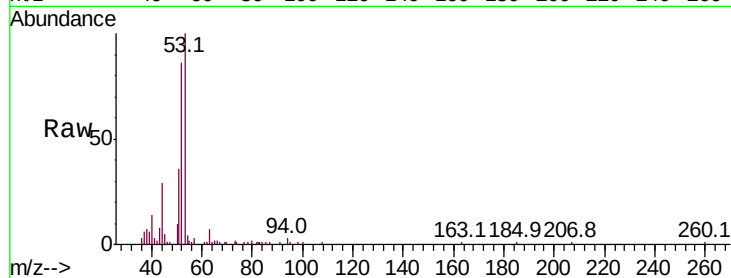
MSVOA\_F

ClientSampleId :

VF0314SBS01

Tot Ion: 53 Resp: 44347

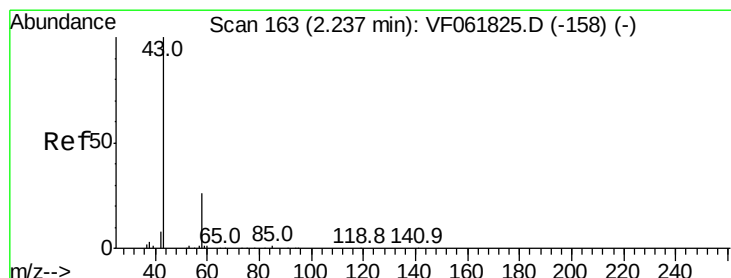
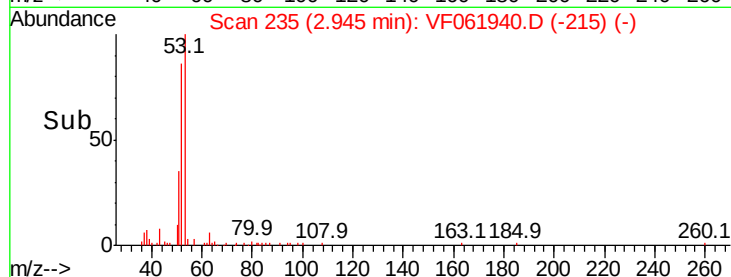
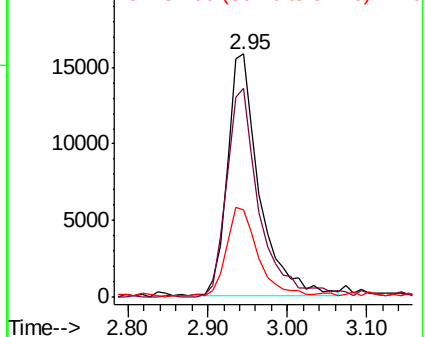
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 53  | 100   |       |       |
| 52  | 85.7  | 67.4  | 101.0 |
| 51  | 35.9  | 30.7  | 46.1  |



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: 120.878 ug/l

RT: 2.24 min Scan# 163

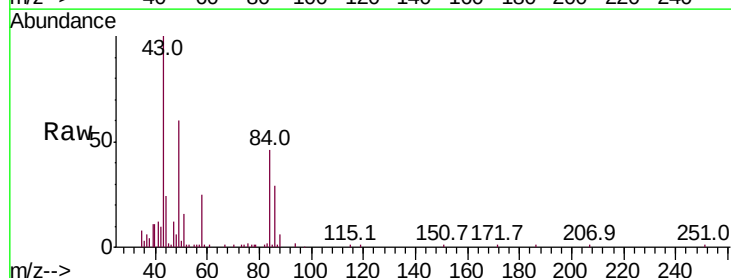
Delta R.T. -0.00 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

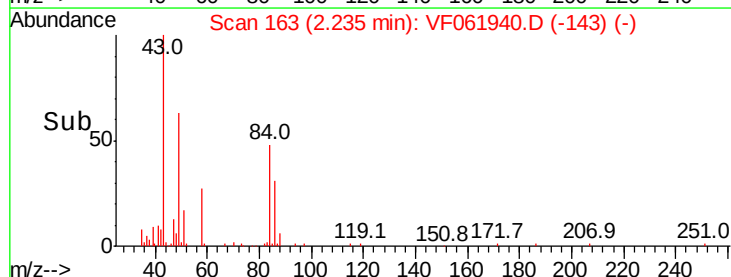
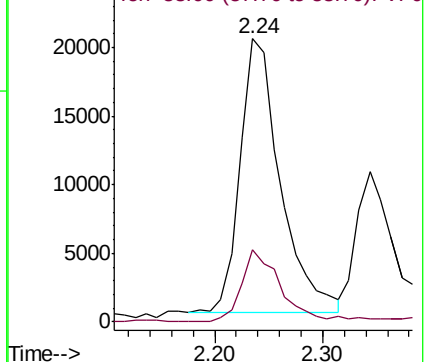
Tgt Ion: 43 Resp: 51817

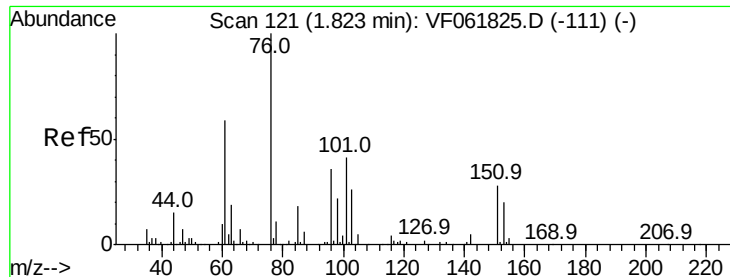
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 25.5  | 20.3  | 30.5  |



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 22.285 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.00 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA\_F

ClientSampleId :

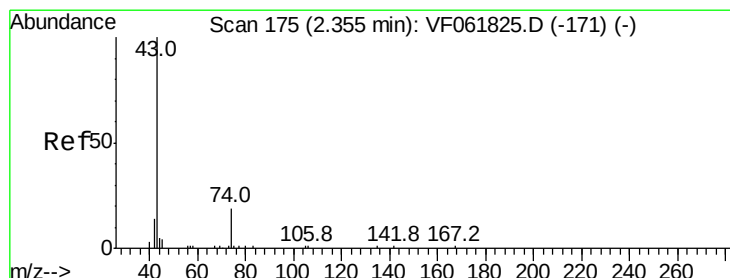
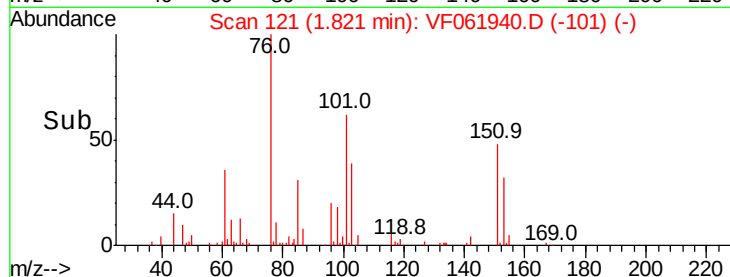
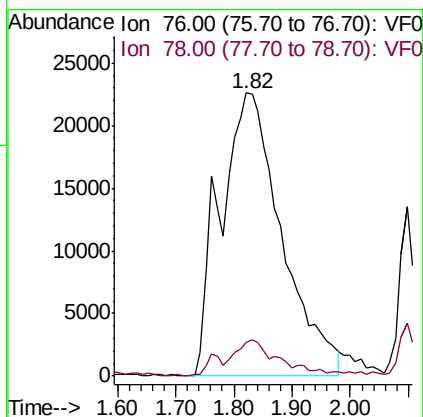
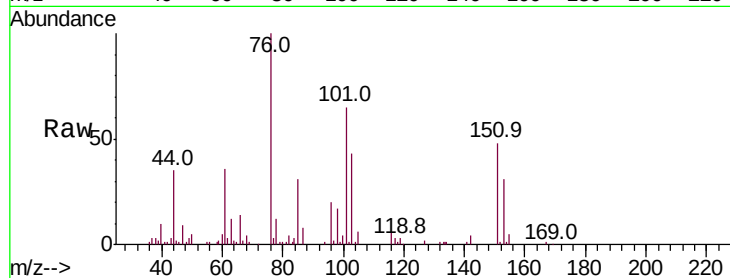
VF0314SBSD01

Tot Ion: 76 Resp: 166712

Ion Ratio Lower Upper

76 100

78 12.1 9.1 13.7



#18

Methyl Acetate

Concen: 33.006 ug/l m

RT: 2.34 min Scan# 174

Delta R.T. -0.01 min

Lab File: VF061940.D

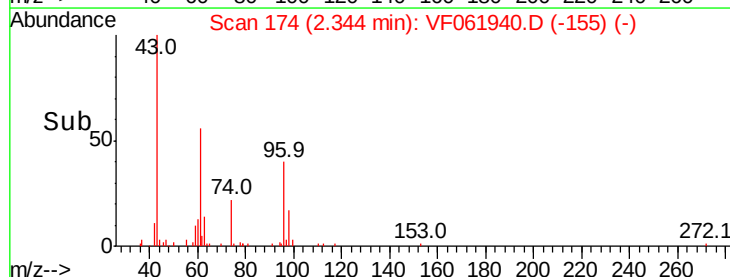
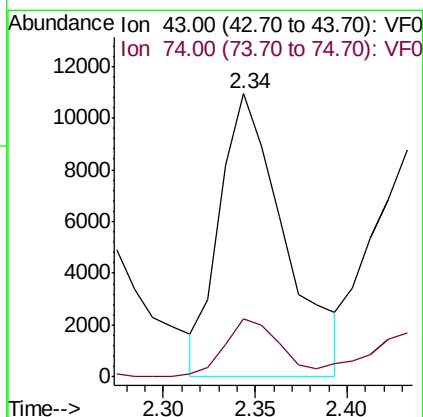
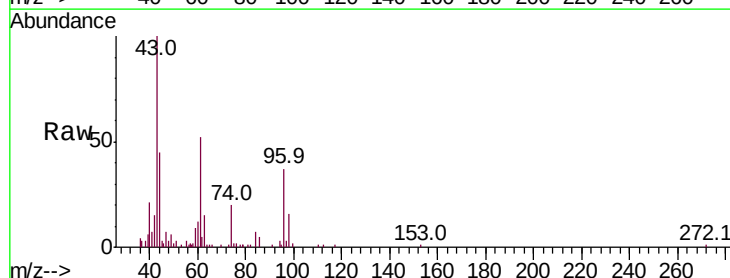
Acq: 14 Mar 2019 15:57

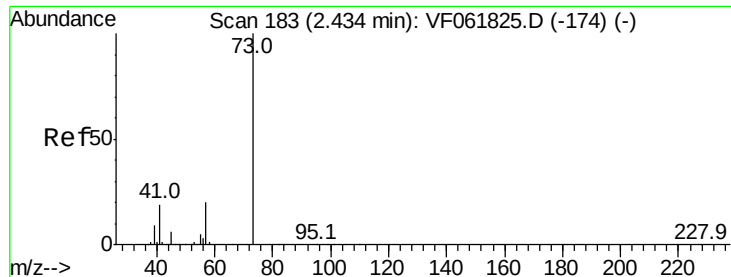
Tgt Ion: 43 Resp: 27039

Ion Ratio Lower Upper

43 100

74 20.3 13.2 19.8#



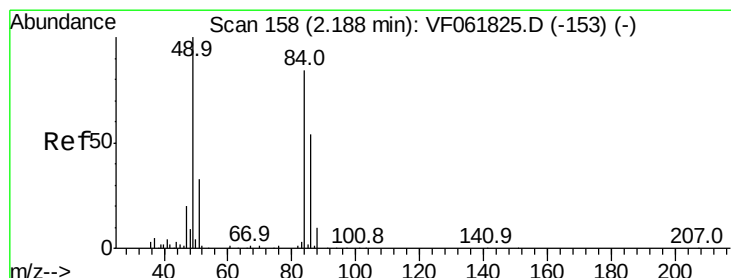
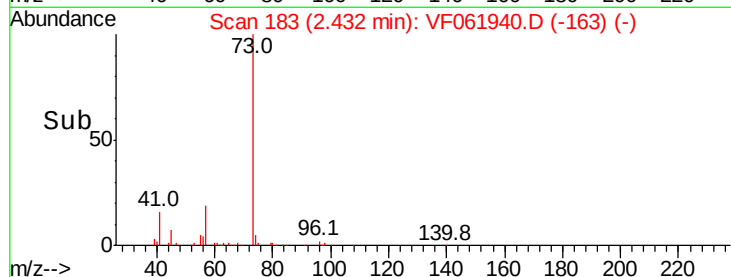
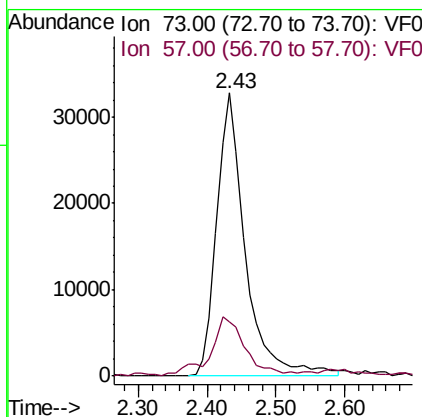
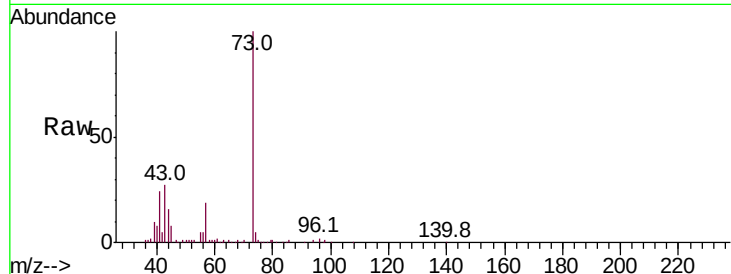


#19

Methyl tert-butyl Ether  
 Concen: 23.257 ug/l  
 RT: 2.43 min Scan# 183  
 Delta R.T. -0.00 min  
 Lab File: VF061940.D  
 Acq: 14 Mar 2019 15:57

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0314SBS01

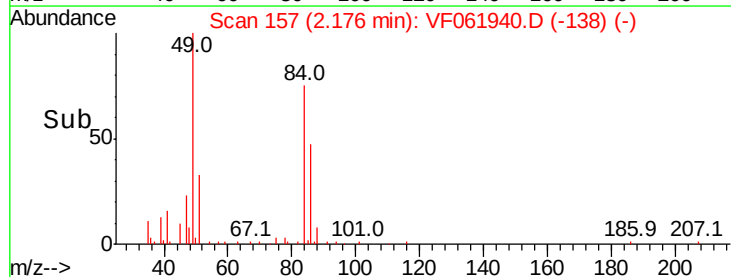
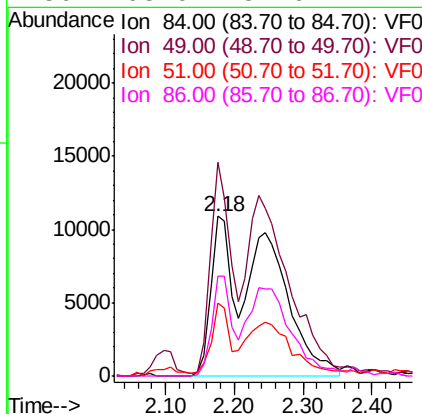
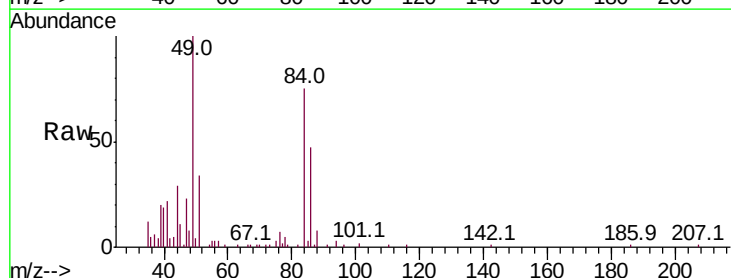
Tot Ion: 73 Resp: 94554  
 Ion Ratio Lower Upper  
 73 100  
 57 19.0 16.1 24.1

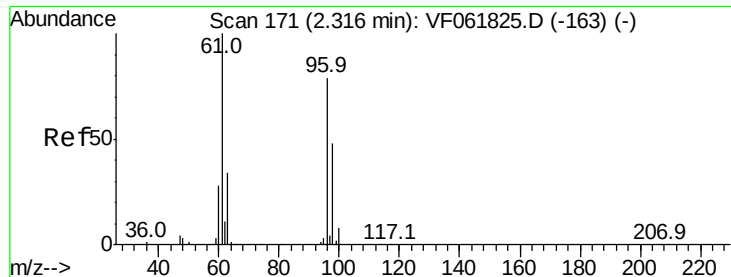


#20

Methylene Chloride  
 Concen: 23.955 ug/l m  
 RT: 2.18 min Scan# 157  
 Delta R.T. -0.01 min  
 Lab File: VF061940.D  
 Acq: 14 Mar 2019 15:57

Tgt Ion: 84 Resp: 63571  
 Ion Ratio Lower Upper  
 84 100  
 49 133.9 96.8 145.2  
 51 45.4 31.8 47.6  
 86 63.0 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 26.240 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA\_F

ClientSampleId :

VF0314SBS01

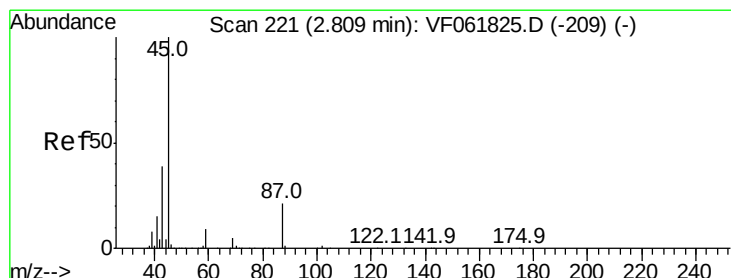
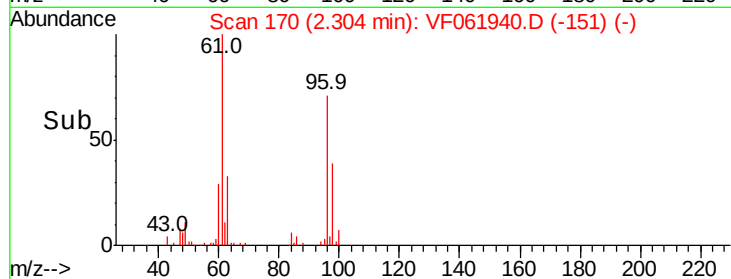
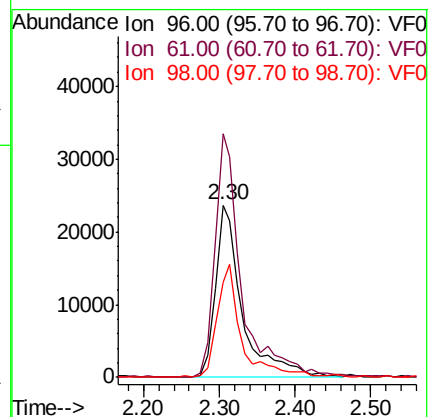
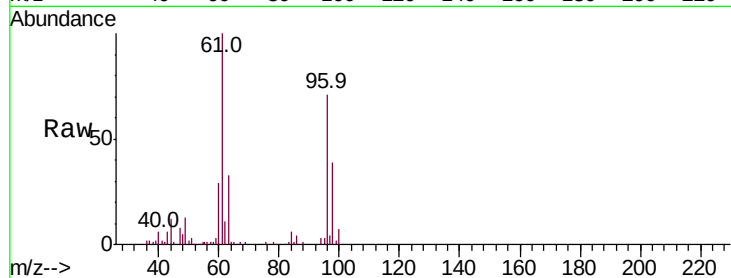
Tot Ion: 96 Resp: 59352

Ion Ratio Lower Upper

96 100

61 141.2 101.0 151.6

98 55.3 48.8 73.2



#22

Diisopropyl ether

Concen: 24.366 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Tgt Ion: 45 Resp: 167813

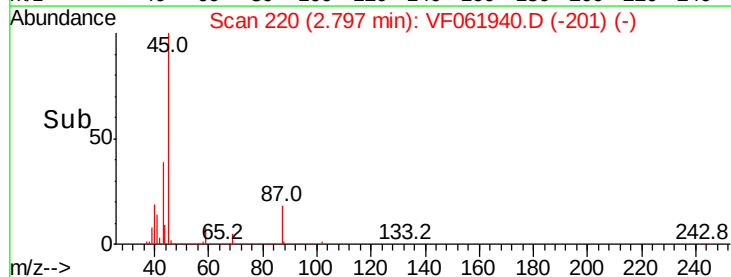
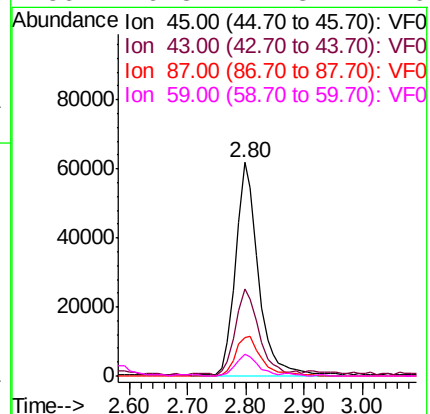
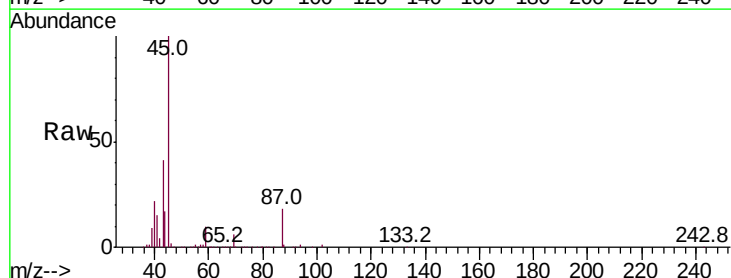
Ion Ratio Lower Upper

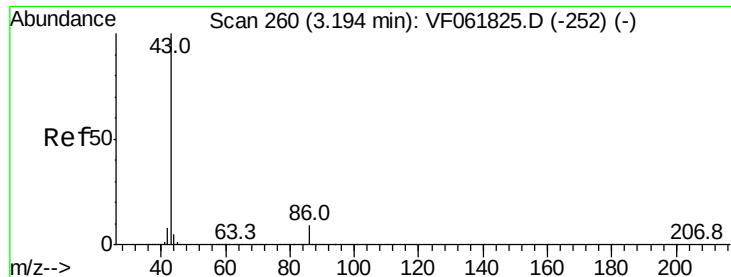
45 100

43 40.9 31.8 47.8

87 17.9 17.1 25.7

59 10.3 7.8 11.6





#23

Vinyl Acetate

Concen: 120.604 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA\_F

ClientSampleId :

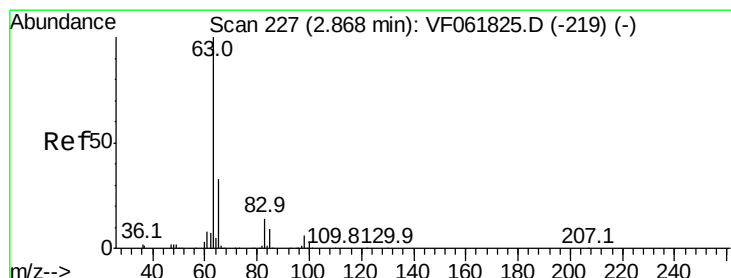
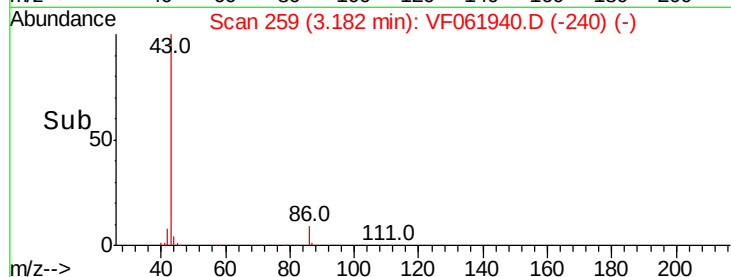
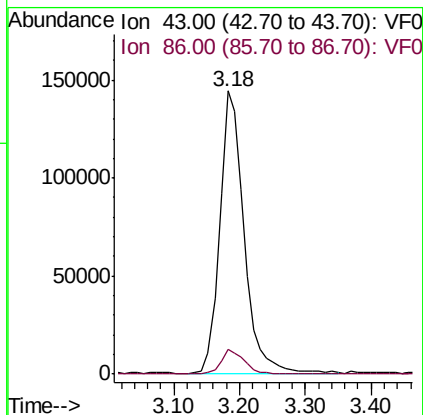
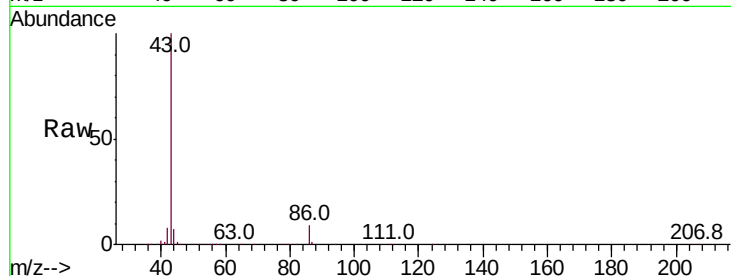
VF0314SBS01

Tot Ion: 43 Resp: 371072

Ion Ratio Lower Upper

43 100

86 8.6 7.0 10.4



#24

1,1-Dichloroethane

Concen: 24.292 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.00 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

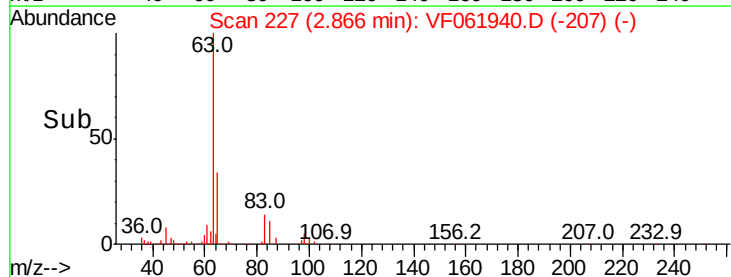
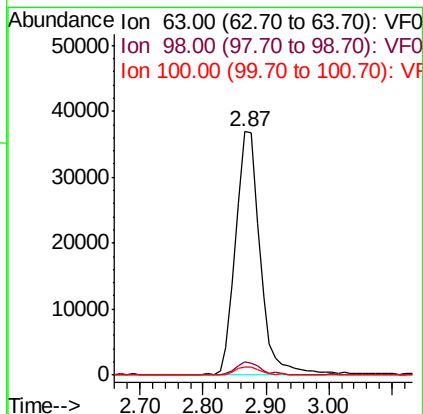
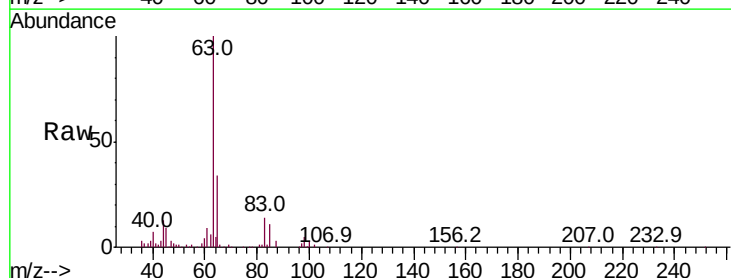
Tgt Ion: 63 Resp: 99998

Ion Ratio Lower Upper

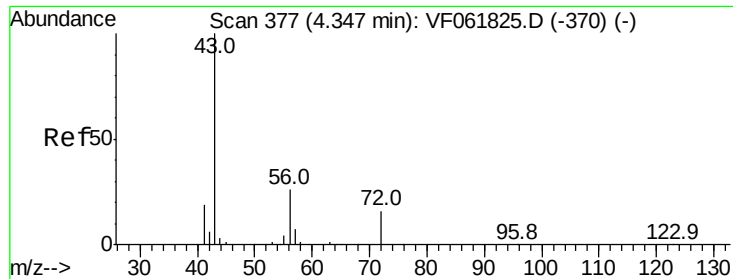
63 100

98 5.5 2.9 8.6

100 3.1 1.8 5.3







#25

2-Butanone

Concen: 125.356 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA\_F

ClientSampleId :

