

Data File : VF058114.D  
Acq On : 6 Jun 2018 18:37  
Operator : JC/SY  
Sample : VSTDICC100  
Misc : 5.00g/5mL/MSVOA-F/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDICC100

Manual Integrations  
APPROVED

apatel  
6/7/2018 12:37:53 PM

Quant Time: Jun 07 06:59:17 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F060618S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 07 05:56:32 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.04  | 168  | 346958   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.77  | 114  | 580402   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.92  | 117  | 552801   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.64 | 152  | 307817   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |        |         |      |
|-----------------------------|--------|-----|----------|--------|---------|------|
| System Monitoring Compounds |        |     |          |        |         |      |
| 33) 1,2-Dichloroethane-d4   | 5.02   | 65  | 441303   | 102.32 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =      | 204.64% |      |
| 35) Dibromofluoromethane    | 4.29   | 113 | 394499   | 91.64  | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =      | 183.28% |      |
| 50) Toluene-d8              | 7.71   | 98  | 1133790  | 88.87  | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =      | 177.74% |      |
| 62) 4-Bromofluorobenzene    | 11.51  | 95  | 570138   | 89.32  | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =      | 178.64% |      |

| Target Compounds              |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 0.99 | 85  | 385077  | 91.902  | ug/l   | 99     |
| 3) Chloromethane              | 1.08 | 50  | 282431  | 85.077  | ug/l   | 99     |
| 4) Vinyl Chloride             | 1.15 | 62  | 274307  | 98.971  | ug/l   | 98     |
| 5) Bromomethane               | 1.34 | 94  | 156638  | 99.810  | ug/l   | 97     |
| 6) Chloroethane               | 1.42 | 64  | 116975  | 99.078  | ug/l   | 91     |
| 7) Trichlorofluoromethane     | 1.48 | 101 | 452496m | 107.486 | ug/l   |        |
| 8) Diethyl Ether              | 1.70 | 74  | 104096  | 101.534 | ug/l   | 82     |
| 9) 1,1,2-Trichlorotrifluoroet | 1.90 | 101 | 258921  | 99.789  | ug/l   | 98     |
| 10) Methyl Iodide             | 1.96 | 142 | 472639m | 102.455 | ug/l   |        |
| 11) Tert butyl alcohol        | 2.68 | 59  | 139285  | 564.882 | ug/l   | 97     |
| 12) 1,1-Dichloroethene        | 1.85 | 96  | 230468  | 102.082 | ug/l   | 90     |
| 13) Acrolein                  | 2.08 | 56  | 111000  | 692.029 | ug/l   | 95     |
| 14) Allyl chloride            | 2.18 | 41  | 433471  | 100.426 | ug/l   | 100    |
| 15) Acrylonitrile             | 3.07 | 53  | 301264  | 528.512 | ug/l   | 96     |
| 16) Acetone                   | 2.33 | 43  | 526625  | 557.725 | ug/l   | 95     |
| 17) Carbon Disulfide          | 1.83 | 76  | 662366m | 102.234 | ug/l   |        |
| 18) Methyl Acetate            | 2.44 | 43  | 176178  | 100.049 | ug/l   | 94     |
| 19) Methyl tert-butyl Ether   | 2.53 | 73  | 737850  | 104.360 | ug/l   | 99     |
| 20) Methylene Chloride        | 2.27 | 84  | 222700m | 96.335  | ug/l   |        |
| 21) trans-1,2-Dichloroethene  | 2.40 | 96  | 244106  | 100.161 | ug/l   | 95     |
| 22) Diisopropyl ether         | 2.92 | 45  | 897696  | 106.244 | ug/l   | 95     |
| 23) Vinyl Acetate             | 3.32 | 43  | 2900256 | 468.481 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 3.00 | 63  | 544914  | 104.113 | ug/l   | 99     |
| 25) 2-Butanone                | 4.50 | 43  | 784382  | 512.100 | ug/l   | 98     |
| 26) 2,2-Dichloropropane       | 3.76 | 77  | 365532  | 98.819  | ug/l   | 92     |
| 27) cis-1,2-Dichloroethene    | 3.63 | 96  | 381292  | 94.083  | ug/l   | 96     |
| 28) Bromochloromethane        | 3.88 | 49  | 231996  | 100.334 | ug/l # | 95     |
| 29) Tetrahydrofuran           | 4.24 | 42  | 346701  | 490.372 | ug/l   | 96     |
| 30) Chloroform                | 4.03 | 83  | 749693  | 95.483  | ug/l   | 93     |
| 31) Cyclohexane               | 3.85 | 56  | 444520  | 90.242  | ug/l   | 99     |
| 32) 1,1,1-Trichloroethane     | 4.27 | 97  | 548029  | 98.334  | ug/l   | 98     |
| 36) 1,1-Dichloropropene       | 4.46 | 75  | 537506  | 91.567  | ug/l   | 98     |
| 37) Ethyl Acetate             | 4.28 | 43  | 343300  | 99.182  | ug/l   | 97     |
| 38) Carbon Tetrachloride      | 4.16 | 117 | 597993m | 95.887  | ug/l   |        |

Data File : VF058114.D  
Acq On : 6 Jun 2018 18:37  
Operator : JC/SY  
Sample : VSTDICC100  
Misc : 5.00g/5mL/MSVOA-F/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDICC100

Manual Integrations  
APPROVED

apatel  
6/7/2018 12:37:53 PM

Quant Time: Jun 07 06:59:17 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F060618S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 07 05:56:32 2018  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 5.62  | 83   | 544522   | 89.772   | ug/l   | 99       |
| 40) Benzene                    | 4.80  | 78   | 1243159  | 90.454   | ug/l   | 98       |
| 41) Methacrylonitrile          | 4.92  | 41   | 176713   | 100.813  | ug/l   | 94       |
| 42) 1,2-Dichloroethane         | 5.12  | 62   | 592949   | 100.471  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 7.11  | 43   | 485723   | 103.506  | ug/l # | 94       |
| 44) Trichloroethene            | 5.67  | 130  | 386561   | 90.305   | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 6.40  | 63   | 357553   | 89.493   | ug/l   | 95       |
| 46) Dibromomethane             | 6.25  | 93   | 289678   | 96.050   | ug/l   | 96       |
| 47) Bromodichloromethane       | 6.54  | 83   | 630344   | 94.728   | ug/l   | 99       |
| 48) Methyl methacrylate        | 6.87  | 41   | 301717   | 101.718  | ug/l   | 96       |
| 49) 1,4-Dioxane                | 6.85  | 88   | 36023    | 1759.976 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone       | 8.40  | 43   | 1523121  | 467.559  | ug/l   | 98       |
| 52) Toluene                    | 7.78  | 92   | 874575   | 89.625   | ug/l   | 94       |
| 53) t-1,3-Dichloropropene      | 8.43  | 75   | 603799   | 94.976   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 7.45  | 75   | 695164   | 95.176   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 8.63  | 97   | 333601   | 94.032   | ug/l   | 95       |
| 56) Ethyl methacrylate         | 8.76  | 69   | 445334   | 99.256   | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 9.00  | 76   | 571224   | 92.480   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 7.78  | 63   | 141461   | 456.050  | ug/l   | 100      |
| 59) 2-Hexanone                 | 9.63  | 43   | 1213665  | 475.791  | ug/l   | 100      |
| 60) Dibromochloromethane       | 8.86  | 129  | 496467   | 98.415   | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 9.14  | 107  | 403323   | 95.287   | ug/l   | 96       |
| 64) Tetrachloroethene          | 8.30  | 164  | 390158   | 93.501   | ug/l   | 94       |
| 65) Chlorobenzene              | 9.94  | 112  | 1052967  | 94.010   | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.07 | 131  | 419501   | 95.817   | ug/l   | 98       |
| 67) Ethyl Benzene              | 10.03 | 91   | 1773751  | 90.102   | ug/l   | 99       |
| 68) m/p-Xylenes                | 10.27 | 106  | 1271264  | 174.180  | ug/l   | 95       |
| 69) o-Xylene                   | 10.82 | 106  | 737225   | 92.740   | ug/l   | 98       |
| 70) Styrene                    | 10.90 | 104  | 1085905  | 91.102   | ug/l   | 98       |
| 71) Bromoform                  | 10.89 | 173  | 308429   | 102.435  | ug/l # | 95       |
| 73) Isopropylbenzene           | 11.23 | 105  | 1958211  | 89.581   | ug/l   | 96       |
| 74) N-amyl acetate             | 11.46 | 43   | 747129   | 91.653   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.79 | 83   | 490428   | 93.660   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 11.89 | 75   | 368319   | 96.397   | ug/l   | 100      |
| 77) Bromobenzene               | 11.59 | 156  | 516023   | 94.729   | ug/l   | 93       |
| 78) n-propylbenzene            | 11.69 | 91   | 2268658  | 86.857   | ug/l   | 96       |
| 79) 2-Chlorotoluene            | 11.81 | 91   | 1344716  | 87.149   | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene     | 11.92 | 105  | 1574498  | 86.884   | ug/l   | 95       |
| 81) trans-1,4-Dichloro-2-buten | 11.96 | 75   | 248637   | 102.745  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 11.99 | 91   | 1456527  | 89.507   | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.21 | 119  | 1555861  | 85.843   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 12.29 | 105  | 1596145  | 84.905   | ug/l   | 98       |
| 85) sec-Butylbenzene           | 12.39 | 105  | 2104490  | 85.721   | ug/l   | 95       |
| 86) p-Isopropyltoluene         | 12.54 | 119  | 1776051  | 86.777   | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene        | 12.56 | 146  | 899793   | 89.602   | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene        | 12.65 | 146  | 908461   | 94.228   | ug/l   | 97       |
| 89) n-Butylbenzene             | 12.92 | 91   | 1727698  | 80.994   | ug/l   | 94       |
| 90) Hexachloroethane           | 12.99 | 117  | 463064   | 93.815   | ug/l   | 88       |
| 91) 1,2-Dichlorobenzene        | 13.02 | 146  | 901979   | 92.527   | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.71 | 75   | 105642   | 105.776  | ug/l   | 89       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_F\DATA\VF060618\  
Quantitation Report (QT Reviewed)

Data File : VF058114.D  
Acq On : 6 Jun 2018 18:37  
Operator : JC/SY  
Sample : VSTDICC100  
Misc : 5.00g/5mL/MSVOA-F/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDICC100

Manual Integrations  
APPROVED

apatel  
6/7/2018 12:37:53 PM

Quant Time: Jun 07 06:59:17 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F060618S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 07 05:56:32 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|----------------------------|-------|------|----------|---------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.26 | 180  | 639936   | 93.598  | ug/l  | 94       |
| 94) Hexachlorobutadiene    | 14.25 | 225  | 362051   | 91.723  | ug/l  | 96       |
| 95) Naphthalene            | 14.52 | 128  | 1476629  | 101.171 | ug/l  | 98       |
| 96) 1,2,3-Trichlorobenzene | 14.67 | 180  | 616275   | 95.671  | ug/l  | 99       |

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

Data File : VF058114.D

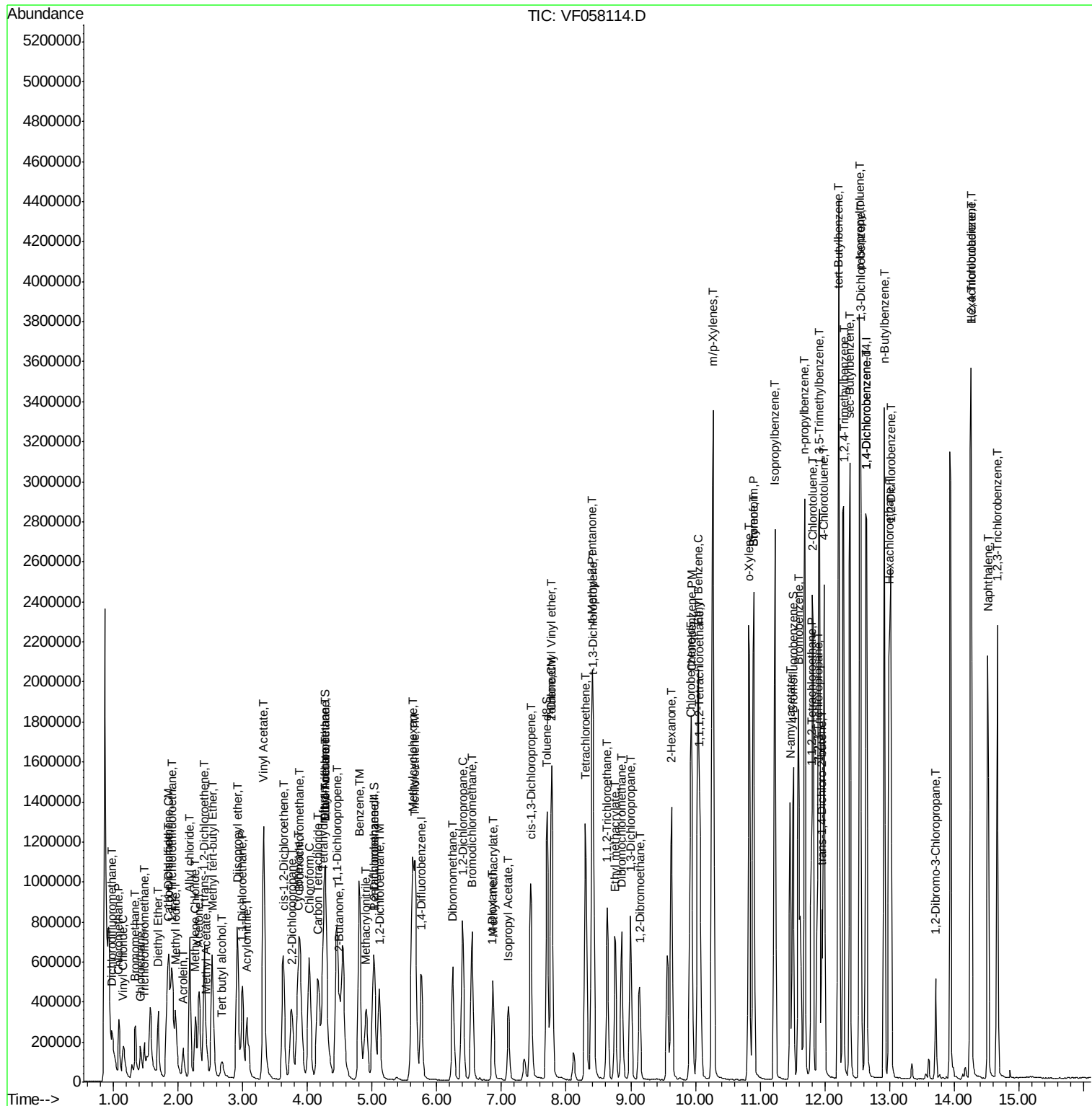
```
Acq On       : 6 Jun 2018 18:37
Operator    : JC/SY
Sample      : VSTDICC100
Misc       : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial    : 8      Sample Multiplier: 1
```

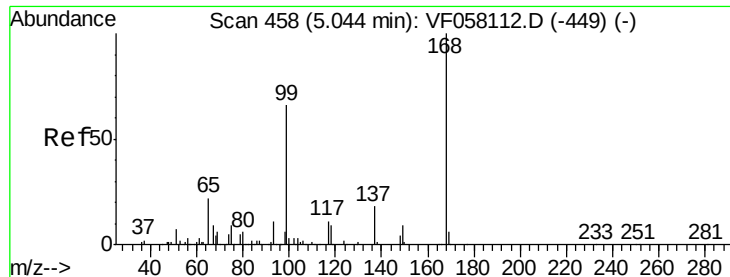
**Instrument :**  
MSVOA\_F  
**ClientSampleId :**  
VSTDICC100

## Manual Integrations APPROVED

apatel  
6/7/2018 12:37:53 PM

Quant Time: Jun 07 06:59:17 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F060618S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 07 05:56:32 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA\_F

ClientSampleId :

VSTDIC100

Tgt Ion:168 Resp: 346958

Ion Ratio Lower Upper

168 100

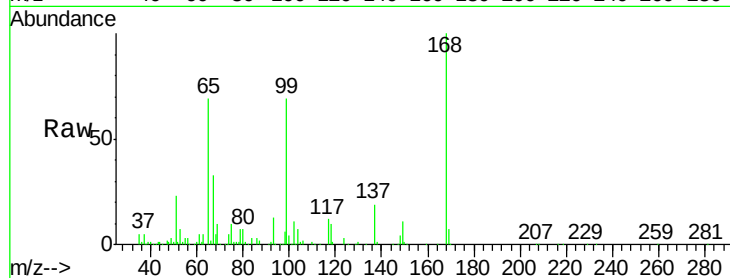
99 69.4 52.9 79.3

Manual Integrations

APPROVED

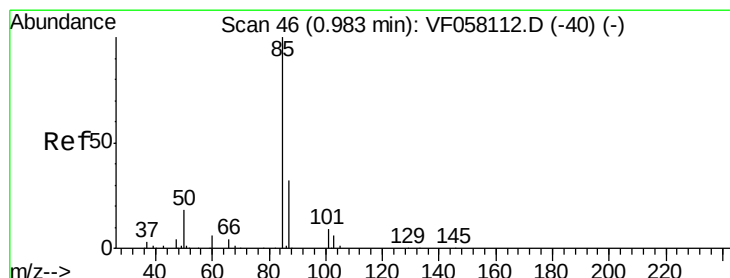
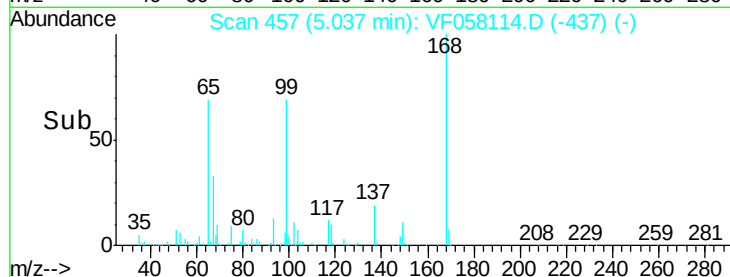
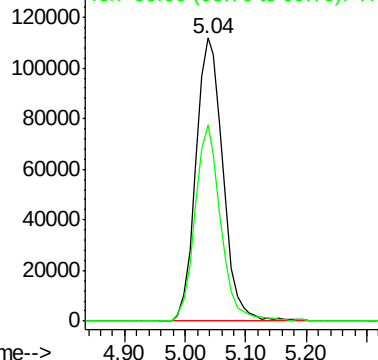
apatel

6/7/2018 12:37:53 PM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 91.902 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF058114.D

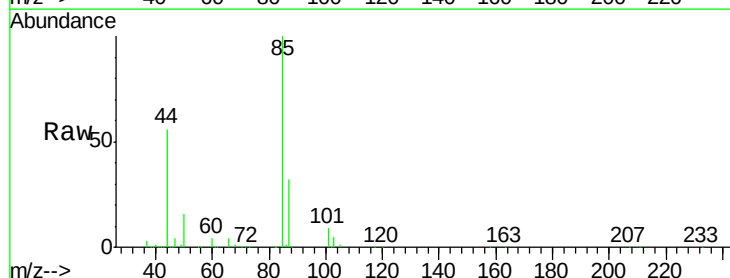
Acq: 6 Jun 2018 18:37

Tgt Ion: 85 Resp: 385077

Ion Ratio Lower Upper

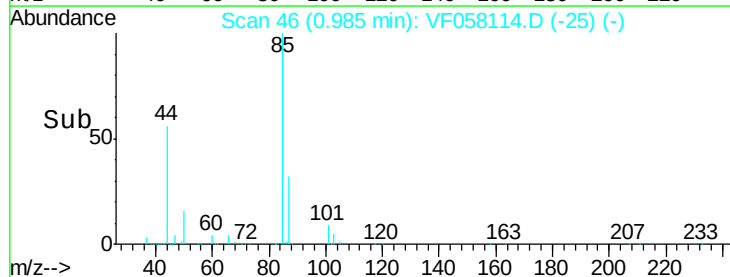
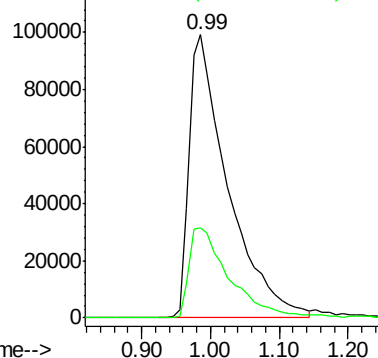
85 100

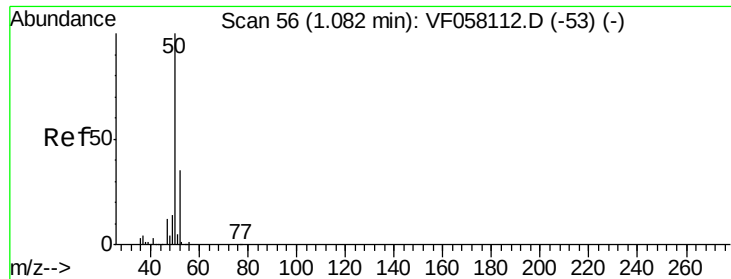
87 31.7 16.2 48.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 85.077 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA\_F

ClientSampleId :

VSTDIC100

Tgt Ion: 50 Resp: 282431

Ion Ratio Lower Upper

50 100

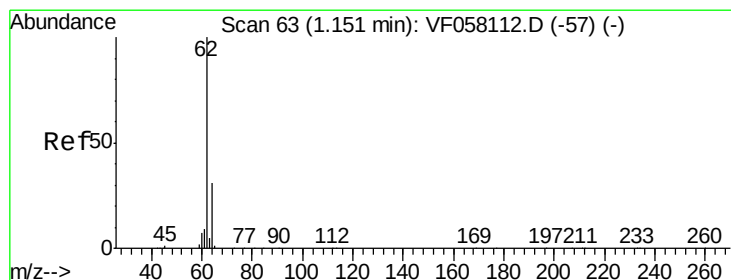
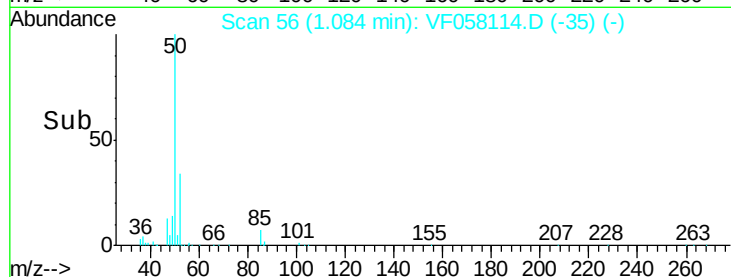
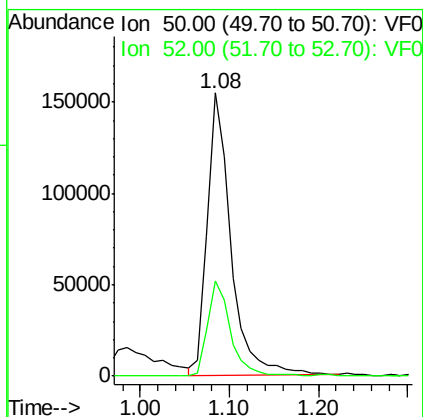
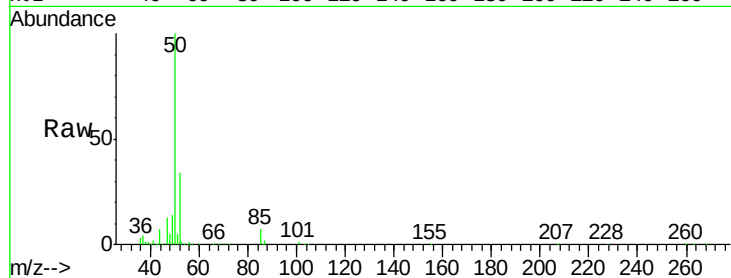
52 33.6 27.3 40.9

Manual Integrations

APPROVED

apatel

6/7/2018 12:37:53 PM



#4

Vinyl Chloride

Concen: 98.971 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF058114.D

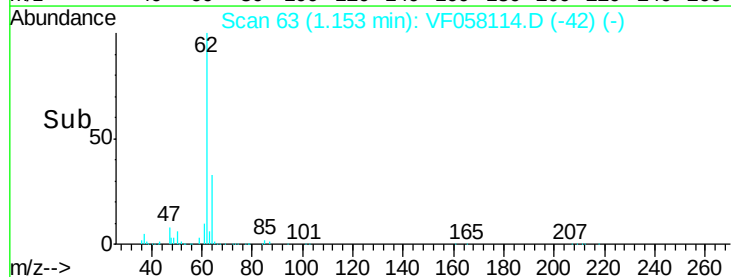
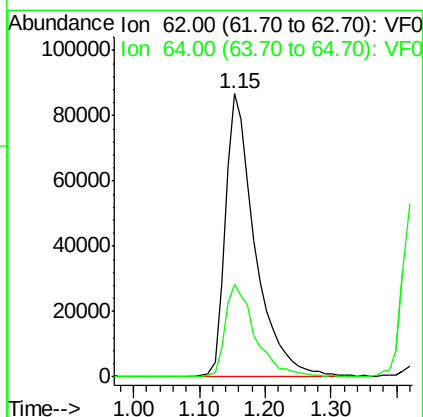
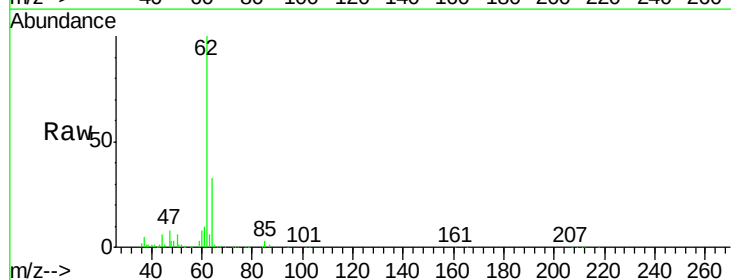
Acq: 6 Jun 2018 18:37

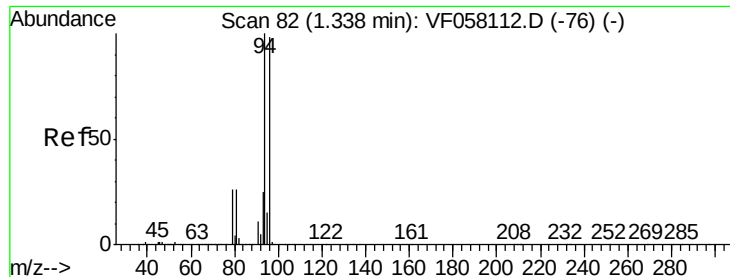
Tgt Ion: 62 Resp: 274307

Ion Ratio Lower Upper

62 100

64 32.5 25.0 37.6





#5

Bromomethane

Concen: 99.810 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA\_F

ClientSampleId :

VSTDIC100

Tgt Ion: 94 Resp: 156638

Ion Ratio Lower Upper

94 100

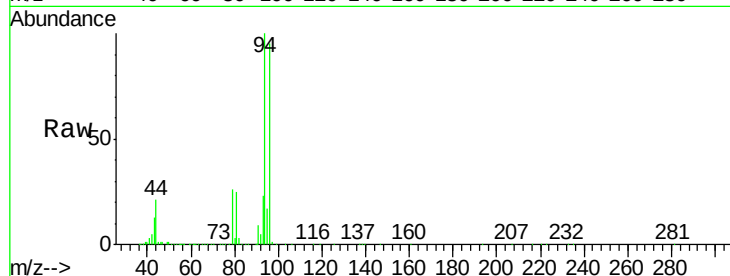
96 95.3 78.6 117.8

Manual Integrations

APPROVED

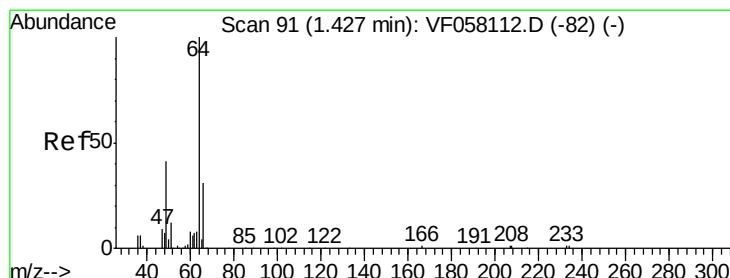
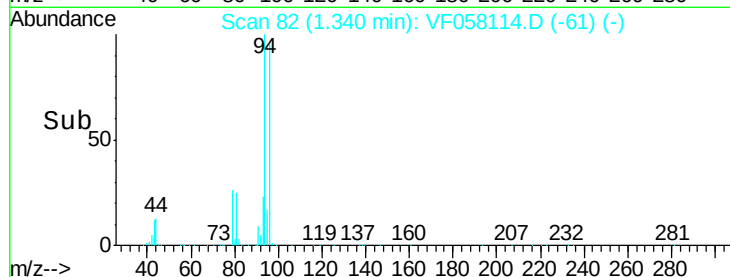
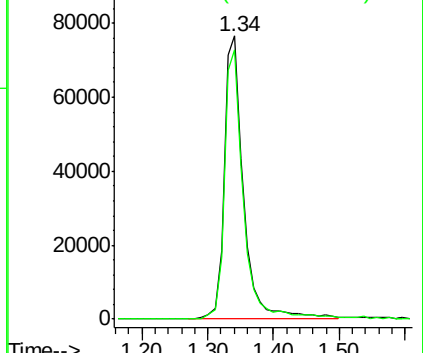
apatel

6/7/2018 12:37:53 PM



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 99.078 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF058114.D

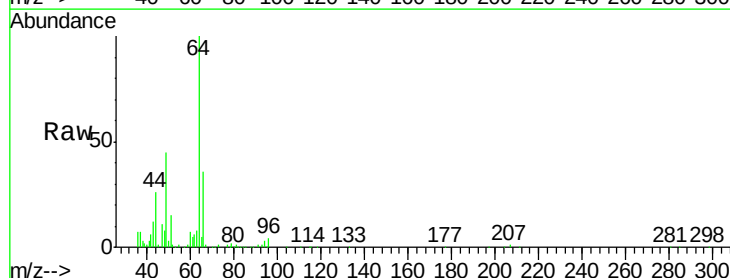
Acq: 6 Jun 2018 18:37

Tgt Ion: 64 Resp: 116975

Ion Ratio Lower Upper

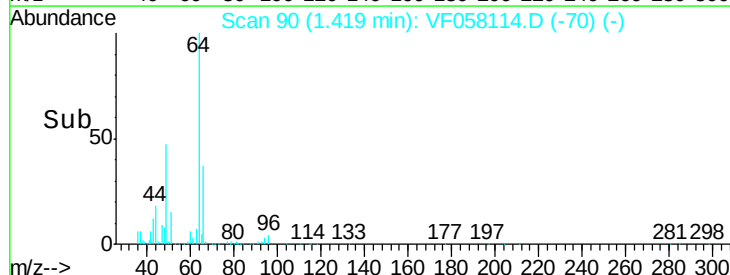
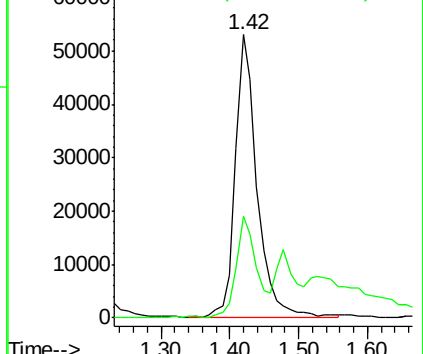
64 100

66 35.8 24.9 37.3

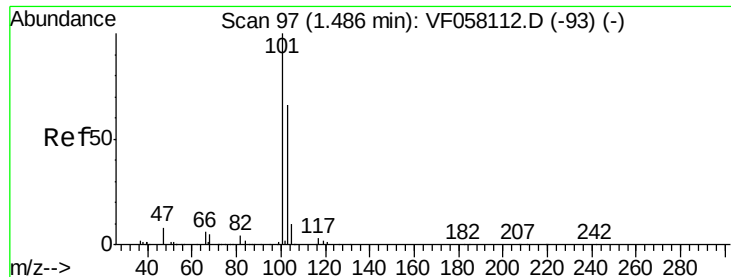


Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0







#7

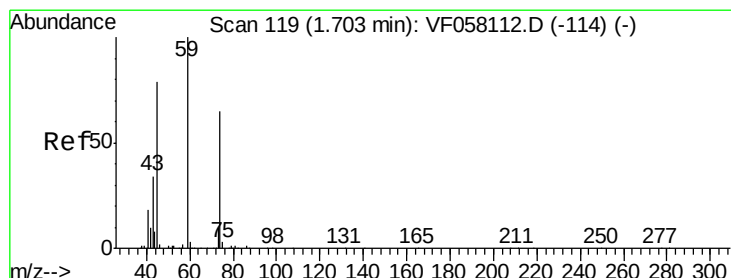
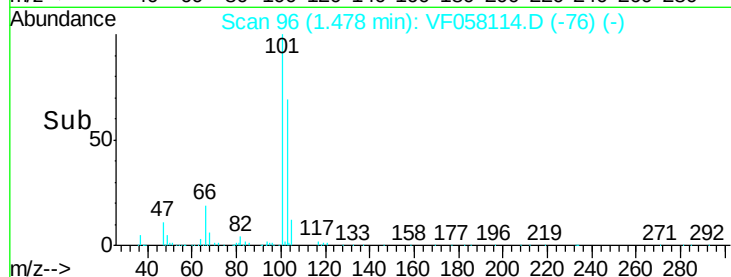
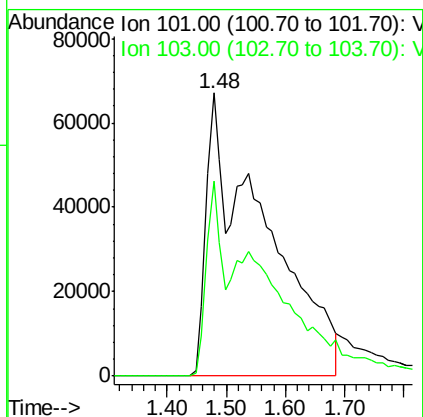
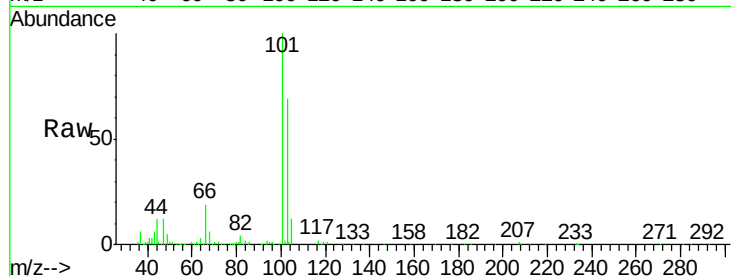
Trichlorofluoromethane  
Concen: 107.486 ug/l m  
RT: 1.48 min Scan# 96  
Delta R.T. -0.01 min  
Lab File: VF058114.D  
Acq: 6 Jun 2018 18:37

