

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061818\  
 Data File : VF059168.D  
 Acq On : 18 Jun 2018 11:22  
 Operator : VA/AP  
 Sample : VSTDCCC050  
 Misc : 5.00u/5mL/MSVOA-F/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

apatel  
 6/19/2018 3:33:29 PM

Quant Time: Jun 19 03:37:47 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F060618S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 07 10:52:00 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.03  | 168  | 289062   | 50.00 | ug/l  | -0.02    |
| 34) 1,4-Difluorobenzene    | 5.76  | 114  | 444910   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.91  | 117  | 444571   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.63 | 152  | 265240   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |       |
|---------------------------|--------|-----|----------|-------|---------|-------|
| 33) 1,2-Dichloroethane-d4 | 5.01   | 65  | 183242   | 52.27 | ug/l    | 0.00  |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.54% |       |
| 35) Dibromofluoromethane  | 4.28   | 113 | 168725   | 54.05 | ug/l    | -0.02 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 108.10% |       |
| 50) Toluene-d8            | 7.70   | 98  | 483670   | 52.74 | ug/l    | 0.00  |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.48% |       |
| 62) 4-Bromofluorobenzene  | 11.50  | 95  | 249150   | 52.97 | ug/l    | 0.00  |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.94% |       |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 0.99 | 85  | 159970  | 48.895  | ug/l   | 98     |
| 3) Chloromethane              | 1.08 | 50  | 120071  | 47.379  | ug/l   | 100    |
| 4) Vinyl Chloride             | 1.15 | 62  | 93012   | 40.681  | ug/l   | 97     |
| 5) Bromomethane               | 1.34 | 94  | 61932   | 46.488  | ug/l   | 96     |
| 6) Chloroethane               | 1.42 | 64  | 46410   | 48.921  | ug/l   | 96     |
| 7) Trichlorofluoromethane     | 1.48 | 101 | 192556m | 54.181  | ug/l   |        |
| 8) Diethyl Ether              | 1.69 | 74  | 41283   | 46.170  | ug/l   | 91     |
| 9) 1,1,2-Trichlorotrifluoroet | 1.89 | 101 | 92484   | 40.832  | ug/l   | 95     |
| 10) Methyl Iodide             | 1.96 | 142 | 187192m | 47.233  | ug/l   |        |
| 11) Tert butyl alcohol        | 2.67 | 59  | 52158   | 232.202 | ug/l # | 93     |
| 12) 1,1-Dichloroethene        | 1.85 | 96  | 90065   | 47.287  | ug/l   | 89     |
| 13) Acrolein                  | 2.08 | 56  | 53745   | 276.437 | ug/l   | 98     |
| 14) Allyl chloride            | 2.18 | 41  | 170511  | 45.612  | ug/l   | 95     |
| 15) Acrylonitrile             | 3.07 | 53  | 96318   | 215.902 | ug/l   | 95     |
| 16) Acetone                   | 2.33 | 43  | 249516  | 298.098 | ug/l   | 93     |
| 17) Carbon Disulfide          | 1.83 | 76  | 225218  | 42.115  | ug/l   | 99     |
| 18) Methyl Acetate            | 2.44 | 43  | 74824m  | 52.000  | ug/l   |        |
| 19) Methyl tert-butyl Ether   | 2.52 | 73  | 308734  | 52.215  | ug/l   | 98     |
| 20) Methylene Chloride        | 2.27 | 84  | 93135m  | 46.471  | ug/l   |        |
| 21) trans-1,2-Dichloroethene  | 2.40 | 96  | 91037   | 43.582  | ug/l   | 93     |
| 22) Diisopropyl ether         | 2.92 | 45  | 360805  | 49.098  | ug/l   | 98     |
| 23) Vinyl Acetate             | 3.32 | 43  | 1284087 | 265.018 | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 3.00 | 63  | 211604  | 47.496  | ug/l   | 99     |
| 25) 2-Butanone                | 4.49 | 43  | 327868  | 252.658 | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 3.76 | 77  | 175908  | 54.425  | ug/l   | 98     |
| 27) cis-1,2-Dichloroethene    | 3.63 | 96  | 156865  | 48.793  | ug/l   | 89     |
| 28) Bromochloromethane        | 3.87 | 49  | 99108   | 49.424  | ug/l # | 91     |
| 29) Tetrahydrofuran           | 4.24 | 42  | 145653  | 254.731 | ug/l   | 99     |
| 30) Chloroform                | 4.03 | 83  | 342612  | 53.758  | ug/l   | 100    |
| 31) Cyclohexane               | 3.85 | 56  | 180792  | 46.453  | ug/l   | 97     |
| 32) 1,1,1-Trichloroethane     | 4.26 | 97  | 253959  | 53.375  | ug/l   | 97     |
| 36) 1,1-Dichloropropene       | 4.45 | 75  | 232135  | 53.829  | ug/l   | 96     |
| 37) Ethyl Acetate             | 4.28 | 43  | 144133  | 54.091  | ug/l   | 89     |
| 38) Carbon Tetrachloride      | 4.16 | 117 | 256109m | 54.797  | ug/l   |        |

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 Misc : 5.00g/5mL/MSVOA-F/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleID :  
 VSTDCCC050

Manual Integrations  
 APPROVED

apatel  
 6/19/2018 3:33:29 PM

Quant Time: Jun 19 03:37:47 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F060618S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 07 10:52:00 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 5.61  | 83   | 222340   | 50.580  | ug/l   | 96       |
| 40) Benzene                    | 4.80  | 78   | 523475   | 52.297  | ug/l   | 98       |
| 41) Methacrylonitrile          | 4.91  | 41   | 71612    | 54.703  | ug/l   | 95       |
| 42) 1,2-Dichloroethane         | 5.11  | 62   | 264593   | 58.938  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 7.10  | 43   | 187009   | 52.404  | ug/l # | 90       |
| 44) Trichloroethene            | 5.67  | 130  | 162945   | 52.099  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 6.39  | 63   | 146502   | 50.760  | ug/l   | 98       |
| 46) Dibromomethane             | 6.24  | 93   | 118207   | 54.435  | ug/l   | 97       |
| 47) Bromodichloromethane       | 6.53  | 83   | 280425   | 56.765  | ug/l   | 99       |
| 48) Methyl methacrylate        | 6.86  | 41   | 128137   | 58.246  | ug/l   | 95       |
| 49) 1,4-Dioxane                | 6.85  | 88   | 14859    | 926.996 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone       | 8.40  | 43   | 660782   | 270.158 | ug/l   | 99       |
| 52) Toluene                    | 7.77  | 92   | 386595   | 53.621  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 8.42  | 75   | 272088   | 56.872  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 7.45  | 75   | 306492   | 55.768  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane      | 8.63  | 97   | 134822   | 51.604  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 8.75  | 69   | 180207   | 54.721  | ug/l   | 92       |
| 57) 1,3-Dichloropropane        | 8.99  | 76   | 235690   | 52.737  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 7.77  | 63   | 60680    | 257.691 | ug/l   | 100      |
| 59) 2-Hexanone                 | 9.62  | 43   | 540765   | 279.508 | ug/l   | 95       |
| 60) Dibromochloromethane       | 8.85  | 129  | 219721   | 58.525  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 9.13  | 107  | 161074   | 53.059  | ug/l   | 99       |
| 64) Tetrachloroethene          | 8.30  | 164  | 160889   | 49.342  | ug/l   | 94       |
| 65) Chlorobenzene              | 9.94  | 112  | 466171   | 52.953  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.06 | 131  | 193596   | 55.283  | ug/l   | 96       |
| 67) Ethyl Benzene              | 10.03 | 91   | 816093   | 53.351  | ug/l   | 100      |
| 68) m/p-Xylenes                | 10.26 | 106  | 577264   | 100.797 | ug/l   | 96       |
| 69) o-Xylene                   | 10.82 | 106  | 318425   | 51.445  | ug/l   | 95       |
| 70) Styrene                    | 10.89 | 104  | 478977   | 51.145  | ug/l   | 98       |
| 71) Bromoform                  | 10.88 | 173  | 136848   | 57.543  | ug/l   | 98       |
| 73) Isopropylbenzene           | 11.22 | 105  | 933282   | 50.822  | ug/l   | 100      |
| 74) N-amyl acetate             | 11.45 | 43   | 327006   | 49.850  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.78 | 83   | 205922   | 47.298  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 11.88 | 75   | 155232   | 48.277  | ug/l   | 97       |
| 77) Bromobenzene               | 11.59 | 156  | 243215   | 52.625  | ug/l   | 83       |
| 78) n-propylbenzene            | 11.68 | 91   | 1061493  | 48.836  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 11.81 | 91   | 644447   | 50.188  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.91 | 105  | 771172   | 50.738  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.95 | 75   | 101734   | 48.799  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 11.99 | 91   | 685254   | 50.127  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.21 | 119  | 784061   | 51.953  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 12.28 | 105  | 799418   | 50.763  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 12.38 | 105  | 1010186  | 49.261  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.54 | 119  | 867682   | 51.516  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene        | 12.55 | 146  | 433134   | 50.761  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.64 | 146  | 421594   | 51.271  | ug/l   | 98       |
| 89) n-Butylbenzene             | 12.91 | 91   | 861656   | 49.264  | ug/l   | 99       |
| 90) Hexachloroethane           | 12.99 | 117  | 212834   | 51.313  | ug/l   | 74       |
| 91) 1,2-Dichlorobenzene        | 13.01 | 146  | 430331   | 52.351  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.71 | 75   | 42418    | 49.670  | ug/l   | 65       |

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Data File : VF059168.D  
Acq On : 18 Jun 2018 11:22  
Operator : VA/AP  
Sample : VSTDCCC050  
Misc : 5.00g/5mL/MSVOA-F/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

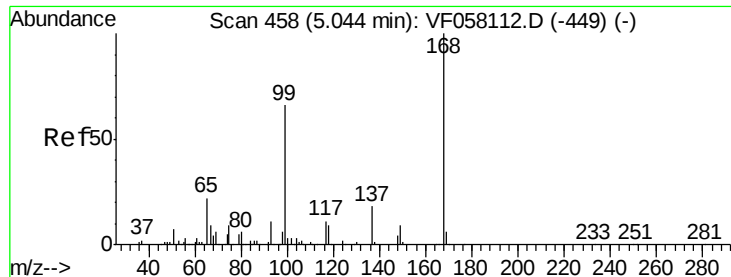
apatel  
6/19/2018 3:33:29 PM

Quant Time: Jun 19 03:37:47 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F060618S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 07 10:52:00 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.26 | 180  | 311440   | 54.169 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 14.25 | 225  | 183789   | 55.241 | ug/l  | 95       |
| 95) Naphthalene            | 14.52 | 128  | 646087   | 52.610 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.67 | 180  | 295643   | 55.645 | ug/l  | 97       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.02 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 289062

Ion Ratio Lower Upper

168 100

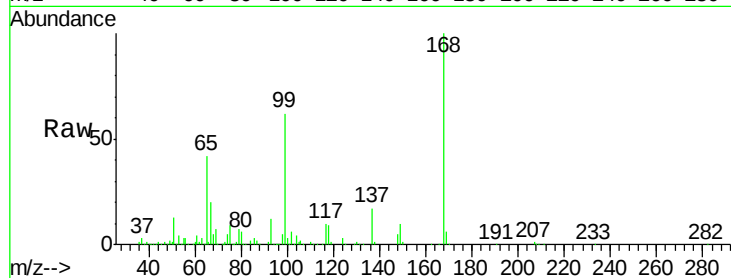
99 61.5 52.9 79.3

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

100000

80000

60000

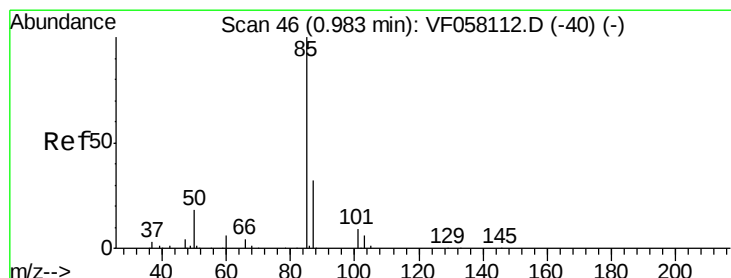
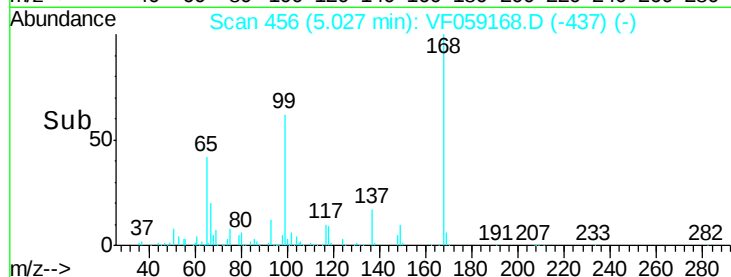
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 48.895 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059168.D

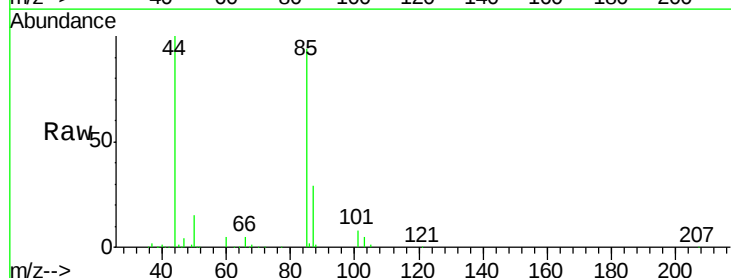
Acq: 18 Jun 2018 11:22

Tgt Ion: 85 Resp: 159970

Ion Ratio Lower Upper

85 100

87 31.1 16.2 48.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

40000

30000

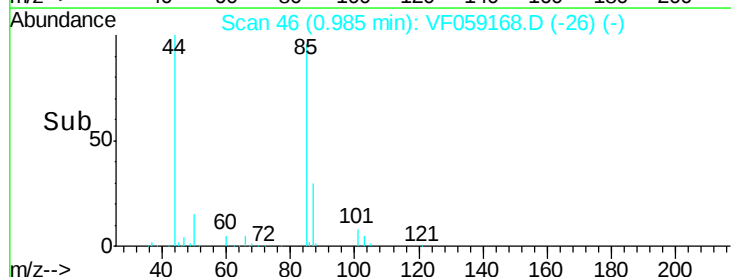
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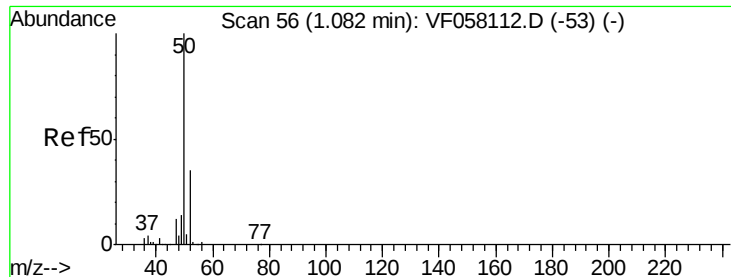
10000

0

0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 47.379 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 120071

Ion Ratio Lower Upper

50 100

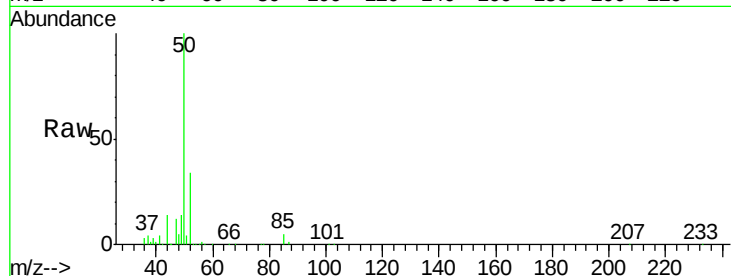
52 34.1 27.3 40.9

Manual Integrations

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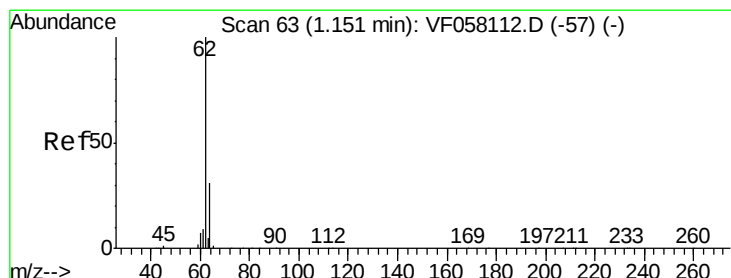
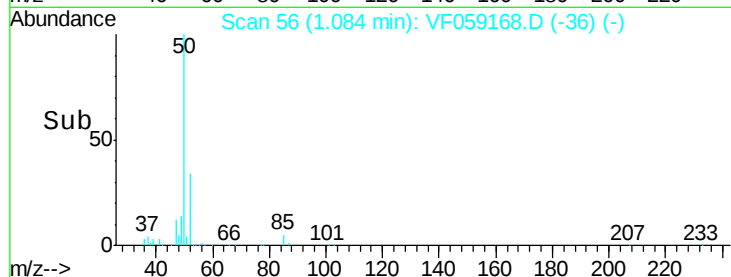
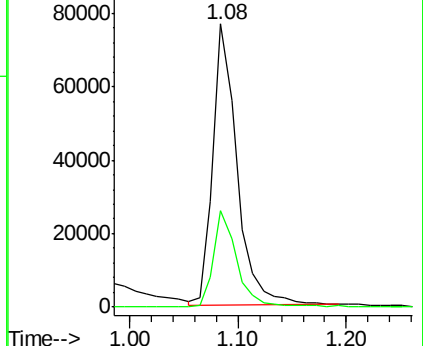
apatel

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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 40.681 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059168.D

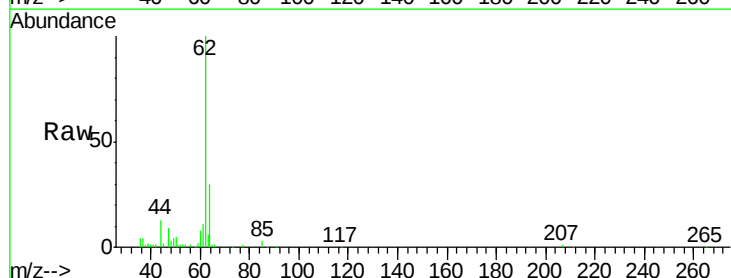
Acq: 18 Jun 2018 11:22

Tgt Ion: 62 Resp: 93012

Ion Ratio Lower Upper

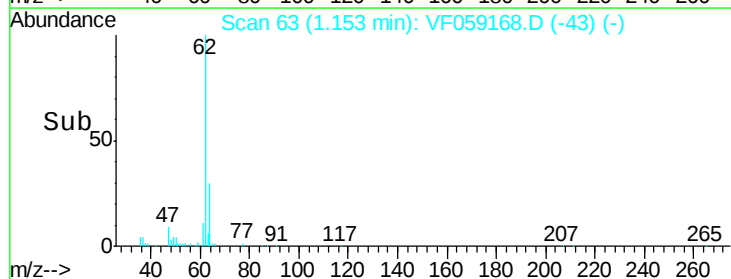
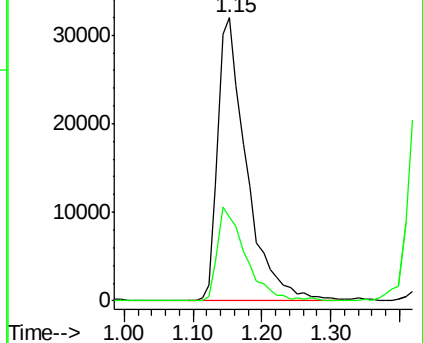
62 100

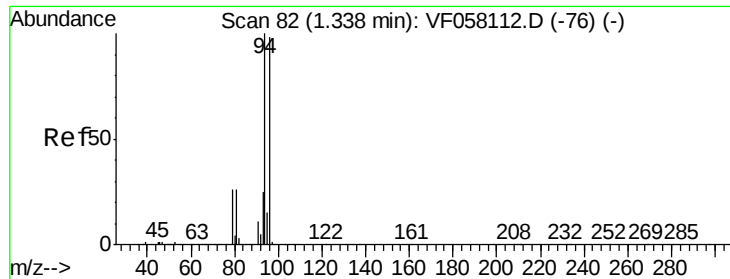
64 29.7 25.0 37.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 46.488 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 61932

Ion Ratio Lower Upper

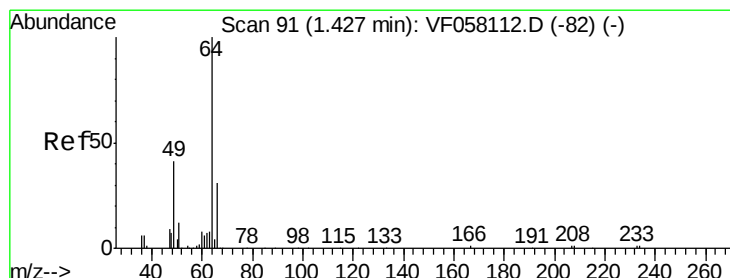
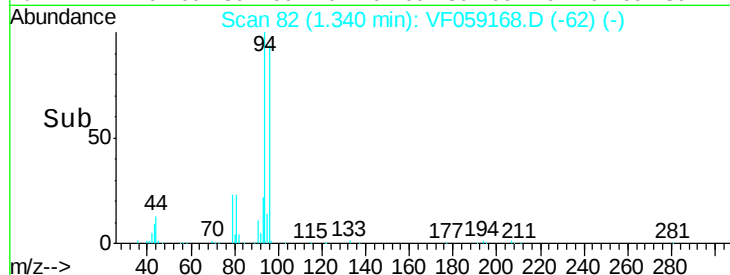
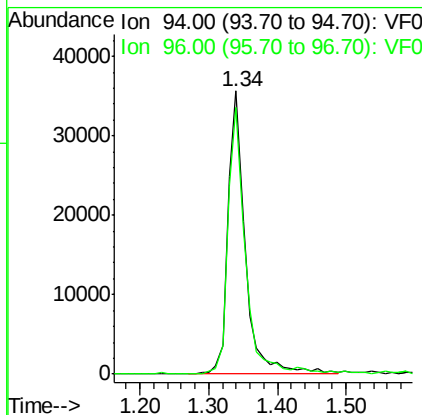
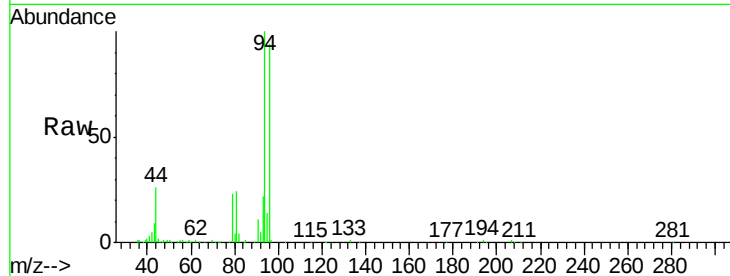
94 100

96 94.1 78.6 117.8

Manual Integrations  
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apatel

6/19/2018 3:33:29 PM



#6

Chloroethane

Concen: 48.921 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059168.D

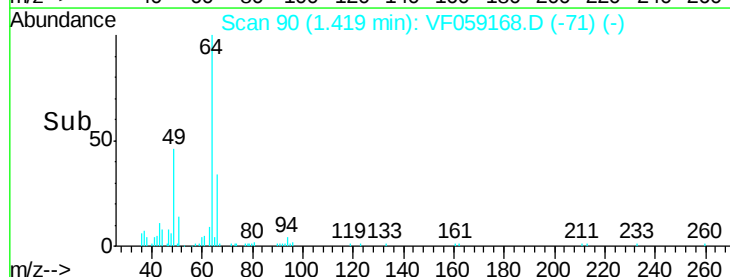
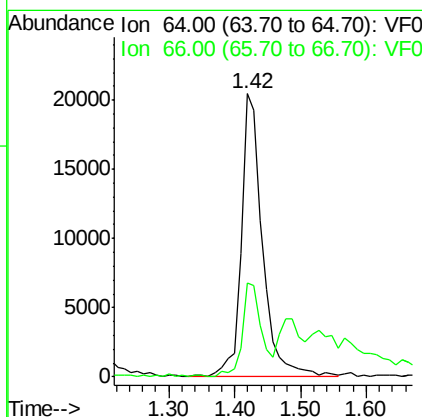
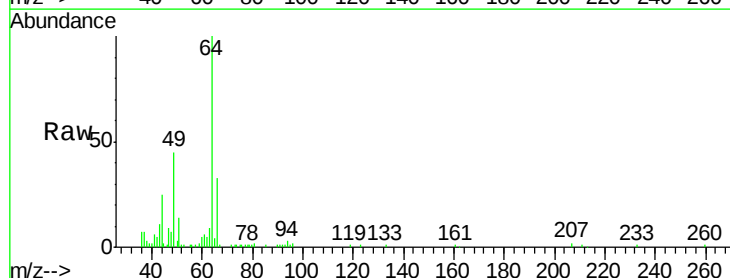
Acq: 18 Jun 2018 11:22

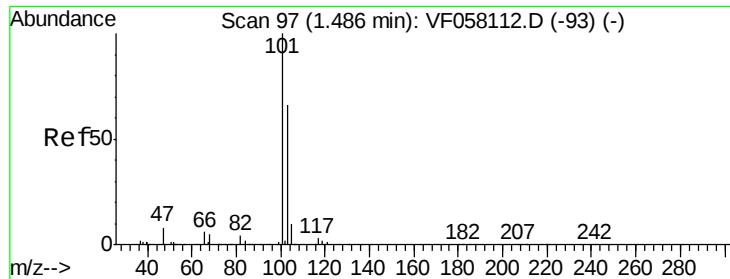
Tgt Ion: 64 Resp: 46410

Ion Ratio Lower Upper

64 100

66 33.1 24.9 37.3





#7

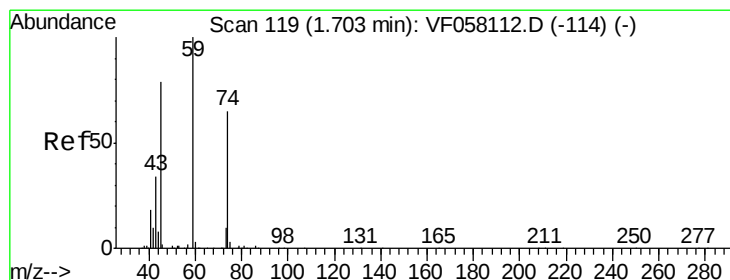
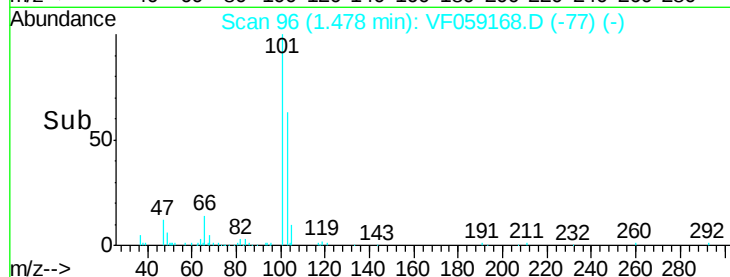
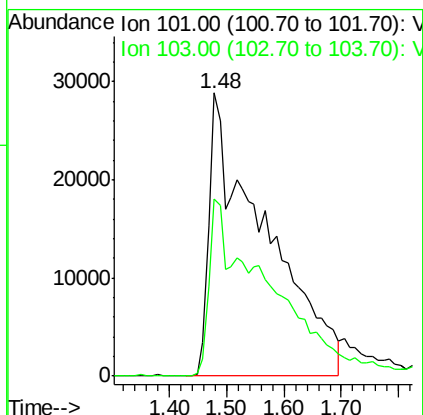
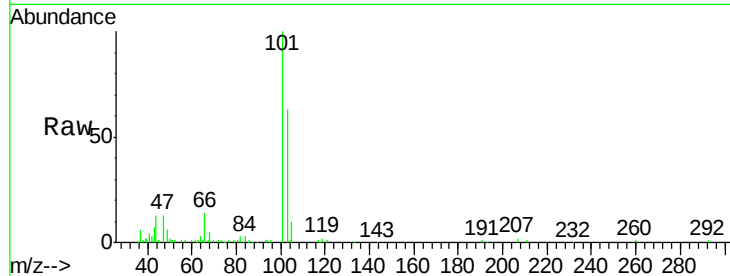
Trichlorofluoromethane  
Concen: 54.181 ug/l m  
RT: 1.48 min Scan# 96  
Delta R.T. -0.01 min  
Lab File: VF059168.D  
Acq: 18 Jun 2018 11:22

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 62.8  | 53.4  | 80.2  |

Manual Integrations  
APPROVED

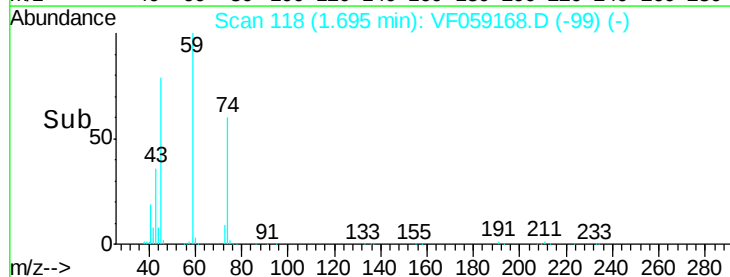
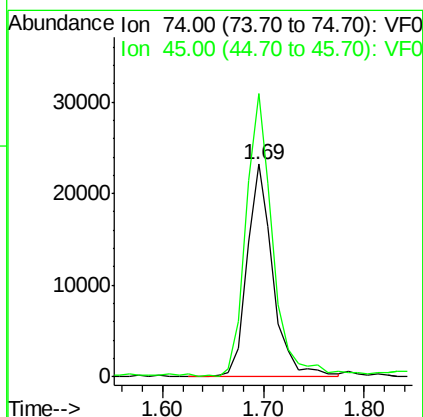
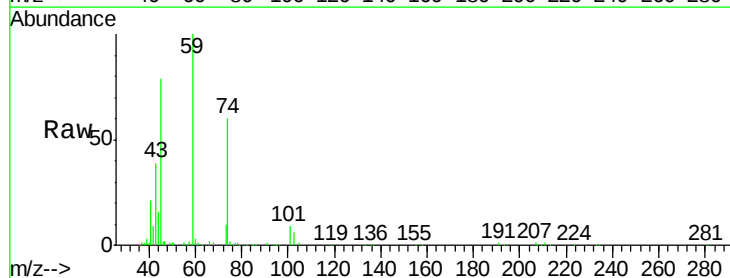
apatel  
6/19/2018 3:33:29 PM



#8

Diethyl Ether  
Concen: 46.170 ug/l  
RT: 1.69 min Scan# 118  
Delta R.T. -0.01 min  
Lab File: VF059168.D  
Acq: 18 Jun 2018 11:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 133.2 | 61.5  | 184.4 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 40.832 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

Instrument :

MSVOA\_F

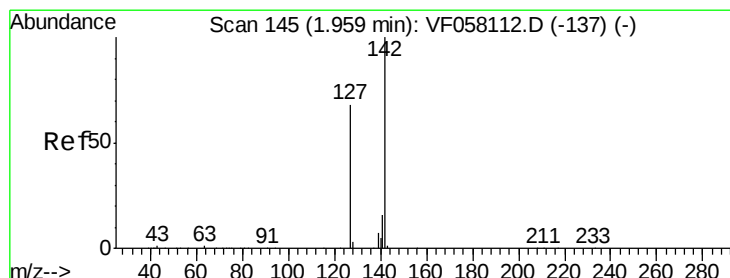
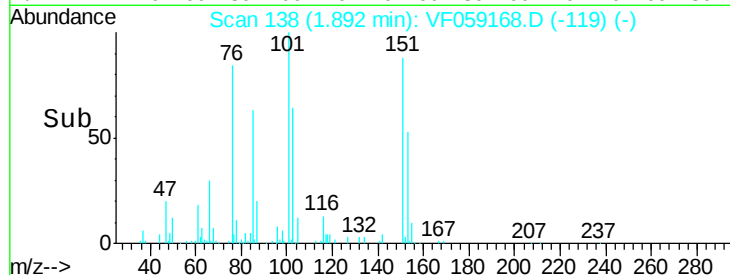
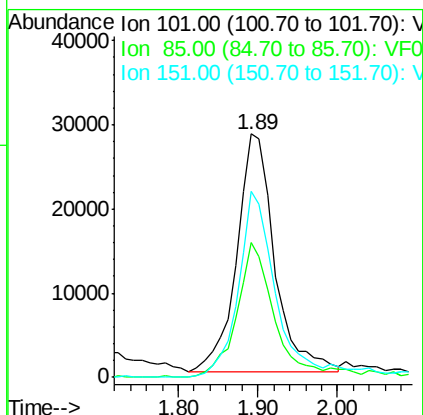
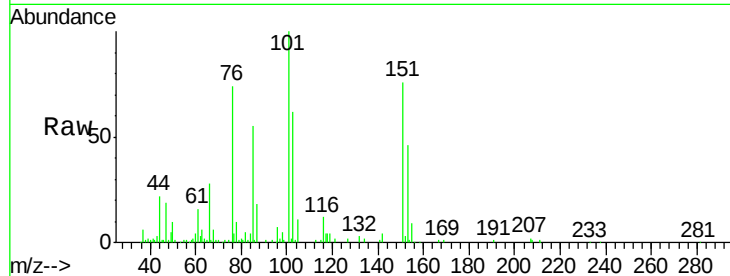
ClientSampleId :

VSTDCCC050

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 92484 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 55.1  | 42.2  | 63.4  |
| 151       | 76.5  | 56.8  | 85.2  |