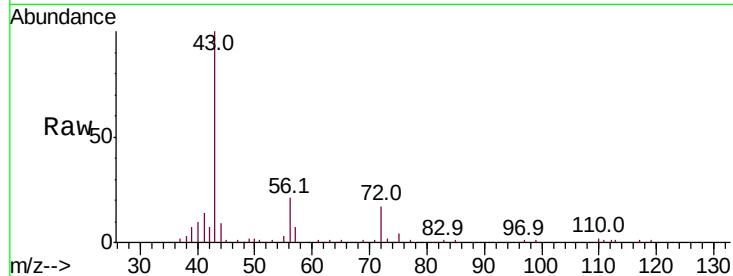
VF0314SBSD01

Tot Ion: 43 Resp: 109305

Ion Ratio Lower Upper

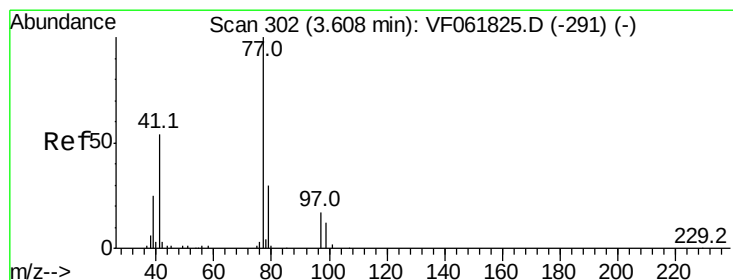
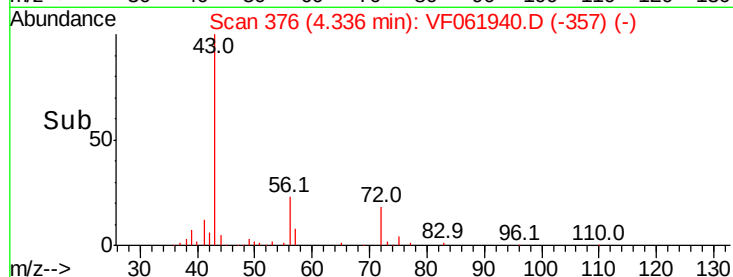
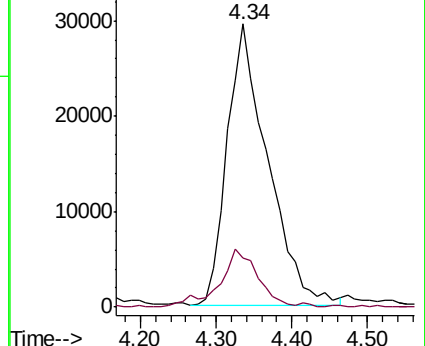
43 100

72 17.4 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 25.258 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.01 min

Lab File: VF061940.D

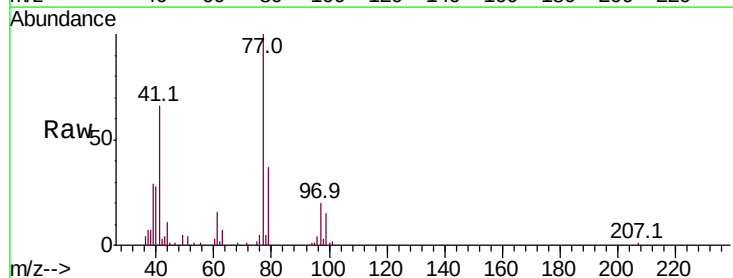
Acq: 14 Mar 2019 15:57

Tgt Ion: 77 Resp: 46417

Ion Ratio Lower Upper

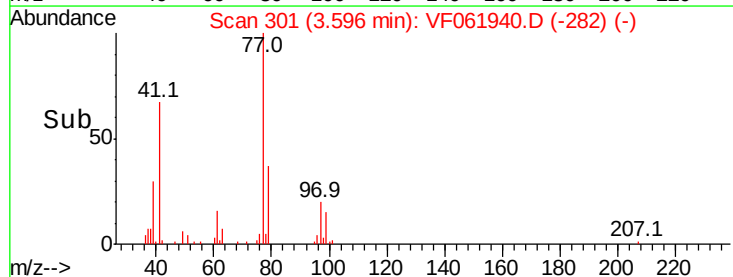
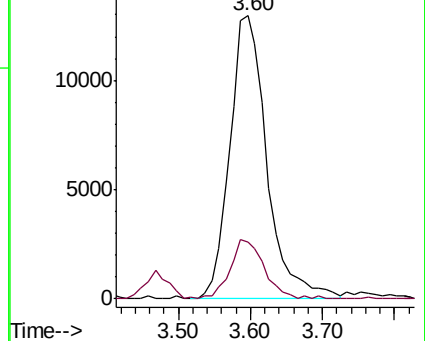
77 100

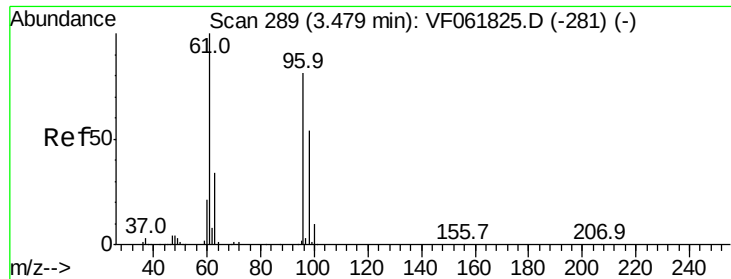
97 20.0 10.4 31.4



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



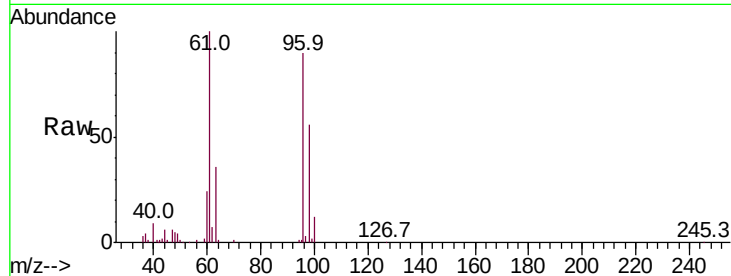


#27

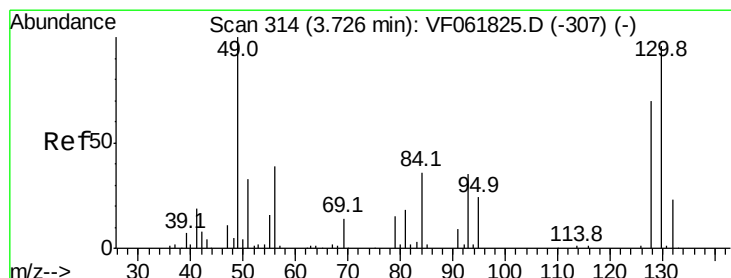
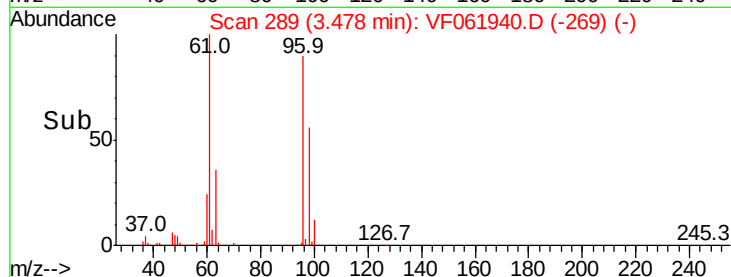
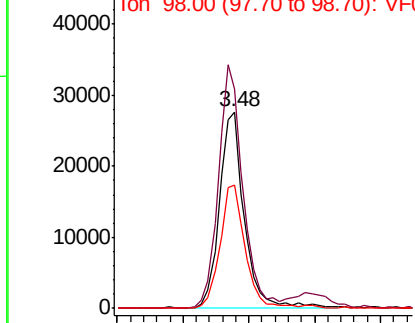
cis-1,2-Dichloroethene  
Concen: 23.277 ug/l  
RT: 3.48 min Scan# 289  
Delta R.T. -0.00 min  
Lab File: VF061940.D  
Acq: 14 Mar 2019 15:57

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0314SBS01

Tot Ion: 96 Resp: 72944  
Ion Ratio Lower Upper  
96 100  
61 111.3 0.0 245.8  
98 62.9 0.0 132.6



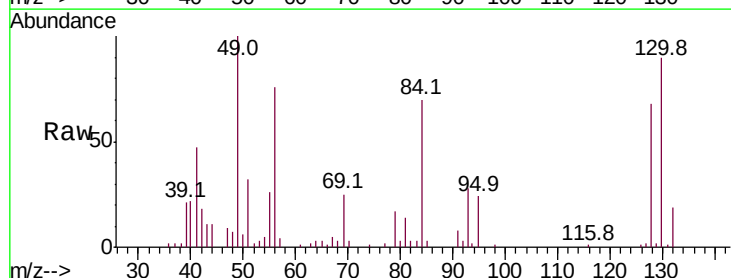
Abundance Ion 96.00 (95.70 to 96.70): VF0  
Ion 61.00 (60.70 to 61.70): VF0  
Ion 98.00 (97.70 to 98.70): VF0



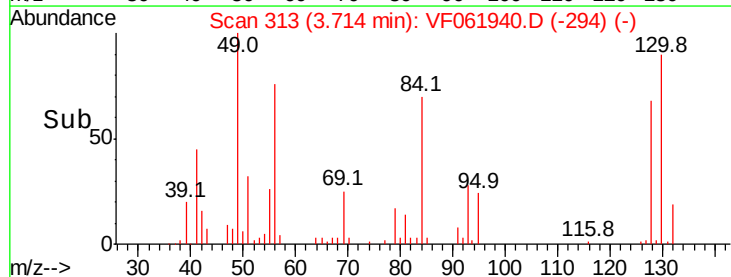
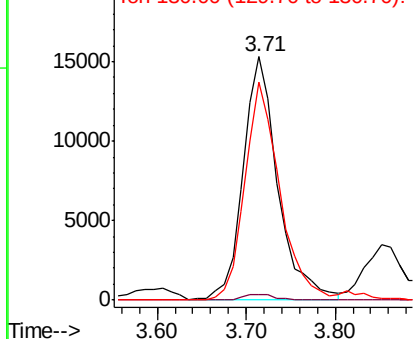
#28

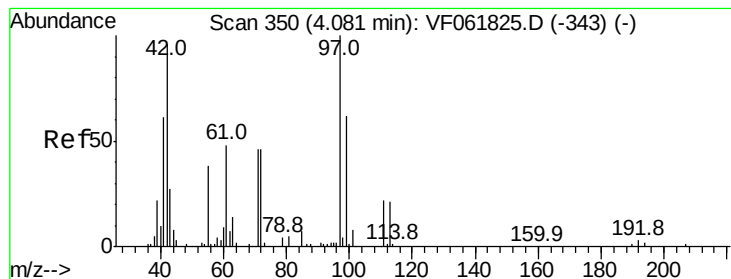
Bromochloromethane  
Concen: 23.049 ug/l  
RT: 3.71 min Scan# 313  
Delta R.T. -0.01 min  
Lab File: VF061940.D  
Acq: 14 Mar 2019 15:57

Tgt Ion: 49 Resp: 41360  
Ion Ratio Lower Upper  
49 100  
129 2.1 0.0 0.0#  
130 89.7 76.9 115.3



Abundance Ion 49.00 (48.70 to 49.70): VF0  
Ion 129.00 (128.70 to 129.70): V  
Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 120.016 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA\_F

ClientSampleId :

VF0314SBS01

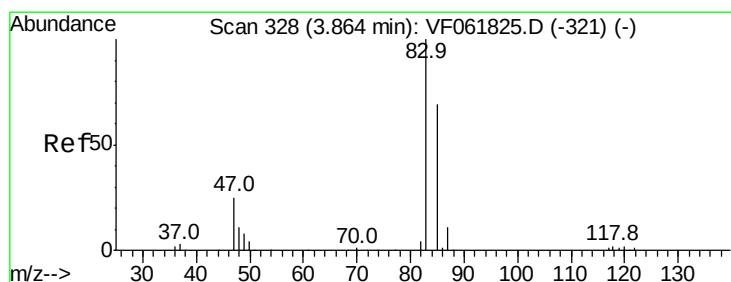
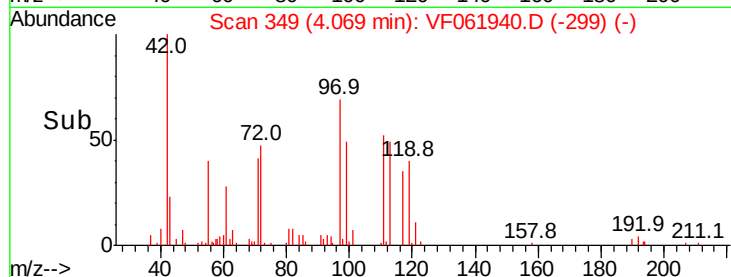
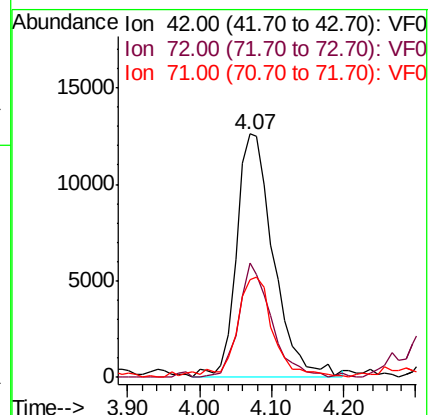
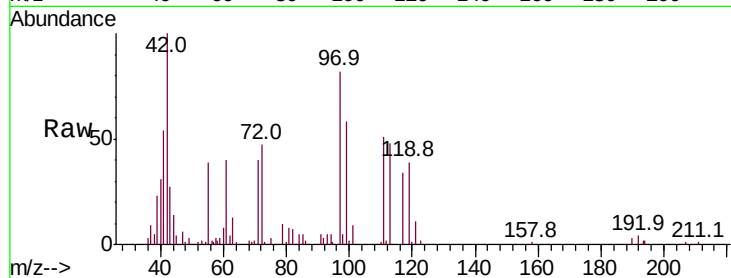
Tot Ion: 42 Resp: 45132

Ion Ratio Lower Upper

42 100

72 41.4 34.4 51.6

71 41.4 34.6 52.0



#30

Chloroform

Concen: 23.491 ug/l

RT: 3.85 min Scan# 327

Delta R.T. -0.01 min

Lab File: VF061940.D

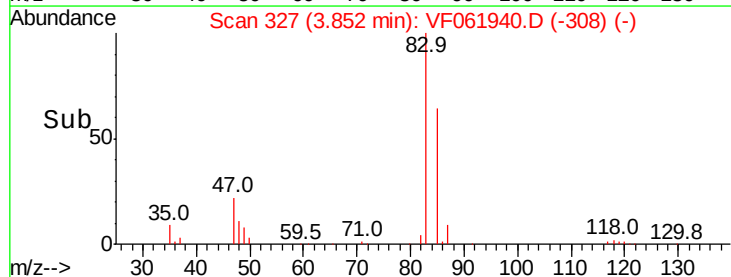
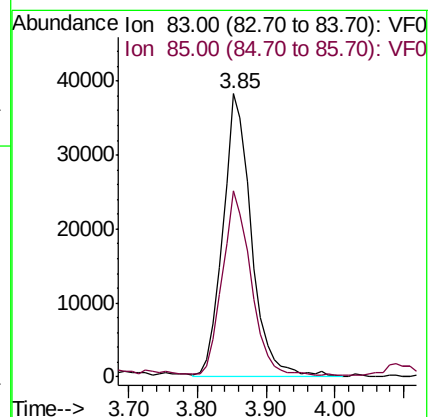
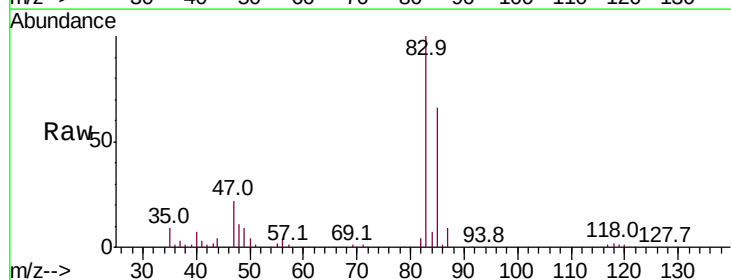
Acq: 14 Mar 2019 15:57

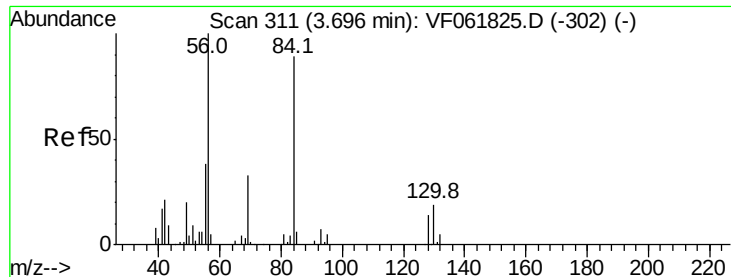
Tgt Ion: 83 Resp: 110454

Ion Ratio Lower Upper

83 100

85 65.9 55.3 82.9

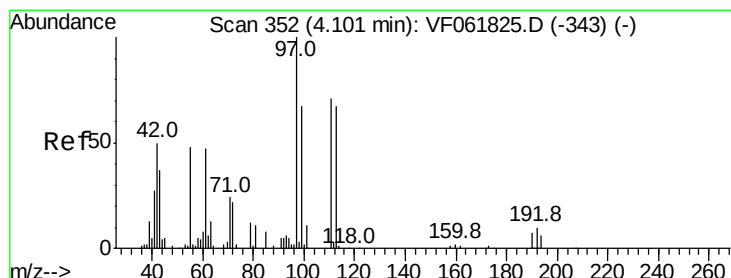
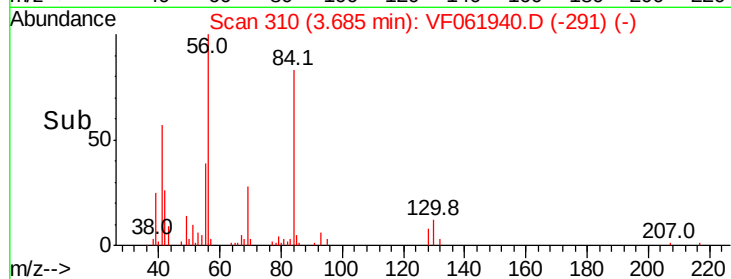
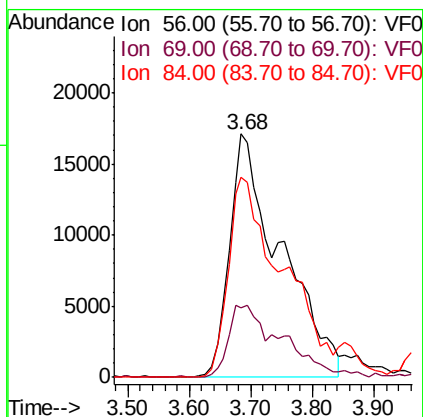
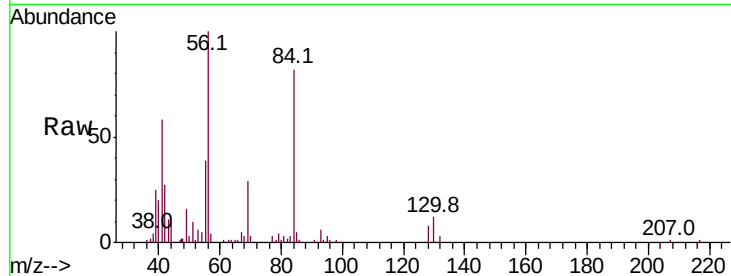




#31  
Cyclohexane  
Concen: 23.026 ug/l m  
RT: 3.68 min Scan# 310  
Delta R.T. -0.01 min  
Lab File: VF061940.D  
Acq: 14 Mar 2019 15:57

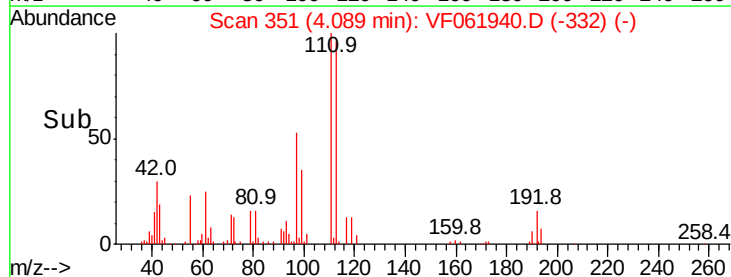
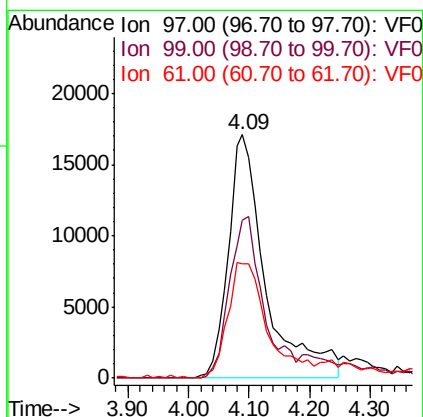
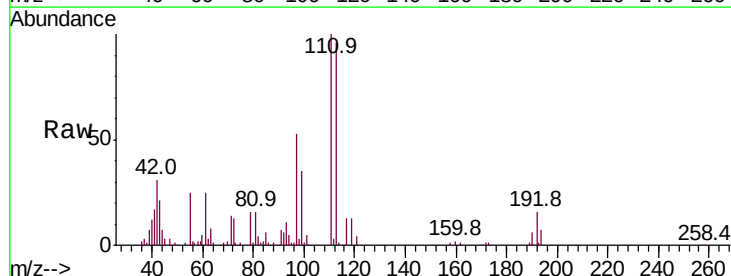
Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0314SBS01

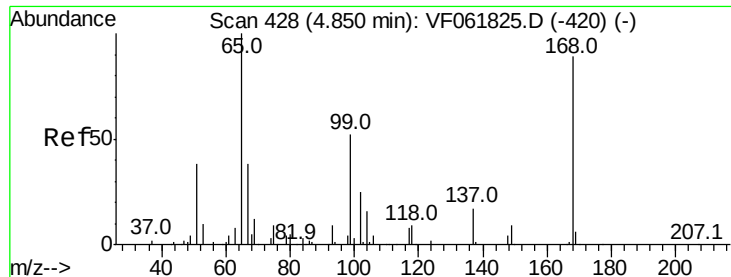
Tot Ion: 56 Resp: 99283  
Ion Ratio Lower Upper  
56 100  
69 28.8 26.0 39.0  
84 82.2 71.0 106.6



#32  
1,1,1-Trichloroethane  
Concen: 25.407 ug/l  
RT: 4.09 min Scan# 351  
Delta R.T. -0.01 min  
Lab File: VF061940.D  
Acq: 14 Mar 2019 15:57

Tgt Ion: 97 Resp: 73637  
Ion Ratio Lower Upper  
97 100  
99 64.9 53.8 80.8  
61 47.1 37.9 56.9





#33

1,2-Dichloroethane-d4

Concen: 54.720 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA\_F

ClientSampleId :

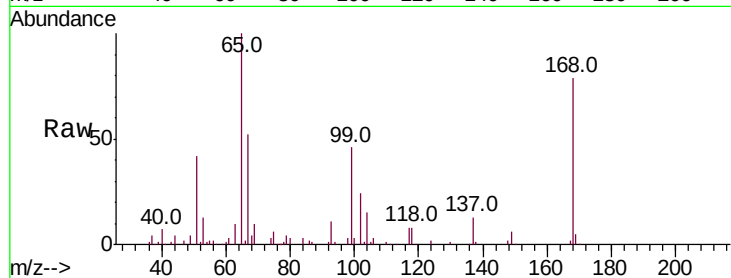
VF0314SBSD01

Tot Ion: 65 Resp: 111982

Ion Ratio Lower Upper

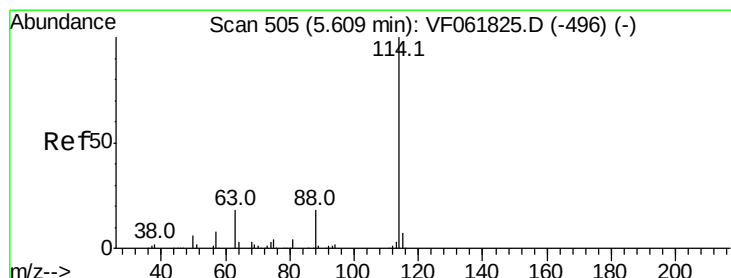
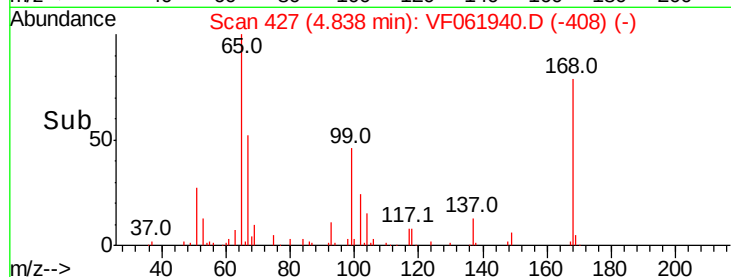
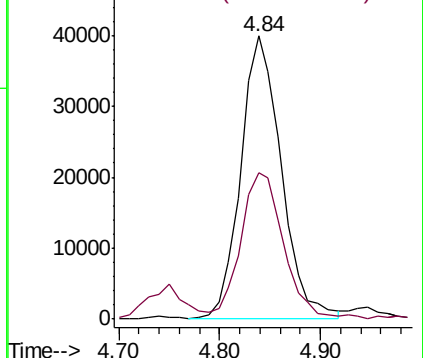
65 100

67 51.6 0.0 108.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.02 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

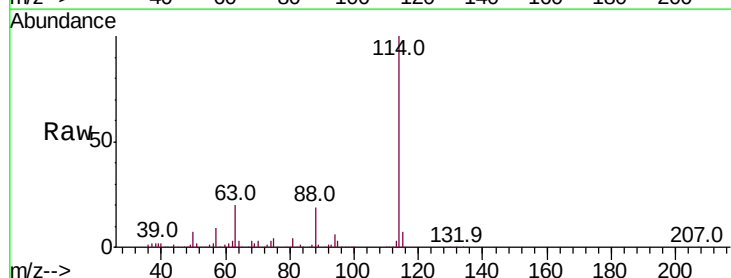
Tgt Ion: 114 Resp: 442220

Ion Ratio Lower Upper

114 100

63 19.9 0.0 35.6

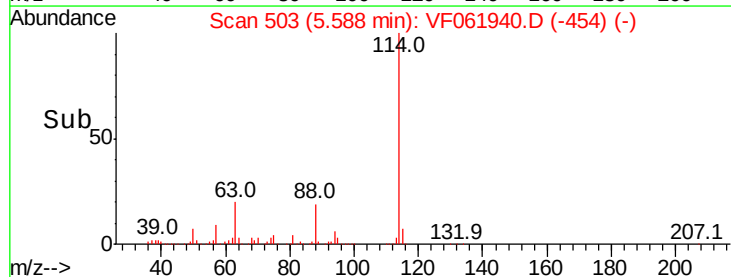
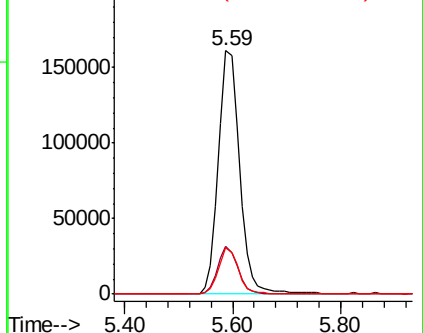
88 19.0 0.0 35.6