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDIC100

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 68.7  | 53.4  | 80.2  |

Manual Integrations  
APPROVED

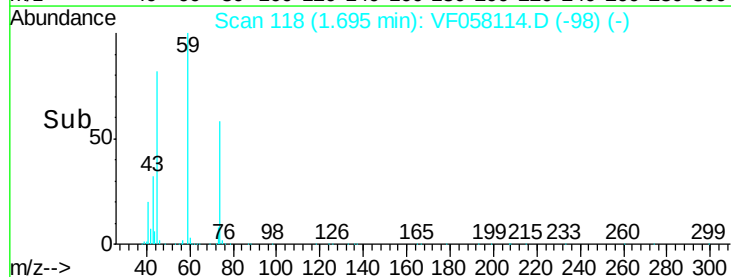
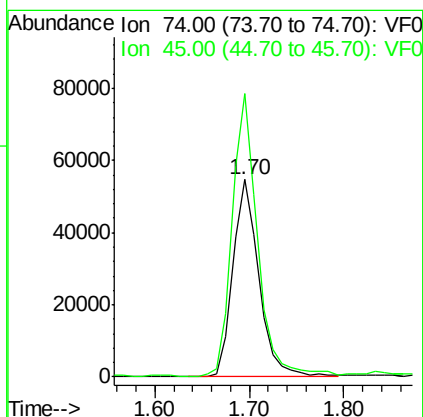
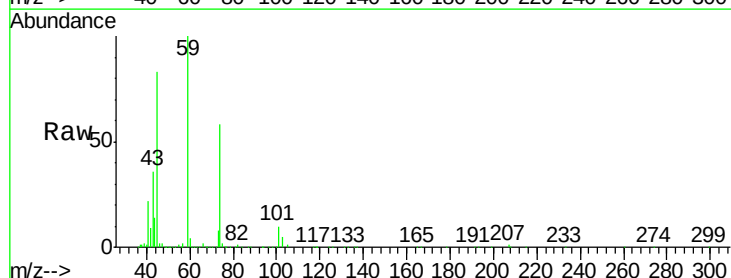
apatel  
6/7/2018 12:37:53 PM



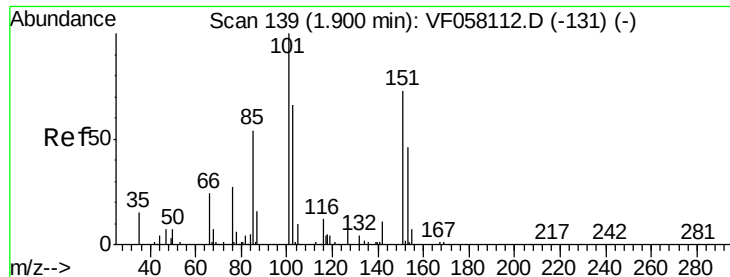
#8

Diethyl Ether  
Concen: 101.534 ug/l  
RT: 1.70 min Scan# 118  
Delta R.T. -0.01 min  
Lab File: VF058114.D  
Acq: 6 Jun 2018 18:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 143.6 | 61.5  | 184.4 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 99.789 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA\_F

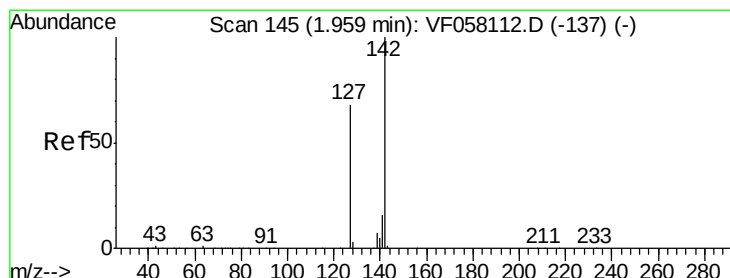
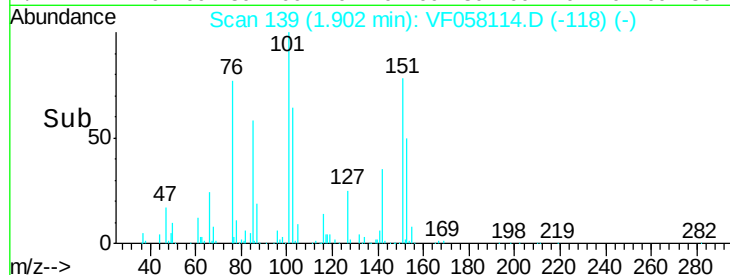
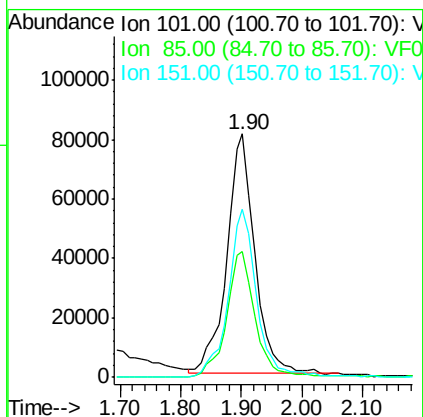
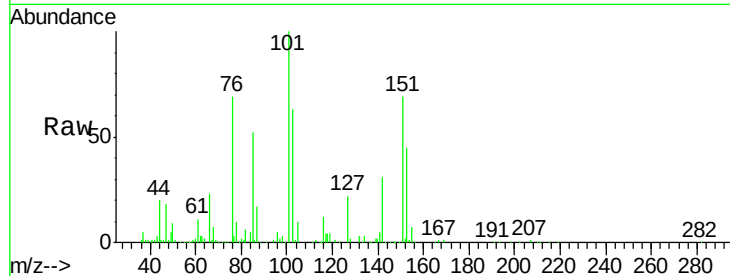
ClientSampleId :

VSTDIC100

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 101   | Resp: | 258921 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 51.8  | 42.2  | 63.4   |
| 151       | 68.9  | 56.8  | 85.2   |

Manual Integrations  
APPROVED

apatel  
6/7/2018 12:37:53 PM



#10

Methyl Iodide

Concen: 102.455 ug/l m

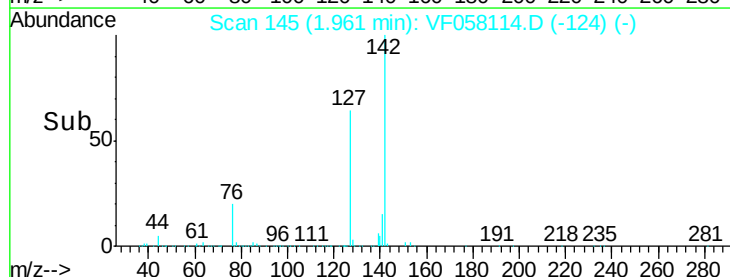
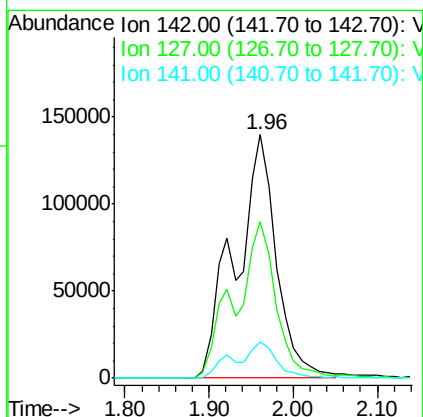
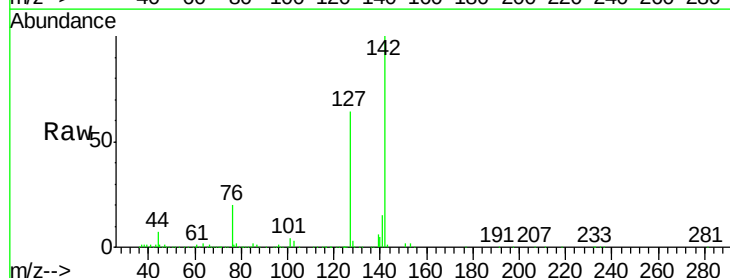
RT: 1.96 min Scan# 145

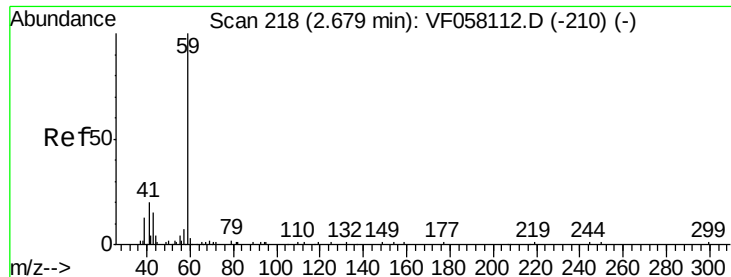
Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 472639 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 64.4  | 54.1  | 81.1   |
| 141       | 15.0  | 13.0  | 19.4   |





#11

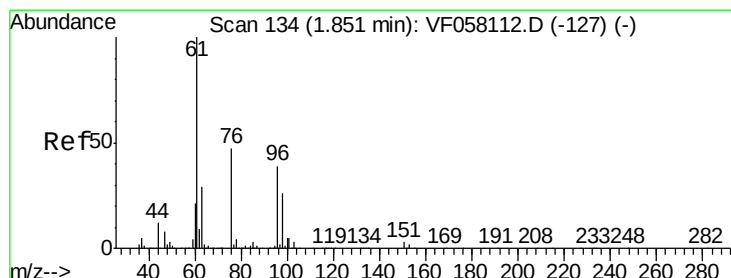
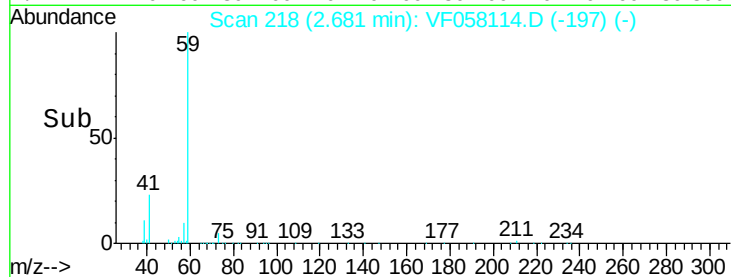
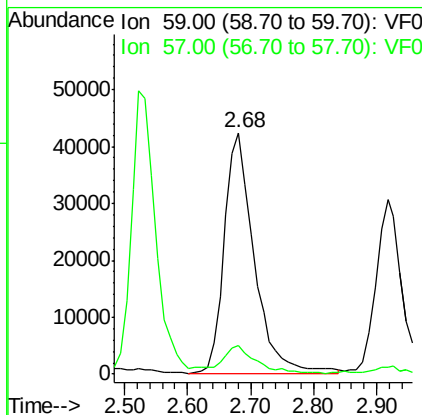
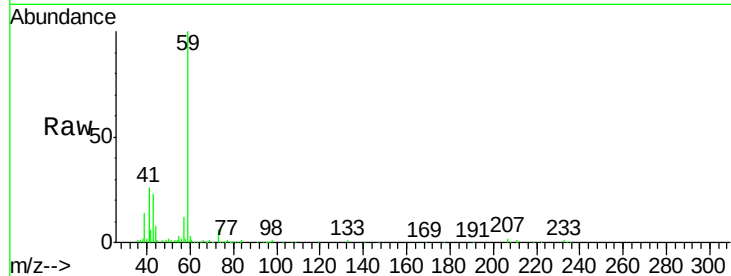
Tert butyl alcohol  
Concen: 564.882 ug/l  
RT: 2.68 min Scan# 218  
Delta R.T. 0.00 min  
Lab File: VF058114.D  
Acq: 6 Jun 2018 18:37

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDIC100

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 11.9  | 8.7   | 13.1  |

Manual Integrations  
APPROVED

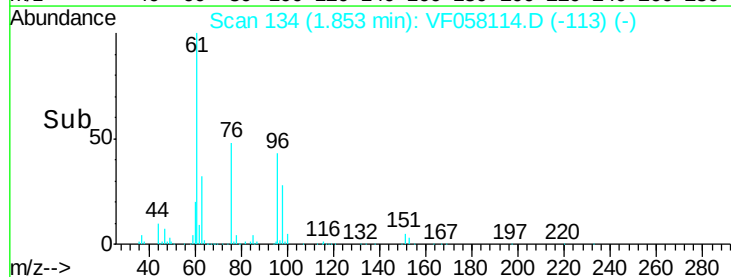
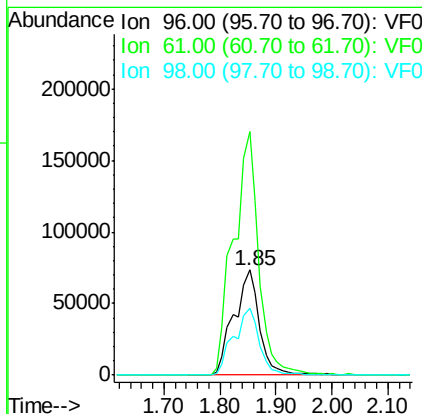
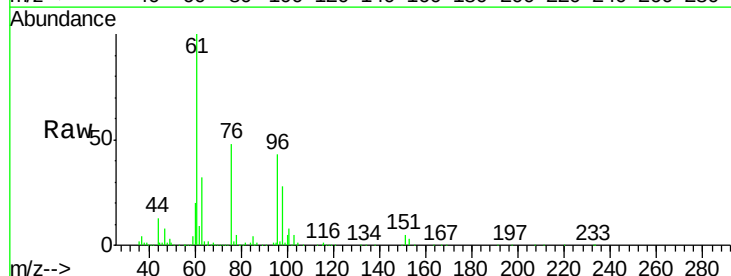
apatel  
6/7/2018 12:37:53 PM

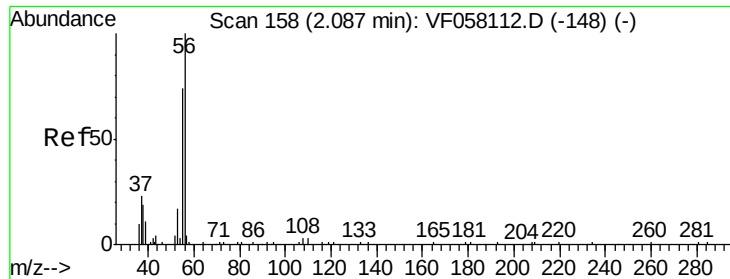


#12

1,1-Dichloroethene  
Concen: 102.082 ug/l  
RT: 1.85 min Scan# 134  
Delta R.T. 0.00 min  
Lab File: VF058114.D  
Acq: 6 Jun 2018 18:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 232.0 | 203.0 | 304.4 |
| 98      | 64.3  | 52.7  | 79.1  |





#13

Acrolein

Concen: 692.029 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA\_F

ClientSampleId :

VSTDIC100

Tgt Ion: 56 Resp: 111000

Ion Ratio Lower Upper

56 100

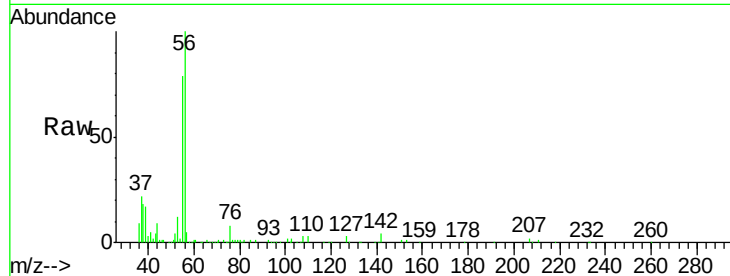
55 79.2 60.0 90.0

Manual Integrations

APPROVED

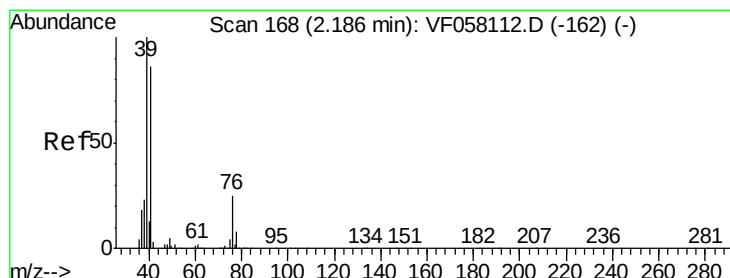
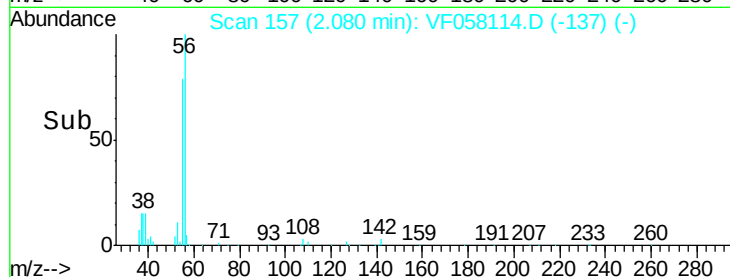
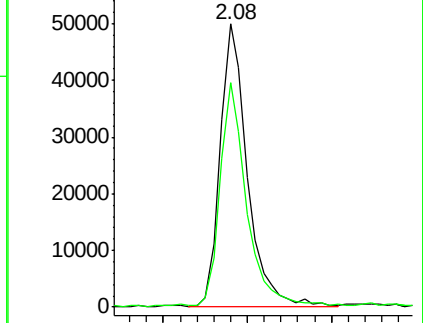
apatel

6/7/2018 12:37:53 PM



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 100.426 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

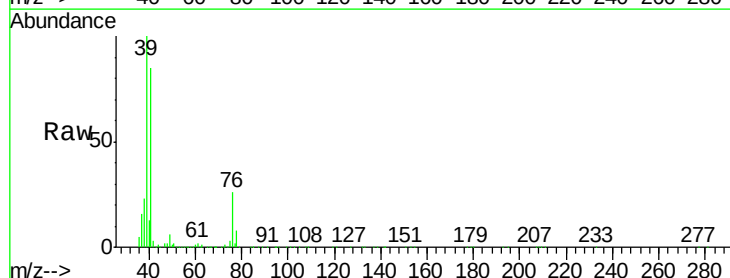
Tgt Ion: 41 Resp: 433471

Ion Ratio Lower Upper

41 100

39 117.2 93.5 140.3

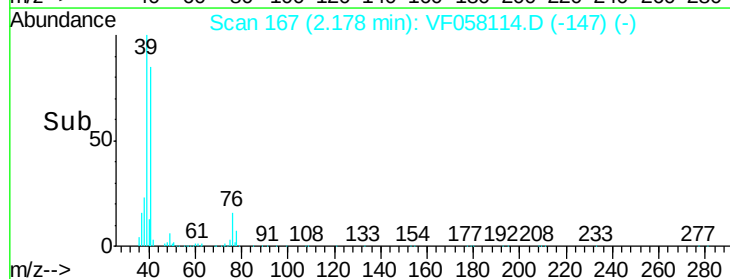
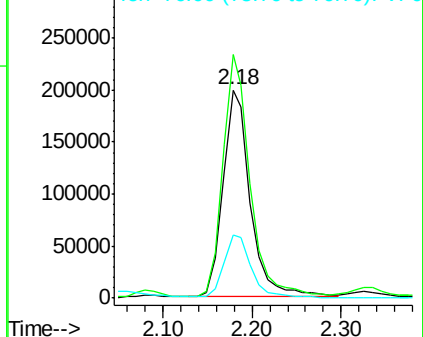
76 30.3 23.9 35.9

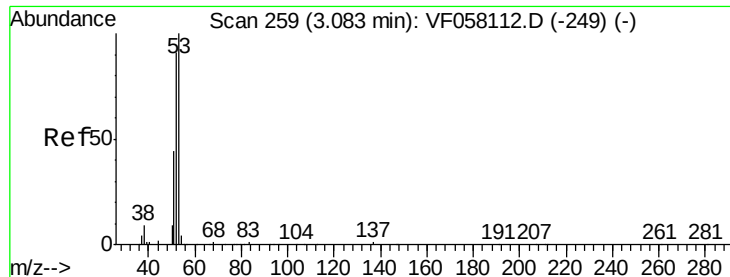


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 528.512 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.02 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA\_F

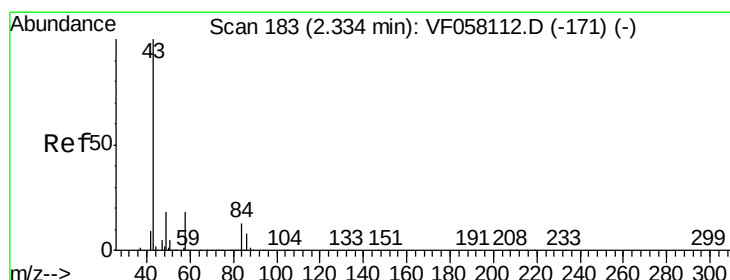
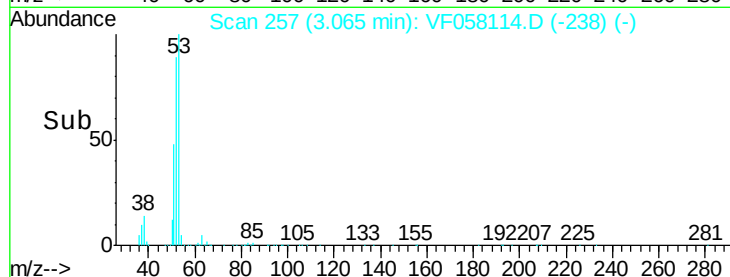
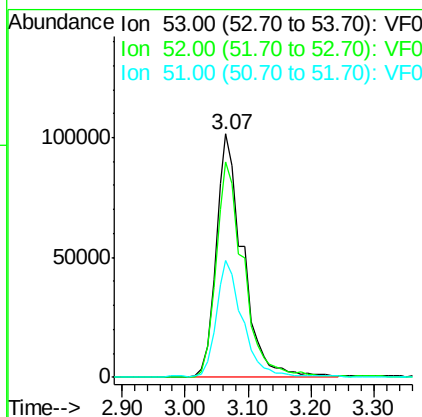
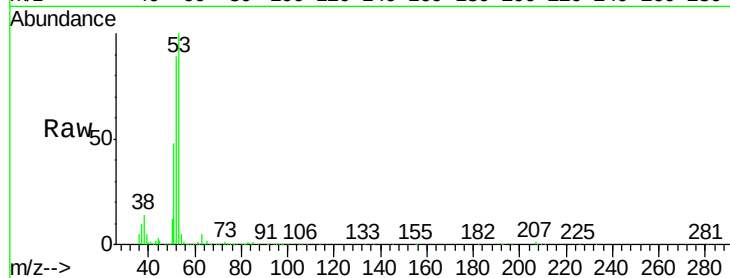
ClientSampleId :

VSTDICC100

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 53    | Resp: | 301264 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 88.7  | 73.2  | 109.8  |
| 51       | 48.0  | 35.6  | 53.4   |

Manual Integrations  
APPROVED

apatel  
6/7/2018 12:37:53 PM



#16

Acetone

Concen: 557.725 ug/l

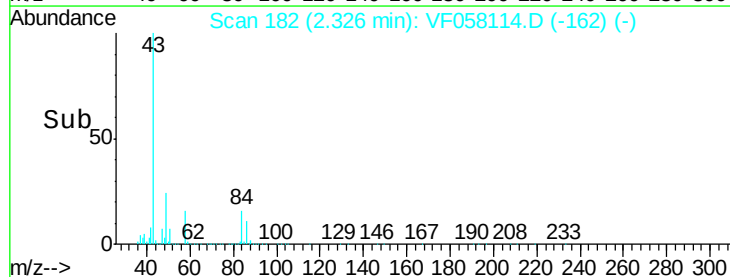
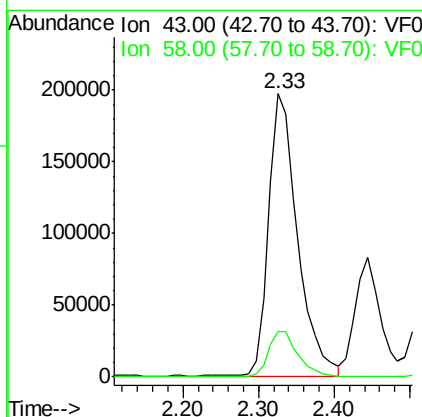
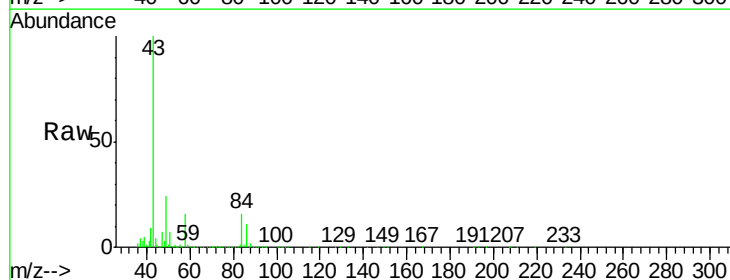
RT: 2.33 min Scan# 182

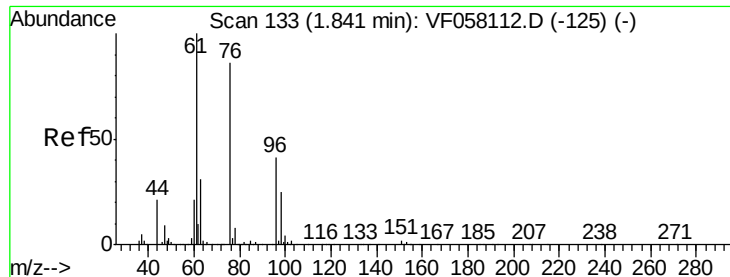
Delta R.T. -0.01 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 526625 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 16.0  | 14.4  | 21.6   |





#17

Carbon Disulfide

Concen: 102.234 ug/l m

RT: 1.83 min Scan# 132

Delta R.T. -0.01 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Tgt Ion: 76 Resp: 662366

Ion Ratio Lower Upper

76 100

78 9.4 7.8 11.8

Instrument :

MSVOA\_F

ClientSampleId :

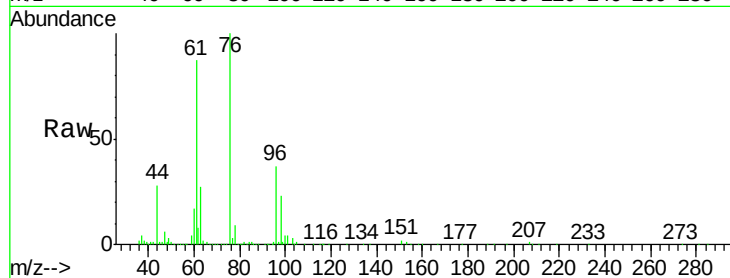
VSTDIC100

Manual Integrations

APPROVED

apatel

6/7/2018 12:37:53 PM



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

120000

100000

80000

60000

40000

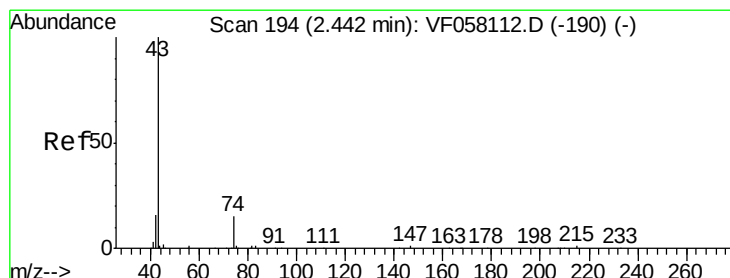
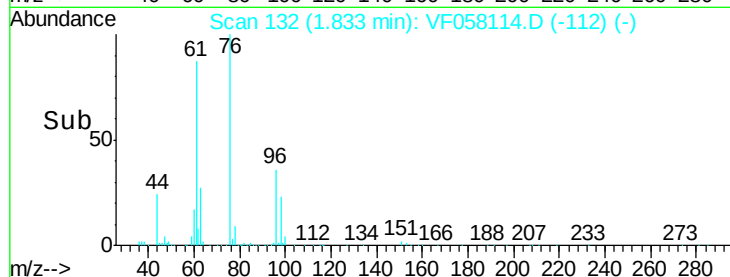
20000

0

1.83

Time-->

1.70 1.80 1.90 2.00 2.10



#18

Methyl Acetate

Concen: 100.049 ug/l

RT: 2.44 min Scan# 194

Delta R.T. 0.00 min

Lab File: VF058114.D

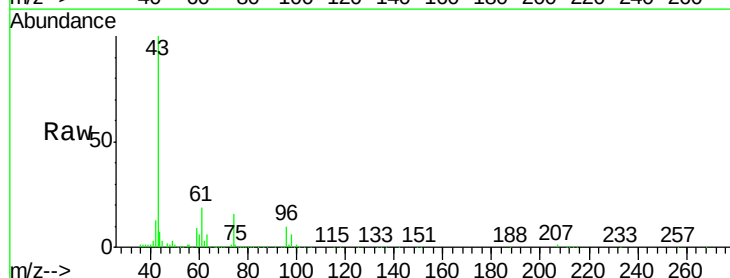
Acq: 6 Jun 2018 18:37

Tgt Ion: 43 Resp: 176178

Ion Ratio Lower Upper

43 100

74 16.0 10.9 16.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

100000

80000

60000

40000

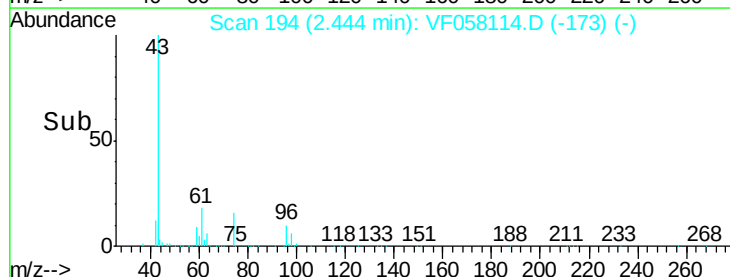
20000

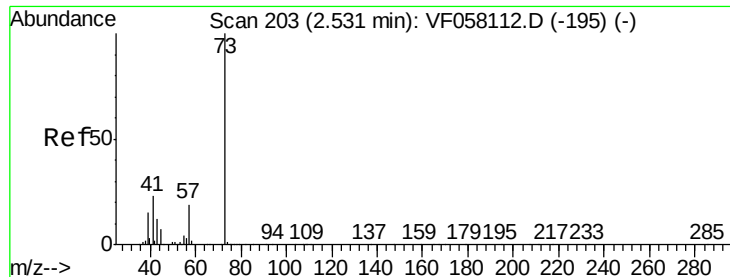
0

2.44

Time-->

2.40 2.45 2.50





#19

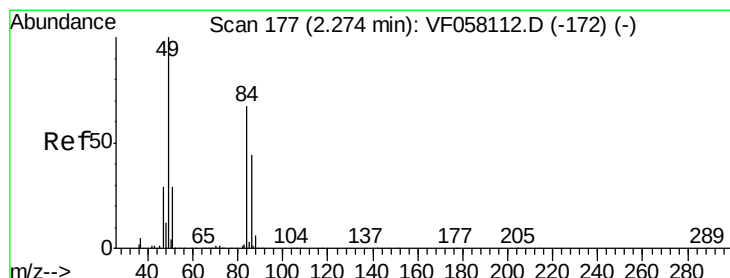
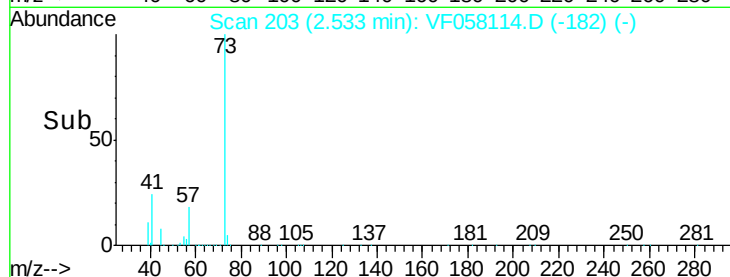
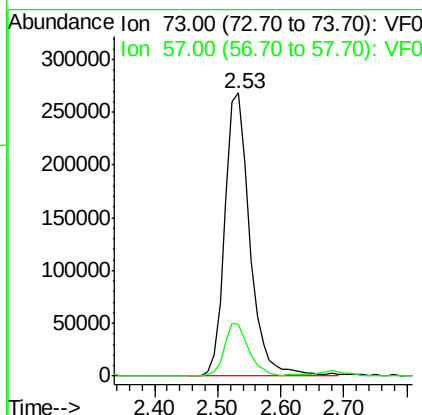
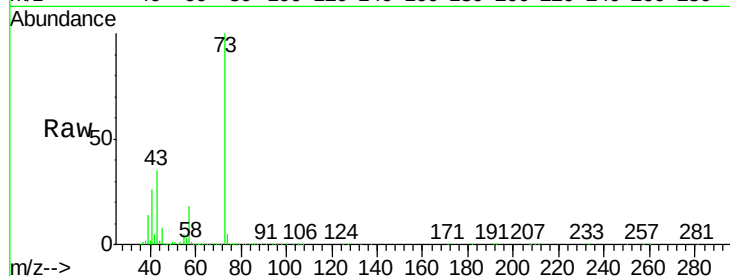
Methyl tert-butyl Ether  
 Concen: 104.360 ug/l  
 RT: 2.53 min Scan# 203  
 Delta R.T. 0.00 min  
 Lab File: VF058114.D  
 Acq: 6 Jun 2018 18:37

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDIC100

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 18.1  | 15.0  | 22.4  |

Manual Integrations  
 APPROVED

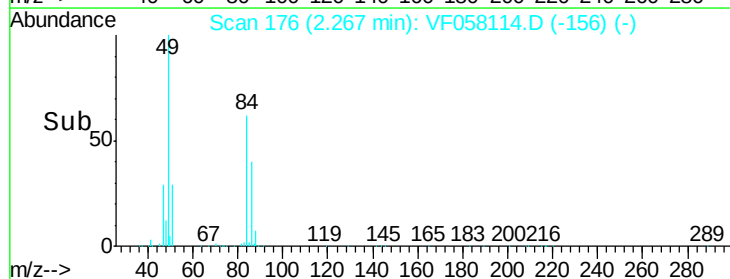
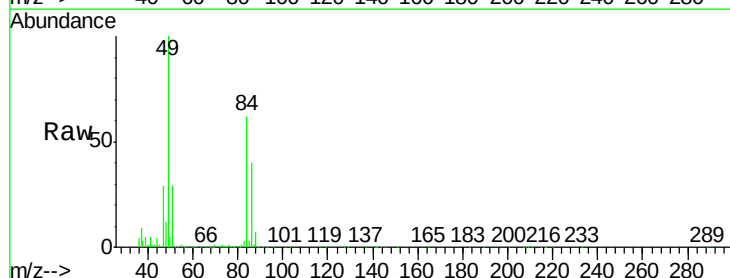
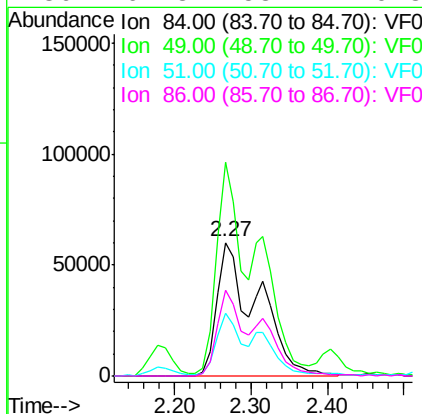
apatel  
 6/7/2018 12:37:53 PM

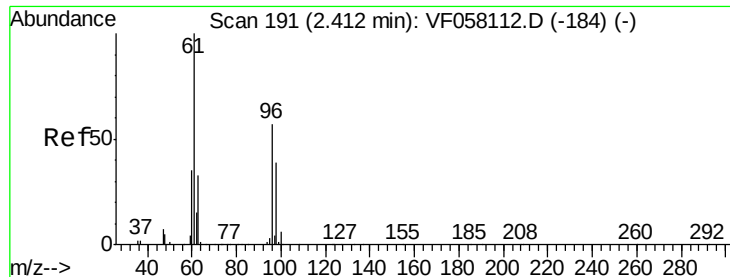


#20

Methylene Chloride  
 Concen: 96.335 ug/l m  
 RT: 2.27 min Scan# 176  
 Delta R.T. -0.01 min  
 Lab File: VF058114.D  
 Acq: 6 Jun 2018 18:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 160.3 | 121.0 | 181.4 |
| 51      | 46.7  | 35.8  | 53.6  |
| 86      | 64.3  | 53.2  | 79.8  |





