

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW111218\  
 Data File : VW006804.D  
 Acq On : 12 Nov 2018 12:50  
 Operator : SY/AP  
 Sample : VSTDIC010  
 Misc : 5.00G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC010

Manual Integrations  
 APPROVED

apatel  
 11/13/2018 11:53:34 AM

Quant Time: Nov 12 14:18:46 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W111218S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Nov 12 14:08:58 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.96  | 168  | 323769   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 422477   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 408800   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 231269   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 25713    | 10.84 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 21.68% |      |
| 35) Dibromofluoromethane  | 7.89   | 113 | 26236    | 10.91 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 21.82% |      |
| 50) Toluene-d8            | 10.33  | 98  | 111923   | 11.06 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 22.12% |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 40178    | 10.90 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 21.80% |      |

## Target Compounds

|                               |      |     |        |        |      | Qvalue |
|-------------------------------|------|-----|--------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 2.00 | 85  | 30316  | 11.516 | ug/l | 100    |
| 3) Chloromethane              | 2.21 | 50  | 32288  | 10.217 | ug/l | 100    |
| 4) Vinyl Chloride             | 2.36 | 62  | 34152  | 10.279 | ug/l | 98     |
| 5) Bromomethane               | 2.78 | 94  | 25766  | 11.504 | ug/l | 96     |
| 6) Chloroethane               | 2.92 | 64  | 22550  | 10.371 | ug/l | 98     |
| 7) Trichlorofluoromethane     | 3.26 | 101 | 42855  | 10.266 | ug/l | 100    |
| 8) Diethyl Ether              | 3.69 | 74  | 12312  | 10.138 | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 4.07 | 101 | 30680  | 11.061 | ug/l | 99     |
| 10) Methyl Iodide             | 4.28 | 142 | 38565  | 10.008 | ug/l | 99     |
| 11) Tert butyl alcohol        | 5.22 | 59  | 7014m  | 44.911 | ug/l |        |
| 12) 1,1-Dichloroethene        | 4.04 | 96  | 23993  | 10.374 | ug/l | 96     |
| 13) Acrolein                  | 3.91 | 56  | 8284   | 50.930 | ug/l | 98     |
| 14) Allyl chloride            | 4.68 | 41  | 30787  | 9.874  | ug/l | 99     |
| 15) Acrylonitrile             | 5.38 | 53  | 22199  | 45.668 | ug/l | 99     |
| 16) Acetone                   | 4.15 | 43  | 16452  | 47.898 | ug/l | 96     |
| 17) Carbon Disulfide          | 4.38 | 76  | 75652  | 9.916  | ug/l | 99     |
| 18) Methyl Acetate            | 4.69 | 43  | 10567  | 8.767  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 5.43 | 73  | 55122  | 9.730  | ug/l | 98     |
| 20) Methylene Chloride        | 4.93 | 84  | 43099  | 12.979 | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 5.43 | 96  | 29096  | 10.517 | ug/l | 95     |
| 22) Diisopropyl ether         | 6.32 | 45  | 63543  | 9.671  | ug/l | 93     |
| 23) Vinyl Acetate             | 6.26 | 43  | 179711 | 47.955 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 6.22 | 63  | 43905  | 10.214 | ug/l | 99     |
| 25) 2-Butanone                | 7.18 | 43  | 28441  | 50.150 | ug/l | 97     |
| 26) 2,2-Dichloropropane       | 7.18 | 77  | 46589  | 11.376 | ug/l | 97     |
| 27) cis-1,2-Dichloroethene    | 7.18 | 96  | 30636  | 10.335 | ug/l | 97     |
| 28) Bromochloromethane        | 7.52 | 49  | 15445  | 9.593  | ug/l | 99     |
| 29) Tetrahydrofuran           | 7.54 | 42  | 17644  | 47.468 | ug/l | 96     |
| 30) Chloroform                | 7.68 | 83  | 47309  | 9.933  | ug/l | 99     |
| 31) Cyclohexane               | 7.96 | 56  | 47350  | 10.696 | ug/l | # 91   |
| 32) 1,1,1-Trichloroethane     | 7.88 | 97  | 48279  | 10.681 | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 8.09 | 75  | 40004  | 10.435 | ug/l | 99     |
| 37) Ethyl Acetate             | 7.26 | 43  | 12226  | 8.980  | ug/l | 97     |
| 38) Carbon Tetrachloride      | 8.07 | 117 | 43962  | 10.733 | ug/l | 98     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW111218\  
 Data File : VW006804.D  
 Acq On : 12 Nov 2018 12:50  
 Operator : SY/AP  
 Sample : VSTDIC010  
 Misc : 5.00G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleID :  
 VSTDIC010

Manual Integrations  
 APPROVED

apatel  
 11/13/2018 11:53:34 AM

Quant Time: Nov 12 14:18:46 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W111218S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Nov 12 14:08:58 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 50105    | 10.265  | ug/l   | 97       |
| 40) Benzene                    | 8.33  | 78   | 109055   | 10.074  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.49  | 41   | 7383     | 9.347   | ug/l   | 94       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 29881    | 10.141  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.43  | 43   | 23243    | 9.107   | ug/l   | 99       |
| 44) Trichloroethene            | 9.10  | 130  | 34532    | 10.375  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 25005    | 9.835   | ug/l   | 98       |
| 46) Dibromomethane             | 9.46  | 93   | 14041    | 9.837   | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.65  | 83   | 34937    | 10.087  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.44  | 41   | 11982    | 9.968   | ug/l   | 93       |
| 49) 1,4-Dioxane                | 9.48  | 88   | 4373     | 204.634 | ug/l # | 99       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 59334    | 45.250  | ug/l   | 98       |
| 52) Toluene                    | 10.39 | 92   | 76383    | 10.036  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.61 | 75   | 32518    | 9.682   | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 10.08 | 75   | 39442    | 9.905   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 20787    | 9.885   | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 20800    | 8.958   | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 32039    | 9.531   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.93  | 63   | 53066    | 45.888  | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.97 | 43   | 41022    | 46.162  | ug/l   | 98       |
| 60) Dibromochloromethane       | 11.13 | 129  | 24377    | 9.644   | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 19360    | 9.569   | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.87 | 164  | 33084    | 10.598  | ug/l   | 97       |
| 65) Chlorobenzene              | 11.66 | 112  | 90566    | 10.408  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.74 | 131  | 28198    | 10.116  | ug/l   | 100      |
| 67) Ethyl Benzene              | 11.74 | 91   | 150941   | 10.311  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.85 | 106  | 123404   | 20.668  | ug/l   | 100      |
| 69) o-Xylene                   | 12.17 | 106  | 56229    | 10.229  | ug/l   | 98       |
| 70) Styrene                    | 12.19 | 104  | 89870    | 10.058  | ug/l   | 99       |
| 71) Bromoform                  | 12.35 | 173  | 14423    | 9.341   | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.47 | 105  | 155574   | 10.455  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.27 | 43   | 22065    | 9.098   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.72 | 83   | 21158    | 9.544   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 16578m   | 9.830   | ug/l   |          |
| 77) Bromobenzene               | 12.75 | 156  | 39471    | 10.259  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.81 | 91   | 182037   | 10.296  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.90 | 91   | 104931   | 10.535  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.95 | 105  | 134931   | 10.466  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.52 | 75   | 5917     | 9.328   | ug/l   | 94       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 111257   | 10.452  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 13.21 | 119  | 117932   | 10.586  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.26 | 105  | 137373   | 10.400  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.39 | 105  | 168627   | 10.576  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.51 | 119  | 153316   | 10.542  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.51 | 146  | 81862    | 10.473  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 82251    | 10.565  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.83 | 91   | 140473   | 10.465  | ug/l   | 99       |
| 90) Hexachloroethane           | 14.10 | 117  | 23728    | 10.400  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 13.88 | 146  | 72589    | 10.615  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 3191     | 8.914   | ug/l   | 97       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW111218\  
Data File : VW006804.D  
Acq On : 12 Nov 2018 12:50  
Operator : SY/AP  
Sample : VSTDICC010  
Misc : 5.00G/5ML/MSVOA\_W/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICC010

Manual Integrations  
APPROVED

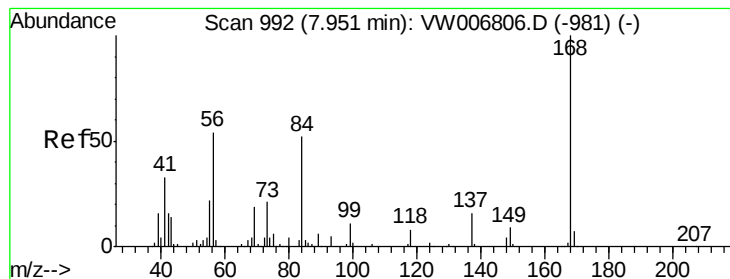
apatel  
11/13/2018 11:53:34 AM

Quant Time: Nov 12 14:18:46 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W111218S.M  
Quant Title : SW846 8260  
QLast Update : Mon Nov 12 14:08:58 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.14 | 180  | 52270    | 10.326 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 35206    | 11.051 | ug/l  | 98       |
| 95) Naphthalene            | 15.38 | 128  | 71667    | 9.253  | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.57 | 180  | 44609    | 10.187 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW006804.D

Acq: 12 Nov 2018 12:50

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC010

Tgt Ion: 168 Resp: 323769

Ion Ratio Lower Upper

168 100

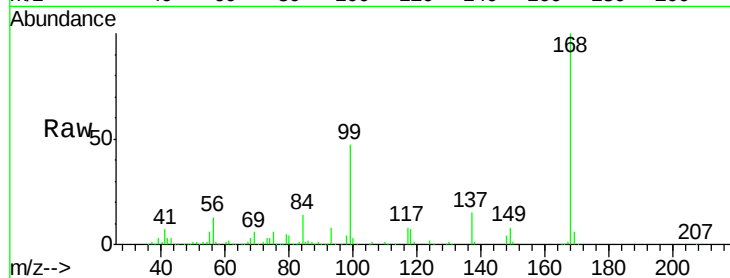
99 46.8 37.3 55.9

Manual Integrations

APPROVED

apatel

11/13/2018 11:53:34 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

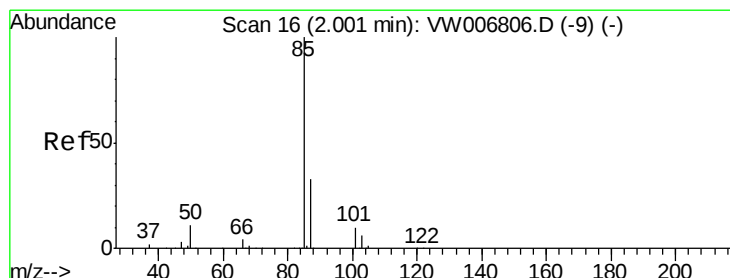
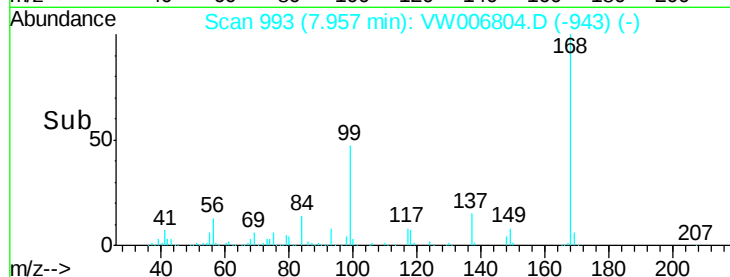
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 11.516 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW006804.D

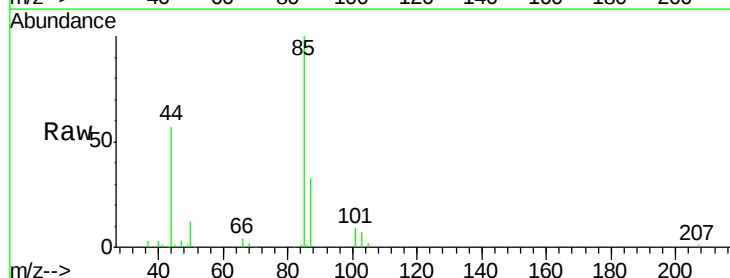
Acq: 12 Nov 2018 12:50

Tgt Ion: 85 Resp: 30316

Ion Ratio Lower Upper

85 100

87 33.0 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

25000

20000

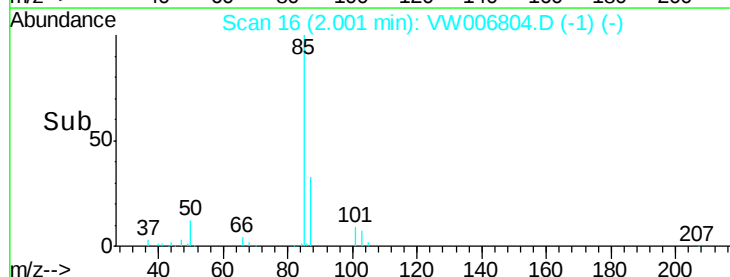
15000

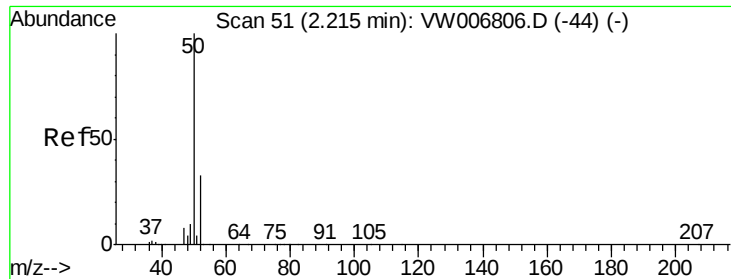
10000

5000

0

Time--> 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 10.217 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW006804.D