Manual Integrations  
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#10

Methyl Iodide

Concen: 47.233 ug/l m

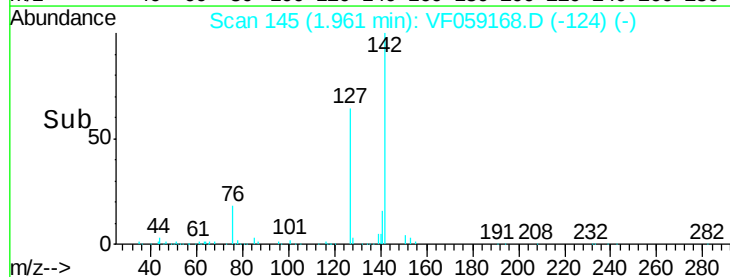
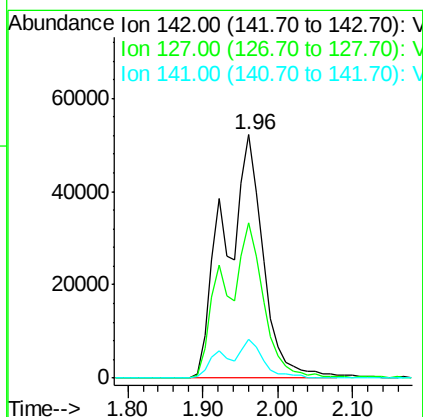
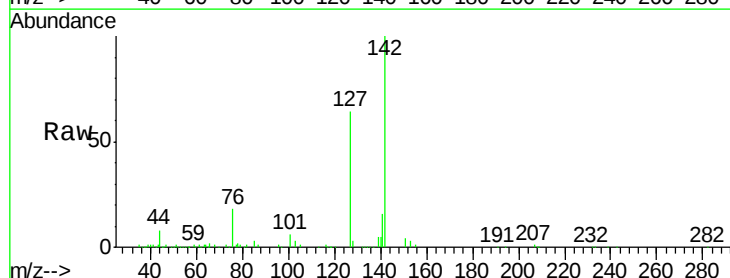
RT: 1.96 min Scan# 145

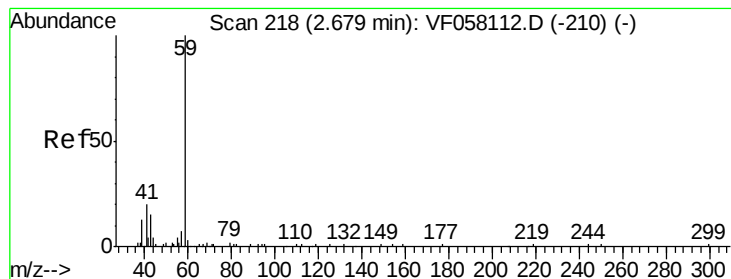
Delta R.T. 0.00 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 187192 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 63.6  | 54.1  | 81.1   |
| 141       | 15.9  | 13.0  | 19.4   |





#11

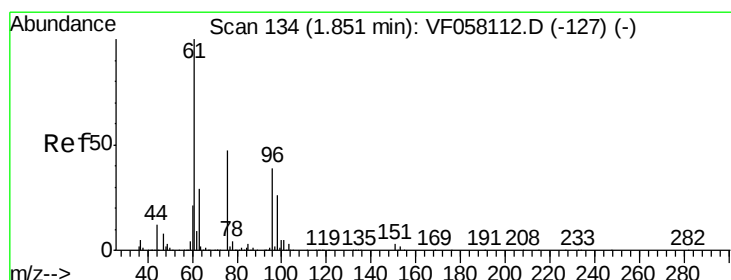
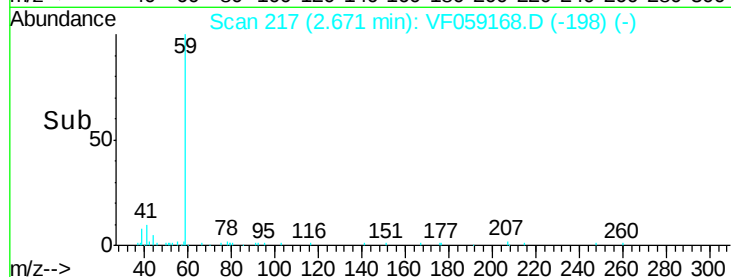
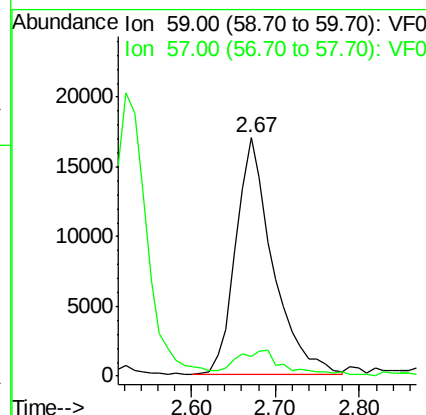
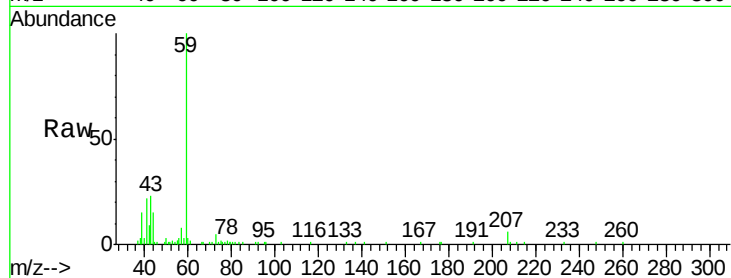
Tert butyl alcohol  
Concen: 232.202 ug/l  
RT: 2.67 min Scan# 217  
Delta R.T. -0.01 min  
Lab File: VF059168.D  
Acq: 18 Jun 2018 11:22

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 8.1   | 8.7   | 13.1# |

Manual Integrations  
APPROVED

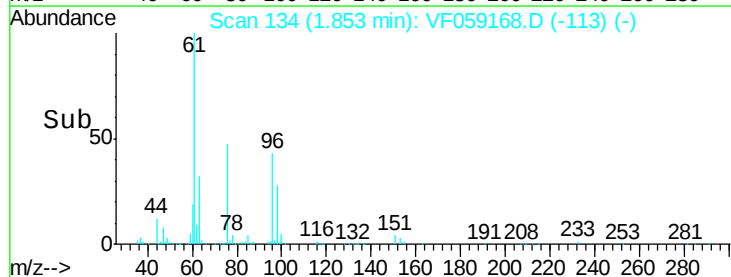
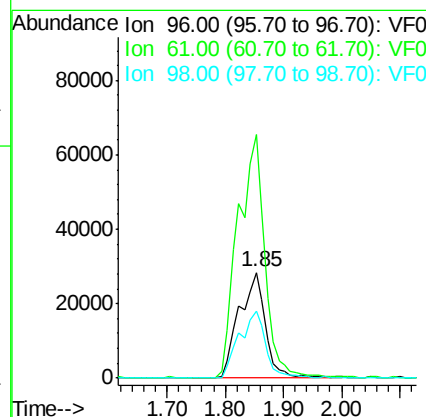
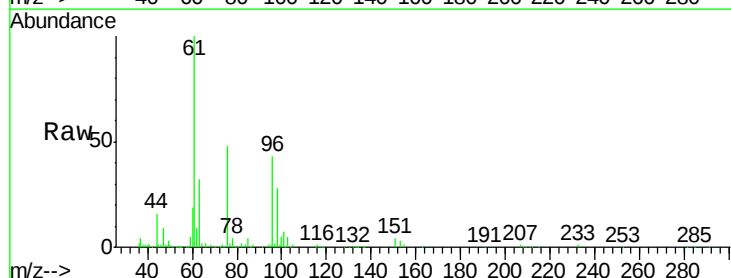
apatel  
6/19/2018 3:33:29 PM

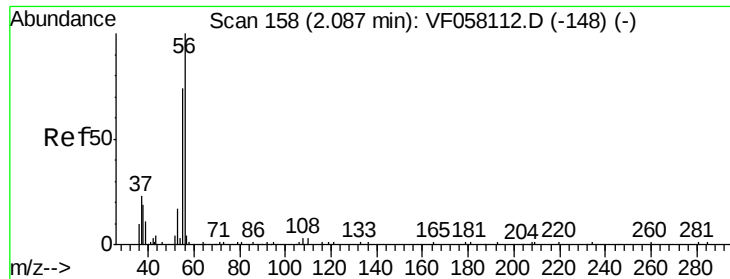


#12

1,1-Dichloroethene  
Concen: 47.287 ug/l  
RT: 1.85 min Scan# 134  
Delta R.T. 0.00 min  
Lab File: VF059168.D  
Acq: 18 Jun 2018 11:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 230.8 | 203.0 | 304.4 |
| 98      | 63.7  | 52.7  | 79.1  |





#13

Acrolein

Concen: 276.437 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 53745

Ion Ratio Lower Upper

56 100

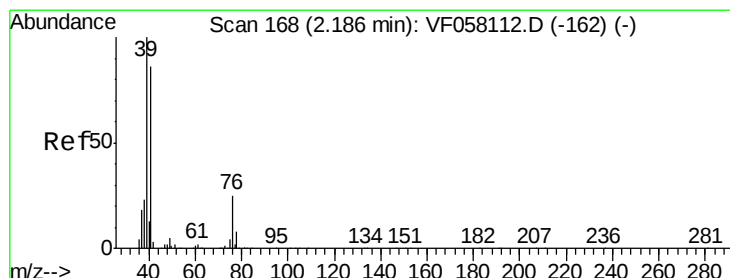
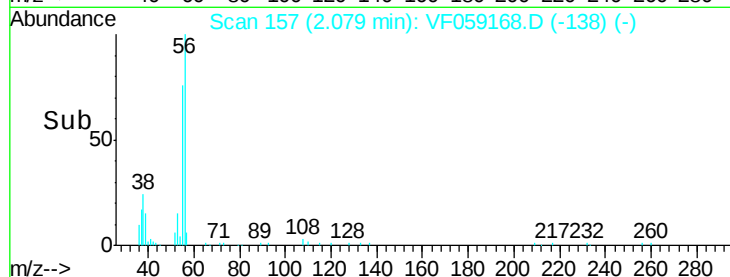
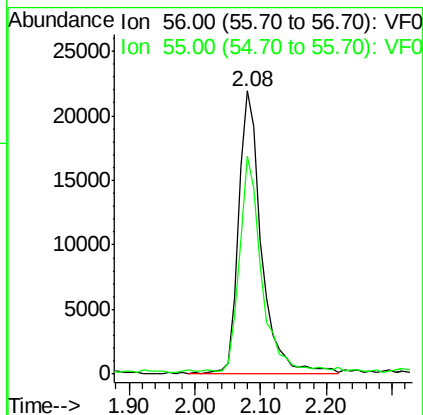
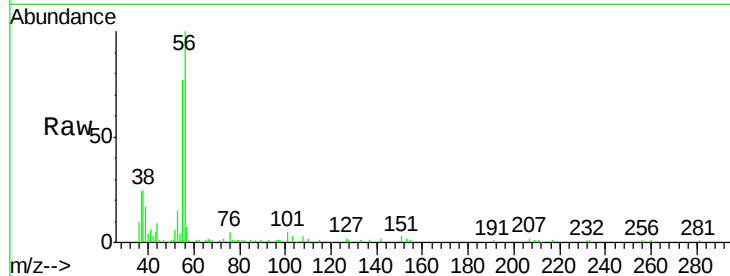
55 77.0 60.0 90.0

Manual Integrations

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#14

Allyl chloride

Concen: 45.612 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

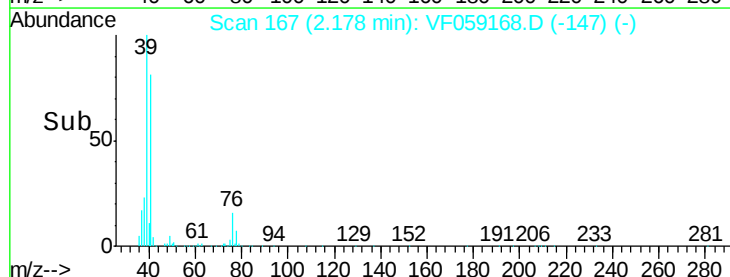
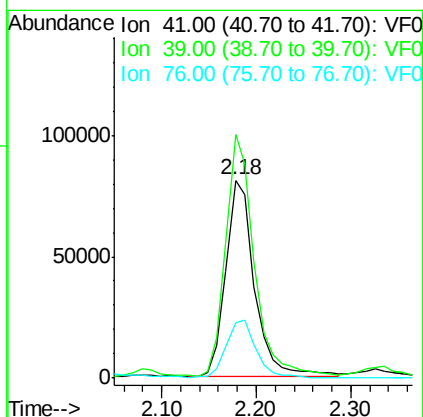
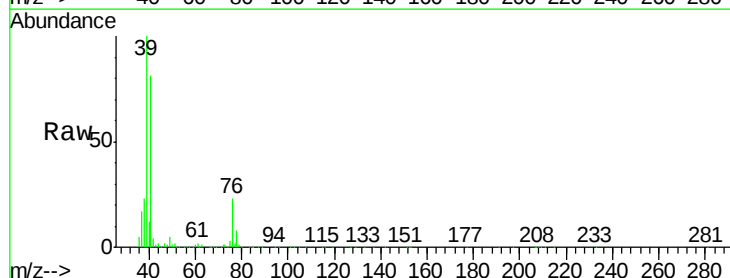
Tgt Ion: 41 Resp: 170511

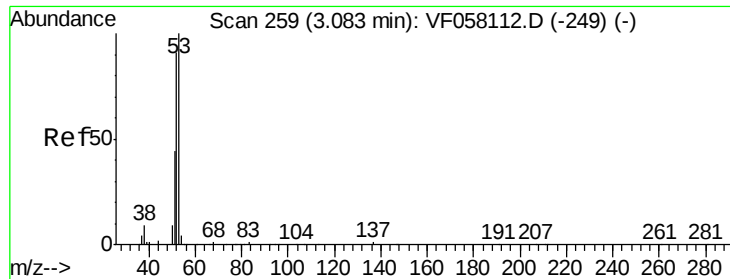
Ion Ratio Lower Upper

41 100

39 122.9 93.5 140.3

76 27.9 23.9 35.9





#15

Acrylonitrile

Concen: 215.902 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.02 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

Instrument :

MSVOA\_F

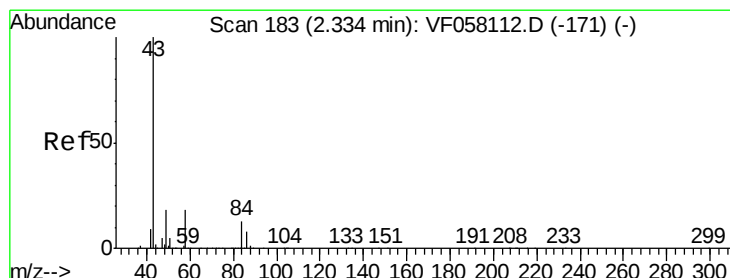
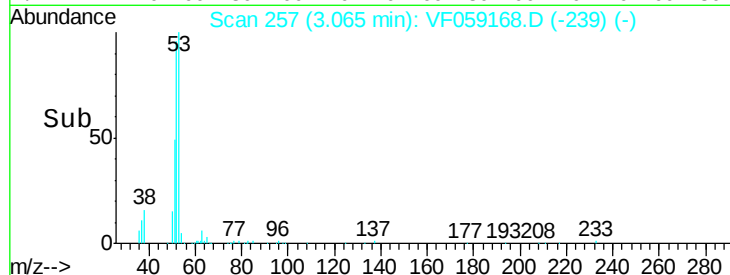
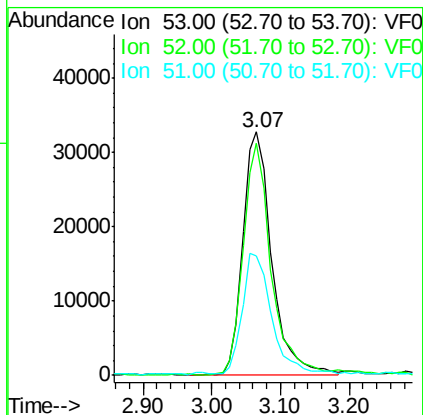
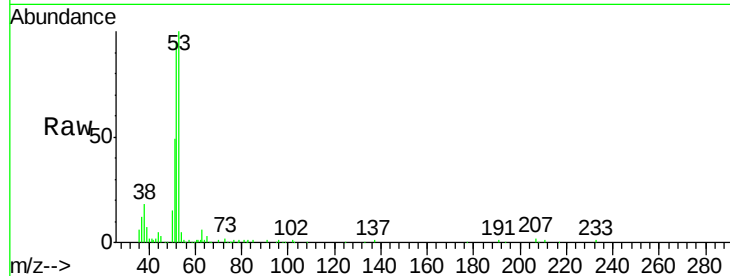
ClientSampleId :

VSTDCCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 96318 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 95.4  | 73.2  | 109.8 |
| 51       | 48.9  | 35.6  | 53.4  |

Manual Integrations  
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#16

Acetone

Concen: 298.098 ug/l

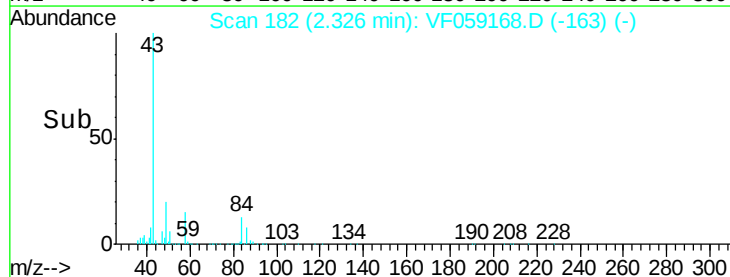
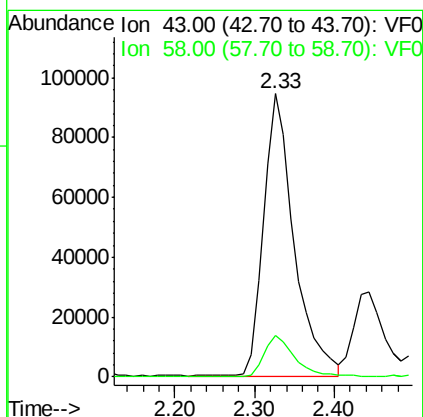
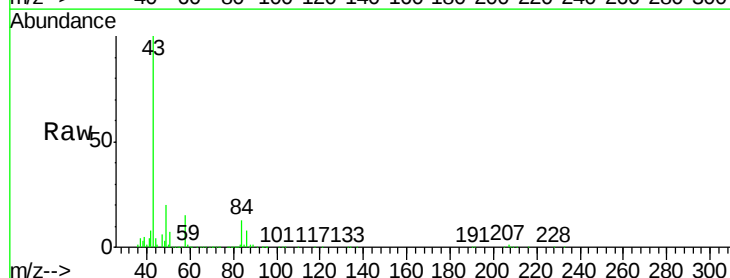
RT: 2.33 min Scan# 182

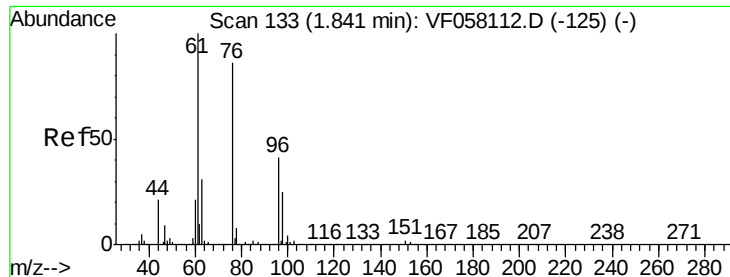
Delta R.T. -0.01 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 249516 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 14.9  | 14.4  | 21.6   |





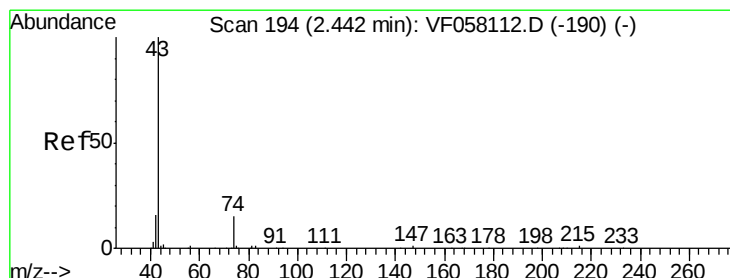
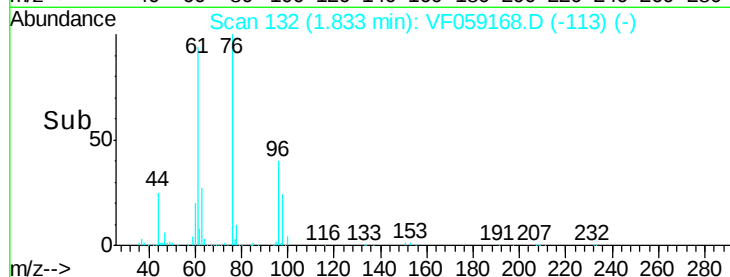
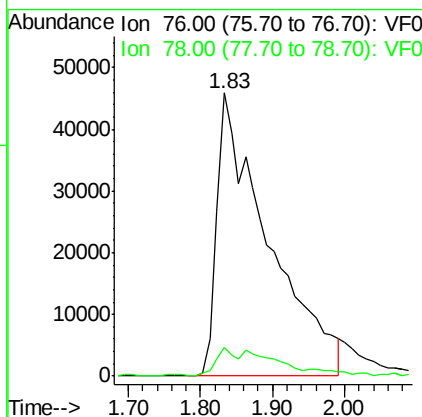
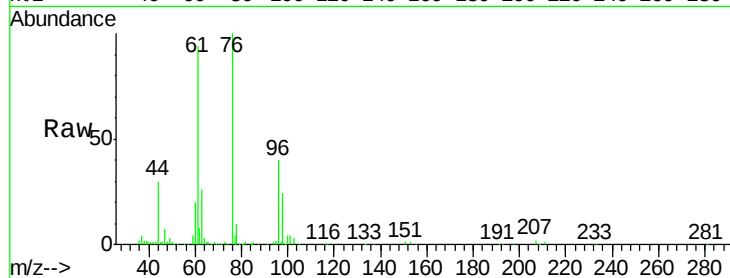
#17  
Carbon Disulfide  
Concen: 42.115 ug/l  
RT: 1.83 min Scan# 132  
Delta R.T. -0.01 min  
Lab File: VF059168.D  
Acq: 18 Jun 2018 11:22

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 10.3  | 7.8   | 11.8  |

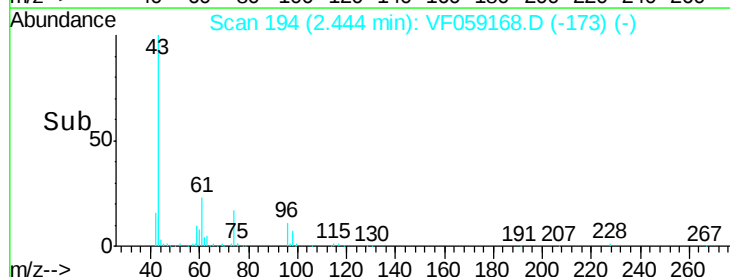
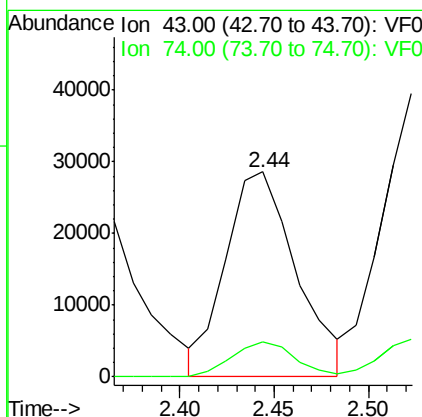
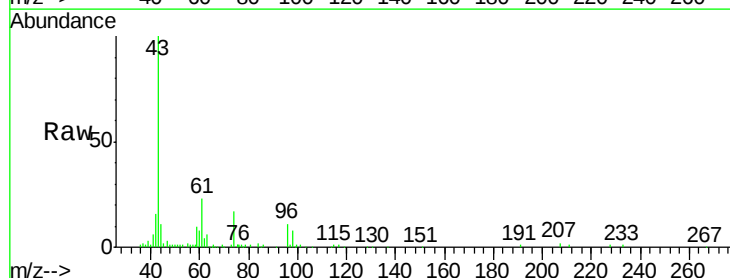
Manual Integrations  
APPROVED

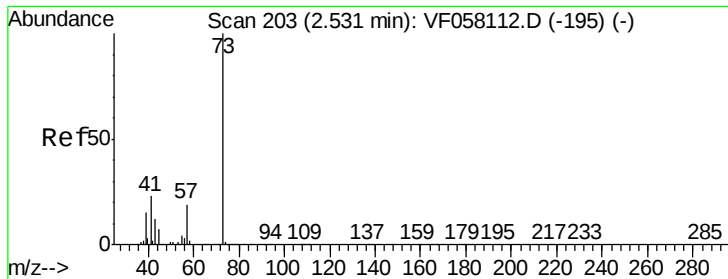
apatel  
6/19/2018 3:33:29 PM



#18  
Methyl Acetate  
Concen: 52.000 ug/l m  
RT: 2.44 min Scan# 194  
Delta R.T. 0.00 min  
Lab File: VF059168.D  
Acq: 18 Jun 2018 11:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 16.9  | 10.9  | 16.3# |





#19

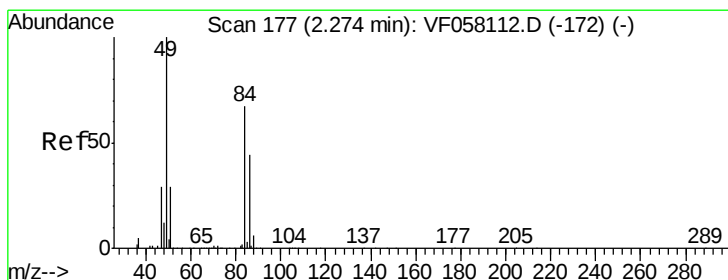
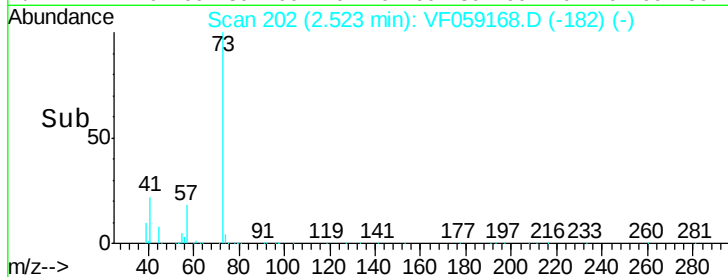
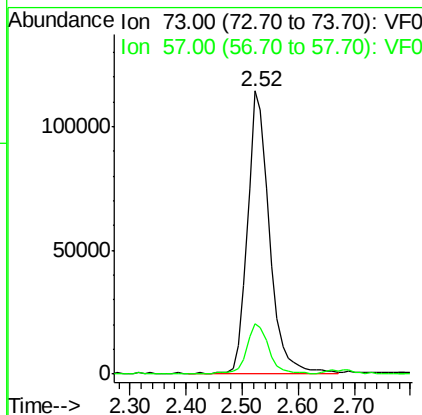
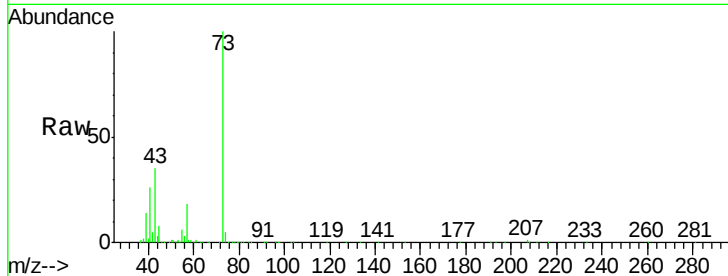
Methyl tert-butyl Ether  
 Concen: 52.215 ug/l  
 RT: 2.52 min Scan# 202  
 Delta R.T. -0.01 min  
 Lab File: VF059168.D  
 Acq: 18 Jun 2018 11:22

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 17.7  | 15.0  | 22.4  |

Manual Integrations  
 APPROVED

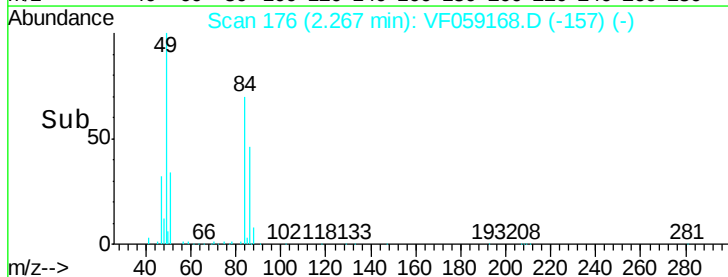
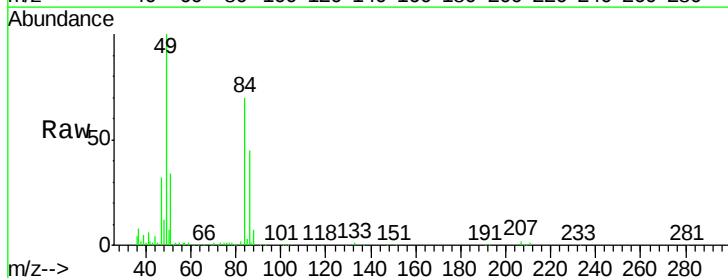
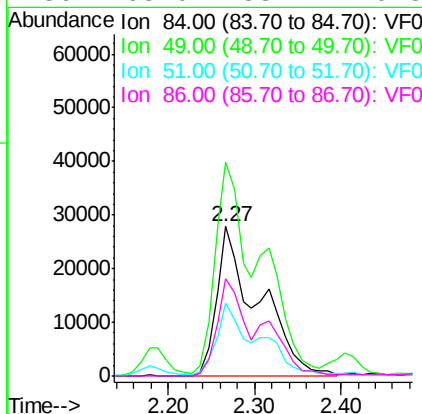
apatel  
 6/19/2018 3:33:29 PM

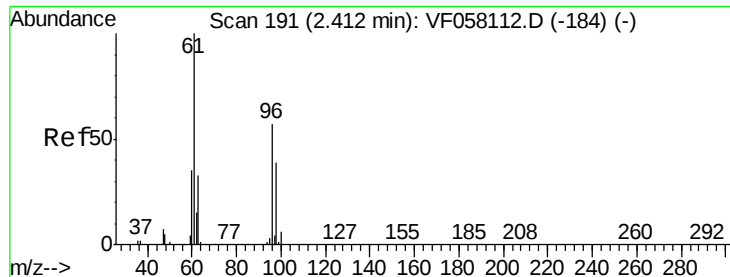


#20

Methylene Chloride  
 Concen: 46.471 ug/l m  
 RT: 2.27 min Scan# 176  
 Delta R.T. -0.01 min  
 Lab File: VF059168.D  
 Acq: 18 Jun 2018 11:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 143.0 | 121.0 | 181.4 |
| 51      | 48.7  | 35.8  | 53.6  |
| 86      | 65.0  | 53.2  | 79.8  |





#21

trans-1,2-Dichloroethene

Concen: 43.582 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

Instrument :

MSVOA\_F

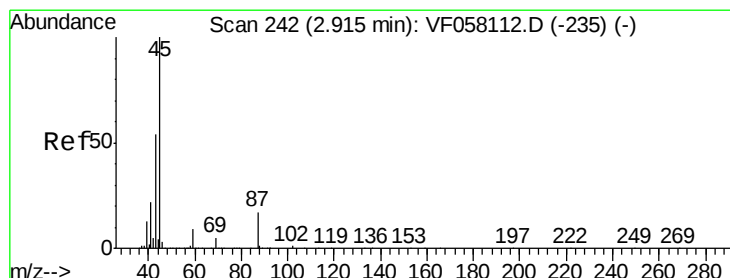
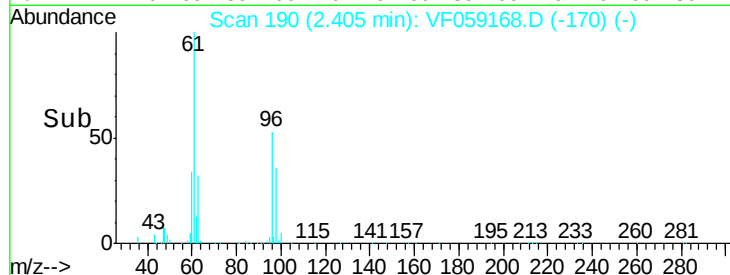
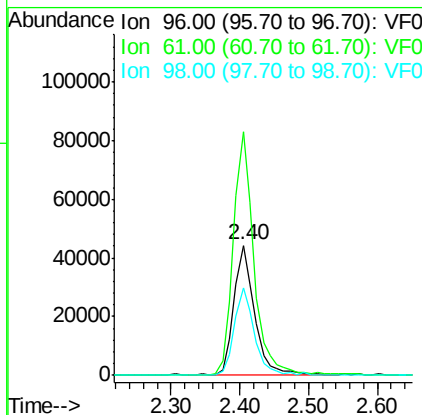
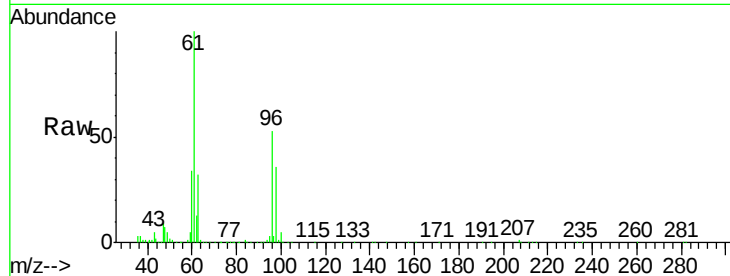
ClientSampleId :

VSTDCCC050

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 96    | Resp: | 91037 |
| Ion Ratio | Lower | Upper |       |
| 96        | 100   |       |       |
| 61        | 187.5 | 139.4 | 209.2 |
| 98        | 67.3  | 54.0  | 81.0  |

Manual Integrations  
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apatel  
6/19/2018 3:33:29 PM