#21

trans-1,2-Dichloroethene

Concen: 100.161 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA\_F

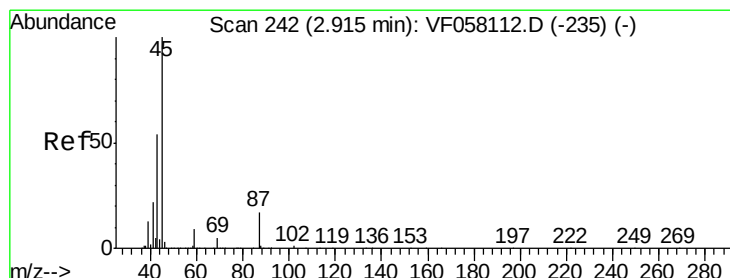
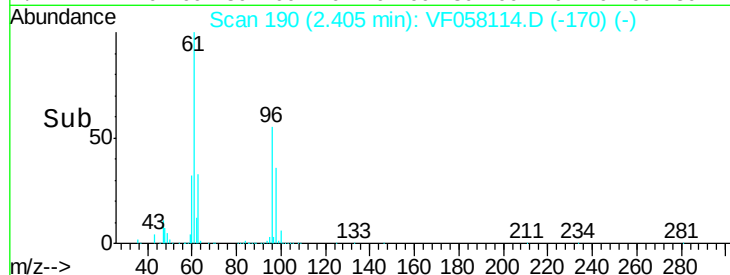
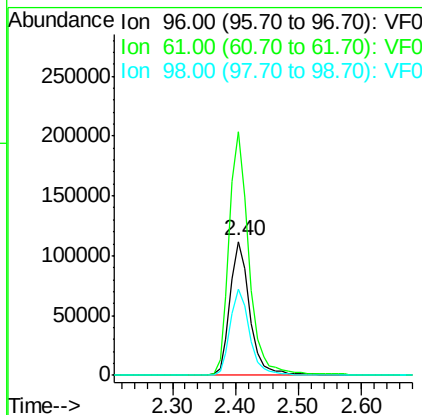
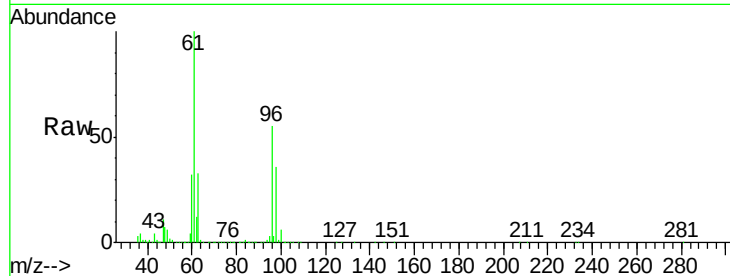
ClientSampleId :

VSTDIC100

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 96    | Resp: | 244106 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 181.5 | 139.4 | 209.2  |
| 98        | 64.5  | 54.0  | 81.0   |

Manual Integrations  
APPROVED

apatel  
6/7/2018 12:37:53 PM



#22

Diisopropyl ether

Concen: 106.244 ug/l

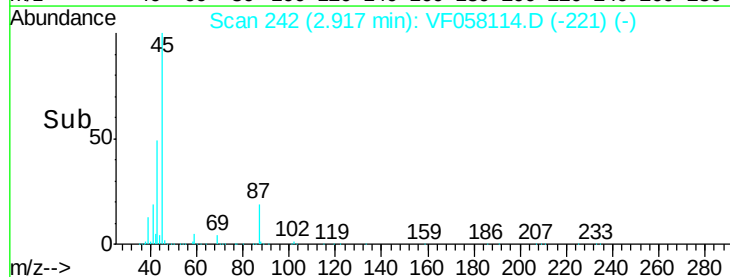
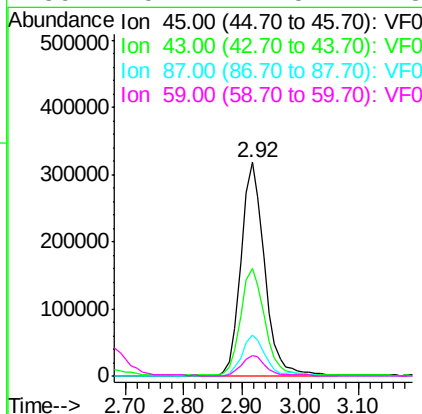
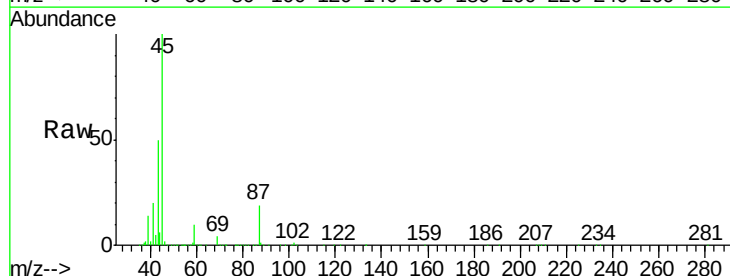
RT: 2.92 min Scan# 242

Delta R.T. 0.00 min

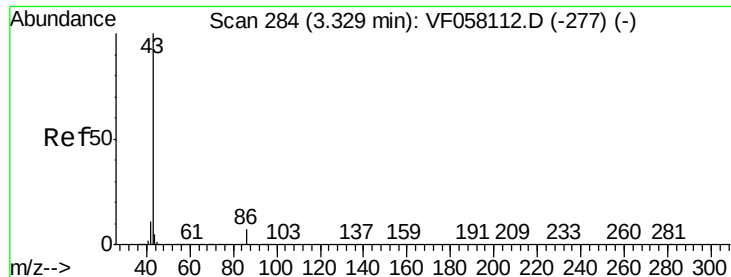
Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 897696 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 43        | 50.3  | 43.2  | 64.8   |
| 87        | 19.5  | 13.8  | 20.6   |
| 59        | 9.7   | 7.5   | 11.3   |







#23

Vinyl Acetate

Concen: 468.481 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.01 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA\_F

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 2900256

Ion Ratio Lower Upper

43 100

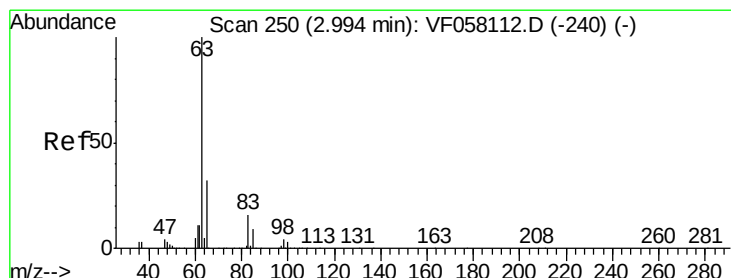
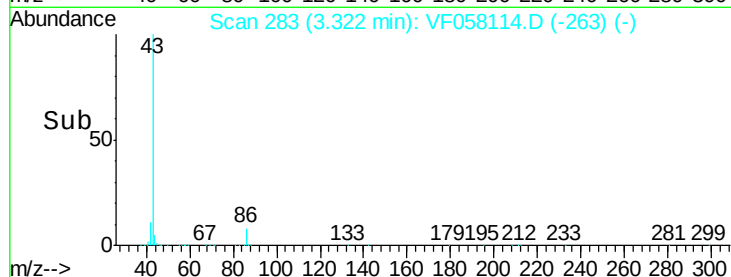
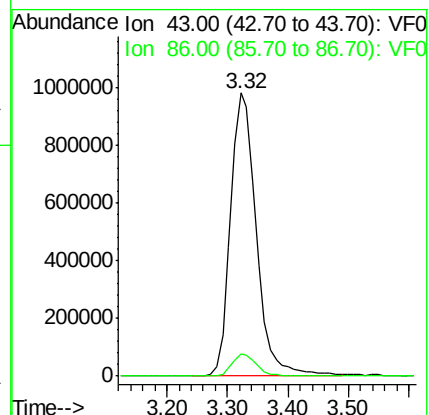
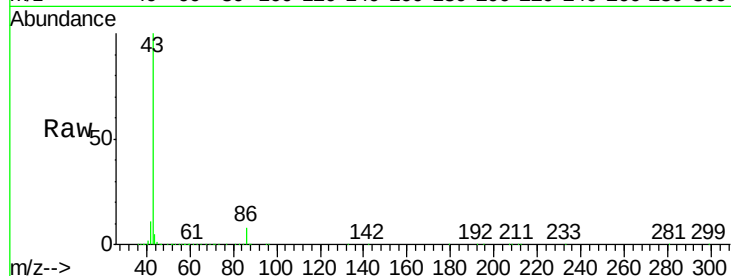
86 7.8 6.0 9.0

Manual Integrations

APPROVED

apatel

6/7/2018 12:37:53 PM



#24

1,1-Dichloroethane

Concen: 104.113 ug/l

RT: 3.00 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

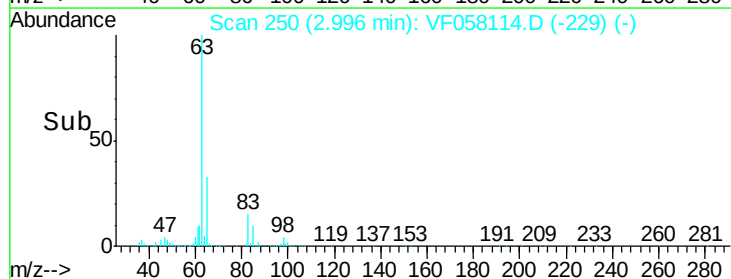
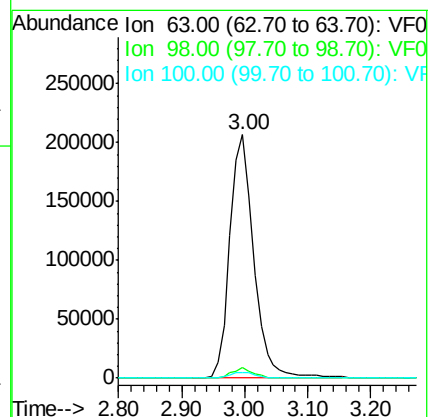
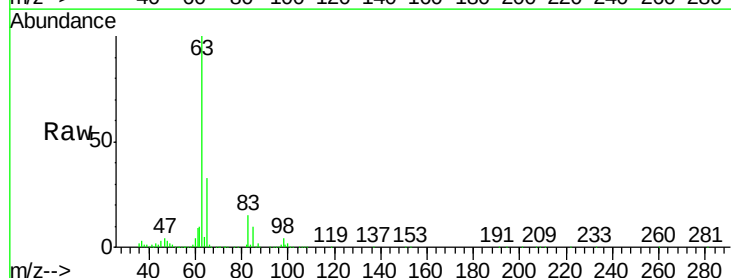
Tgt Ion: 63 Resp: 544914

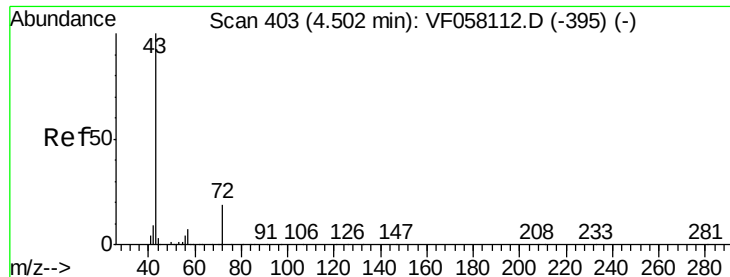
Ion Ratio Lower Upper

63 100

98 4.2 2.0 6.0

100 2.5 1.4 4.0





#25

2-Butanone

Concen: 512.100 ug/l

RT: 4.50 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA\_F

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 784382

Ion Ratio Lower Upper

43 100

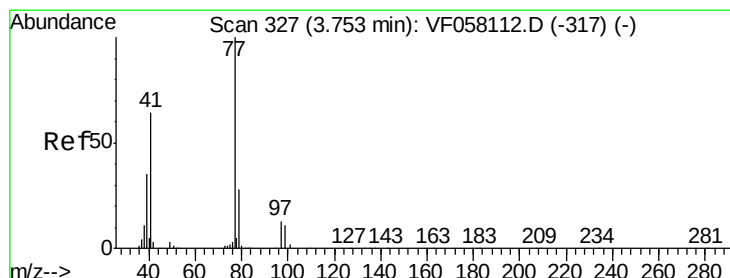
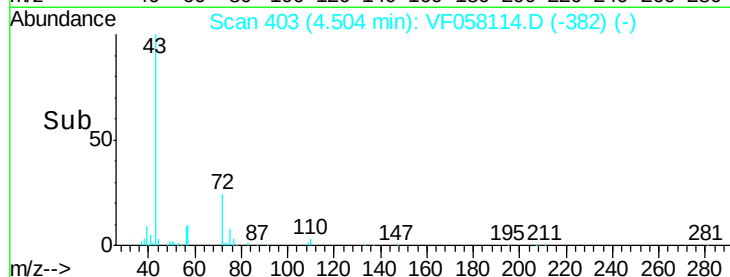
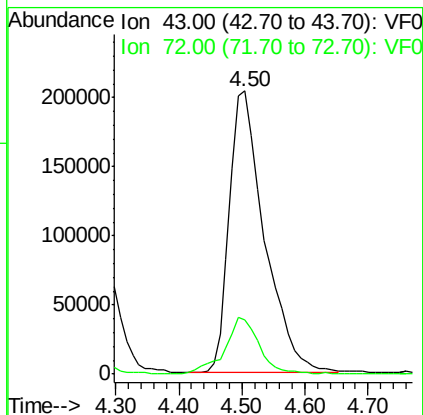
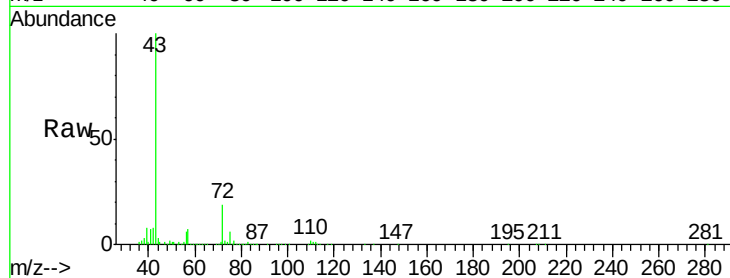
72 19.0 16.1 24.1

Manual Integrations

APPROVED

apatel

6/7/2018 12:37:53 PM



#26

2,2-Dichloropropane

Concen: 98.819 ug/l

RT: 3.76 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF058114.D

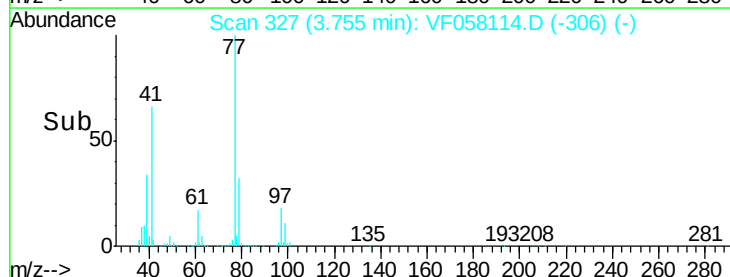
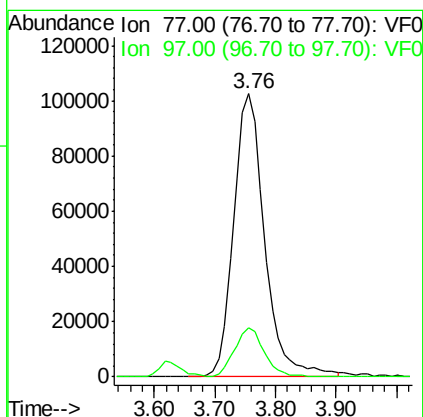
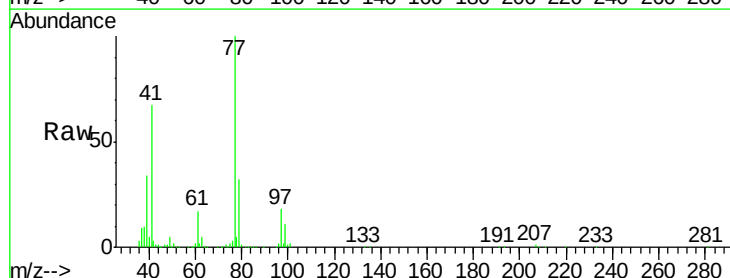
Acq: 6 Jun 2018 18:37

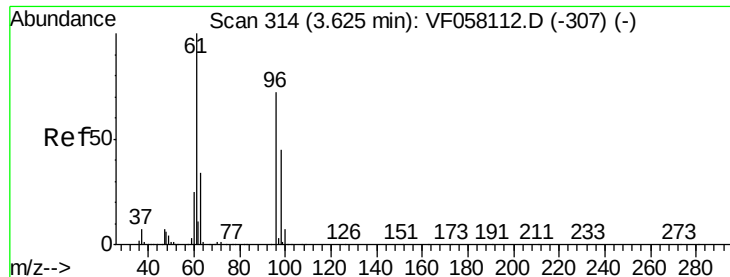
Tgt Ion: 77 Resp: 365532

Ion Ratio Lower Upper

77 100

97 17.6 7.2 21.6





#27

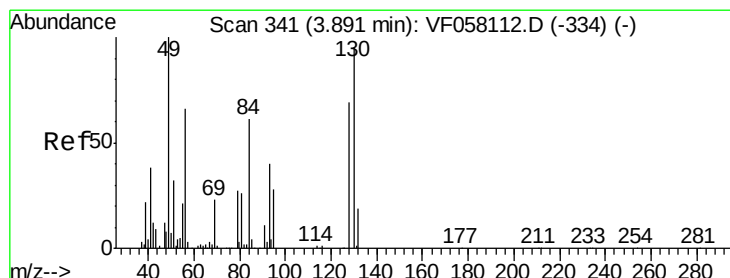
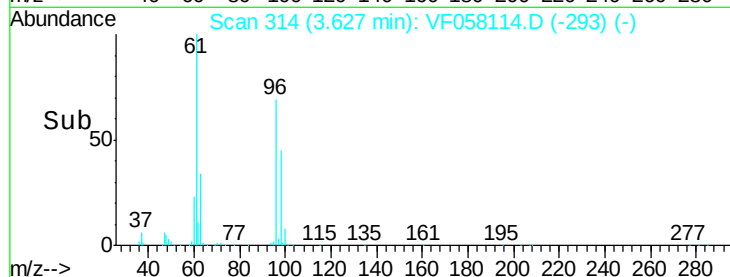
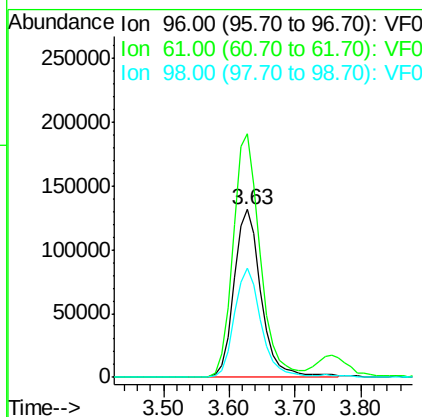
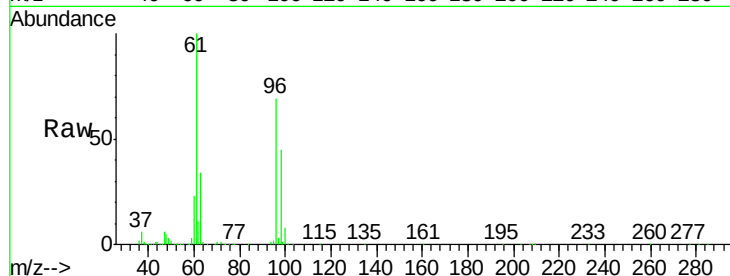
cis-1,2-Dichloroethene  
Concen: 94.083 ug/l  
RT: 3.63 min Scan# 314  
Delta R.T. 0.00 min  
Lab File: VF058114.D  
Acq: 6 Jun 2018 18:37

Instrument :  
MSVOA\_F  
ClientSampled :  
VSTDIC100

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 381292 |       |       |
| 61      | 144.9 | 0.0    | 278.6 |       |
| 98      | 65.1  | 0.0    | 125.2 |       |

Manual Integrations  
APPROVED

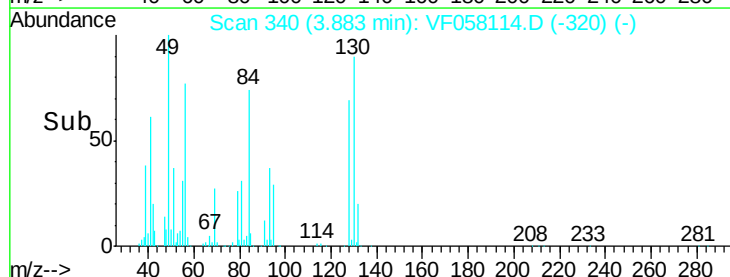
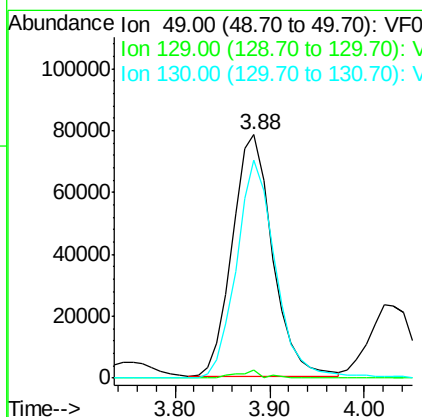
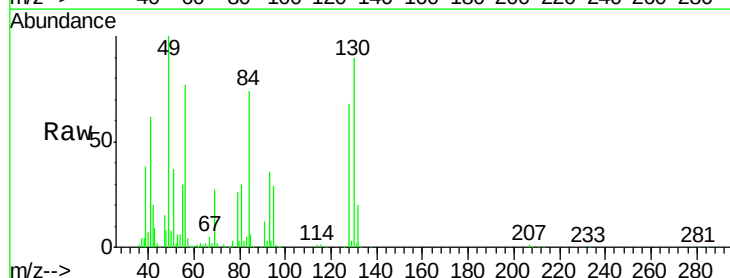
apatel  
6/7/2018 12:37:53 PM

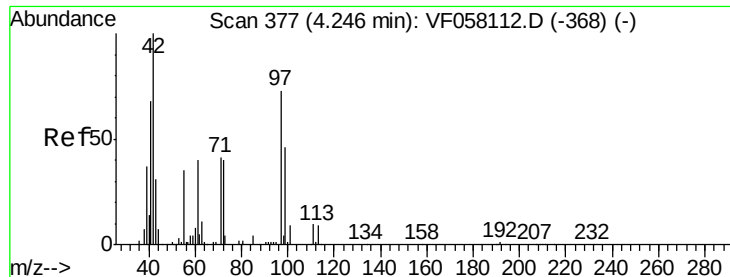


#28

Bromochloromethane  
Concen: 100.334 ug/l  
RT: 3.88 min Scan# 340  
Delta R.T. -0.01 min  
Lab File: VF058114.D  
Acq: 6 Jun 2018 18:37

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 231996 |       |       |
| 129     | 3.2   | 0.0    | 0.0#  |       |
| 130     | 89.6  | 75.8   | 113.8 |       |





#29

Tetrahydrofuran

Concen: 490.372 ug/l

RT: 4.24 min Scan# 376

Delta R.T. -0.01 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA\_F

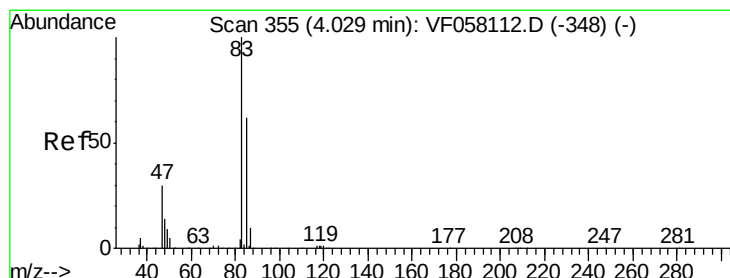
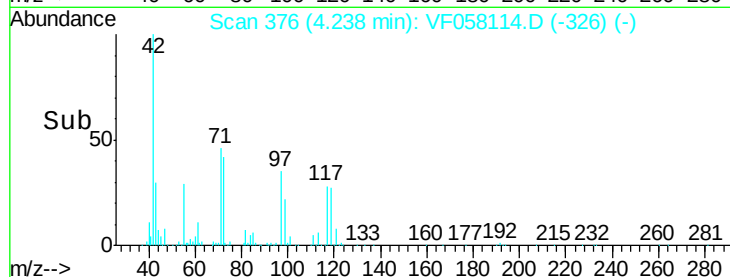
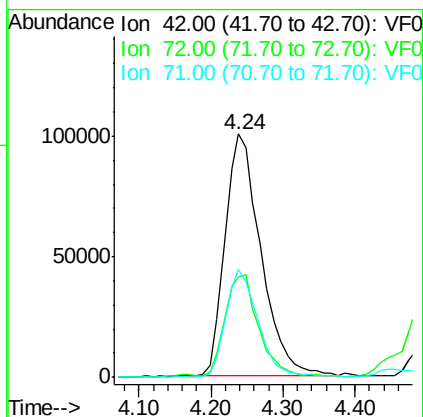
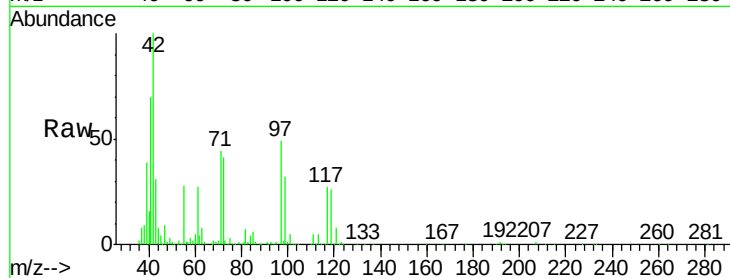
ClientSampleId :

VSTDIC100

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 42   | Resp: | 346701 |
| Ion Ratio |      | Lower | Upper  |
| 42        | 100  |       |        |
| 72        | 41.6 | 30.5  | 45.7   |
| 71        | 40.4 | 31.5  | 47.3   |

Manual Integrations  
APPROVED

apatel  
6/7/2018 12:37:53 PM



#30

Chloroform

Concen: 95.483 ug/l

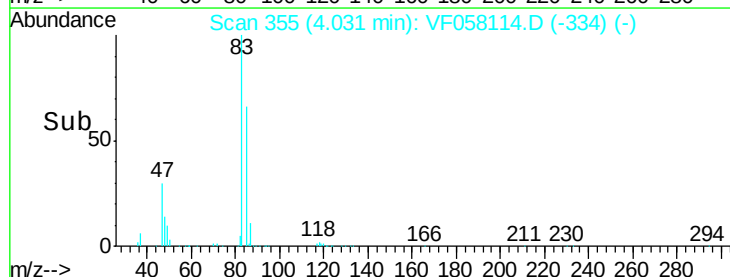
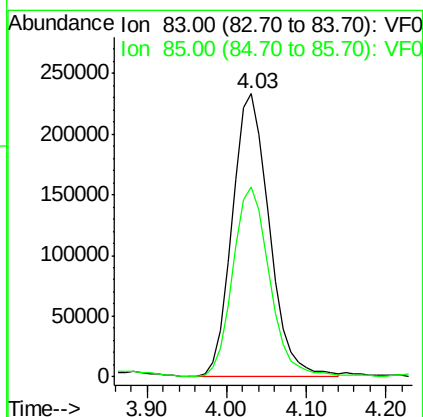
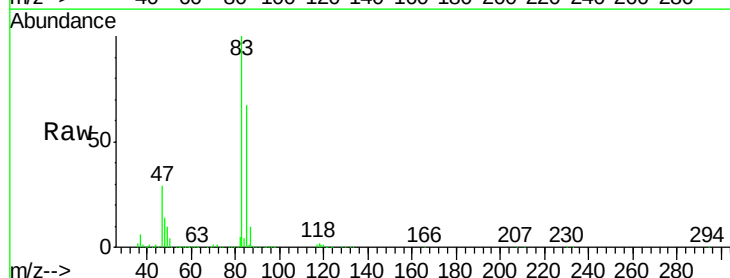
RT: 4.03 min Scan# 355

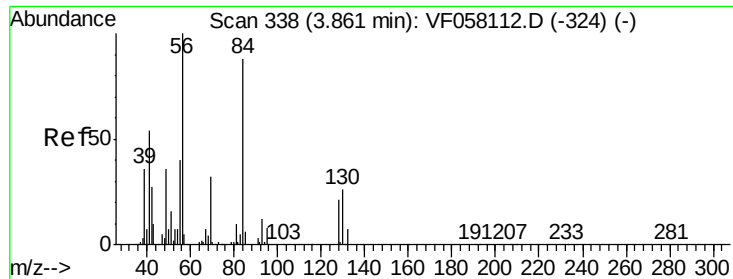
Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 83   | Resp: | 749693 |
| Ion Ratio |      | Lower | Upper  |
| 83        | 100  |       |        |
| 85        | 66.9 | 49.5  | 74.3   |





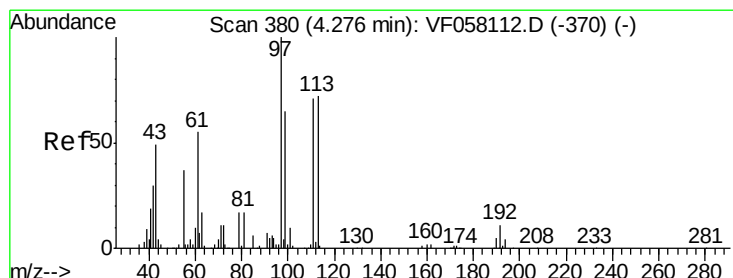
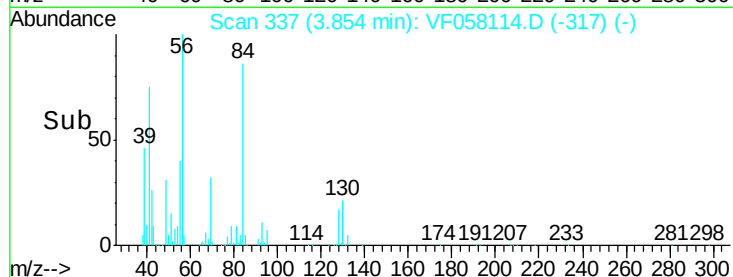
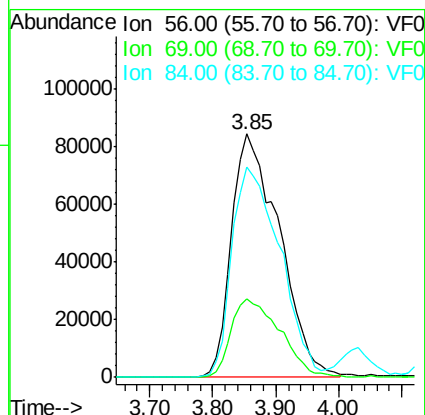
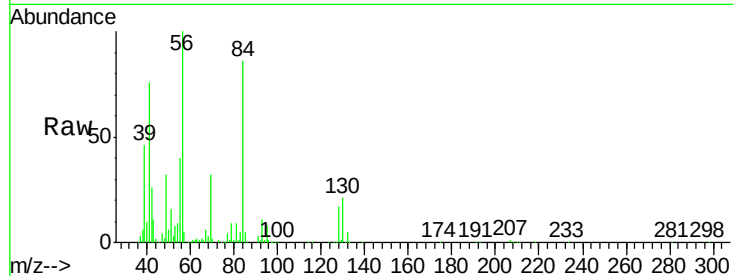
#31  
Cyclohexane  
Concen: 90.242 ug/l  
RT: 3.85 min Scan# 337  
Delta R.T. -0.01 min  
Lab File: VF058114.D  
Acq: 6 Jun 2018 18:37

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDIC100

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 32.0  | 25.9  | 38.9  |
| 84      | 86.2  | 70.3  | 105.5 |

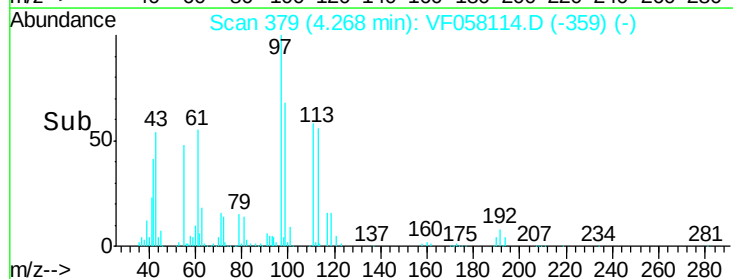
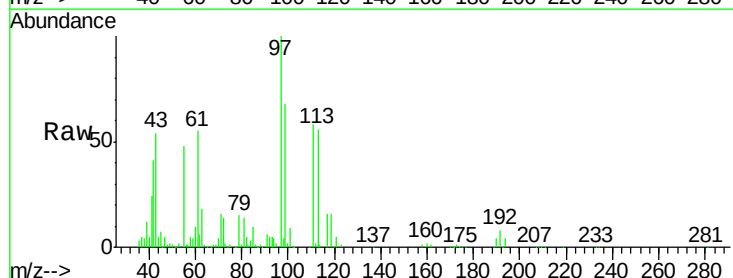
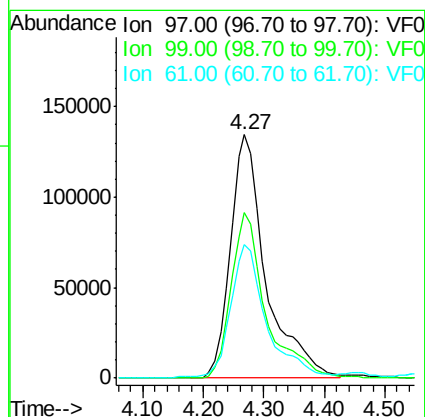
Manual Integrations  
APPROVED

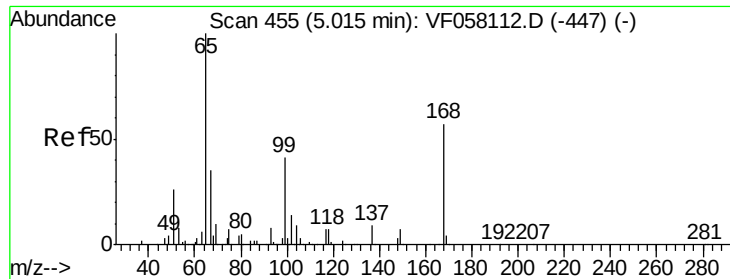
apatel  
6/7/2018 12:37:53 PM



#32  
1,1,1-Trichloroethane  
Concen: 98.334 ug/l  
RT: 4.27 min Scan# 379  
Delta R.T. -0.01 min  
Lab File: VF058114.D  
Acq: 6 Jun 2018 18:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 67.8  | 52.0  | 78.0  |
| 61      | 54.9  | 44.3  | 66.5  |