Acq: 12 Nov 2018 12:50

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC010

Tgt Ion: 50 Resp: 32288

Ion Ratio Lower Upper

50 100

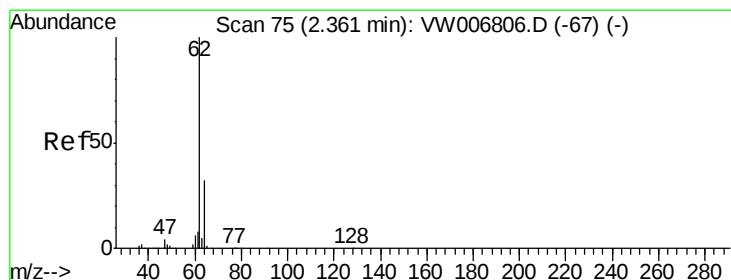
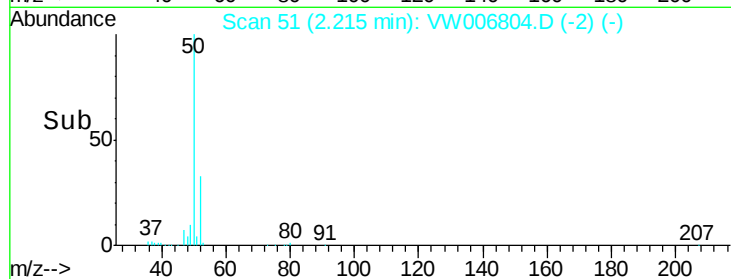
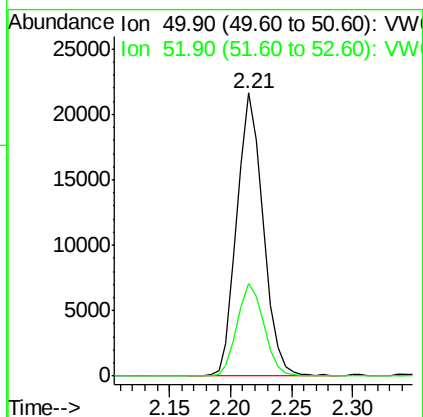
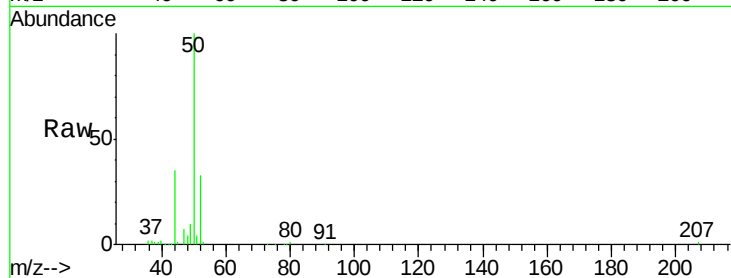
52 33.0 26.2 39.4

Manual Integrations

APPROVED

apatel

11/13/2018 11:53:34 AM



#4

Vinyl Chloride

Concen: 10.279 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW006804.D

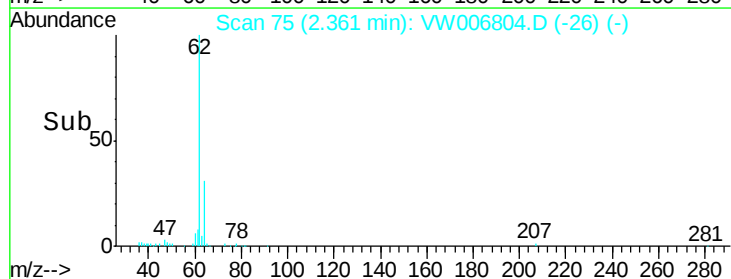
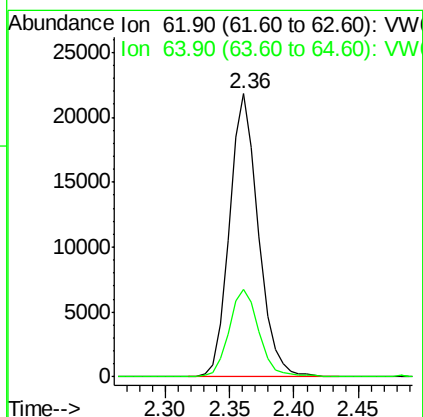
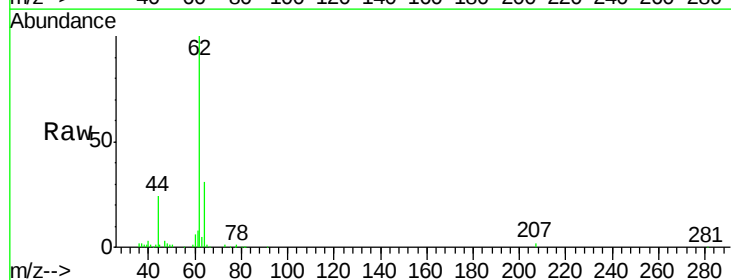
Acq: 12 Nov 2018 12:50

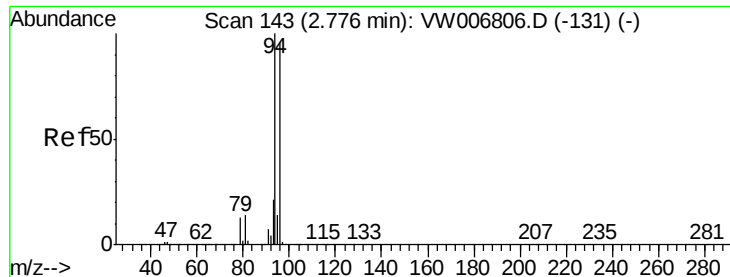
Tgt Ion: 62 Resp: 34152

Ion Ratio Lower Upper

62 100

64 31.0 25.6 38.4





#5

Bromomethane

Concen: 11.504 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW006804.D

Acq: 12 Nov 2018 12:50

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC010

Tgt Ion: 94 Resp: 25766

Ion Ratio Lower Upper

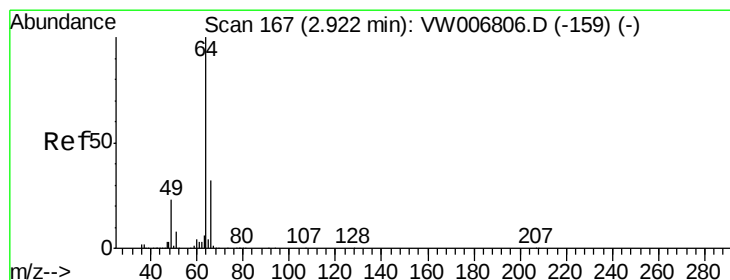
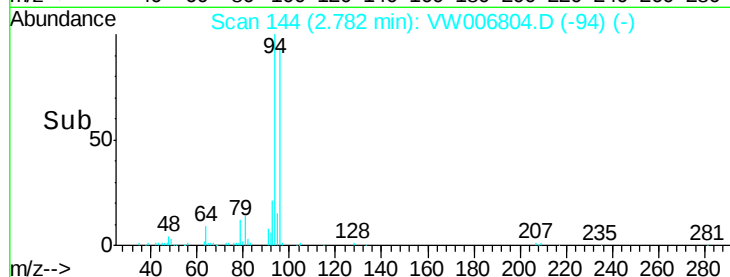
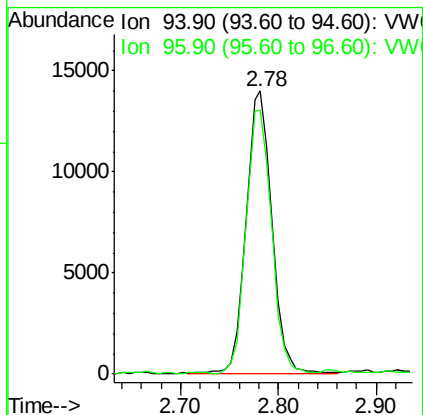
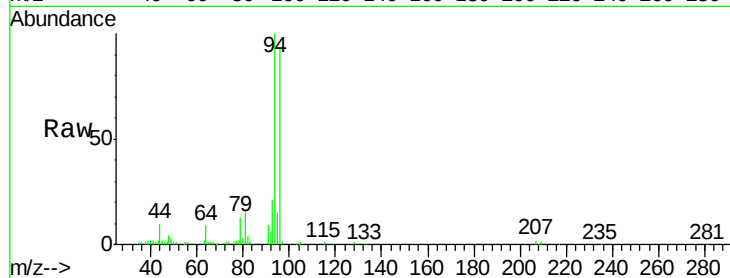
94 100

96 92.5 76.8 115.2

Manual Integrations  
APPROVED

apatel

11/13/2018 11:53:34 AM



#6

Chloroethane

Concen: 10.371 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW006804.D

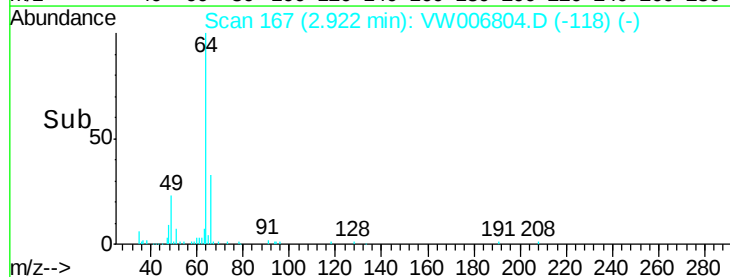
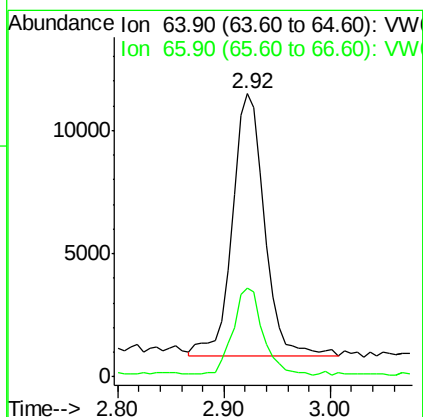
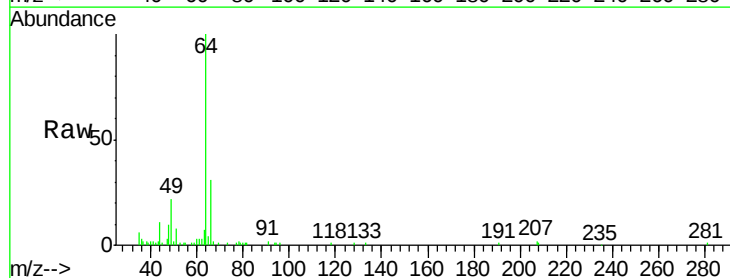
Acq: 12 Nov 2018 12:50

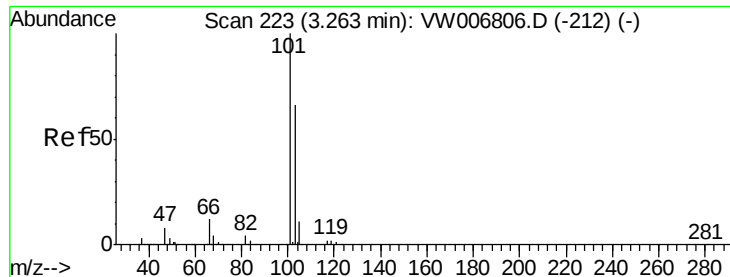
Tgt Ion: 64 Resp: 22550

Ion Ratio Lower Upper

64 100

66 32.8 25.5 38.3





#7

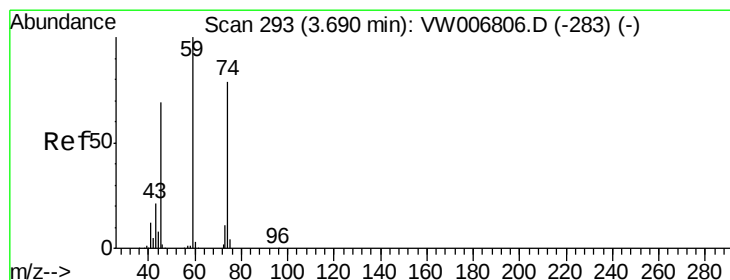
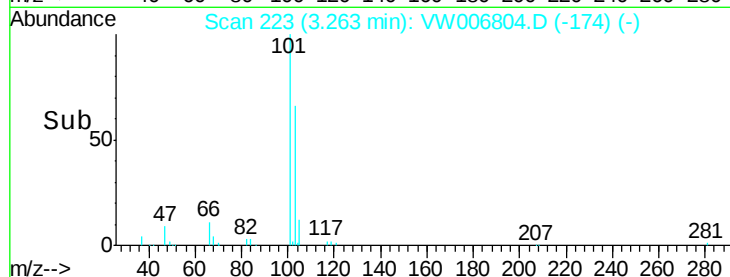
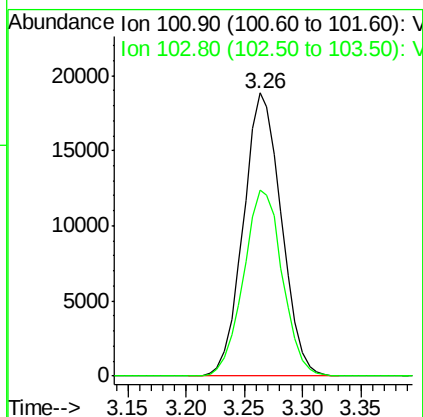
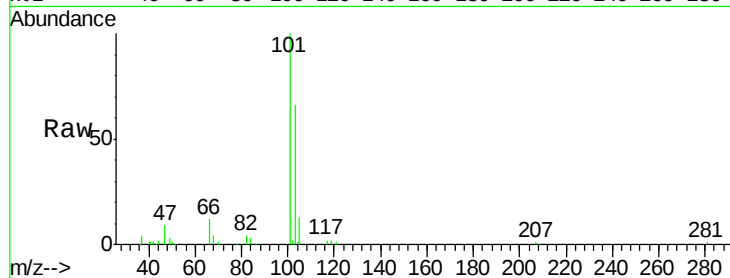
Trichlorofluoromethane  
 Concen: 10.266 ug/l  
 RT: 3.26 min Scan# 223  
 Delta R.T. -0.00 min  
 Lab File: VW006804.D  
 Acq: 12 Nov 2018 12:50