#22

Diisopropyl ether

Concen: 49.098 ug/l

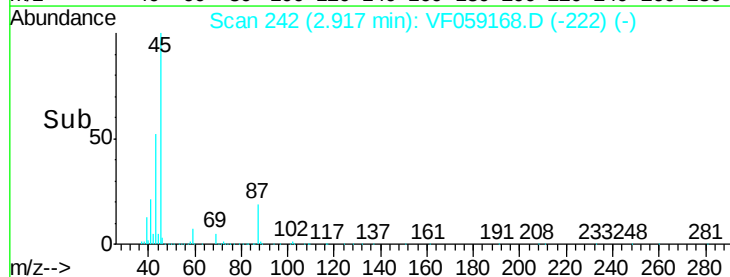
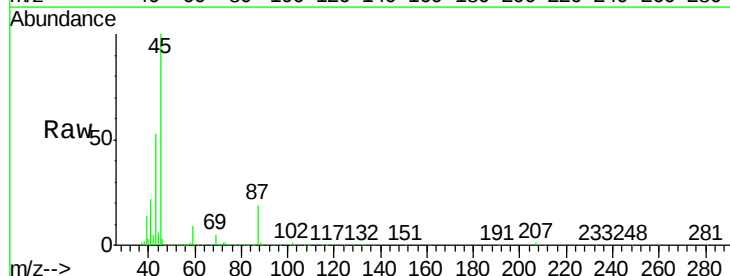
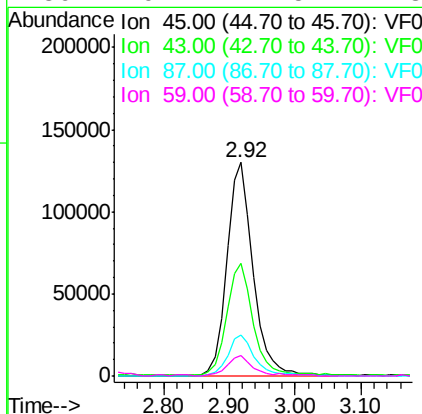
RT: 2.92 min Scan# 242

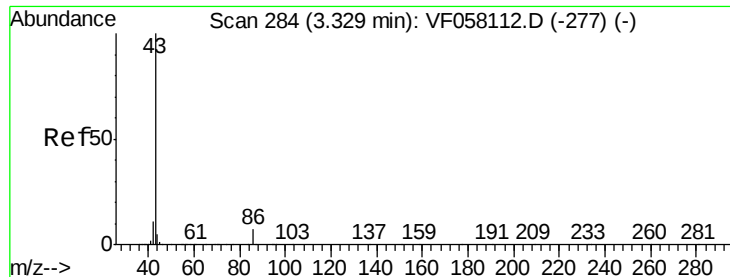
Delta R.T. 0.00 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 360805 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 43        | 53.0  | 43.2  | 64.8   |
| 87        | 19.1  | 13.8  | 20.6   |
| 59        | 9.4   | 7.5   | 11.3   |





#23

Vinyl Acetate

Concen: 265.018 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.01 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1284087

Ion Ratio Lower Upper

43 100

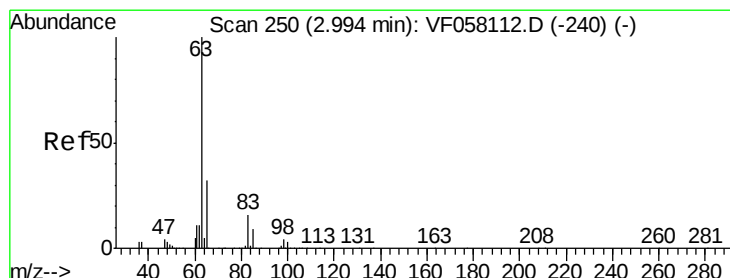
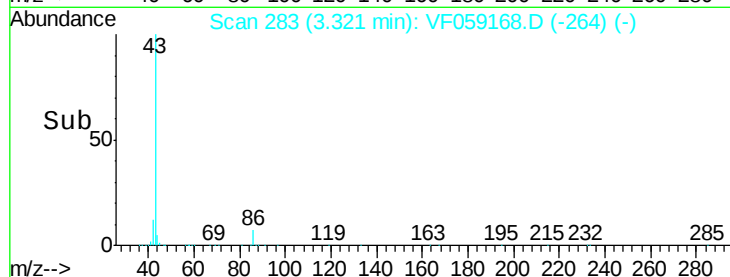
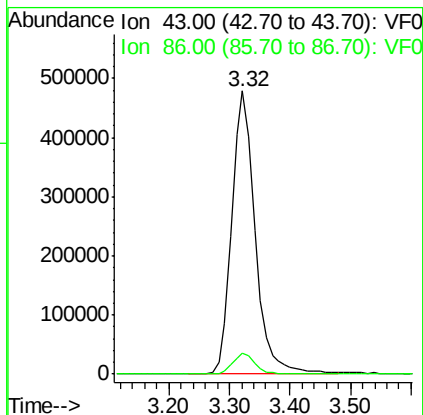
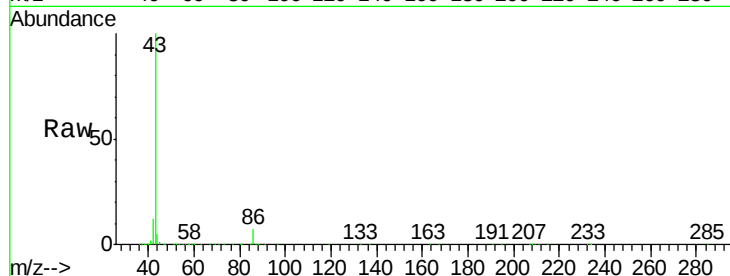
86 7.3 6.0 9.0

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#24

1,1-Dichloroethane

Concen: 47.496 ug/l

RT: 3.00 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

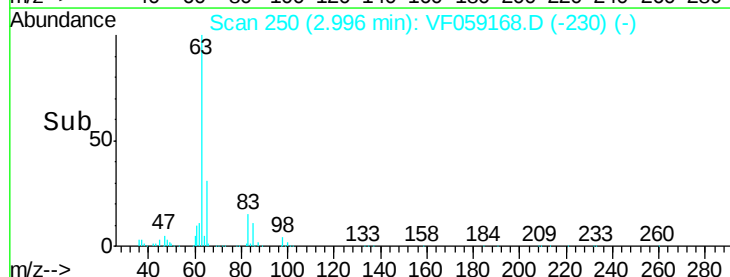
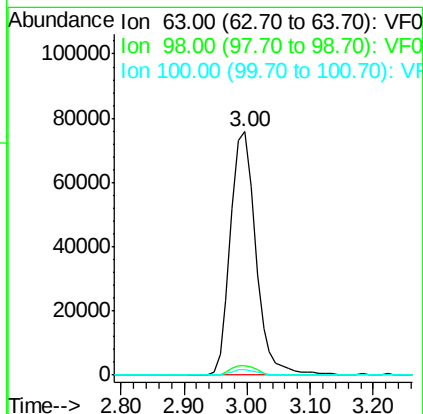
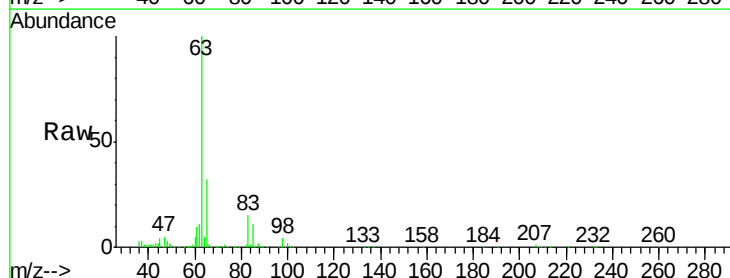
Tgt Ion: 63 Resp: 211604

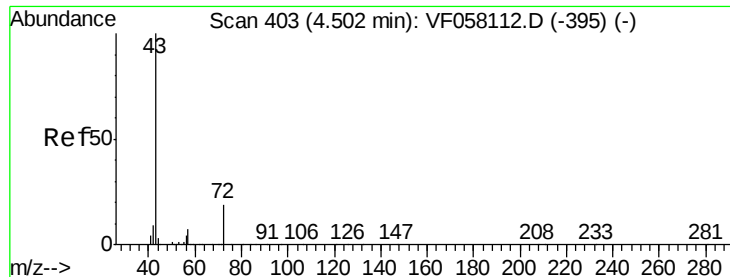
Ion Ratio Lower Upper

63 100

98 3.6 2.0 6.0

100 2.4 1.4 4.0





#25

2-Butanone

Concen: 252.658 ug/l

RT: 4.49 min Scan# 402

Delta R.T. -0.01 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 327868

Ion Ratio Lower Upper

43 100

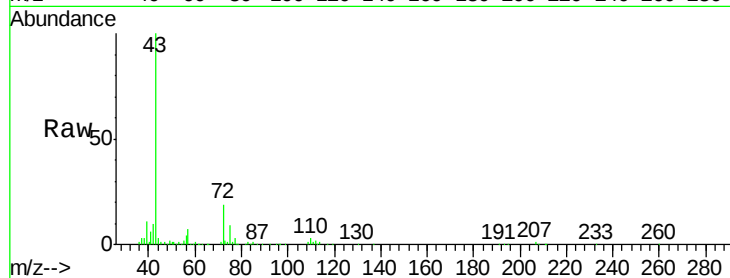
72 19.4 16.1 24.1

Manual Integrations

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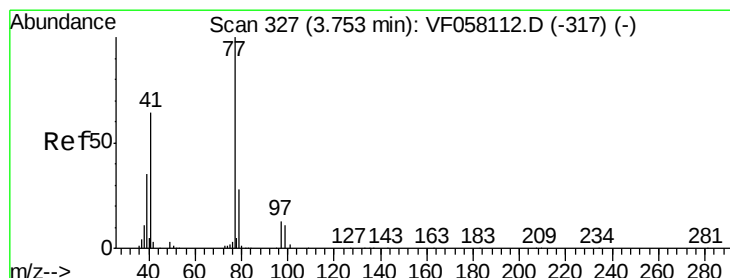
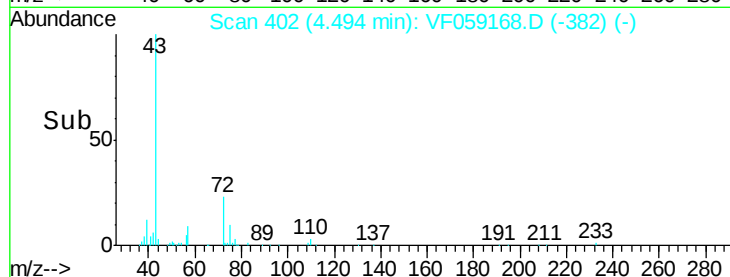
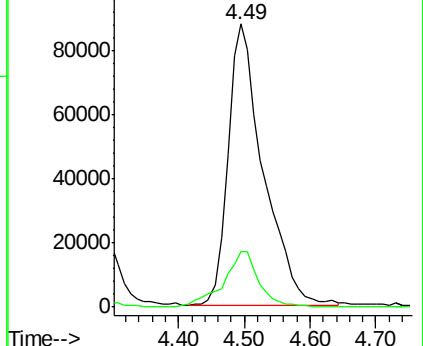
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 54.425 ug/l

RT: 3.76 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF059168.D

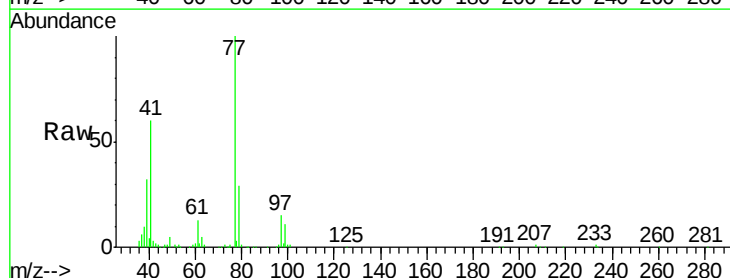
Acq: 18 Jun 2018 11:22

Tgt Ion: 77 Resp: 175908

Ion Ratio Lower Upper

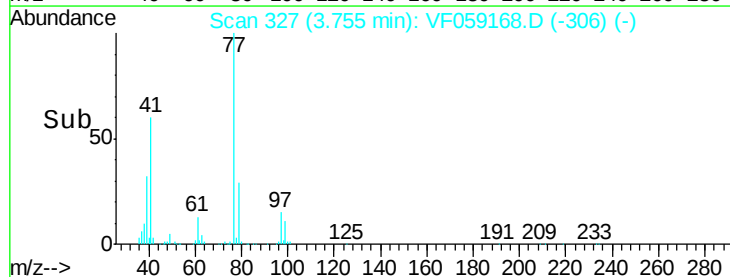
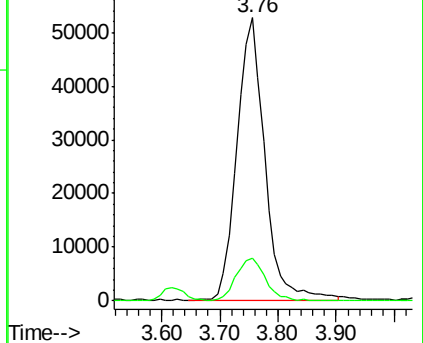
77 100

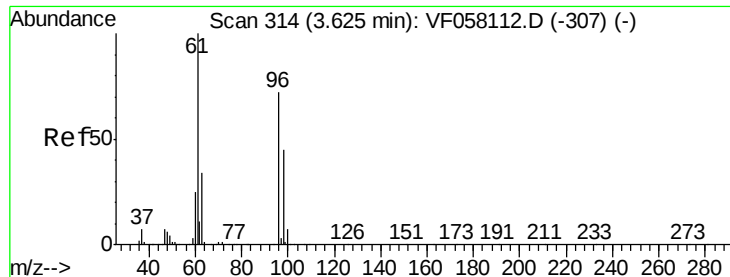
97 15.3 7.2 21.6



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

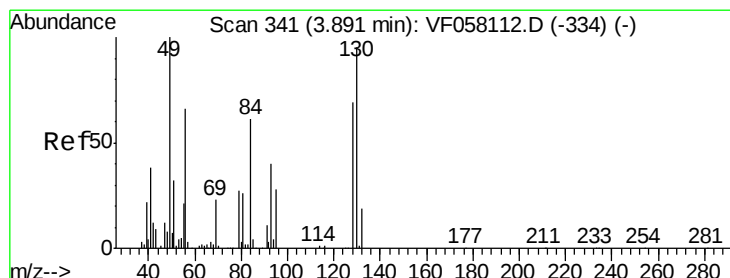
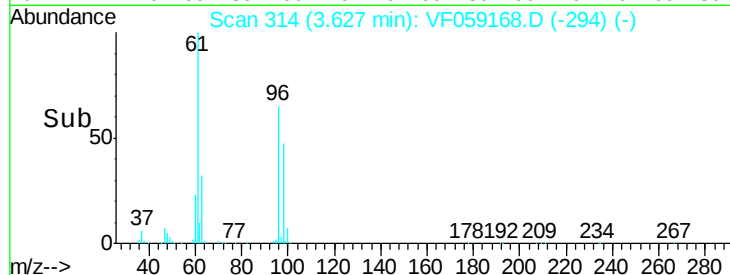
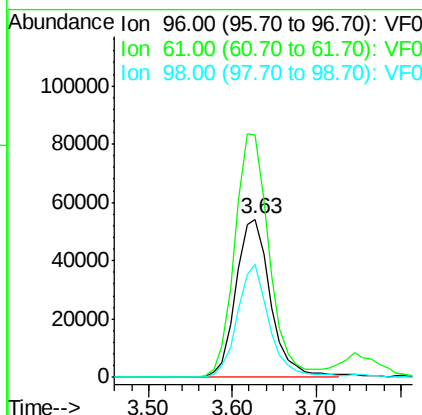
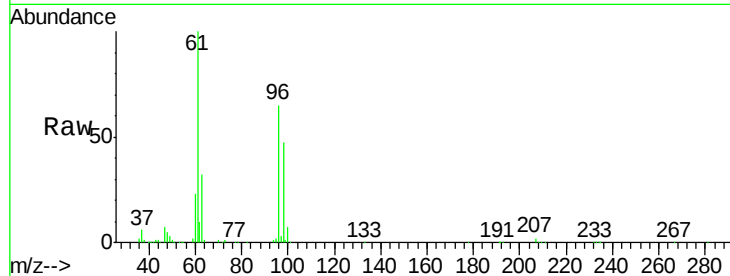
cis-1,2-Dichloroethene  
Concen: 48.793 ug/l  
RT: 3.63 min Scan# 314  
Delta R.T. 0.00 min  
Lab File: VF059168.D  
Acq: 18 Jun 2018 11:22

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 156865 |       |       |
| 61      | 152.8 | 0.0    | 278.6 |       |
| 98      | 71.7  | 0.0    | 125.2 |       |

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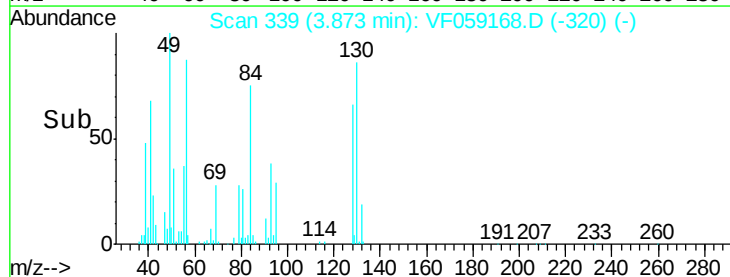
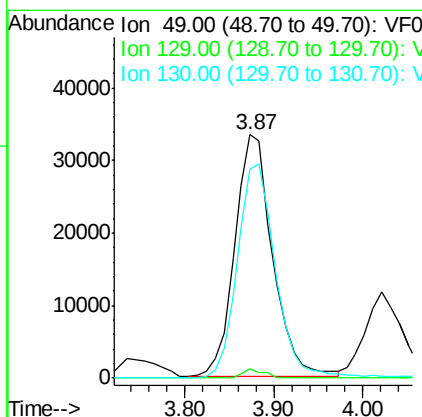
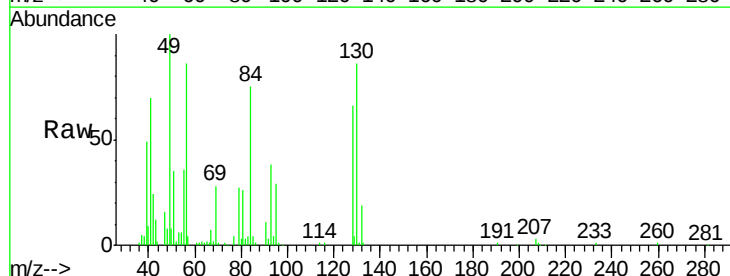
apatel  
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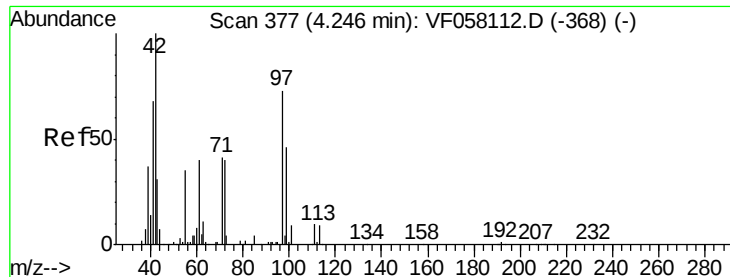


#28

Bromochloromethane  
Concen: 49.424 ug/l  
RT: 3.87 min Scan# 339  
Delta R.T. -0.02 min  
Lab File: VF059168.D  
Acq: 18 Jun 2018 11:22

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 49      | 100   | 99108 |       |       |
| 129     | 3.6   | 0.0   | 0.0#  |       |
| 130     | 85.9  | 75.8  | 113.8 |       |





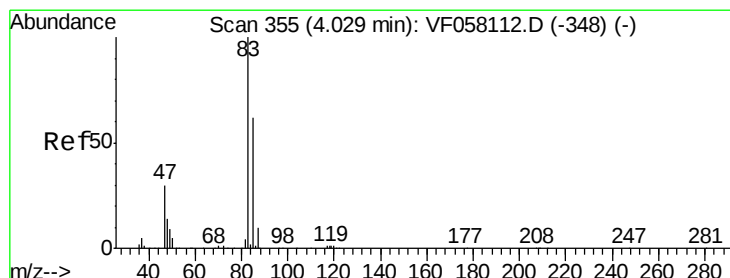
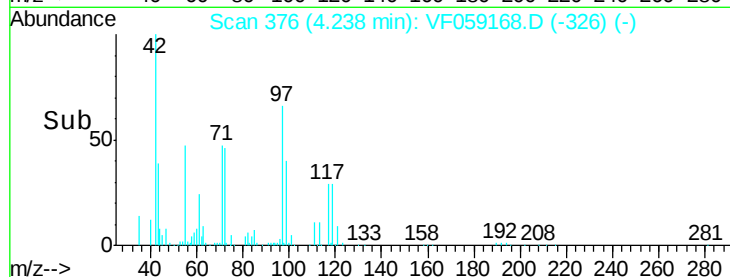
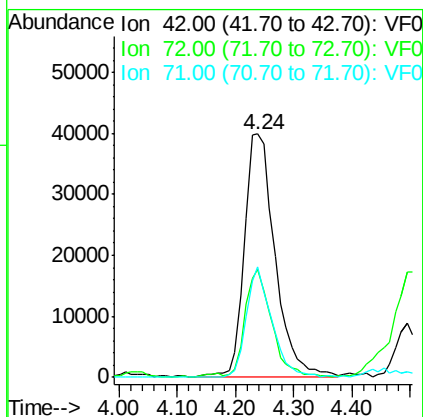
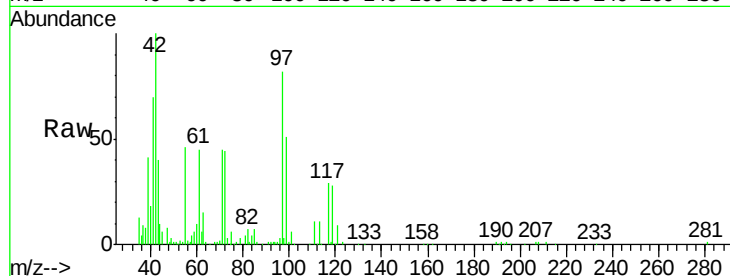
#29  
Tetrahydrofuran  
Concen: 254.731 ug/l  
RT: 4.24 min Scan# 376  
Delta R.T. -0.01 min  
Lab File: VF059168.D  
Acq: 18 Jun 2018 11:22

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 38.6  | 30.5  | 45.7  |
| 71      | 38.1  | 31.5  | 47.3  |

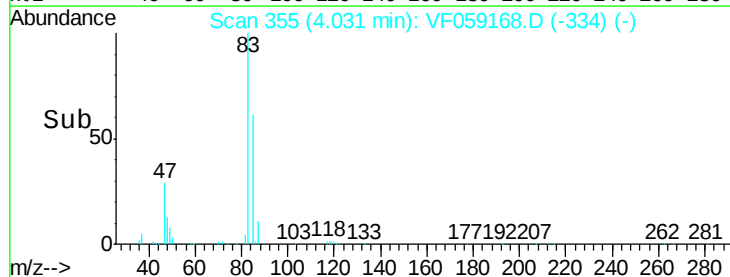
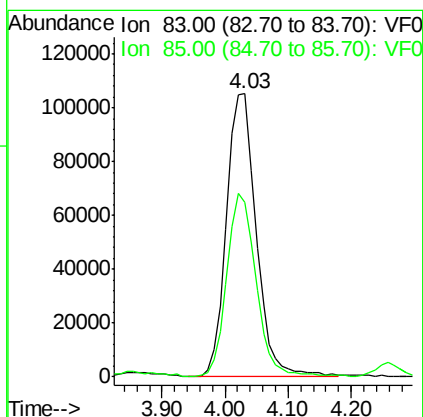
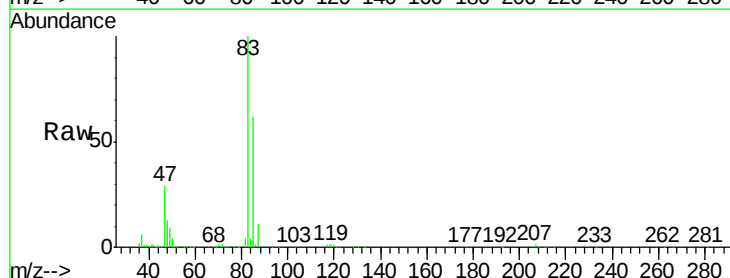
Manual Integrations  
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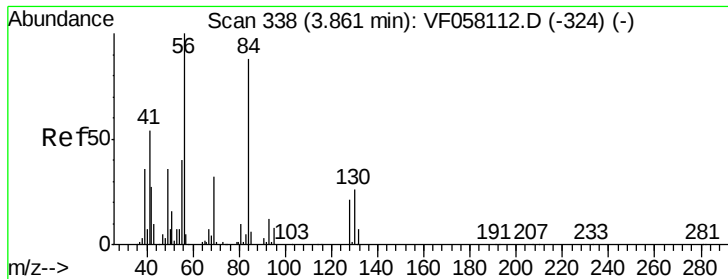
apatel  
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#30  
Chloroform  
Concen: 53.758 ug/l  
RT: 4.03 min Scan# 355  
Delta R.T. 0.00 min  
Lab File: VF059168.D  
Acq: 18 Jun 2018 11:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 61.5  | 49.5  | 74.3  |





#31

Cyclohexane

Concen: 46.453 ug/l

RT: 3.85 min Scan# 337

Delta R.T. -0.01 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

Instrument :

MSVOA\_F

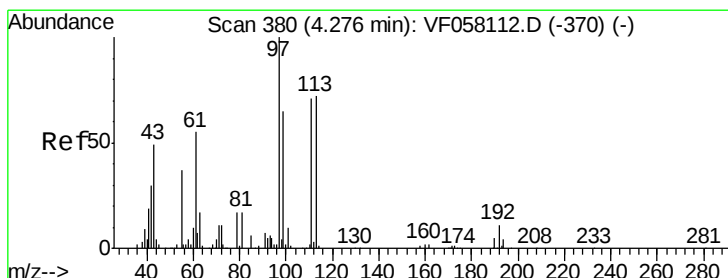
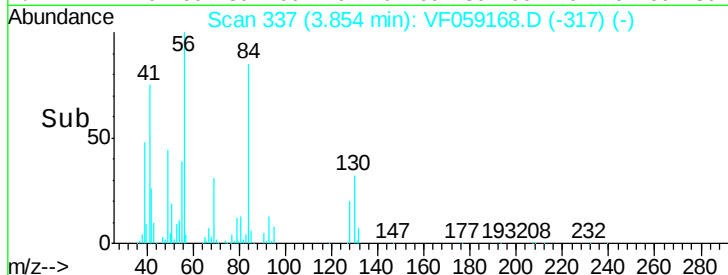
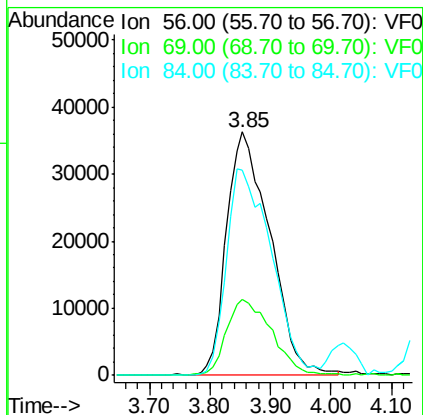
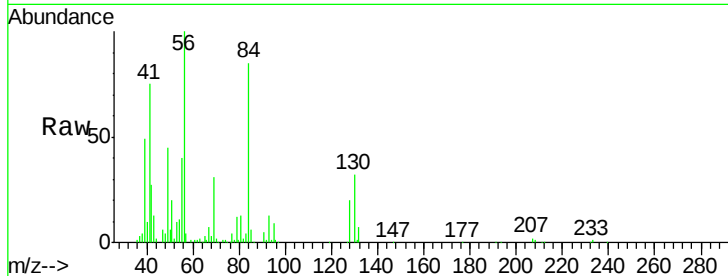
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 56    | Resp: | 180792 |
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 69        | 31.0  | 25.9  | 38.9   |
| 84        | 84.5  | 70.3  | 105.5  |

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#32

1,1,1-Trichloroethane

Concen: 53.375 ug/l

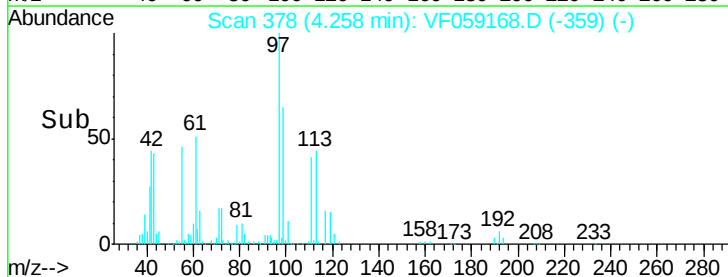
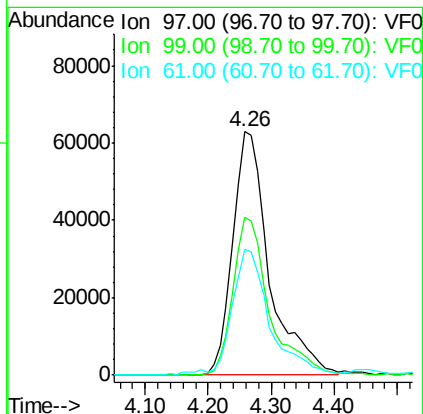
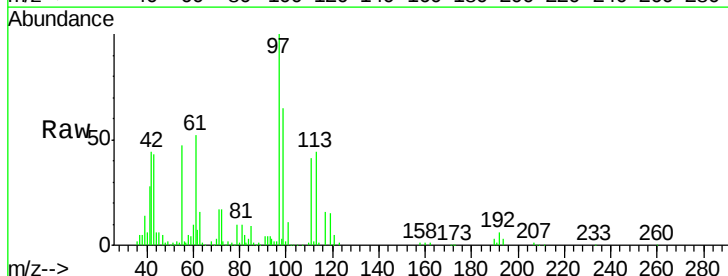
RT: 4.26 min Scan# 378

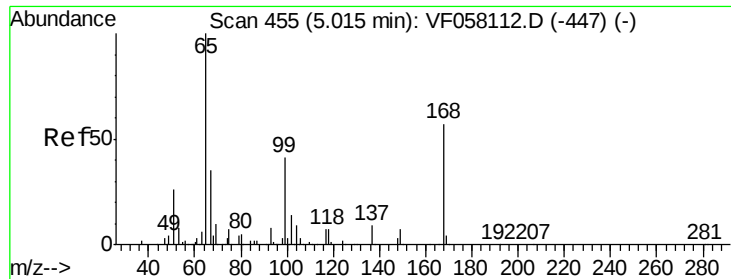
Delta R.T. -0.02 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 97    | Resp: | 253959 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 99        | 64.7  | 52.0  | 78.0   |
| 61        | 51.5  | 44.3  | 66.5   |





#33

1,2-Dichloroethane-d4

Concen: 52.269 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.01 min

Lab File: VF059168.D

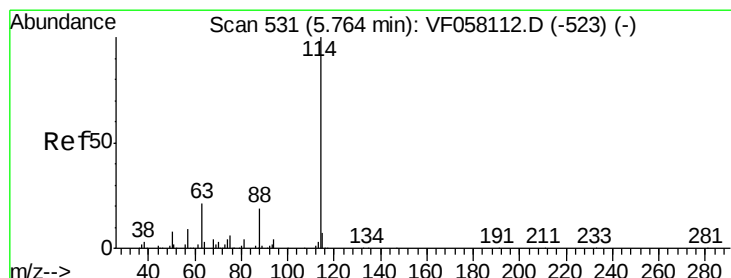
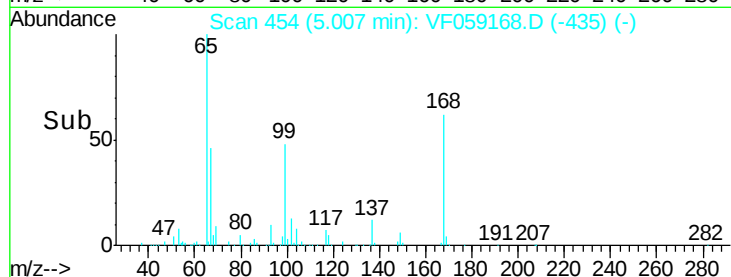
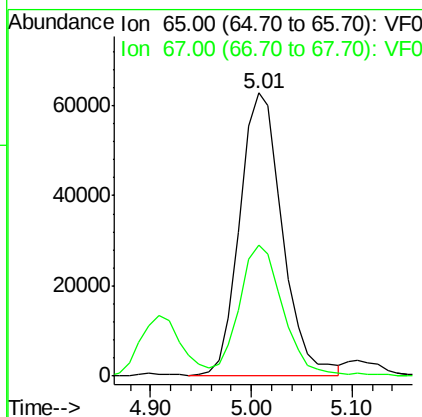
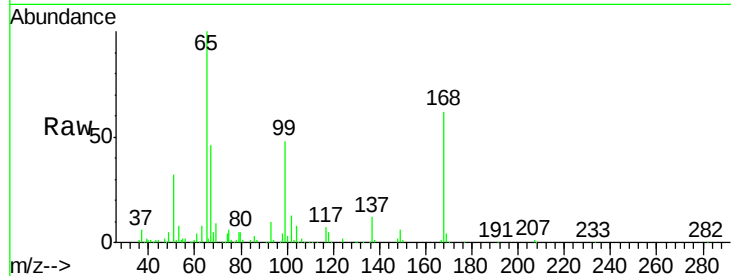
Acq: 18 Jun 2018 11:22

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 183242 |       |       |
| 67      | 46.1  | 0.0    | 97.0  |       |

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

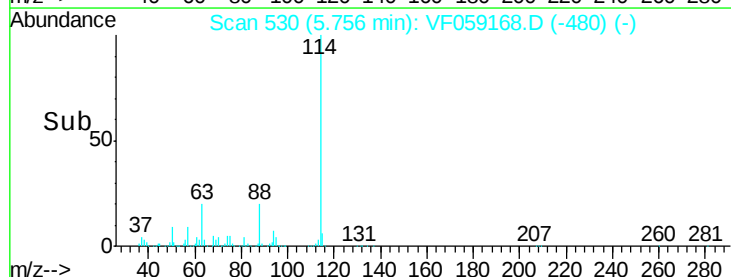
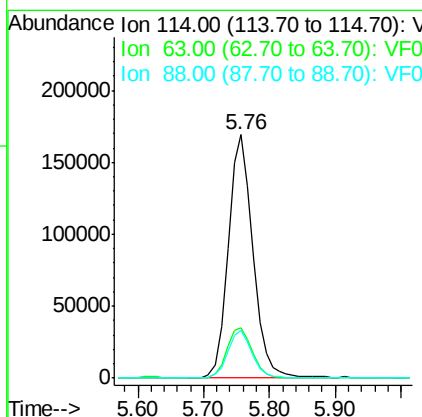
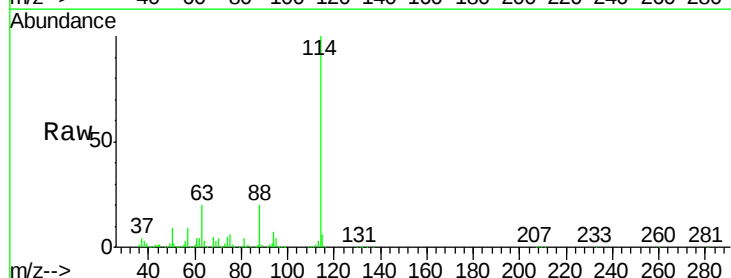
RT: 5.76 min Scan# 530