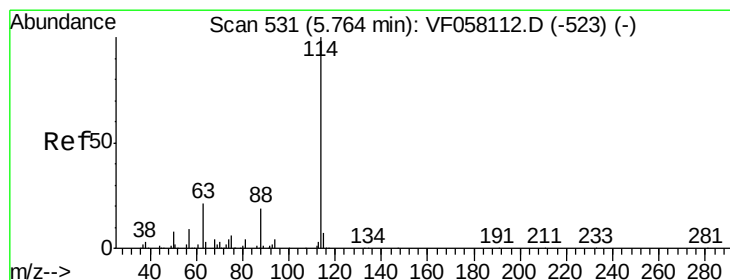
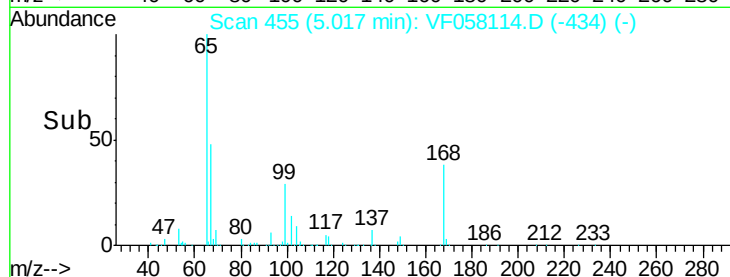
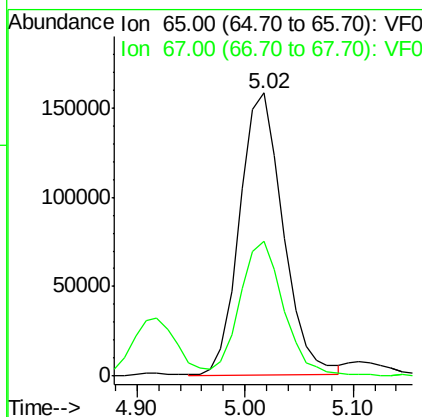
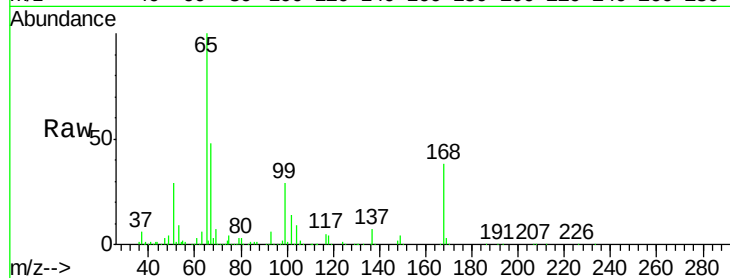
#33  
 1,2-Dichloroethane-d4  
 Concen: 102.318 ug/l  
 RT: 5.02 min Scan# 455  
 Delta R.T. 0.00 min  
 Lab File: VF058114.D  
 Acq: 6 Jun 2018 18:37

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDIC100

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 441303 |       |       |
| 67      | 47.8  | 0.0    | 97.0  |       |

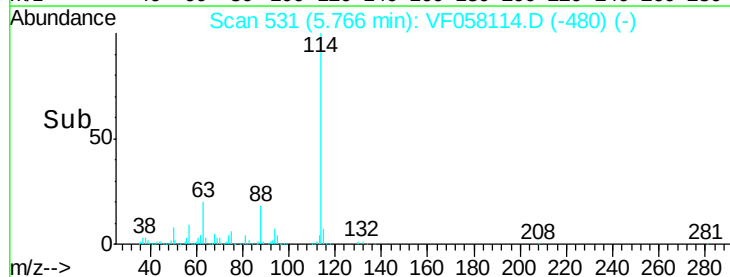
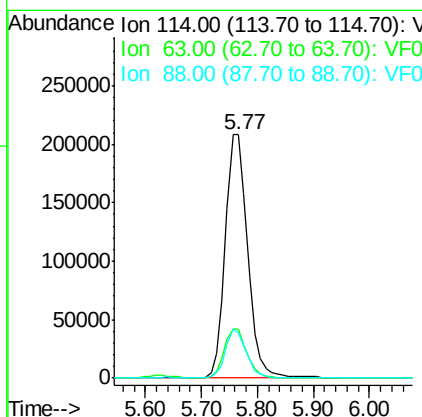
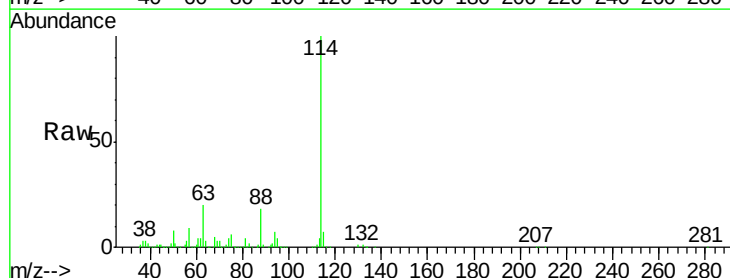
Manual Integrations  
 APPROVED

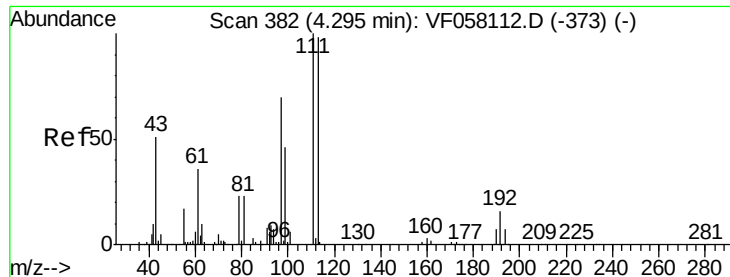
apatel  
 6/7/2018 12:37:53 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.77 min Scan# 531  
 Delta R.T. 0.00 min  
 Lab File: VF058114.D  
 Acq: 6 Jun 2018 18:37

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 580402 |       |       |
| 63      | 20.3  | 0.0    | 41.6  |       |
| 88      | 18.3  | 0.0    | 38.8  |       |





#35

Dibromofluoromethane

Concen: 91.644 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA\_F

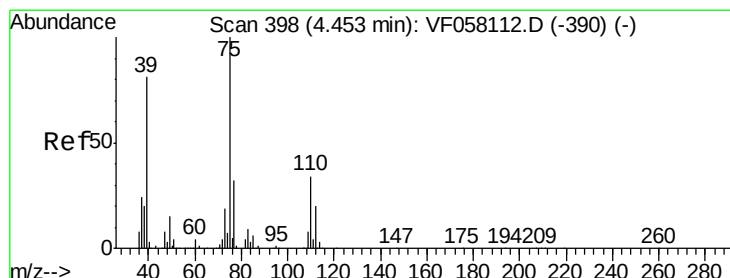
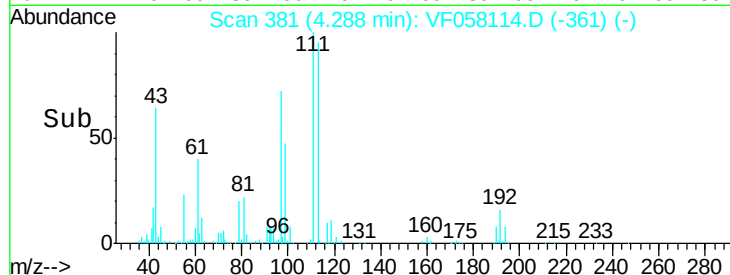
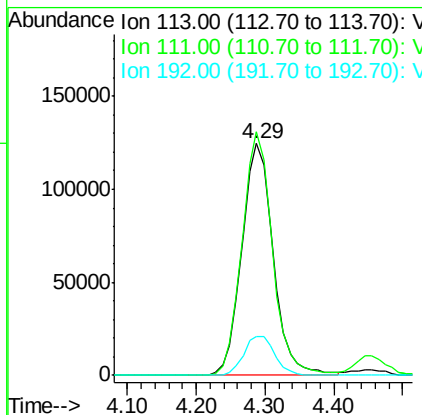
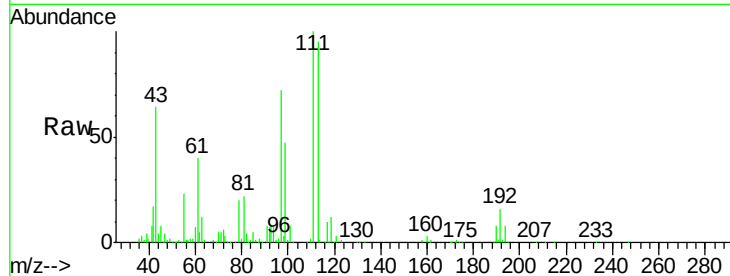
ClientSampleId :

VSTDIC100

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 113   | Resp: | 394499 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 105.1 | 81.3  | 121.9  |
| 192       | 16.9  | 12.7  | 19.1   |

Manual Integrations  
APPROVED

apatel  
6/7/2018 12:37:53 PM



#36

1,1-Dichloropropene

Concen: 91.567 ug/l

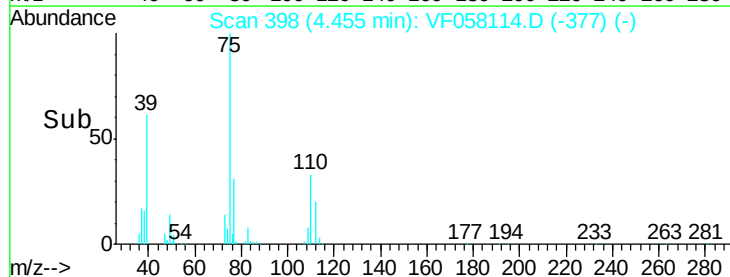
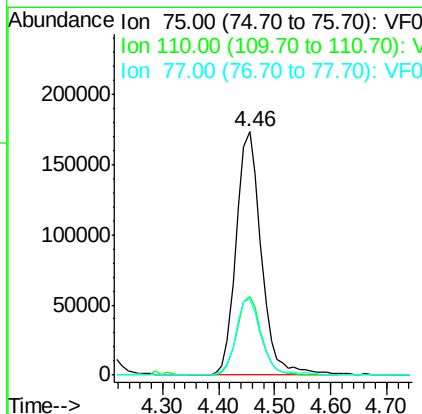
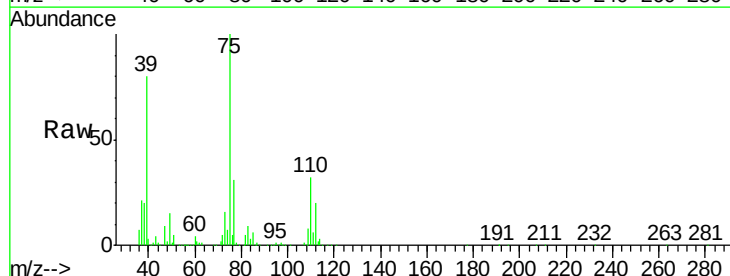
RT: 4.46 min Scan# 398

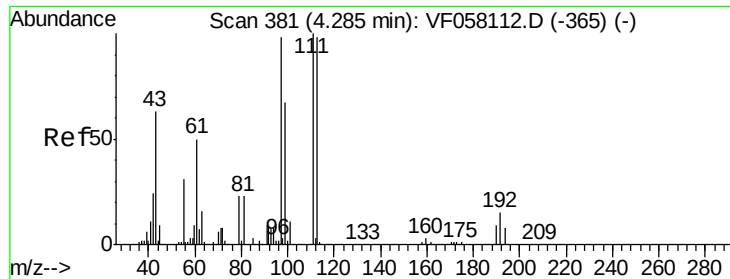
Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 537506 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 32.4  | 17.0  | 50.9   |
| 77        | 30.9  | 25.3  | 37.9   |





#37

Ethyl Acetate

Concen: 99.182 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.01 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA\_F

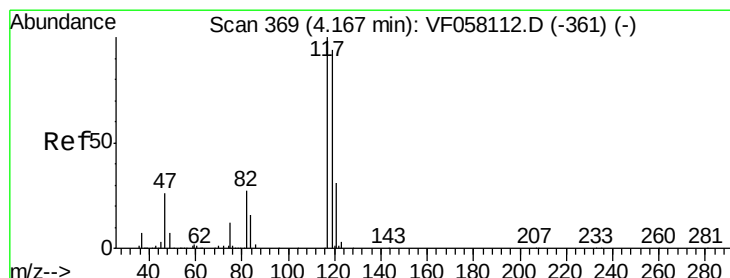
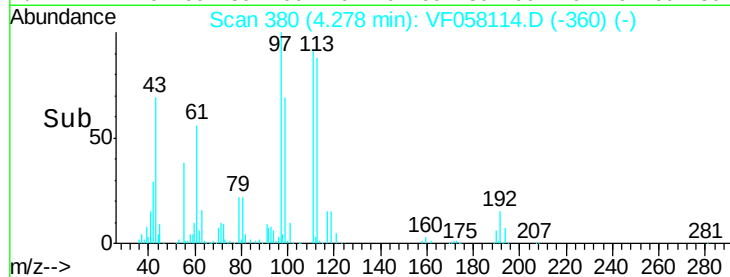
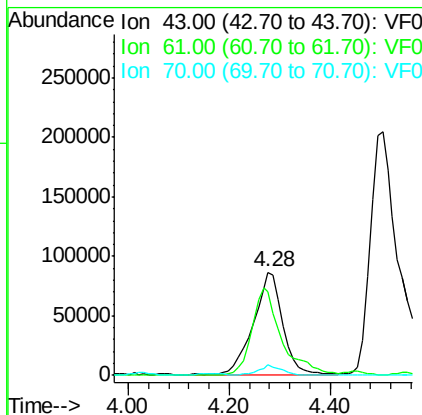
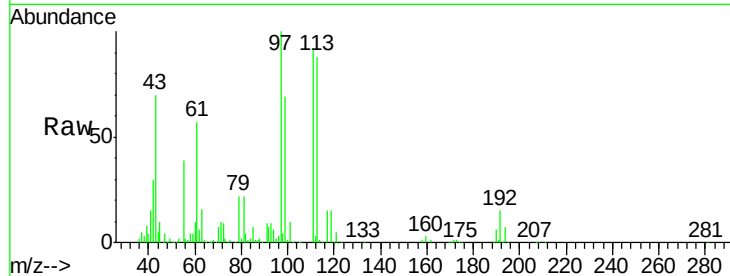
ClientSampleId :

VSTDICC100

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 343300 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 61        | 81.2  | 63.0  | 94.4   |
| 70        | 9.9   | 7.5   | 11.3   |

Manual Integrations  
APPROVED

apatel  
6/7/2018 12:37:53 PM



#38

Carbon Tetrachloride

Concen: 95.887 ug/l m

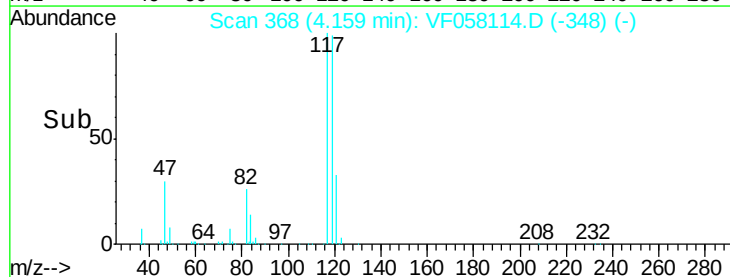
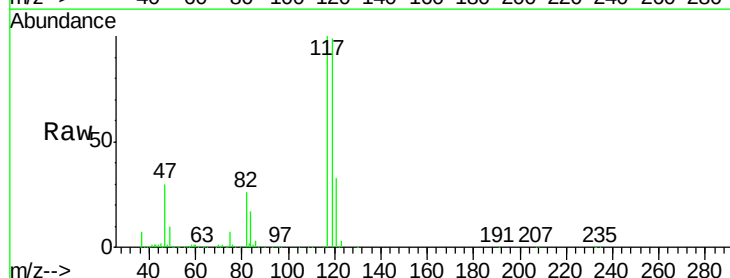
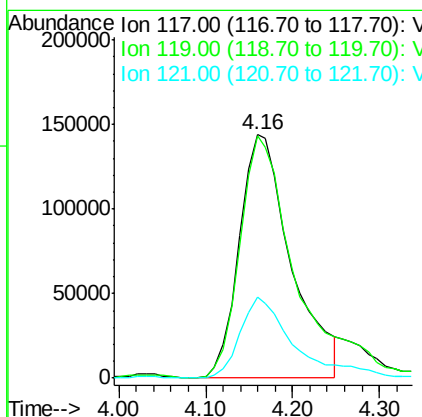
RT: 4.16 min Scan# 368

Delta R.T. -0.01 min

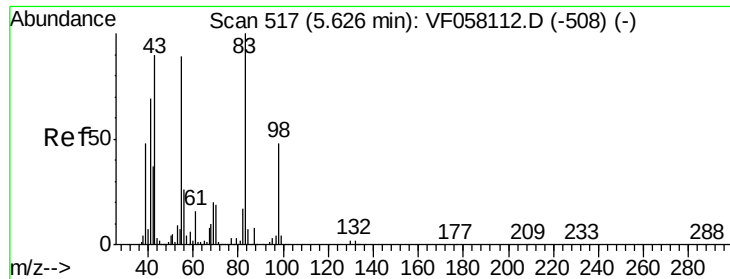
Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 597993 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 119       | 99.4  | 75.7  | 113.5  |
| 121       | 33.2  | 24.8  | 37.2   |







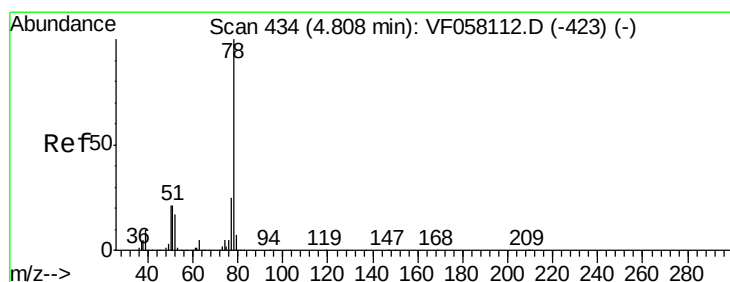
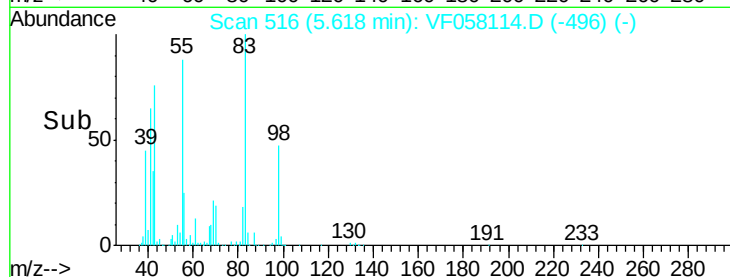
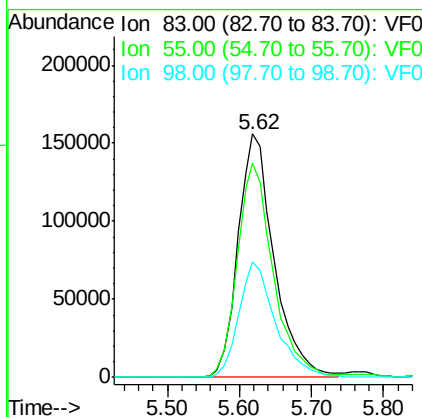
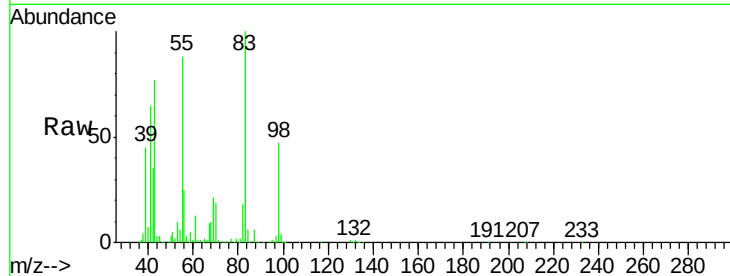
#39  
Methylcyclohexane  
Concen: 89.772 ug/l  
RT: 5.62 min Scan# 516  
Delta R.T. -0.01 min  
Lab File: VF058114.D  
Acq: 6 Jun 2018 18:37

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDIC100

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 87.7  | 71.0  | 106.4 |
| 98      | 47.3  | 38.1  | 57.1  |

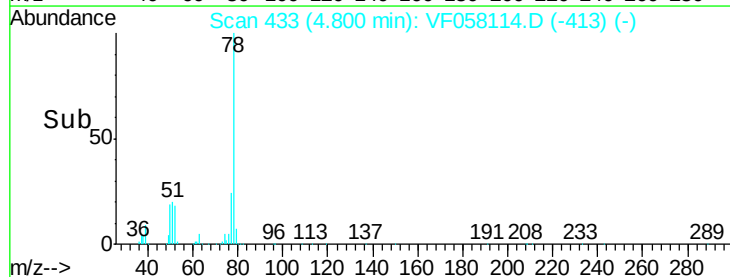
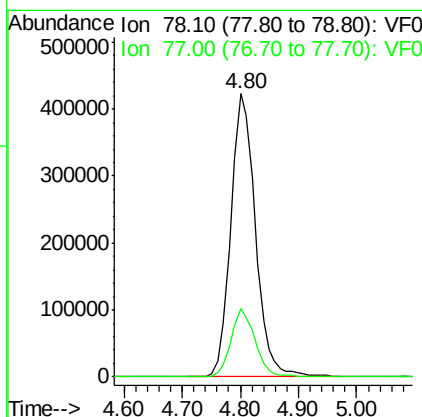
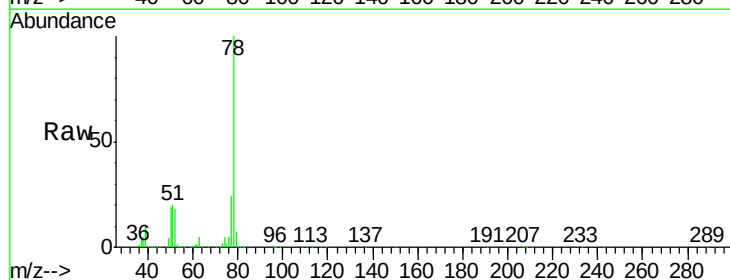
Manual Integrations  
APPROVED

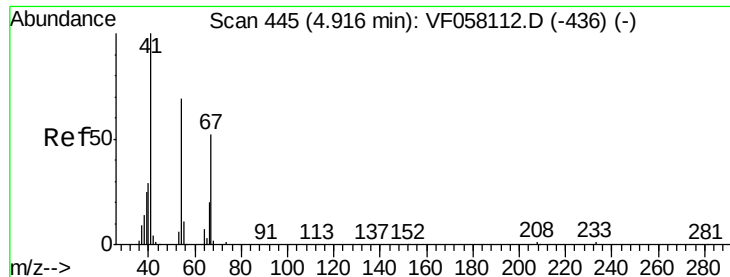
apatel  
6/7/2018 12:37:53 PM



#40  
Benzene  
Concen: 90.454 ug/l  
RT: 4.80 min Scan# 433  
Delta R.T. -0.01 min  
Lab File: VF058114.D  
Acq: 6 Jun 2018 18:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.1  | 20.2  | 30.2  |





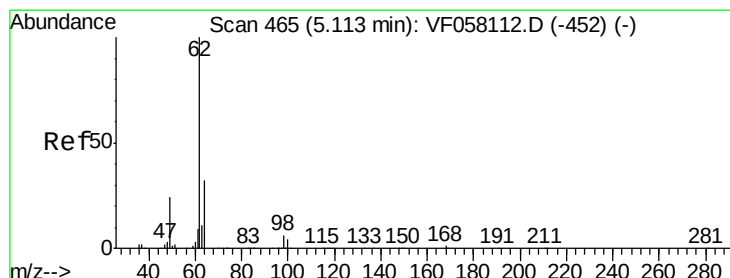
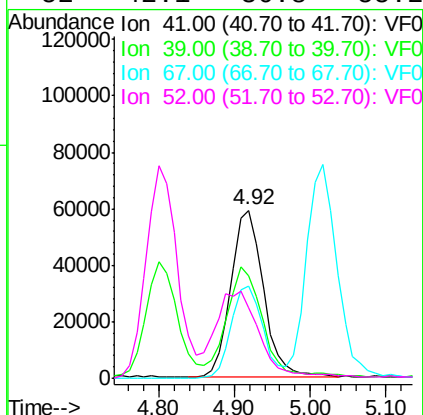
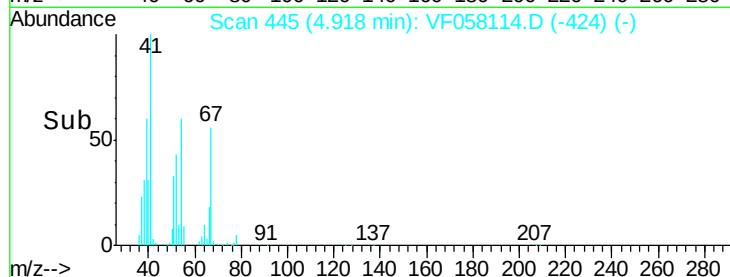
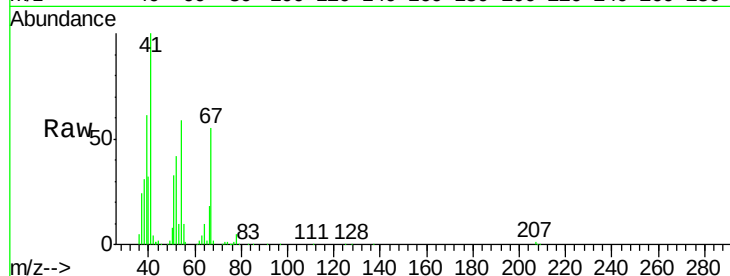
#41  
Methacrylonitrile  
Concen: 100.813 ug/l  
RT: 4.92 min Scan# 445  
Delta R.T. 0.00 min  
Lab File: VF058114.D  
Acq: 6 Jun 2018 18:37

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDIC100

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 61.0  | 53.0  | 79.4  |
| 67      | 55.0  | 41.0  | 61.6  |
| 52      | 42.1  | 36.8  | 55.2  |

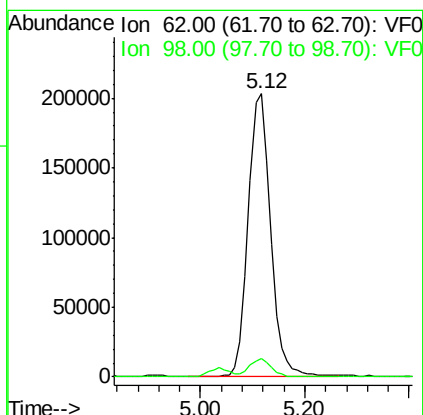
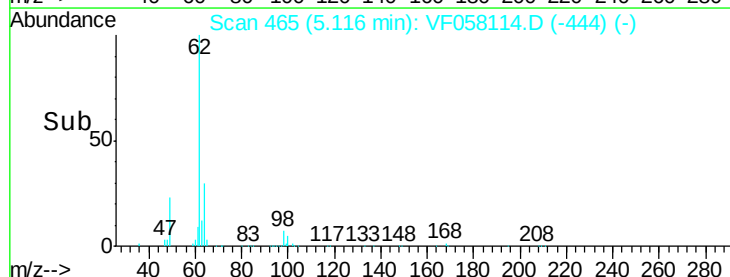
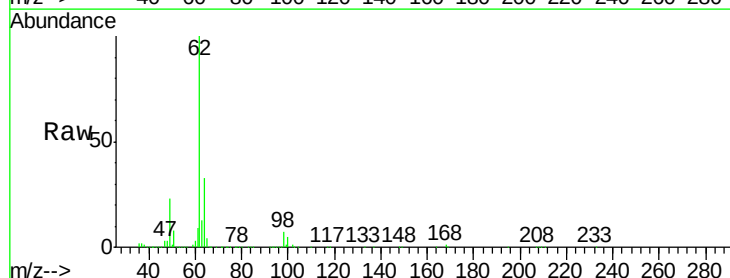
Manual Integrations  
APPROVED

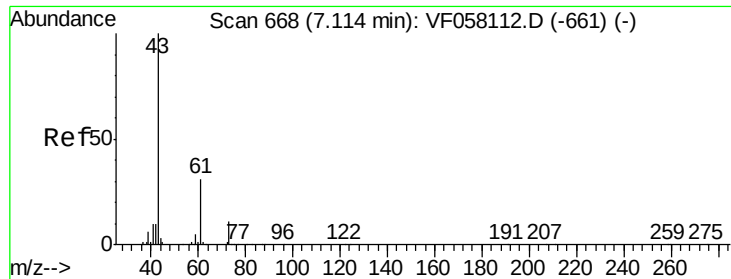
apatel  
6/7/2018 12:37:53 PM



#42  
1,2-Dichloroethane  
Concen: 100.471 ug/l  
RT: 5.12 min Scan# 465  
Delta R.T. 0.00 min  
Lab File: VF058114.D  
Acq: 6 Jun 2018 18:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 6.7   | 0.0   | 11.8  |





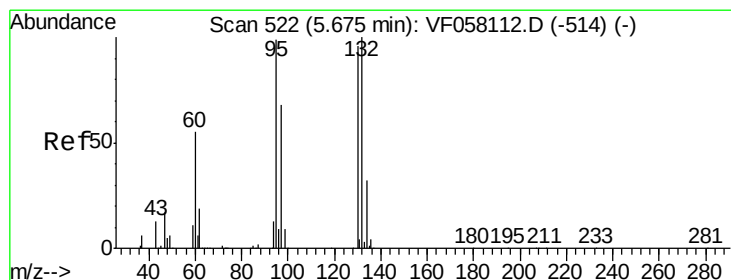
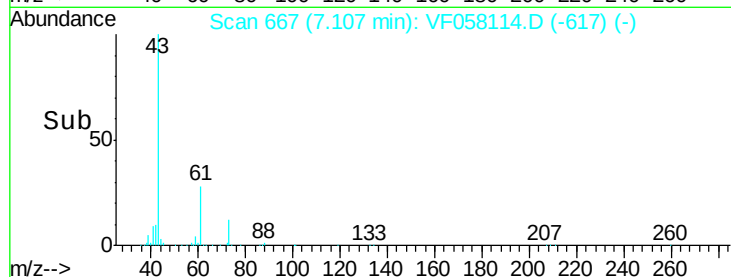
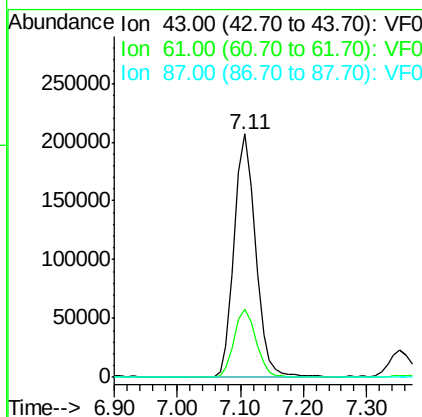
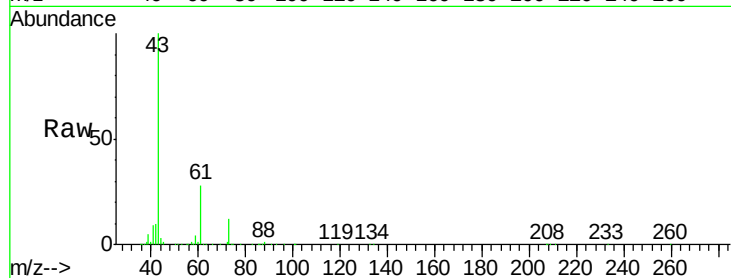
#43  
Isopropyl Acetate  
Concen: 103.506 ug/l  
RT: 7.11 min Scan# 667  
Delta R.T. -0.01 min  
Lab File: VF058114.D  
Acq: 6 Jun 2018 18:37

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDICC100

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 28.1  | 25.1  | 37.7  |
| 87      | 0.4   | 0.2   | 0.4   |

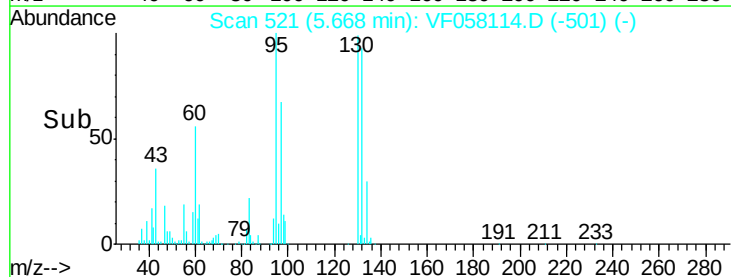
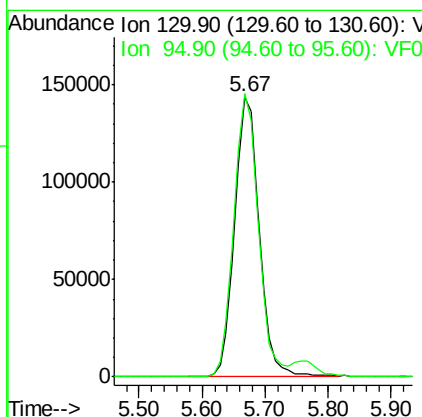
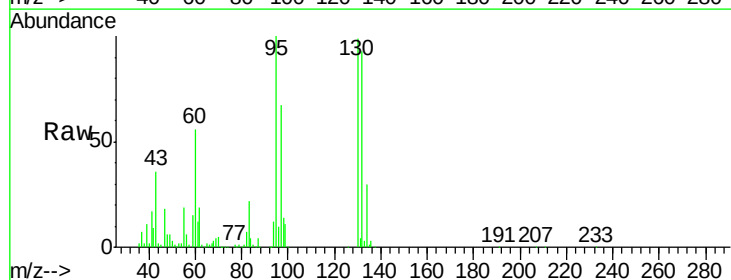
Manual Integrations  
APPROVED

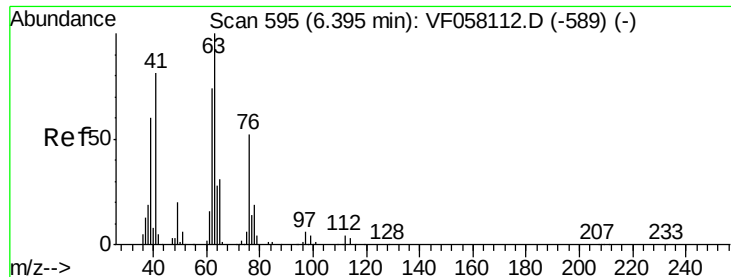
apatel  
6/7/2018 12:37:53 PM



#44  
Trichloroethene  
Concen: 90.305 ug/l  
RT: 5.67 min Scan# 521  
Delta R.T. -0.01 min  
Lab File: VF058114.D  
Acq: 6 Jun 2018 18:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 101.2 | 0.0   | 206.8 |





#45

1,2-Dichloropropane

Concen: 89.493 ug/l

RT: 6.40 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA\_F

ClientSampleId :

VSTDICC100

Tgt Ion: 63 Resp: 357553

Ion Ratio Lower Upper

63 100

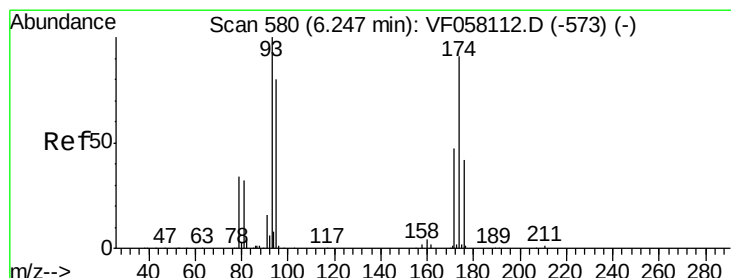
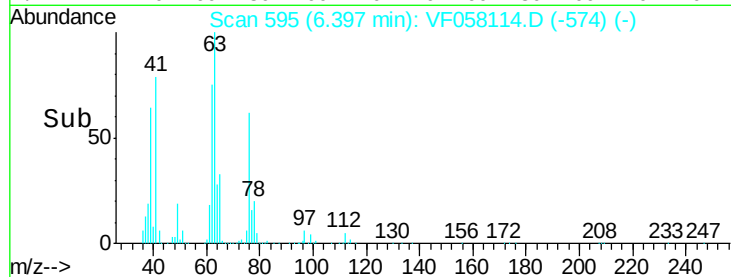
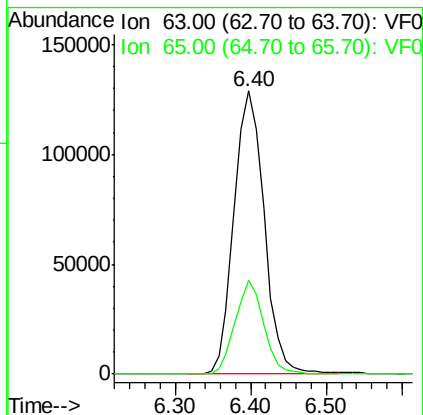
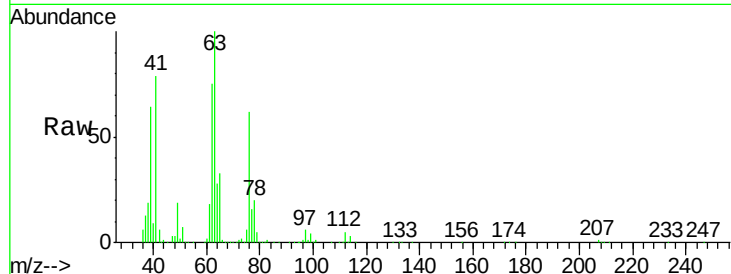
65 33.4 24.6 37.0