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC010

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 65.6  | 52.6  | 79.0  |

Manual Integrations  
 APPROVED

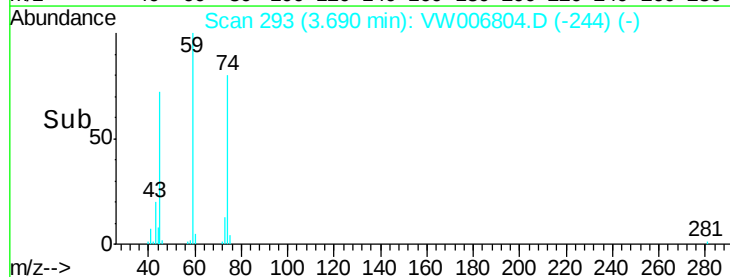
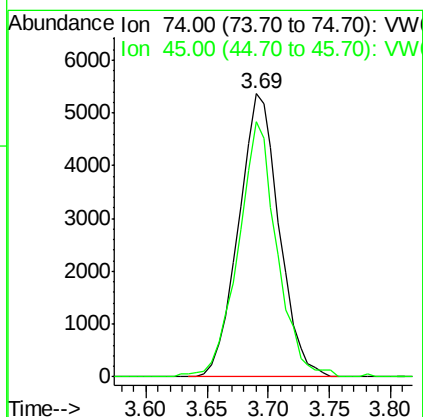
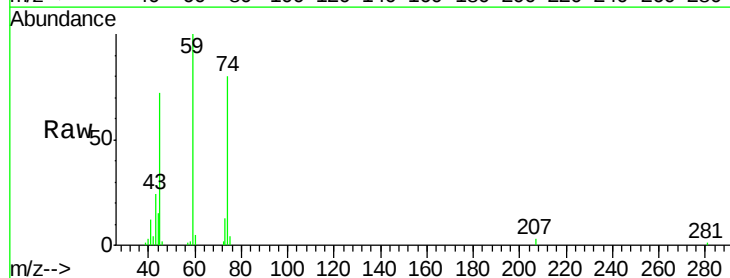
apatel  
 11/13/2018 11:53:34 AM

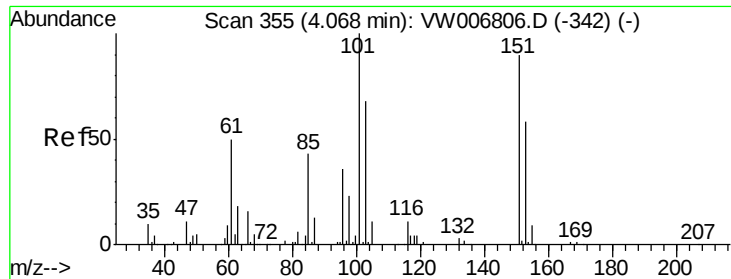


#8

Diethyl Ether  
 Concen: 10.138 ug/l  
 RT: 3.69 min Scan# 293  
 Delta R.T. -0.00 min  
 Lab File: VW006804.D  
 Acq: 12 Nov 2018 12:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 86.1  | 43.1  | 129.4 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.061 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW006804.D

Acq: 12 Nov 2018 12:50

Instrument :

MSVOA\_W

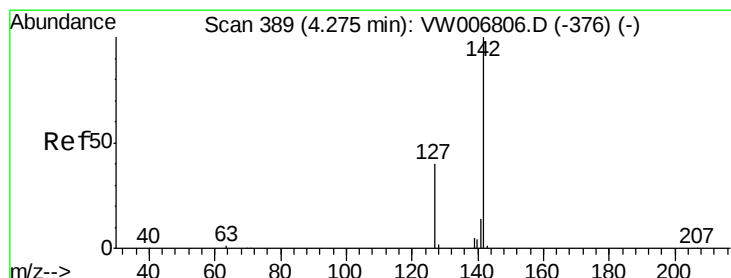
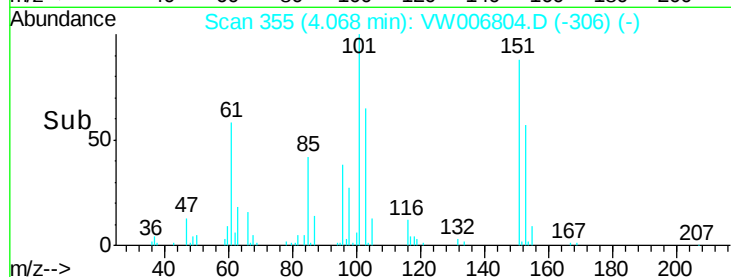
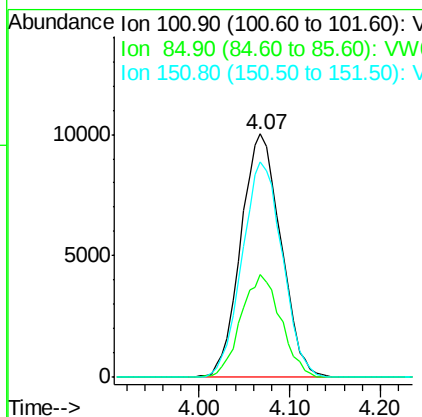
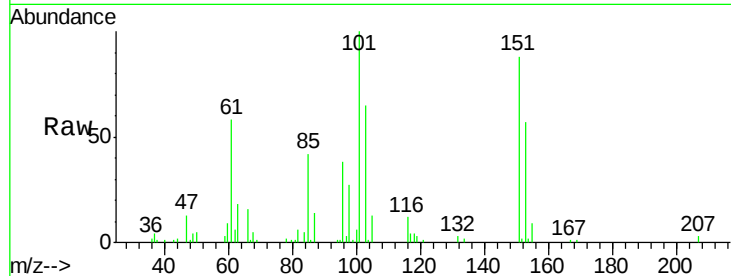
ClientSampleId :

VSTDIC010

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 101   | Resp: | 30680 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 41.7  | 33.8  | 50.8  |
| 151       | 88.8  | 71.4  | 107.0 |

Manual Integrations  
APPROVED

apatel  
11/13/2018 11:53:34 AM



#10

Methyl Iodide

Concen: 10.008 ug/l

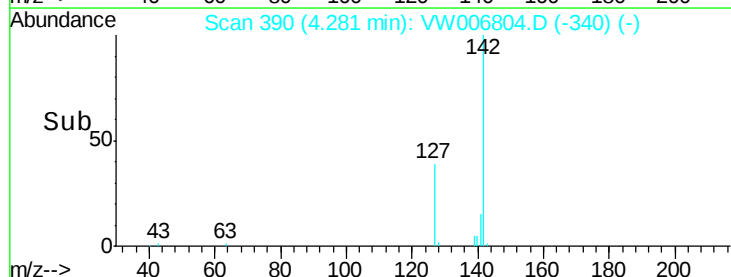
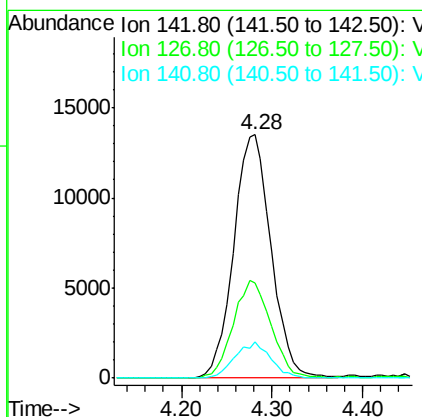
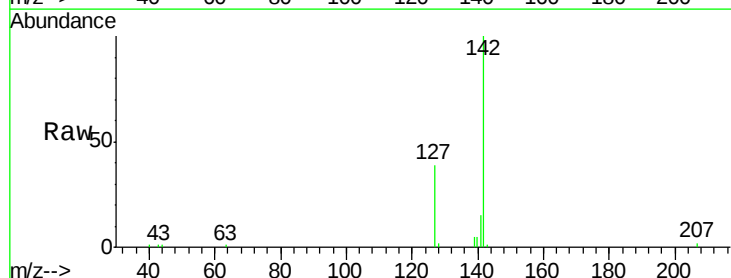
RT: 4.28 min Scan# 390

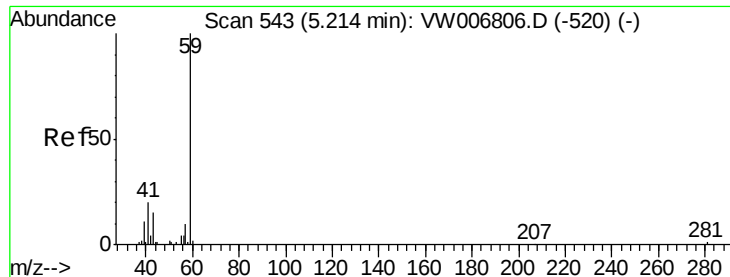
Delta R.T. 0.01 min

Lab File: VW006804.D

Acq: 12 Nov 2018 12:50

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 38565 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 40.4  | 31.8  | 47.8  |
| 141       | 14.1  | 11.5  | 17.3  |





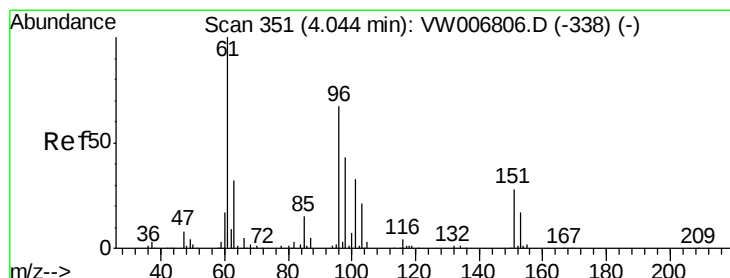
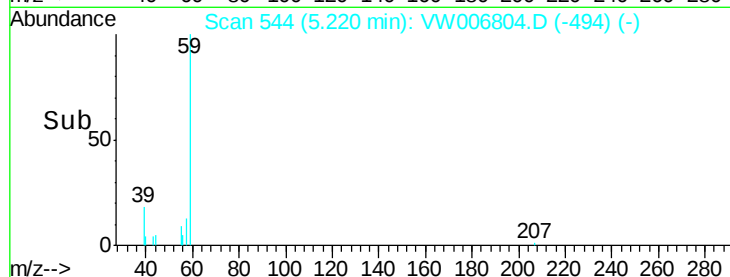
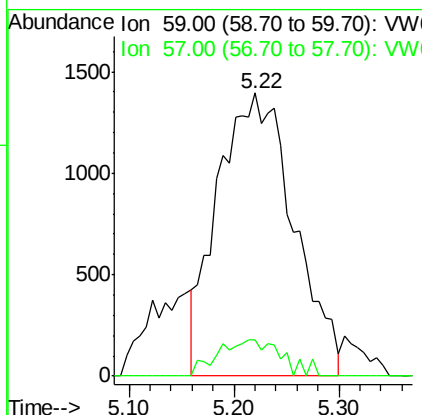
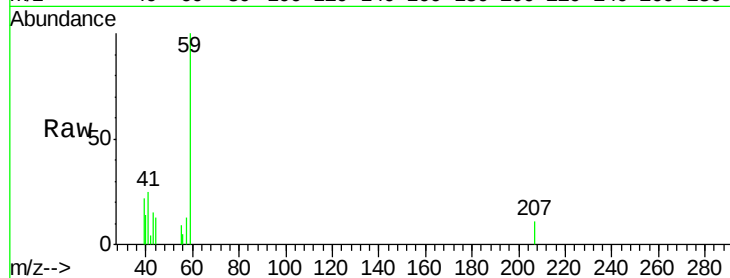
#11  
Tert butyl alcohol  
Concen: 44.911 ug/l m  
RT: 5.22 min Scan# 544  
Delta R.T. 0.01 min  
Lab File: VW006804.D  
Acq: 12 Nov 2018 12:50

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC010

Tgt Ion: 59 Resp: 7014  
Ion Ratio Lower Upper  
59 100  
57 9.9 8.3 12.5

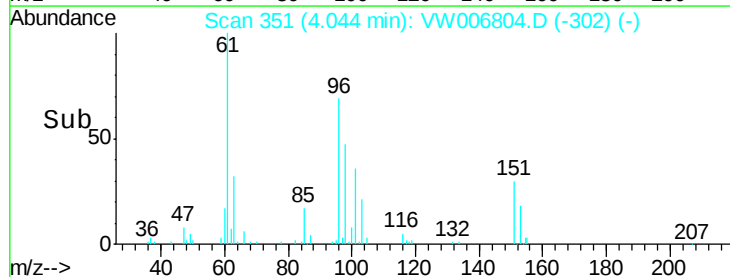
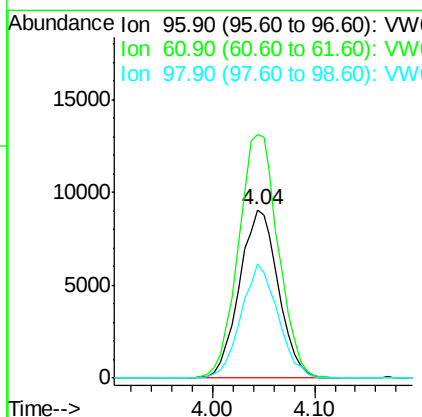
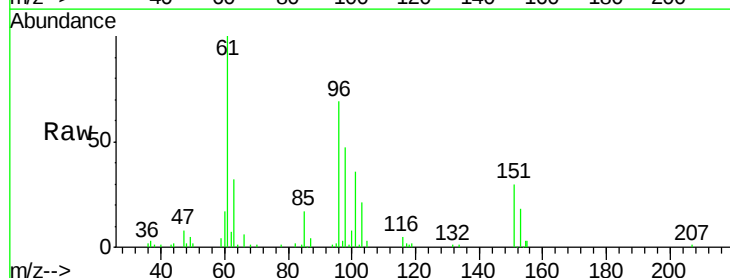
Manual Integrations  
APPROVED