Delta R.T. -0.01 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 444910 |       |       |
| 63      | 20.5  | 0.0    | 41.6  |       |
| 88      | 19.6  | 0.0    | 38.8  |       |





#35

Dibromofluoromethane

Concen: 54.047 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.02 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

Instrument :

MSVOA\_F

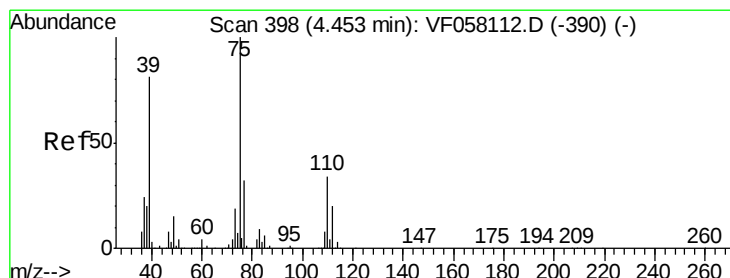
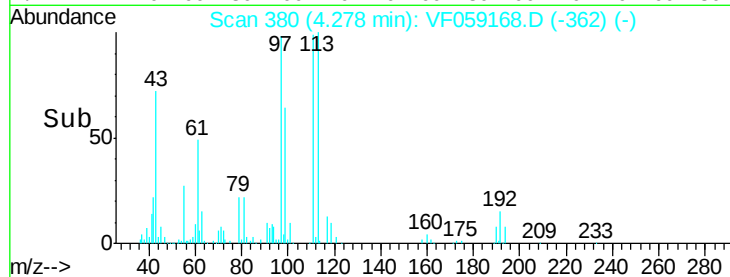
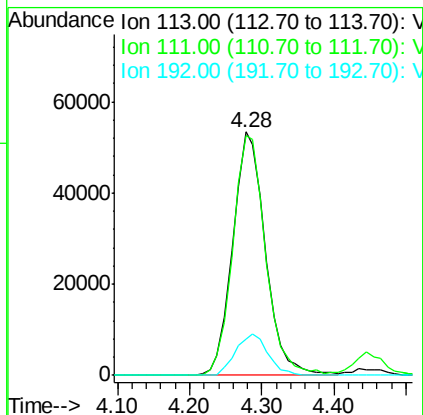
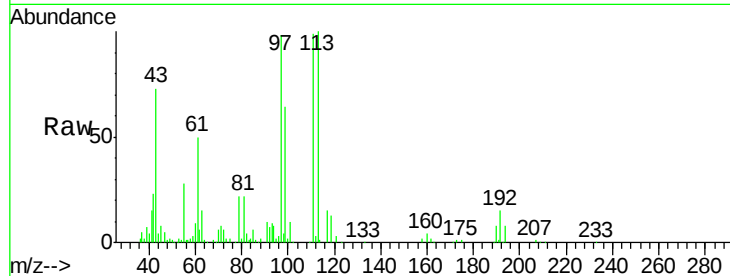
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 168725 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 98.6  | 81.3  | 121.9  |
| 192       | 14.8  | 12.7  | 19.1   |

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#36

1,1-Dichloropropene

Concen: 53.829 ug/l

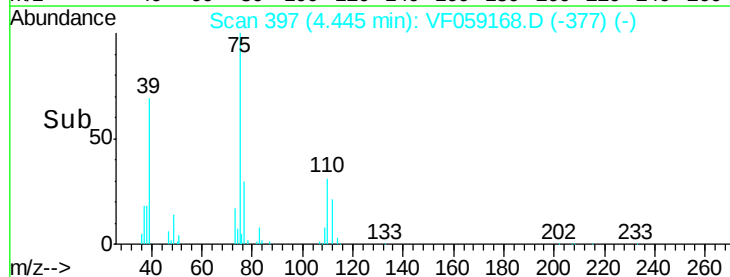
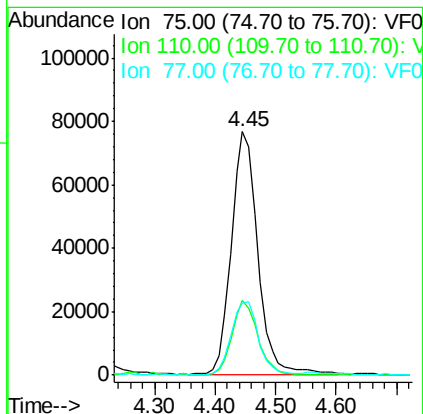
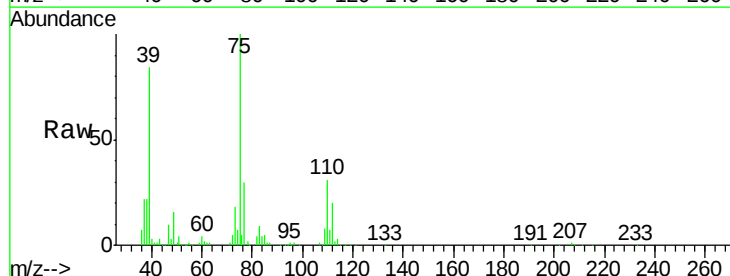
RT: 4.45 min Scan# 397

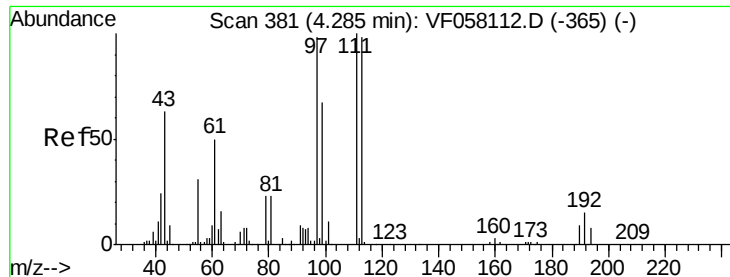
Delta R.T. -0.01 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 232135 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 30.9  | 17.0  | 50.9   |
| 77        | 29.7  | 25.3  | 37.9   |





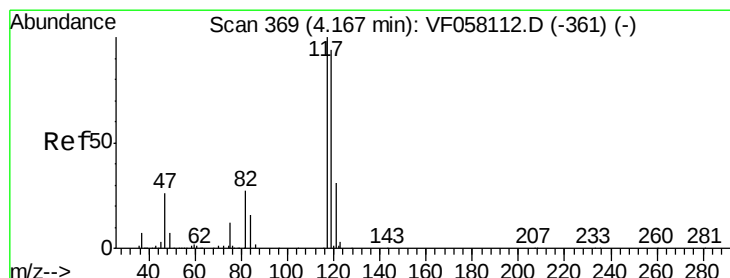
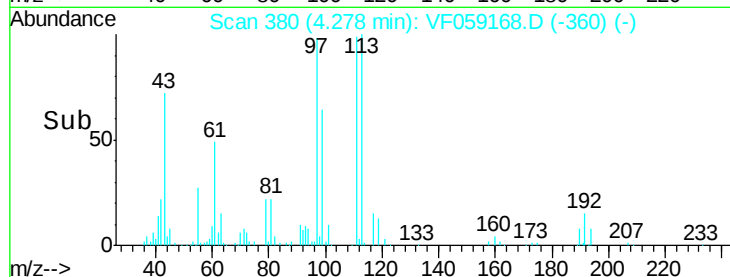
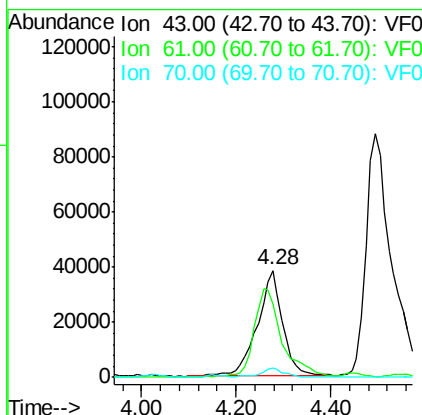
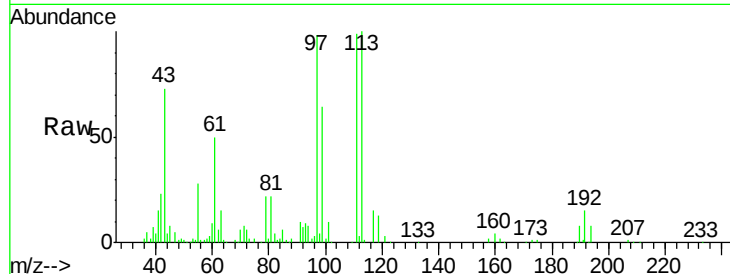
#37  
Ethyl Acetate  
Concen: 54.091 ug/l  
RT: 4.28 min Scan# 380  
Delta R.T. -0.01 min  
Lab File: VF059168.D  
Acq: 18 Jun 2018 11:22

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | 43  | 61   | 70  | Ratio | Lower | Upper |
|---------|-----|------|-----|-------|-------|-------|
| 144133  | 100 | 68.3 | 8.6 |       | 63.0  | 11.3  |

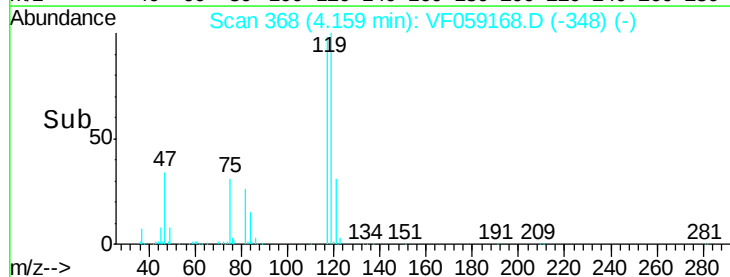
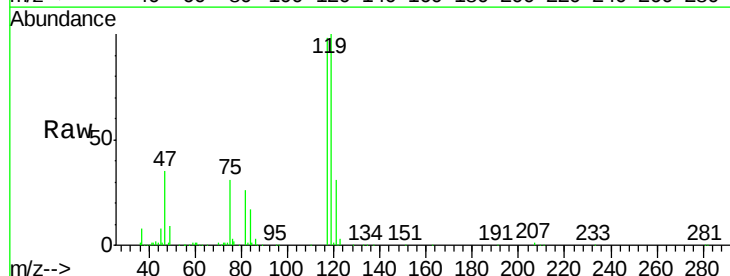
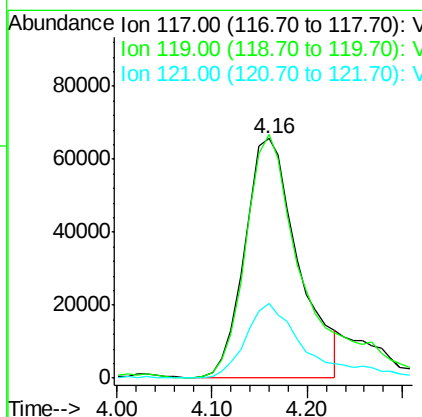
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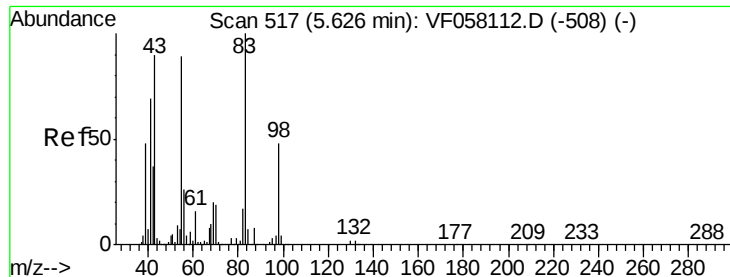
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#38  
Carbon Tetrachloride  
Concen: 54.797 ug/l m  
RT: 4.16 min Scan# 368  
Delta R.T. -0.01 min  
Lab File: VF059168.D  
Acq: 18 Jun 2018 11:22

| Tgt Ion | 117 | 119   | 121  | Ratio | Lower | Upper |
|---------|-----|-------|------|-------|-------|-------|
| 256109  | 100 | 101.7 | 31.1 |       | 75.7  | 37.2  |





#39

Methvlcvclohexane

Concen: 50.580 ug/l

RT: 5.61 min Scan# 515

Delta R.T. -0.02 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

Instrument :

MSVOA\_F

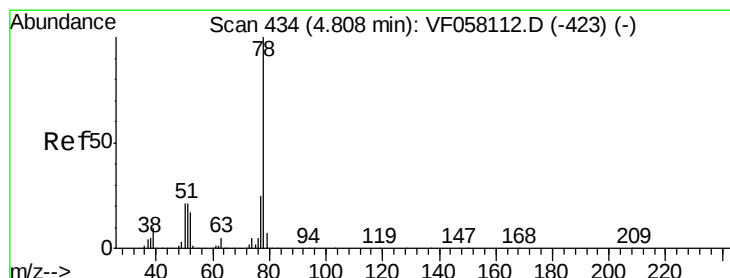
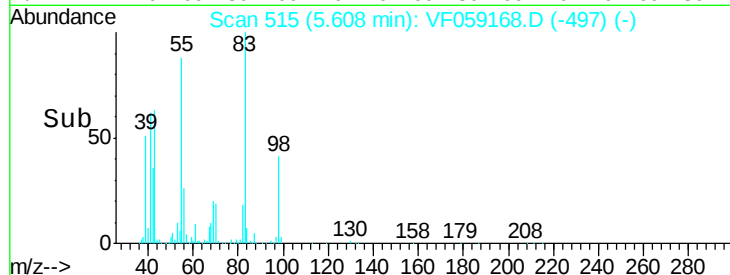
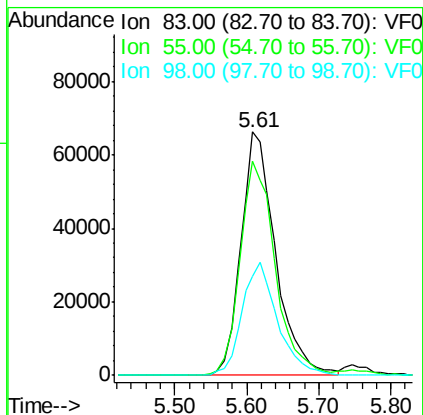
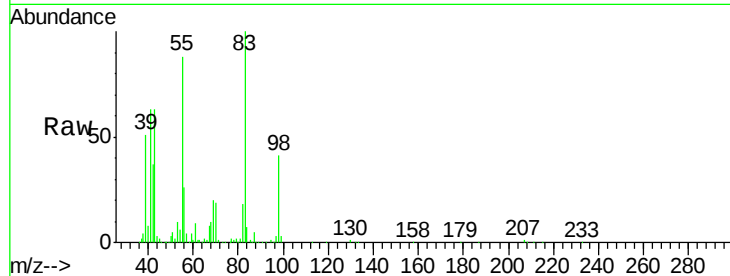
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 222340 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 55       | 88.1  | 71.0  | 106.4  |
| 98       | 40.9  | 38.1  | 57.1   |

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#40

Benzene

Concen: 52.297 ug/l

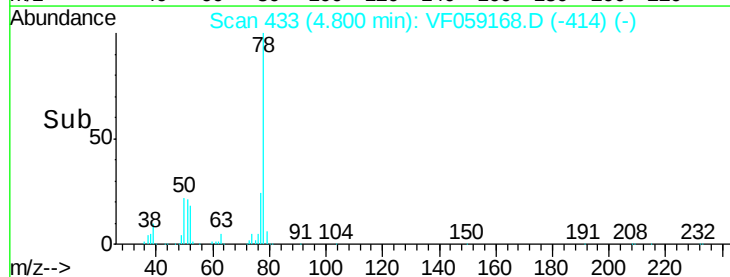
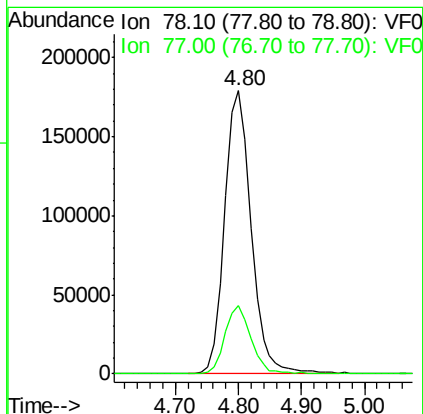
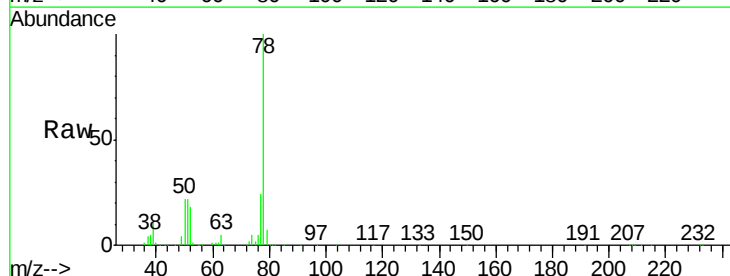
RT: 4.80 min Scan# 433

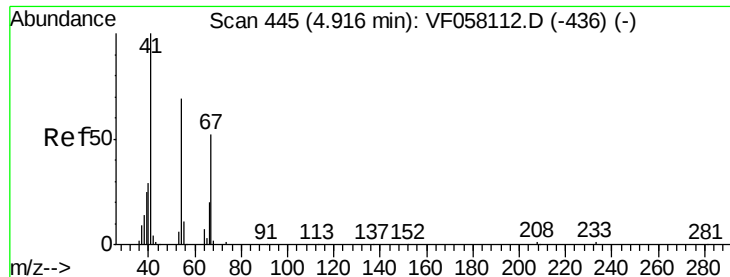
Delta R.T. -0.01 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 78    | Resp: | 523475 |
| Ion      | Ratio | Lower | Upper  |
| 78       | 100   |       |        |
| 77       | 24.2  | 20.2  | 30.2   |





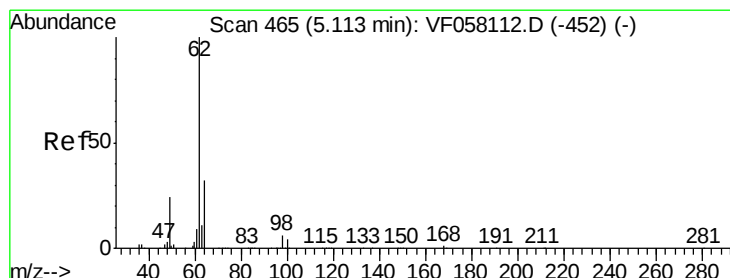
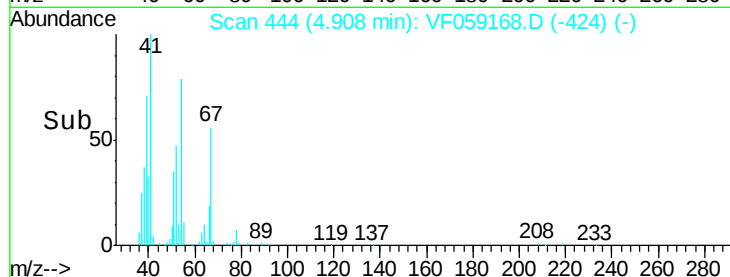
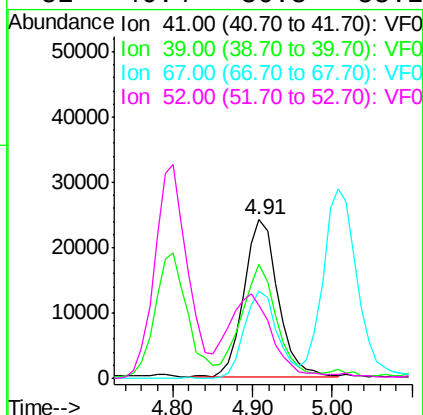
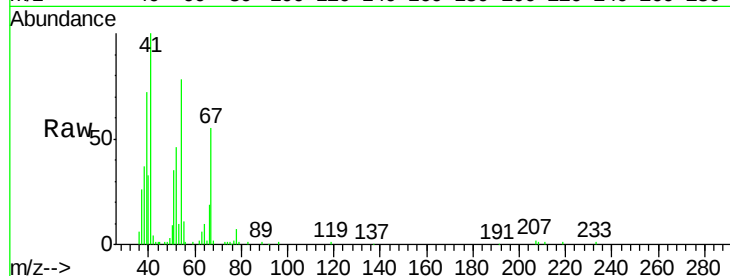
#41  
Methacrylonitrile  
Concen: 54.703 ug/l  
RT: 4.91 min Scan# 444  
Delta R.T. -0.01 min  
Lab File: VF059168.D  
Acq: 18 Jun 2018 11:22

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 72.3 | 53.0  | 79.4  |       |
| 67      | 55.0 | 41.0  | 61.6  |       |
| 52      | 46.4 | 36.8  | 55.2  |       |

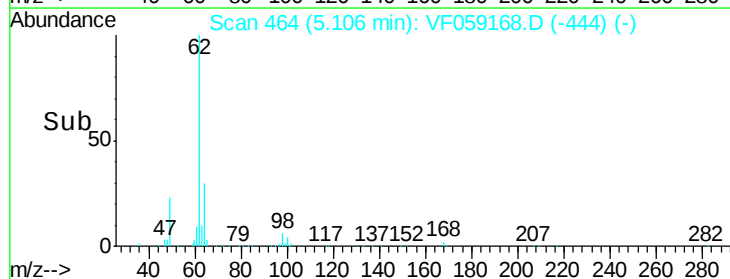
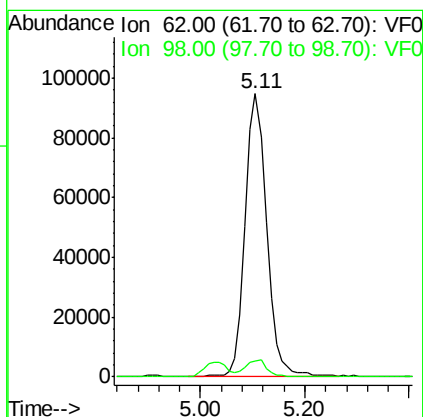
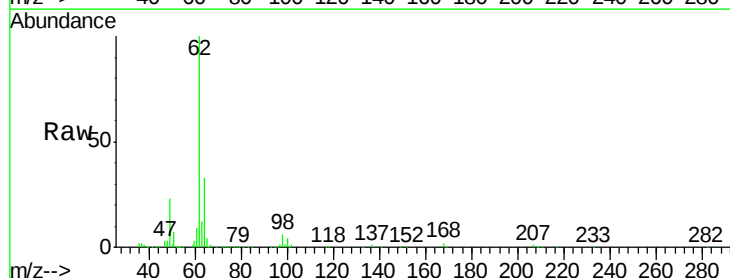
Manual Integrations  
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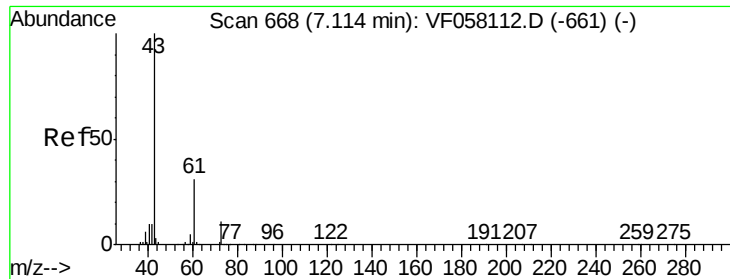
apatel  
6/19/2018 3:33:29 PM



#42  
1,2-Dichloroethane  
Concen: 58.938 ug/l  
RT: 5.11 min Scan# 464  
Delta R.T. -0.01 min  
Lab File: VF059168.D  
Acq: 18 Jun 2018 11:22

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 5.8 | 0.0   | 11.8  |       |





#43

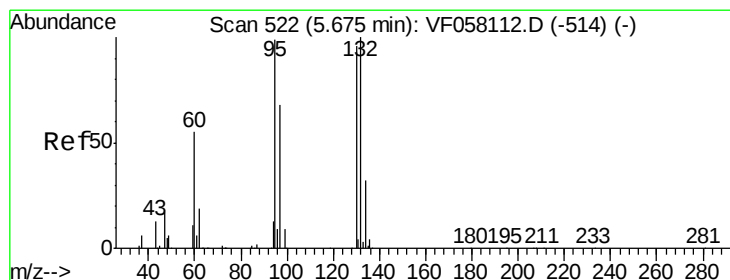
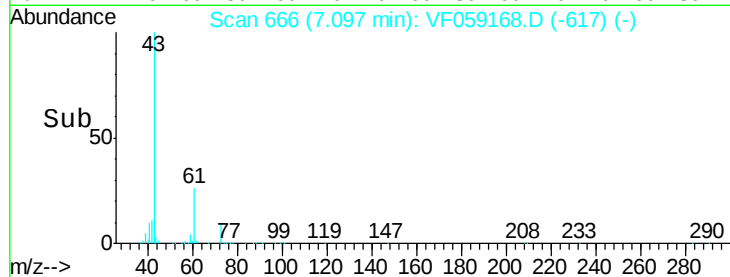
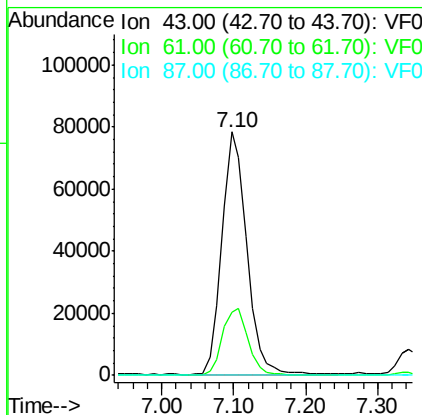
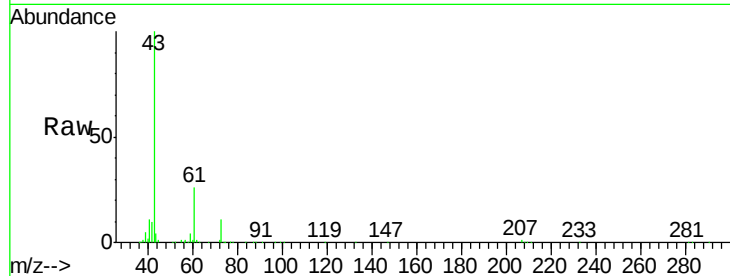
Isopropyl Acetate  
 Concen: 52.404 ug/l  
 RT: 7.10 min Scan# 666  
 Delta R.T. -0.02 min  
 Lab File: VF059168.D  
 Acq: 18 Jun 2018 11:22

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 26.1  | 25.1  | 37.7  |
| 87      | 0.4   | 0.2   | 0.4   |

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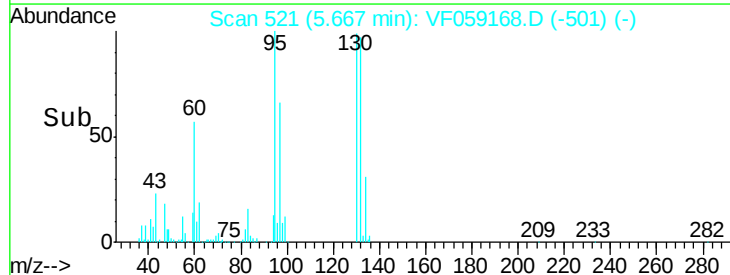
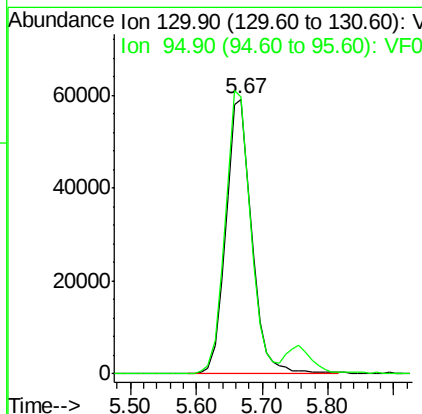
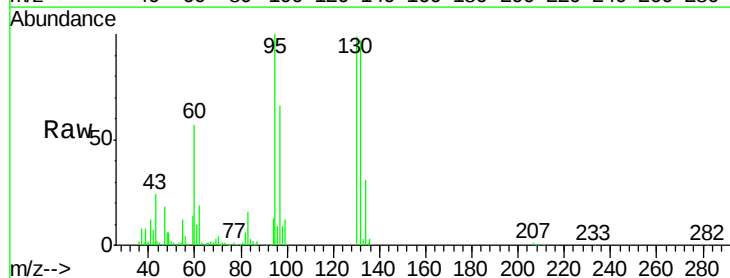
apatel  
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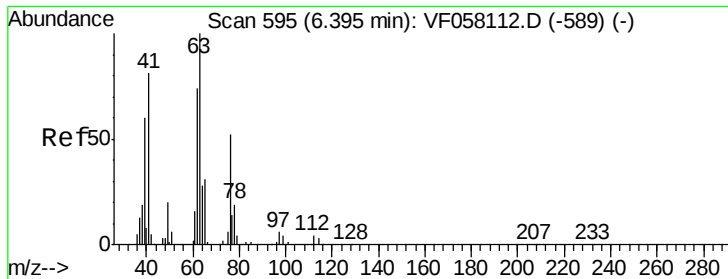


#44

Trichloroethene  
 Concen: 52.099 ug/l  
 RT: 5.67 min Scan# 521  
 Delta R.T. -0.01 min  
 Lab File: VF059168.D  
 Acq: 18 Jun 2018 11:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 100.6 | 0.0   | 206.8 |





#45

1,2-Dichloropropane

Concen: 50.760 ug/l

RT: 6.39 min Scan# 594

Delta R.T. -0.01 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 146502

Ion Ratio Lower Upper

63 100

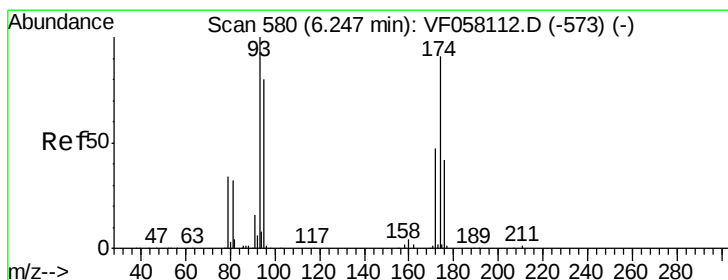
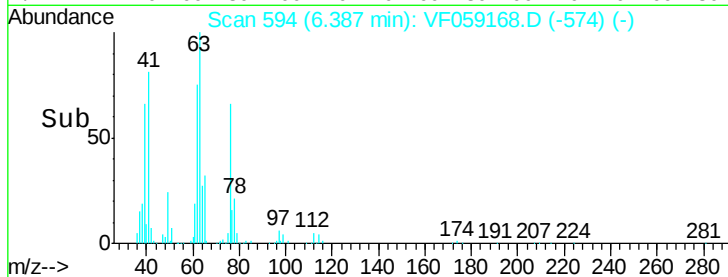
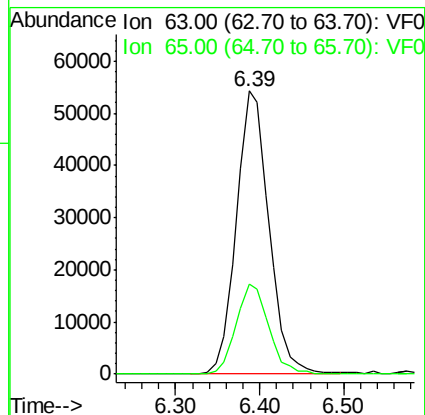
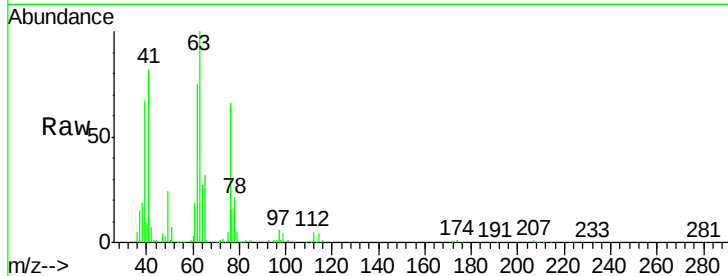
65 31.9 24.6 37.0

Manual Integrations

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#46

Dibromomethane

Concen: 54.435 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.01 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

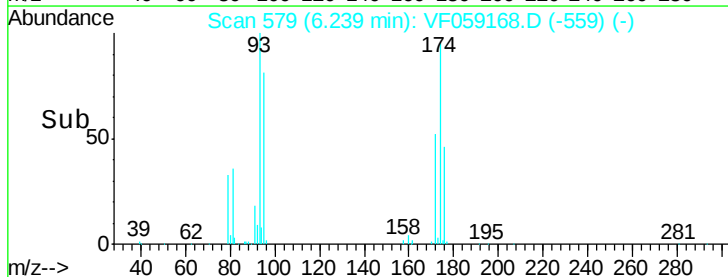
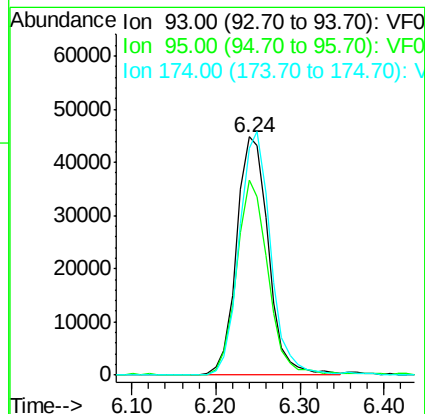
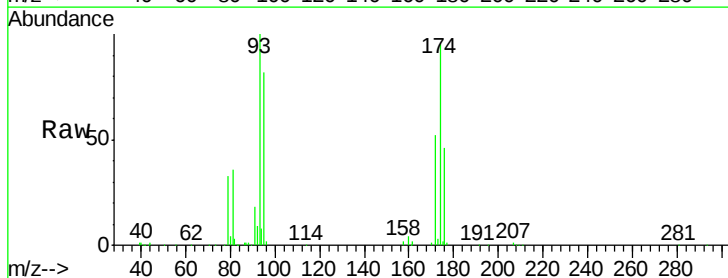
Tgt Ion: 93 Resp: 118207