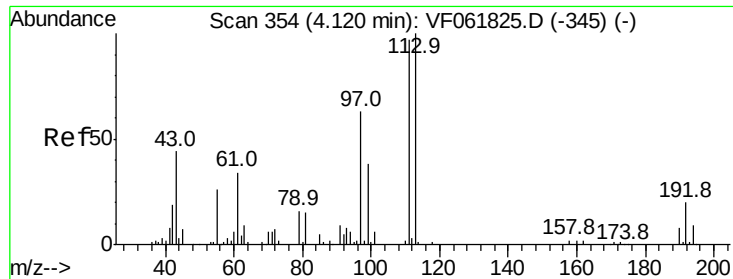


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

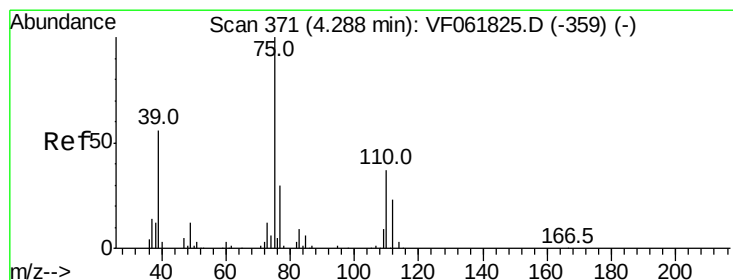
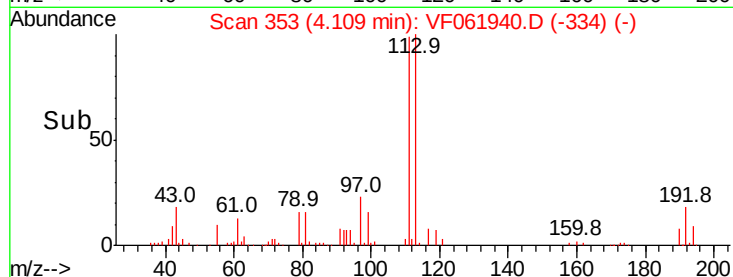
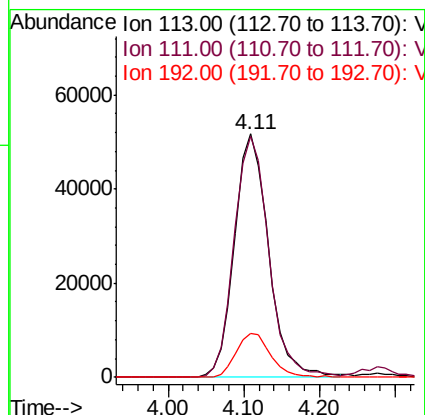
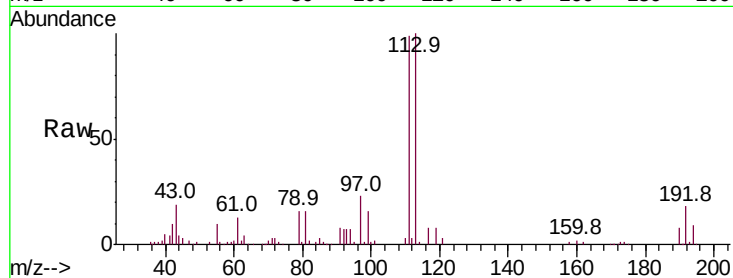




#35  
 Dibromofluoromethane  
 Concen: 52.470 ug/l  
 RT: 4.11 min Scan# 353  
 Delta R.T. -0.01 min  
 Lab File: VF061940.D  
 Acq: 14 Mar 2019 15:57

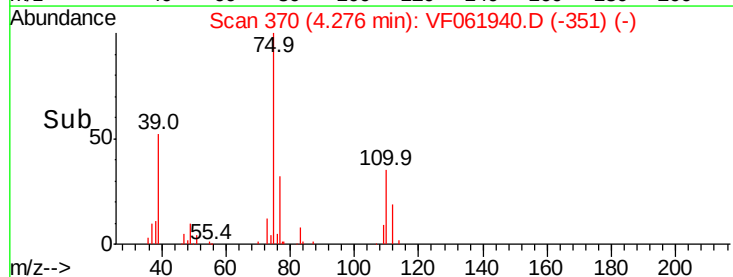
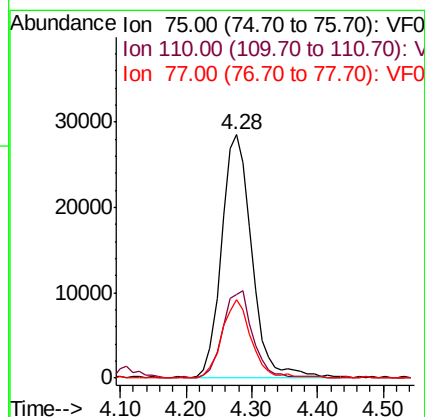
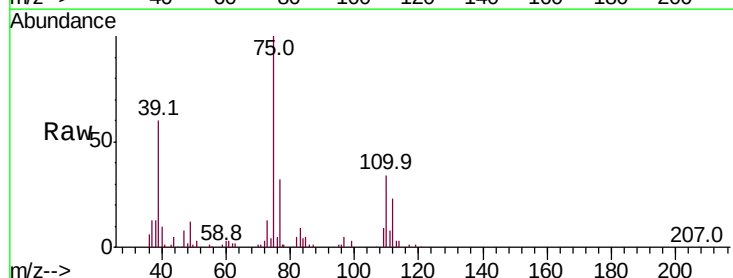
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0314SBS01

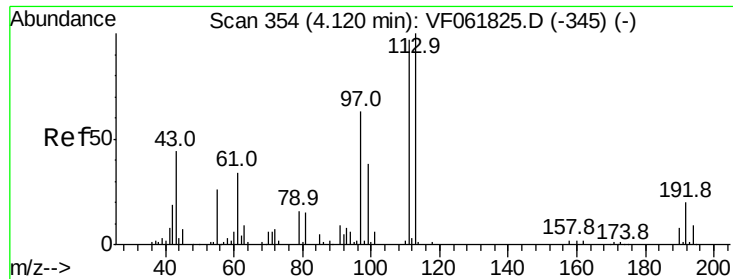
Tot Ion:113 Resp: 161929  
 Ion Ratio Lower Upper  
 113 100  
 111 99.1 77.6 116.4  
 192 18.0 15.9 23.9



#36  
 1,1-Dichloropropene  
 Concen: 22.039 ug/l  
 RT: 4.28 min Scan# 370  
 Delta R.T. -0.01 min  
 Lab File: VF061940.D  
 Acq: 14 Mar 2019 15:57

Tgt Ion: 75 Resp: 92064  
 Ion Ratio Lower Upper  
 75 100  
 110 34.4 18.6 55.6  
 77 32.2 24.2 36.2

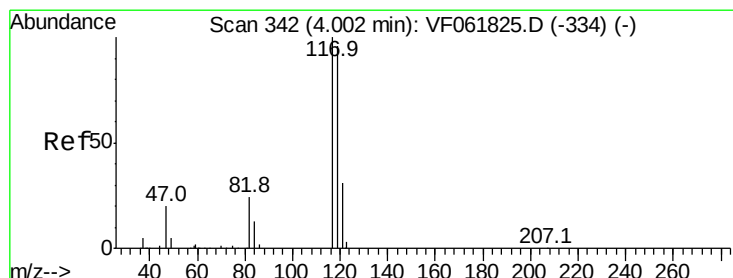
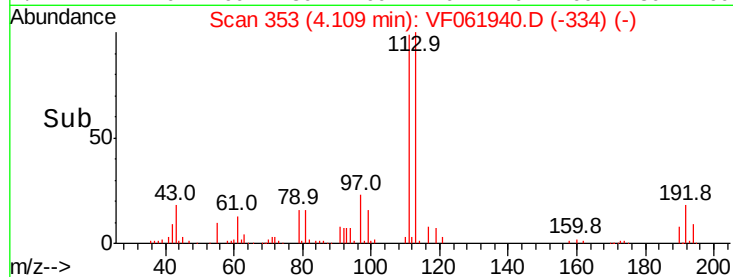
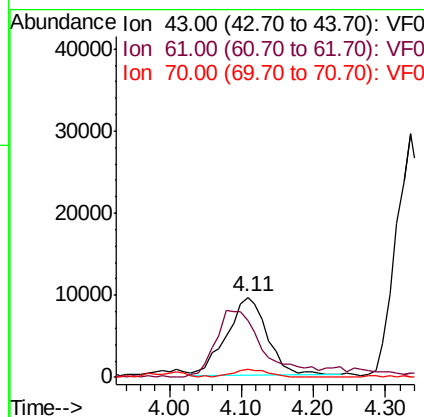
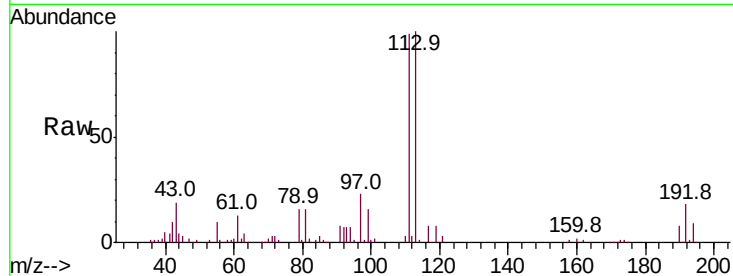




#37  
Ethyl Acetate  
Concen: 20.806 ug/l  
RT: 4.11 min Scan# 353  
Delta R.T. -0.01 min  
Lab File: VF061940.D  
Acq: 14 Mar 2019 15:57

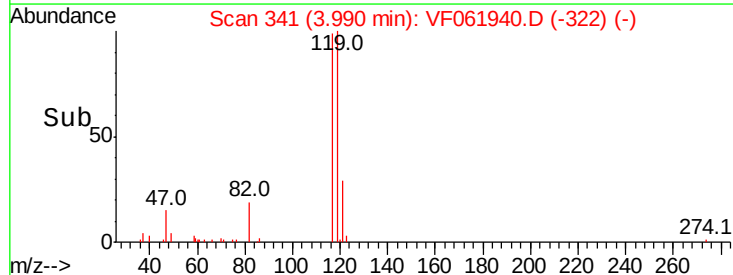
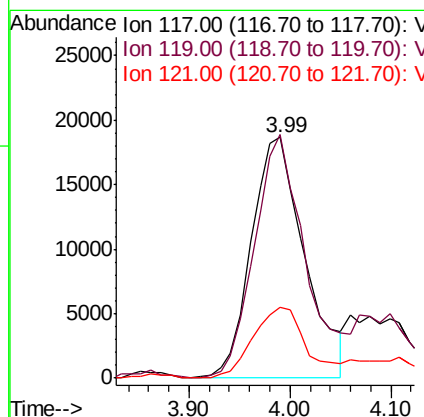
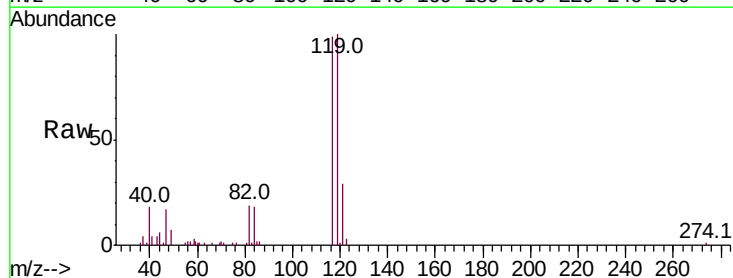
Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0314SBS01

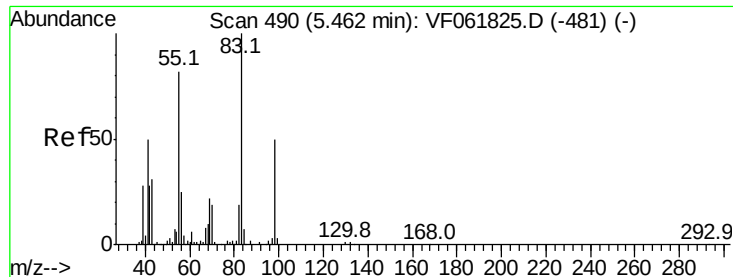
Tot Ion: 43 Resp: 36480  
Ion Ratio Lower Upper  
43 100  
61 71.3 60.7 91.1  
70 9.7 10.6 15.8#



#38  
Carbon Tetrachloride  
Concen: 23.170 ug/l  
RT: 3.99 min Scan# 341  
Delta R.T. -0.01 min  
Lab File: VF061940.D  
Acq: 14 Mar 2019 15:57

Tgt Ion: 117 Resp: 68516  
Ion Ratio Lower Upper  
117 100  
119 101.1 76.6 114.8  
121 29.5 24.4 36.6

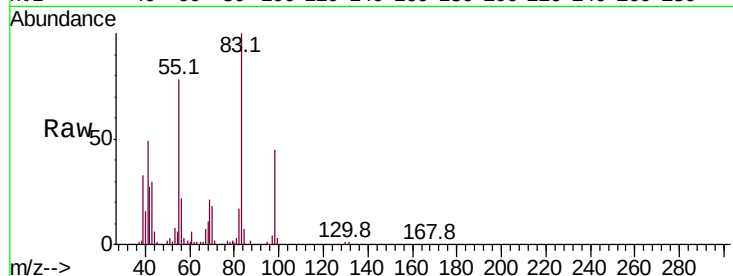




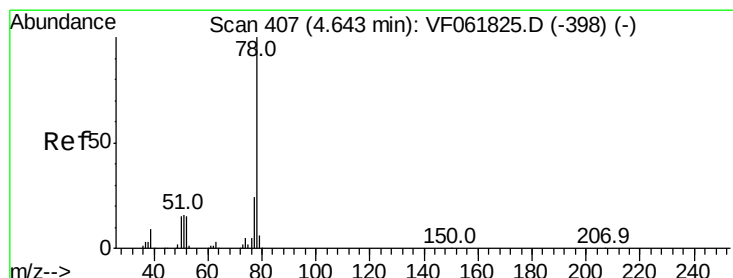
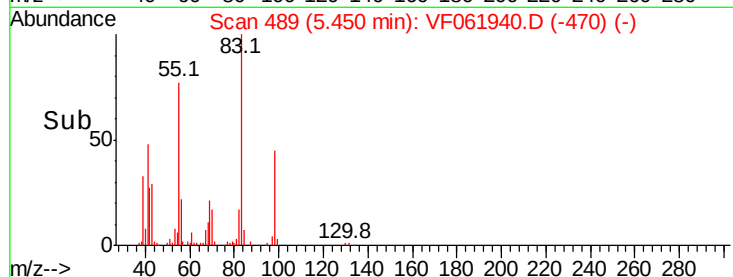
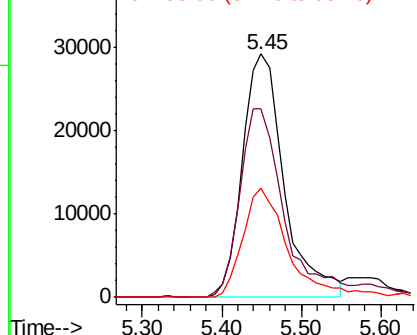
#39  
Methylvlcyclohexane  
Concen: 21.539 ug/l  
RT: 5.45 min Scan# 489  
Delta R.T. -0.01 min  
Lab File: VF061940.D  
Acq: 14 Mar 2019 15:57

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0314SBS01

Tot Ion: 83 Resp: 106275  
Ion Ratio Lower Upper  
83 100  
55 77.7 66.0 99.0  
98 45.1 39.8 59.6

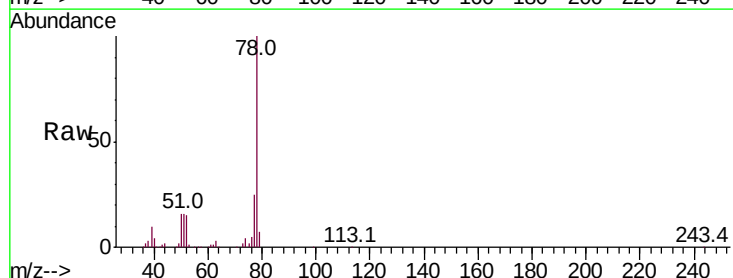


Abundance Ion 83.00 (82.70 to 83.70): VF0  
Ion 55.00 (54.70 to 55.70): VF0  
Ion 98.00 (97.70 to 98.70): VF0

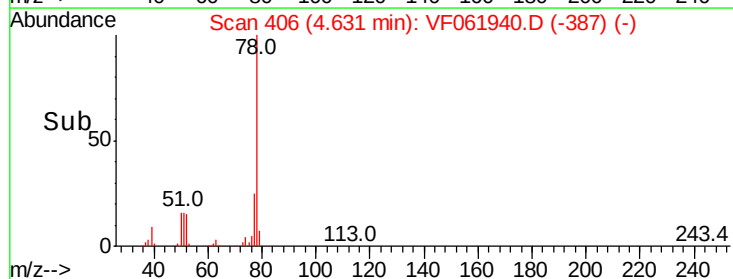
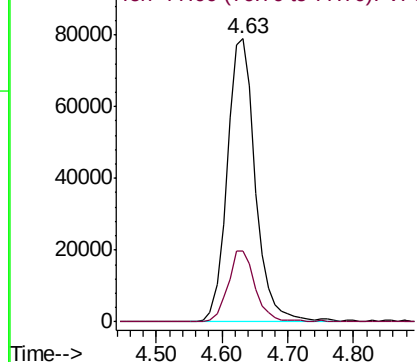


#40  
Benzene  
Concen: 21.662 ug/l  
RT: 4.63 min Scan# 406  
Delta R.T. -0.01 min  
Lab File: VF061940.D  
Acq: 14 Mar 2019 15:57

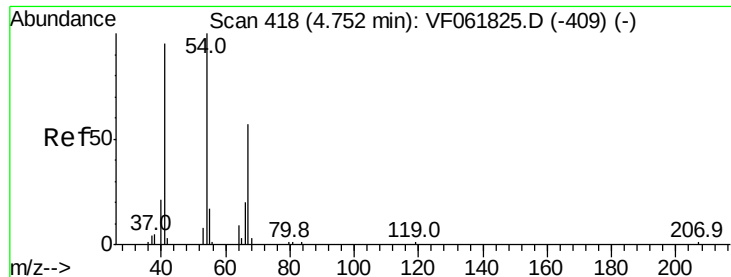
Tgt Ion: 78 Resp: 236523  
Ion Ratio Lower Upper  
78 100  
77 25.0 19.5 29.3



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



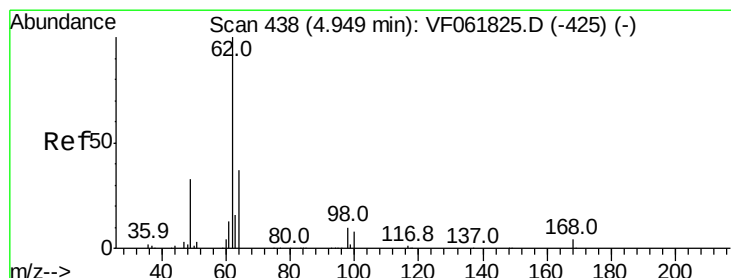
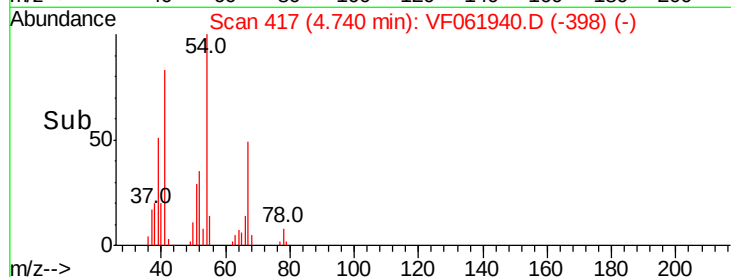
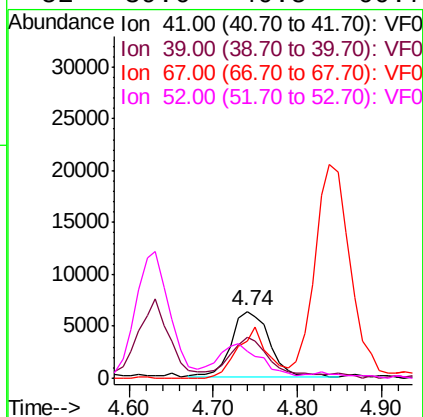
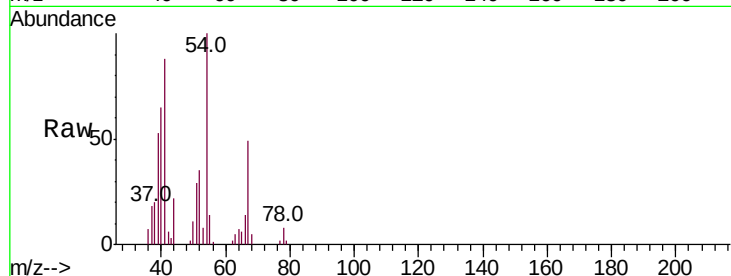




#41  
Methacrylonitrile  
Concen: 20.808 ug/l  
RT: 4.74 min Scan# 417  
Delta R.T. -0.01 min  
Lab File: VF061940.D  
Acq: 14 Mar 2019 15:57

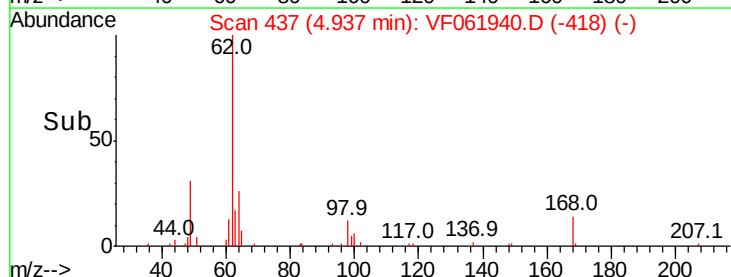
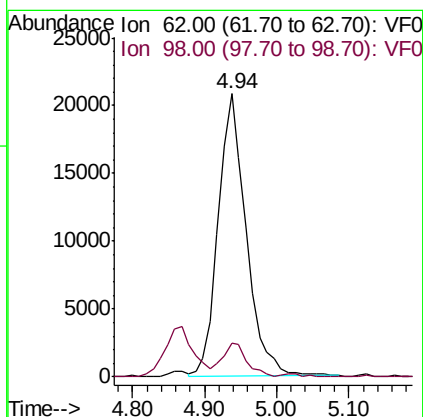
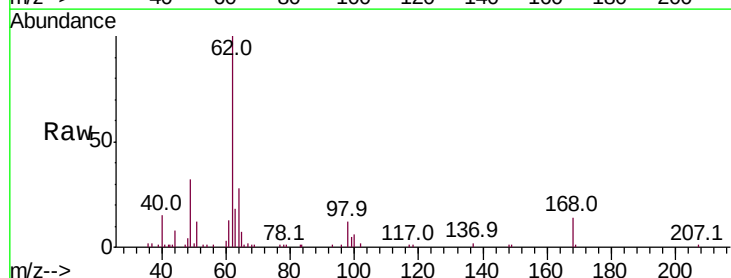
Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0314SBSD01

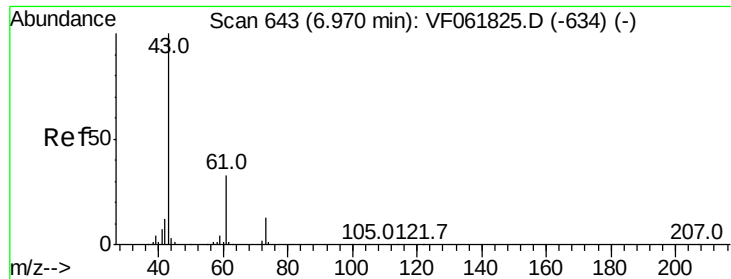
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 19989 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 60.8  | 43.0  | 64.6  |
| 67       | 55.5  | 47.8  | 71.8  |
| 52       | 39.6  | 40.5  | 60.7# |



#42  
1,2-Dichloroethane  
Concen: 20.488 ug/l  
RT: 4.94 min Scan# 437  
Delta R.T. -0.01 min  
Lab File: VF061940.D  
Acq: 14 Mar 2019 15:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 55749 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 11.8  | 0.0   | 21.0  |



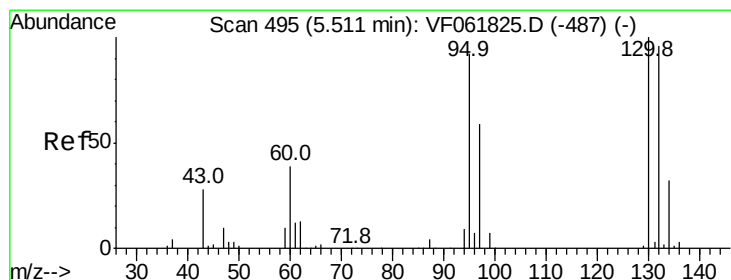
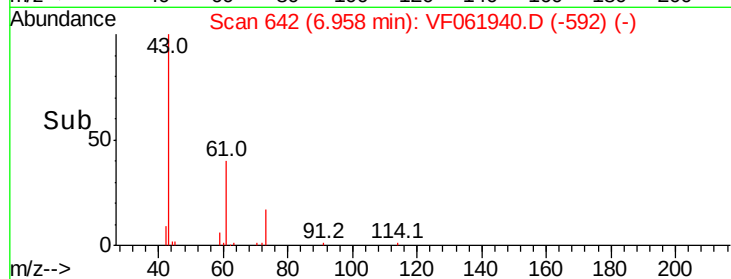
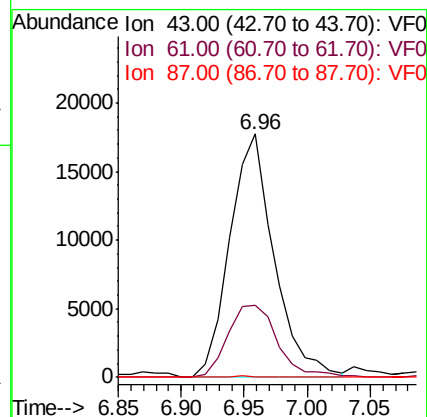
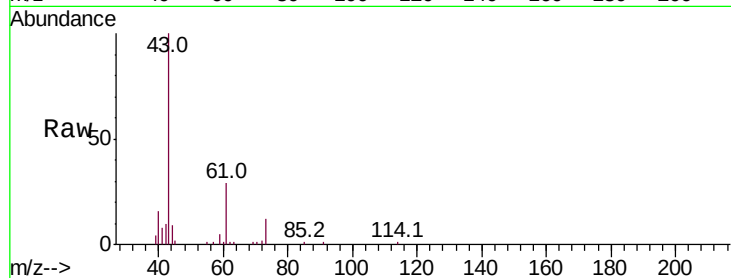


#43

Isopropyl Acetate  
 Concen: 19.985 ug/l  
 RT: 6.96 min Scan# 642  
 Delta R.T. -0.01 min  
 Lab File: VF061940.D  
 Acq: 14 Mar 2019 15:57

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0314SBS01

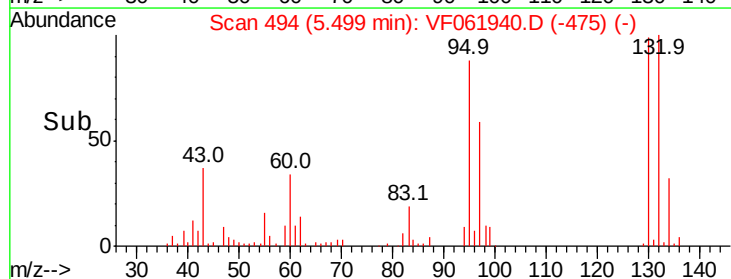
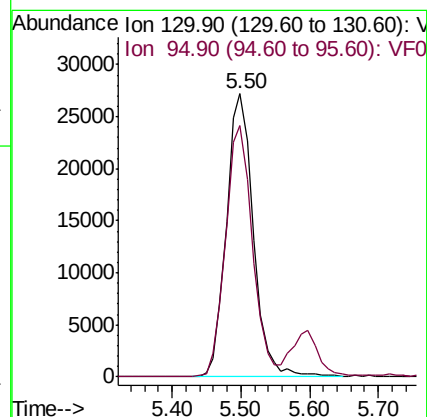
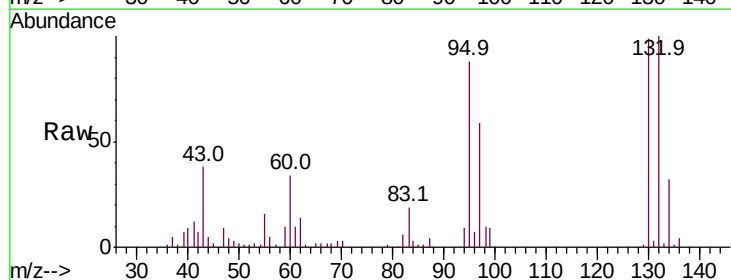
Tot Ion: 43 Resp: 43193  
 Ion Ratio Lower Upper  
 43 100  
 61 29.4 26.1 39.1  
 87 0.0 0.0 0.0