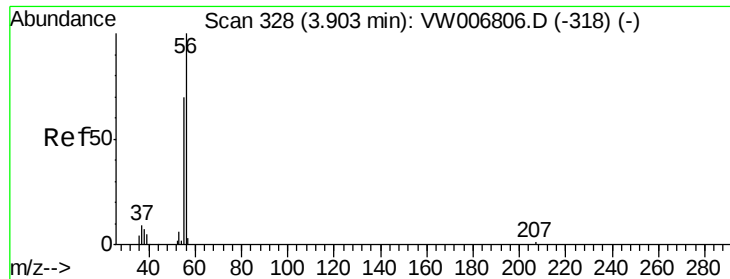
apatel  
11/13/2018 11:53:34 AM



#12  
1,1-Dichloroethene  
Concen: 10.374 ug/l  
RT: 4.04 min Scan# 351  
Delta R.T. -0.00 min  
Lab File: VW006804.D  
Acq: 12 Nov 2018 12:50

Tgt Ion: 96 Resp: 23993  
Ion Ratio Lower Upper  
96 100  
61 144.8 119.8 179.6  
98 68.0 51.5 77.3





#13

Acrolein

Concen: 50.930 ug/l

RT: 3.91 min Scan# 329

Delta R.T. 0.01 min

Lab File: VW006804.D

Acq: 12 Nov 2018 12:50

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC010

Tgt Ion: 56 Resp: 8284

Ion Ratio Lower Upper

56 100

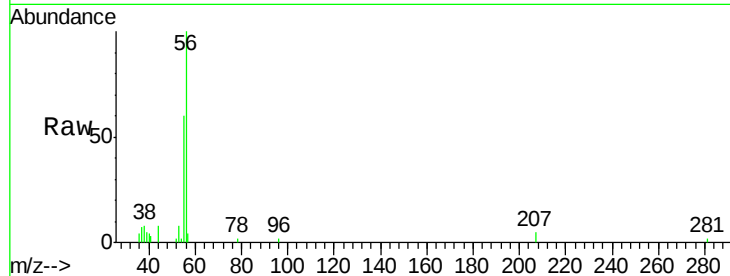
55 68.4 56.1 84.1

Manual Integrations

APPROVED

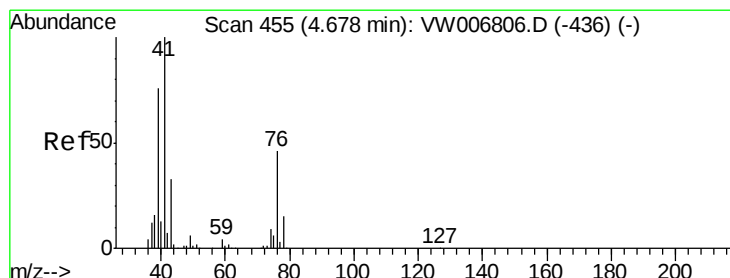
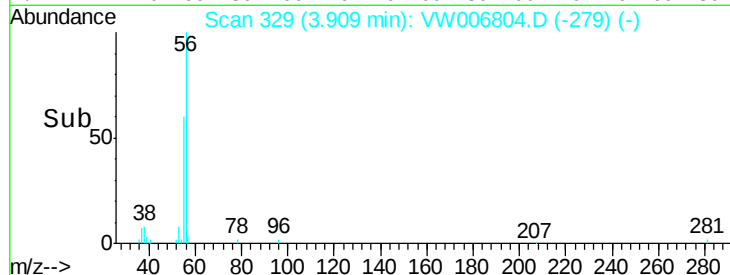
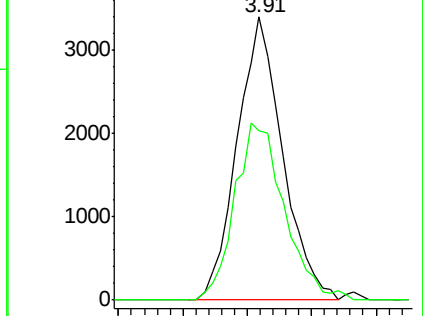
apatel

11/13/2018 11:53:34 AM



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 9.874 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW006804.D

Acq: 12 Nov 2018 12:50

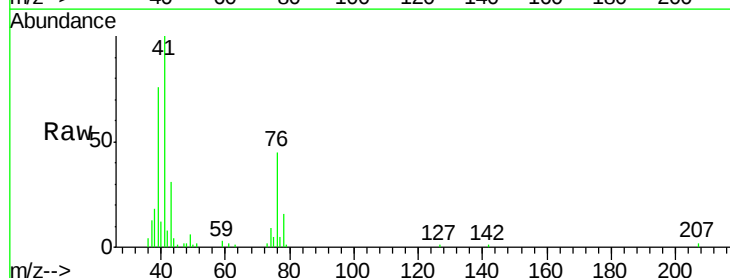
Tgt Ion: 41 Resp: 30787

Ion Ratio Lower Upper

41 100

39 75.2 58.9 88.3

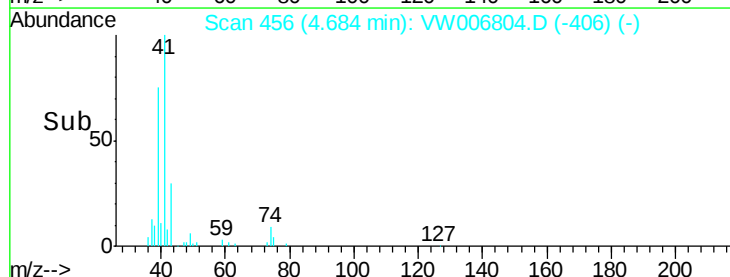
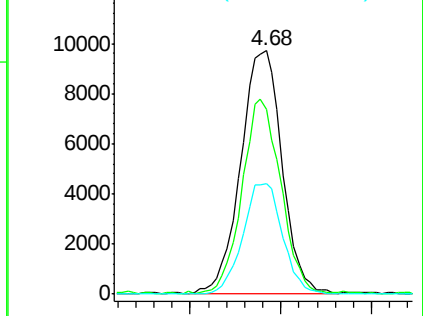
76 43.5 34.4 51.6

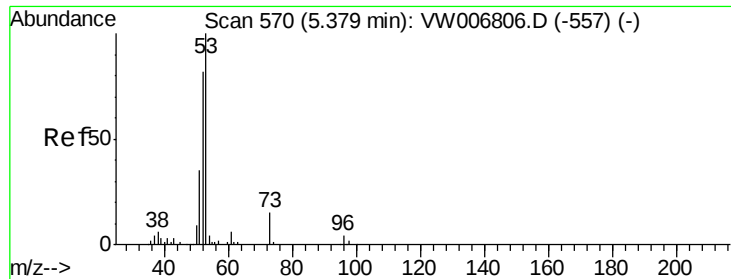


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 45.668 ug/l

RT: 5.38 min Scan# 571

Delta R.T. 0.01 min

Lab File: VW006804.D

Acq: 12 Nov 2018 12:50

Instrument :

MSVOA\_W

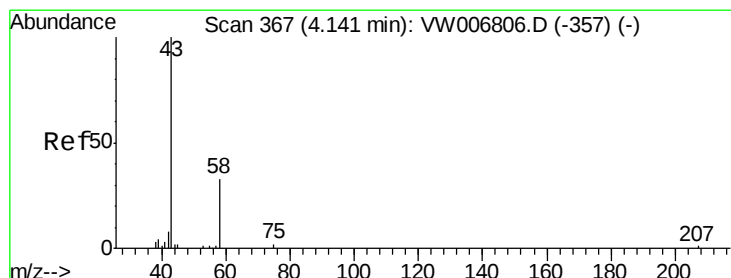
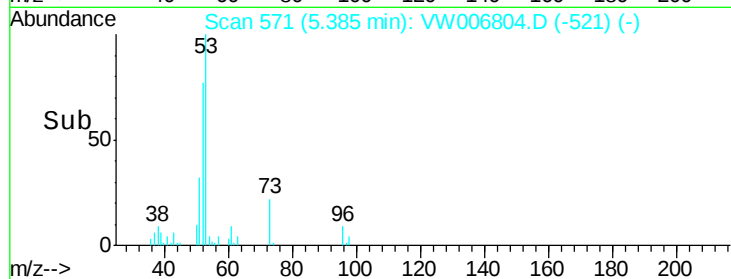
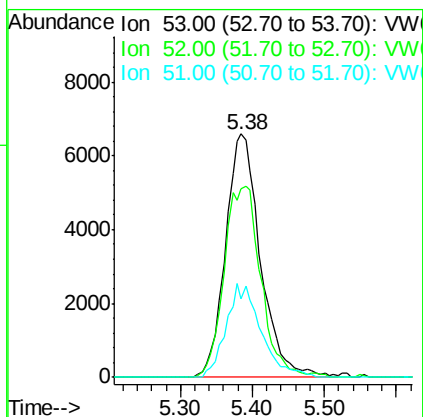
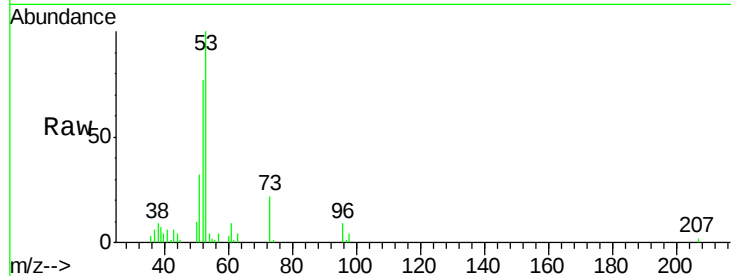
ClientSampleId :

VSTDIC010

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 22199 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 82.1  | 65.2  | 97.8  |
| 51       | 38.4  | 30.0  | 45.0  |

Manual Integrations  
APPROVED

apatel  
11/13/2018 11:53:34 AM



#16

Acetone

Concen: 47.898 ug/l

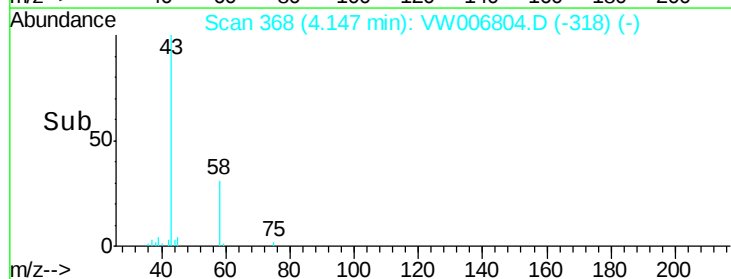
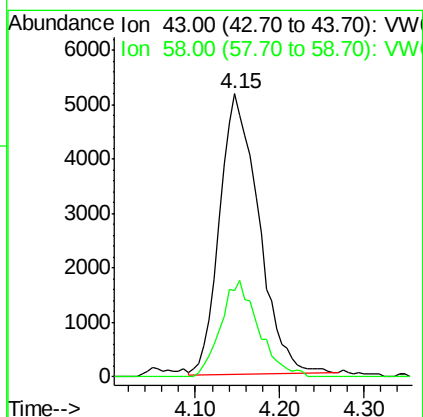
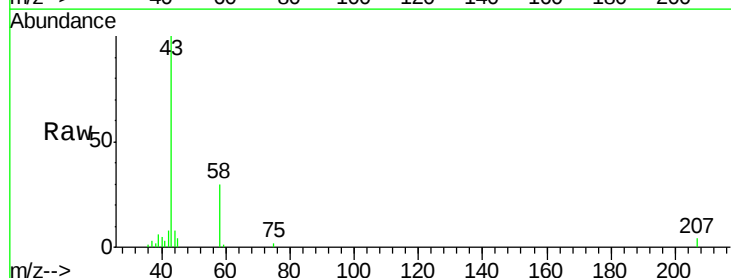
RT: 4.15 min Scan# 368

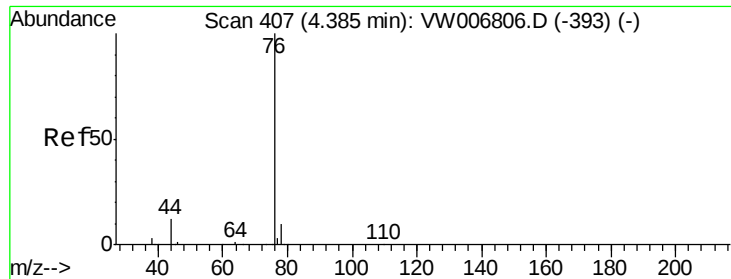
Delta R.T. 0.01 min

Lab File: VW006804.D

Acq: 12 Nov 2018 12:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 16452 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 30.9  | 26.5  | 39.7  |