Manual Integrations

APPROVED

apatel

6/7/2018 12:37:53 PM



#46

Dibromomethane

Concen: 96.050 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

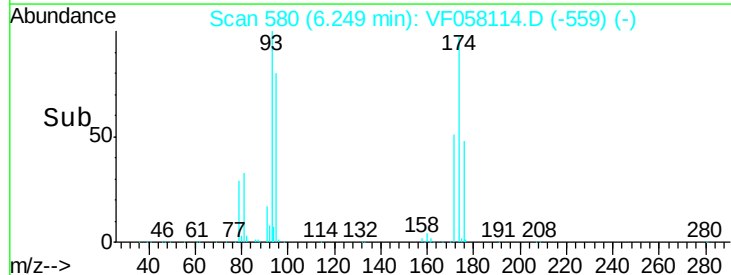
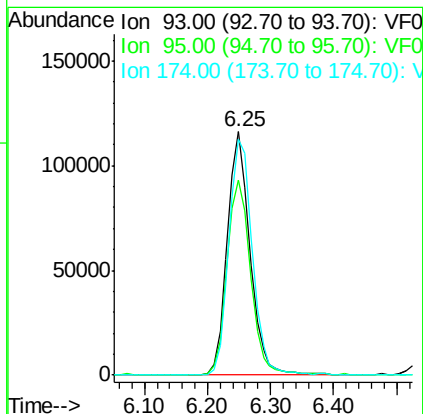
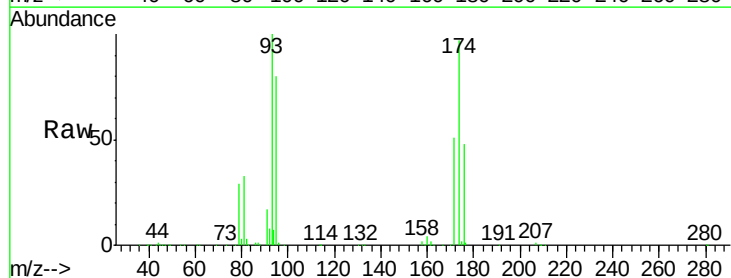
Tgt Ion: 93 Resp: 289678

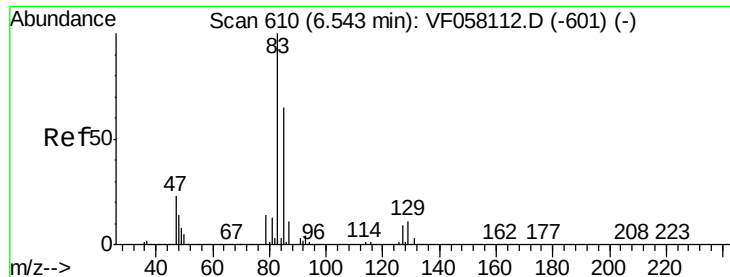
Ion Ratio Lower Upper

93 100

95 80.2 64.2 96.4

174 97.2 72.7 109.1





#47

Bromodichloromethane

Concen: 94.728 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA\_F

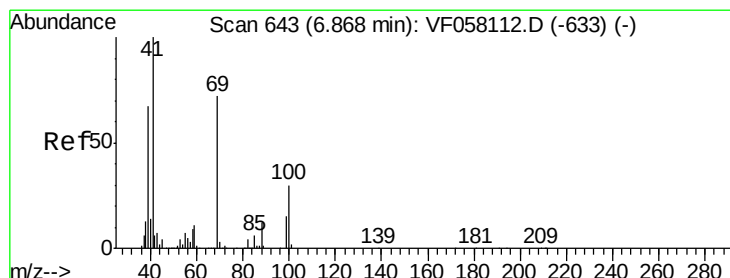
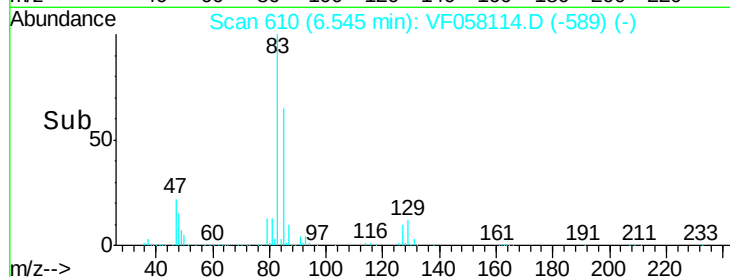
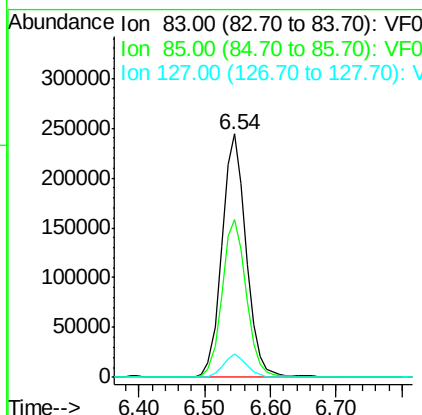
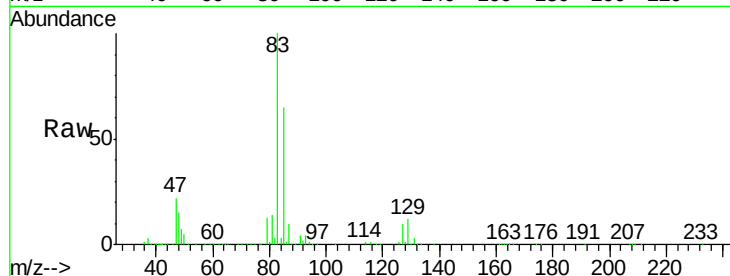
ClientSampleId :

VSTDIC100

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 83    | Resp: | 630344 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 65.1  | 51.6  | 77.4   |
| 127       | 9.6   | 7.2   | 10.8   |

Manual Integrations  
APPROVED

apatel  
6/7/2018 12:37:53 PM



#48

Methyl methacrylate

Concen: 101.718 ug/l

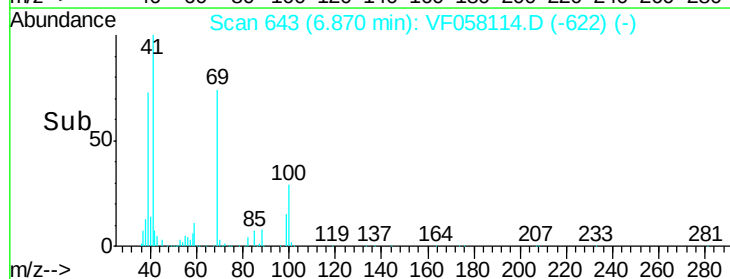
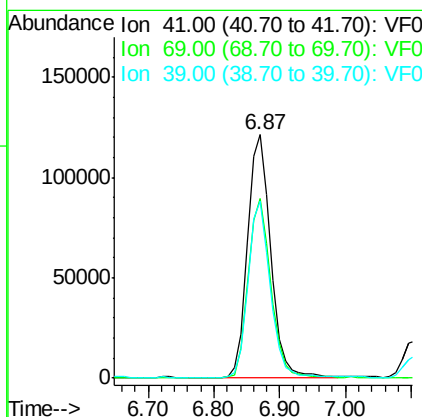
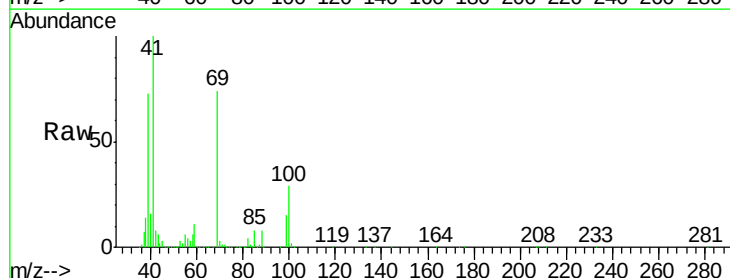
RT: 6.87 min Scan# 643

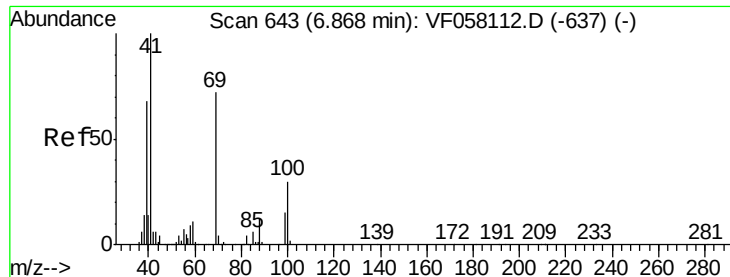
Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 301717 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 73.9  | 57.2  | 85.8   |
| 39        | 72.8  | 54.3  | 81.5   |





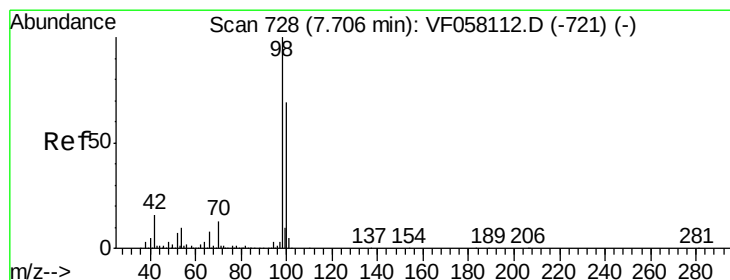
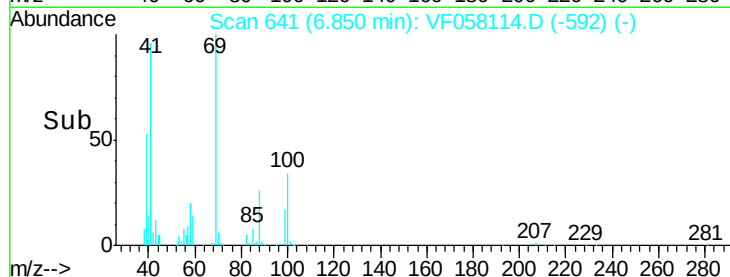
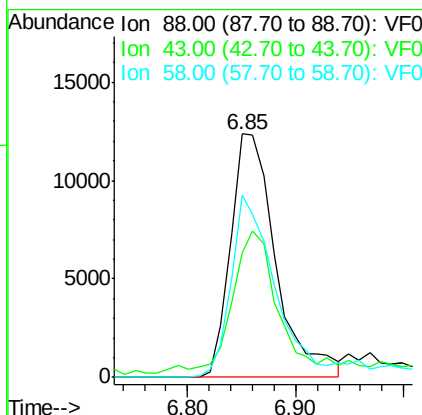
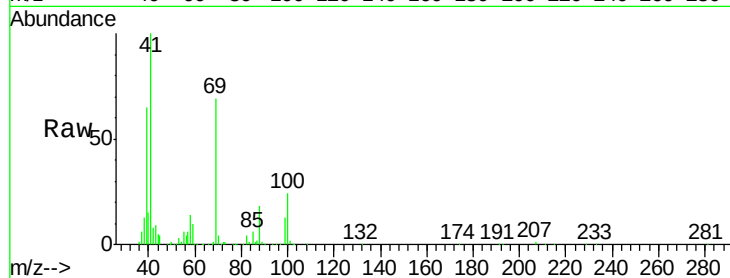
#49  
1,4-Dioxane  
Concen: 1759.976 ug/l  
RT: 6.85 min Scan# 641  
Delta R.T. -0.02 min  
Lab File: VF058114.D  
Acq: 6 Jun 2018 18:37

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDIC100

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 51.2  | 47.8  | 71.8  |
| 58      | 74.9  | 59.4  | 89.0  |

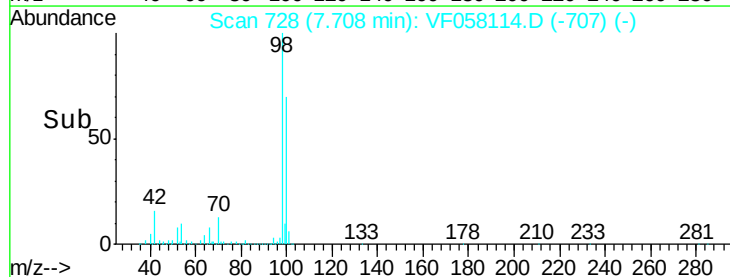
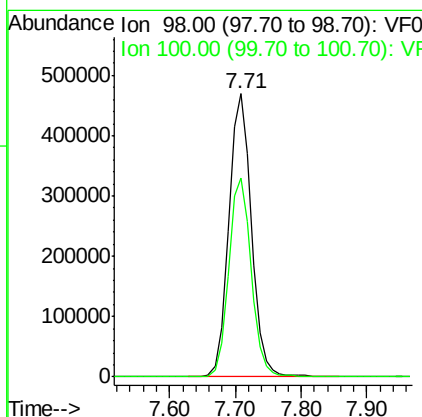
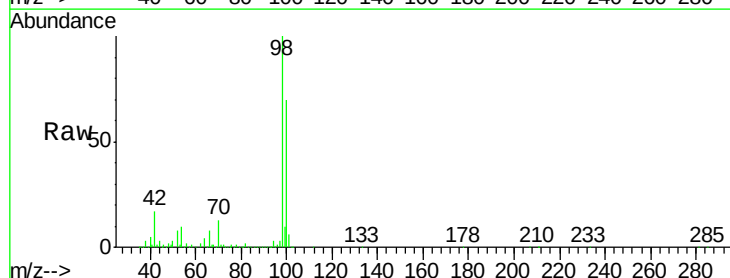
Manual Integrations  
APPROVED

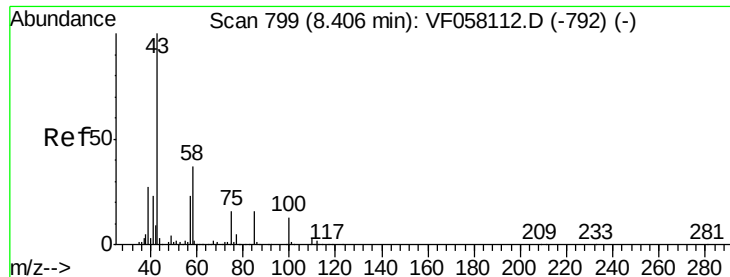
apatel  
6/7/2018 12:37:53 PM



#50  
Toluene-d8  
Concen: 88.872 ug/l  
RT: 7.71 min Scan# 728  
Delta R.T. 0.00 min  
Lab File: VF058114.D  
Acq: 6 Jun 2018 18:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 70.2  | 55.6  | 83.4  |





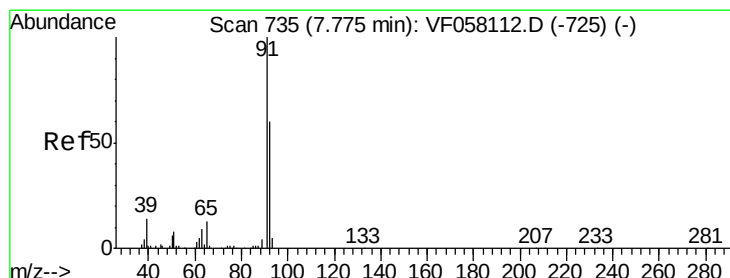
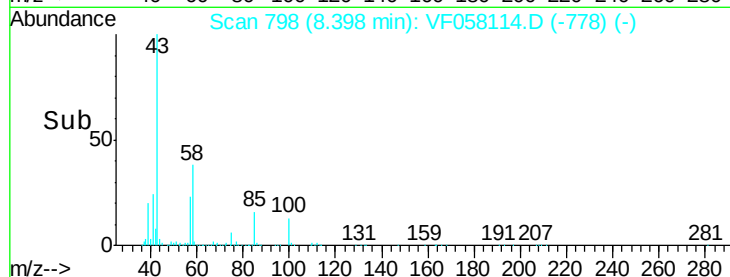
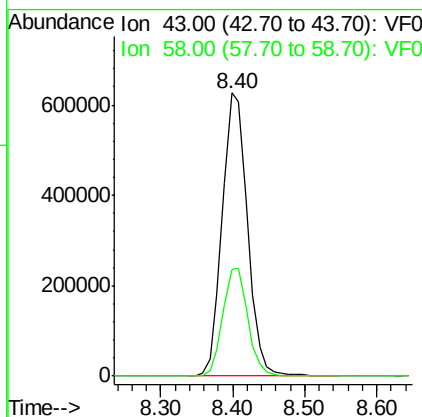
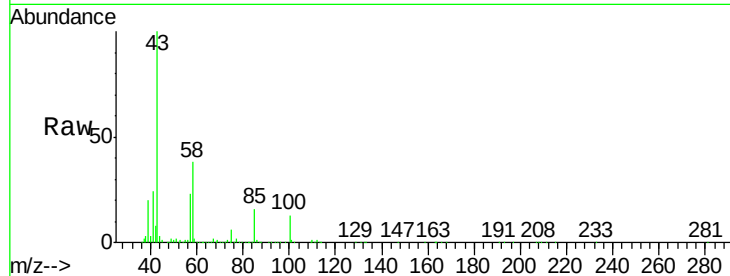
#51  
 4-Methyl-2-Pentanone  
 Concen: 467.559 ug/l  
 RT: 8.40 min Scan# 798  
 Delta R.T. -0.01 min  
 Lab File: VF058114.D  
 Acq: 6 Jun 2018 18:37

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDIC100

Tgt Ion: 43 Resp: 1523121  
 Ion Ratio Lower Upper  
 43 100  
 58 37.7 29.4 44.0

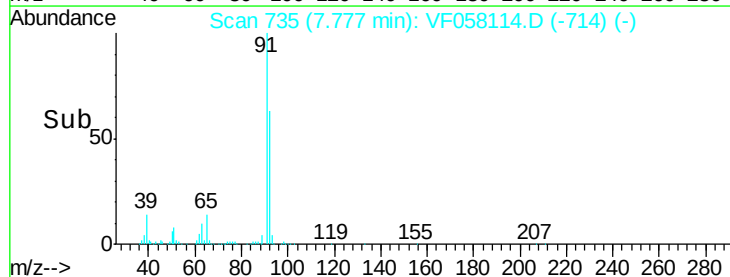
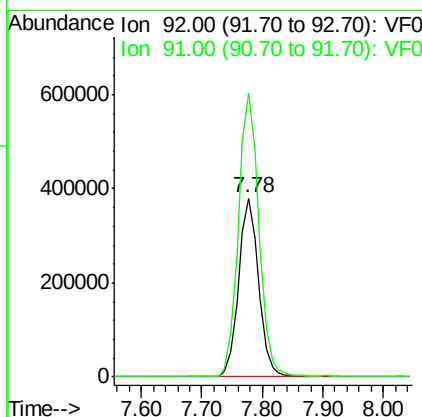
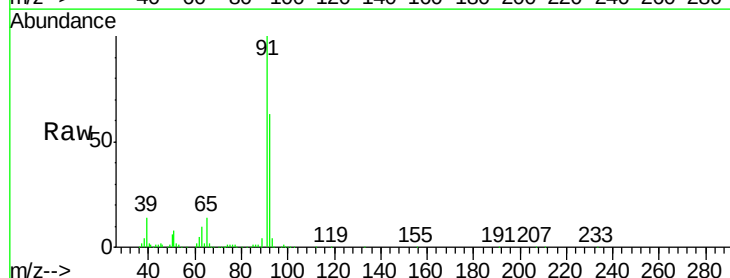
Manual Integrations  
 APPROVED

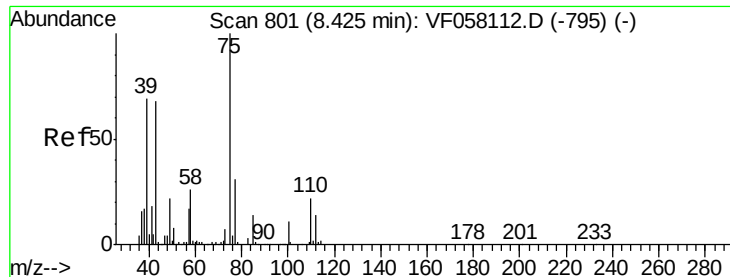
apatel  
 6/7/2018 12:37:53 PM



#52  
 Toluene  
 Concen: 89.625 ug/l  
 RT: 7.78 min Scan# 735  
 Delta R.T. 0.00 min  
 Lab File: VF058114.D  
 Acq: 6 Jun 2018 18:37

Tgt Ion: 92 Resp: 874575  
 Ion Ratio Lower Upper  
 92 100  
 91 158.6 132.9 199.3





#53

t-1,3-Dichloropropene

Concen: 94.976 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Tgt Ion: 75 Resp: 603799

Ion Ratio Lower Upper

75 100

77 32.2 25.1 37.7

Instrument :

MSVOA\_F

ClientSampleId :

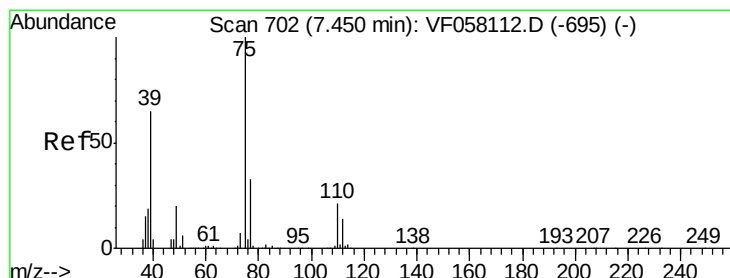
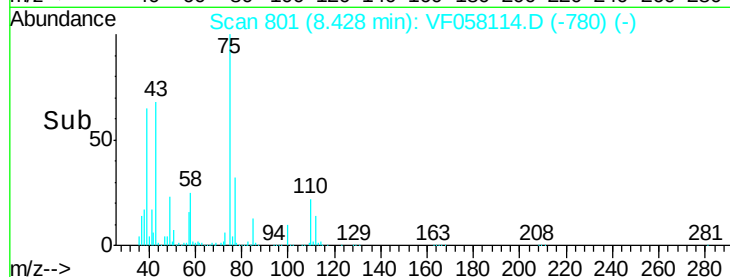
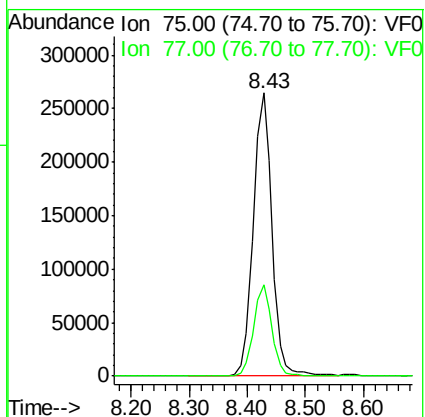
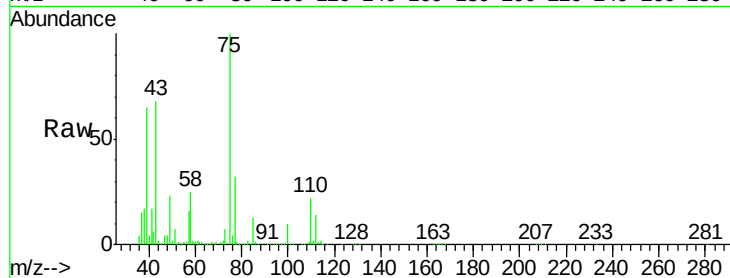
VSTDIC100

Manual Integrations

APPROVED

apatel

6/7/2018 12:37:53 PM



#54

cis-1,3-Dichloropropene

Concen: 95.176 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

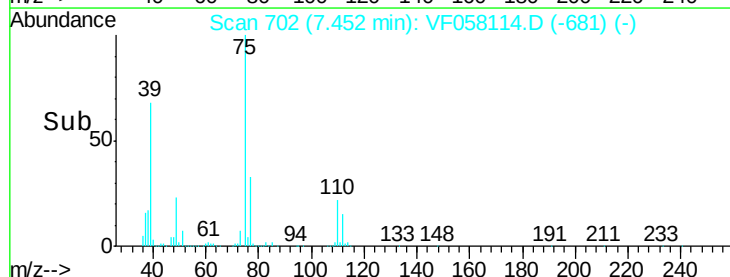
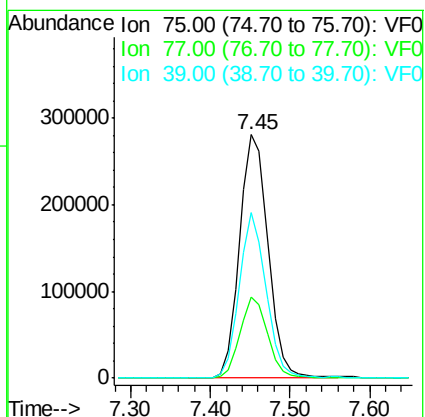
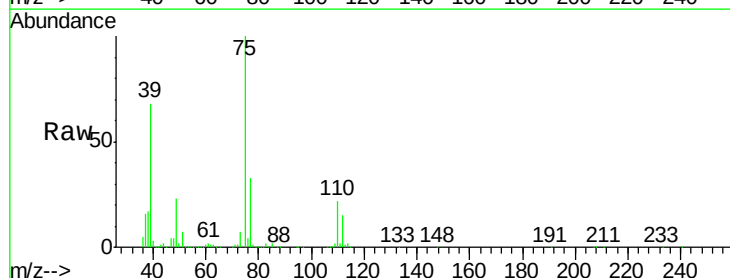
Tgt Ion: 75 Resp: 695164

Ion Ratio Lower Upper

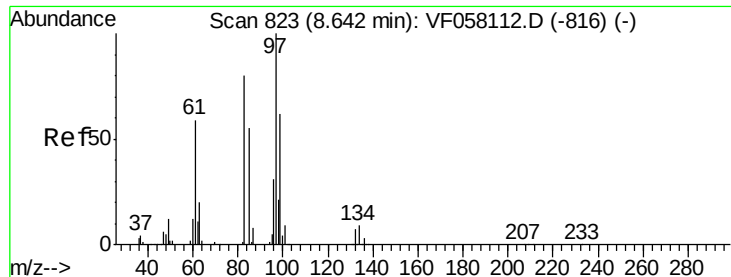
75 100

77 33.3 26.3 39.5

39 67.9 52.1 78.1







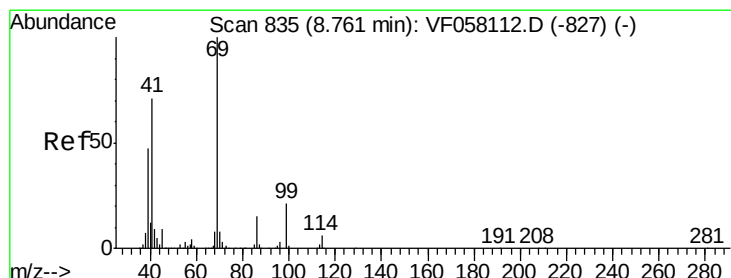
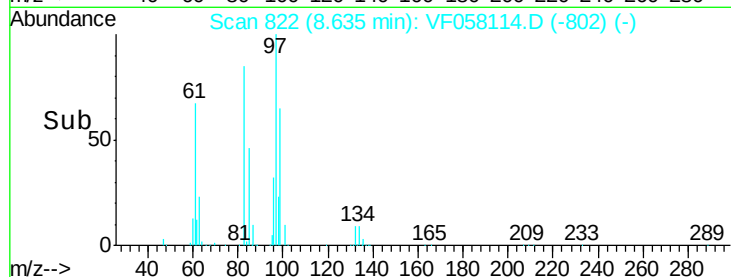
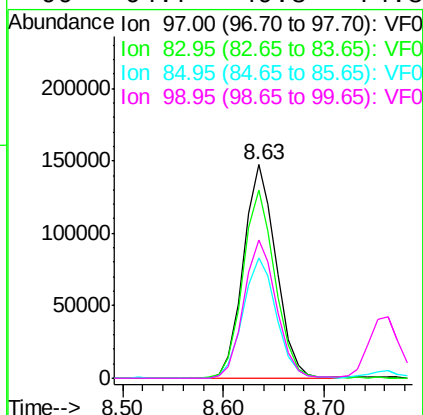
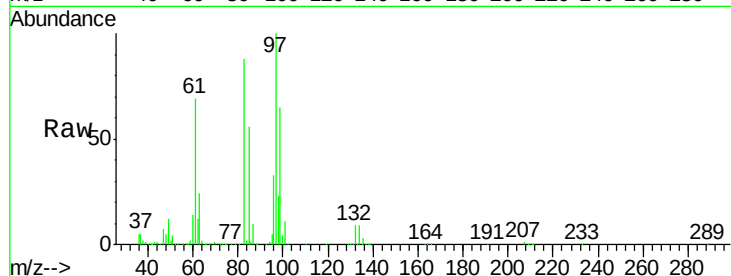
#55  
 1,1,2-Trichloroethane  
 Concen: 94.032 ug/l  
 RT: 8.63 min Scan# 822  
 Delta R.T. -0.01 min  
 Lab File: VF058114.D  
 Acq: 6 Jun 2018 18:37

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDIC100

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 97    | Resp: | 333601 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 83        | 88.2  | 64.3  | 96.5   |
| 85        | 56.1  | 43.8  | 65.8   |
| 99        | 64.7  | 49.8  | 74.8   |

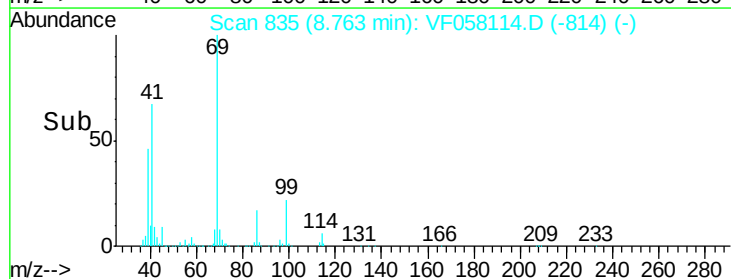
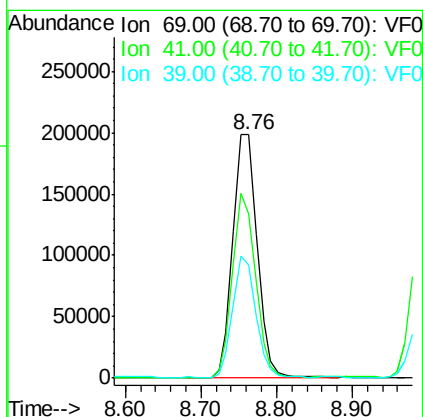
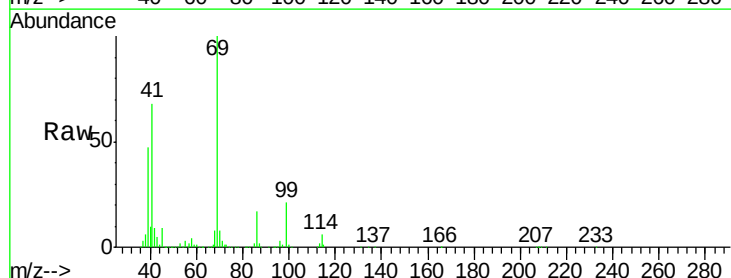
Manual Integrations  
 APPROVED

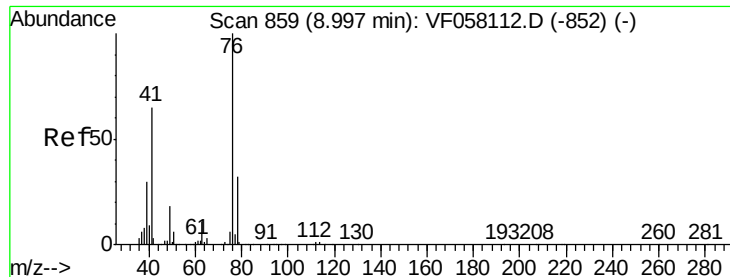
apatel  
 6/7/2018 12:37:53 PM



#56  
 Ethyl methacrylate  
 Concen: 99.256 ug/l  
 RT: 8.76 min Scan# 835  
 Delta R.T. 0.00 min  
 Lab File: VF058114.D  
 Acq: 6 Jun 2018 18:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 69    | Resp: | 445334 |
| Ion Ratio | Lower | Upper |        |
| 69        | 100   |       |        |
| 41        | 67.7  | 56.9  | 85.3   |
| 39        | 46.6  | 38.0  | 57.0   |





#57

1,3-Dichloropropane

Concen: 92.480 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA\_F

ClientSampleId :

VSTDICC100

Tgt Ion: 76 Resp: 571224

Ion Ratio Lower Upper

76 100

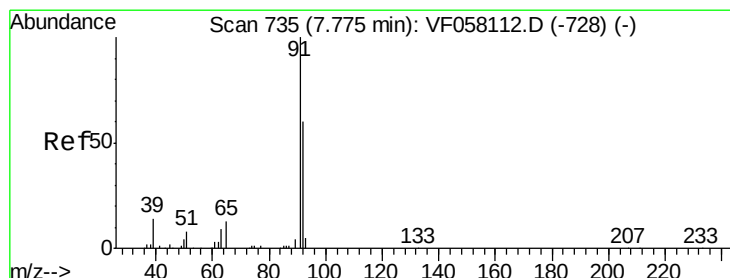
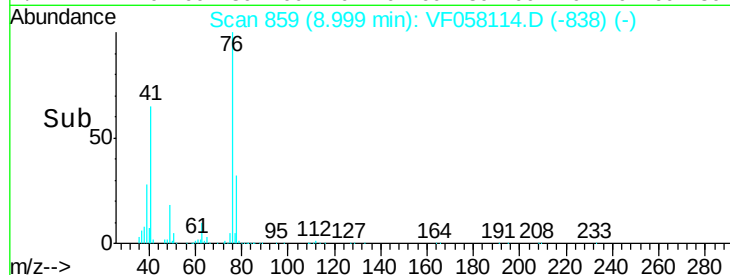
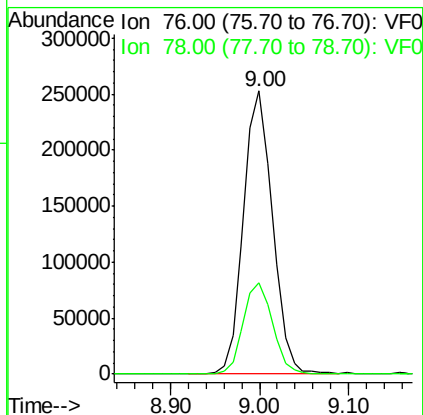
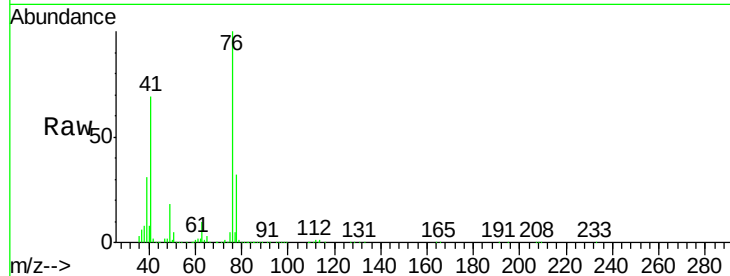
78 32.4 25.8 38.6