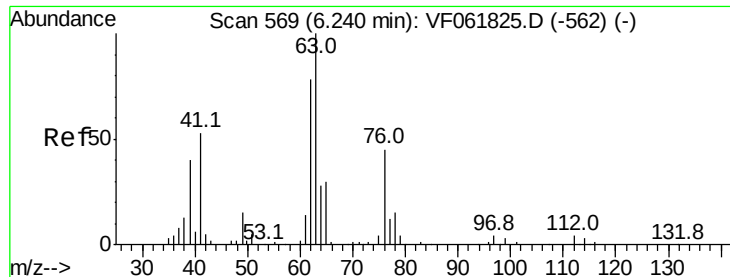


#44

Trichloroethene  
 Concen: 21.781 ug/l  
 RT: 5.50 min Scan# 494  
 Delta R.T. -0.01 min  
 Lab File: VF061940.D  
 Acq: 14 Mar 2019 15:57

Tgt Ion: 130 Resp: 73909  
 Ion Ratio Lower Upper  
 130 100  
 95 88.8 0.0 184.0





#45

1,2-Dichloropropane

Concen: 21.371 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA\_F

ClientSampleId :

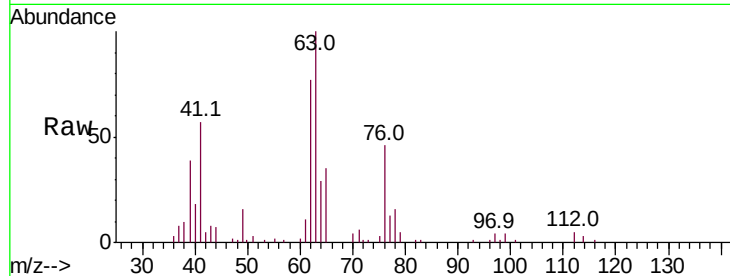
VF0314SBSD01

Tot Ion: 63 Resp: 55489

Ion Ratio Lower Upper

63 100

65 35.0 24.0 36.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

6.23

25000

20000

15000

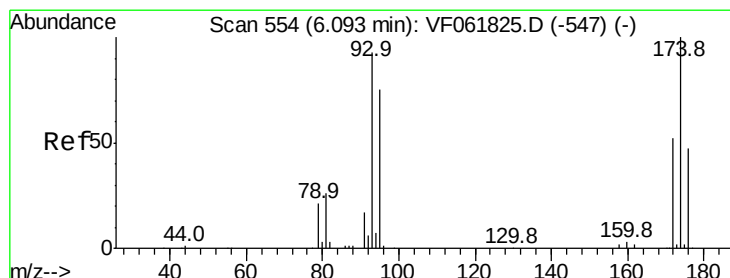
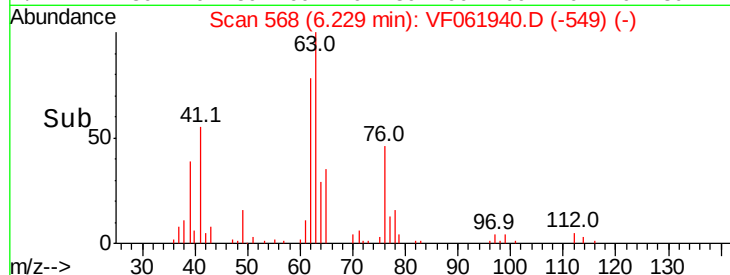
10000

5000

0

6.10 6.20 6.30 6.40

Time-->



#46

Dibromomethane

Concen: 20.674 ug/l

RT: 6.08 min Scan# 553

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

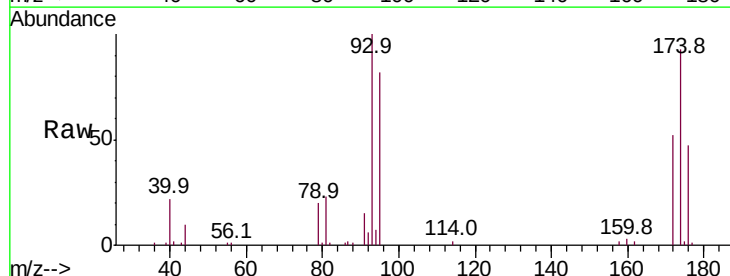
Tgt Ion: 93 Resp: 33784

Ion Ratio Lower Upper

93 100

95 82.0 64.4 96.6

174 92.5 85.8 128.6



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

15000

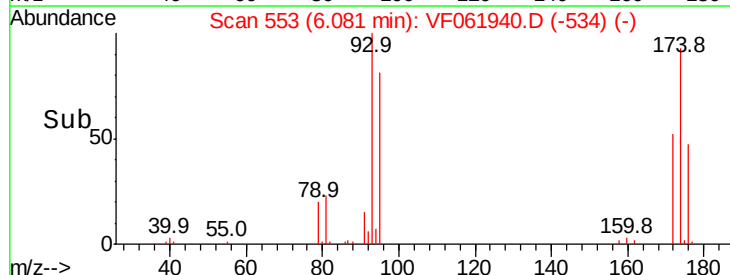
10000

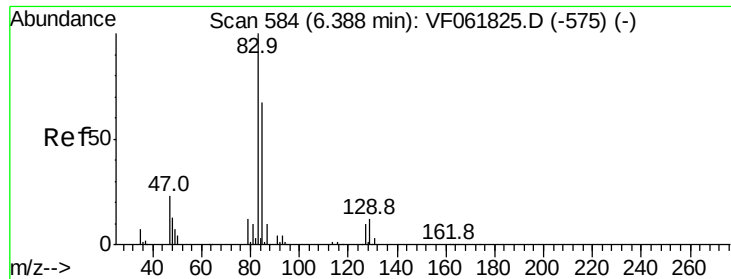
5000

0

6.00 6.10 6.20

Time-->





#47

Bromodichloromethane

Concen: 21.020 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA\_F

ClientSampleId :

VF0314SBS01

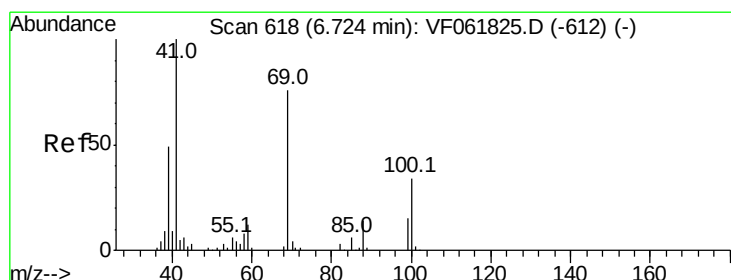
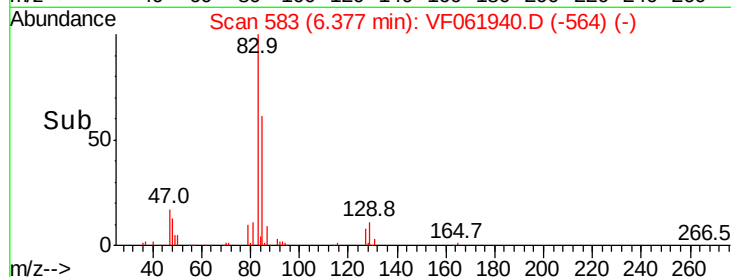
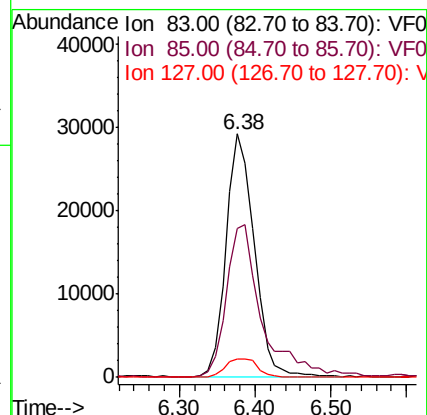
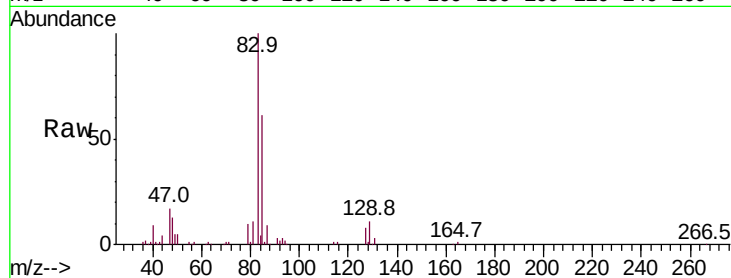
Tot Ion: 83 Resp: 75885

Ion Ratio Lower Upper

83 100

85 61.1 53.6 80.4

127 7.7 8.1 12.1#



#48

Methyl methacrylate

Concen: 20.390 ug/l

RT: 6.71 min Scan# 617

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

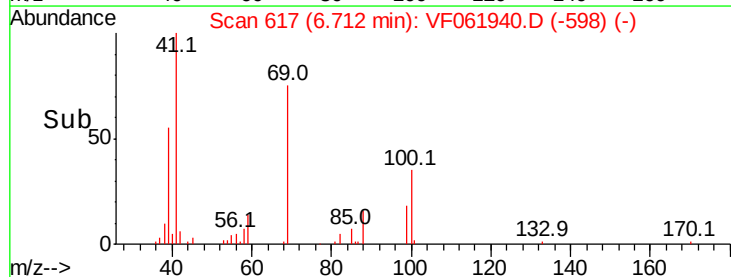
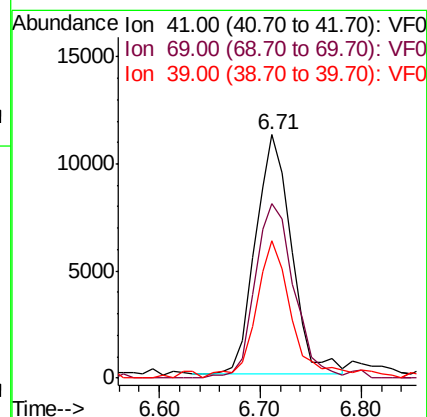
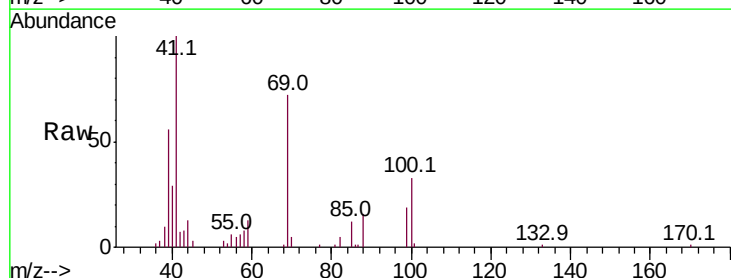
Tgt Ion: 41 Resp: 27890

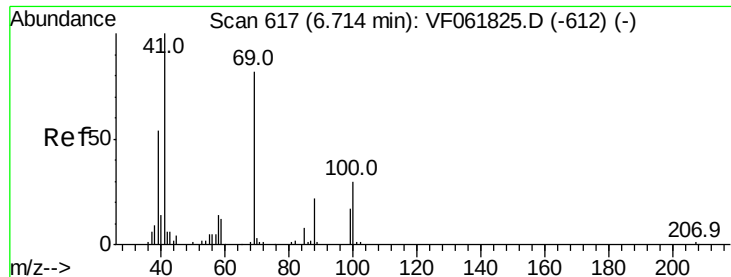
Ion Ratio Lower Upper

41 100

69 71.6 60.4 90.6

39 56.4 39.7 59.5





#49

1,4-Dioxane

Concen: 410.752 ug/l

RT: 6.70 min Scan# 616

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA\_F

ClientSampleId :

VF0314SBSD01

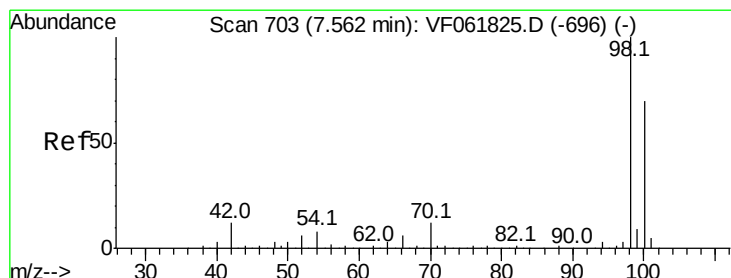
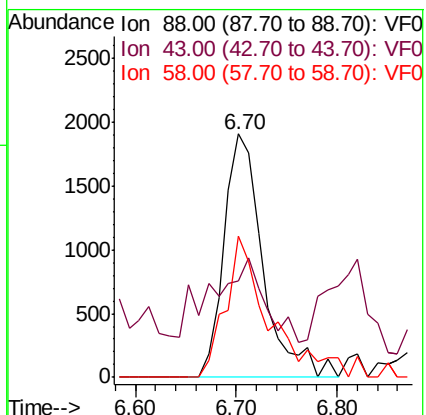
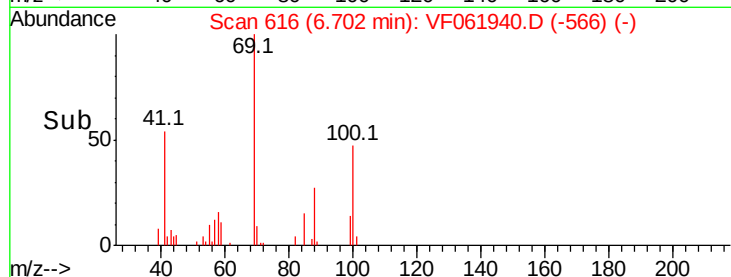
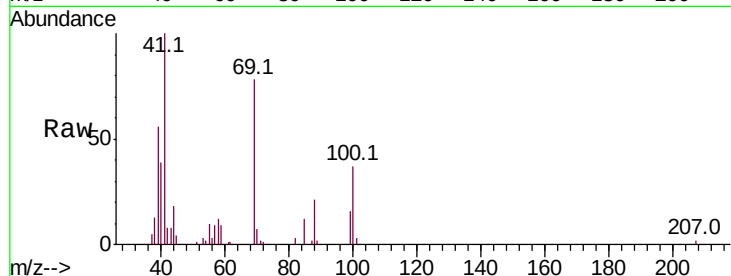
Tot Ion: 88 Resp: 5136

Ion Ratio Lower Upper

88 100

43 39.6 28.4 42.6

58 58.2 50.7 76.1



#50

Toluene-d8

Concen: 49.096 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF061940.D

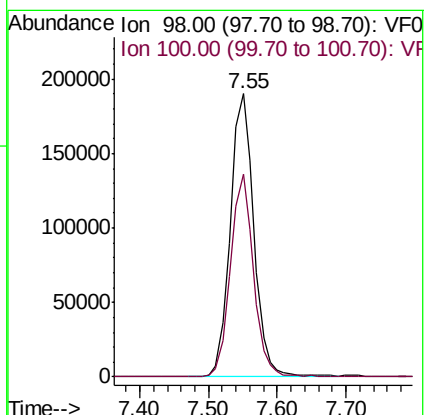
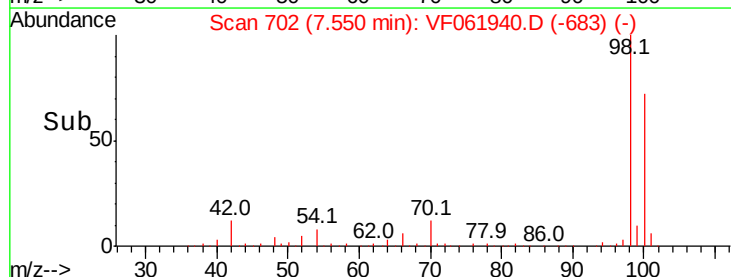
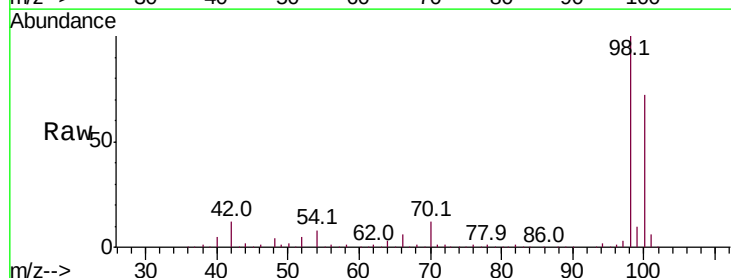
Acq: 14 Mar 2019 15:57

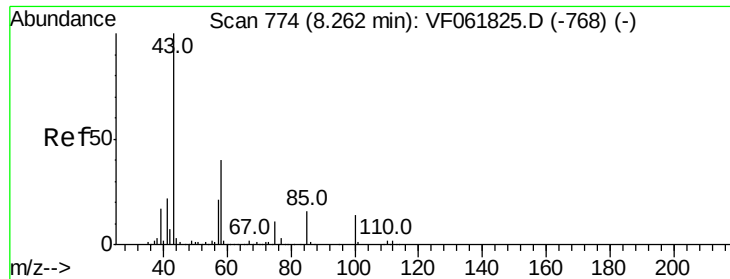
Tgt Ion: 98 Resp: 450347

Ion Ratio Lower Upper

98 100

100 71.8 56.0 84.0





#51

4-Methyl-2-Pentanone

Concen: 106.779 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA\_F

ClientSampleId :

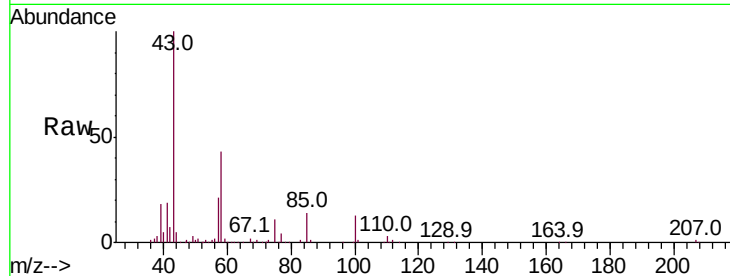
VF0314SBSD01

Tot Ion: 43 Resp: 159500

Ion Ratio Lower Upper

43 100

58 43.4 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.25

60000

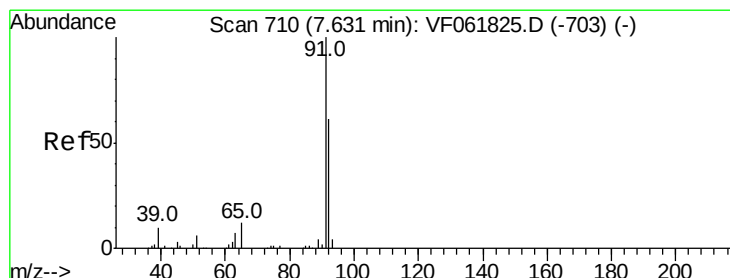
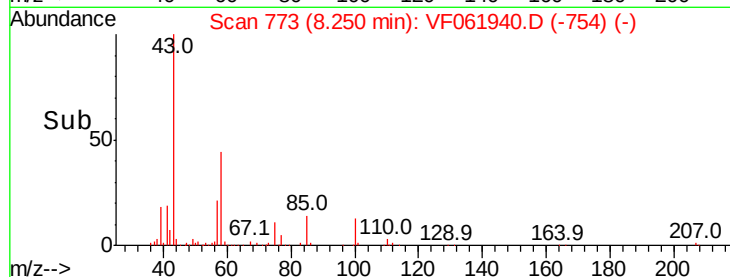
40000

20000

0

8.10 8.20 8.30 8.40

Time-->



#52

Toluene

Concen: 21.051 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.01 min

Lab File: VF061940.D

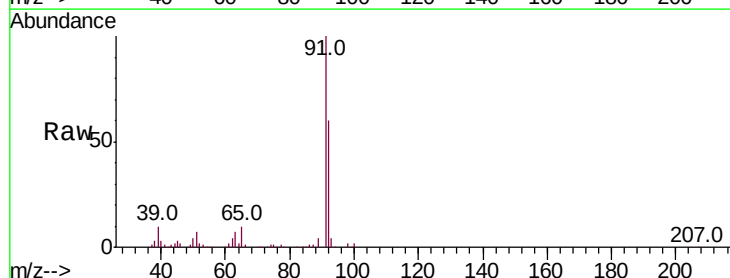
Acq: 14 Mar 2019 15:57

Tgt Ion: 92 Resp: 135976

Ion Ratio Lower Upper

92 100

91 166.0 132.0 198.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.62

100000

80000

60000

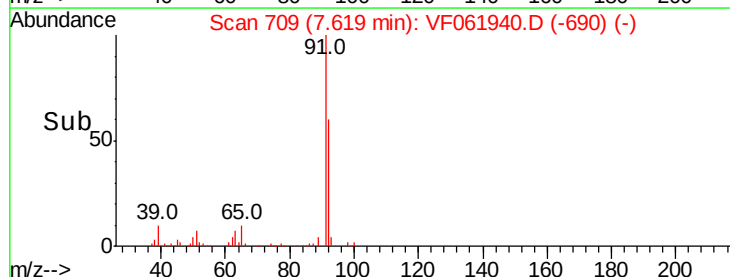
40000

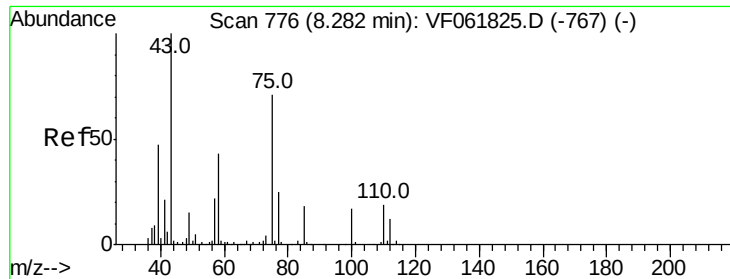
20000

0

7.50 7.60 7.70

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.774 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA\_F

ClientSampleId :

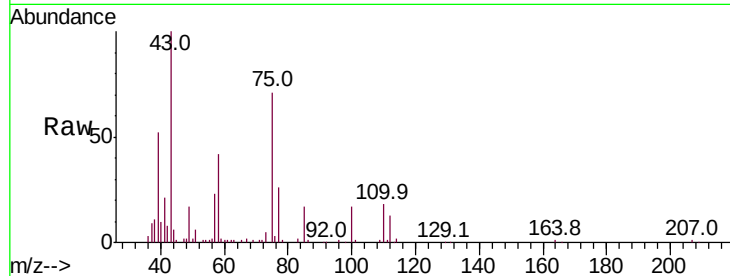
VF0314SBS01

Tot Ion: 75 Resp: 61907

Ion Ratio Lower Upper

75 100

77 36.9 28.0 42.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.27

25000

20000

15000

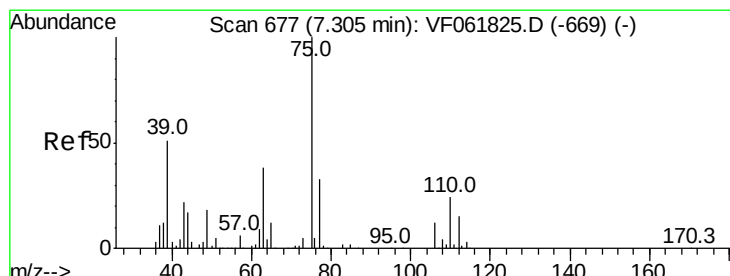
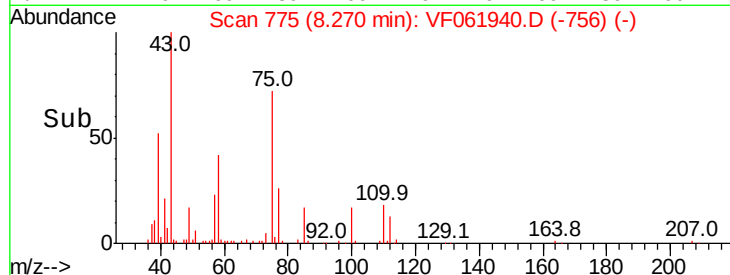
10000

5000

0

8.20 8.30 8.40

Time-->



#54

cis-1,3-Dichloropropene

Concen: 21.284 ug/l

RT: 7.29 min Scan# 676

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

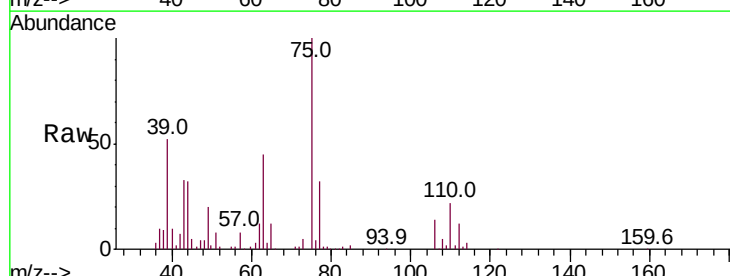
Tgt Ion: 75 Resp: 87483

Ion Ratio Lower Upper

75 100

77 32.3 26.3 39.5

39 52.3 40.8 61.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

7.29

50000

40000

30000

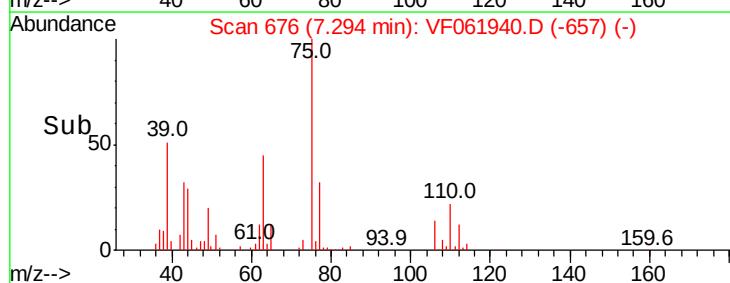
20000

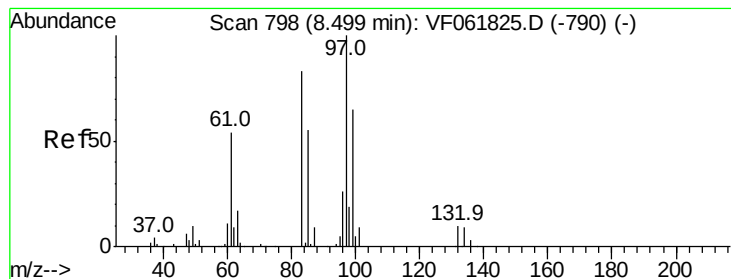
10000

0

7.20 7.30 7.40 7.50

Time-->





#55

1,1,2-Trichloroethane

Concen: 21.317 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA\_F

ClientSampleId :