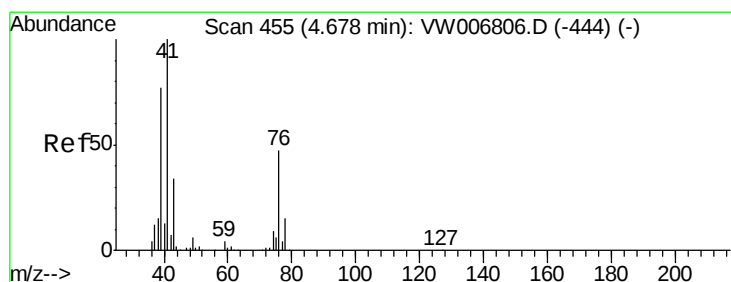
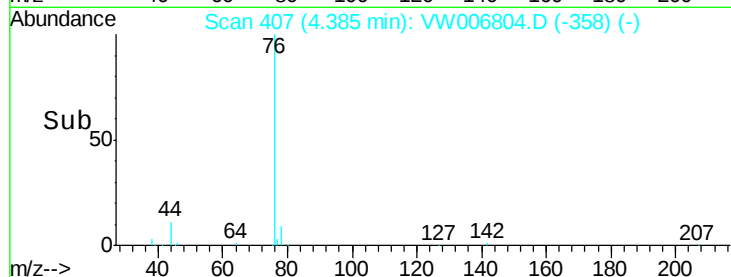
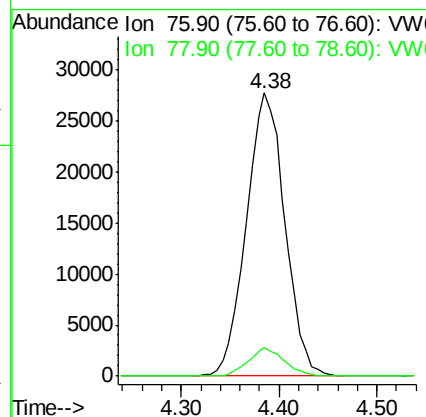
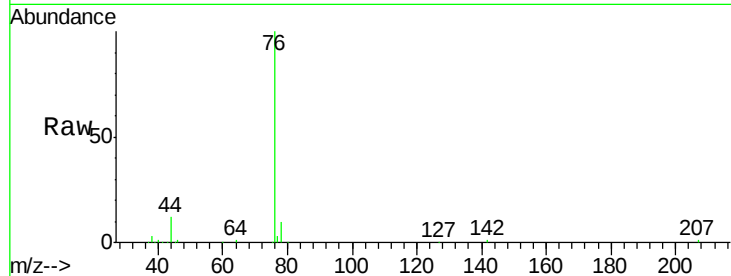
#17  
Carbon Disulfide  
Concen: 9.916 ug/l  
RT: 4.38 min Scan# 407  
Delta R.T. -0.00 min  
Lab File: VW006804.D  
Acq: 12 Nov 2018 12:50

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC010

Tgt Ion: 76 Resp: 75652  
Ion Ratio Lower Upper  
76 100  
78 9.9 7.6 11.4

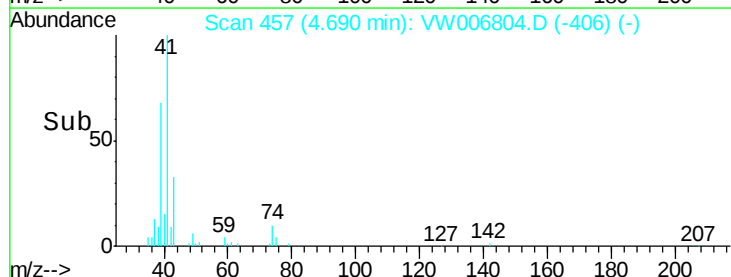
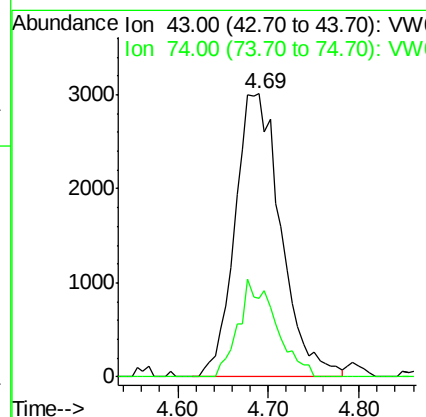
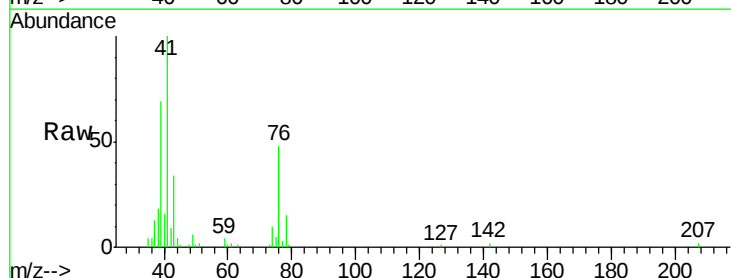
Manual Integrations  
APPROVED

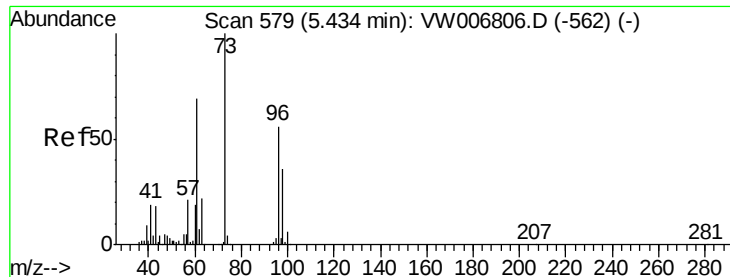
apatel  
11/13/2018 11:53:34 AM



#18  
Methyl Acetate  
Concen: 8.767 ug/l  
RT: 4.69 min Scan# 457  
Delta R.T. 0.01 min  
Lab File: VW006804.D  
Acq: 12 Nov 2018 12:50

Tgt Ion: 43 Resp: 10567  
Ion Ratio Lower Upper  
43 100  
74 28.1 21.9 32.9





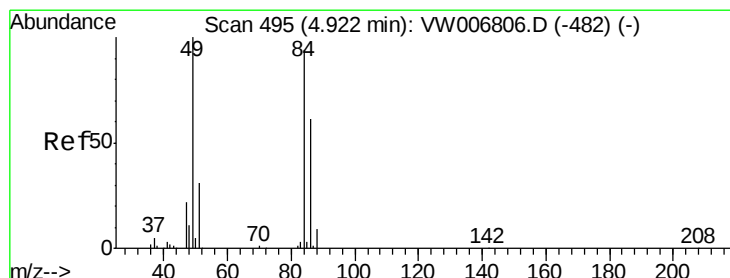
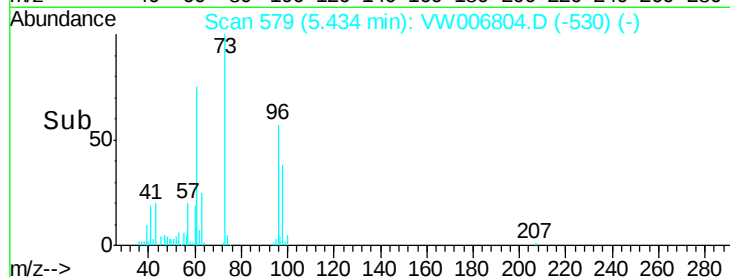
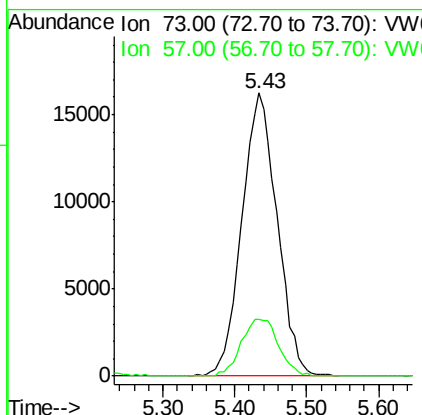
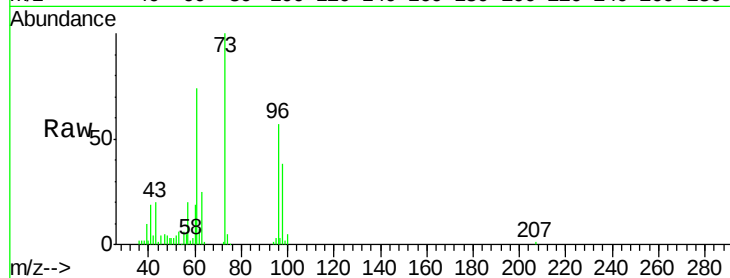
#19  
Methyl tert-butyl Ether  
Concen: 9.730 ug/l  
RT: 5.43 min Scan# 579  
Delta R.T. -0.00 min  
Lab File: VW006804.D  
Acq: 12 Nov 2018 12:50

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC010

Tgt Ion: 73 Resp: 55122  
Ion Ratio Lower Upper  
73 100  
57 19.9 16.8 25.2

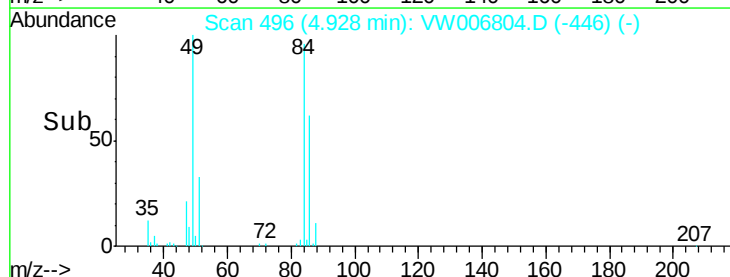
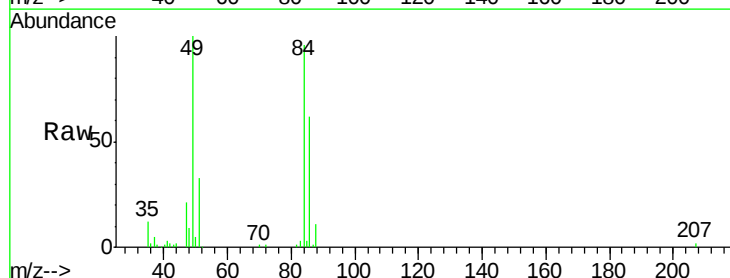
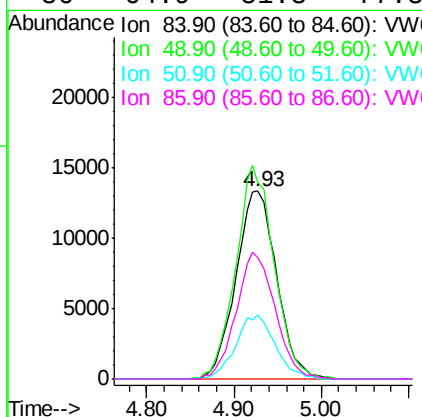
Manual Integrations  
APPROVED

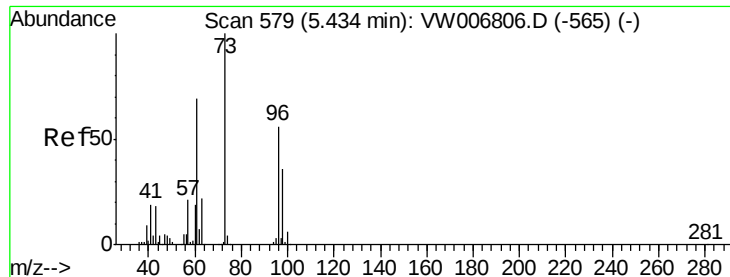
apatel  
11/13/2018 11:53:34 AM



#20  
Methylene Chloride  
Concen: 12.979 ug/l  
RT: 4.93 min Scan# 496  
Delta R.T. 0.01 min  
Lab File: VW006804.D  
Acq: 12 Nov 2018 12:50

Tgt Ion: 84 Resp: 43099  
Ion Ratio Lower Upper  
84 100  
49 104.6 84.8 127.2  
51 34.2 26.2 39.4  
86 64.9 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 10.517 ug/l

RT: 5.43 min Scan# 579

Delta R.T. -0.00 min

Lab File: VW006804.D

Acq: 12 Nov 2018 12:50

Instrument :

MSVOA\_W

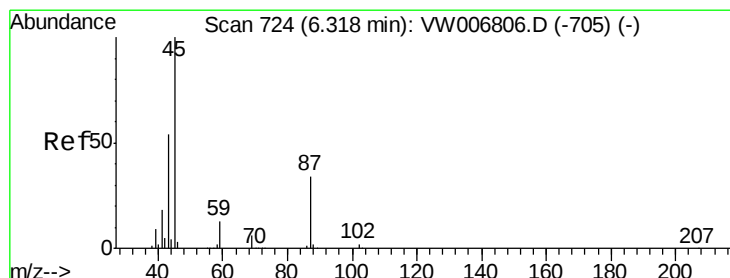
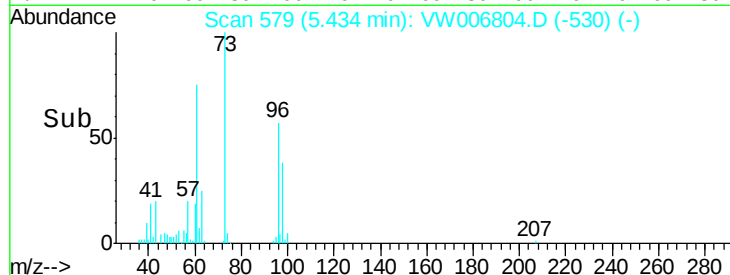
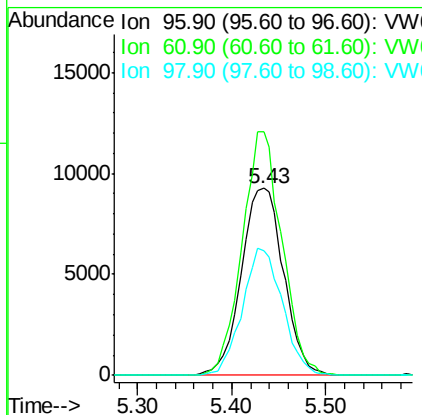
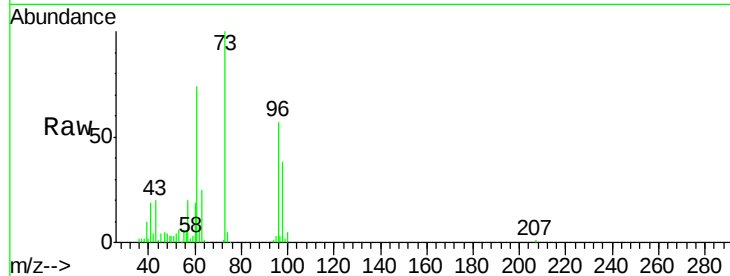
ClientSampleId :