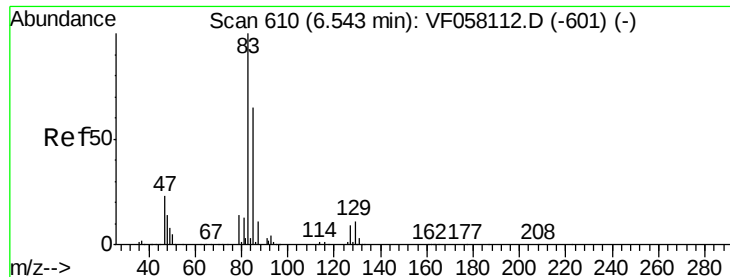
Ion Ratio Lower Upper

93 100

95 81.7 64.2 96.4

174 95.2 72.7 109.1





#47

Bromodichloromethane

Concen: 56.765 ug/l

RT: 6.53 min Scan# 609

Delta R.T. -0.01 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

Instrument :

MSVOA\_F

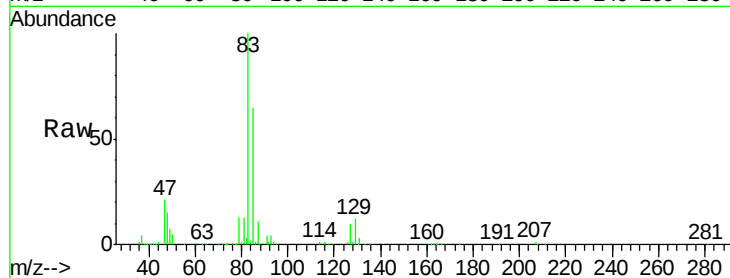
ClientSampleId :

VSTDCCC050

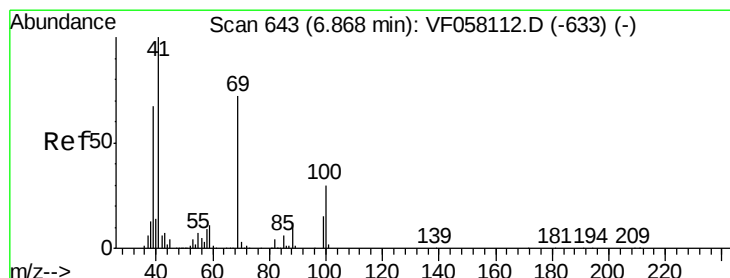
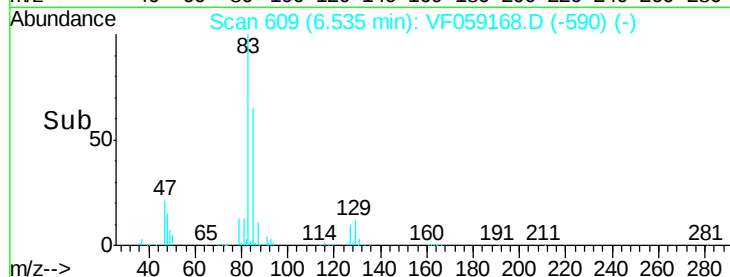
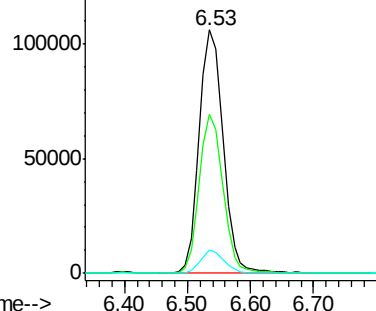
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 280425 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 65.5  | 51.6  | 77.4   |
| 127       | 9.6   | 7.2   | 10.8   |

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



#48

Methyl methacrylate

Concen: 58.246 ug/l

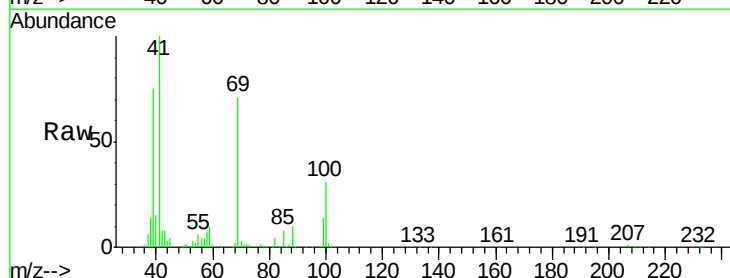
RT: 6.86 min Scan# 642

Delta R.T. -0.01 min

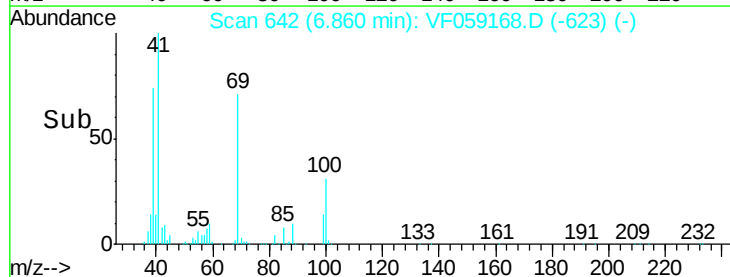
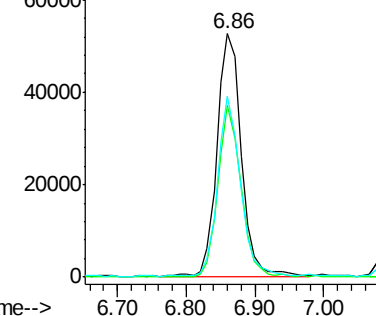
Lab File: VF059168.D

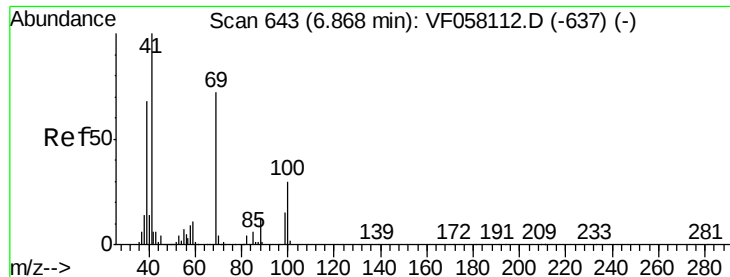
Acq: 18 Jun 2018 11:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 128137 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 70.6  | 57.2  | 85.8   |
| 39        | 74.5  | 54.3  | 81.5   |



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





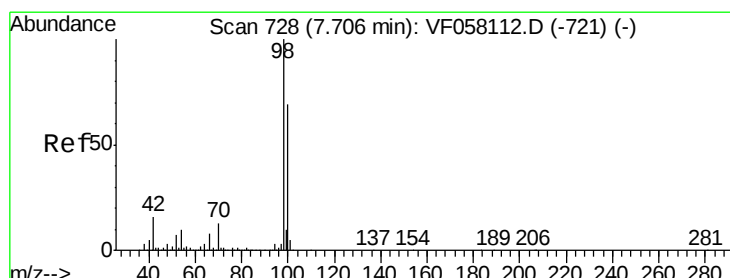
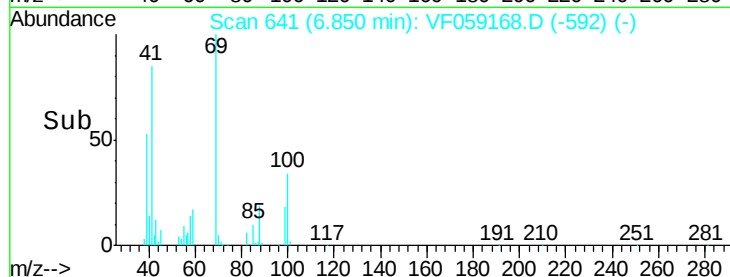
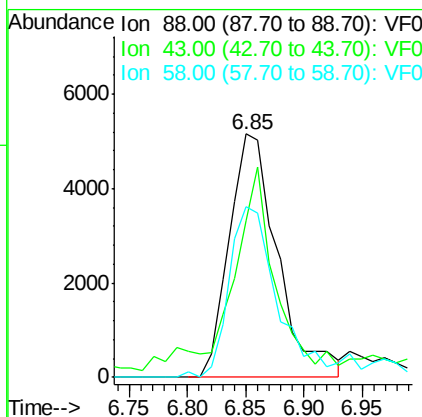
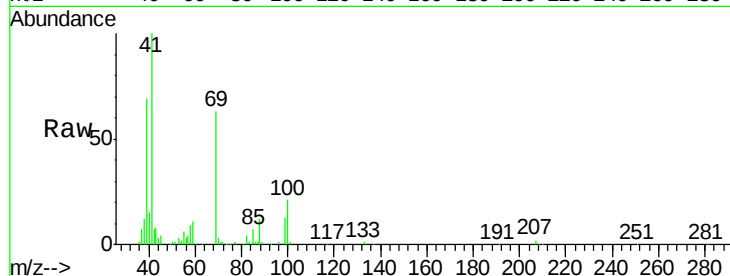
#49  
1,4-Dioxane  
Concen: 926.996 ug/l  
RT: 6.85 min Scan# 641  
Delta R.T. -0.02 min  
Lab File: VF059168.D  
Acq: 18 Jun 2018 11:22

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | 88    | Resp  | 14859 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 64.1  | 47.8  | 71.8  |
| 58      | 70.2  | 59.4  | 89.0  |

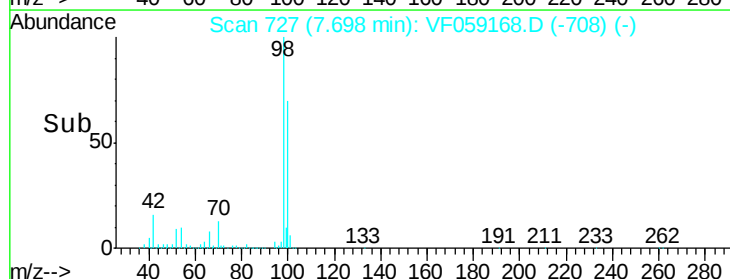
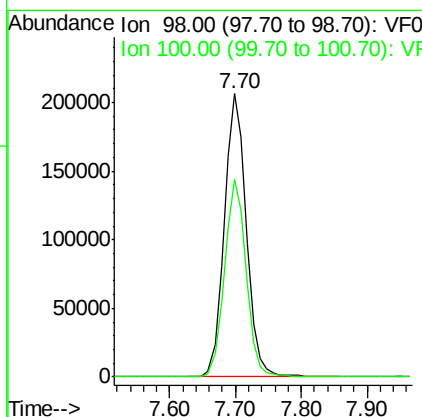
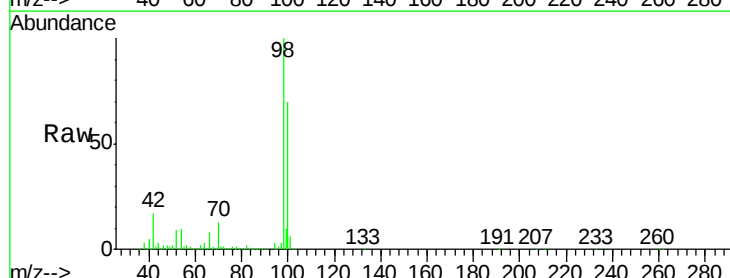
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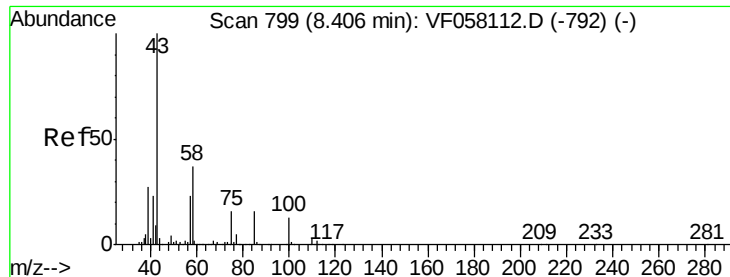
apatel  
6/19/2018 3:33:29 PM



#50  
Toluene-d8  
Concen: 52.738 ug/l  
RT: 7.70 min Scan# 727  
Delta R.T. -0.01 min  
Lab File: VF059168.D  
Acq: 18 Jun 2018 11:22

| Tgt Ion | 98    | Resp  | 483670 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 98      | 100   |       |        |
| 100     | 70.0  | 55.6  | 83.4   |





#51

4-Methyl-2-Pentanone

Concen: 270.158 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 660782

Ion Ratio Lower Upper

43 100

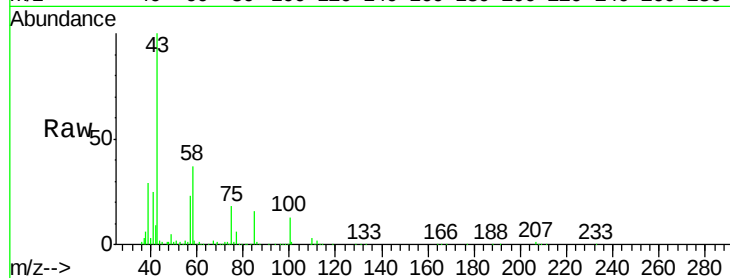
58 37.0 29.4 44.0

Manual Integrations

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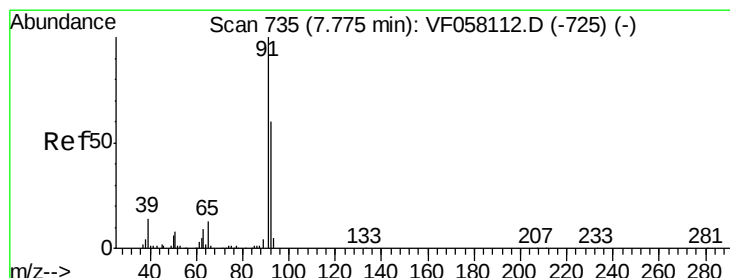
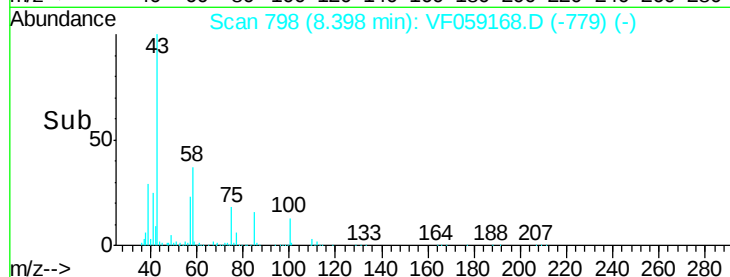
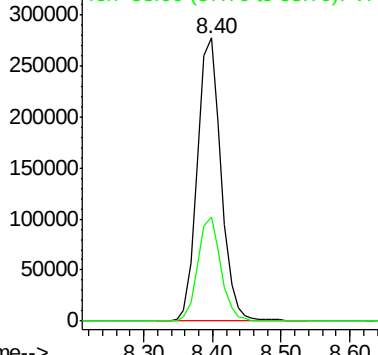
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 53.621 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059168.D

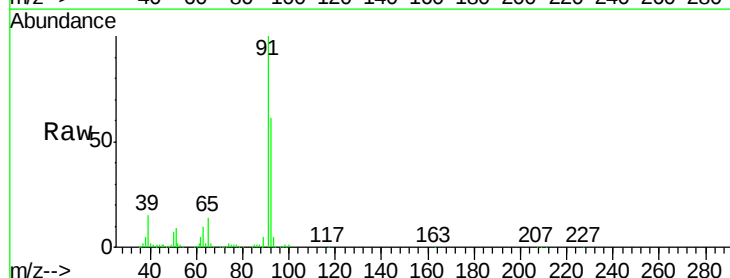
Acq: 18 Jun 2018 11:22

Tgt Ion: 92 Resp: 386595

Ion Ratio Lower Upper

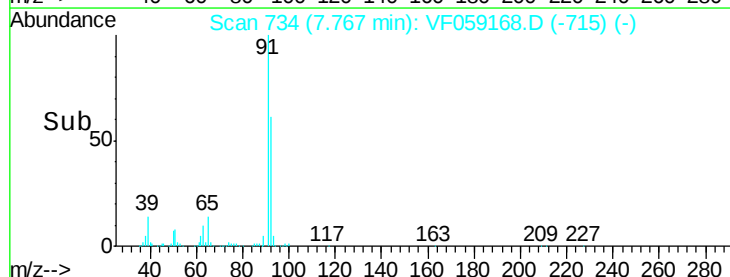
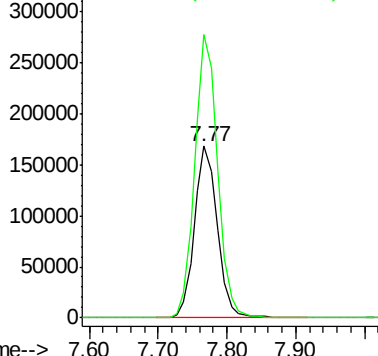
92 100

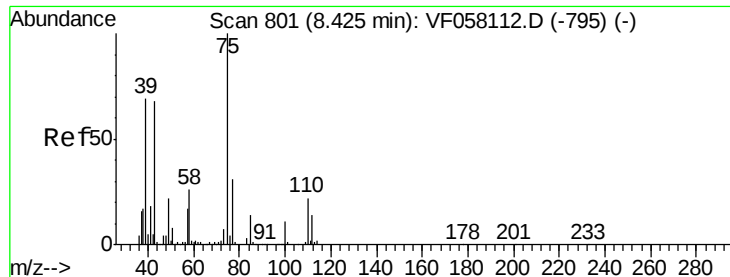
91 165.1 132.9 199.3



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 56.872 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

Tot Ion: 75 Resp: 272088

Ion Ratio Lower Upper

75 100

77 32.7 25.1 37.7

Instrument :

MSVOA\_F

ClientSampleId :

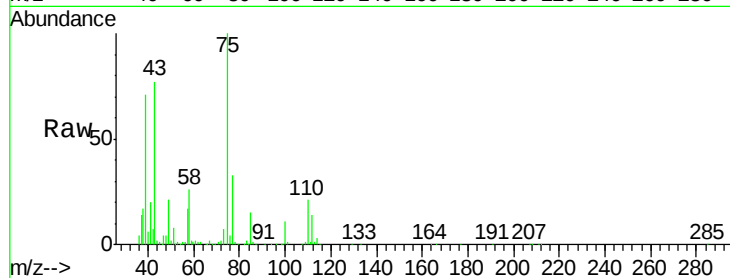
VSTDCCC050

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

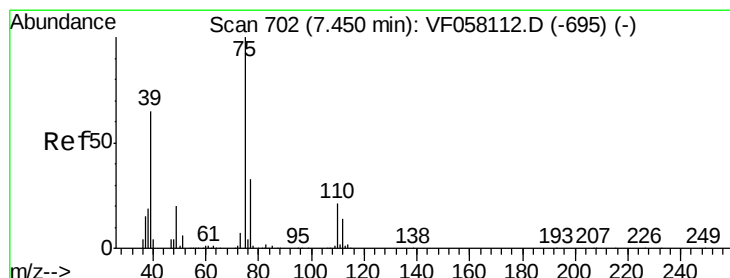
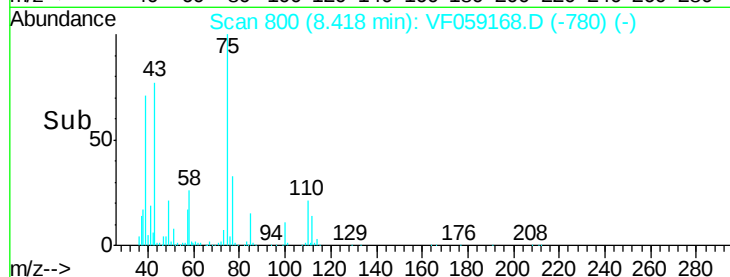
8.42

100000

50000

0

Time--> 8.20 8.30 8.40 8.50 8.60



#54

cis-1,3-Dichloropropene

Concen: 55.768 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

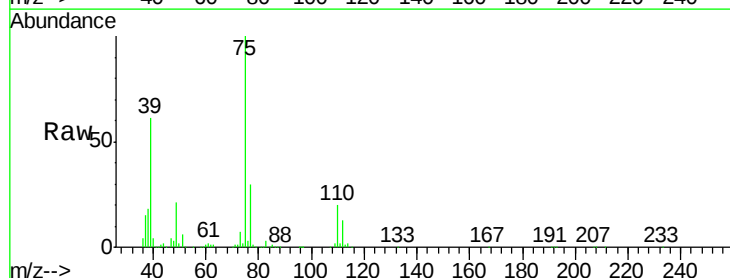
Tgt Ion: 75 Resp: 306492

Ion Ratio Lower Upper

75 100

77 30.5 26.3 39.5

39 61.2 52.1 78.1



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

7.45

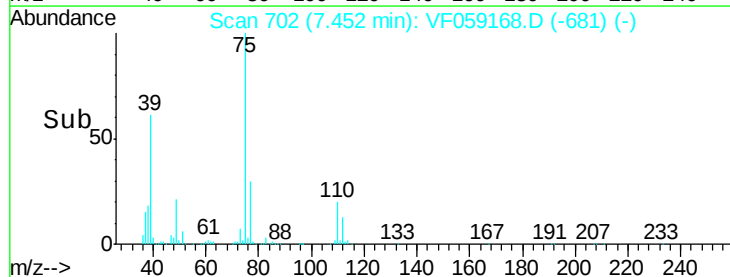
150000

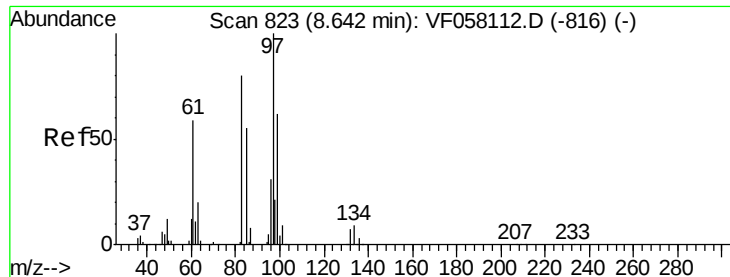
100000

50000

0

Time--> 7.30 7.40 7.50 7.60





#55

1,1,2-Trichloroethane

Concen: 51.604 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

Instrument :

MSVOA\_F

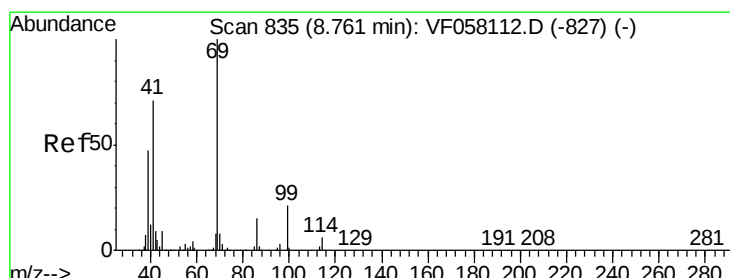
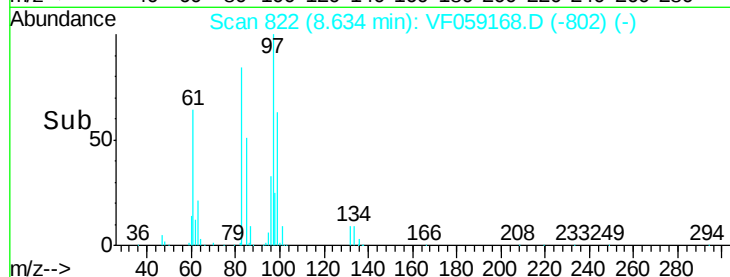
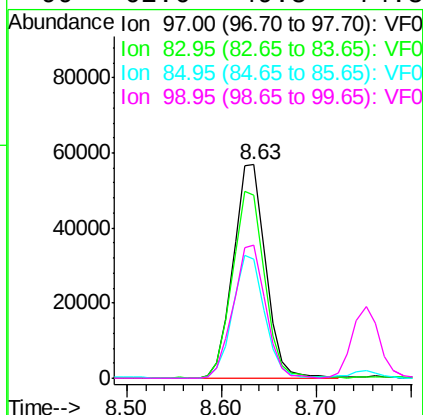
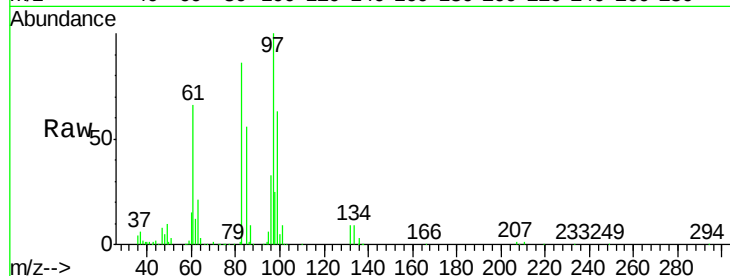
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 134822 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 85.8  | 64.3  | 96.5   |
| 85       | 55.5  | 43.8  | 65.8   |
| 99       | 62.6  | 49.8  | 74.8   |

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#56

Ethyl methacrylate

Concen: 54.721 ug/l

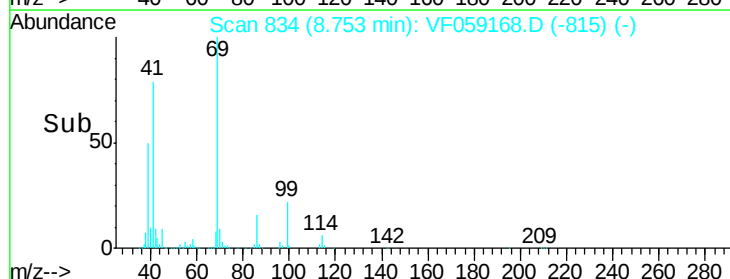
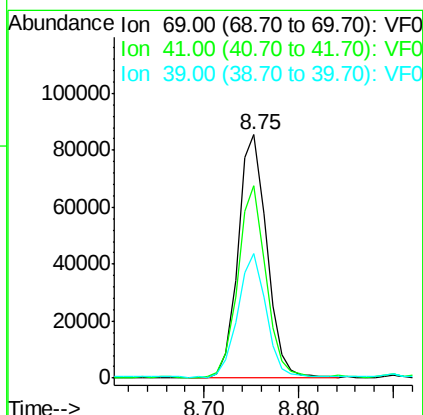
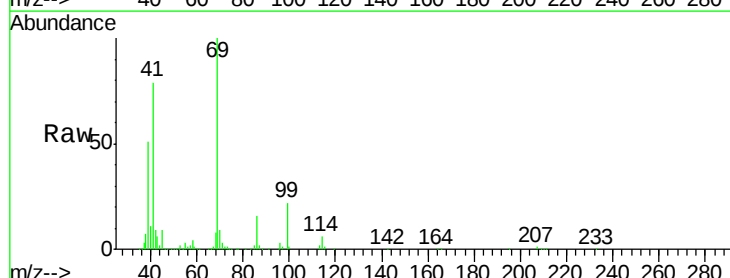
RT: 8.75 min Scan# 834

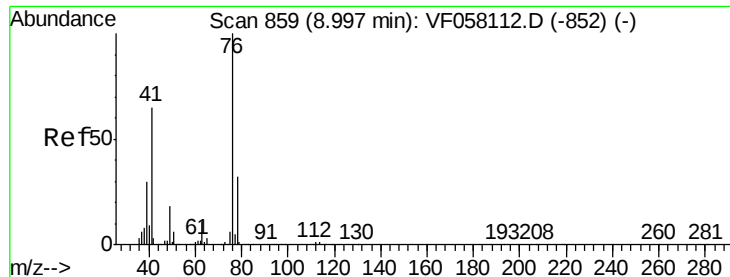
Delta R.T. -0.01 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 180207 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 79.2  | 56.9  | 85.3   |
| 39       | 50.9  | 38.0  | 57.0   |





#57

1,3-Dichloropropane

Concen: 52.737 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.01 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 235690

Ion Ratio Lower Upper

76 100

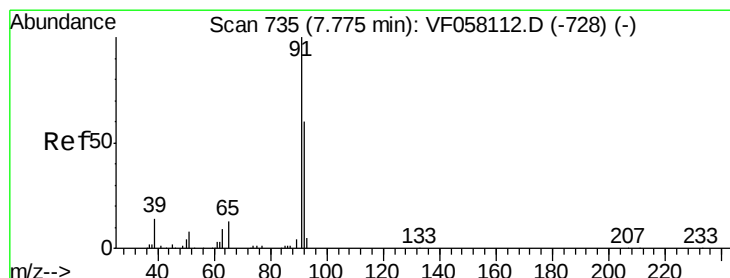
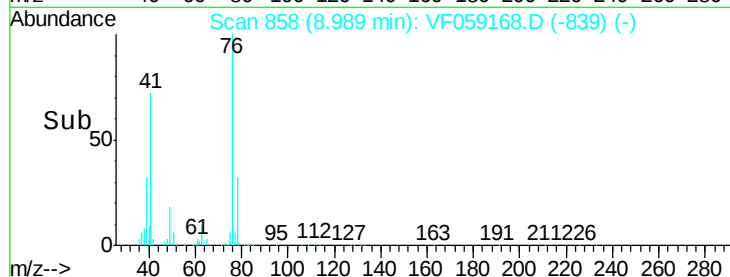
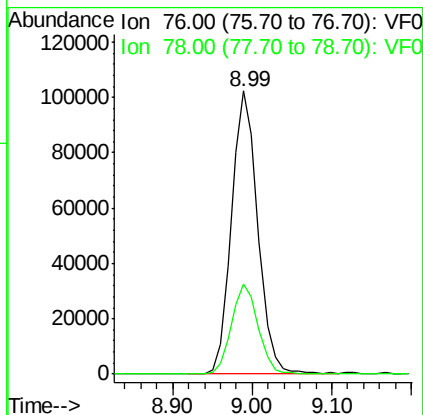
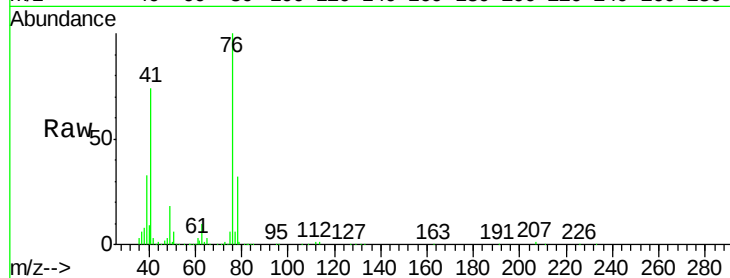
78 32.0 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 257.691 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059168.D

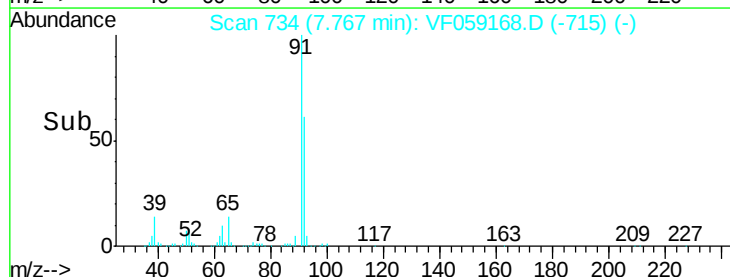
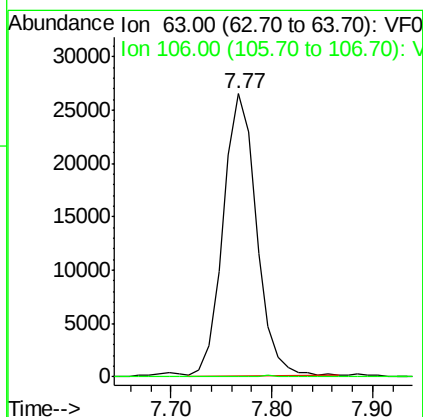
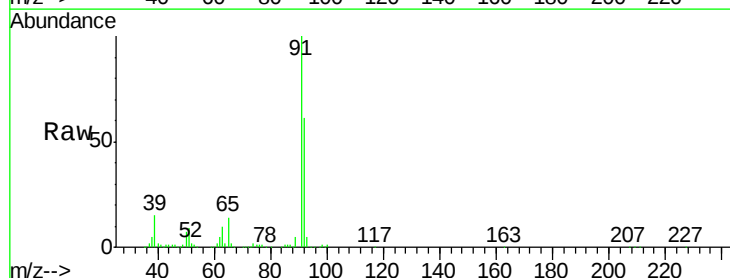
Acq: 18 Jun 2018 11:22