VF0314SBS01

Tot Ion: 97 Resp: 39674

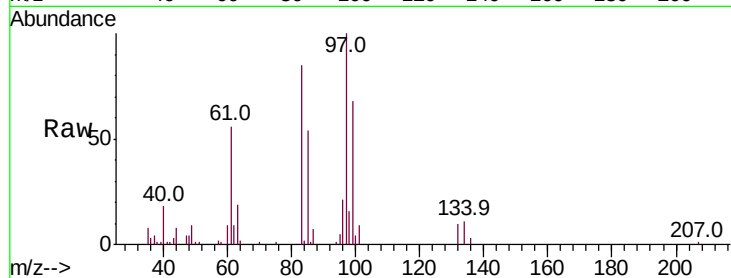
Ion Ratio Lower Upper

97 100

83 84.8 66.5 99.7

85 54.3 44.2 66.2

99 67.9 51.8 77.6

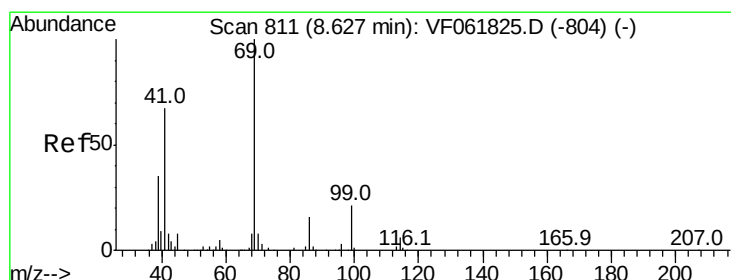
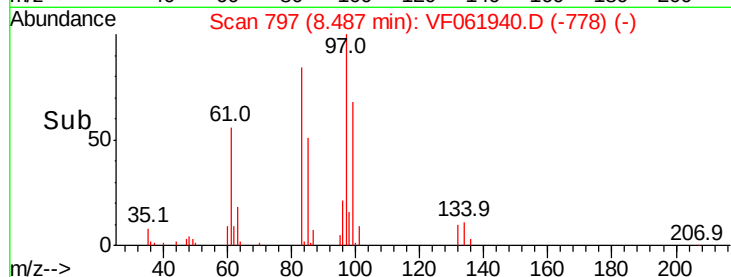
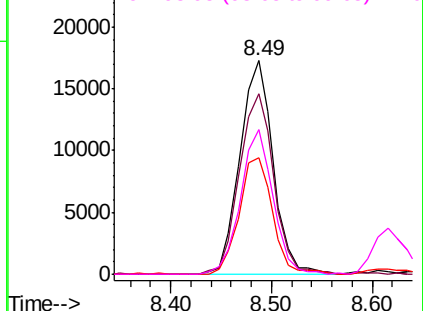


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 20.686 ug/l

RT: 8.62 min Scan# 810

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

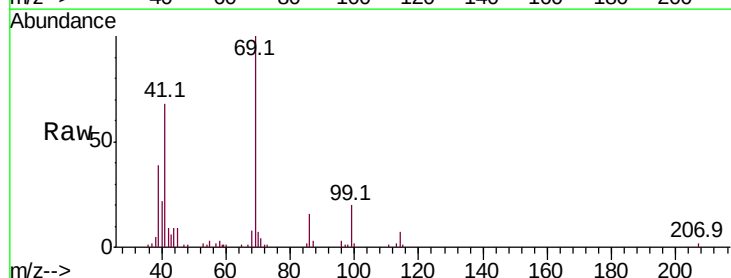
Tgt Ion: 69 Resp: 43387

Ion Ratio Lower Upper

69 100

41 68.2 53.9 80.9

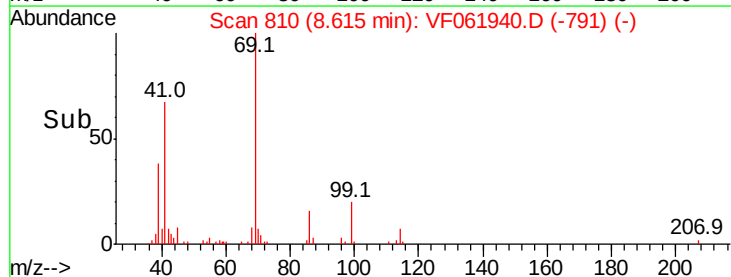
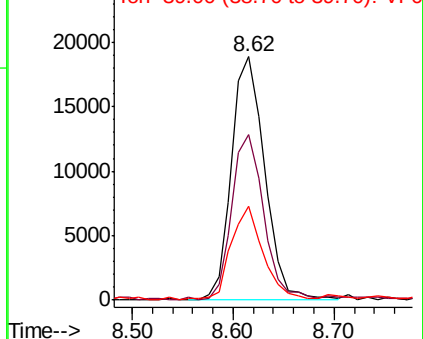
39 38.6 28.3 42.5



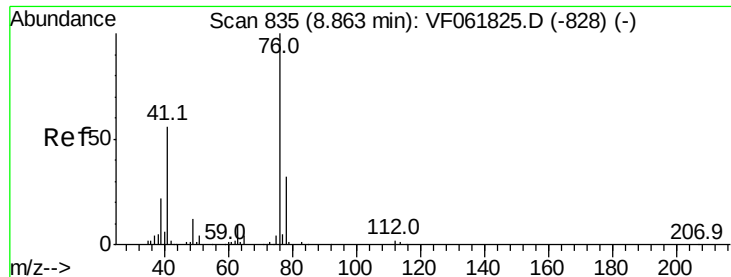
Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0







#57

1,3-Dichloropropane

Concen: 21.314 ug/l

RT: 8.85 min Scan# 834

Delta R.T. -0.01 min

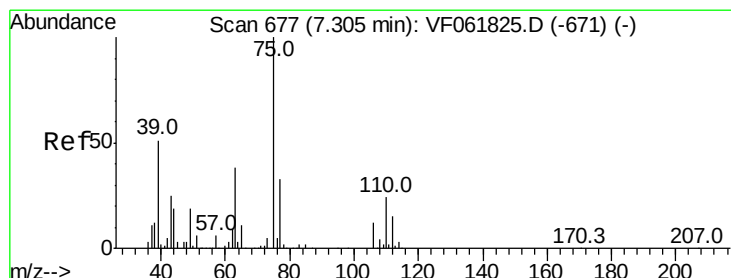
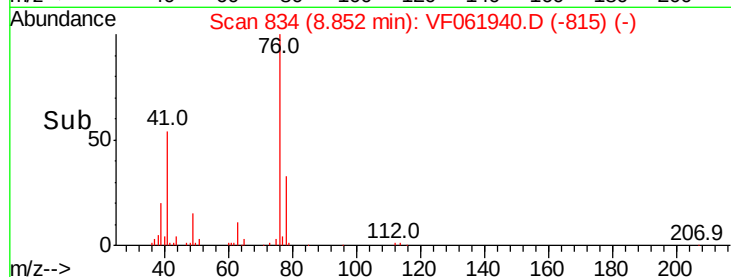
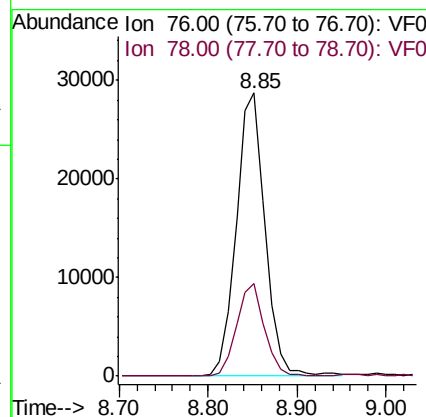
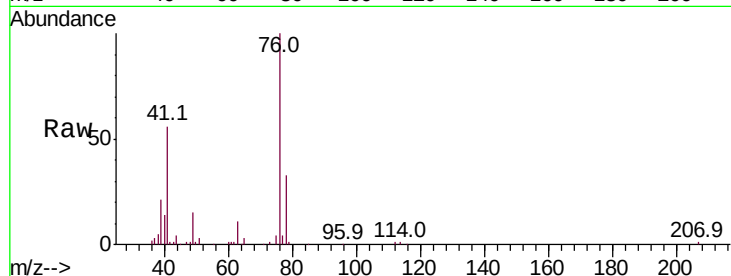
Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0314SBSD01

Tot Ion: 76 Resp: 64871

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 76  | 100   |       |       |
| 78  | 32.6  | 25.4  | 38.2  |



#58

2-Chloroethyl Vinyl ether

Concen: 122.912 ug/l

RT: 7.29 min Scan# 676

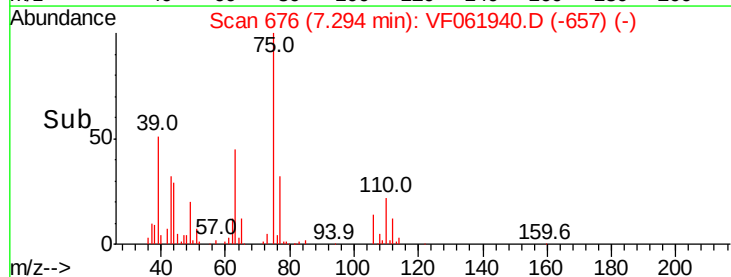
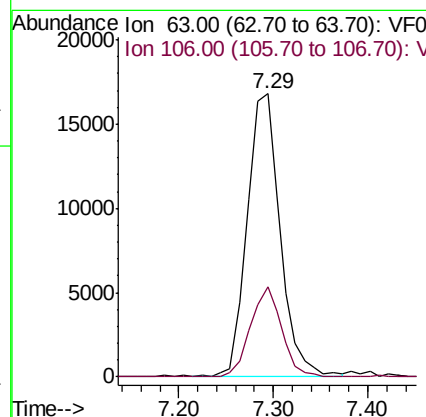
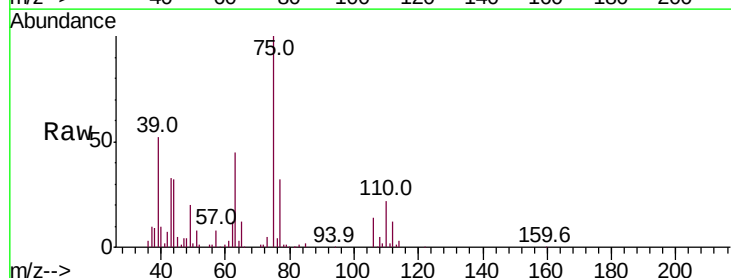
Delta R.T. -0.01 min

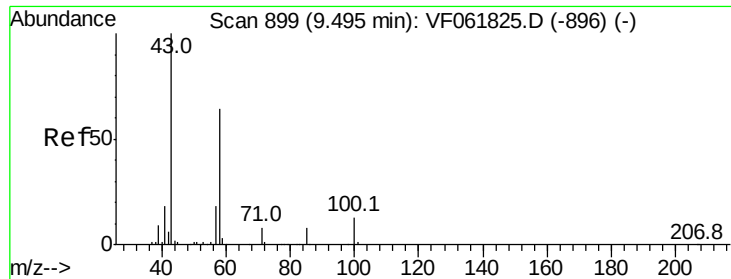
Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Tgt Ion: 63 Resp: 40782

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 106 | 31.9  | 24.3  | 36.5  |

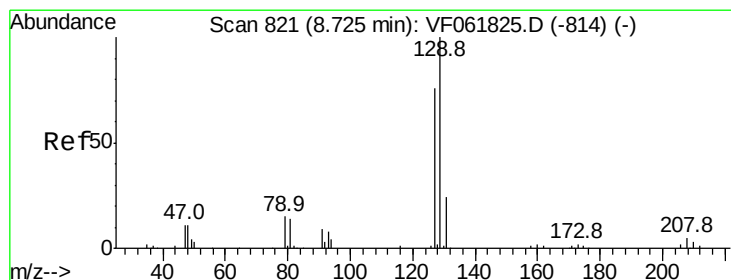
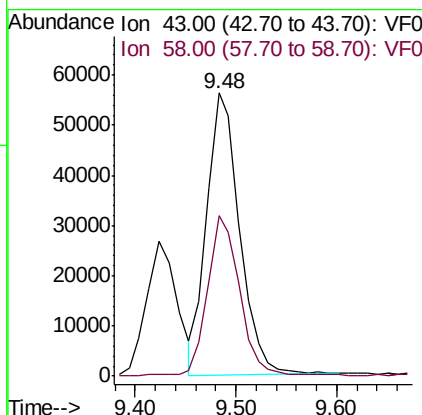
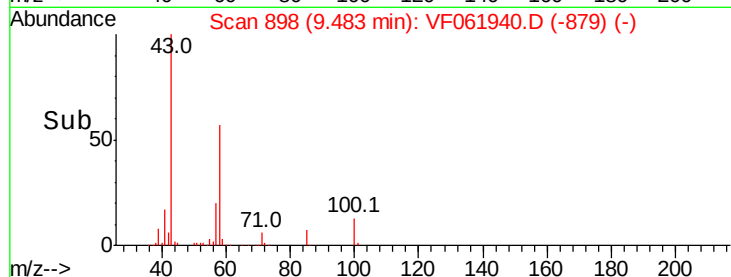
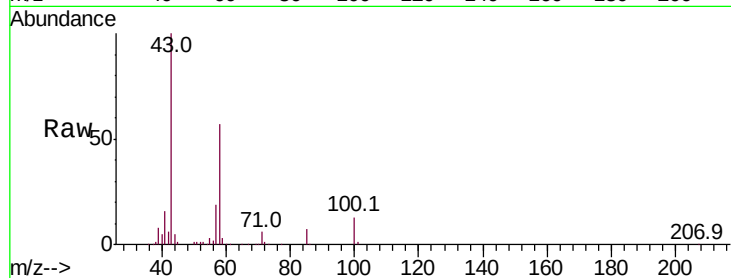




#59  
2-Hexanone  
Concen: 118.614 ug/l  
RT: 9.48 min Scan# 898  
Delta R.T. -0.01 min  
Lab File: VF061940.D  
Acq: 14 Mar 2019 15:57

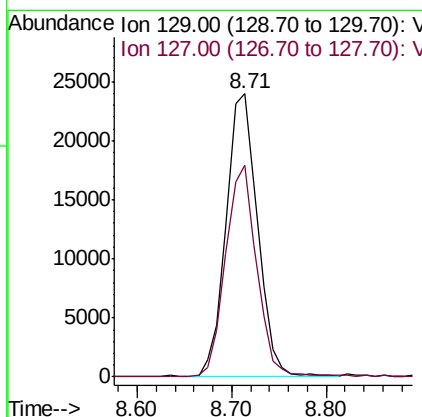
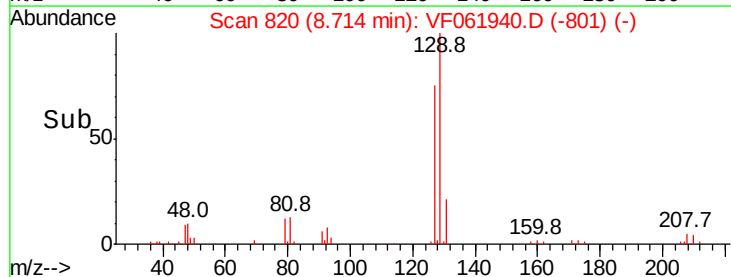
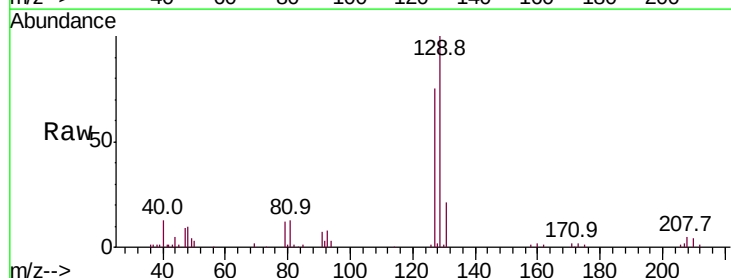
Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0314SBSD01

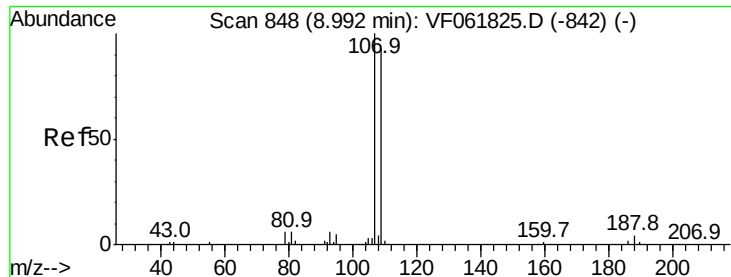
Tot Ion: 43 Resp: 127819  
Ion Ratio Lower Upper  
43 100  
58 56.9 28.8 86.4



#60  
Dibromochloromethane  
Concen: 20.918 ug/l  
RT: 8.71 min Scan# 820  
Delta R.T. -0.01 min  
Lab File: VF061940.D  
Acq: 14 Mar 2019 15:57

Tgt Ion: 129 Resp: 55486  
Ion Ratio Lower Upper  
129 100  
127 74.6 38.2 114.6





#61

1,2-Dibromoethane

Concen: 20.174 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA\_F

ClientSampleId :

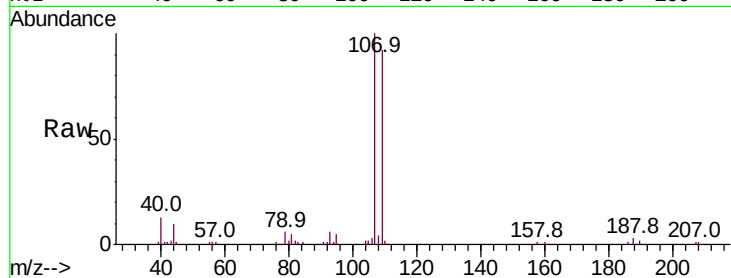
VF0314SBSD01

Tot Ion:107 Resp: 41288

Ion Ratio Lower Upper

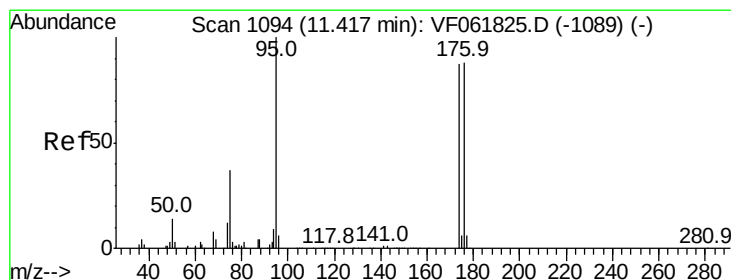
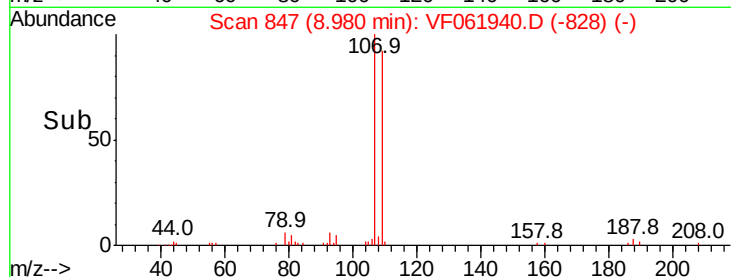
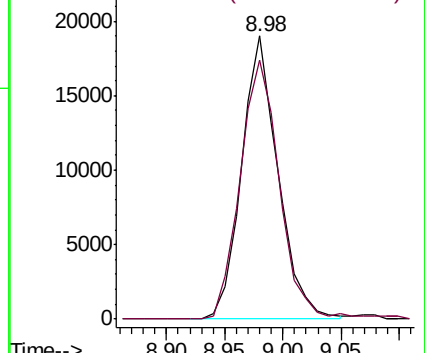
107 100

109 91.6 74.6 112.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 51.902 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

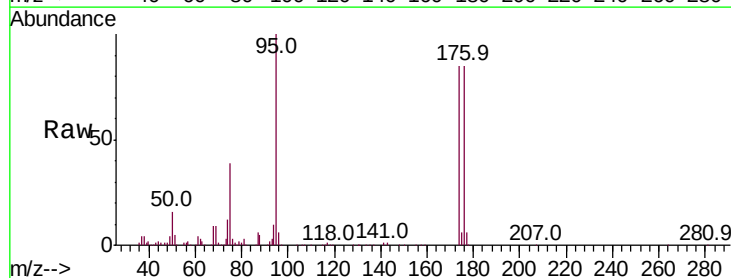
Tgt Ion: 95 Resp: 186498

Ion Ratio Lower Upper

95 100

174 85.1 0.0 174.0

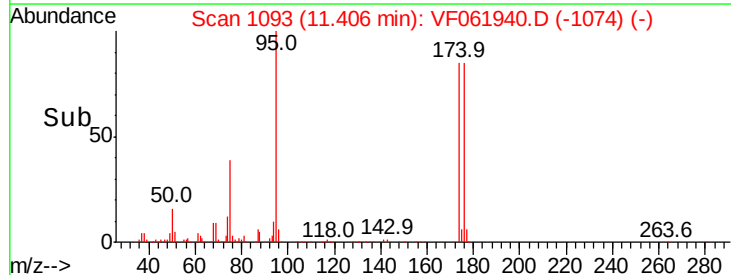
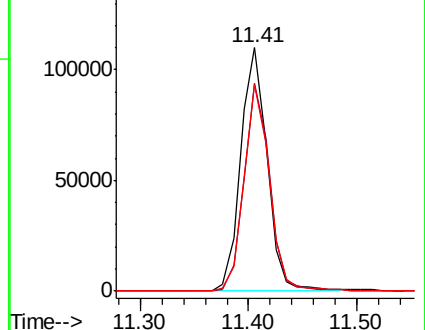
176 84.6 0.0 175.2

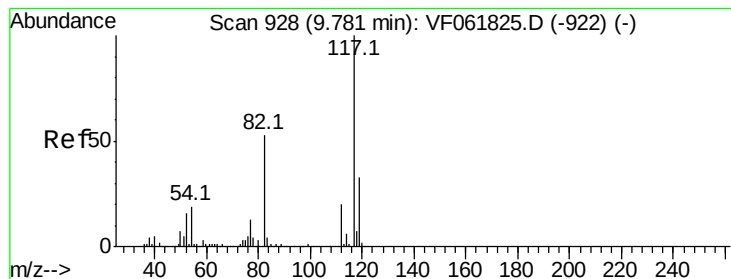


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 927

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA\_F

ClientSampleId :

VF0314SBS01

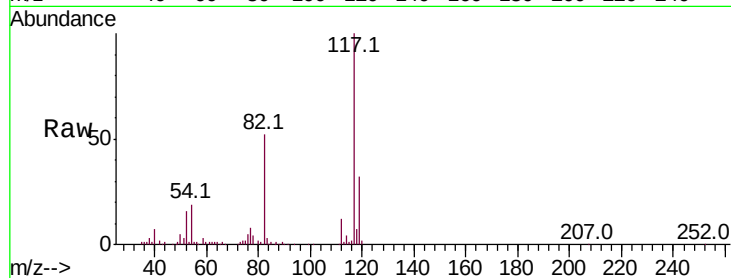
Tot Ion:117 Resp: 373978

Ion Ratio Lower Upper

117 100

82 51.6 42.6 63.8

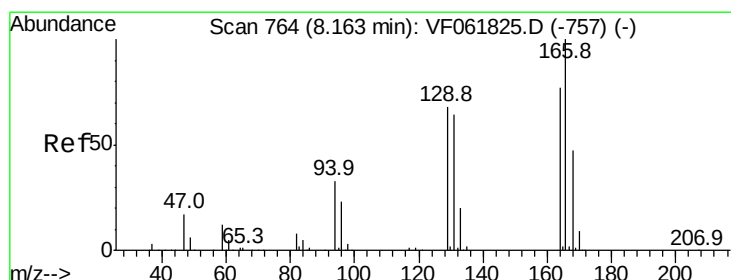
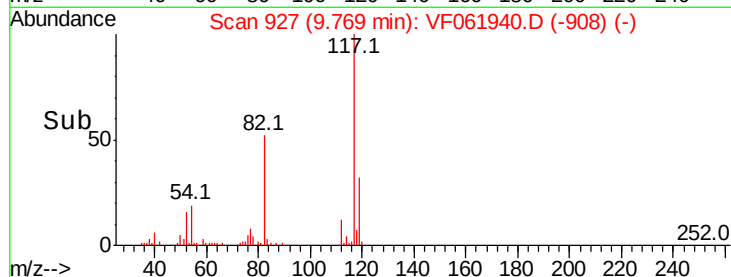
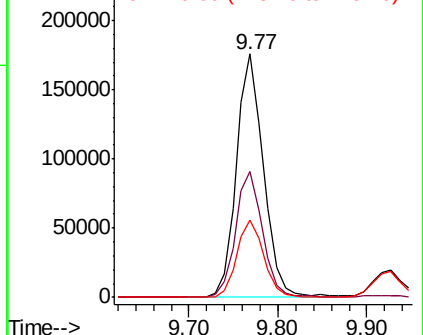
119 31.8 26.0 39.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 21.943 ug/l

RT: 8.15 min Scan# 763

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Tgt Ion:164 Resp: 63055

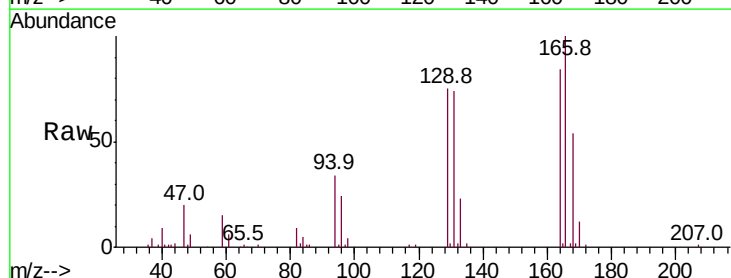
Ion Ratio Lower Upper

164 100

166 118.6 103.4 155.0

129 89.5 69.9 104.9

131 87.8 66.4 99.6

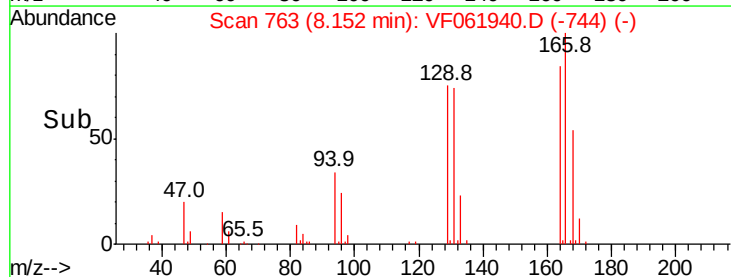
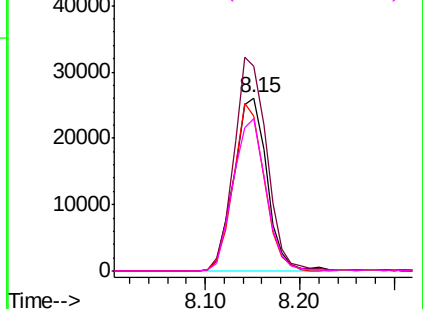


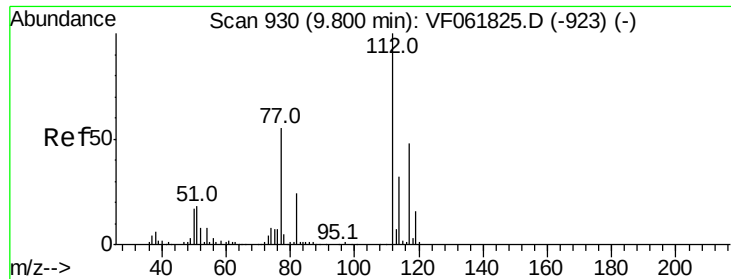
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 21.649 ug/l

RT: 9.79 min Scan# 929

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA\_F

ClientSampleId :

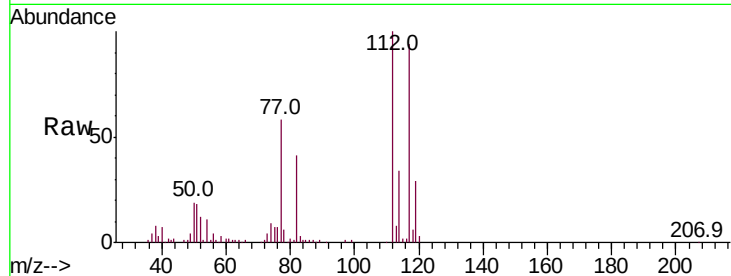
VF0314SBS01

Tot Ion:112 Resp: 155545

Ion Ratio Lower Upper

112 100

114 33.8 25.5 38.3



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

80000

60000

40000

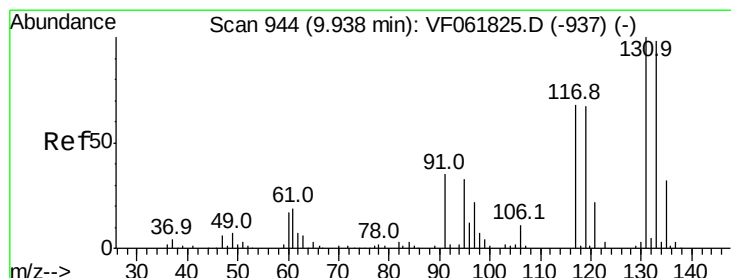
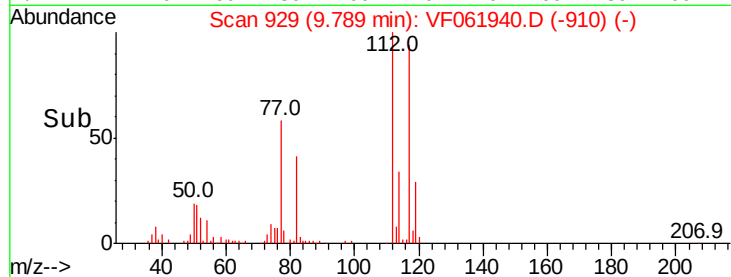
20000