VSTDIC010

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 29096 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 130.1 | 98.7  | 148.1 |
| 98       | 66.4  | 51.2  | 76.8  |

Manual Integrations  
APPROVED

apatel  
11/13/2018 11:53:34 AM



#22

Diisopropyl ether

Concen: 9.671 ug/l

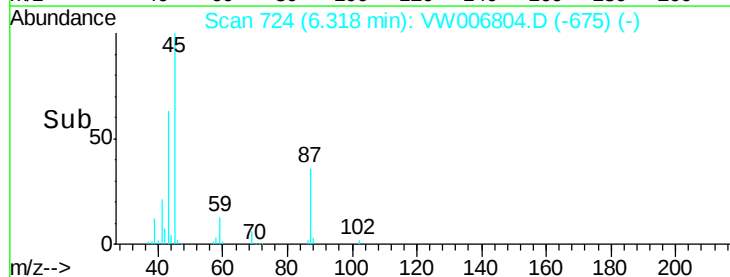
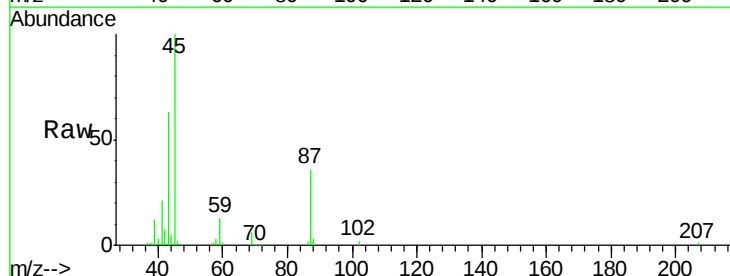
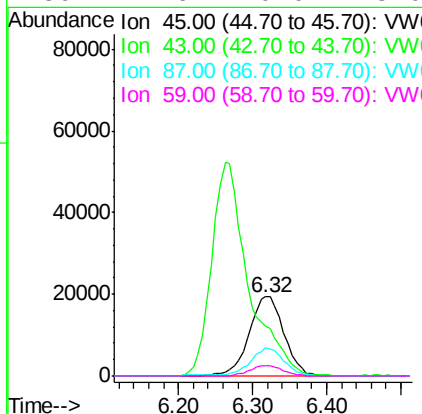
RT: 6.32 min Scan# 724

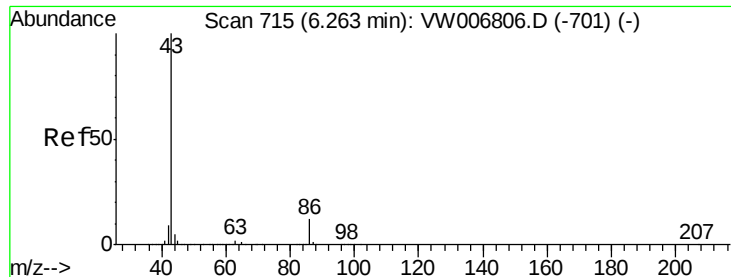
Delta R.T. -0.00 min

Lab File: VW006804.D

Acq: 12 Nov 2018 12:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 63543 |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 43       | 62.2  | 43.7  | 65.5  |
| 87       | 36.4  | 27.2  | 40.8  |
| 59       | 12.6  | 10.0  | 15.0  |





#23

Vinyl Acetate

Concen: 47.955 ug/l

RT: 6.26 min Scan# 715

Delta R.T. -0.00 min

Lab File: VW006804.D

Acq: 12 Nov 2018 12:50

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 179711

Ion Ratio Lower Upper

43 100

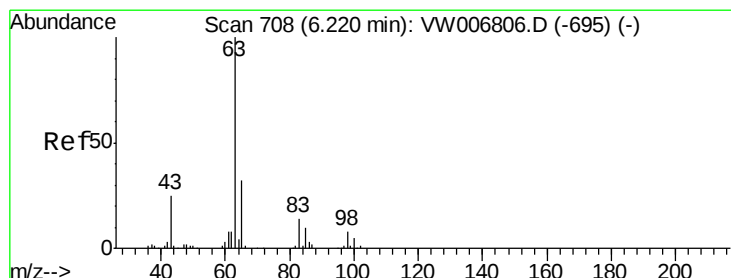
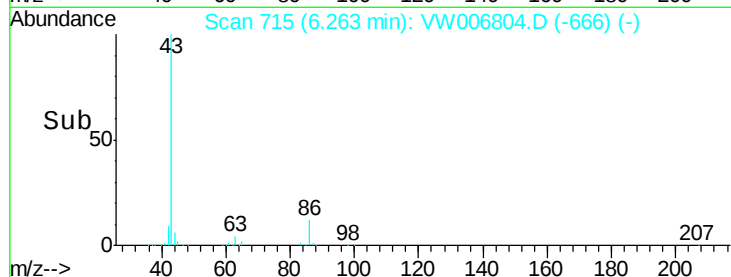
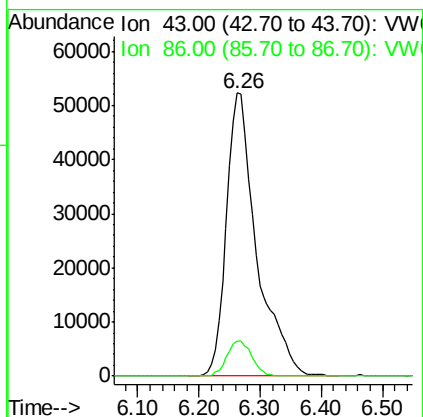
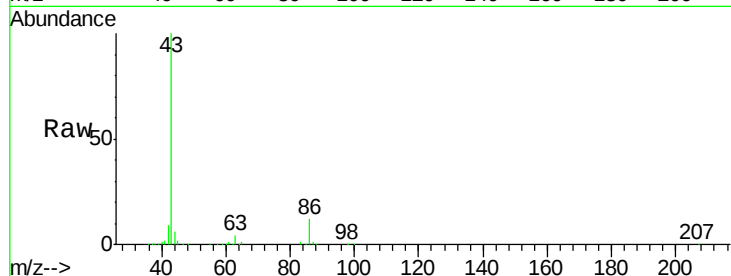
86 12.4 9.6 14.4

Manual Integrations

APPROVED

apatel

11/13/2018 11:53:34 AM



#24

1,1-Dichloroethane

Concen: 10.214 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW006804.D

Acq: 12 Nov 2018 12:50

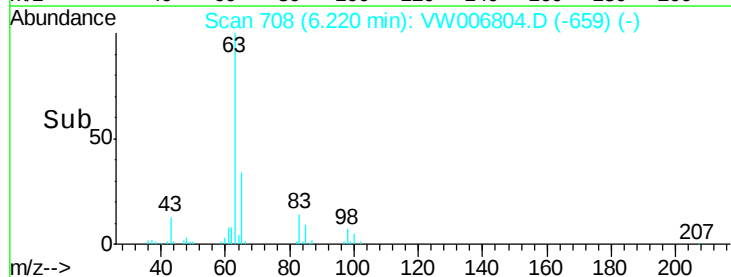
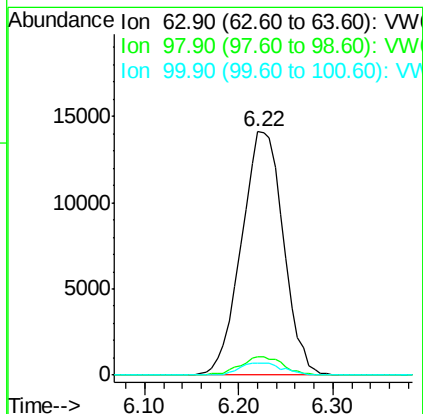
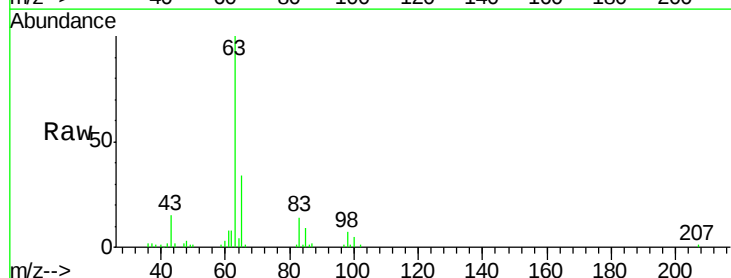
Tgt Ion: 63 Resp: 43905

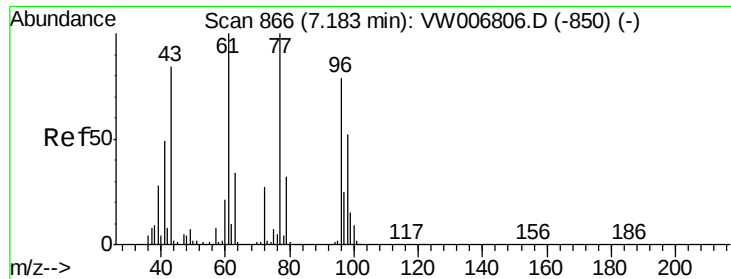
Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.5

100 4.7 2.4 7.2





#25

2-Butanone

Concen: 50.150 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.00 min

Lab File: VW006804.D

Acq: 12 Nov 2018 12:50

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 28441

Ion Ratio Lower Upper

43 100

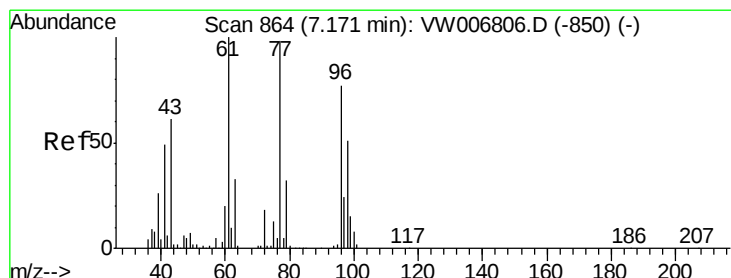
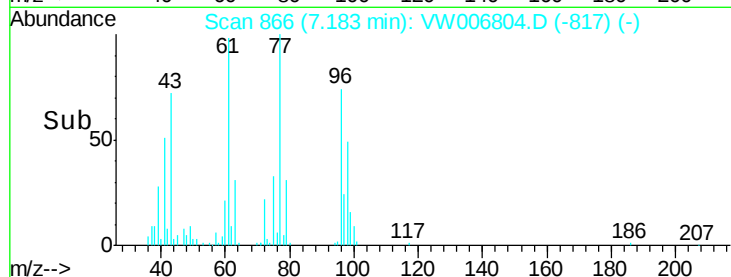
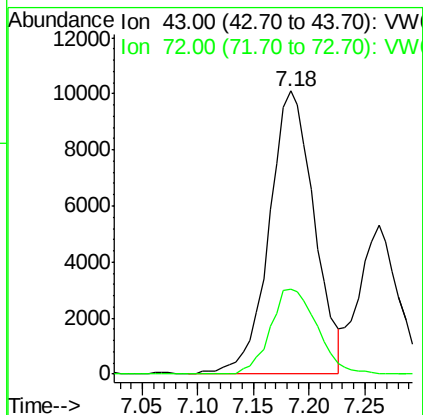
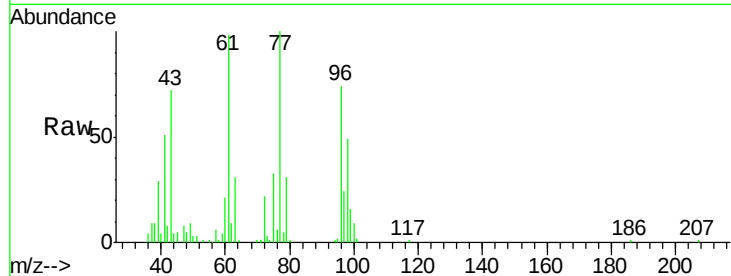
72 30.2 25.3 37.9

Manual Integrations

APPROVED

apatel

11/13/2018 11:53:34 AM



#26

2,2-Dichloropropane

Concen: 11.376 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW006804.D

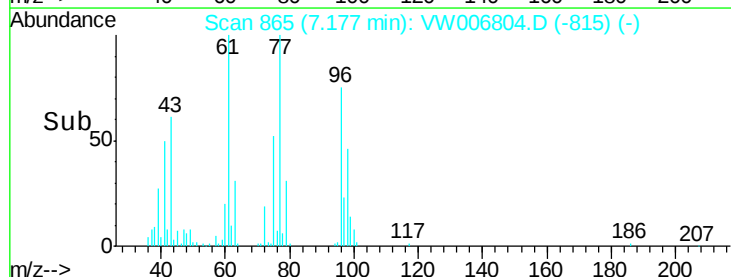
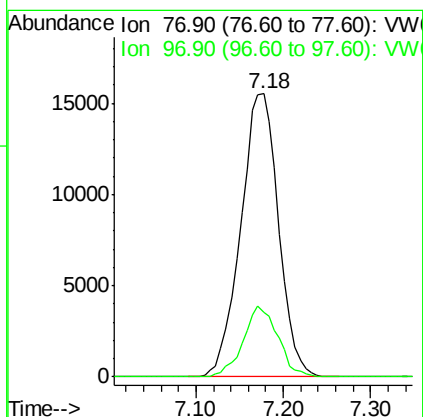
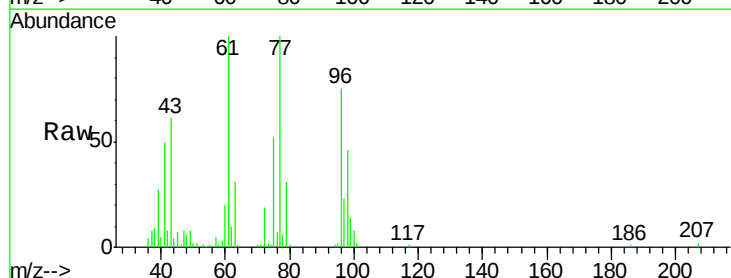
Acq: 12 Nov 2018 12:50