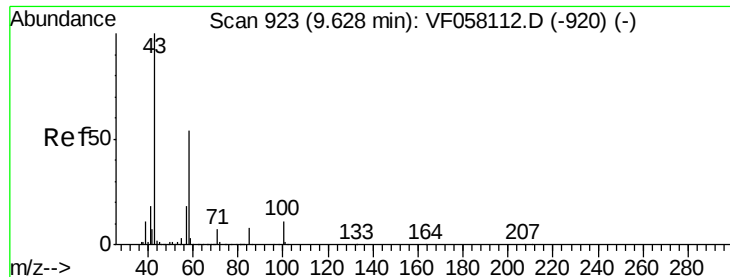
Tgt Ion: 63 Resp: 60680

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





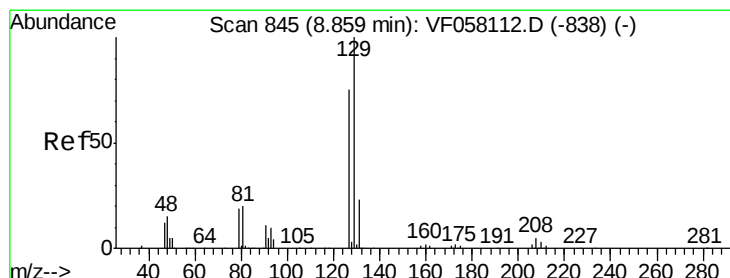
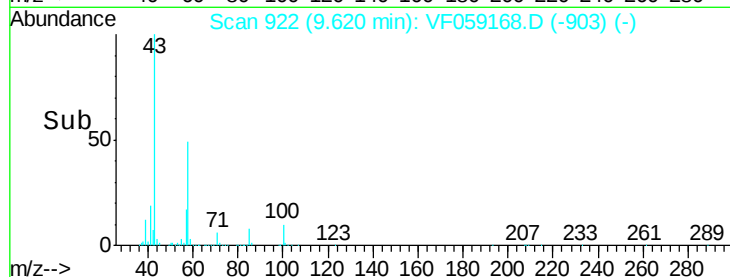
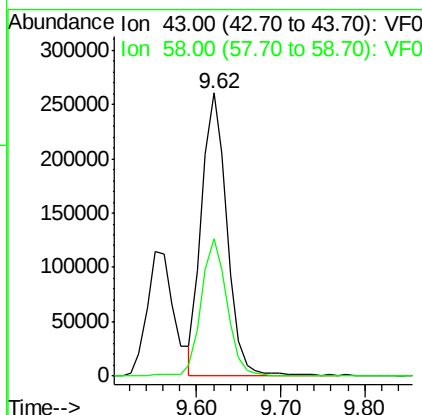
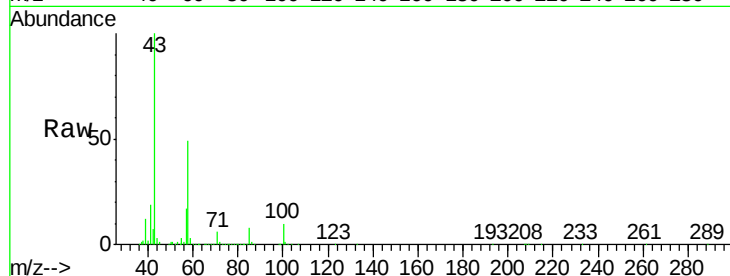
#59  
2-Hexanone  
Concen: 279.508 ug/l  
RT: 9.62 min Scan# 922  
Delta R.T. -0.01 min  
Lab File: VF059168.D  
Acq: 18 Jun 2018 11:22

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 48.7  | 26.3  | 78.8  |

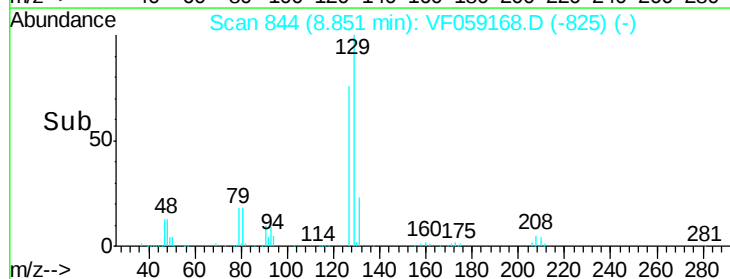
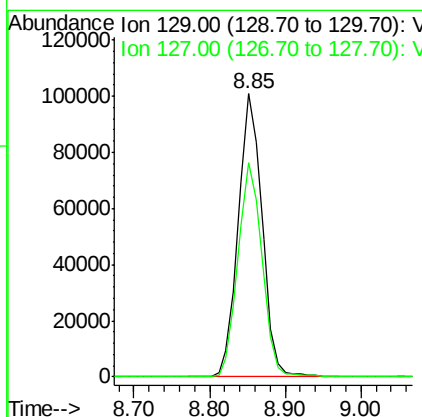
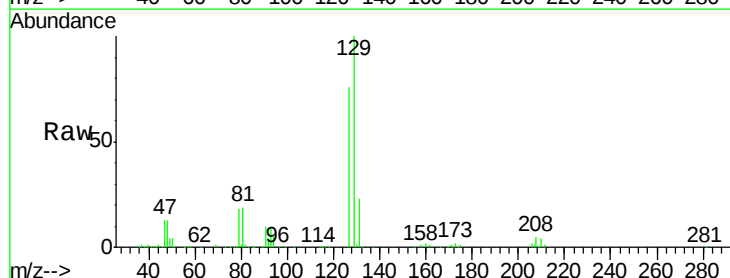
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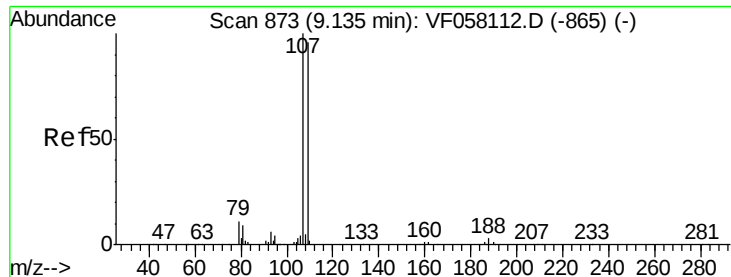
apatel  
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#60  
Dibromochloromethane  
Concen: 58.525 ug/l  
RT: 8.85 min Scan# 844  
Delta R.T. -0.01 min  
Lab File: VF059168.D  
Acq: 18 Jun 2018 11:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 75.8  | 37.6  | 112.9 |





#61

1,2-Dibromoethane

Concen: 53.059 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 161074

Ion Ratio Lower Upper

107 100

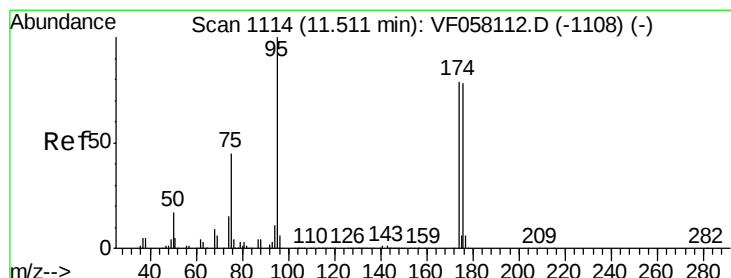
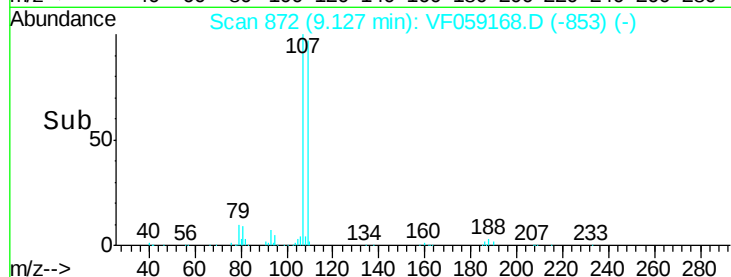
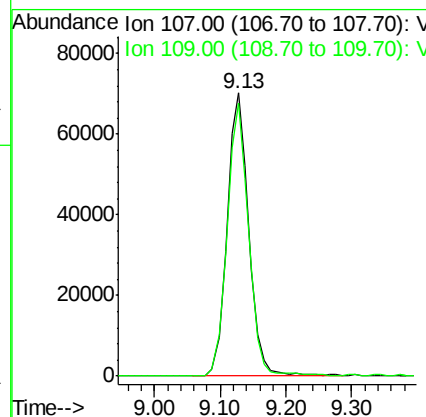
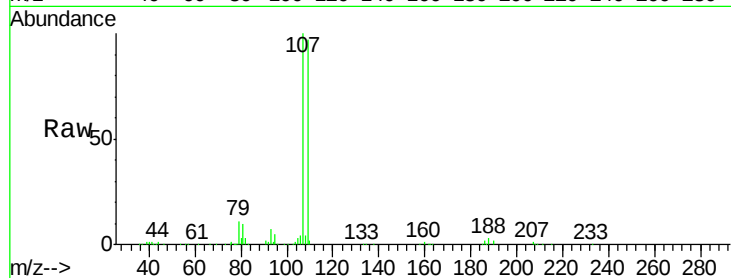
109 96.7 76.6 115.0

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#62

4-Bromofluorobenzene

Concen: 52.966 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

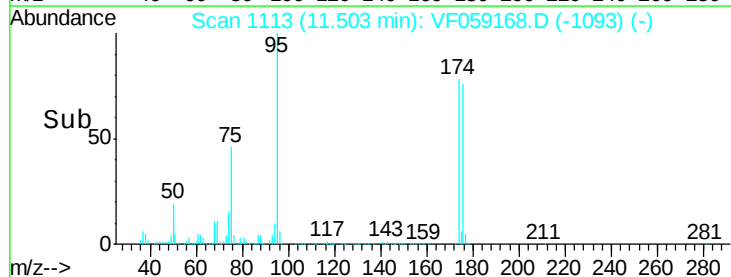
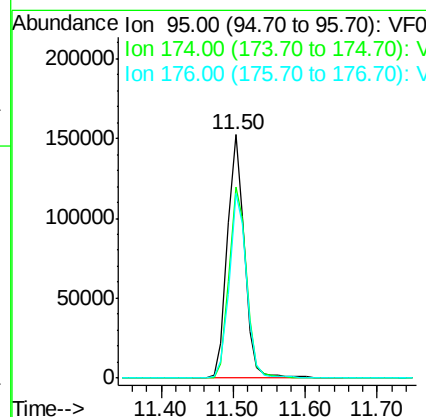
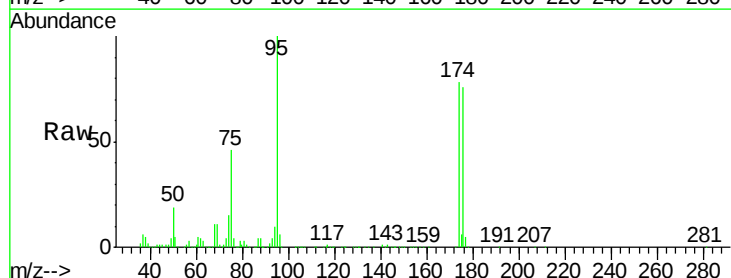
Tgt Ion: 95 Resp: 249150

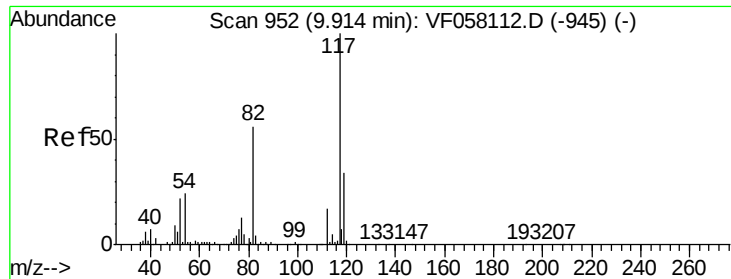
Ion Ratio Lower Upper

95 100

174 78.4 0.0 157.8

176 75.9 0.0 155.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 951

Delta R.T. -0.01 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

Instrument :

MSVOA\_F

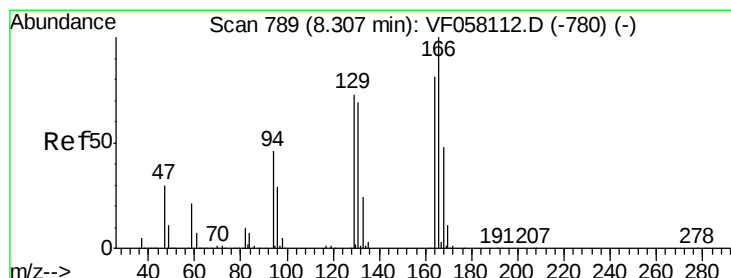
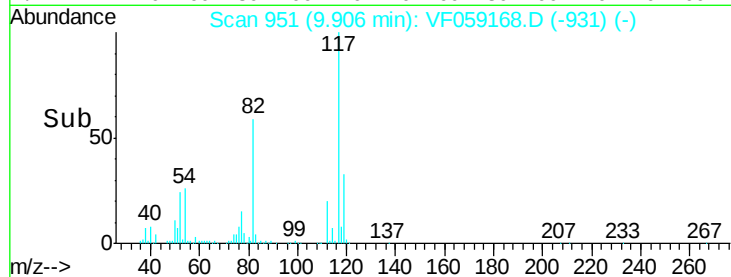
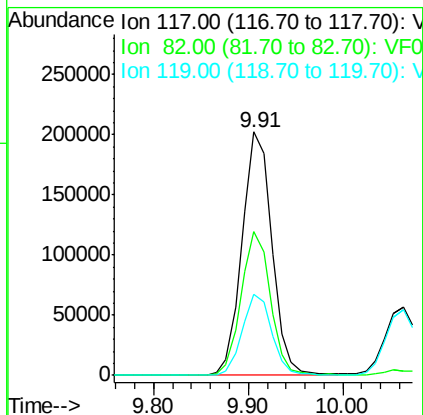
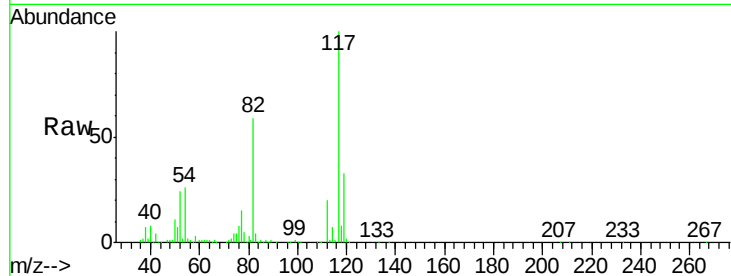
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 117   | Resp: | 444571 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 58.9  | 45.2  | 67.8   |
| 119       | 33.2  | 27.5  | 41.3   |

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#64

Tetrachloroethene

Concen: 49.342 ug/l

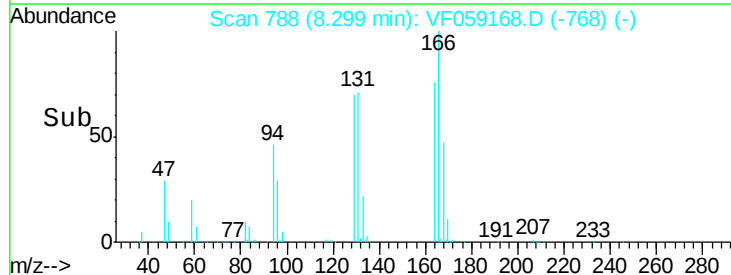
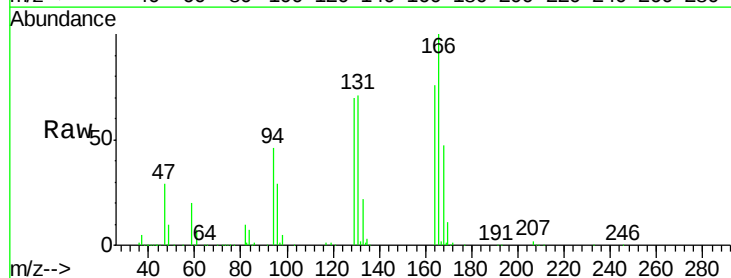
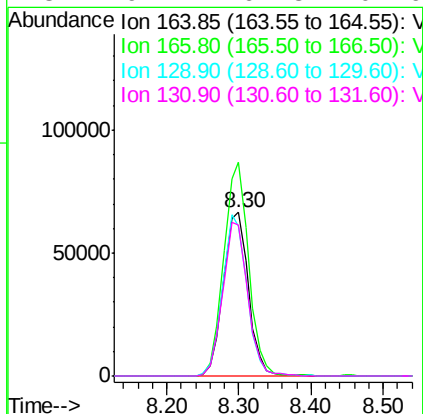
RT: 8.30 min Scan# 788

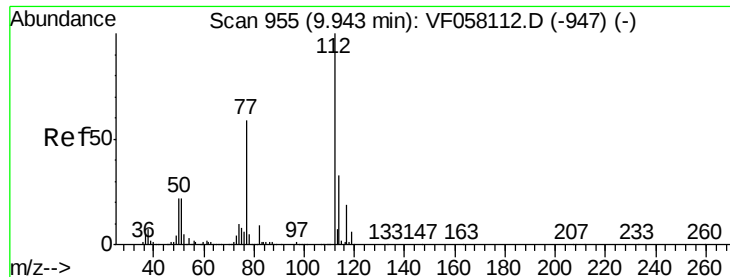
Delta R.T. -0.01 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 164   | Resp: | 160889 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 166       | 130.7 | 98.2  | 147.4  |
| 129       | 91.8  | 71.6  | 107.4  |
| 131       | 92.4  | 67.8  | 101.6  |





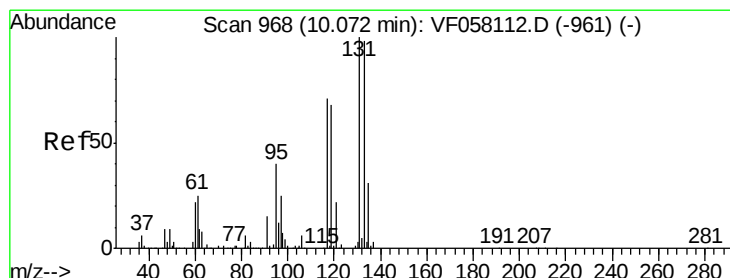
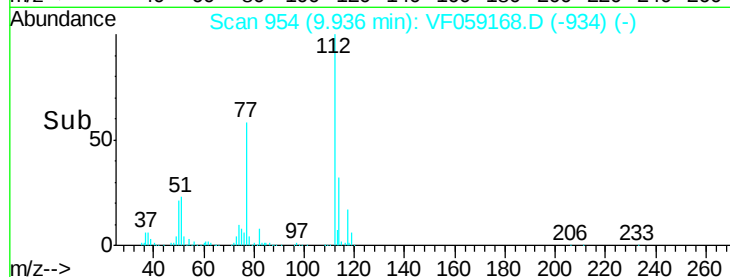
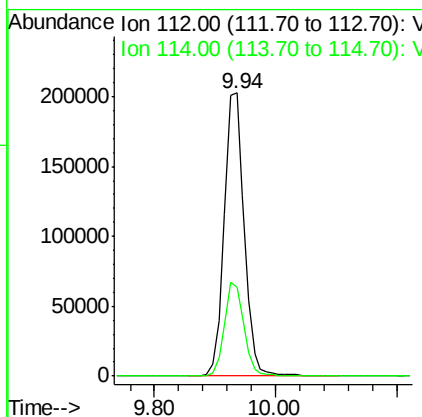
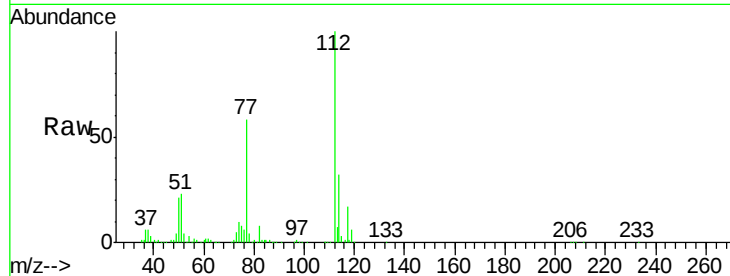
#65  
Chlorobenzene  
Concen: 52.953 ug/l  
RT: 9.94 min Scan# 954  
Delta R.T. -0.01 min  
Lab File: VF059168.D  
Acq: 18 Jun 2018 11:22

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 112     | 100   | 466171 |       |       |
| 114     | 31.5  | 26.2   | 39.4  |       |

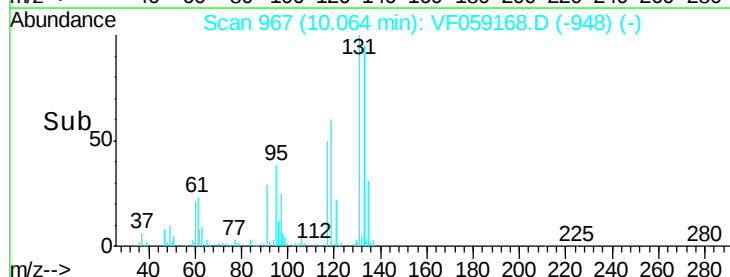
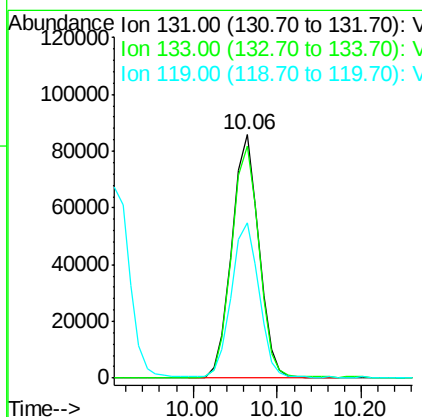
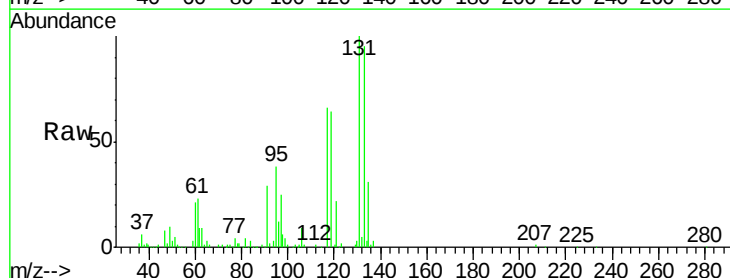
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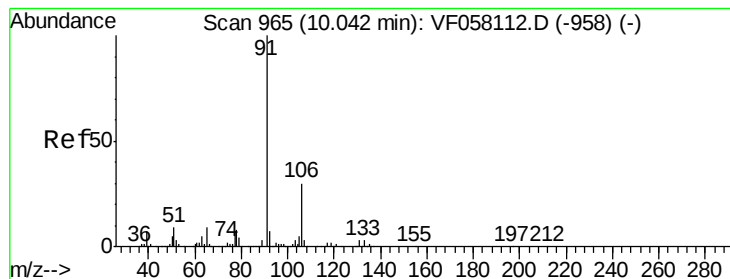
apatel  
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 55.283 ug/l  
RT: 10.06 min Scan# 967  
Delta R.T. -0.01 min  
Lab File: VF059168.D  
Acq: 18 Jun 2018 11:22

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 131     | 100   | 193596 |       |       |
| 133     | 95.3  | 49.1   | 147.4 |       |
| 119     | 64.0  | 34.3   | 102.8 |       |





#67

Ethyl Benzene

Concen: 53.351 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 816093

Ion Ratio Lower Upper

91 100

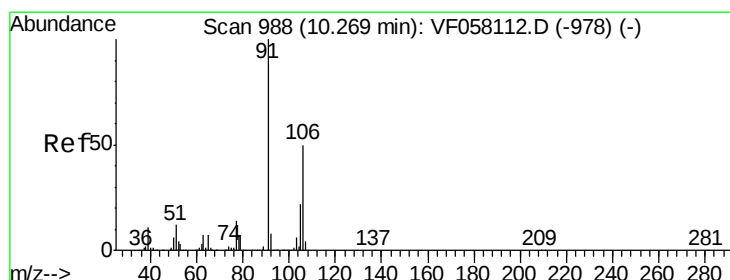
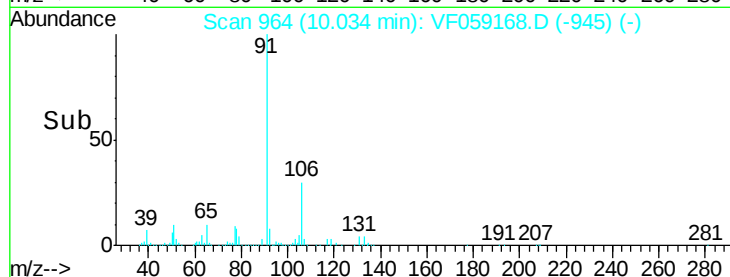
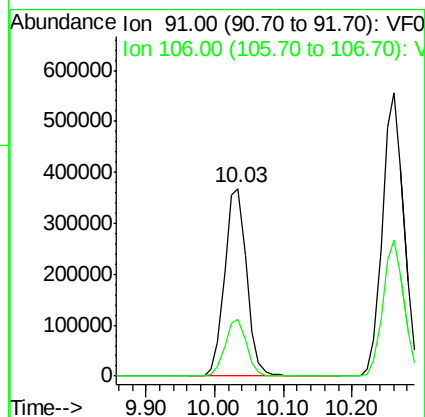
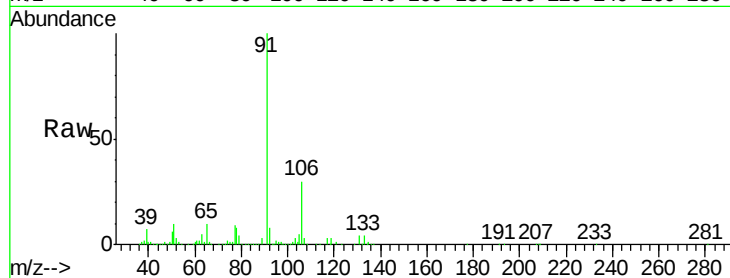
106 30.1 24.2 36.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 100.797 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF059168.D

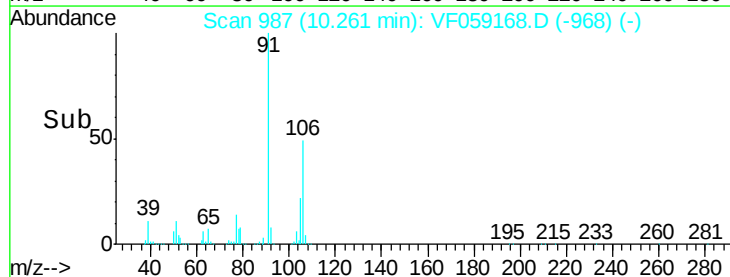
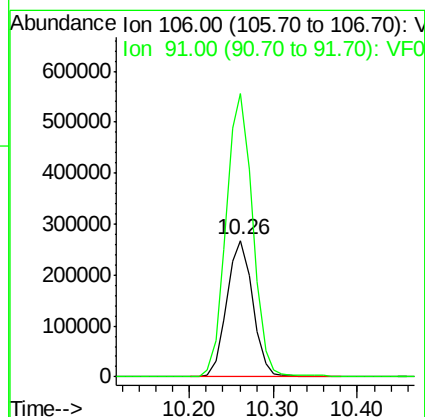
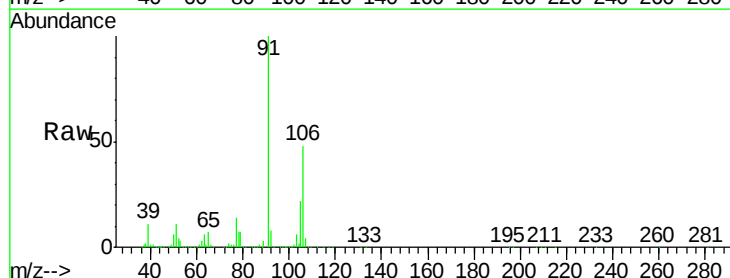
Acq: 18 Jun 2018 11:22

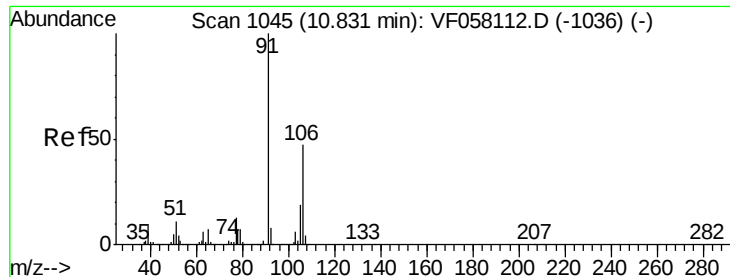
Tgt Ion: 106 Resp: 577264

Ion Ratio Lower Upper

106 100

91 207.0 160.7 241.1





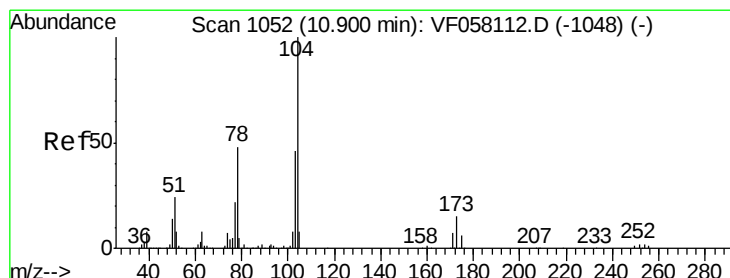
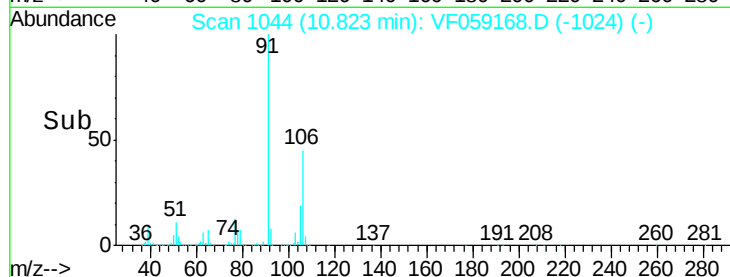
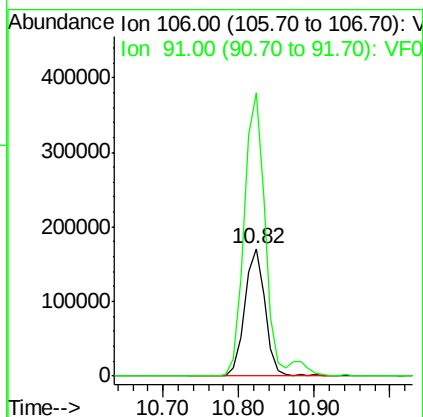
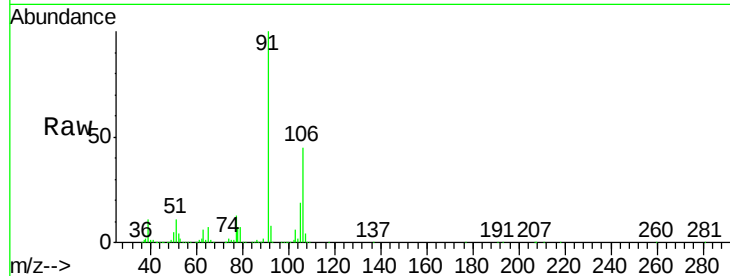
#69  
o-Xylene  
Concen: 51.445 ug/l  
RT: 10.82 min Scan# 1044  
Delta R.T. -0.01 min  
Lab File: VF059168.D  
Acq: 18 Jun 2018 11:22

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

Tot Ion:106 Resp: 318425  
Ion Ratio Lower Upper  
106 100  
91 222.0 107.0 321.0

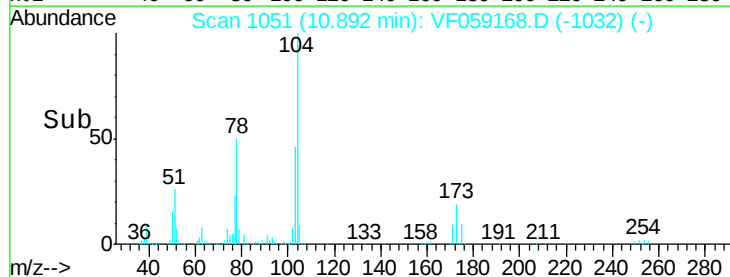
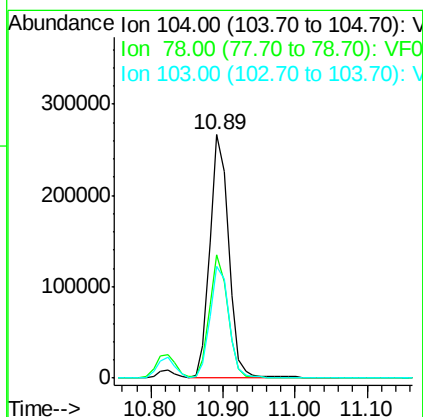
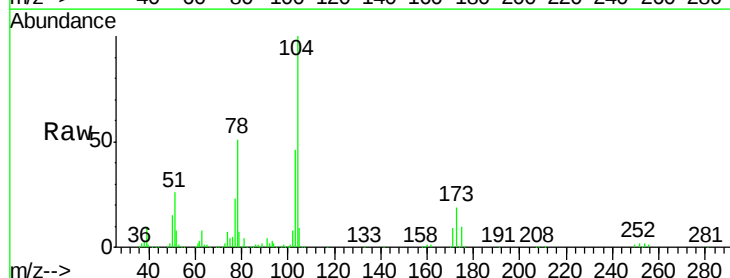
Manual Integrations  
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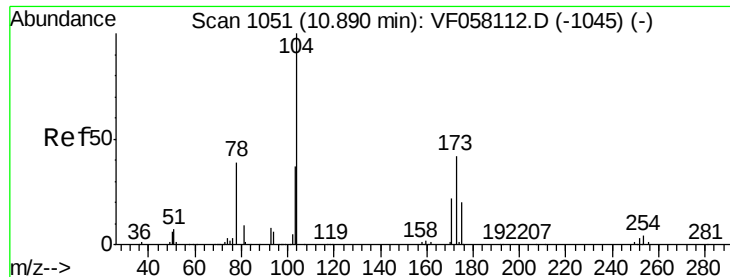
apatel  
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#70  
Styrene  
Concen: 51.145 ug/l  
RT: 10.89 min Scan# 1051  
Delta R.T. -0.01 min  
Lab File: VF059168.D  
Acq: 18 Jun 2018 11:22

Tgt Ion:104 Resp: 478977  
Ion Ratio Lower Upper  
104 100  
78 50.5 38.4 57.6  
103 45.8 37.0 55.6





#71

Bromoform

Concen: 57.543 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

Instrument :