0

9.79

9.70 9.80 9.90

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.798 ug/l

RT: 9.93 min Scan# 943

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

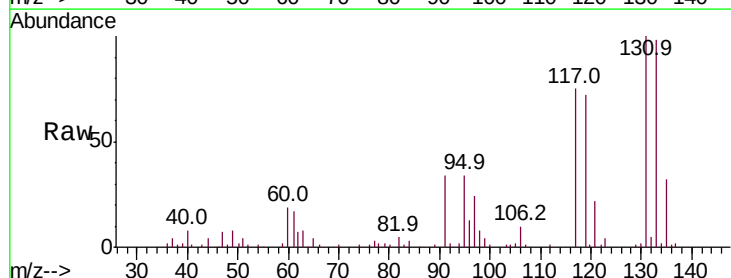
Tgt Ion:131 Resp: 57898

Ion Ratio Lower Upper

131 100

133 98.1 48.9 146.7

119 71.7 33.6 100.8



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

60000

40000

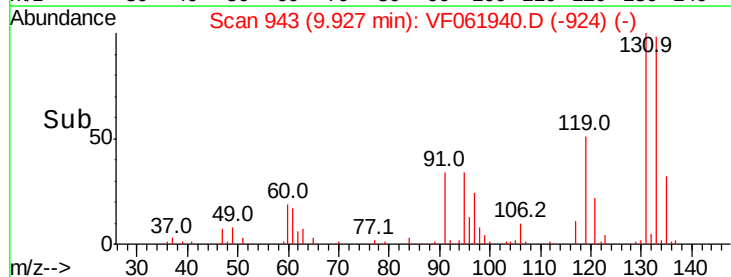
20000

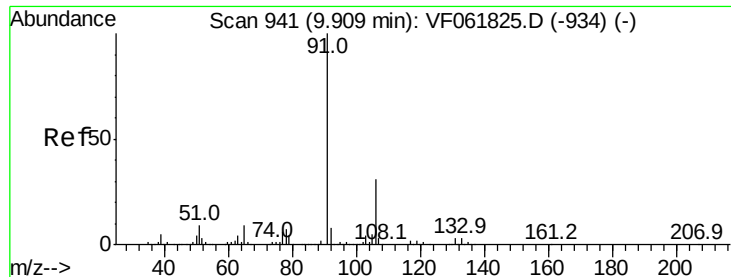
0

9.93

9.80 9.90 10.00 10.10

Time-->





#67

Ethyl Benzene

Concen: 22.089 ug/l

RT: 9.90 min Scan# 940

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA\_F

ClientSampleId :

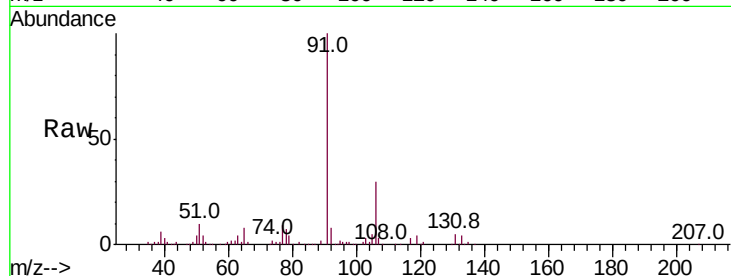
VF0314SBS01

Tot Ion: 91 Resp: 263049

Ion Ratio Lower Upper

91 100

106 30.1 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

200000

150000

100000

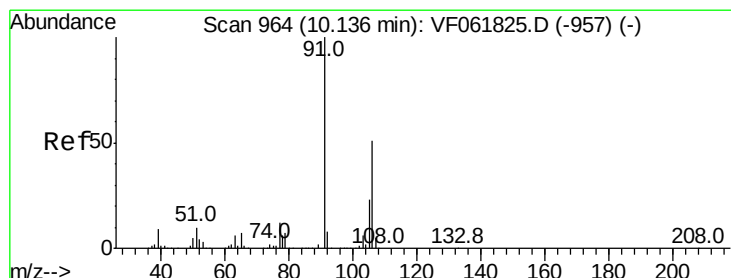
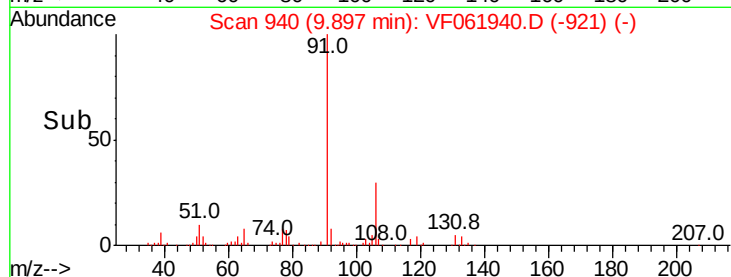
50000

0

9.80

10.00

Time-->



#68

m/p-Xylenes

Concen: 44.502 ug/l

RT: 10.12 min Scan# 963

Delta R.T. -0.01 min

Lab File: VF061940.D

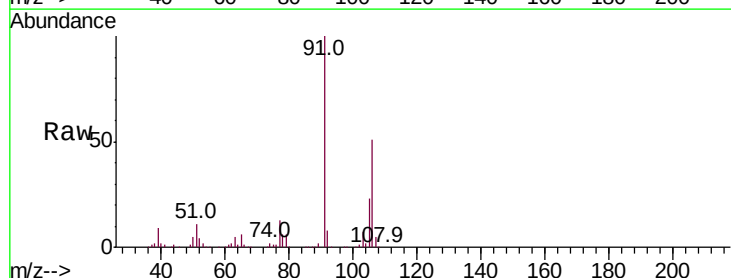
Acq: 14 Mar 2019 15:57

Tgt Ion:106 Resp: 203021

Ion Ratio Lower Upper

106 100

91 198.0 157.5 236.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

200000

150000

100000

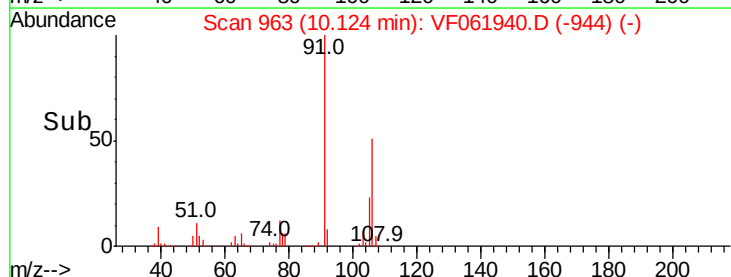
50000

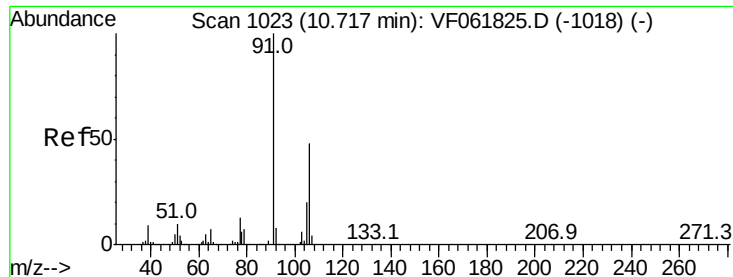
0

10.00

10.20

Time-->

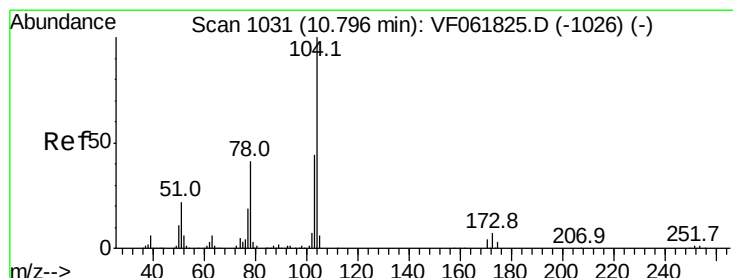
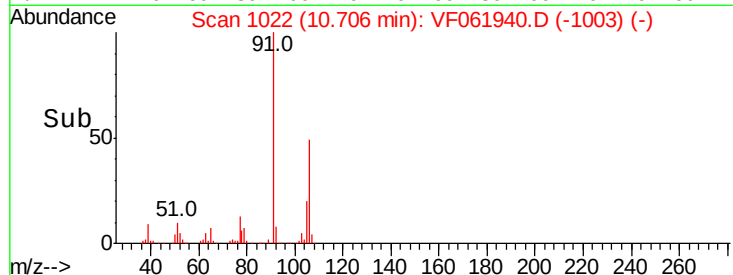
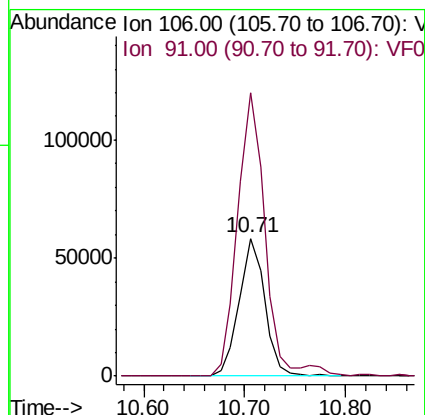
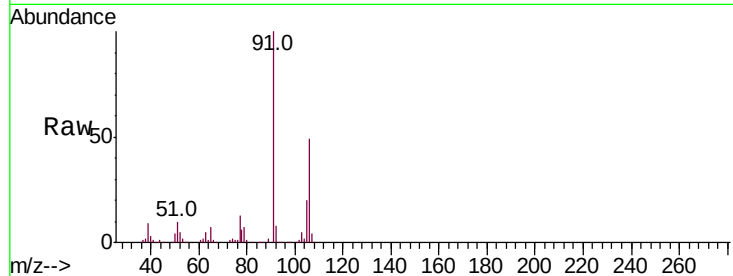




#69  
o-Xylene  
Concen: 21.300 ug/l  
RT: 10.71 min Scan# 1022  
Delta R.T. -0.01 min  
Lab File: VF061940.D  
Acq: 14 Mar 2019 15:57

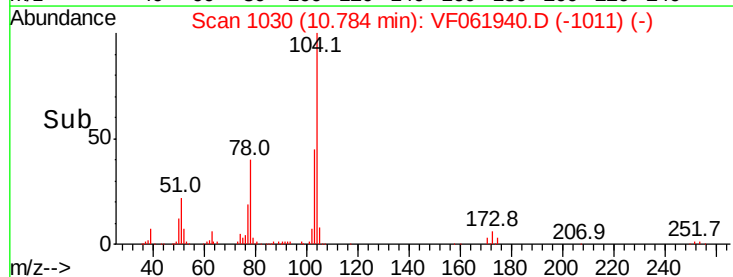
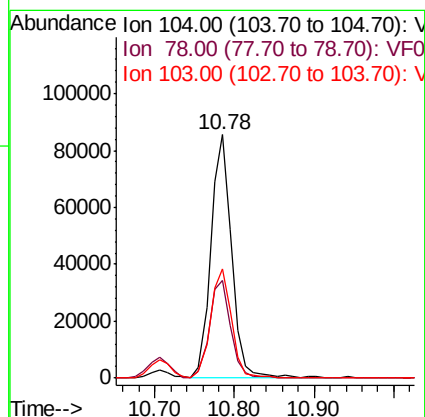
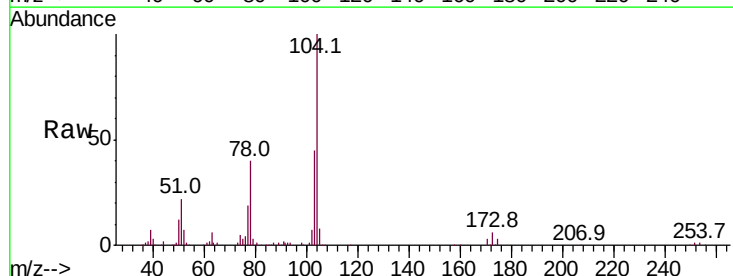
Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0314SBS01

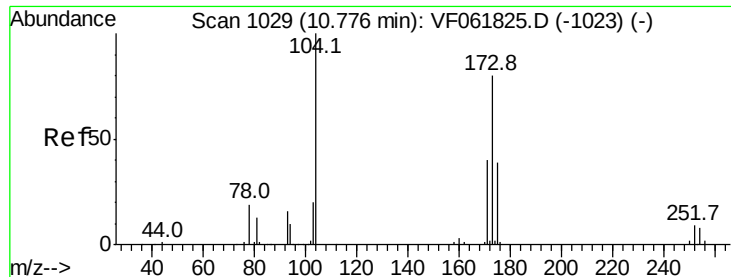
Tot Ion:106 Resp: 104636  
Ion Ratio Lower Upper  
106 100  
91 205.3 103.5 310.3



#70  
Styrene  
Concen: 22.451 ug/l  
RT: 10.78 min Scan# 1030  
Delta R.T. -0.01 min  
Lab File: VF061940.D  
Acq: 14 Mar 2019 15:57

Tgt Ion:104 Resp: 155214  
Ion Ratio Lower Upper  
104 100  
78 40.3 33.3 49.9  
103 45.0 35.4 53.0





#71

Bromoform

Concen: 20.762 ug/l

RT: 10.76 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA\_F

ClientSampleId :

VF0314SBS01

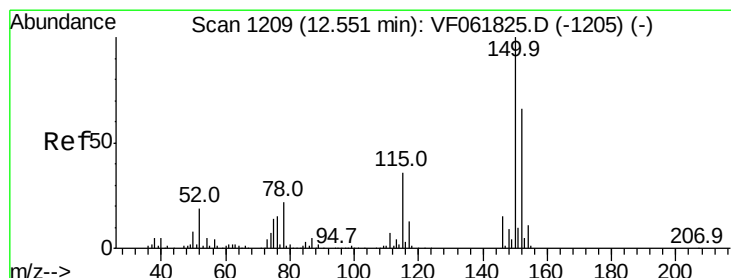
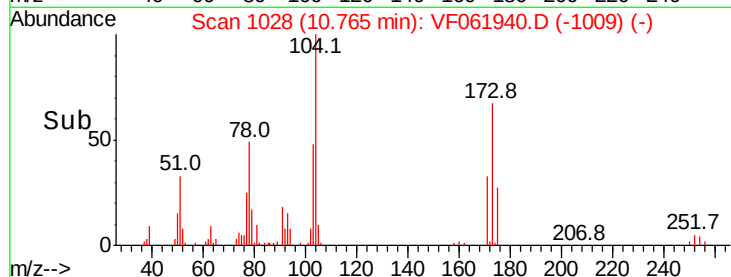
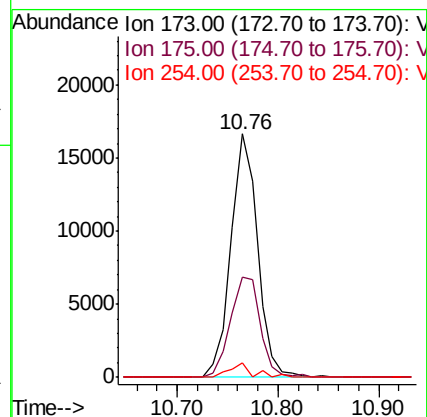
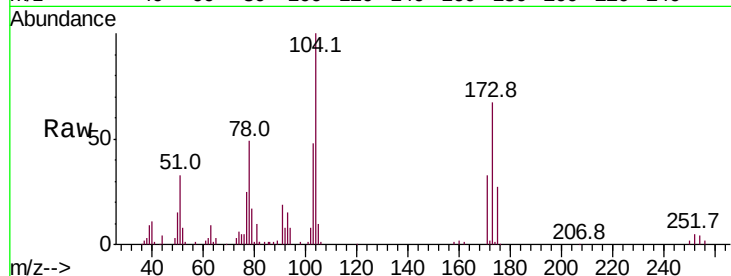
Tot Ion:173 Resp: 30547

Ion Ratio Lower Upper

173 100

175 41.3 24.5 73.5

254 6.1 8.0 12.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

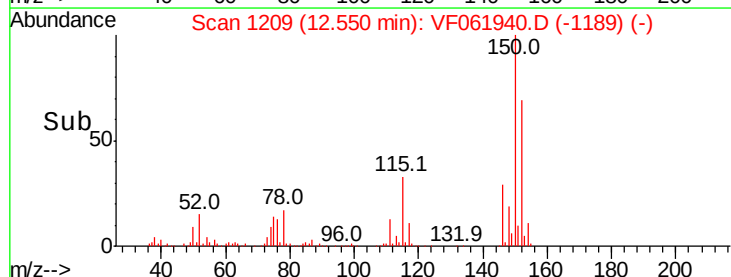
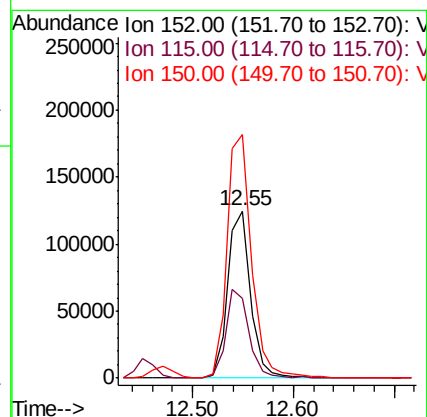
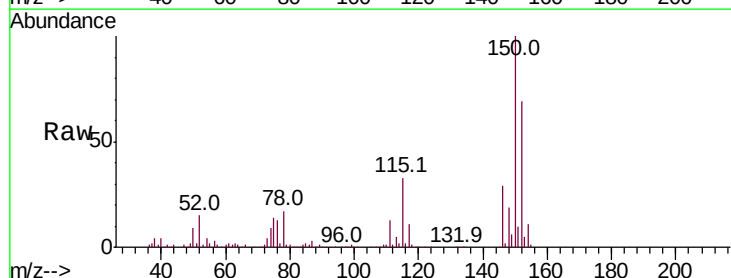
Tgt Ion:152 Resp: 198273

Ion Ratio Lower Upper

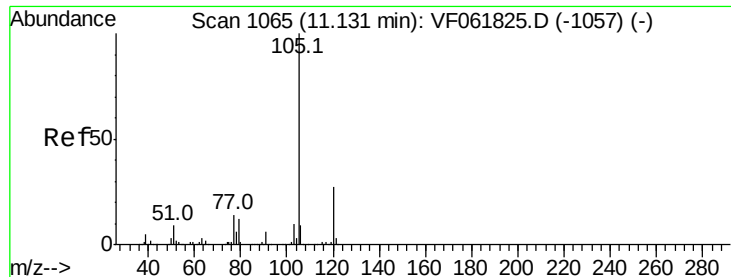
152 100

115 47.6 27.7 83.1

150 145.9 0.0 304.2







#73

Isopropylbenzene

Concen: 22.353 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA\_F

ClientSampleId :

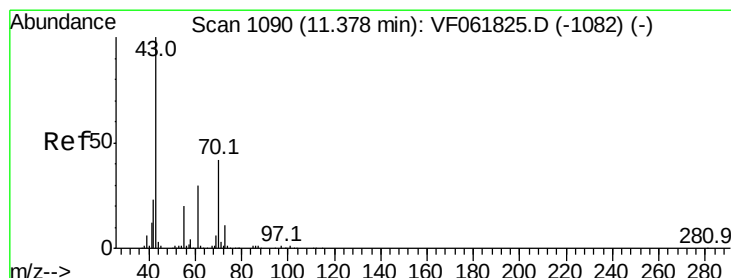
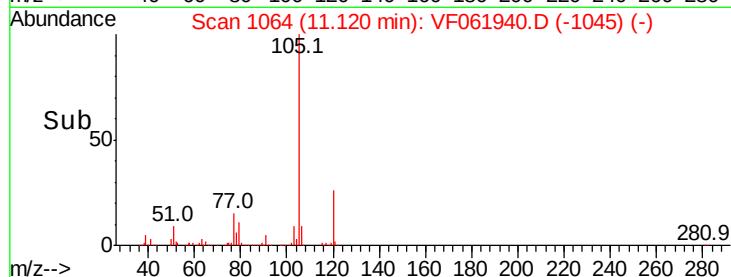
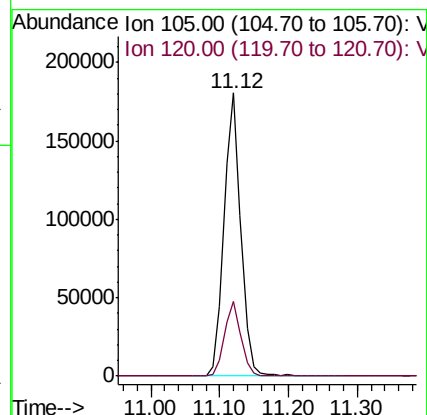
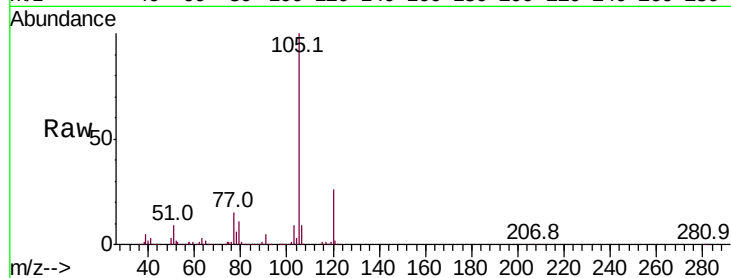
VF0314SBS01

Tot Ion:105 Resp: 305120

Ion Ratio Lower Upper

105 100

120 26.4 13.7 41.0



#74

N-ethyl acetate

Concen: 23.635 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Tgt Ion: 43 Resp: 74273

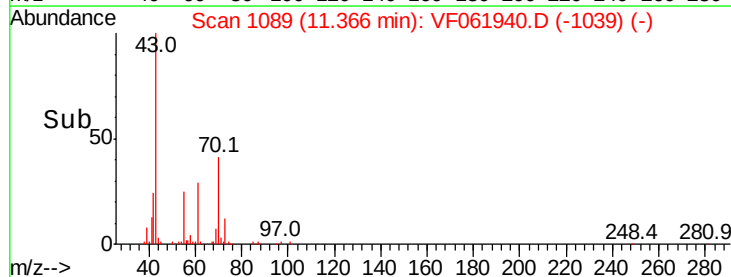
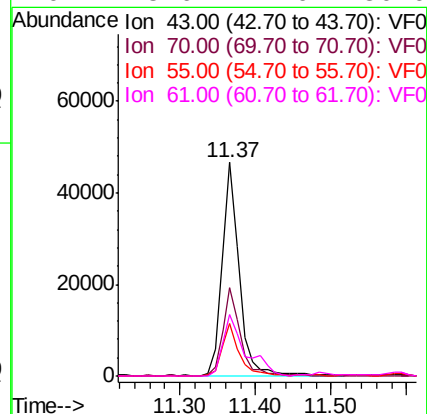
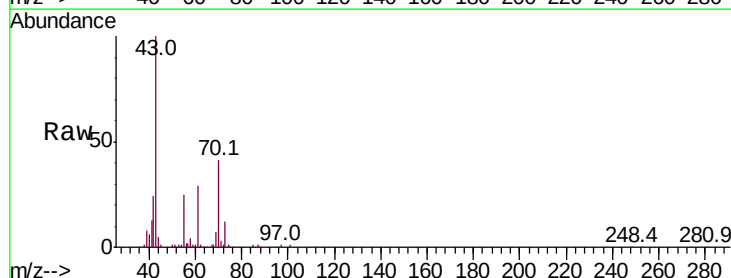
Ion Ratio Lower Upper

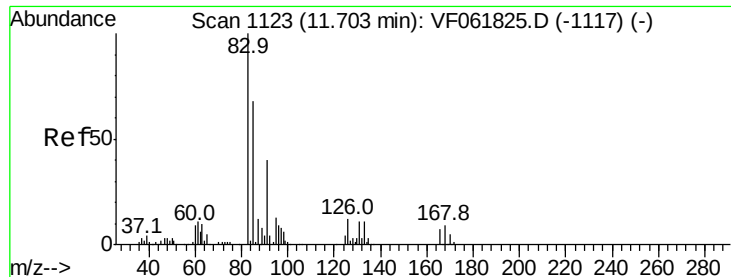
43 100

70 41.4 33.4 50.0

55 24.8 16.3 24.5#

61 28.6 24.0 36.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.884 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA\_F

ClientSampleId :

VF0314SBS01

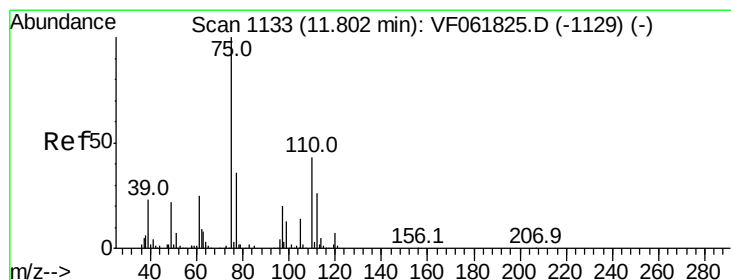
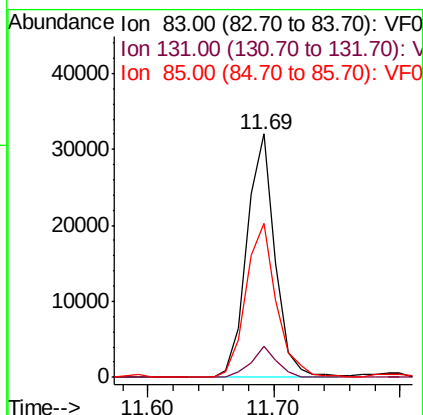
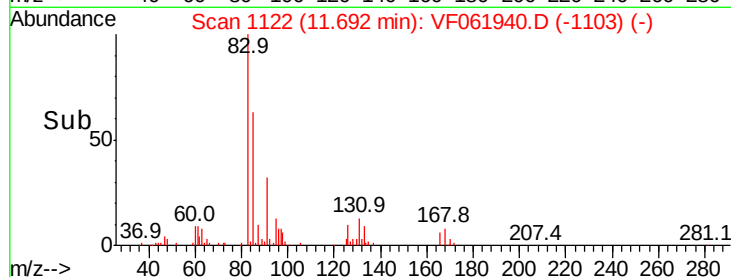
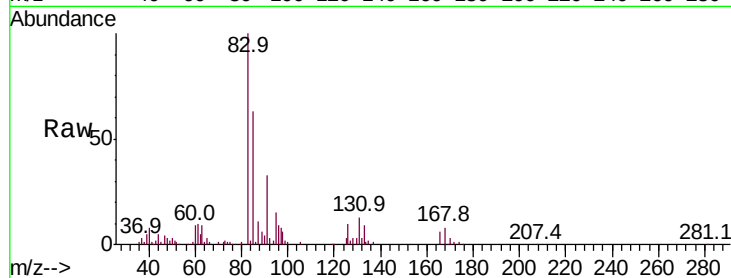
Tot Ion: 83 Resp: 49647