Manual Integrations

APPROVED

apatel

6/7/2018 12:37:53 PM



#58

2-Chloroethyl Vinyl ether

Concen: 456.050 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF058114.D

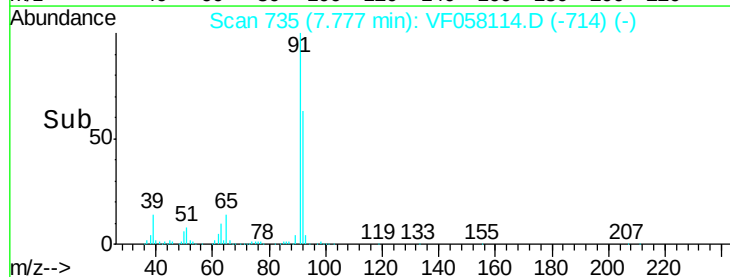
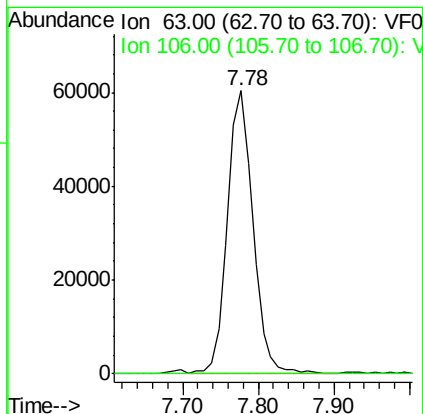
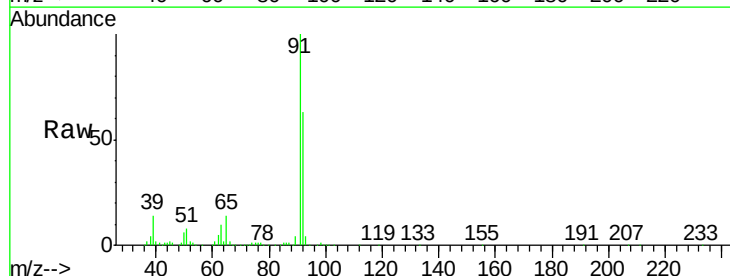
Acq: 6 Jun 2018 18:37

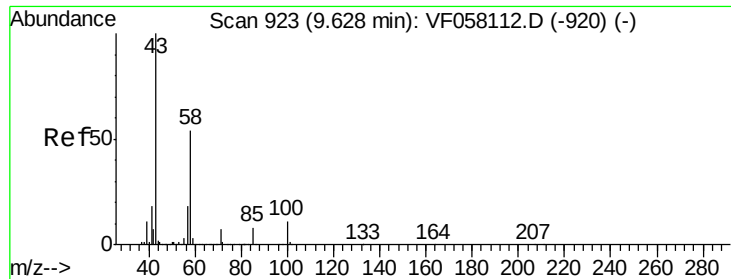
Tgt Ion: 63 Resp: 141461

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





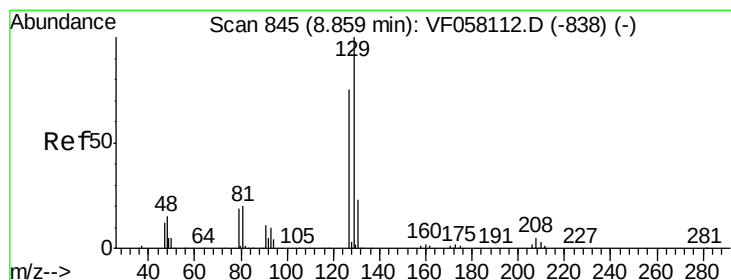
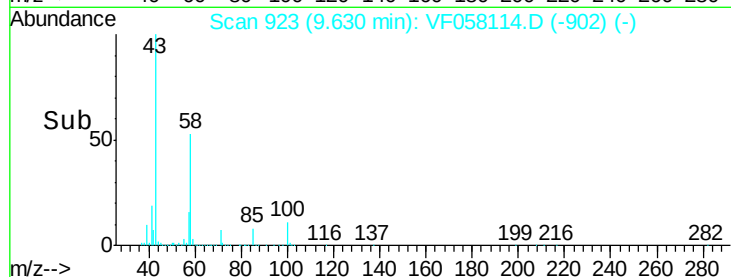
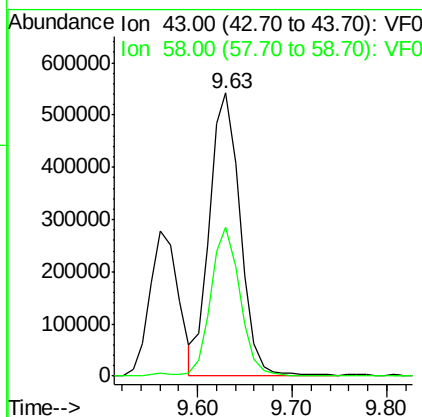
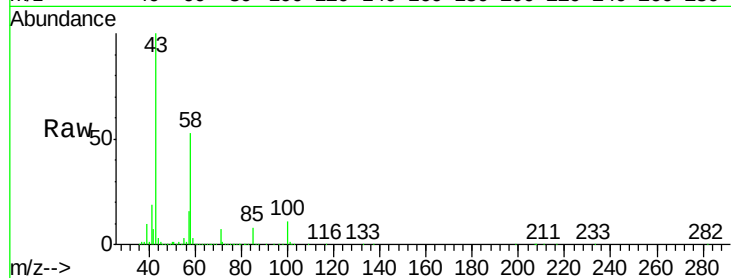
#59  
2-Hexanone  
Concen: 475.791 ug/l  
RT: 9.63 min Scan# 923  
Delta R.T. 0.00 min  
Lab File: VF058114.D  
Acq: 6 Jun 2018 18:37

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDIC100

Tgt Ion: 43 Resp: 1213665  
Ion Ratio Lower Upper  
43 100  
58 52.6 26.3 78.8

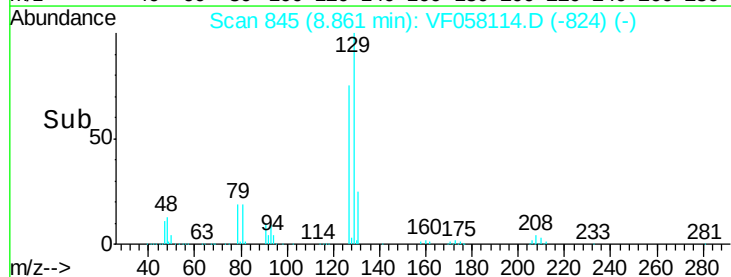
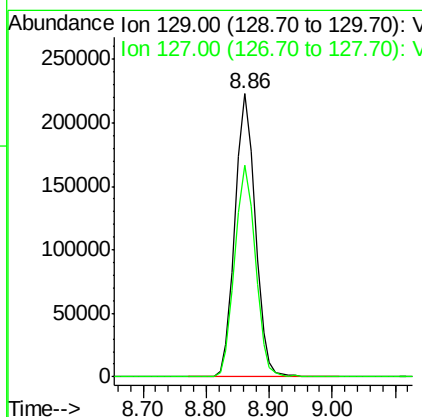
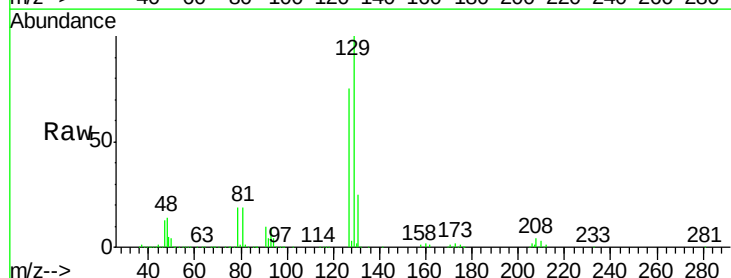
Manual Integrations  
APPROVED

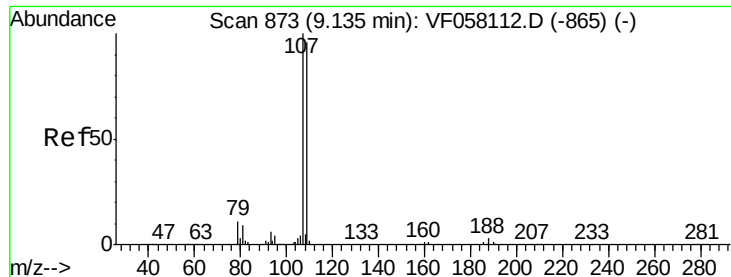
apatel  
6/7/2018 12:37:53 PM



#60  
Dibromochloromethane  
Concen: 98.415 ug/l  
RT: 8.86 min Scan# 845  
Delta R.T. 0.00 min  
Lab File: VF058114.D  
Acq: 6 Jun 2018 18:37

Tgt Ion: 129 Resp: 496467  
Ion Ratio Lower Upper  
129 100  
127 74.8 37.6 112.9





#61

1,2-Dibromoethane

Concen: 95.287 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA\_F

ClientSampleId :

VSTDIC100

Tgt Ion: 107 Resp: 403323

Ion Ratio Lower Upper

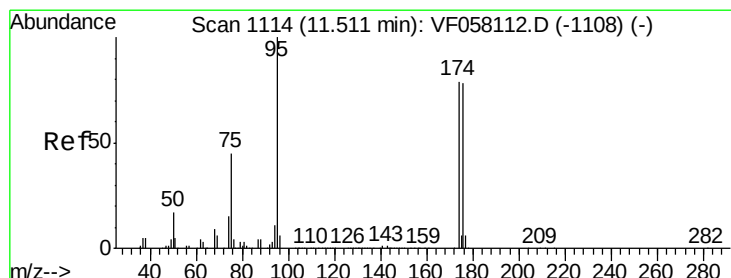
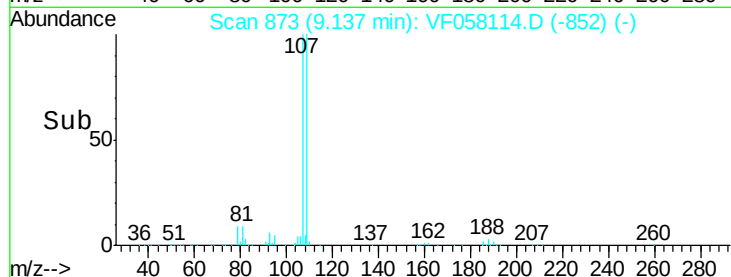
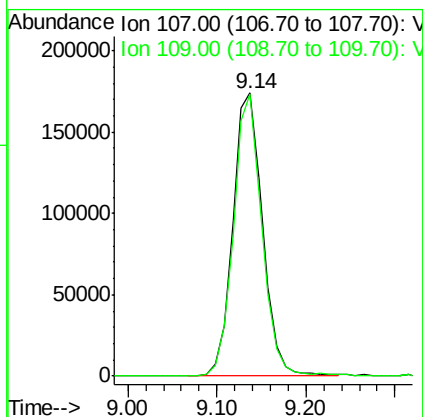
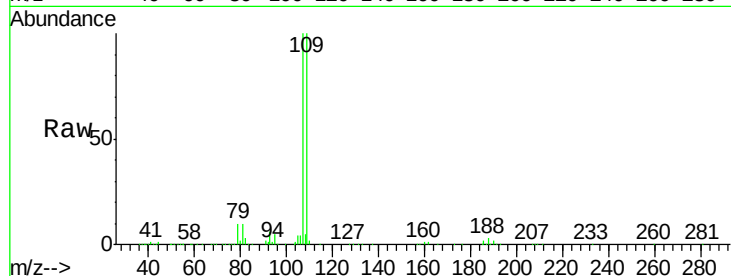
107 100

109 99.6 76.6 115.0

Manual Integrations  
APPROVED

apatel

6/7/2018 12:37:53 PM



#62

4-Bromofluorobenzene

Concen: 89.322 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

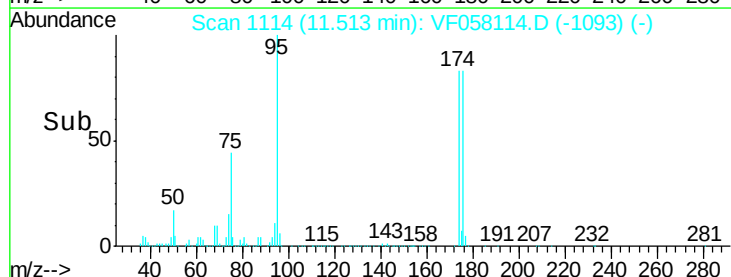
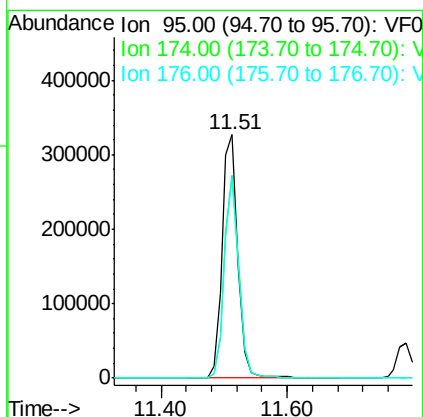
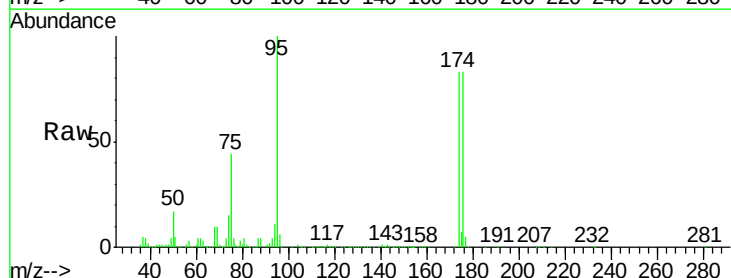
Tgt Ion: 95 Resp: 570138

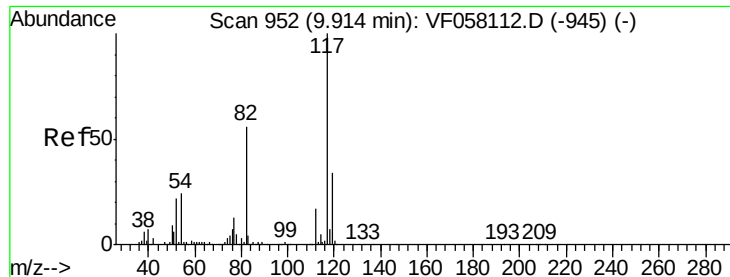
Ion Ratio Lower Upper

95 100

174 83.2 0.0 157.8

176 82.8 0.0 155.8





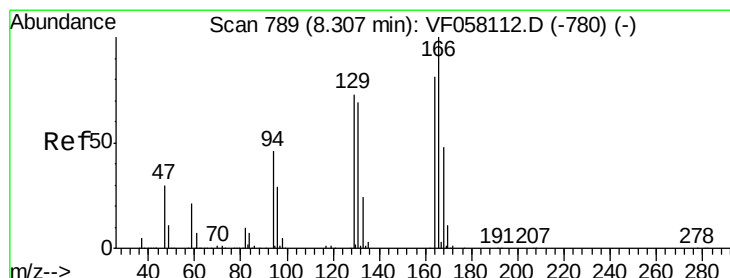
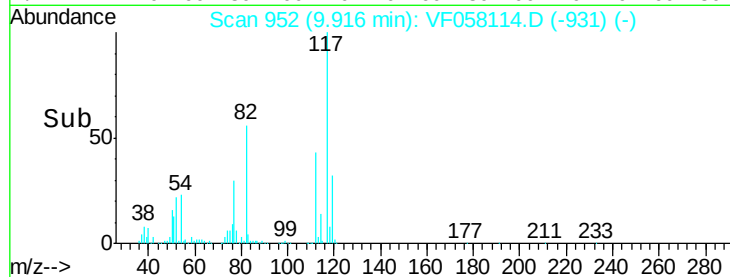
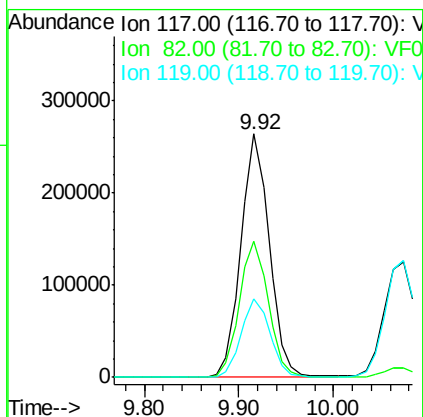
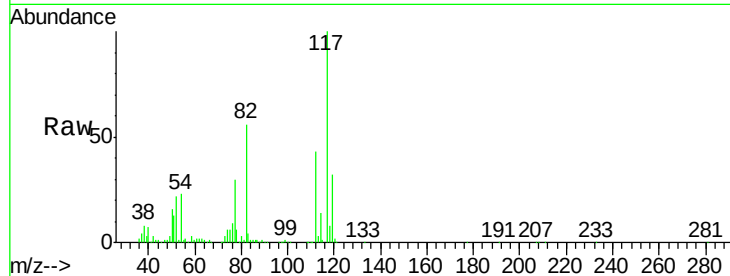
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.92 min Scan# 952  
Delta R.T. 0.00 min  
Lab File: VF058114.D  
Acq: 6 Jun 2018 18:37

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDIC100

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 552801 |       |       |
| 82      | 56.2  |        | 45.2  | 67.8  |
| 119     | 32.4  |        | 27.5  | 41.3  |

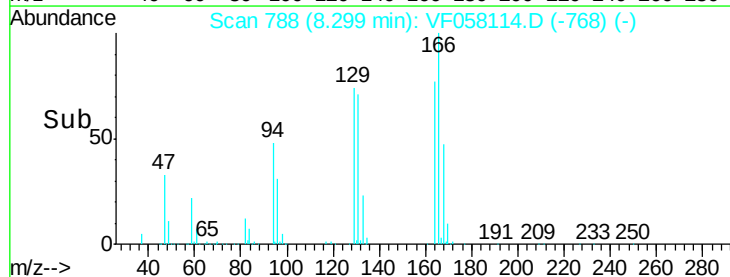
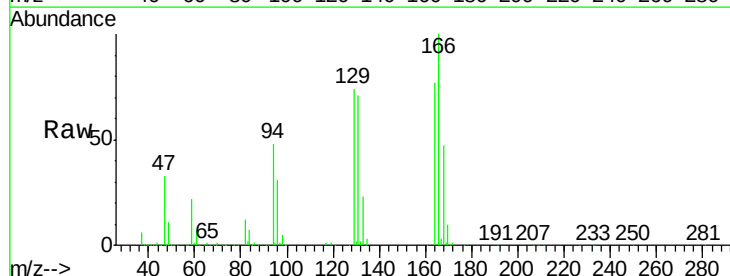
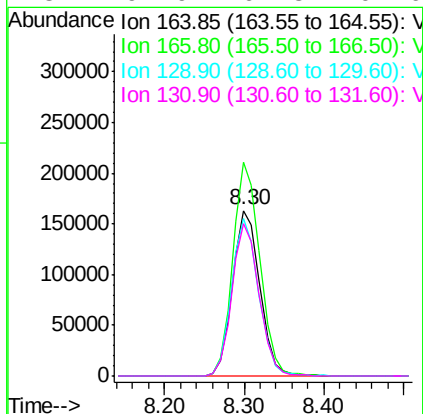
Manual Integrations  
APPROVED

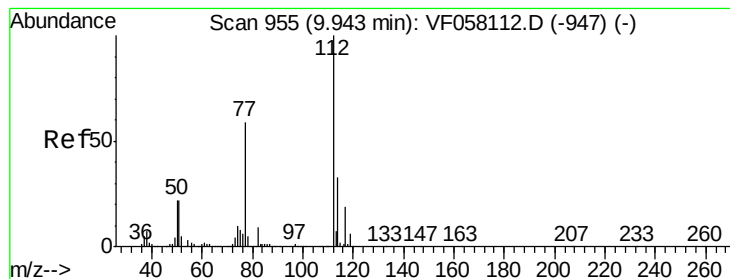
apatel  
6/7/2018 12:37:53 PM



#64  
Tetrachloroethene  
Concen: 93.501 ug/l  
RT: 8.30 min Scan# 788  
Delta R.T. -0.01 min  
Lab File: VF058114.D  
Acq: 6 Jun 2018 18:37

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 390158 |       |       |
| 166     | 129.3 |        | 98.2  | 147.4 |
| 129     | 95.3  |        | 71.6  | 107.4 |
| 131     | 91.9  |        | 67.8  | 101.6 |





#65

Chlorobenzene

Concen: 94.010 ug/l

RT: 9.94 min Scan# 954

Delta R.T. -0.01 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA\_F

ClientSampleId :

VSTDIC100

Tgt Ion:112 Resp: 1052967

Ion Ratio Lower Upper

112 100

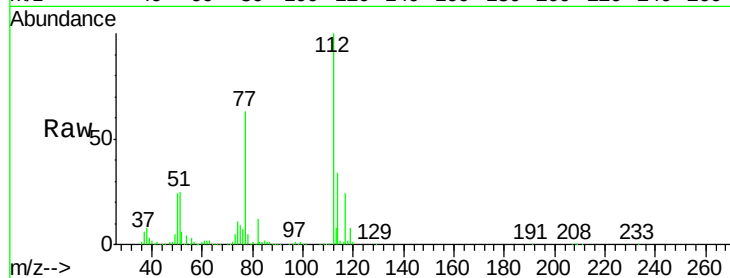
114 34.5 26.2 39.4

Manual Integrations

APPROVED

apatel

6/7/2018 12:37:53 PM



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

9.94

400000

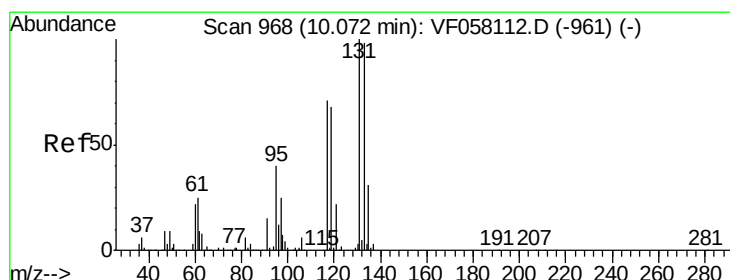
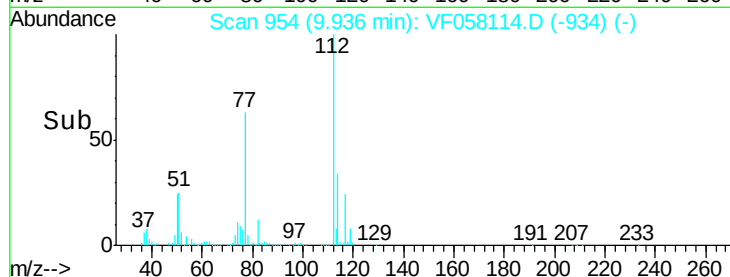
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 95.817 ug/l

RT: 10.07 min Scan# 968

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

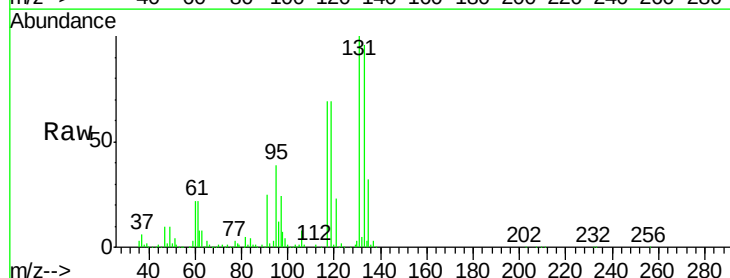
Tgt Ion:131 Resp: 419501

Ion Ratio Lower Upper

131 100

133 95.9 49.1 147.4

119 69.1 34.3 102.8



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

10.07

250000

200000

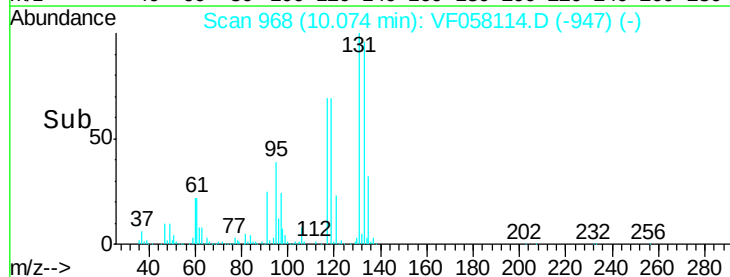
150000

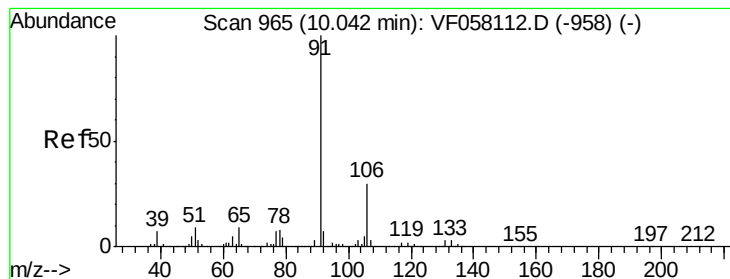
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 90.102 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA\_F

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 1773751

Ion Ratio Lower Upper

91 100

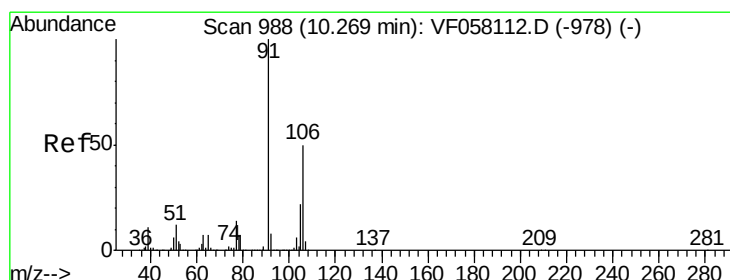
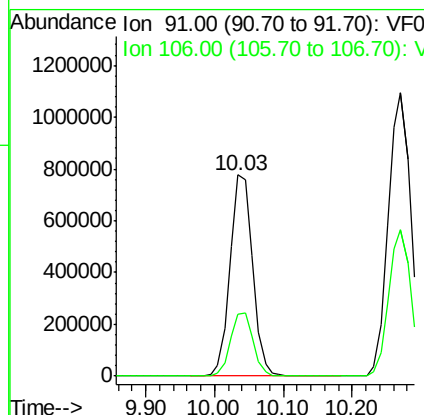
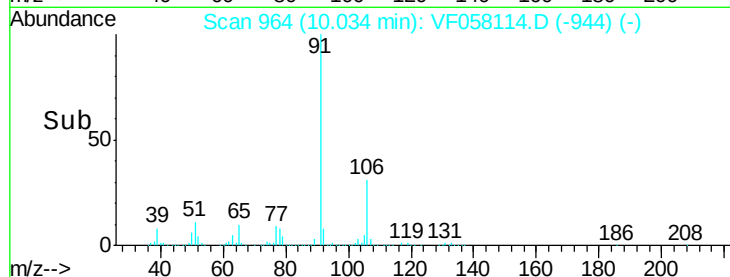
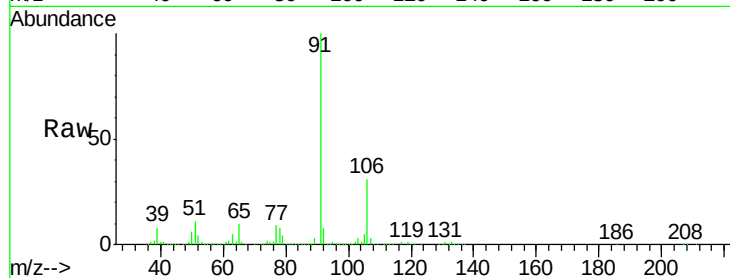
106 30.8 24.2 36.4

Manual Integrations

APPROVED

apatel

6/7/2018 12:37:53 PM



#68

m/p-Xylenes

Concen: 174.180 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.00 min

Lab File: VF058114.D

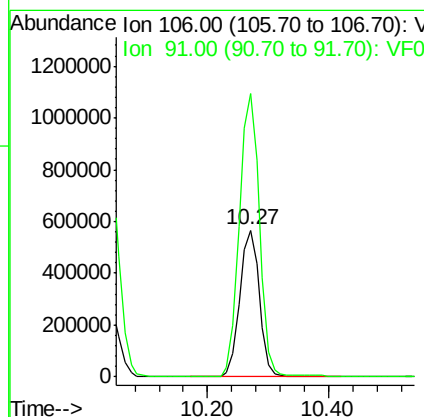
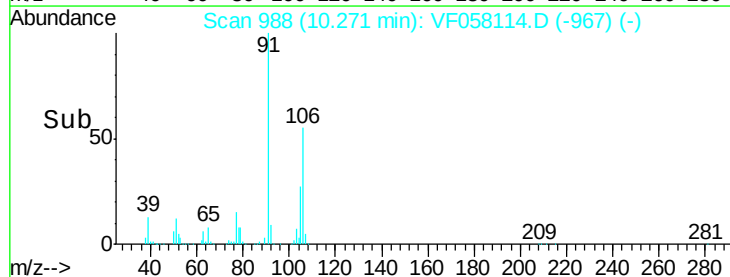
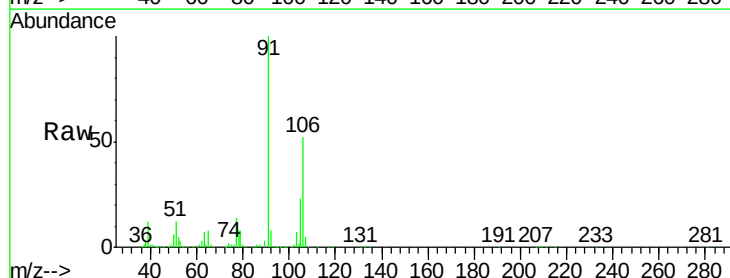
Acq: 6 Jun 2018 18:37

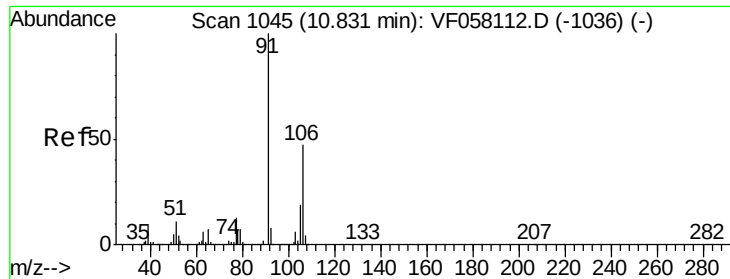
Tgt Ion: 106 Resp: 1271264

Ion Ratio Lower Upper

106 100

91 192.8 160.7 241.1





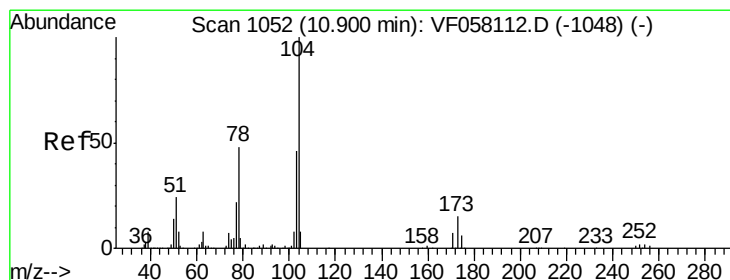
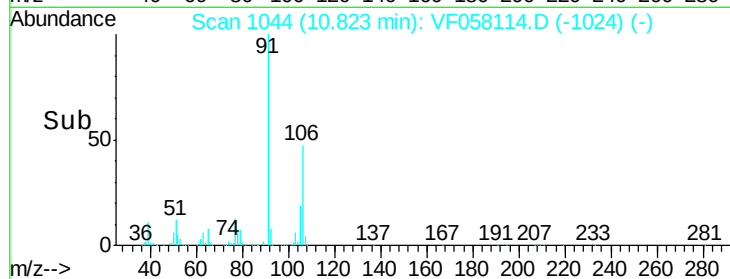
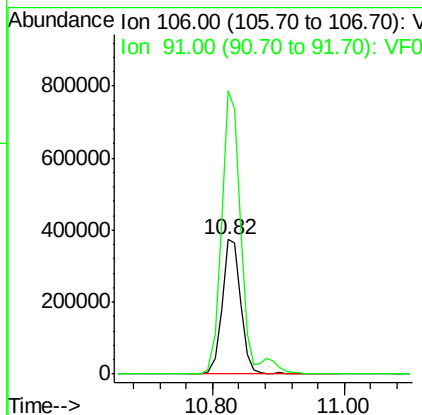
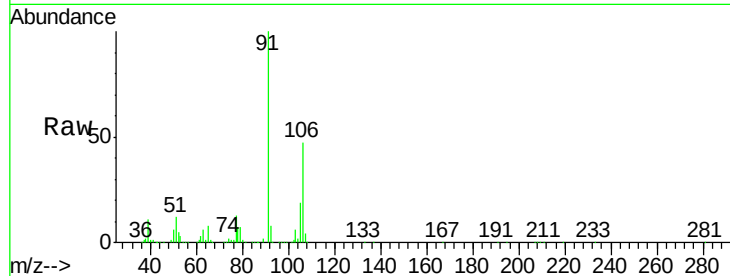
#69  
o-Xylene  
Concen: 92.740 ug/l  
RT: 10.82 min Scan# 1044  
Delta R.T. -0.01 min  
Lab File: VF058114.D  
Acq: 6 Jun 2018 18:37

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDIC100

Tgt Ion:106 Resp: 737225  
Ion Ratio Lower Upper  
106 100  
91 210.6 107.0 321.0

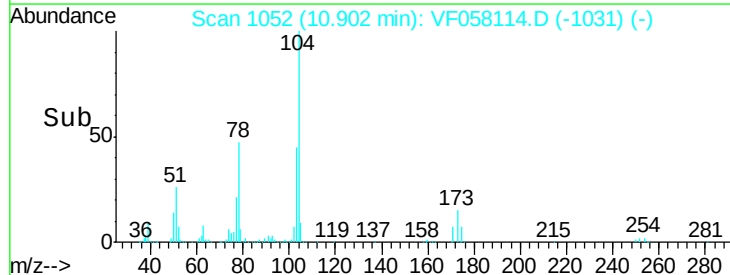
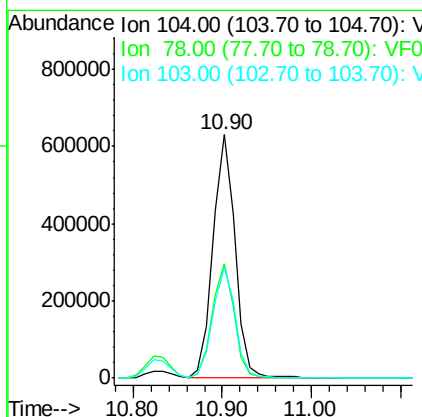
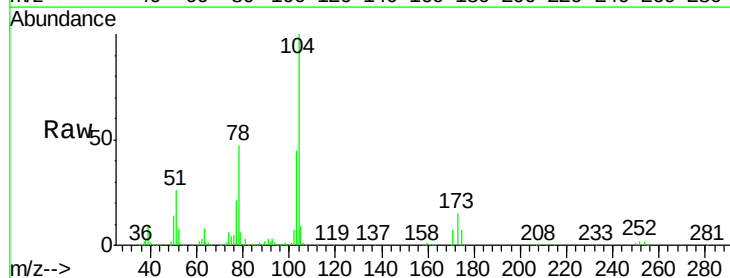
Manual Integrations  
APPROVED

apatel  
6/7/2018 12:37:53 PM

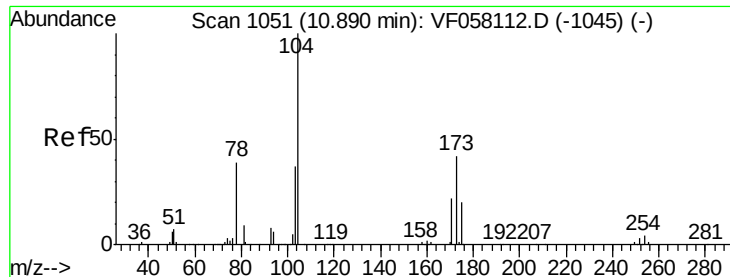


#70  
Styrene  
Concen: 91.102 ug/l  
RT: 10.90 min Scan# 1052  
Delta R.T. 0.00 min  
Lab File: VF058114.D  
Acq: 6 Jun 2018 18:37