MSVOA\_F

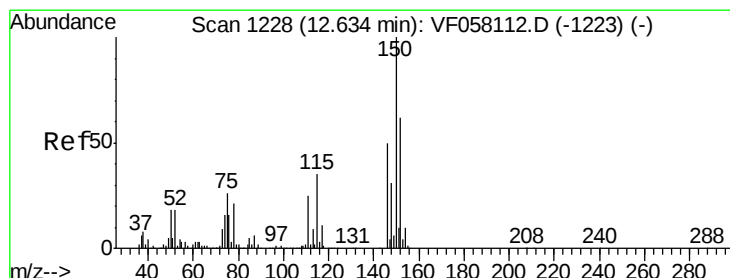
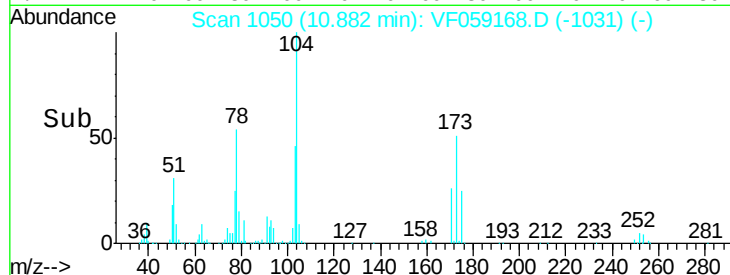
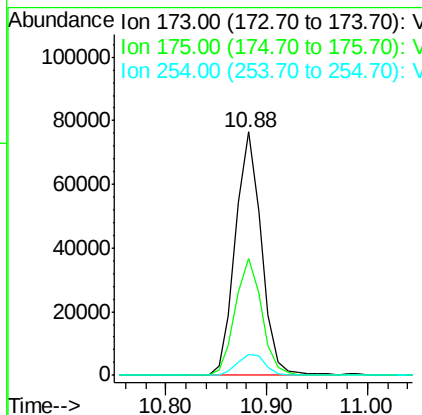
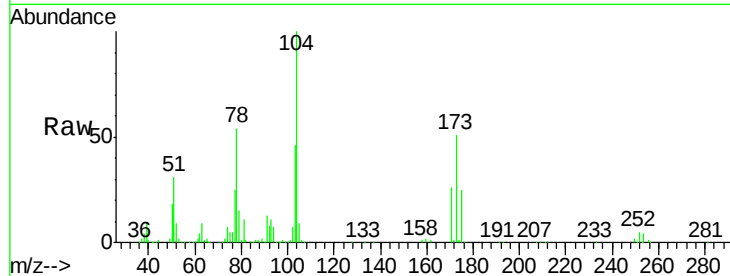
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 173   | Resp: | 136848 |
| Ion Ratio | Lower | Upper |        |
| 173       | 100   |       |        |
| 175       | 48.0  | 24.6  | 74.0   |
| 254       | 8.6   | 7.8   | 11.8   |

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

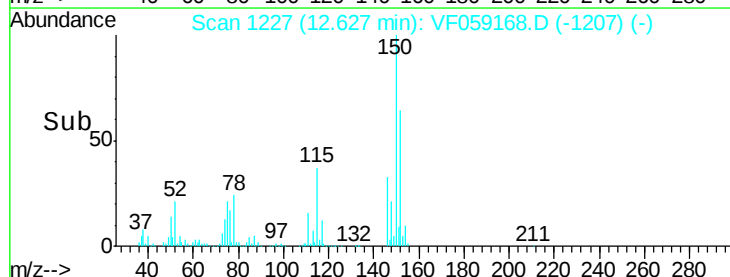
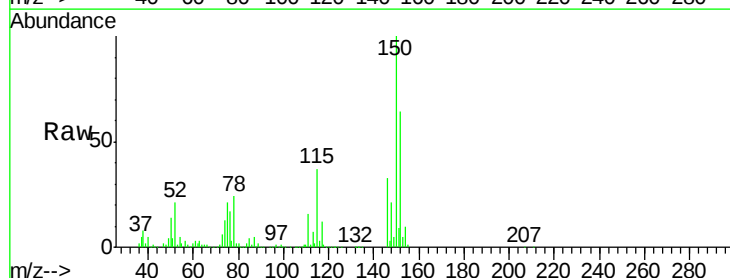
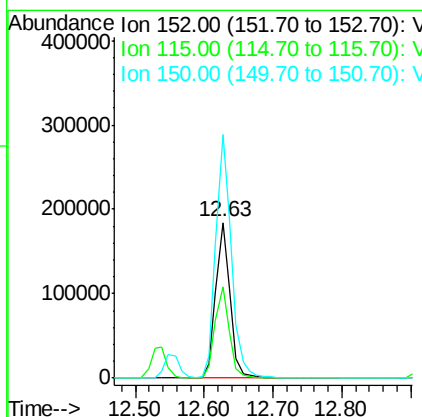
RT: 12.63 min Scan# 1227

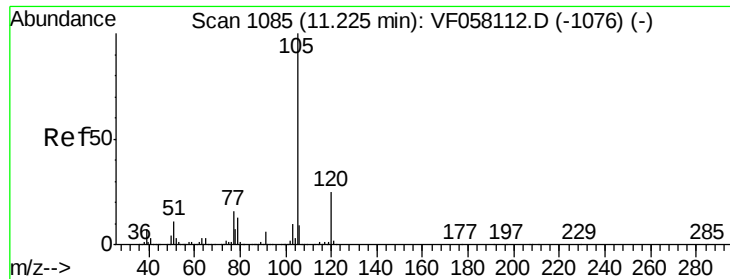
Delta R.T. -0.01 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 265240 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 58.5  | 28.5  | 85.5   |
| 150       | 156.7 | 0.0   | 323.8  |





#73

Isopropylbenzene

Concen: 50.822 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 933282

Ion Ratio Lower Upper

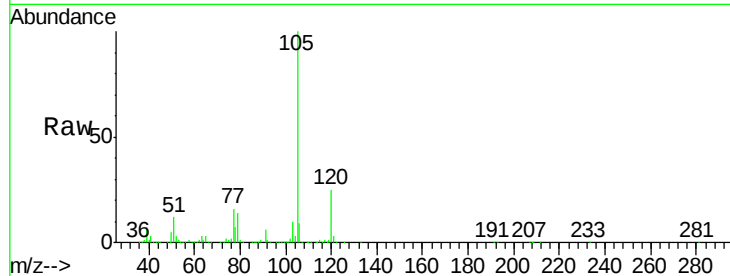
105 100

120 25.2 12.7 38.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

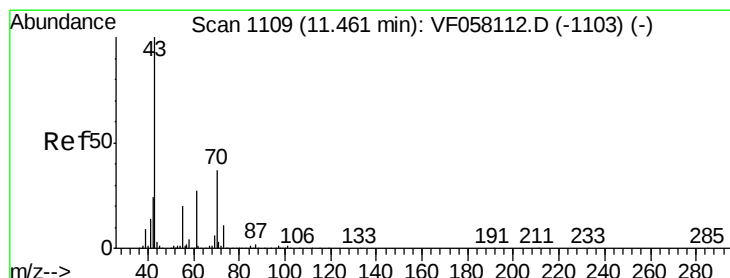
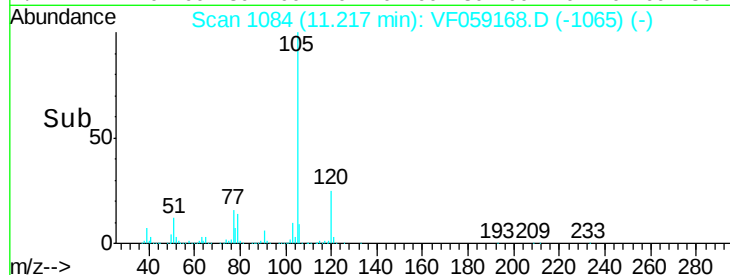
100000

0

11.22

11.40

Time-->



#74

N-ethyl acetate

Concen: 49.850 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

Tgt Ion: 43 Resp: 327006

Ion Ratio Lower Upper

43 100

70 34.4 29.2 43.8

55 19.9 15.8 23.6

61 25.7 21.3 31.9

Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

300000

250000

200000

150000

100000

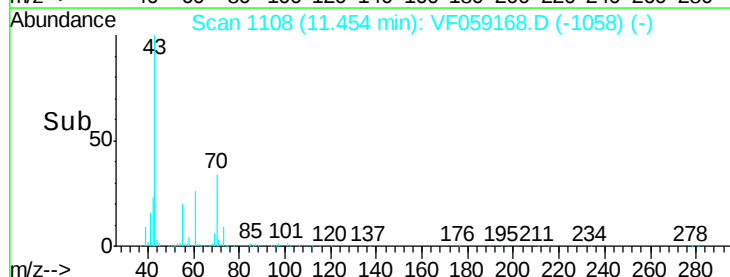
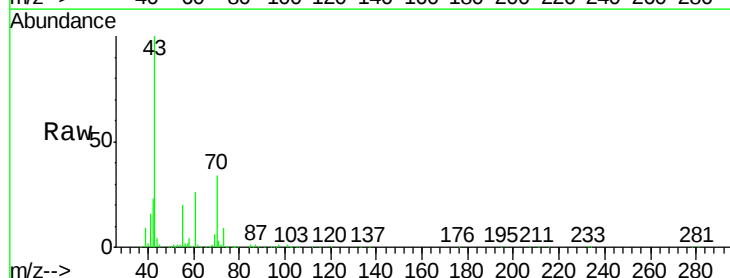
50000

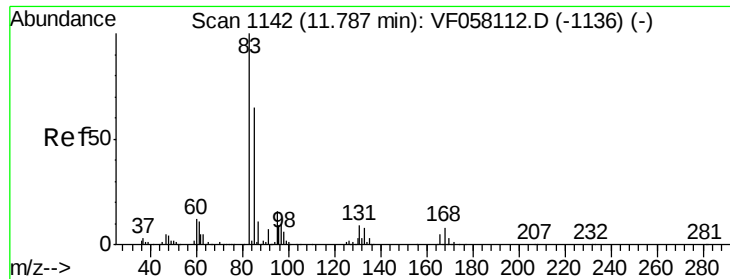
0

11.45

11.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.298 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

Instrument :

MSVOA\_F

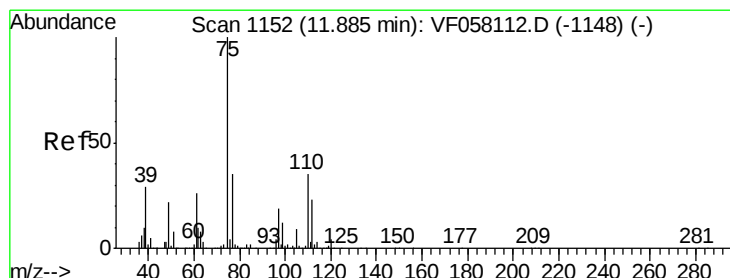
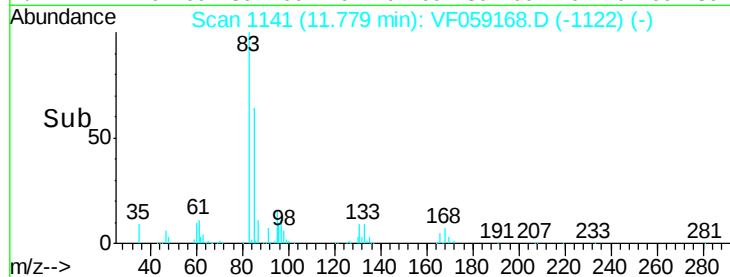
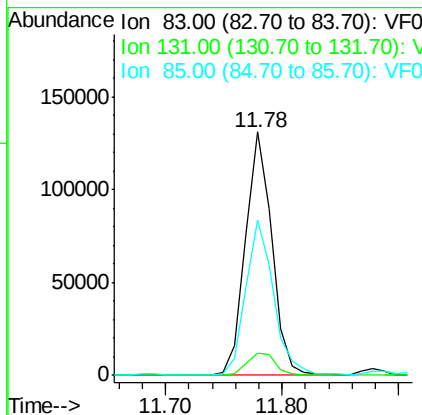
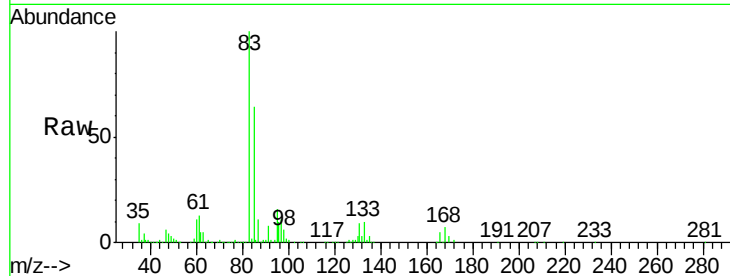
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 205922 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 9.3   | 4.5   | 13.7   |
| 85        | 64.0  | 32.8  | 98.3   |

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#76

1,2,3-Trichloropropane

Concen: 48.277 ug/l

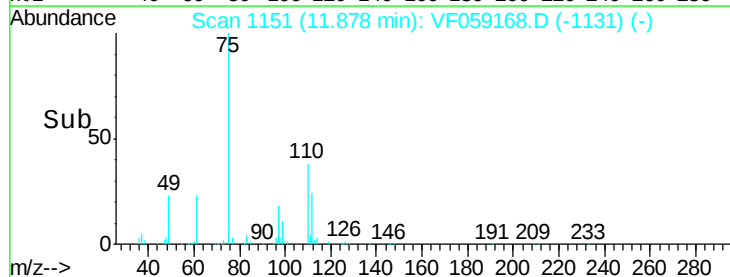
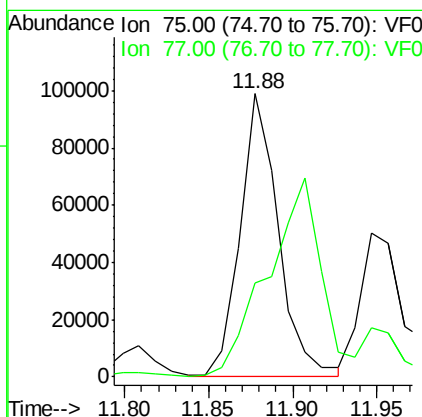
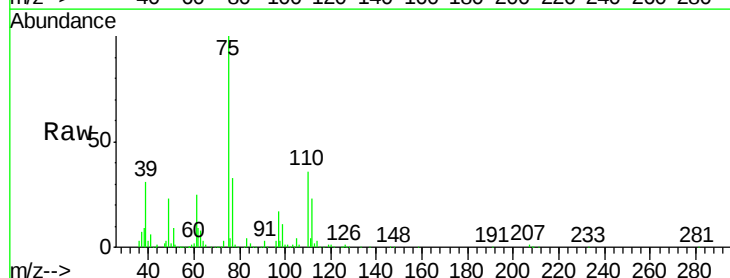
RT: 11.88 min Scan# 1151

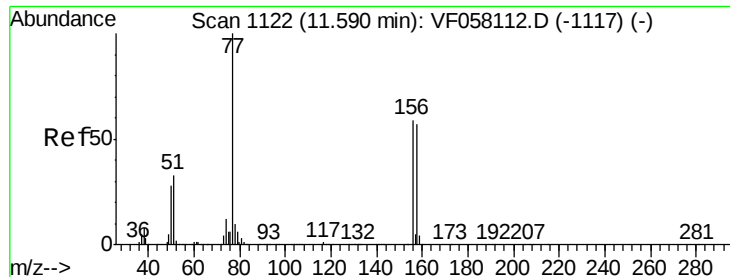
Delta R.T. -0.01 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 155232 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 33.4  | 17.5  | 52.5   |





#77

Bromobenzene

Concen: 52.625 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

Instrument :

MSVOA\_F

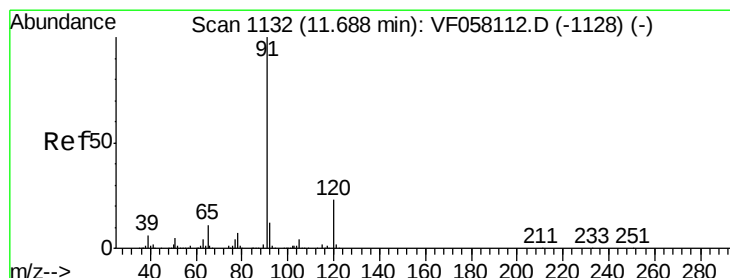
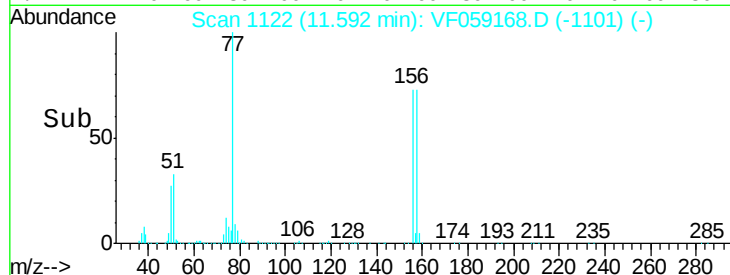
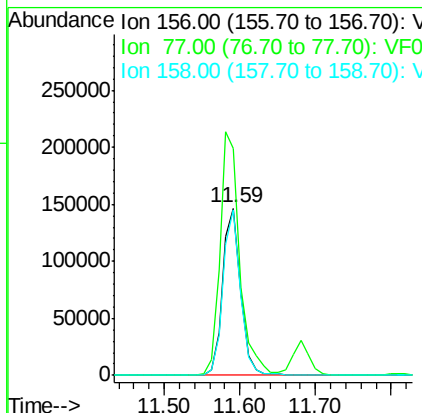
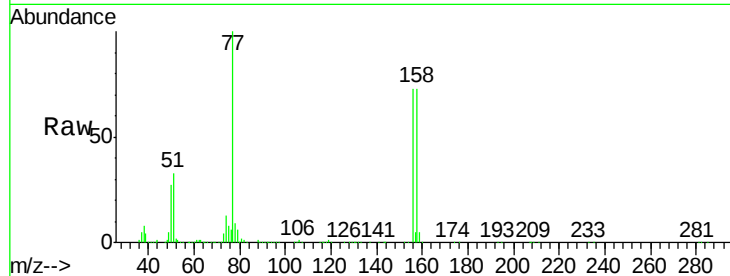
ClientSampleId :

VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 136.2 | 84.8  | 254.4 |
| 158     | 99.1  | 47.9  | 143.7 |

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#78

n-propylbenzene

Concen: 48.836 ug/l

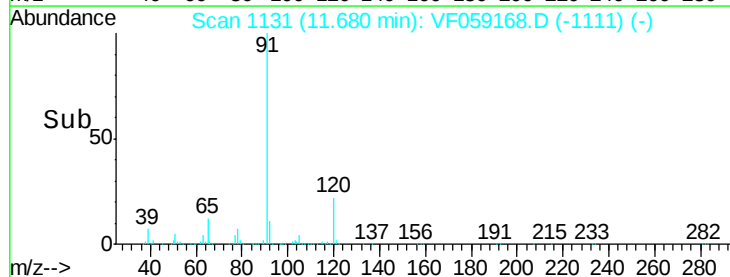
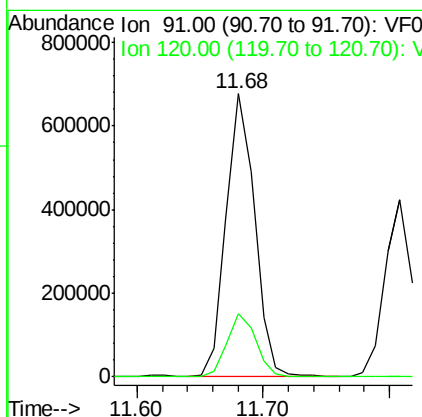
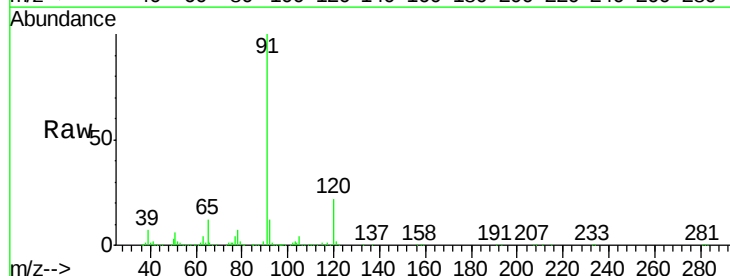
RT: 11.68 min Scan# 1131

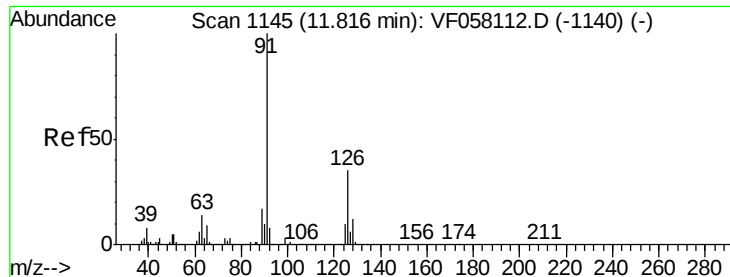
Delta R.T. -0.01 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 22.5  | 11.5  | 34.5  |





#79

2-Chlorotoluene

Concen: 50.188 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 644447

Ion Ratio Lower Upper

91 100

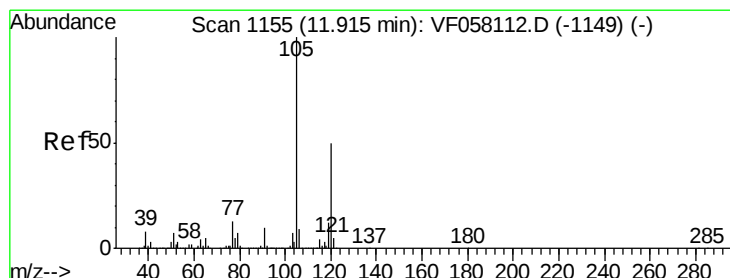
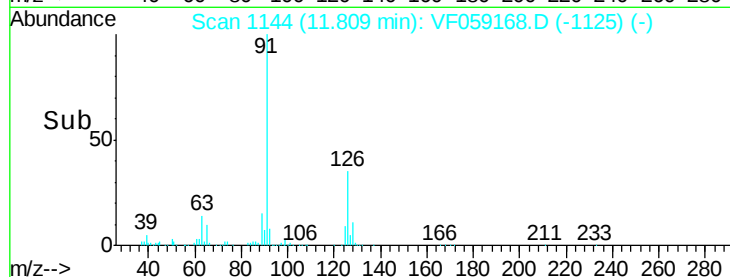
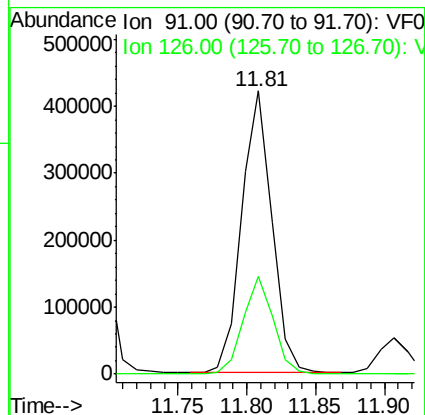
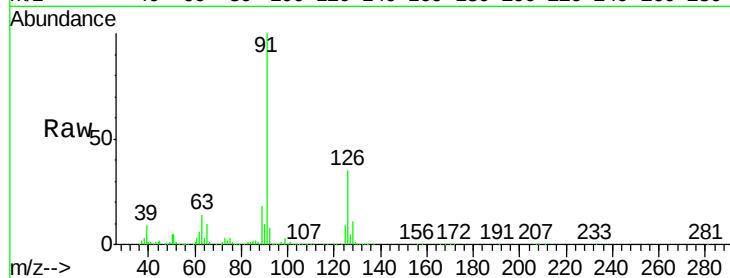
126 34.7 17.6 52.9

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#80

1,3,5-Trimethylbenzene

Concen: 50.738 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059168.D

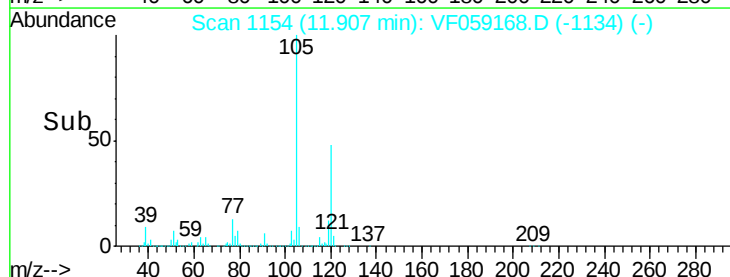
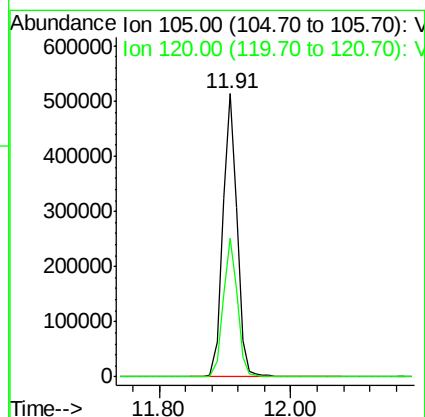
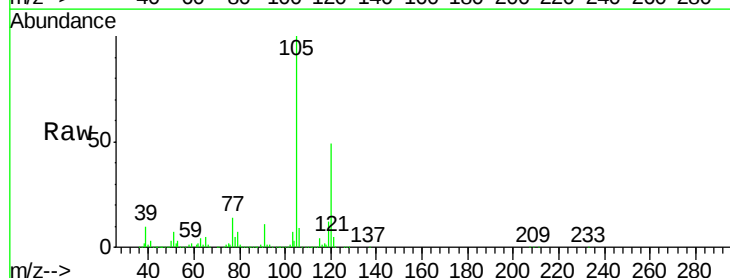
Acq: 18 Jun 2018 11:22

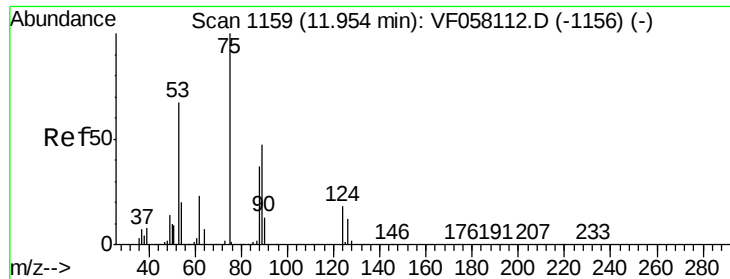
Tgt Ion: 105 Resp: 771172

Ion Ratio Lower Upper

105 100

120 49.2 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 48.799 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

Instrument :

MSVOA\_F

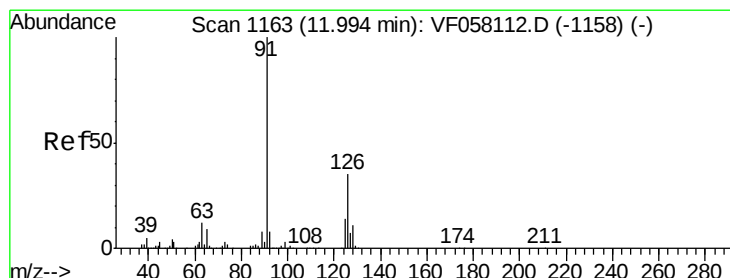
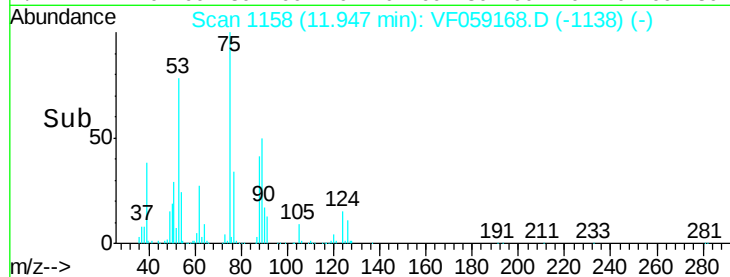
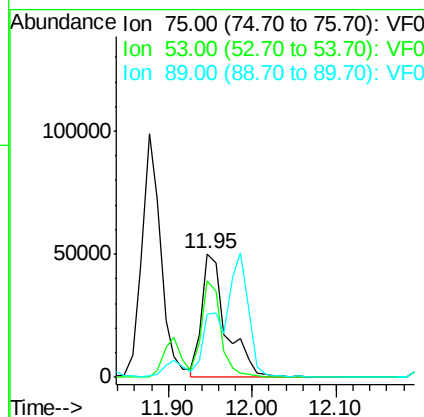
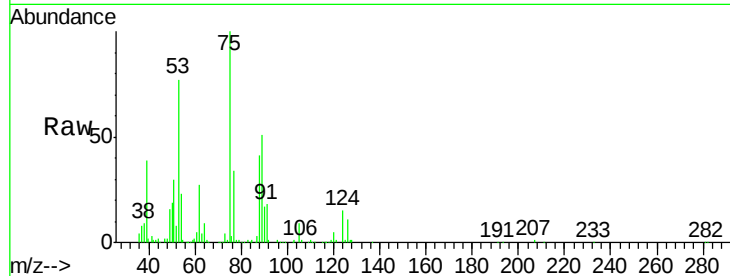
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 75    | Resp: | 101734 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 53       | 77.5  | 58.7  | 88.1   |
| 89       | 50.7  | 39.8  | 59.6   |

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#82

4-Chlorotoluene

Concen: 50.127 ug/l

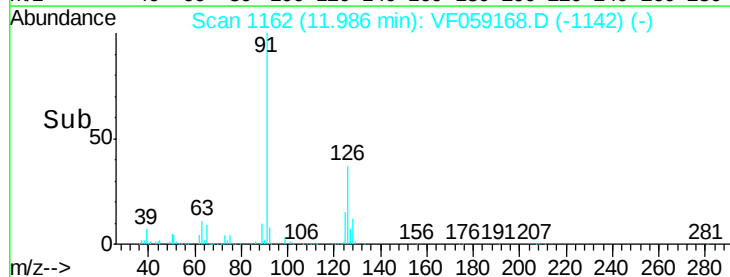
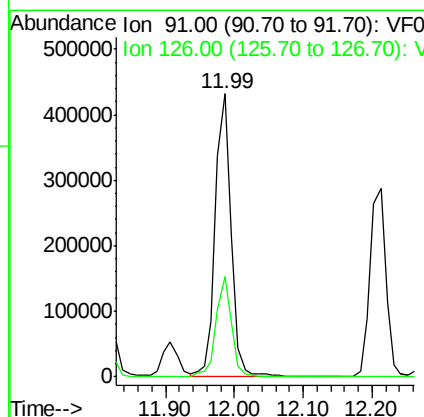
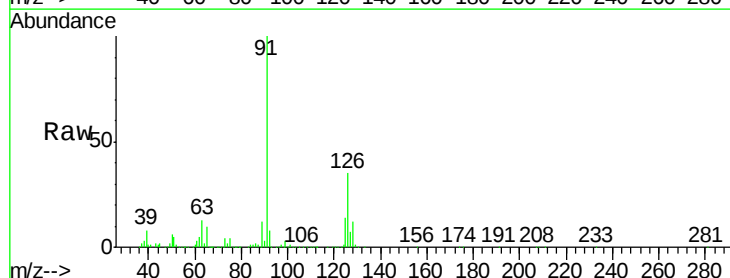
RT: 11.99 min Scan# 1162

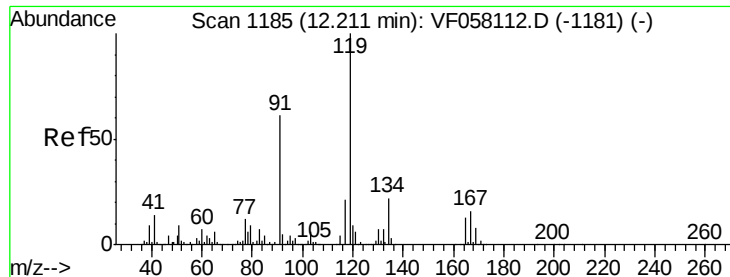
Delta R.T. -0.01 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 685254 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 35.4  | 17.4  | 52.2   |





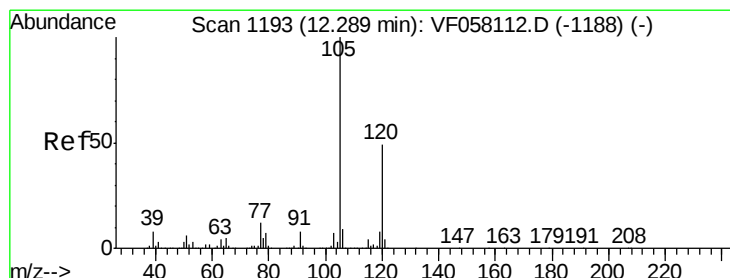
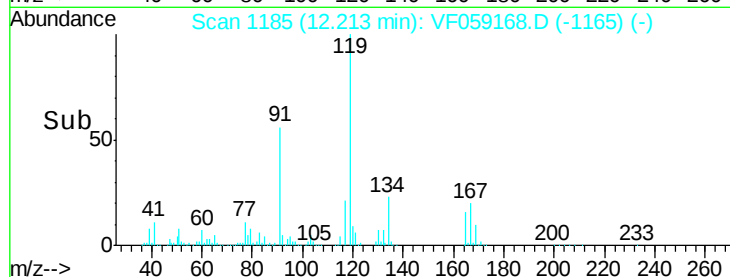
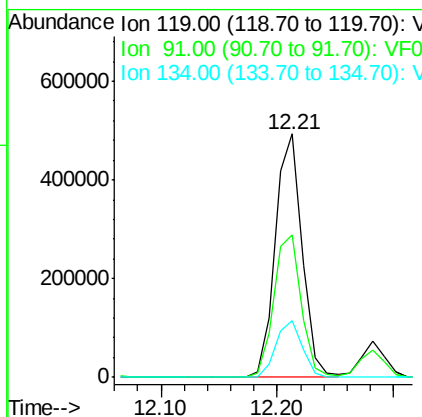
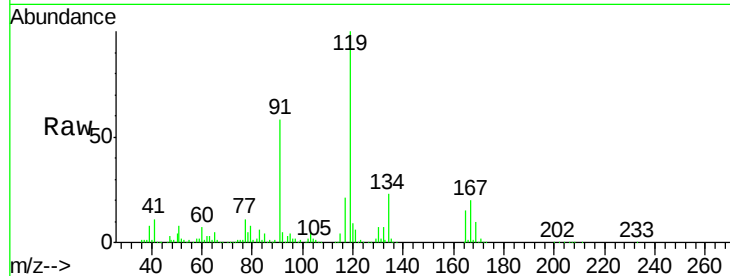
#83  
tert-Butylbenzene  
Concen: 51.953 ug/l  
RT: 12.21 min Scan# 1185  
Delta R.T. 0.00 min  
Lab File: VF059168.D  
Acq: 18 Jun 2018 11:22

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 784061 |       |       |
| 91      | 58.4  | 30.4   | 91.3  |       |
| 134     | 23.5  | 11.2   | 33.5  |       |