Ion Ratio Lower Upper

83 100

131 12.5 5.5 16.7

85 63.0 34.2 102.6



#76

1,2,3-Trichloropropane

Concen: 21.123 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.01 min

Lab File: VF061940.D

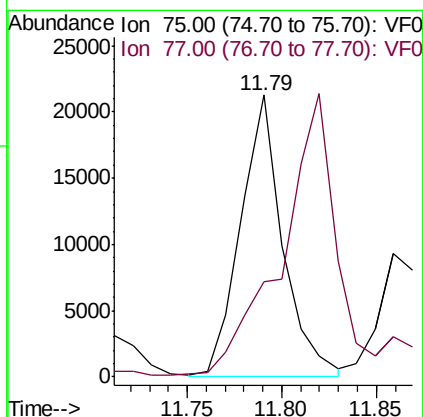
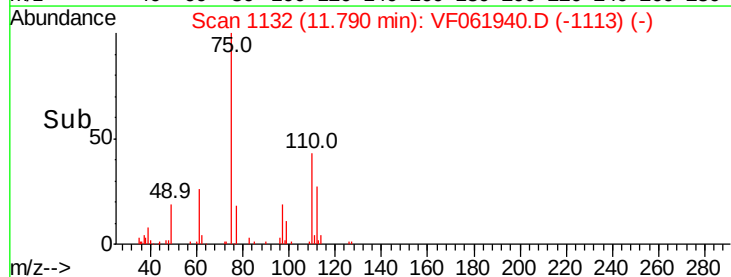
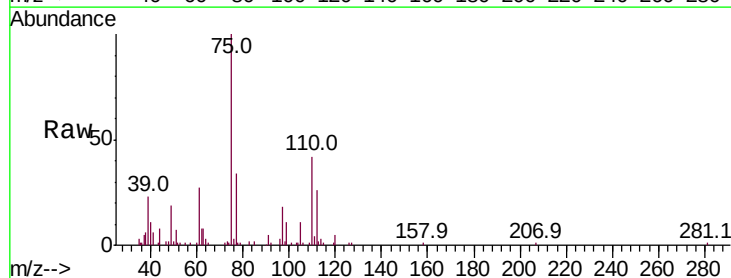
Acq: 14 Mar 2019 15:57

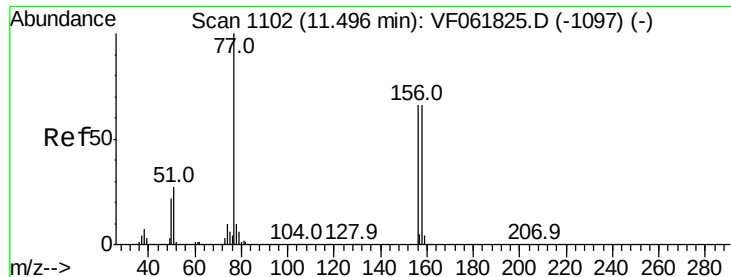
Tgt Ion: 75 Resp: 32707

Ion Ratio Lower Upper

75 100

77 33.8 18.1 54.4





#77

Bromobenzene

Concen: 21.977 ug/l

RT: 11.48 min Scan# 1101

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA\_F

ClientSampleId :

VF0314SBS01

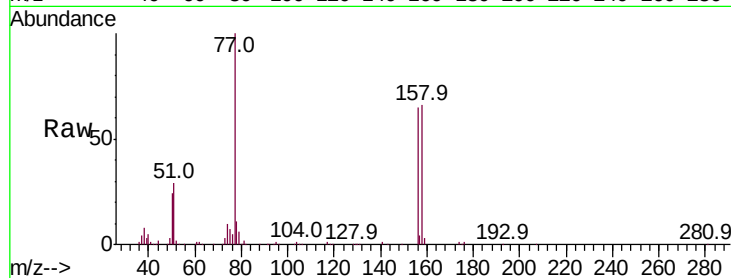
Tot Ion:156 Resp: 72198

Ion Ratio Lower Upper

156 100

77 154.5 75.7 227.1

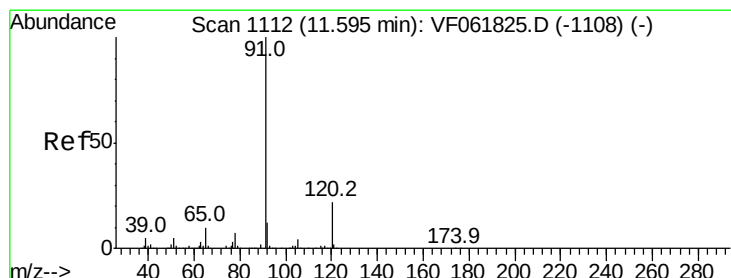
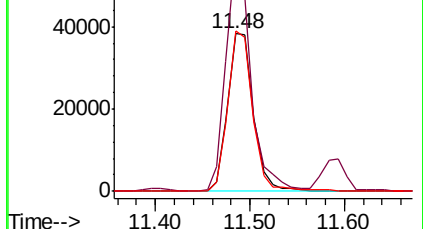
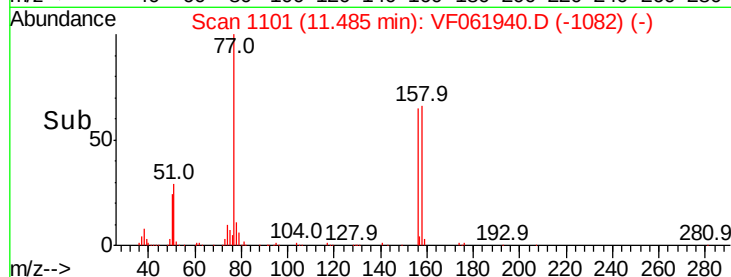
158 101.4 50.0 150.1



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: 23.412 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF061940.D

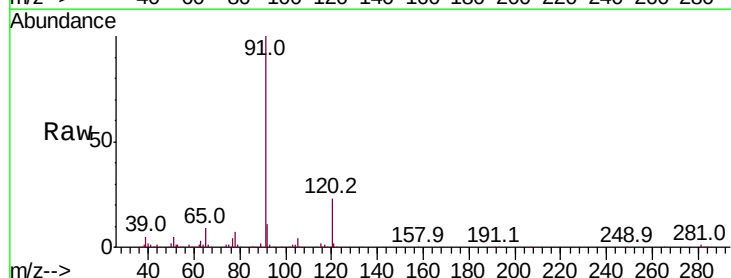
Acq: 14 Mar 2019 15:57

Tgt Ion: 91 Resp: 360886

Ion Ratio Lower Upper

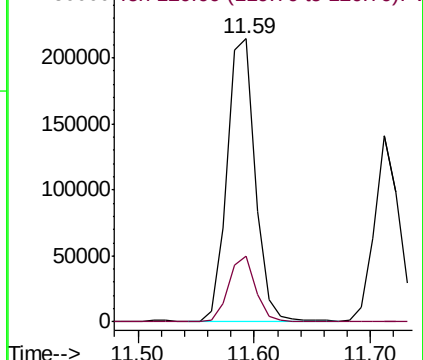
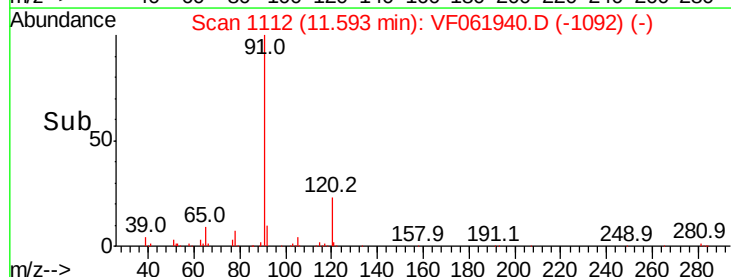
91 100

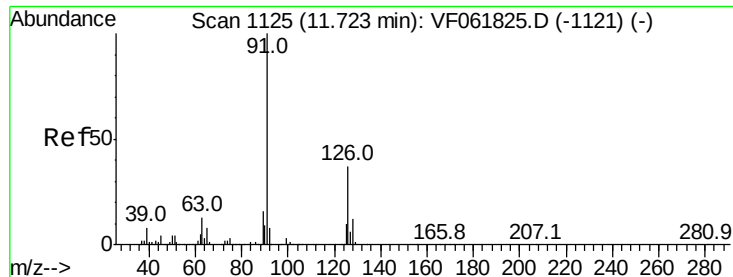
120 23.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

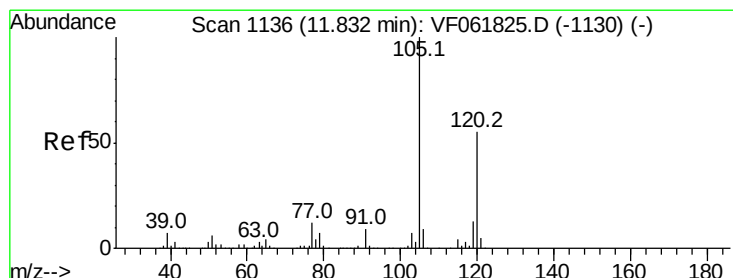
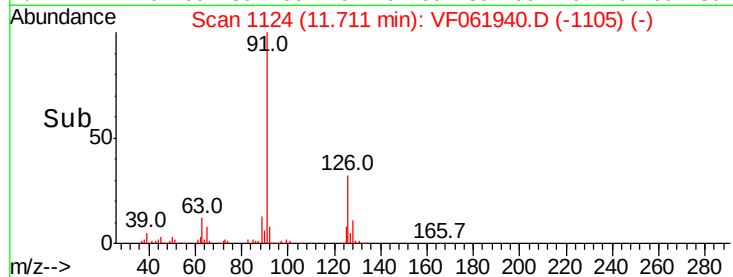
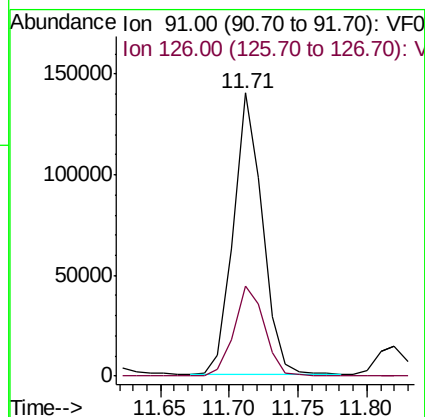
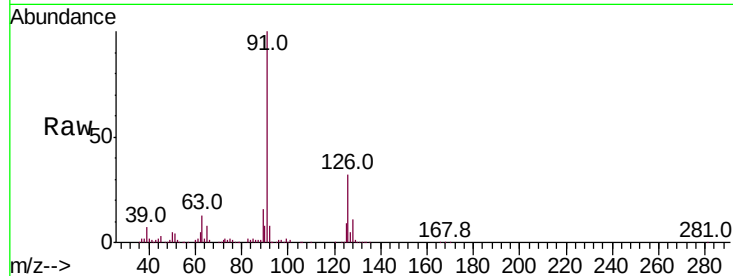




#79  
 2-Chlorotoluene  
 Concen: 23.317 ug/l  
 RT: 11.71 min Scan# 1124  
 Delta R.T. -0.01 min  
 Lab File: VF061940.D  
 Acq: 14 Mar 2019 15:57

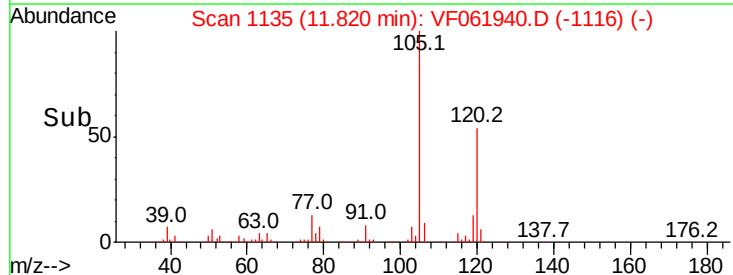
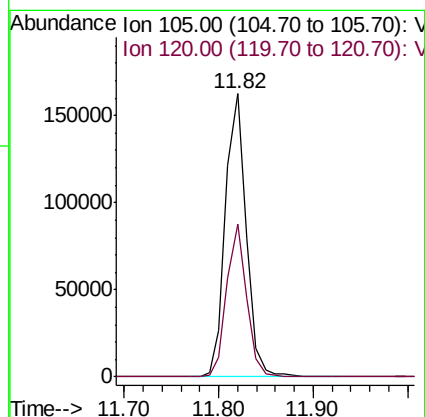
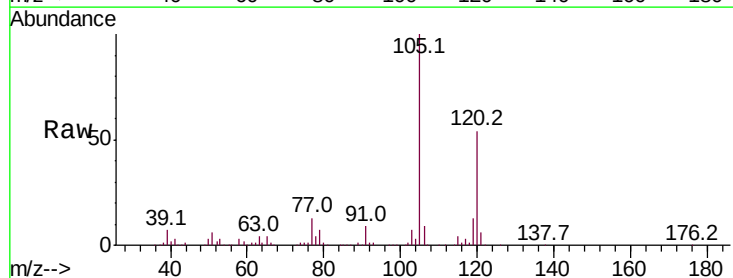
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0314SBSD01

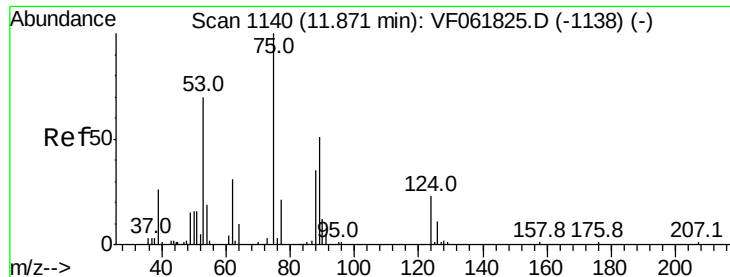
Tot Ion: 91 Resp: 205489  
 Ion Ratio Lower Upper  
 91 100  
 126 31.6 18.1 54.4



#80  
 1,3,5-Trimethylbenzene  
 Concen: 22.651 ug/l  
 RT: 11.82 min Scan# 1135  
 Delta R.T. -0.01 min  
 Lab File: VF061940.D  
 Acq: 14 Mar 2019 15:57

Tgt Ion: 105 Resp: 248234  
 Ion Ratio Lower Upper  
 105 100  
 120 54.1 27.4 82.2





#81

trans-1,4-Dichloro-2-butene

Concen: 21.944 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA\_F

ClientSampleId :

VF0314SBS01

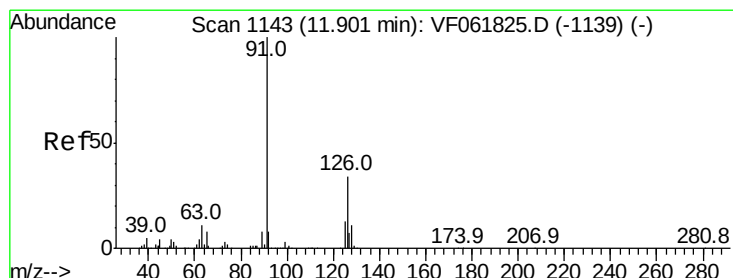
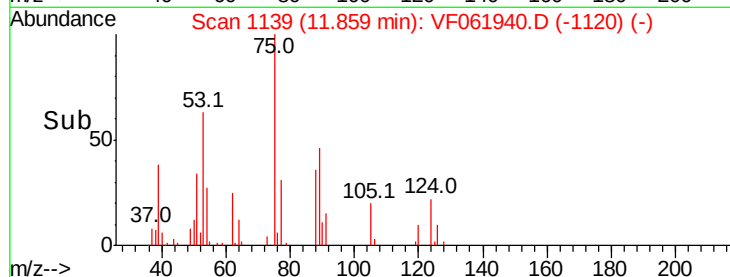
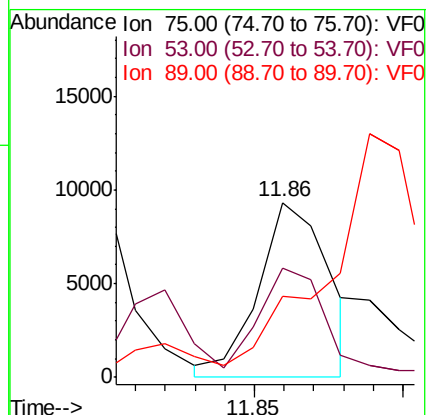
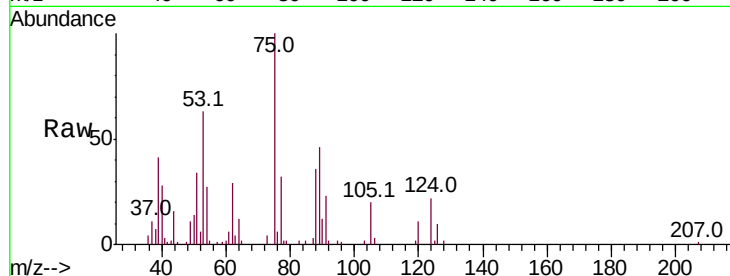
Tot Ion: 75 Resp: 15537

Ion Ratio Lower Upper

75 100

53 62.8 58.6 88.0

89 46.3 41.4 62.0



#82

4-Chlorotoluene

Concen: 22.855 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF061940.D

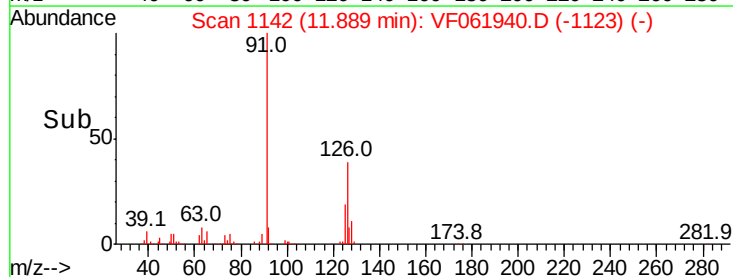
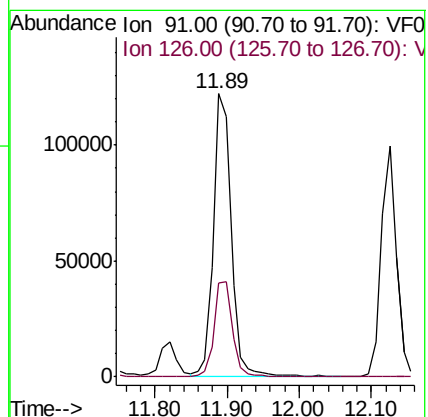
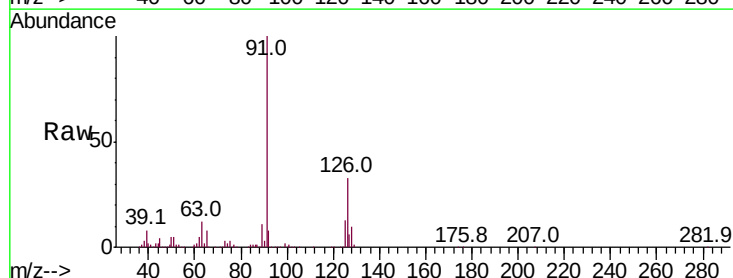
Acq: 14 Mar 2019 15:57

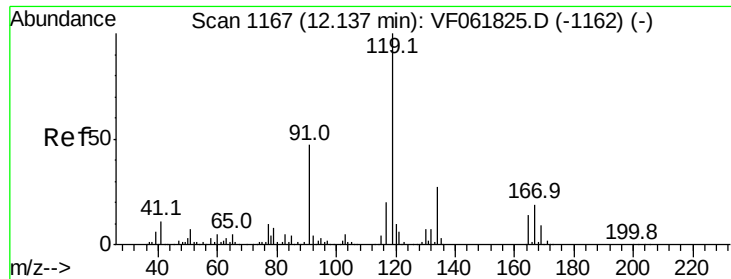
Tgt Ion: 91 Resp: 206025

Ion Ratio Lower Upper

91 100

126 33.3 17.0 50.9

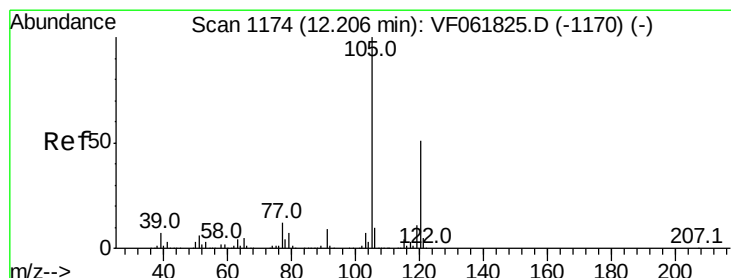
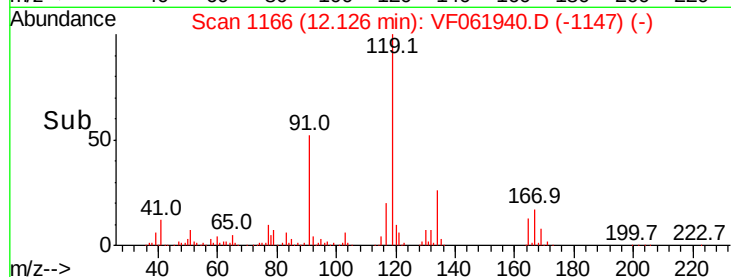
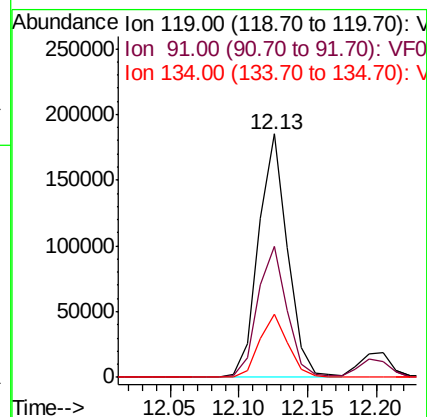
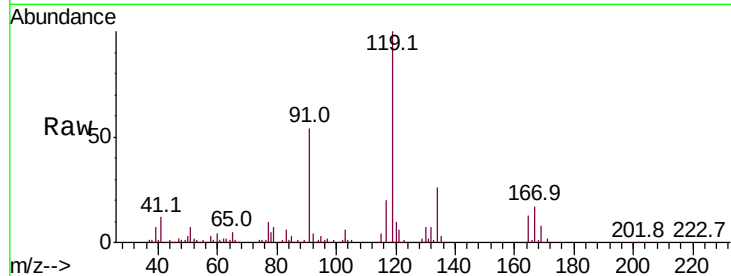




#83  
 tert-Butylbenzene  
 Concen: 23.484 ug/l  
 RT: 12.13 min Scan# 1166  
 Delta R.T. -0.01 min  
 Lab File: VF061940.D  
 Acq: 14 Mar 2019 15:57

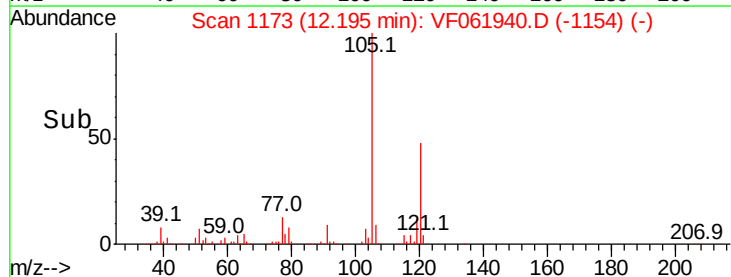
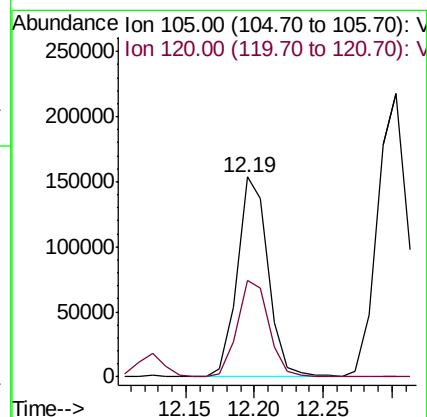
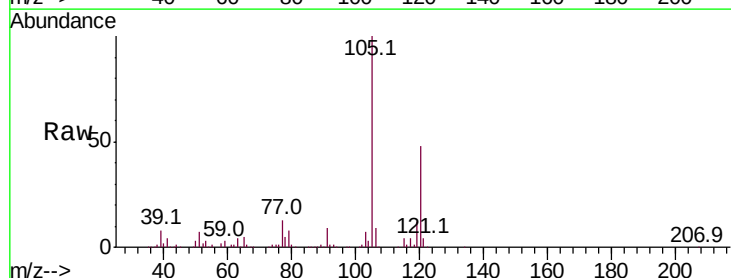
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0314SBS01

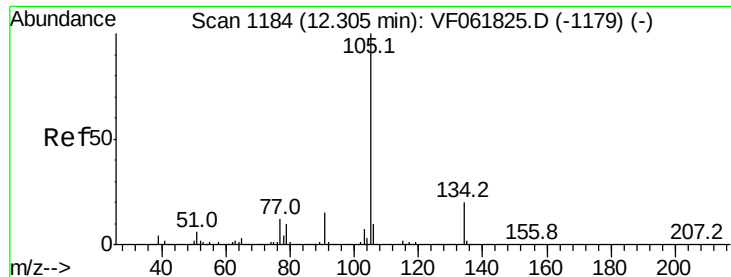
Tot Ion:119 Resp: 273280  
 Ion Ratio Lower Upper  
 119 100  
 91 53.8 23.5 70.5  
 134 26.1 13.3 39.8



#84  
 1,2,4-Trimethylbenzene  
 Concen: 22.286 ug/l  
 RT: 12.19 min Scan# 1173  
 Delta R.T. -0.01 min  
 Lab File: VF061940.D  
 Acq: 14 Mar 2019 15:57

Tgt Ion:105 Resp: 239431  
 Ion Ratio Lower Upper  
 105 100  
 120 48.2 25.8 77.4





#85

sec-Butylbenzene

Concen: 22.299 ug/l

RT: 12.30 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA\_F

ClientSampleId :

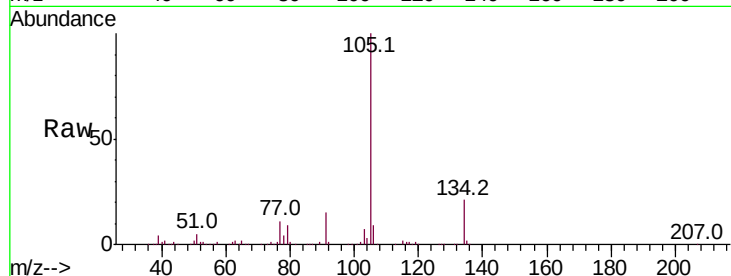
VF0314SBSD01

Tot Ion:105 Resp: 337692

Ion Ratio Lower Upper

105 100

134 21.2 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

50000

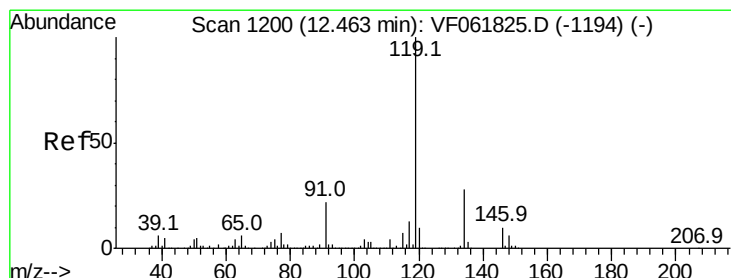
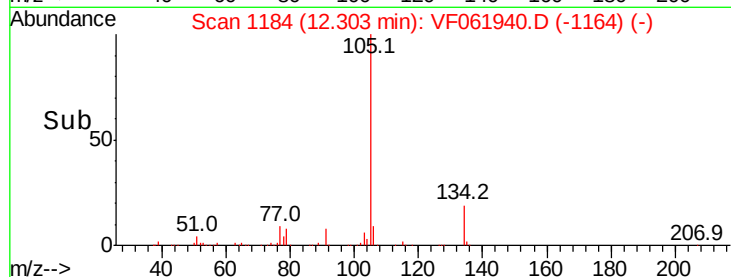
0