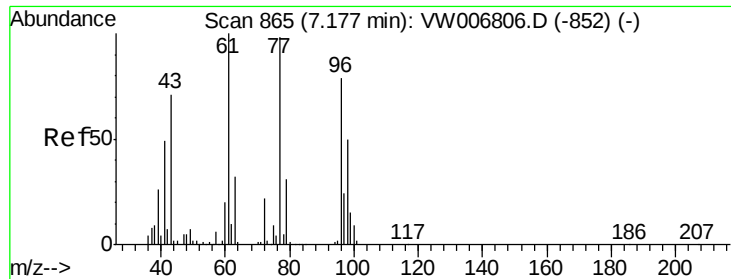
Tgt Ion: 77 Resp: 46589

Ion Ratio Lower Upper

77 100

97 22.8 12.0 36.1





#27

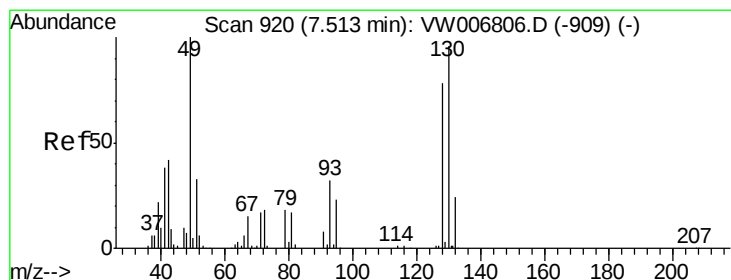
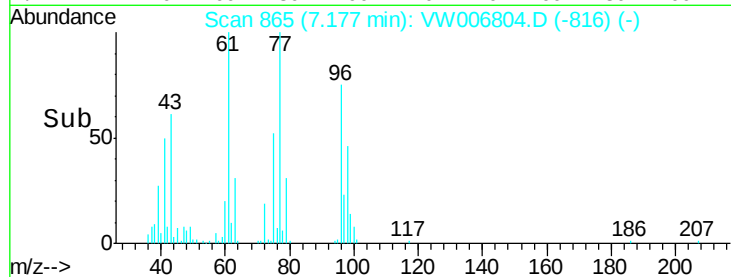
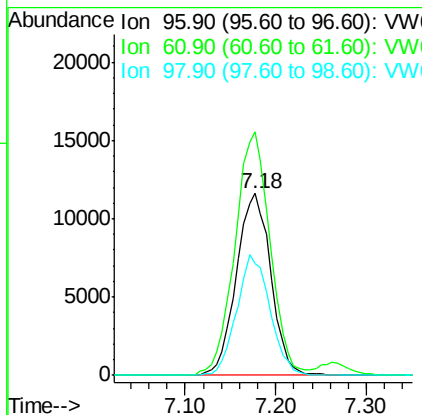
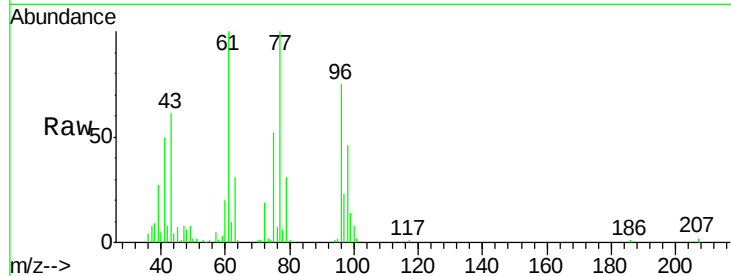
cis-1,2-Dichloroethene  
Concen: 10.335 ug/l  
RT: 7.18 min Scan# 865  
Delta R.T. -0.00 min  
Lab File: VW006804.D  
Acq: 12 Nov 2018 12:50

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC010

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 135.9 | 0.0   | 264.0 |
| 98      | 63.7  | 0.0   | 131.0 |

Manual Integrations  
APPROVED

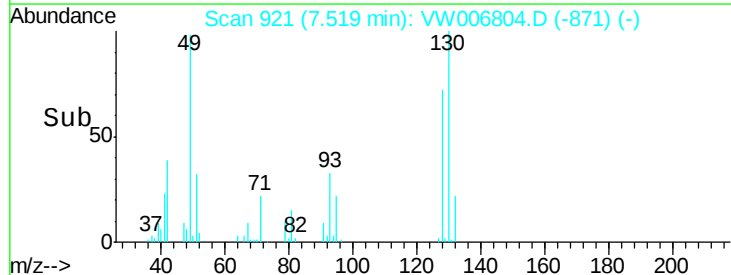
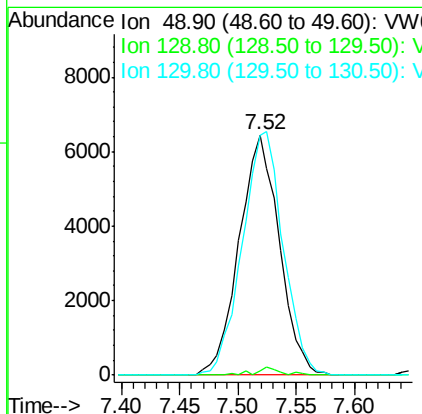
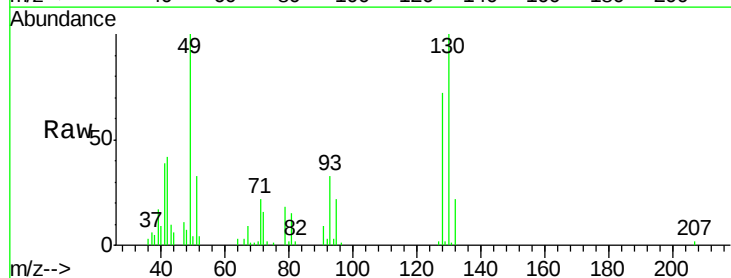
apatel  
11/13/2018 11:53:34 AM

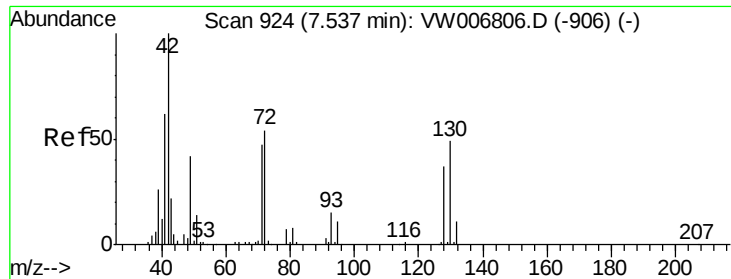


#28

Bromochloromethane  
Concen: 9.593 ug/l  
RT: 7.52 min Scan# 921  
Delta R.T. 0.01 min  
Lab File: VW006804.D  
Acq: 12 Nov 2018 12:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 1.7   | 0.0   | 5.6   |
| 130     | 102.7 | 83.3  | 124.9 |





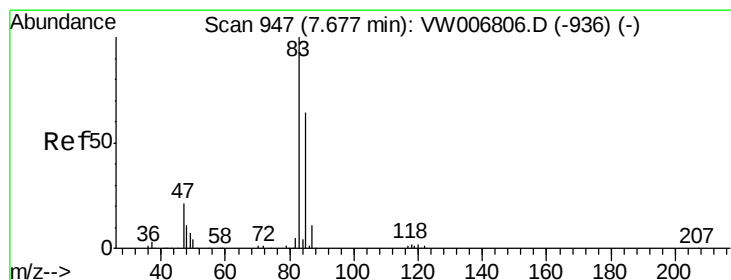
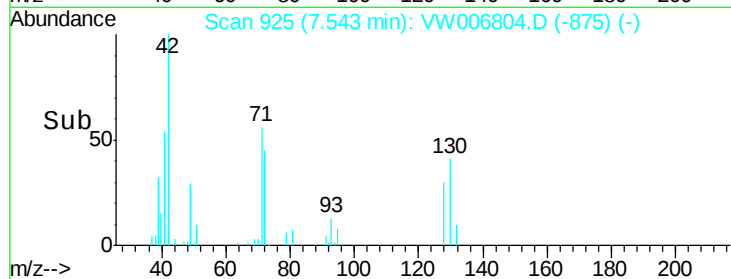
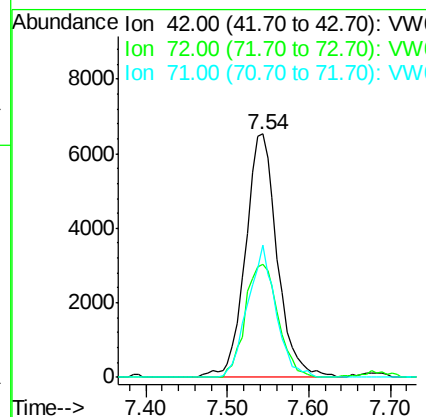
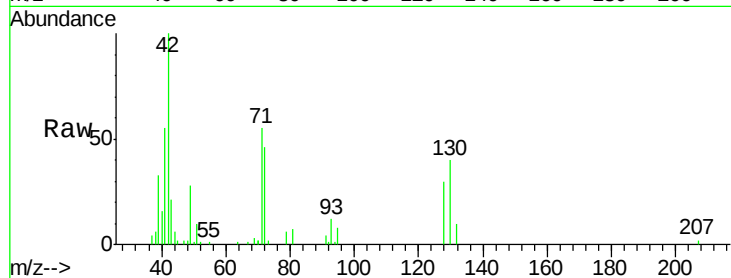
#29  
Tetrahydrofuran  
Concen: 47.468 ug/l  
RT: 7.54 min Scan# 925  
Delta R.T. 0.01 min  
Lab File: VW006804.D  
Acq: 12 Nov 2018 12:50

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC010

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 48.2  | 40.9  | 61.3  |
| 71      | 48.1  | 36.9  | 55.3  |

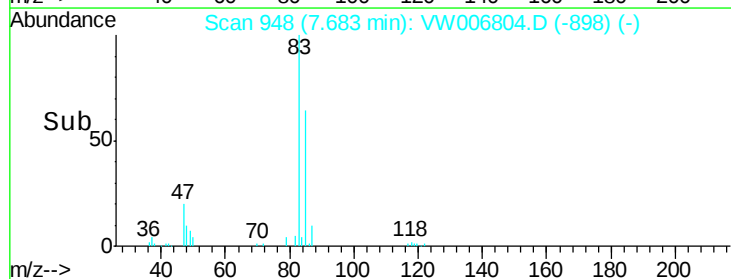
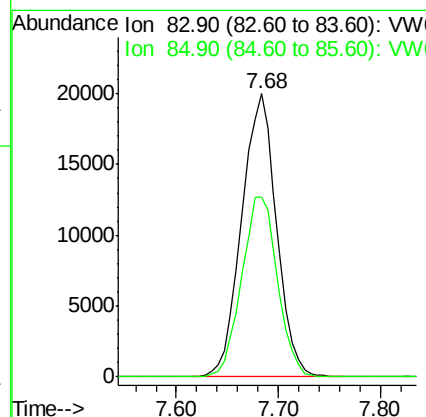
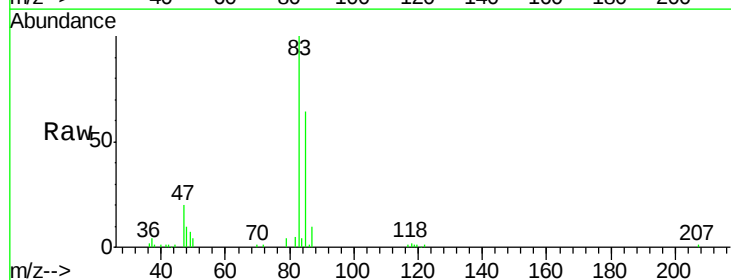
Manual Integrations  
APPROVED

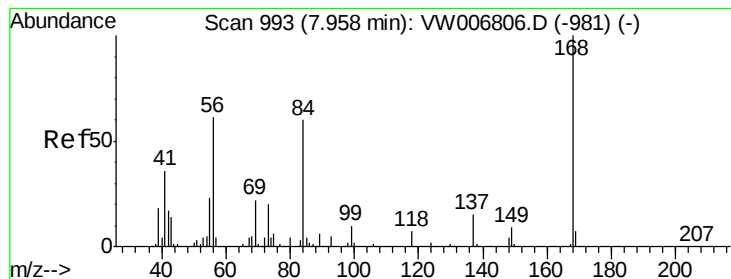
apatel  
11/13/2018 11:53:34 AM



#30  
Chloroform  
Concen: 9.933 ug/l  
RT: 7.68 min Scan# 948  
Delta R.T. 0.01 min  
Lab File: VW006804.D  
Acq: 12 Nov 2018 12:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.7  | 51.5  | 77.3  |





#31

Cyclohexane

Concen: 10.696 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW006804.D

Acq: 12 Nov 2018 12:50

Instrument :