Tgt Ion:104 Resp: 1085905  
Ion Ratio Lower Upper  
104 100  
78 46.7 38.4 57.6  
103 45.3 37.0 55.6







#71

Bromoform

Concen: 102.435 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA\_F

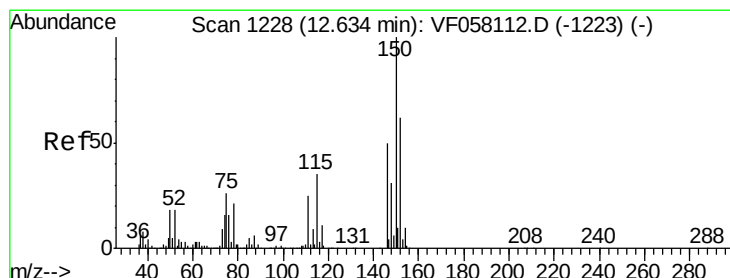
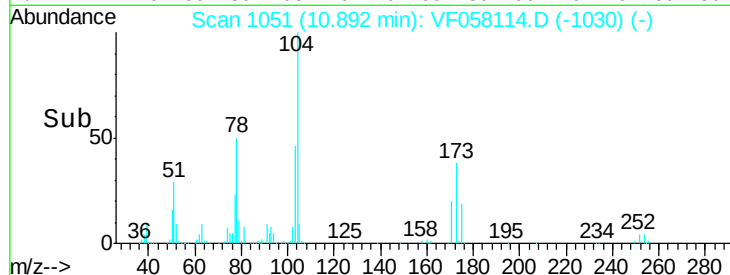
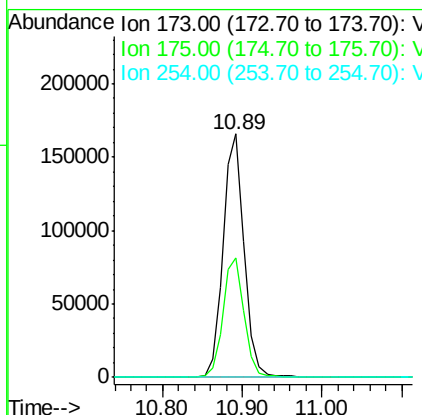
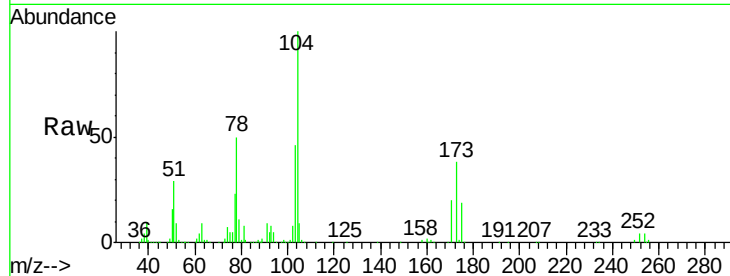
ClientSampleId :

VSTDIC100

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 173     | 100   |      |       |       |
| 175     | 49.1  | 24.6 | 74.0  |       |
| 254     | 0.1   | 7.8  | 11.8  |       |

Manual Integrations  
APPROVED

apatel  
6/7/2018 12:37:53 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

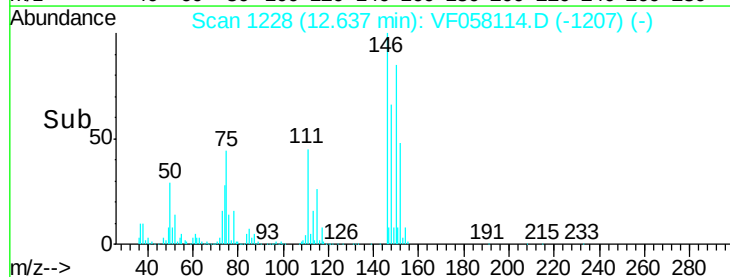
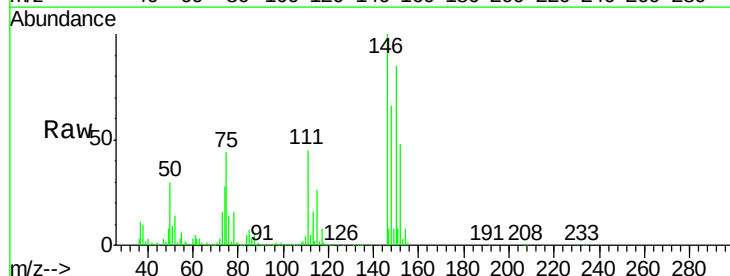
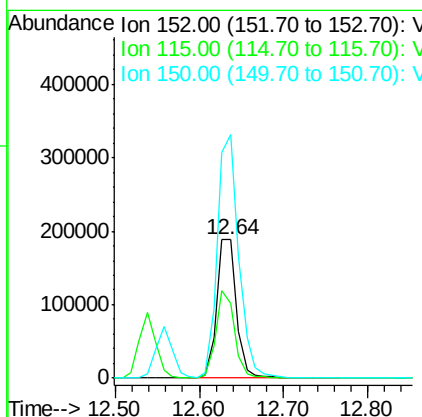
RT: 12.64 min Scan# 1228

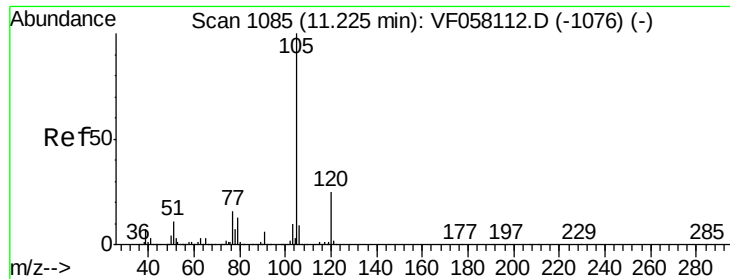
Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 152     | 100   |      |       |       |
| 115     | 53.8  | 28.5 | 85.5  |       |
| 150     | 175.8 | 0.0  | 323.8 |       |





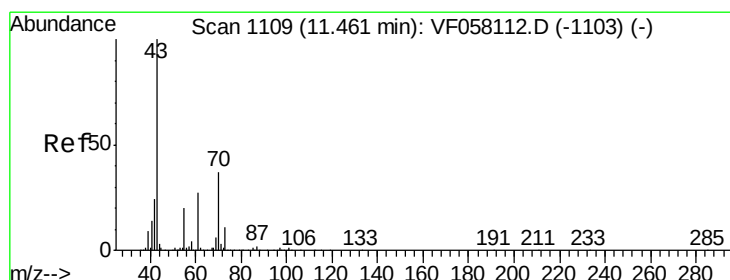
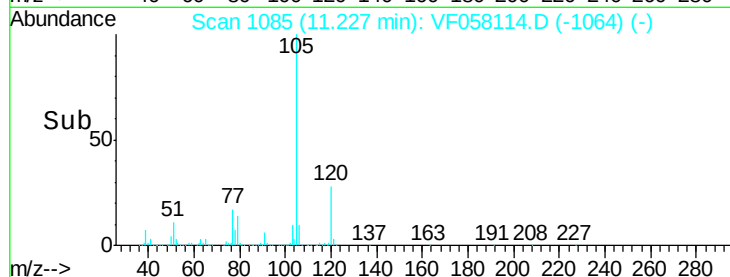
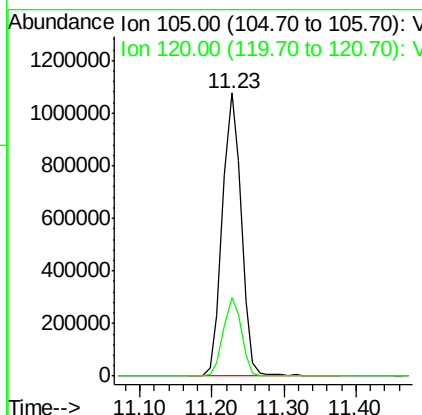
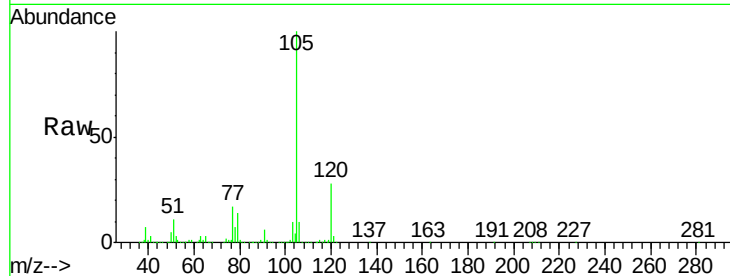
#73  
Isopropylbenzene  
Concen: 89.581 ug/l  
RT: 11.23 min Scan# 1085  
Delta R.T. 0.00 min  
Lab File: VF058114.D  
Acq: 6 Jun 2018 18:37

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDIC100

Tgt Ion: 105 Resp: 1958211  
Ion Ratio Lower Upper  
105 100  
120 27.6 12.7 38.1

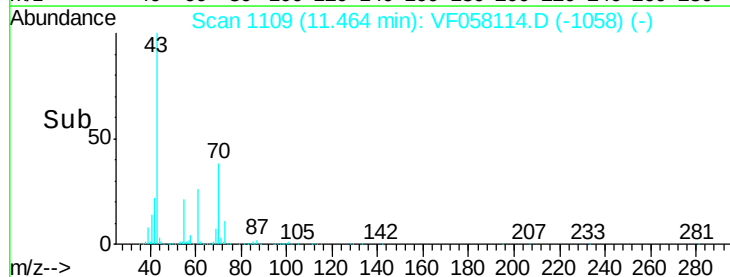
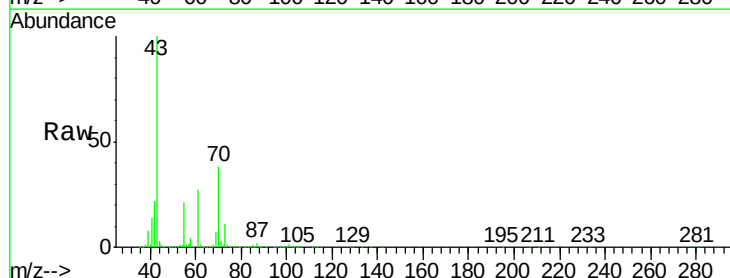
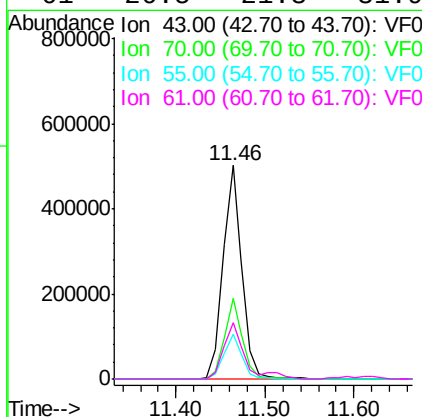
Manual Integrations  
APPROVED

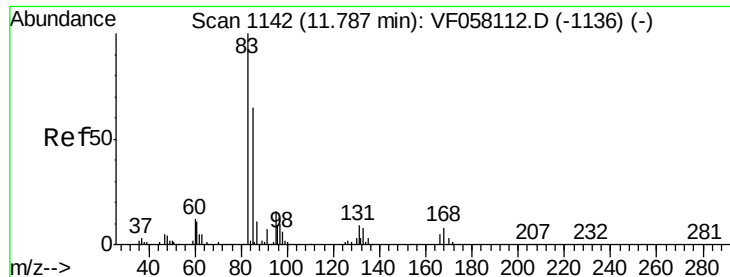
apatel  
6/7/2018 12:37:53 PM



#74  
N-ethyl acetate  
Concen: 91.653 ug/l  
RT: 11.46 min Scan# 1109  
Delta R.T. 0.00 min  
Lab File: VF058114.D  
Acq: 6 Jun 2018 18:37

Tgt Ion: 43 Resp: 747129  
Ion Ratio Lower Upper  
43 100  
70 38.0 29.2 43.8  
55 20.9 15.8 23.6  
61 26.5 21.3 31.9





#75

1,1,2,2-Tetrachloroethane

Concen: 93.660 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA\_F

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 490428  
Ion Ratio Lower Upper

83 100

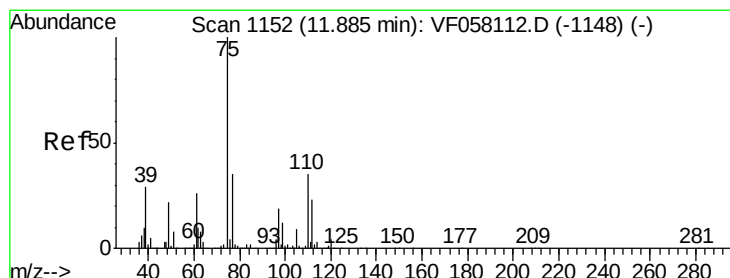
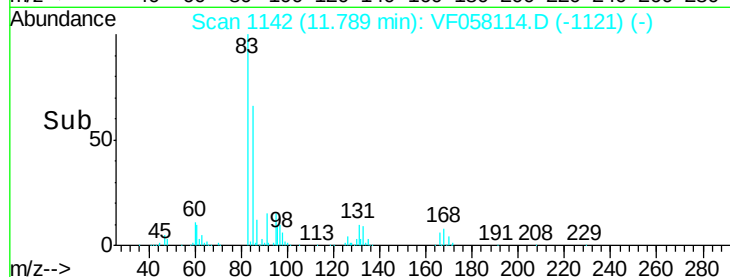
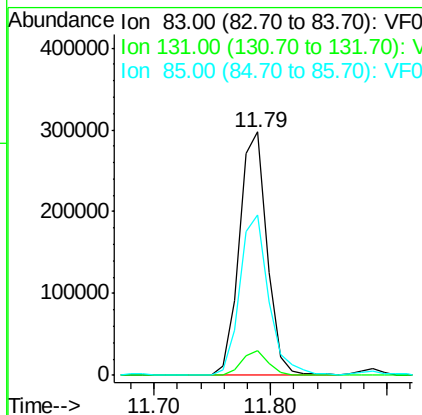
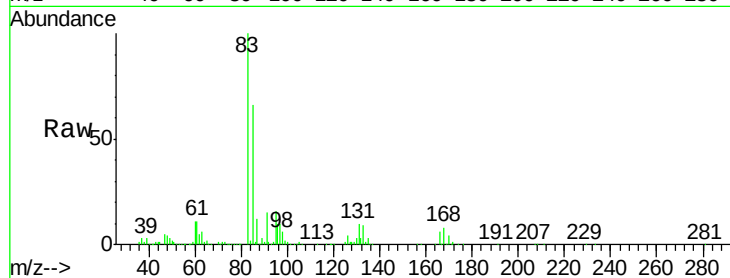
131 10.0 4.5 13.7

85 65.6 32.8 98.3

Manual Integrations  
APPROVED

apatel

6/7/2018 12:37:53 PM



#76

1,2,3-Trichloropropane

Concen: 96.397 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

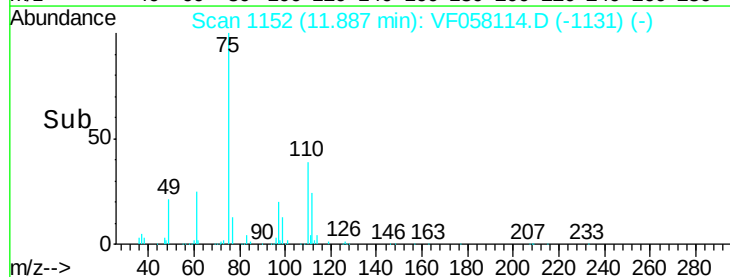
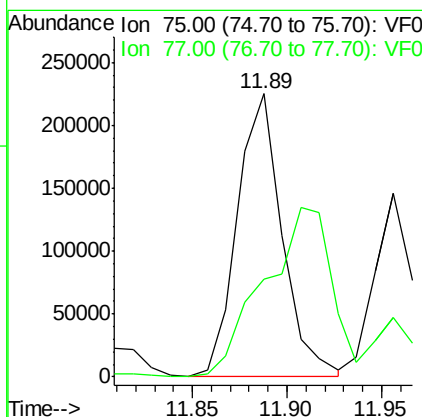
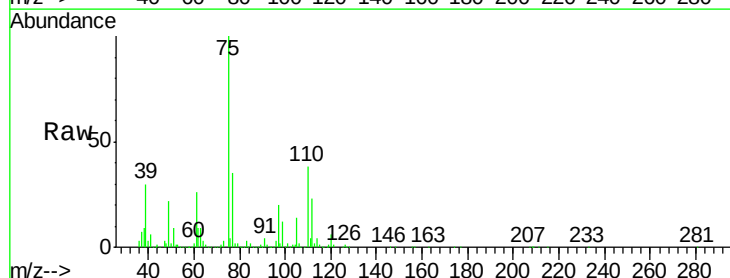
Lab File: VF058114.D

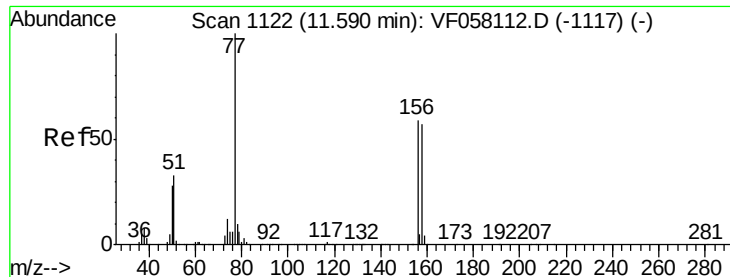
Acq: 6 Jun 2018 18:37

Tgt Ion: 75 Resp: 368319  
Ion Ratio Lower Upper

75 100

77 34.7 17.5 52.5





#77

Bromobenzene

Concen: 94.729 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA\_F

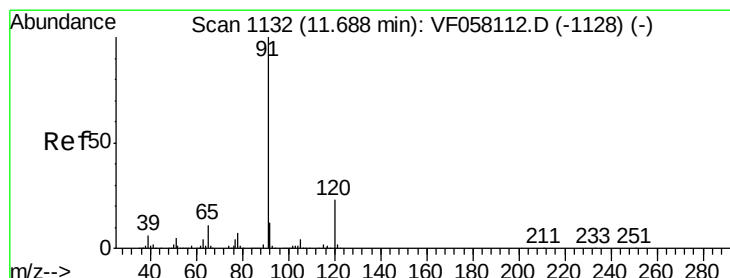
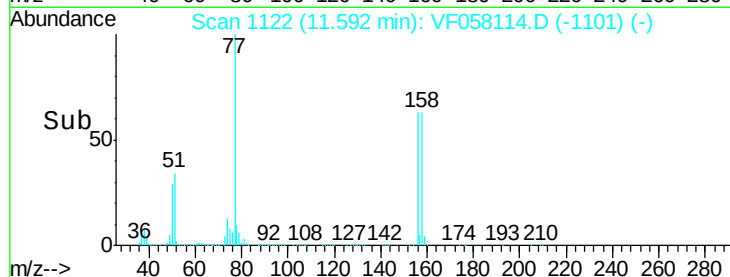
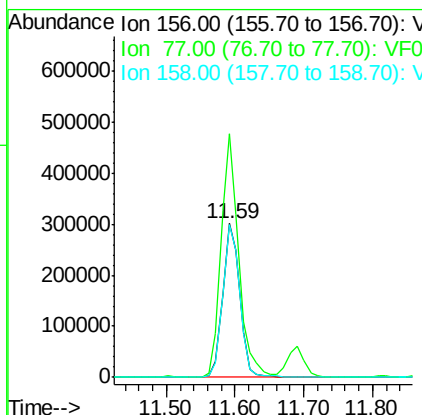
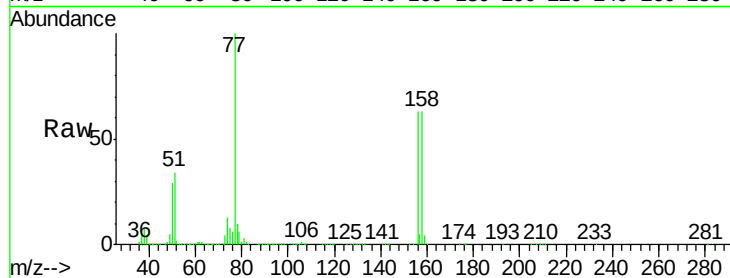
ClientSampleId :

VSTDIC100

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 158.4 | 84.8  | 254.4 |
| 158     | 99.2  | 47.9  | 143.7 |

Manual Integrations  
APPROVED

apatel  
6/7/2018 12:37:53 PM



#78

n-propylbenzene

Concen: 86.857 ug/l

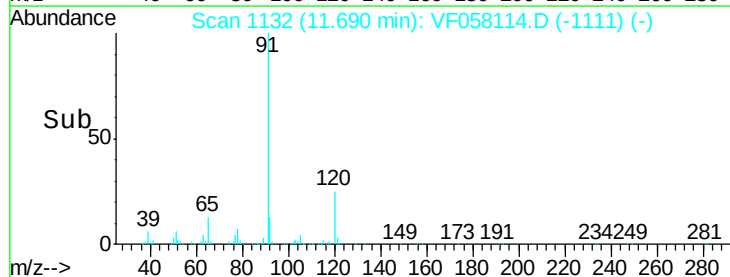
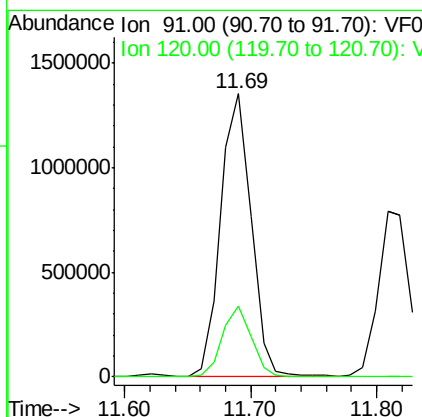
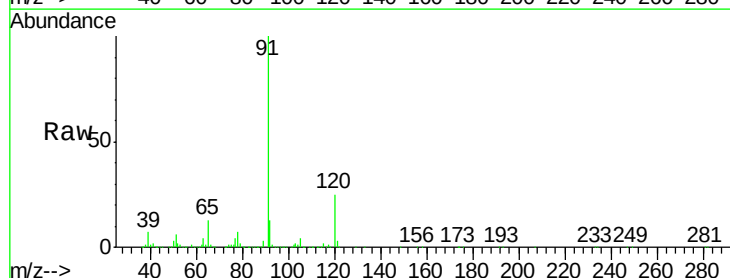
RT: 11.69 min Scan# 1132

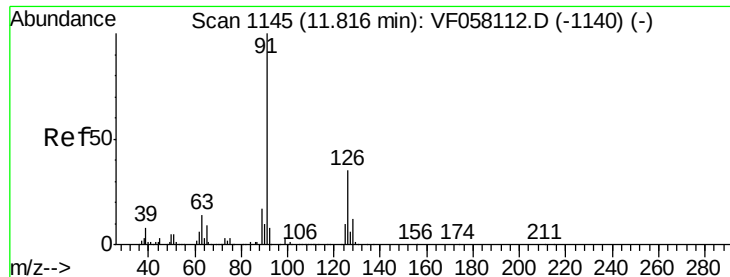
Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 24.8  | 11.5  | 34.5  |





#79

2-Chlorotoluene

Concen: 87.149 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA\_F

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 1344716

Ion Ratio Lower Upper

91 100

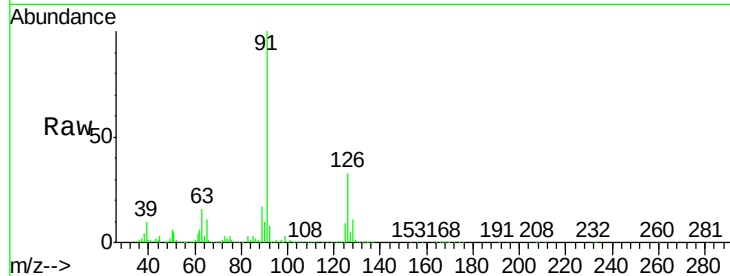
126 33.0 17.6 52.9

Manual Integrations

APPROVED

apatel

6/7/2018 12:37:53 PM



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

11.81

800000

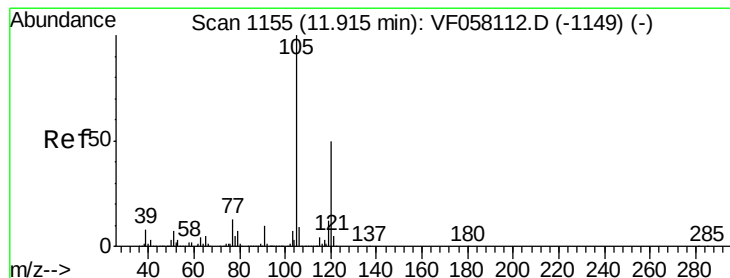
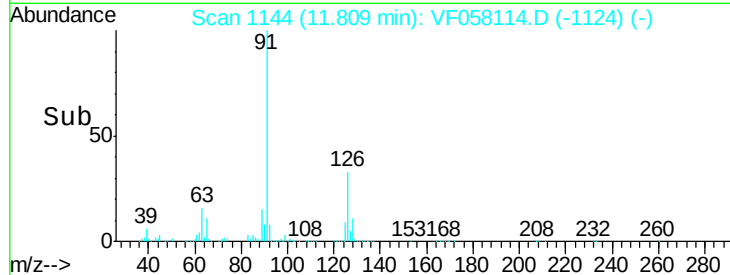
600000

400000

200000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 86.884 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VF058114.D

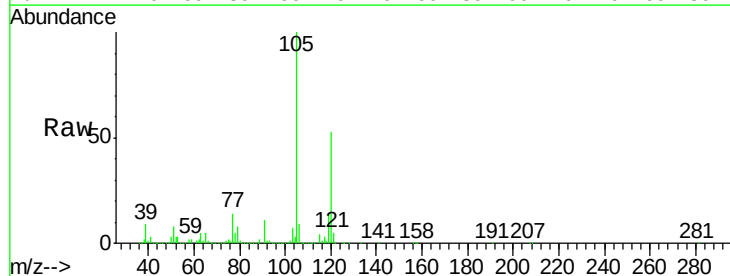
Acq: 6 Jun 2018 18:37

Tgt Ion:105 Resp: 1574498

Ion Ratio Lower Upper

105 100

120 53.4 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.92

1000000

800000

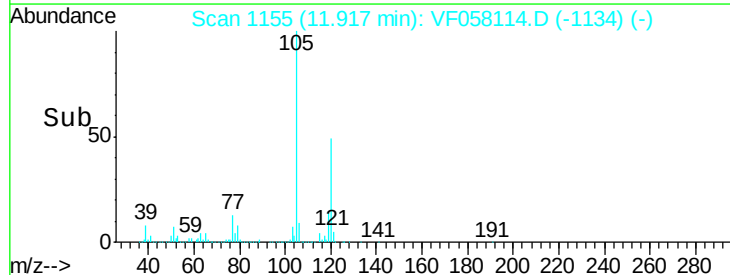
600000

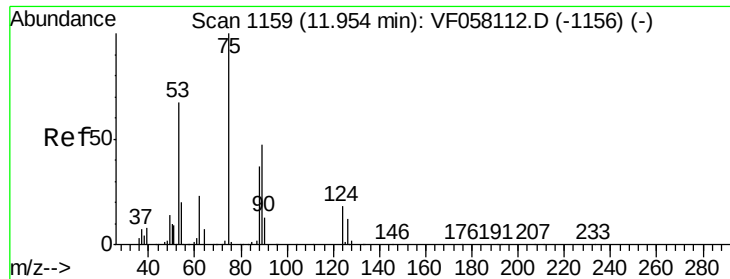
400000

200000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 102.745 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA\_F

ClientSampleId :

VSTDIC100

Tgt Ion: 75 Resp: 248637  
Ion Ratio Lower Upper

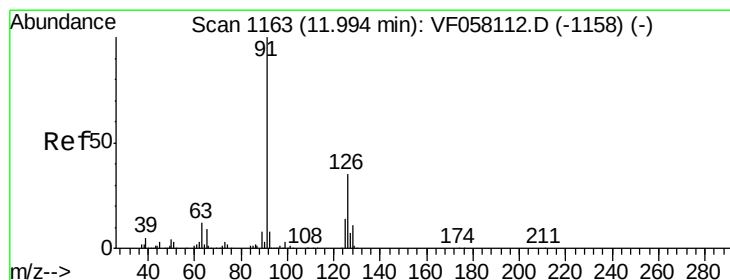
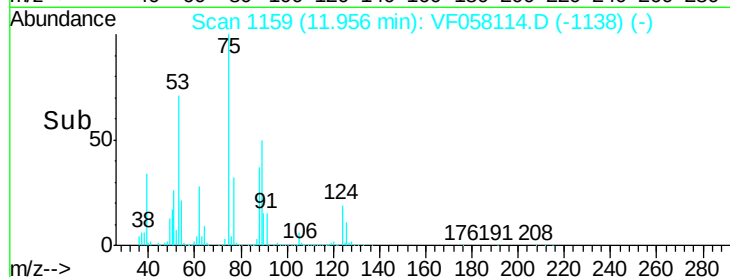
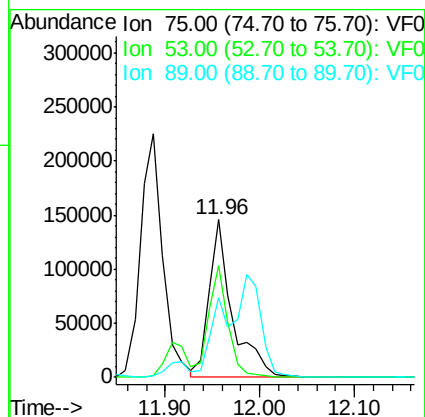
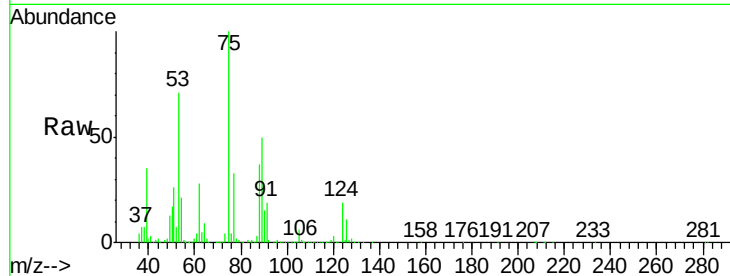
75 100

53 71.0 58.7 88.1

89 50.4 39.8 59.6

Manual Integrations  
APPROVED

apatel  
6/7/2018 12:37:53 PM



#82

4-Chlorotoluene

Concen: 89.507 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. -0.01 min

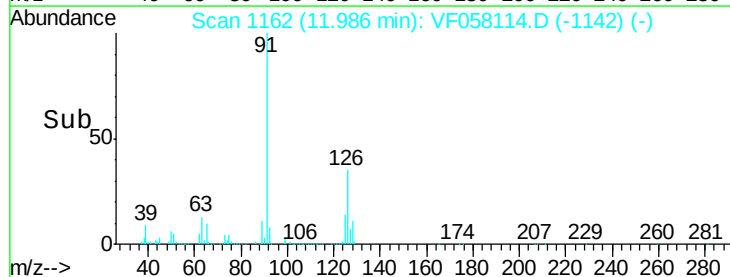
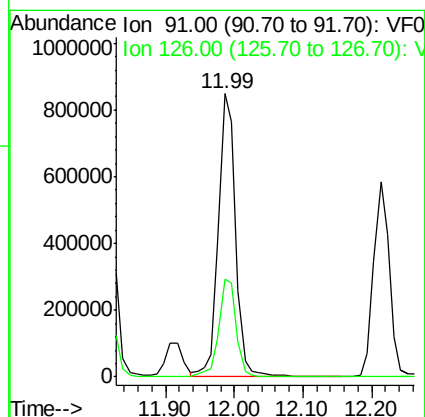
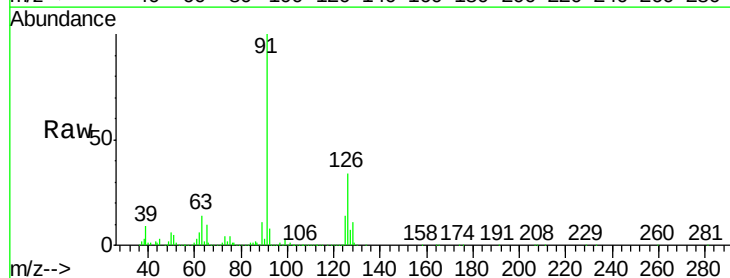
Lab File: VF058114.D

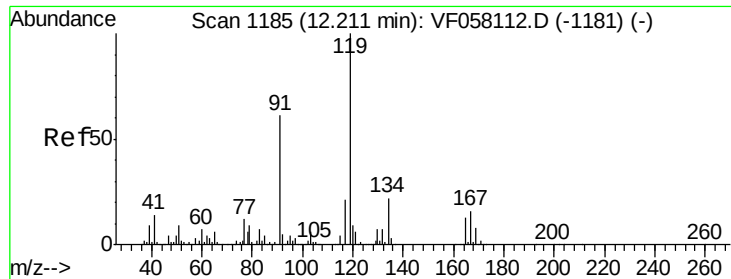
Acq: 6 Jun 2018 18:37

Tgt Ion: 91 Resp: 1456527  
Ion Ratio Lower Upper

91 100

126 34.5 17.4 52.2





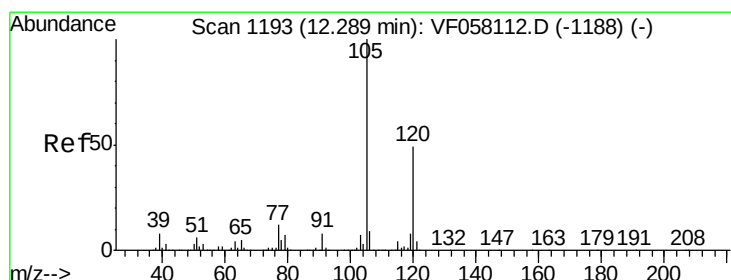
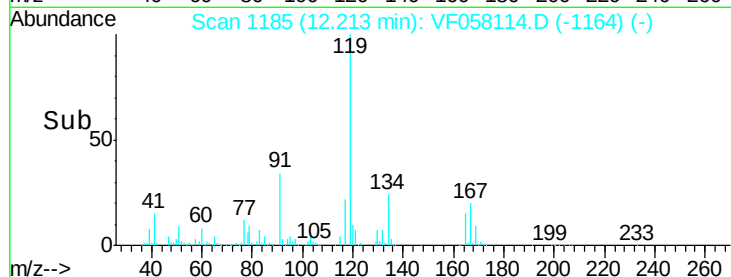
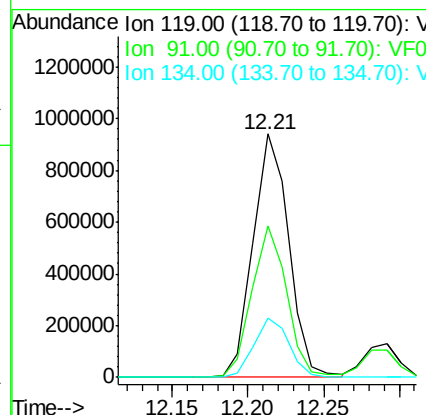
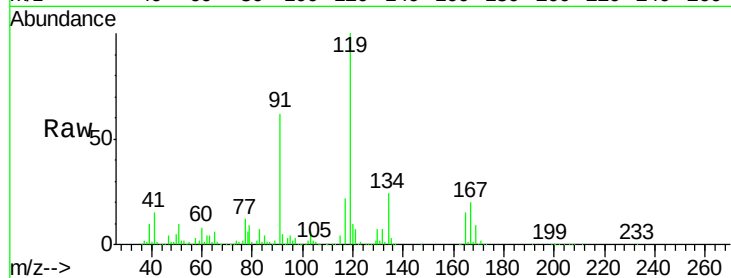
#83  
 tert-Butylbenzene  
 Concen: 85.843 ug/l  
 RT: 12.21 min Scan# 1185  
 Delta R.T. 0.00 min  
 Lab File: VF058114.D  
 Acq: 6 Jun 2018 18:37