12.20

12.30

12.40

Time-->



#86

p-Isopropyltoluene

Concen: 22.831 ug/l

RT: 12.45 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

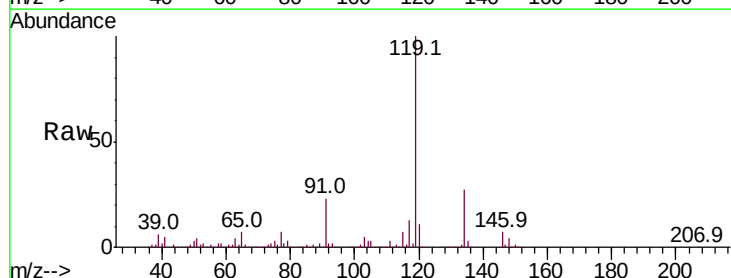
Tgt Ion:119 Resp: 293891

Ion Ratio Lower Upper

119 100

134 27.2 14.0 42.0

91 22.8 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

250000

200000

150000

100000

50000

0

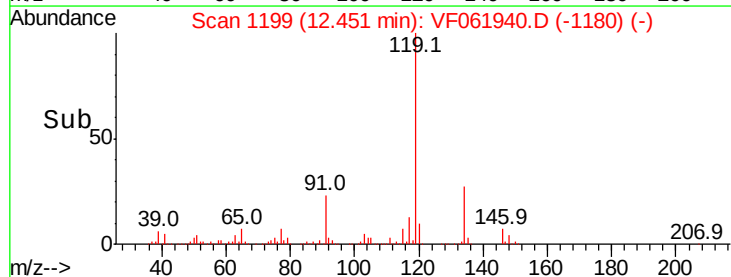
12.30

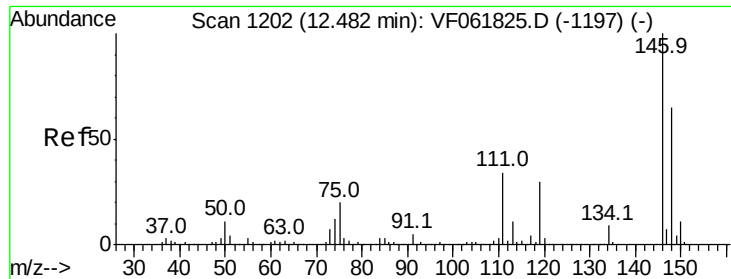
12.40

12.50

12.60

Time-->

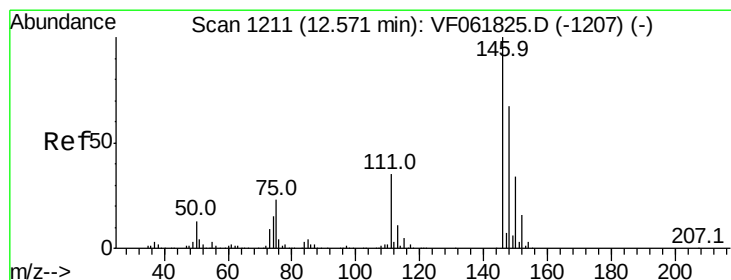
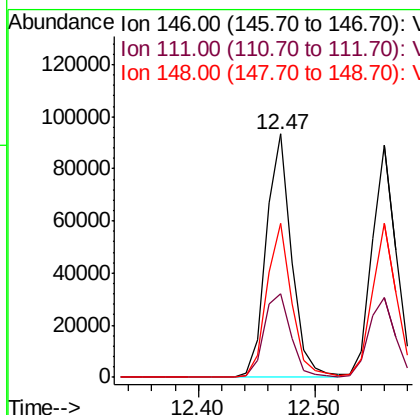
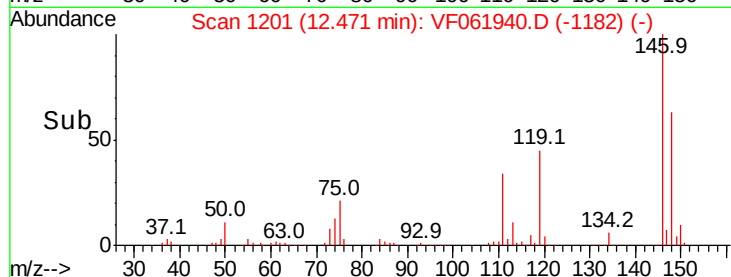
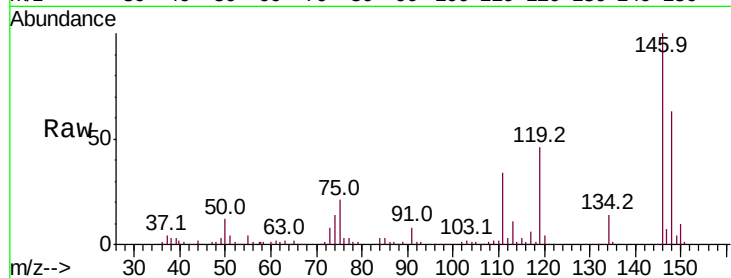




#87  
 1,3-Dichlorobenzene  
 Concen: 22.517 ug/l  
 RT: 12.47 min Scan# 1201  
 Delta R.T. -0.01 min  
 Lab File: VF061940.D  
 Acq: 14 Mar 2019 15:57

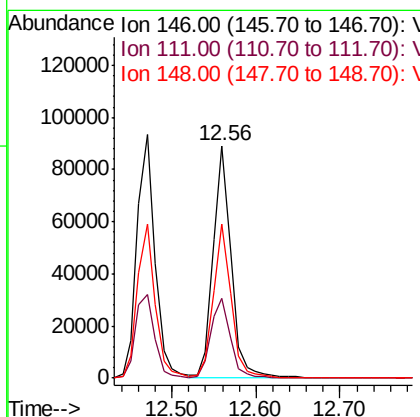
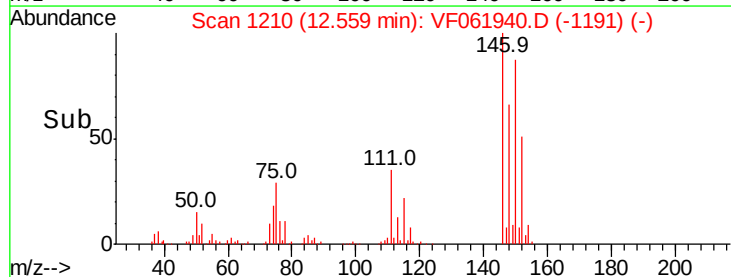
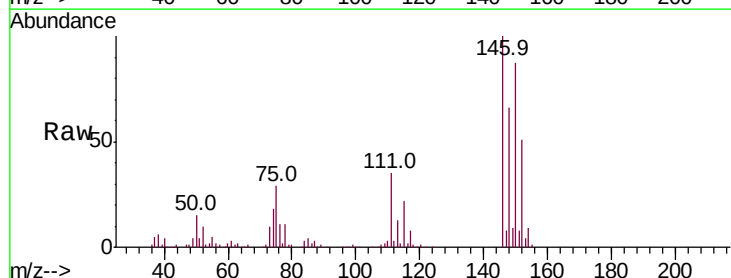
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0314SBS01

Tot Ion:146 Resp: 140458  
 Ion Ratio Lower Upper  
 146 100  
 111 34.2 17.0 51.0  
 148 63.3 32.5 97.5

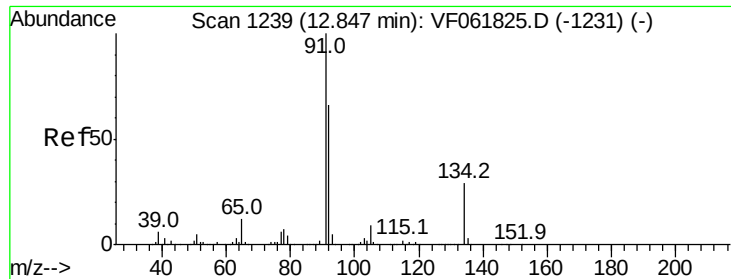


#88  
 1,4-Dichlorobenzene  
 Concen: 22.067 ug/l  
 RT: 12.56 min Scan# 1210  
 Delta R.T. -0.01 min  
 Lab File: VF061940.D  
 Acq: 14 Mar 2019 15:57

Tgt Ion:146 Resp: 132783  
 Ion Ratio Lower Upper  
 146 100  
 111 34.6 17.6 52.9  
 148 66.5 33.5 100.4



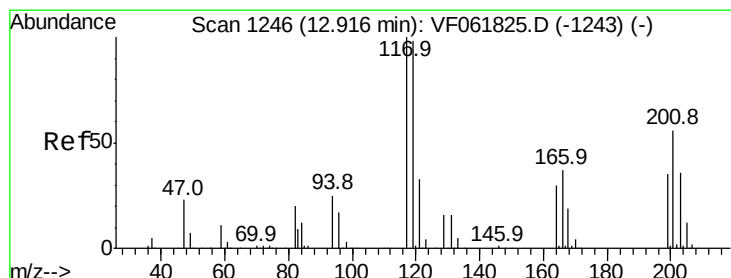
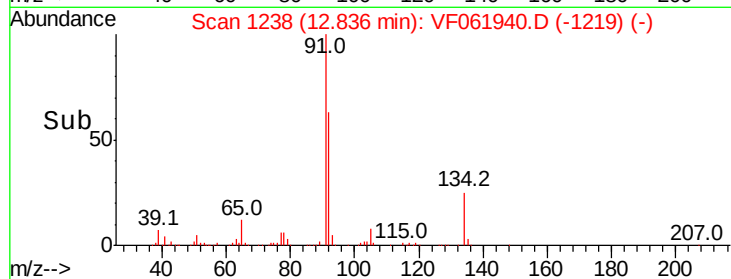
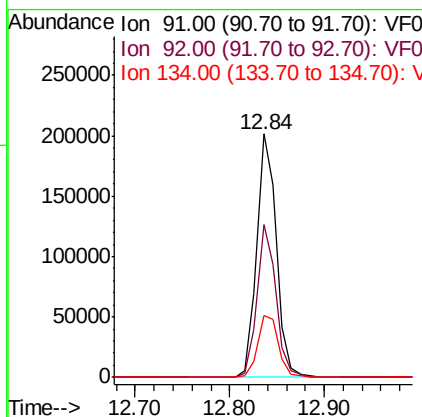
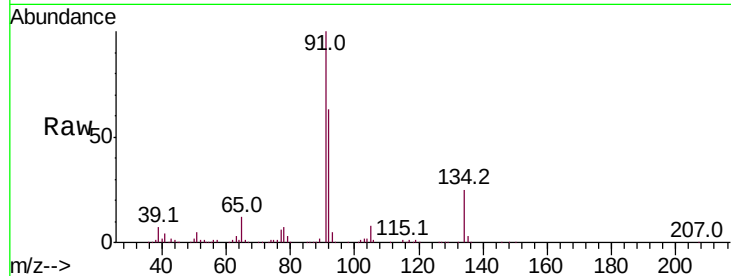




#89  
n-Butylbenzene  
Concen: 23.654 ug/l  
RT: 12.84 min Scan# 1238  
Delta R.T. -0.01 min  
Lab File: VF061940.D  
Acq: 14 Mar 2019 15:57

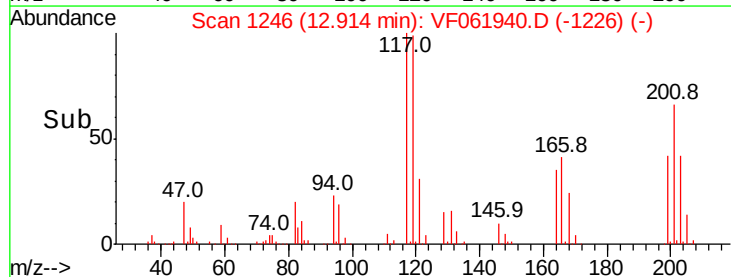
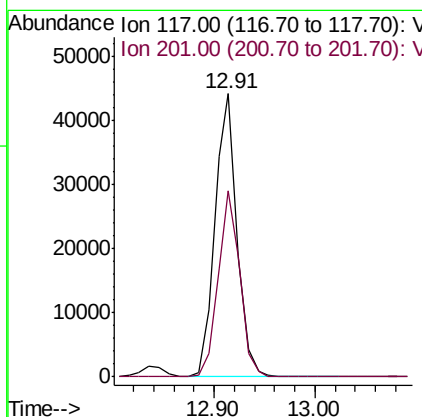
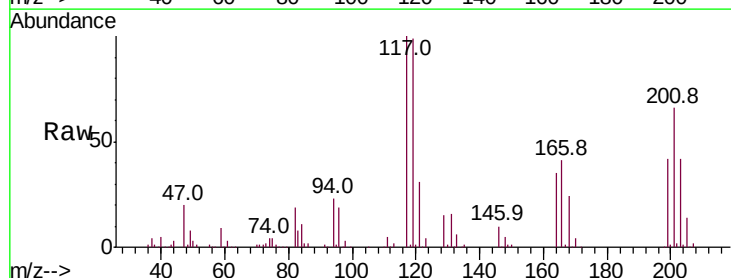
Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0314SBS01

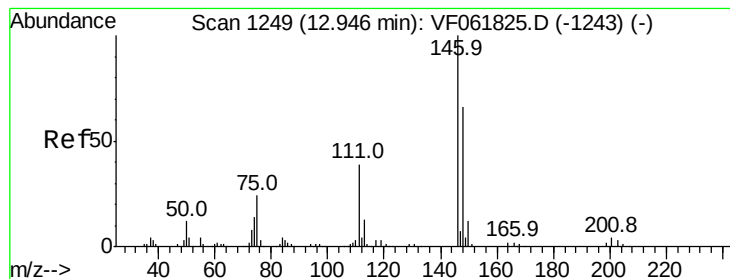
Tot Ion: 91 Resp: 290988  
Ion Ratio Lower Upper  
91 100  
92 62.9 32.9 98.6  
134 25.2 14.5 43.6



#90  
Hexachloroethane  
Concen: 21.779 ug/l  
RT: 12.91 min Scan# 1246  
Delta R.T. -0.00 min  
Lab File: VF061940.D  
Acq: 14 Mar 2019 15:57

Tgt Ion: 117 Resp: 67479  
Ion Ratio Lower Upper  
117 100  
201 65.8 27.8 83.4





#91

1,2-Dichlorobenzene

Concen: 21.772 ug/l

RT: 12.93 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA\_F

ClientSampleId :

VF0314SBS01

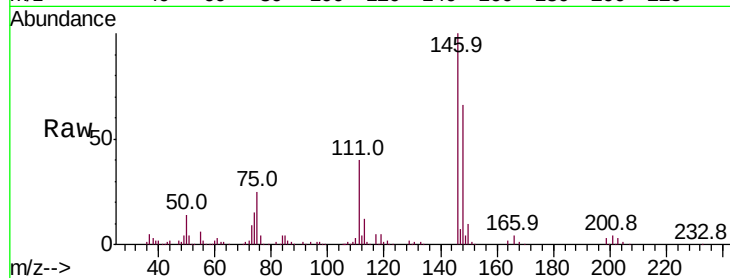
Tot Ion:146 Resp: 128670

Ion Ratio Lower Upper

146 100

111 40.1 19.4 58.4

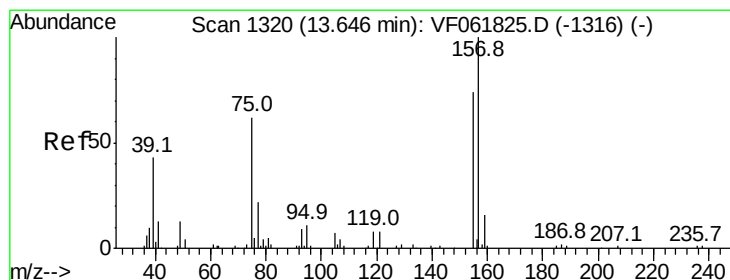
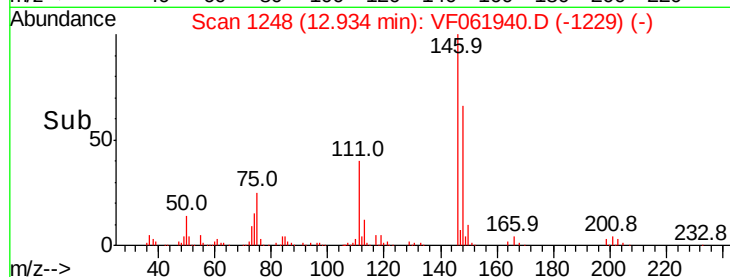
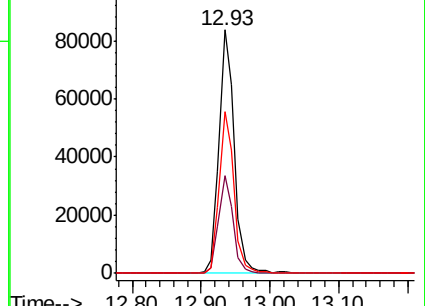
148 66.3 33.0 98.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.185 ug/l

RT: 13.63 min Scan# 1319

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

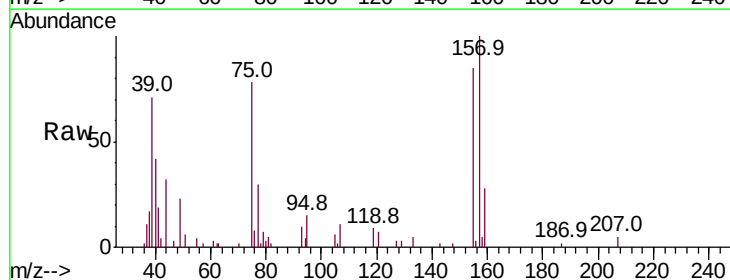
Tgt Ion: 75 Resp: 7421

Ion Ratio Lower Upper

75 100

155 108.8 59.8 179.4

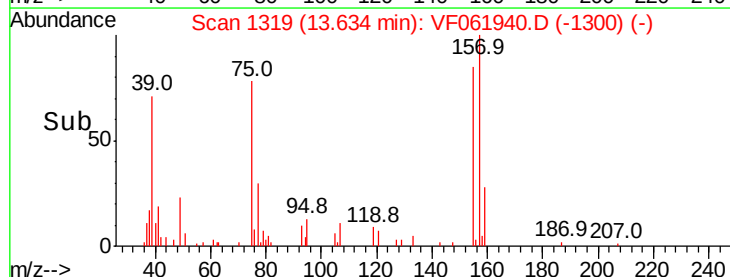
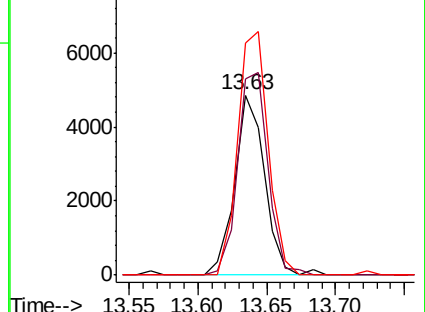
157 128.7 81.2 243.4

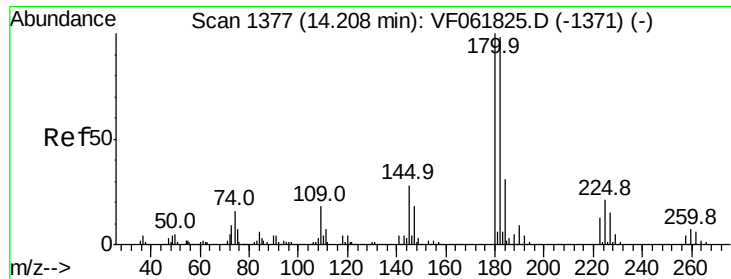


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

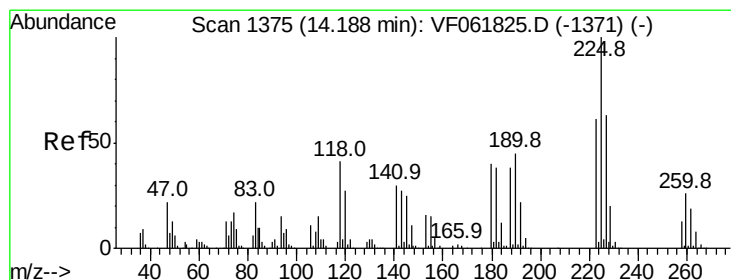
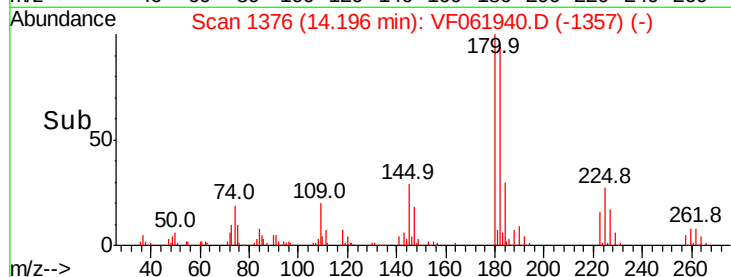
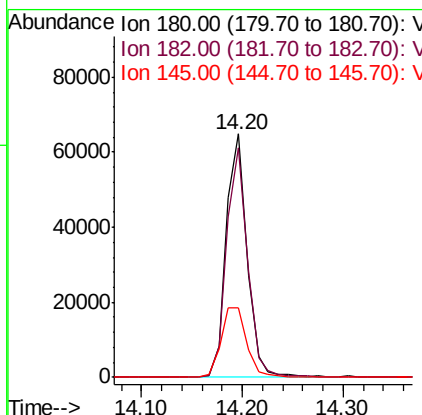
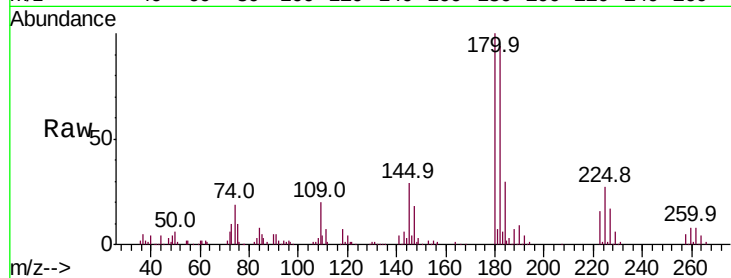




#93  
 1,2,4-Trichlorobenzene  
 Concen: 22.650 ug/l  
 RT: 14.20 min Scan# 1376  
 Delta R.T. -0.01 min  
 Lab File: VF061940.D  
 Acq: 14 Mar 2019 15:57

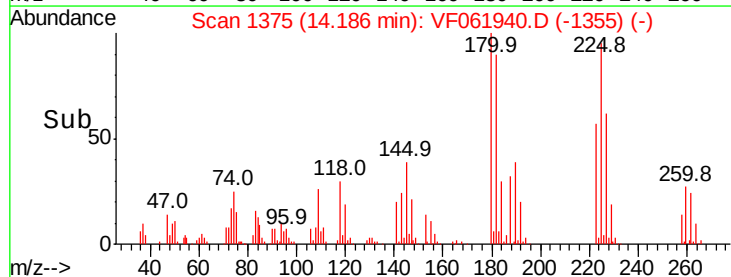
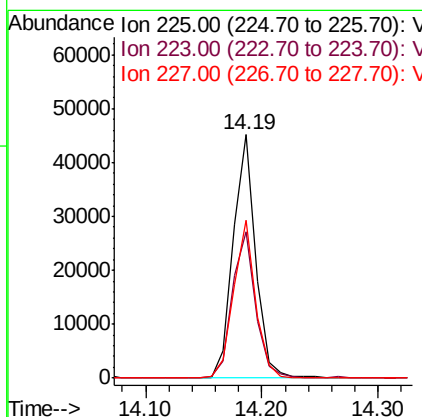
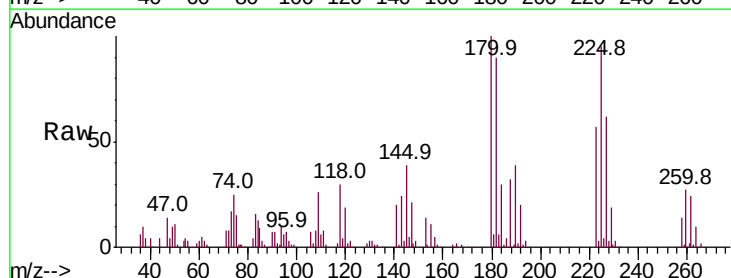
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0314SBS01

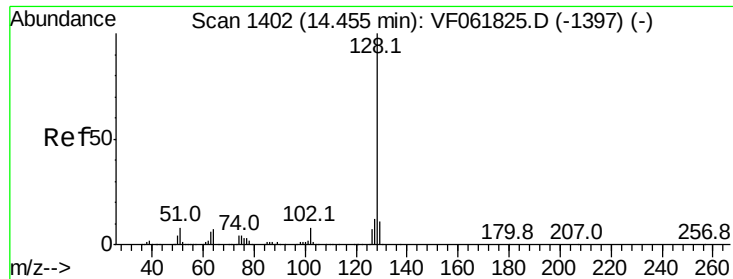
Tot Ion:180 Resp: 93847  
 Ion Ratio Lower Upper  
 180 100  
 182 94.0 49.0 147.2  
 145 28.8 14.1 42.4



#94  
 Hexachlorobutadiene  
 Concen: 20.930 ug/l  
 RT: 14.19 min Scan# 1375  
 Delta R.T. -0.00 min  
 Lab File: VF061940.D  
 Acq: 14 Mar 2019 15:57

Tgt Ion:225 Resp: 60032  
 Ion Ratio Lower Upper  
 225 100  
 223 60.4 30.3 90.9  
 227 65.1 31.3 93.8





#95

Naphthalene

Concen: 21.431 ug/l

RT: 14.45 min Scan# 1402

Delta R.T. -0.00 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA\_F

ClientSampleId :

VF0314SBS01

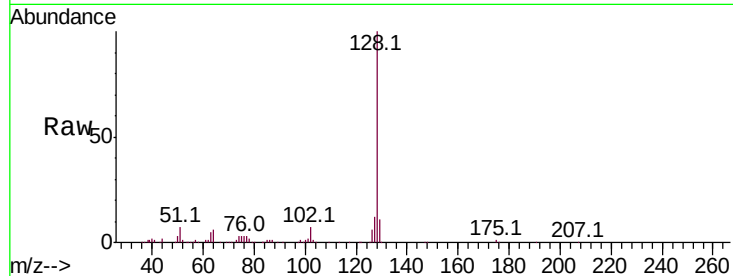
Tot Ion:128 Resp: 158153

Ion Ratio Lower Upper

128 100

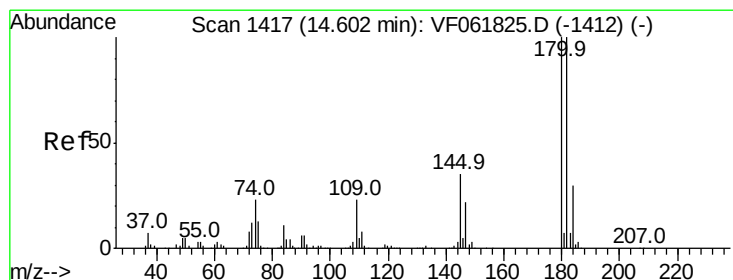
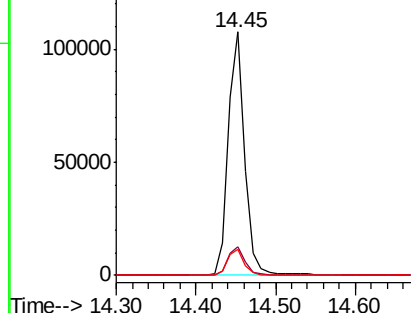
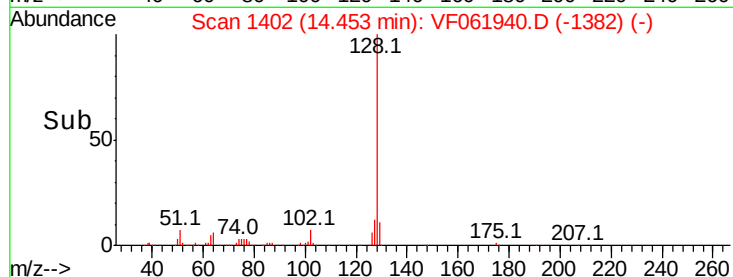
127 11.6 9.3 13.9

129 10.8 8.8 13.2



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

14.45



#96

1,2,3-Trichlorobenzene

Concen: 21.589 ug/l

RT: 14.60 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

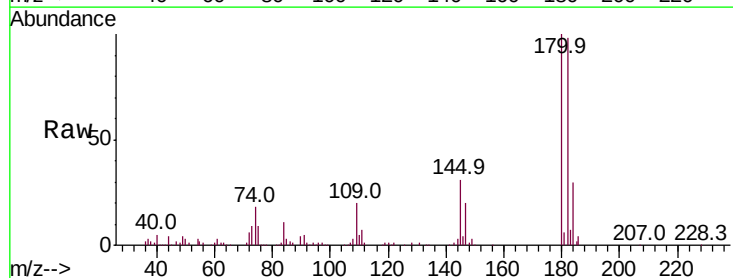
Tgt Ion:180 Resp: 82590

Ion Ratio Lower Upper

180 100

182 97.6 50.2 150.7

145 30.5 17.5 52.5



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

14.60