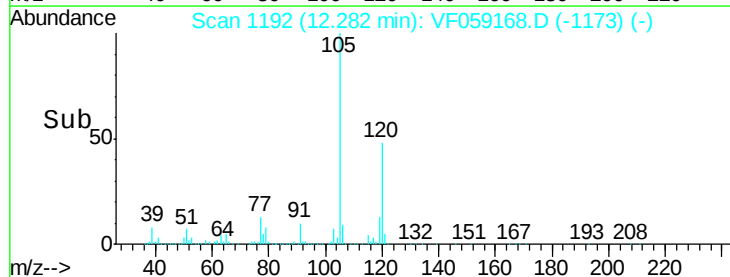
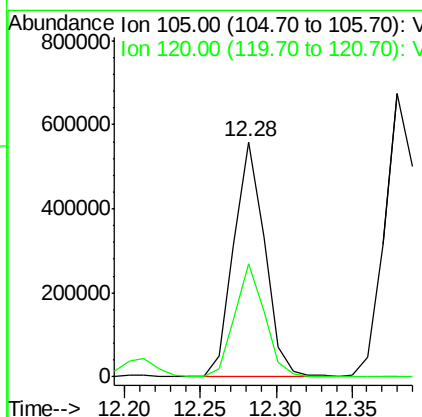
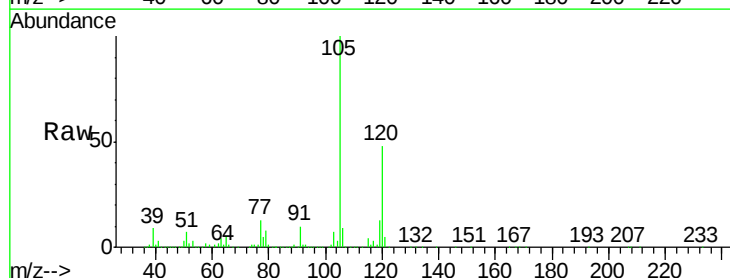
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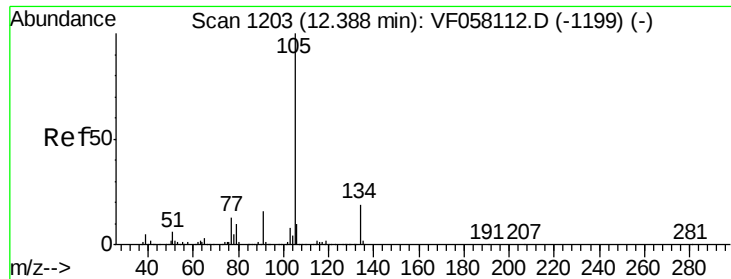
apatel  
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#84  
1,2,4-Trimethylbenzene  
Concen: 50.763 ug/l  
RT: 12.28 min Scan# 1192  
Delta R.T. -0.01 min  
Lab File: VF059168.D  
Acq: 18 Jun 2018 11:22

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 799418 |       |       |
| 120     | 47.9  | 24.7   | 74.1  |       |





#85

sec-Butylbenzene

Concen: 49.261 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1010186

Ion Ratio Lower Upper

105 100

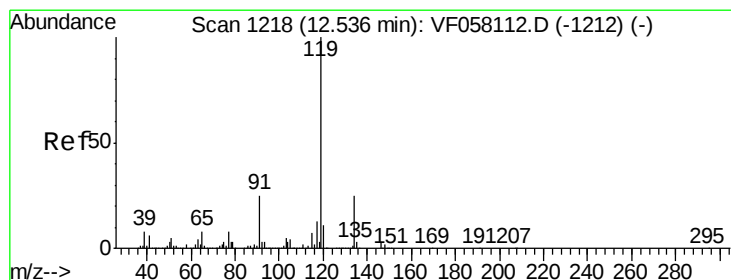
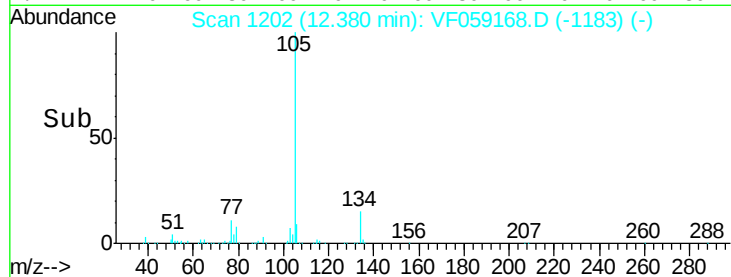
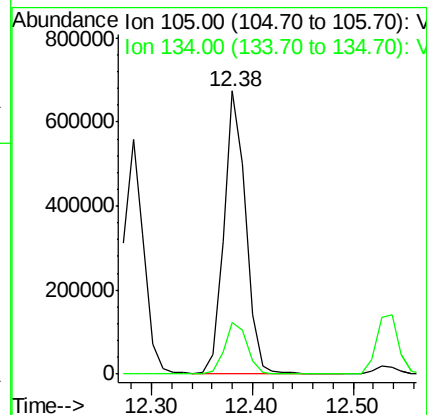
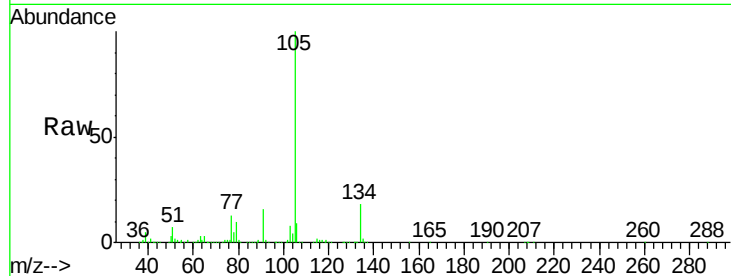
134 18.5 9.6 28.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 51.516 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

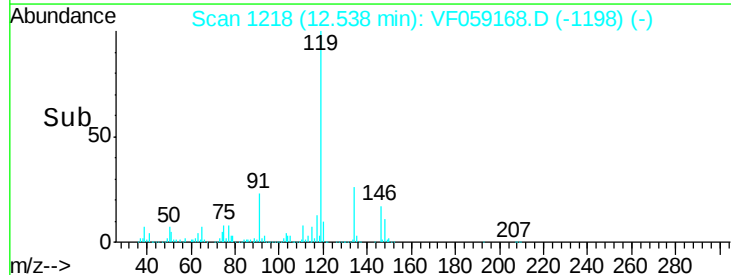
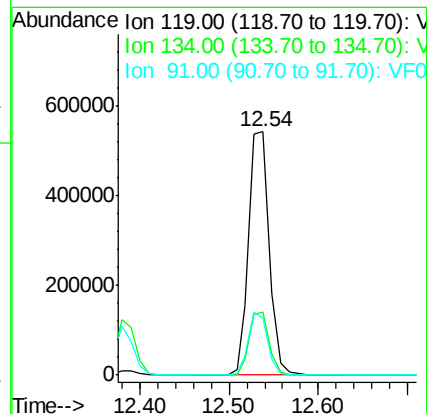
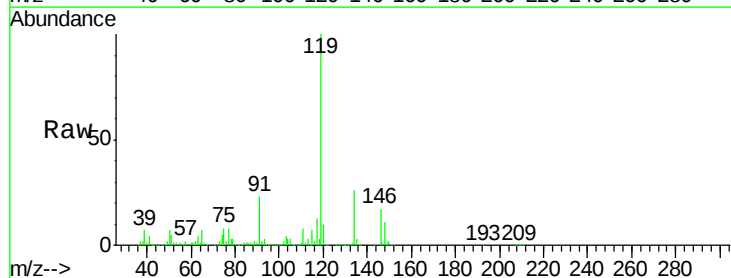
Tgt Ion:119 Resp: 867682

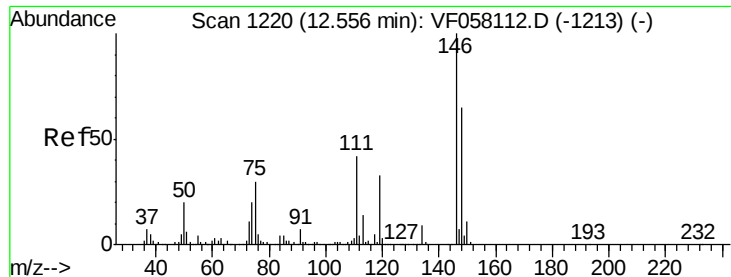
Ion Ratio Lower Upper

119 100

134 26.2 12.7 38.0

91 23.2 12.6 37.6





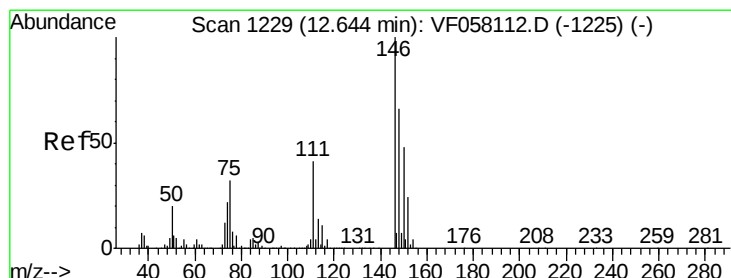
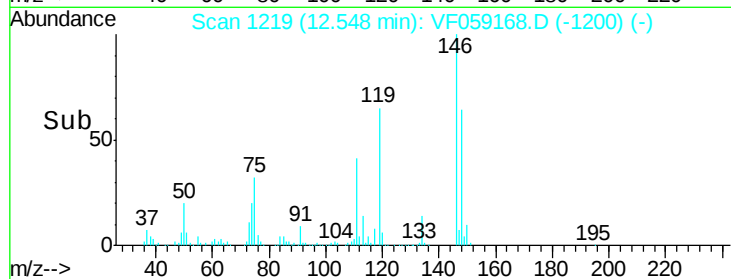
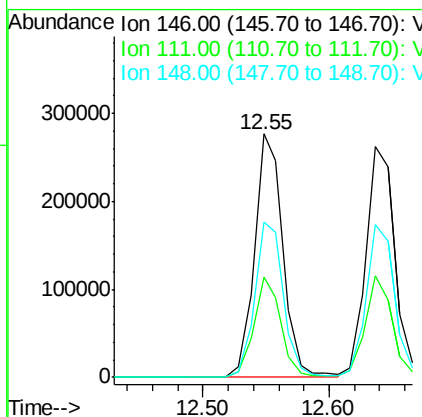
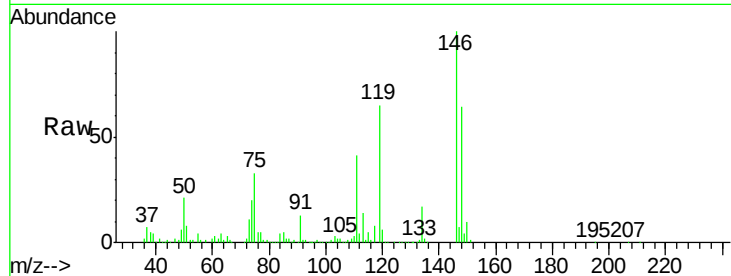
#87  
 1,3-Dichlorobenzene  
 Concen: 50.761 ug/l  
 RT: 12.55 min Scan# 1219  
 Delta R.T. -0.01 min  
 Lab File: VF059168.D  
 Acq: 18 Jun 2018 11:22

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.4  | 20.8  | 62.5  |
| 148     | 63.8  | 32.3  | 96.9  |

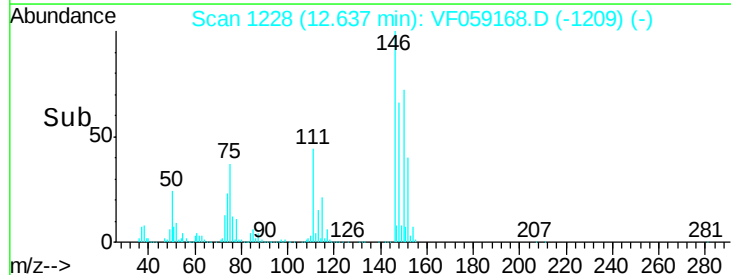
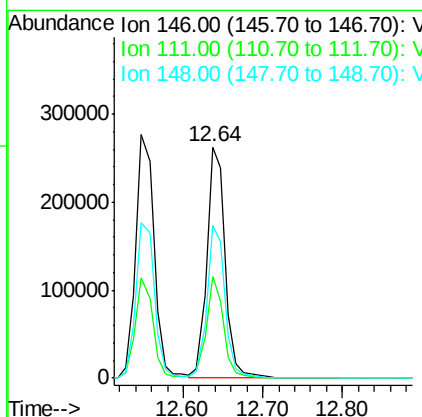
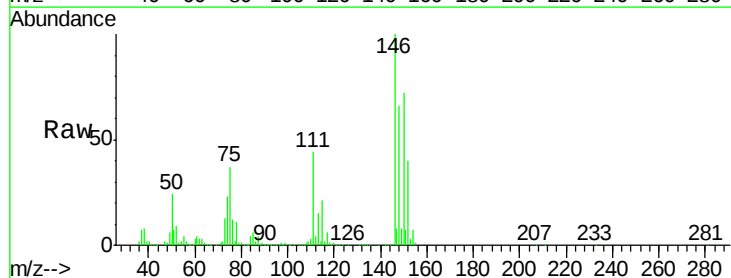
Manual Integrations  
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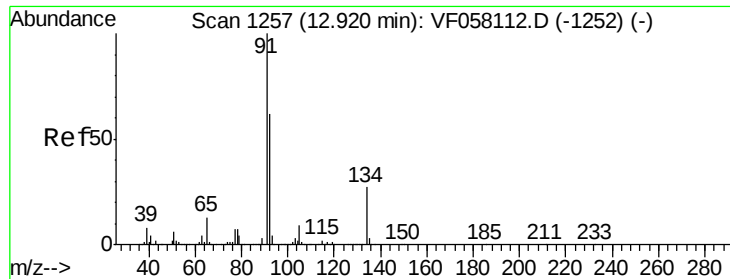
apatel  
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#88  
 1,4-Dichlorobenzene  
 Concen: 51.271 ug/l  
 RT: 12.64 min Scan# 1228  
 Delta R.T. -0.01 min  
 Lab File: VF059168.D  
 Acq: 18 Jun 2018 11:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.9  | 20.4  | 61.2  |
| 148     | 66.2  | 33.0  | 99.0  |





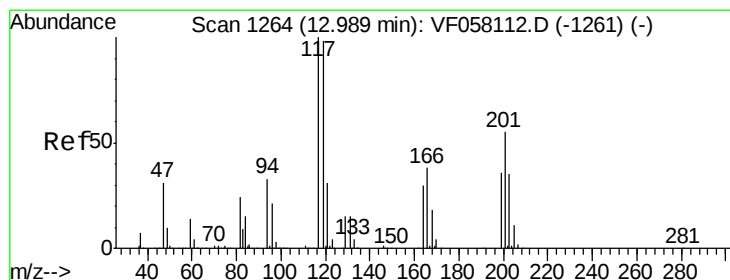
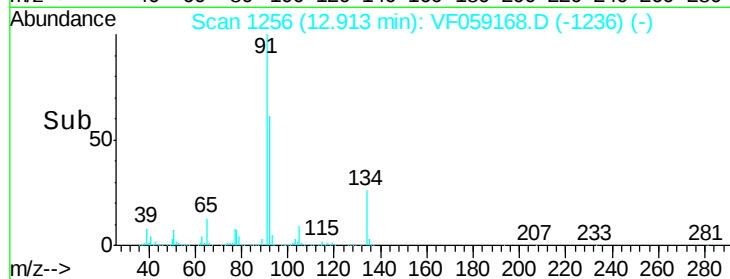
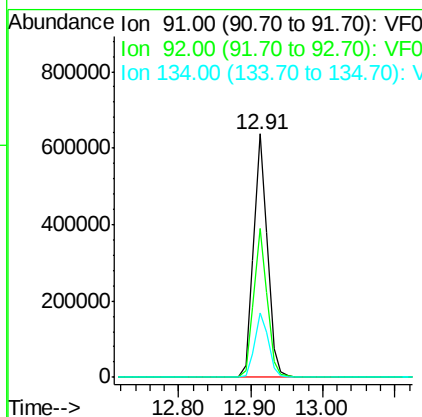
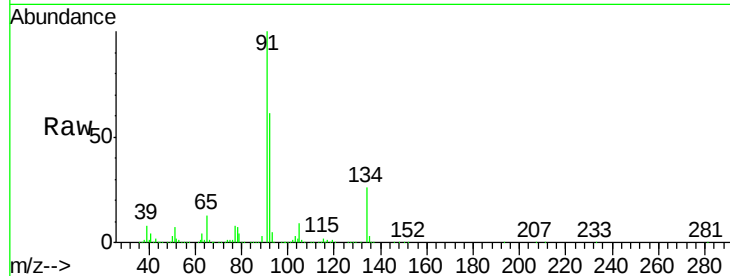
#89  
n-Butylbenzene  
Concen: 49.264 ug/l  
RT: 12.91 min Scan# 1256  
Delta R.T. -0.01 min  
Lab File: VF059168.D  
Acq: 18 Jun 2018 11:22

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 61.3  | 31.1  | 93.5  |
| 134     | 26.4  | 13.6  | 40.8  |

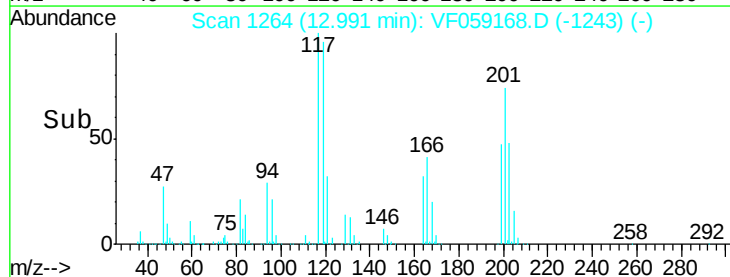
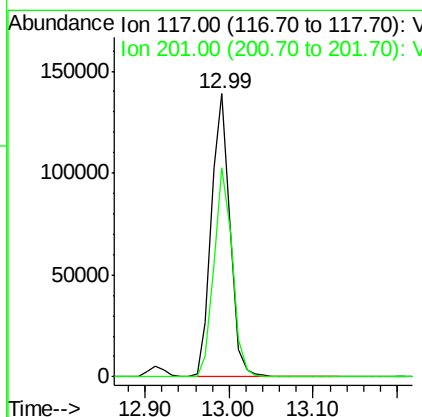
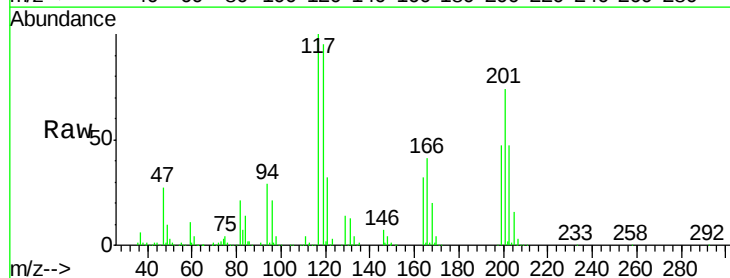
Manual Integrations  
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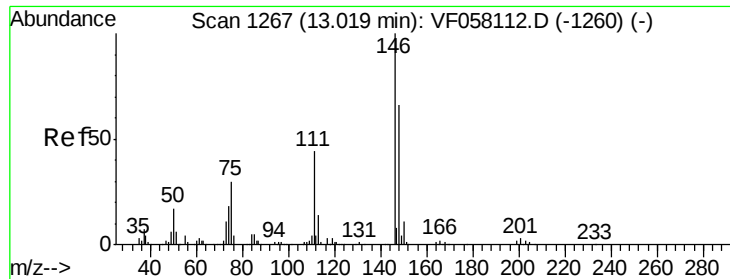
apatel  
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#90  
Hexachloroethane  
Concen: 51.313 ug/l  
RT: 12.99 min Scan# 1264  
Delta R.T. 0.00 min  
Lab File: VF059168.D  
Acq: 18 Jun 2018 11:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 73.9  | 27.5  | 82.4  |





#91

1,2-Dichlorobenzene

Concen: 52.351 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

Instrument :

MSVOA\_F

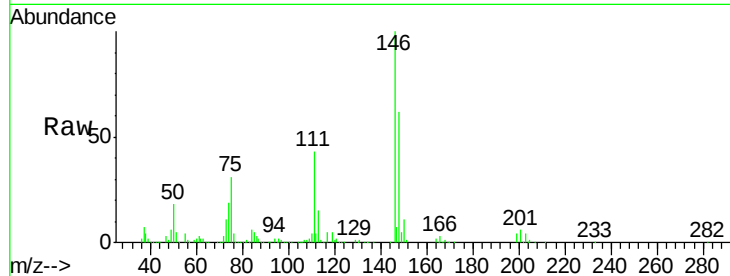
ClientSampleId :

VSTDCCC050

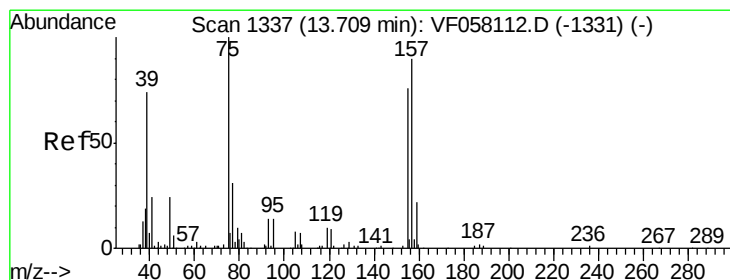
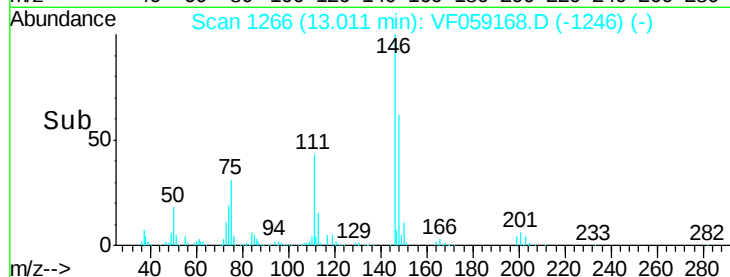
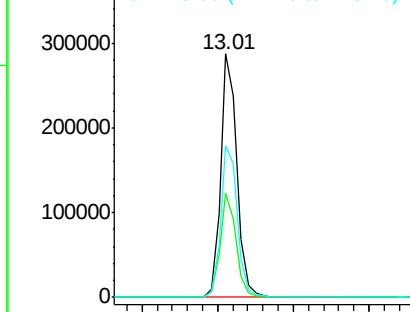
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 430331 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 43.0  | 22.0  | 66.0   |
| 148       | 62.2  | 33.1  | 99.3   |

Manual Integrations  
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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: 49.670 ug/l

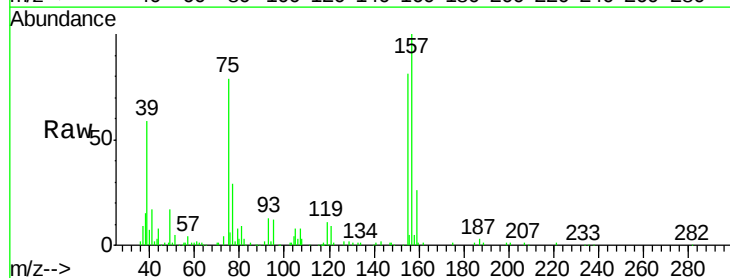
RT: 13.71 min Scan# 1337

Delta R.T. 0.00 min

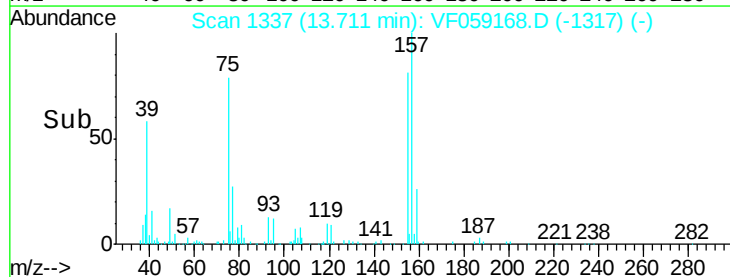
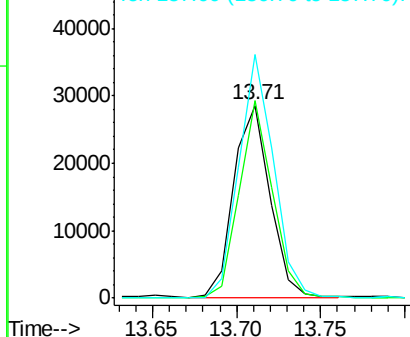
Lab File: VF059168.D

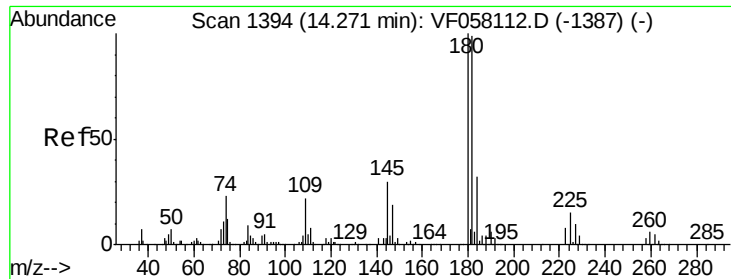
Acq: 18 Jun 2018 11:22

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 42418 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 102.7 | 38.0  | 114.0 |
| 157       | 126.2 | 45.1  | 135.5 |



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





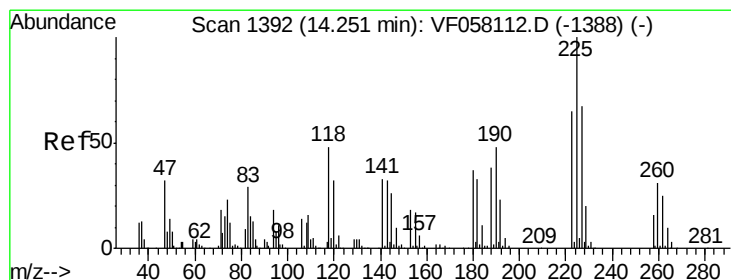
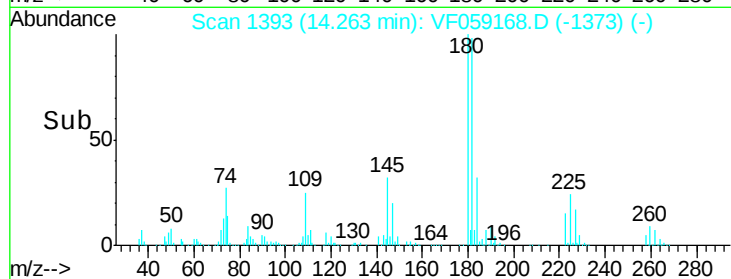
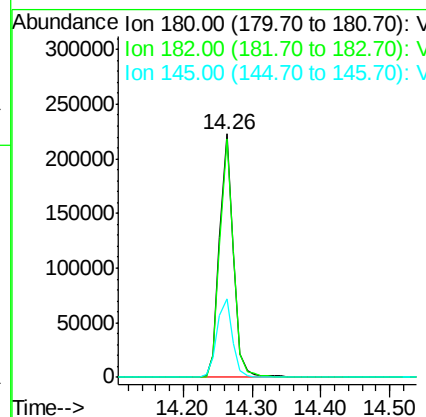
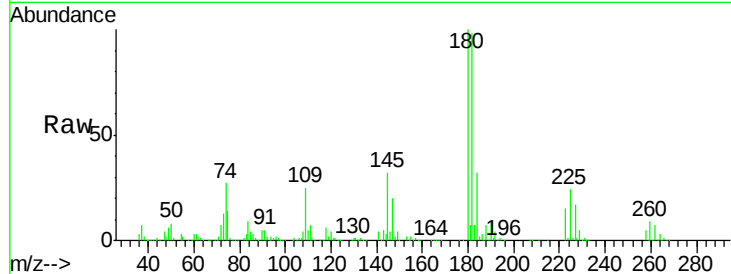
#93  
 1,2,4-Trichlorobenzene  
 Concen: 54.169 ug/l  
 RT: 14.26 min Scan# 1393  
 Delta R.T. -0.01 min  
 Lab File: VF059168.D  
 Acq: 18 Jun 2018 11:22

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 311440 |       |       |
| 182     | 97.9  | 49.3   | 147.9 |       |
| 145     | 32.3  | 14.9   | 44.9  |       |

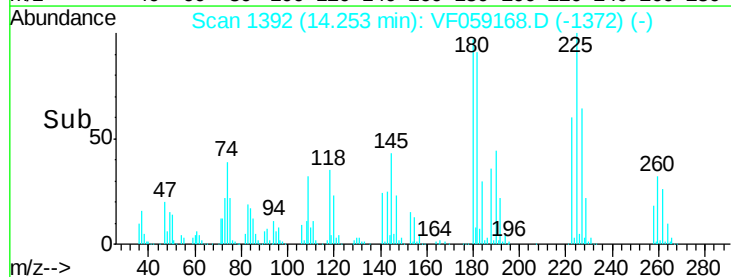
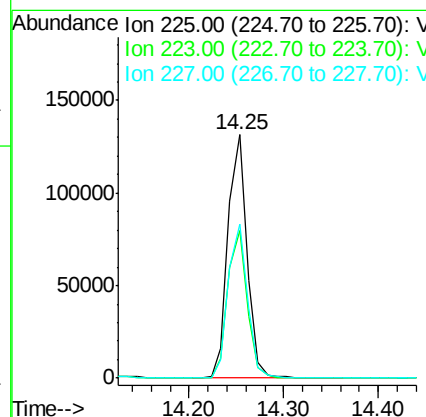
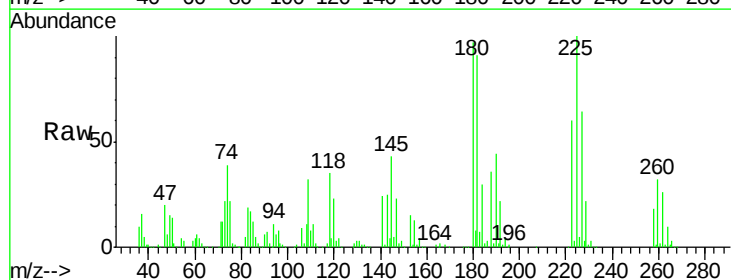
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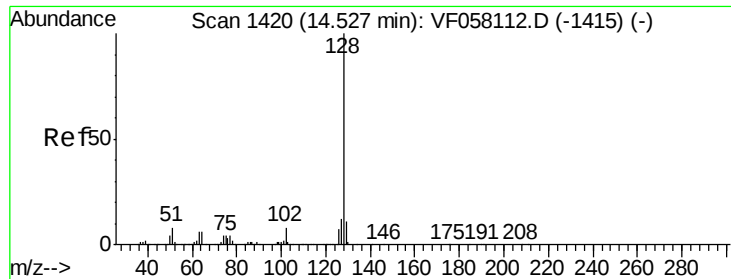
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#94  
 Hexachlorobutadiene  
 Concen: 55.241 ug/l  
 RT: 14.25 min Scan# 1392  
 Delta R.T. 0.00 min  
 Lab File: VF059168.D  
 Acq: 18 Jun 2018 11:22

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 183789 |       |       |
| 223     | 60.5  | 32.8   | 98.3  |       |
| 227     | 63.5  | 33.3   | 99.9  |       |





#95

Naphthalene

Concen: 52.610 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

Instrument :

MSVOA\_F

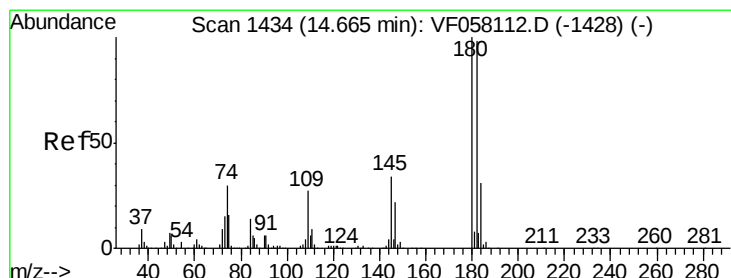
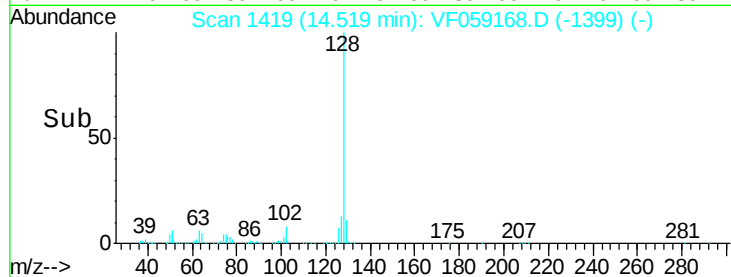
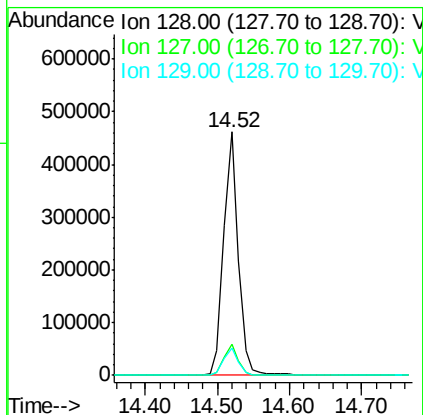
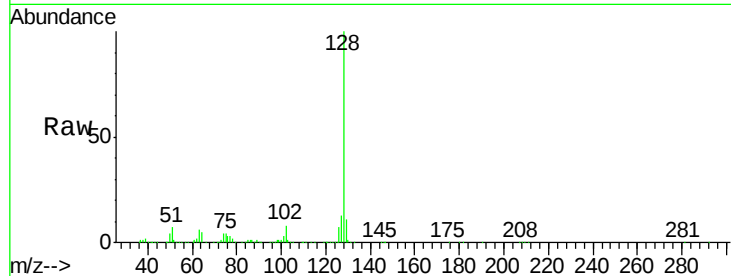
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 646087 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.7  | 9.9   | 14.9   |
| 129       | 11.1  | 8.7   | 13.1   |

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#96

1,2,3-Trichlorobenzene

Concen: 55.645 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VF059168.D

Acq: 18 Jun 2018 11:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 295643 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 97.1  | 48.9  | 146.6  |
| 145       | 29.1  | 17.3  | 51.7   |