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDIC100

Tgt Ion:119 Resp: 1555861  
 Ion Ratio Lower Upper  
 119 100  
 91 62.1 30.4 91.3  
 134 24.2 11.2 33.5

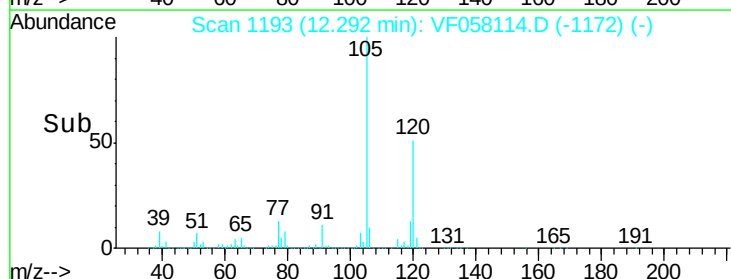
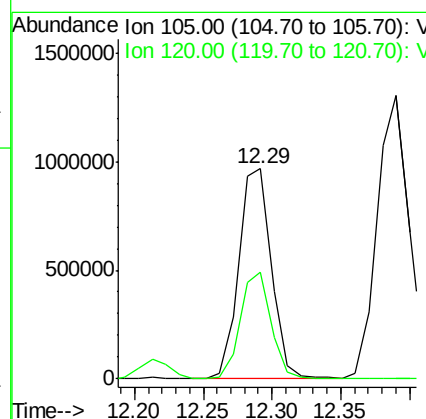
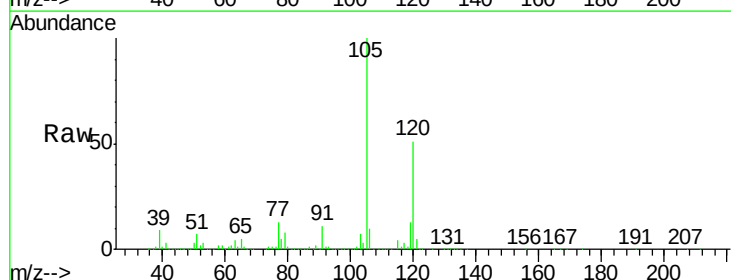
Manual Integrations  
 APPROVED

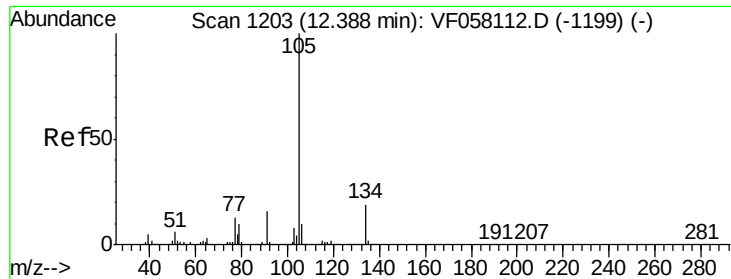
apatel  
 6/7/2018 12:37:53 PM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 84.905 ug/l  
 RT: 12.29 min Scan# 1193  
 Delta R.T. 0.00 min  
 Lab File: VF058114.D  
 Acq: 6 Jun 2018 18:37

Tgt Ion:105 Resp: 1596145  
 Ion Ratio Lower Upper  
 105 100  
 120 50.7 24.7 74.1





#85

sec-Butylbenzene

Concen: 85.721 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA\_F

ClientSampled :

VSTDIC100

Tgt Ion:105 Resp: 2104490

Ion Ratio Lower Upper

105 100

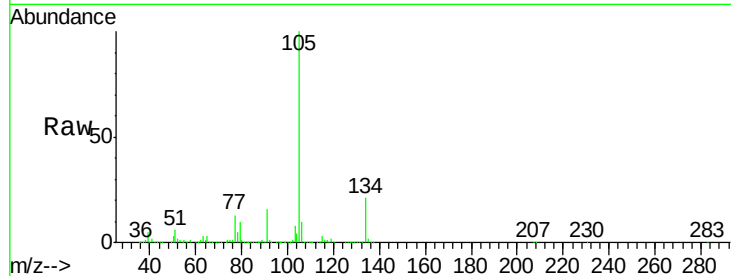
134 21.3 9.6 28.6

Manual Integrations

APPROVED

apatel

6/7/2018 12:37:53 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

1500000

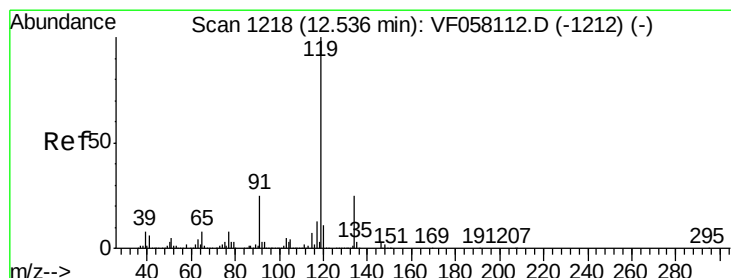
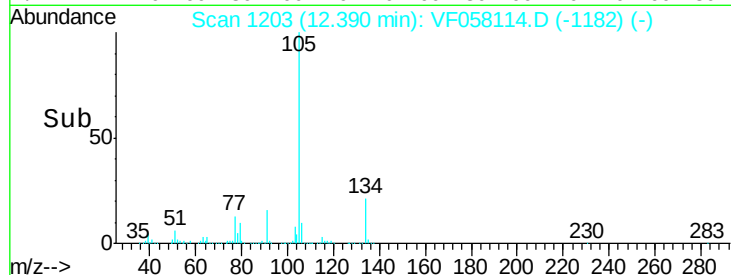
1000000

500000

0

12.30 12.40 12.50

Time-->



#86

p-Isopropyltoluene

Concen: 86.777 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

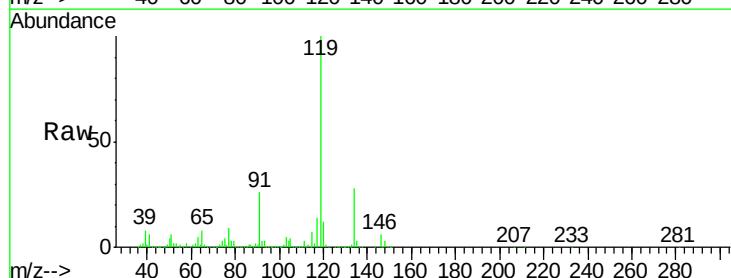
Tgt Ion:119 Resp: 1776051

Ion Ratio Lower Upper

119 100

134 27.6 12.7 38.0

91 26.1 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

1500000

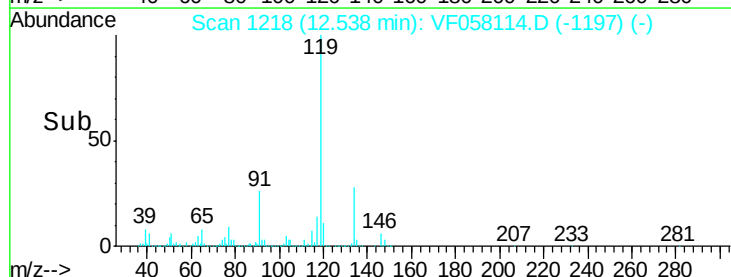
1000000

500000

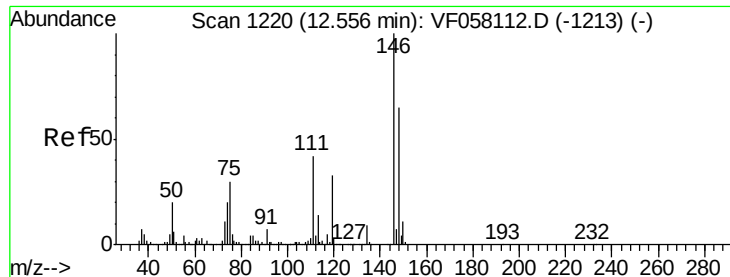
0

12.40 12.50 12.60 12.70

Time-->







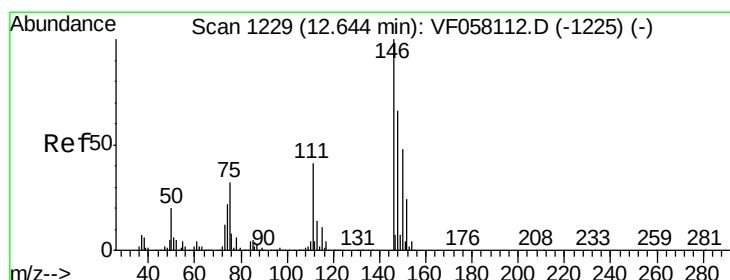
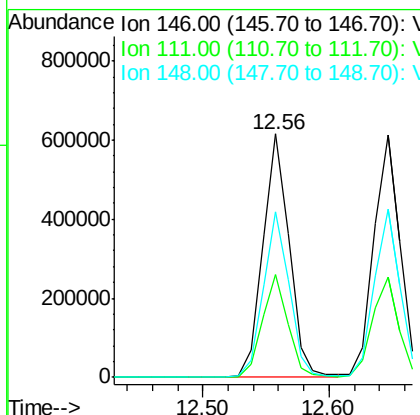
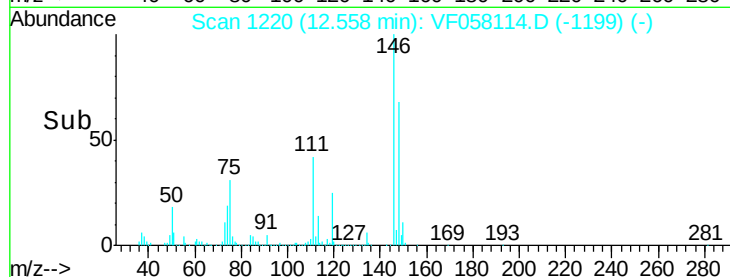
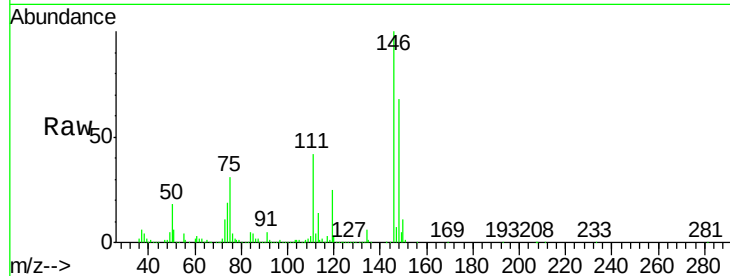
#87  
 1,3-Dichlorobenzene  
 Concen: 89.602 ug/l  
 RT: 12.56 min Scan# 1220  
 Delta R.T. 0.00 min  
 Lab File: VF058114.D  
 Acq: 6 Jun 2018 18:37

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDIC100

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 899793 |       |       |
| 111     | 42.0  | 20.8   | 62.5  |       |
| 148     | 67.9  | 32.3   | 96.9  |       |

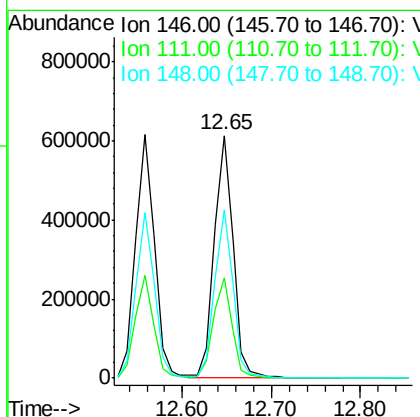
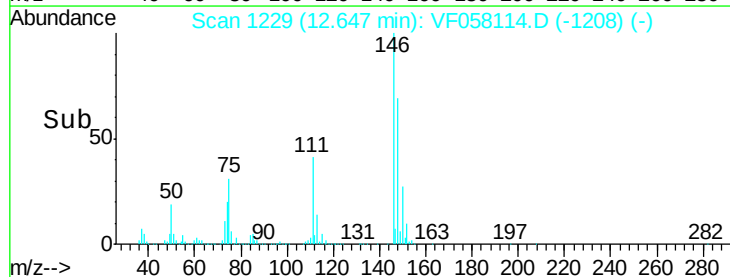
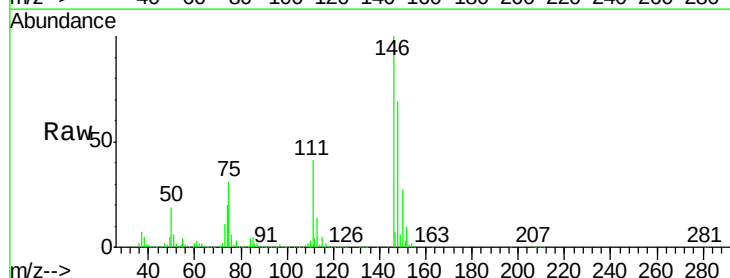
Manual Integrations  
 APPROVED

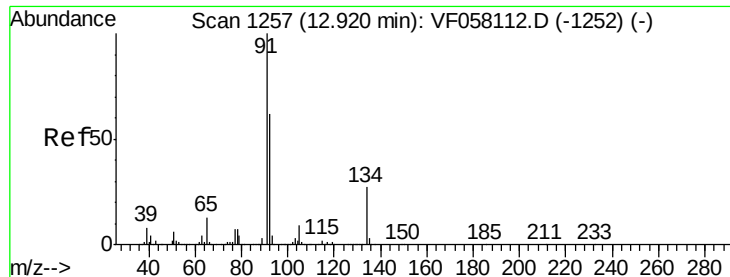
apatel  
 6/7/2018 12:37:53 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 94.228 ug/l  
 RT: 12.65 min Scan# 1229  
 Delta R.T. 0.00 min  
 Lab File: VF058114.D  
 Acq: 6 Jun 2018 18:37

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 908461 |       |       |
| 111     | 41.1  | 20.4   | 61.2  |       |
| 148     | 69.3  | 33.0   | 99.0  |       |





#89

n-Butylbenzene

Concen: 80.994 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VF058114.D

Acq: 6 Jun 2018 18:37

Instrument :

MSVOA\_F

ClientSampled :

VSTDIC100

Tgt Ion: 91 Resp: 1727698

Ion Ratio Lower Upper

91 100

92 66.6 31.1 93.5

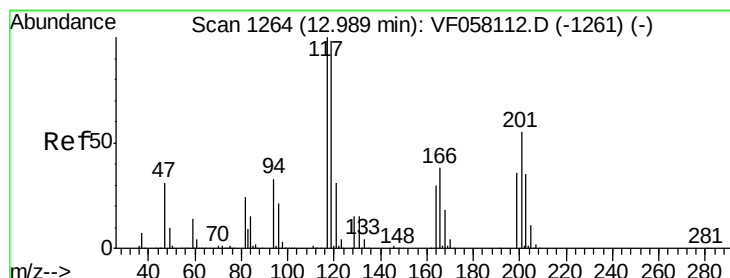
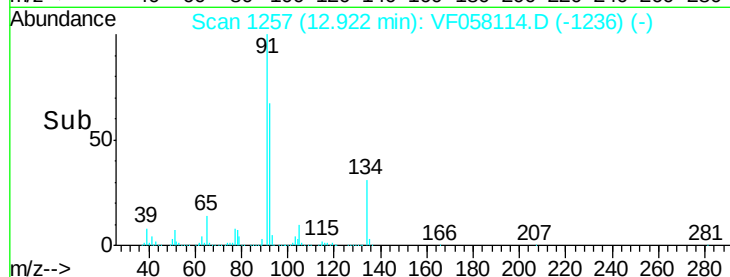
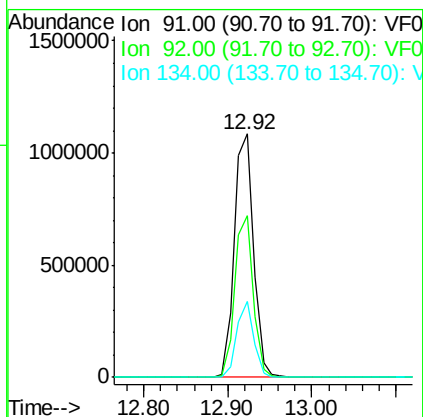
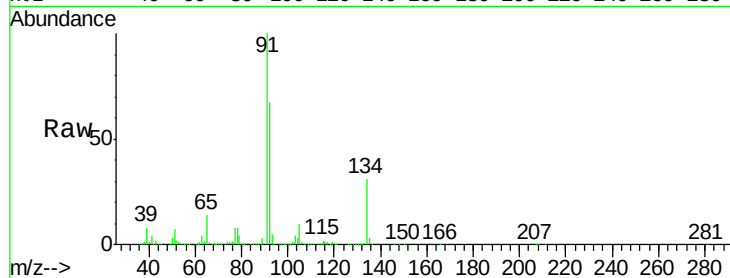
134 31.2 13.6 40.8

Manual Integrations

APPROVED

apatel

6/7/2018 12:37:53 PM



#90

Hexachloroethane

Concen: 93.815 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VF058114.D

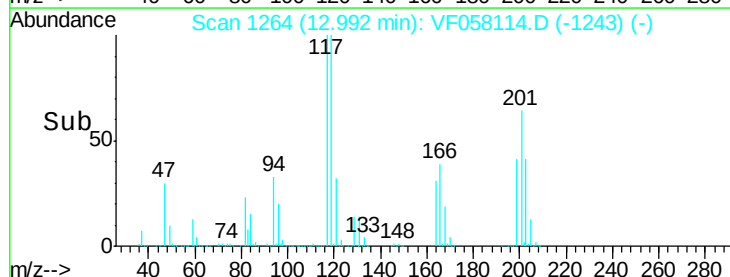
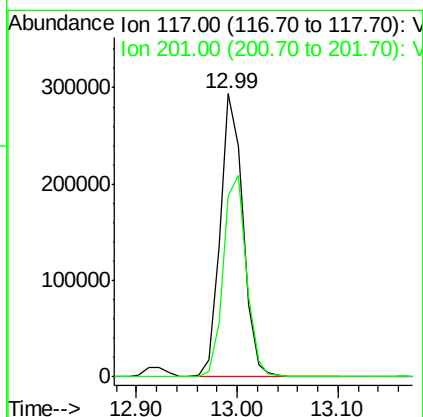
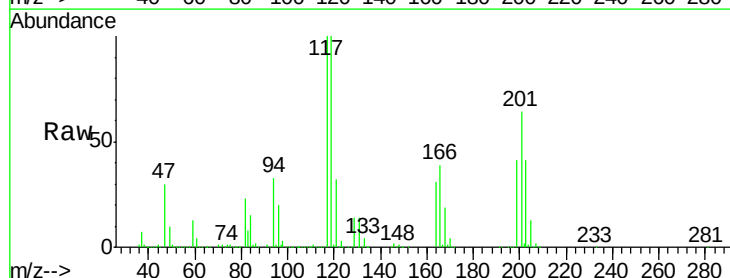
Acq: 6 Jun 2018 18:37

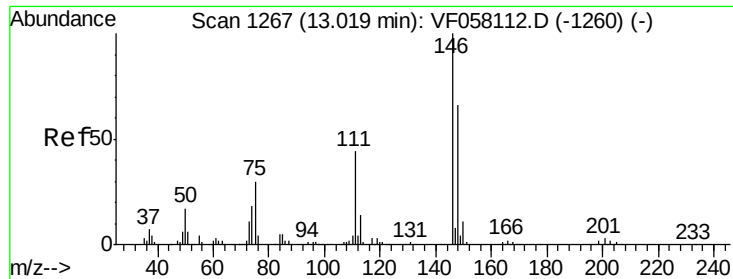
Tgt Ion: 117 Resp: 463064

Ion Ratio Lower Upper

117 100

201 63.8 27.5 82.4





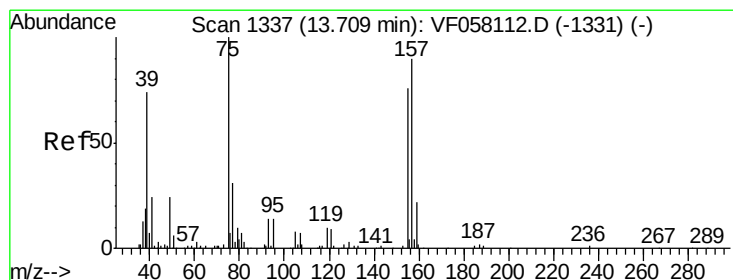
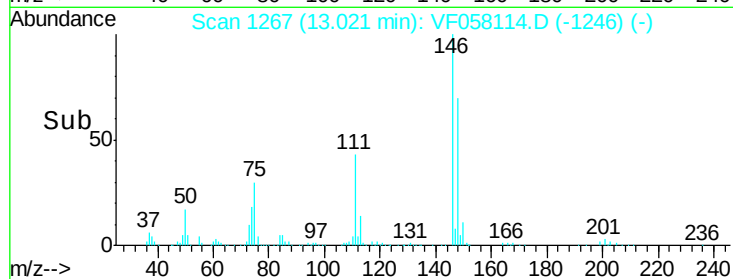
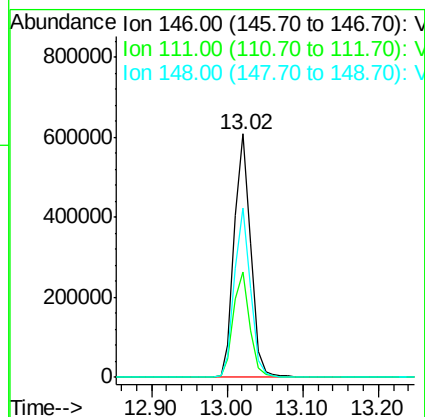
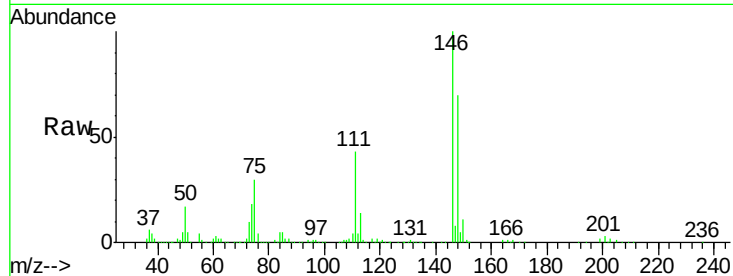
#91  
 1,2-Dichlorobenzene  
 Concen: 92.527 ug/l  
 RT: 13.02 min Scan# 1267  
 Delta R.T. 0.00 min  
 Lab File: VF058114.D  
 Acq: 6 Jun 2018 18:37

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDIC100

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 901979 |       |       |
| 111     | 43.1  | 22.0   | 66.0  |       |
| 148     | 69.5  | 33.1   | 99.3  |       |

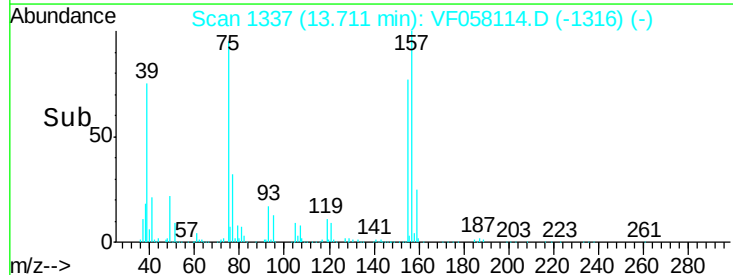
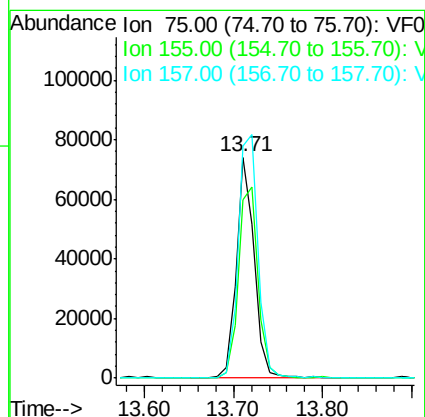
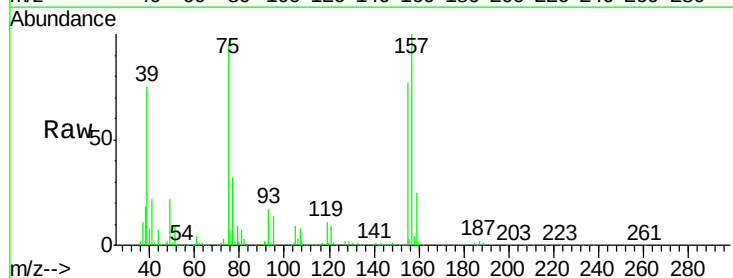
Manual Integrations  
 APPROVED

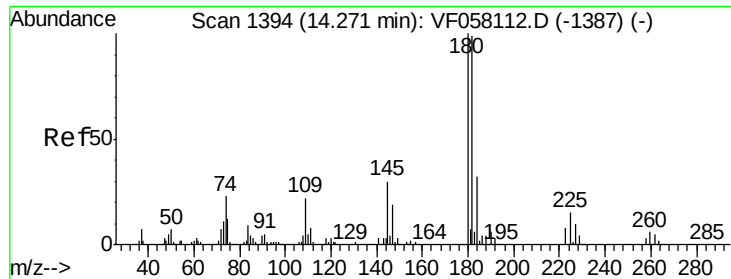
apatel  
 6/7/2018 12:37:53 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 105.776 ug/l  
 RT: 13.71 min Scan# 1337  
 Delta R.T. 0.00 min  
 Lab File: VF058114.D  
 Acq: 6 Jun 2018 18:37

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 105642 |       |       |
| 155     | 80.5  | 38.0   | 114.0 |       |
| 157     | 104.9 | 45.1   | 135.5 |       |





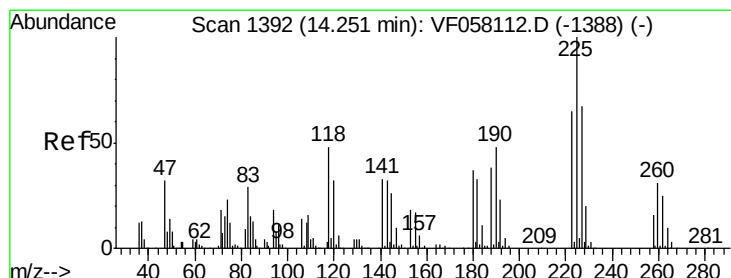
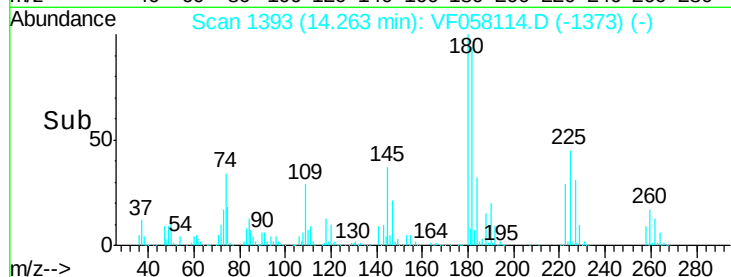
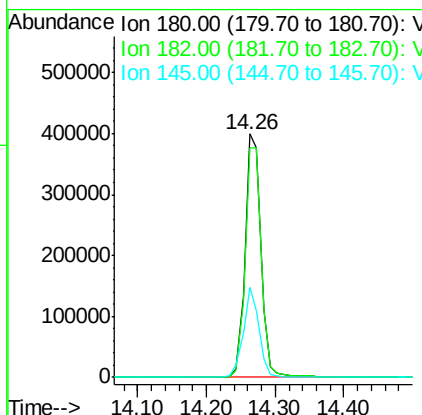
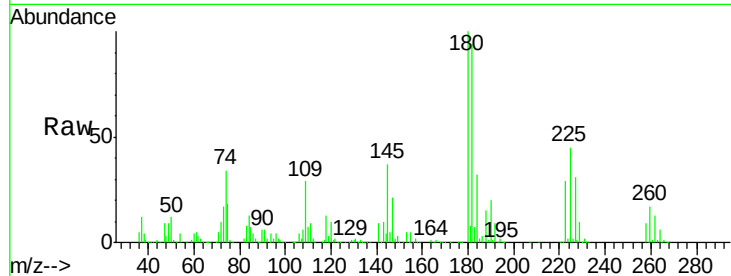
#93  
1,2,4-Trichlorobenzene  
Concen: 93.598 ug/l  
RT: 14.26 min Scan# 1393  
Delta R.T. -0.01 min  
Lab File: VF058114.D  
Acq: 6 Jun 2018 18:37

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDIC100

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 639936 |       |       |
| 182     | 94.5  | 49.3   | 147.9 |       |
| 145     | 36.9  | 14.9   | 44.9  |       |

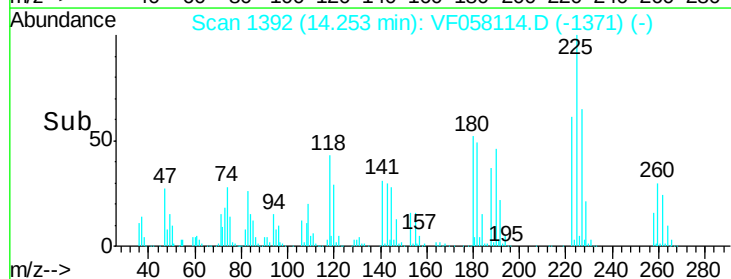
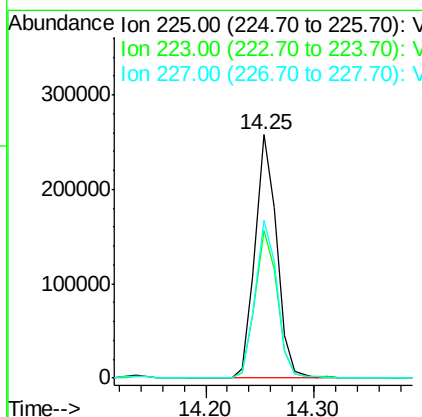
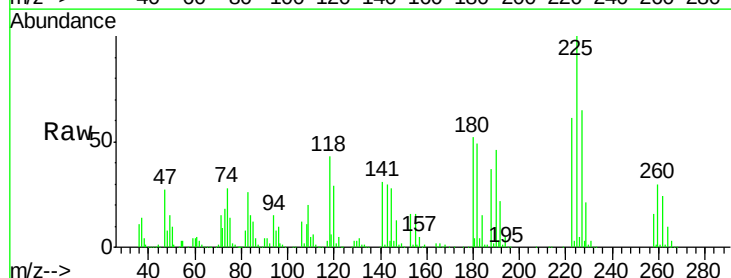
Manual Integrations  
APPROVED

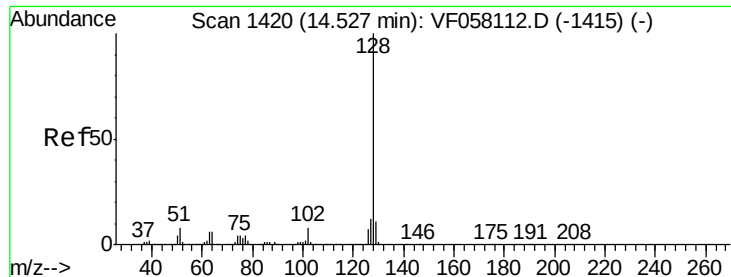
apatel  
6/7/2018 12:37:53 PM



#94  
Hexachlorobutadiene  
Concen: 91.723 ug/l  
RT: 14.25 min Scan# 1392  
Delta R.T. 0.00 min  
Lab File: VF058114.D  
Acq: 6 Jun 2018 18:37

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 362051 |       |       |
| 223     | 60.7  | 32.8   | 98.3  |       |
| 227     | 64.8  | 33.3   | 99.9  |       |





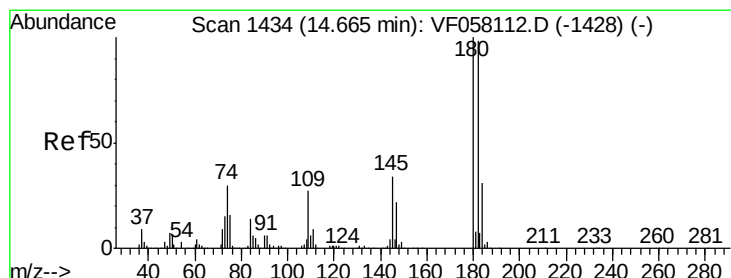
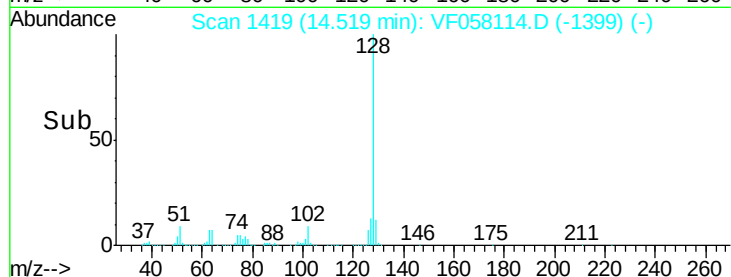
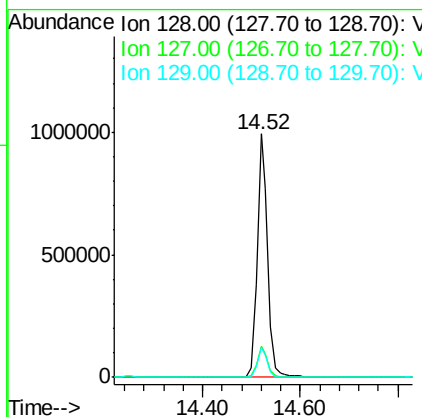
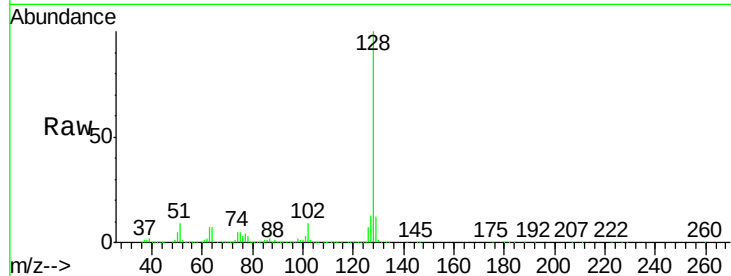
#95  
Naphthalene  
Concen: 101.171 ug/l  
RT: 14.52 min Scan# 1419  
Delta R.T. -0.01 min  
Lab File: VF058114.D  
Acq: 6 Jun 2018 18:37

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDICC100

Tgt Ion:128 Resp: 1476629  
Ion Ratio Lower Upper  
128 100  
127 12.7 9.9 14.9  
129 12.1 8.7 13.1

Manual Integrations  
APPROVED

apatel  
6/7/2018 12:37:53 PM



#96  
1,2,3-Trichlorobenzene  
Concen: 95.671 ug/l  
RT: 14.67 min Scan# 1434  
Delta R.T. 0.00 min  
Lab File: VF058114.D  
Acq: 6 Jun 2018 18:37

Tgt Ion:180 Resp: 616275  
Ion Ratio Lower Upper  
180 100  
182 98.6 48.9 146.6  
145 33.9 17.3 51.7