MSVOA\_W

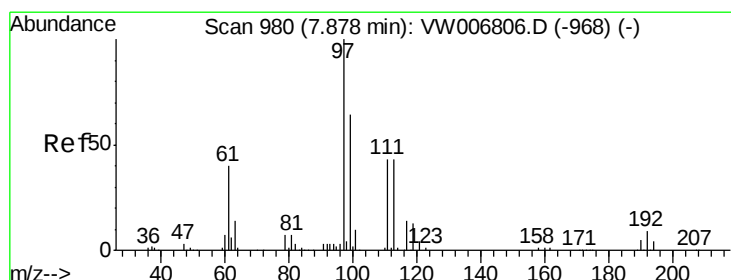
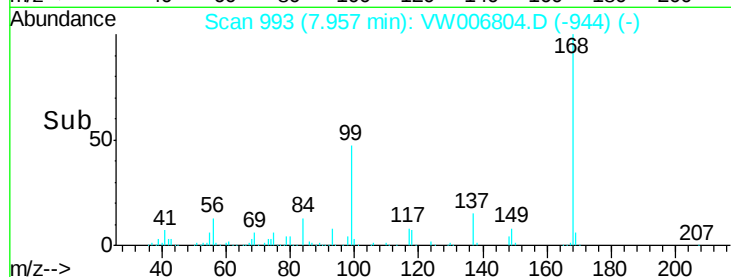
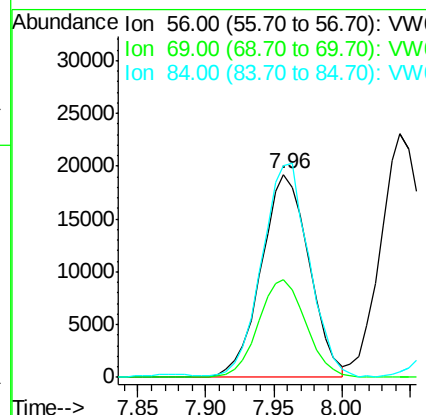
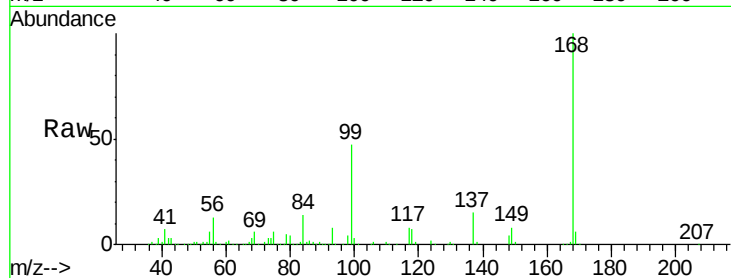
ClientSampleId :

VSTDIC010

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 56    | Resp: | 47350 |
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 69        | 48.3  | 28.9  | 43.3# |
| 84        | 103.1 | 79.0  | 118.4 |

Manual Integrations  
APPROVED

apatel  
11/13/2018 11:53:34 AM



#32

1,1,1-Trichloroethane

Concen: 10.681 ug/l

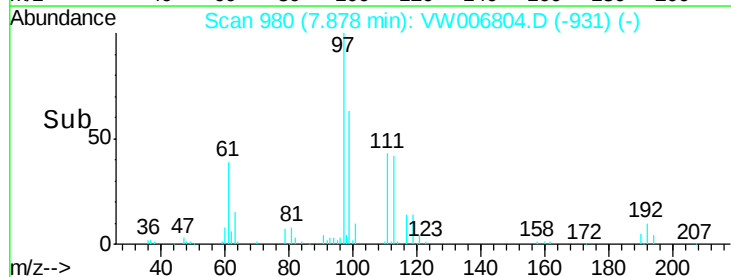
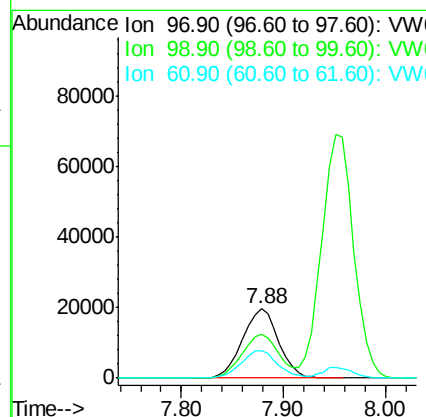
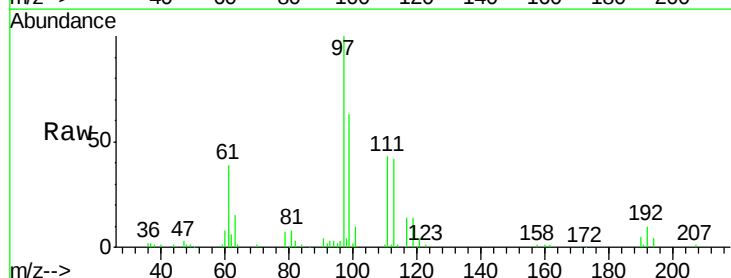
RT: 7.88 min Scan# 980

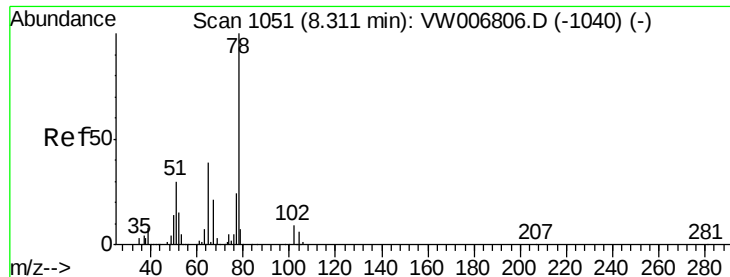
Delta R.T. -0.00 min

Lab File: VW006804.D

Acq: 12 Nov 2018 12:50

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 97    | Resp: | 48279 |
| Ion Ratio | Lower | Upper |       |
| 97        | 100   |       |       |
| 99        | 66.1  | 51.6  | 77.4  |
| 61        | 40.2  | 32.2  | 48.4  |





#33

1,2-Dichloroethane-d4

Concen: 10.836 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW006804.D

Acq: 12 Nov 2018 12:50

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC010

Tgt Ion: 65 Resp: 25713

Ion Ratio Lower Upper

65 100

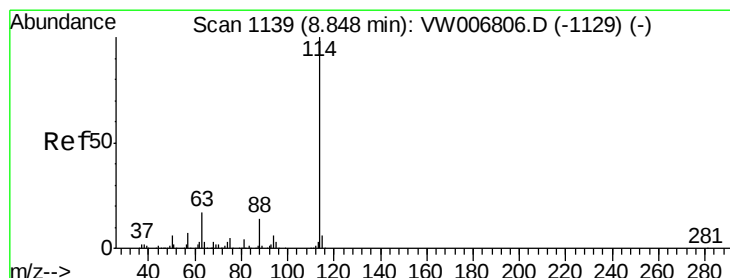
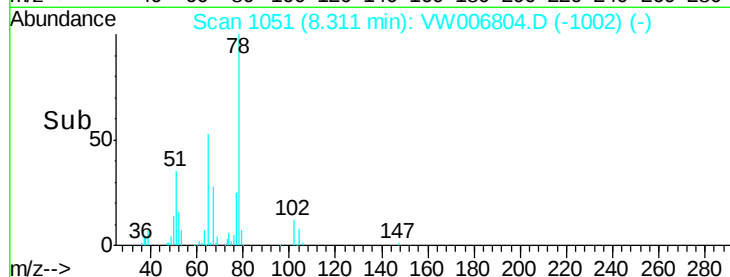
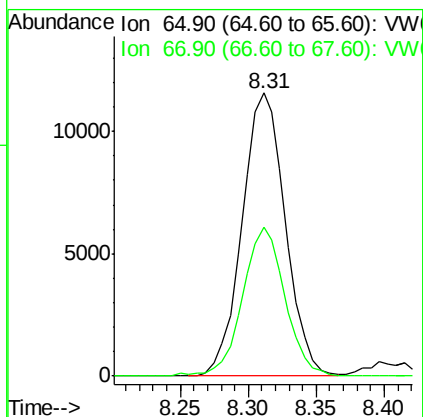
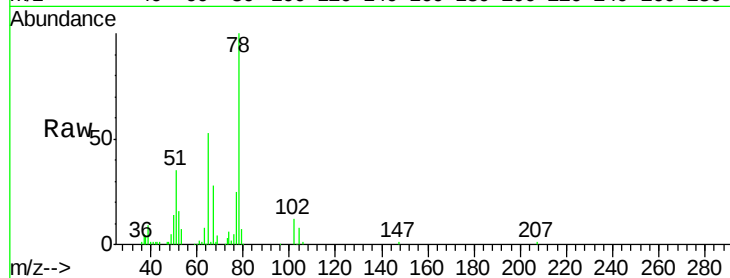
67 51.6 0.0 104.4

Manual Integrations

APPROVED

apatel

11/13/2018 11:53:34 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW006804.D

Acq: 12 Nov 2018 12:50

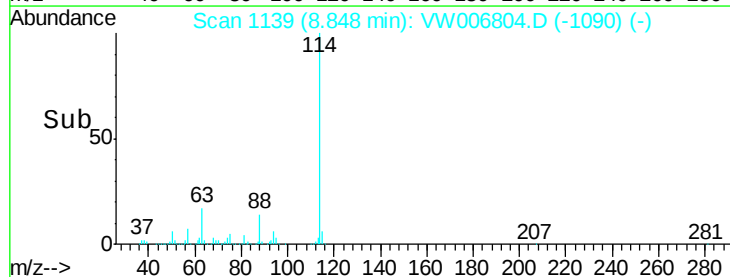
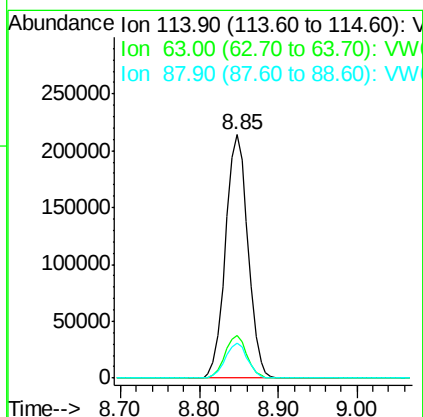
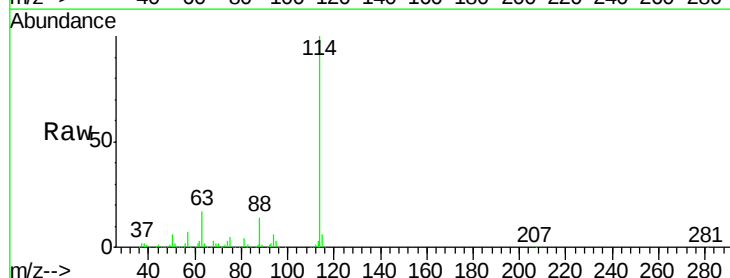
Tgt Ion: 114 Resp: 422477

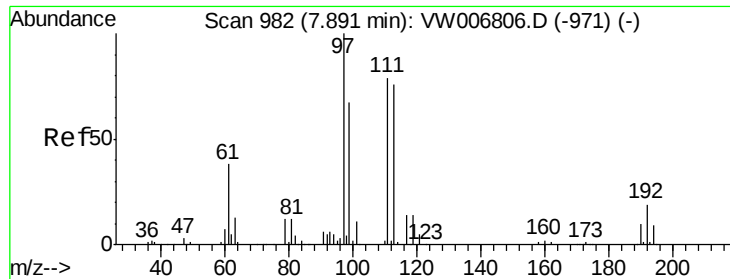
Ion Ratio Lower Upper

114 100

63 17.3 0.0 33.6

88 14.2 0.0 28.4





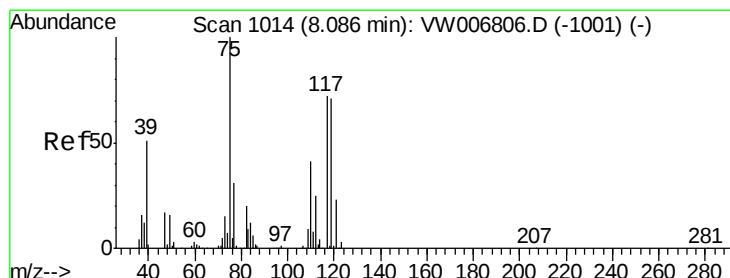
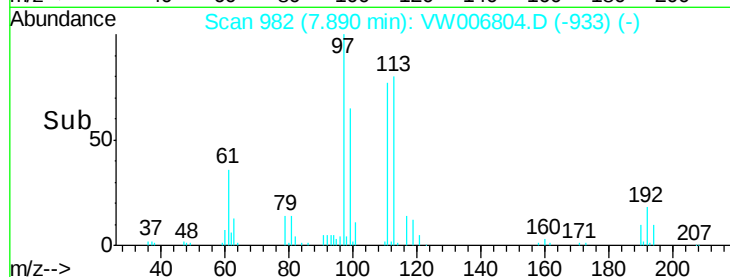
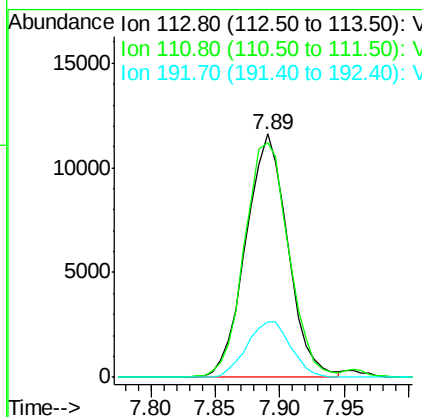
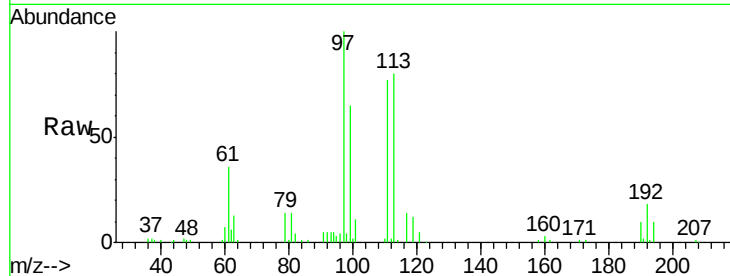
#35  
Dibromofluoromethane  
Concen: 10.910 ug/l  
RT: 7.89 min Scan# 982  
Delta R.T. -0.00 min  
Lab File: VW006804.D  
Acq: 12 Nov 2018 12:50

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC010

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 113     | 100   | 26236 |       |       |
| 111     | 101.8 | 81.0  | 121.6 |       |
| 192     | 23.7  | 19.0  | 28.6  |       |

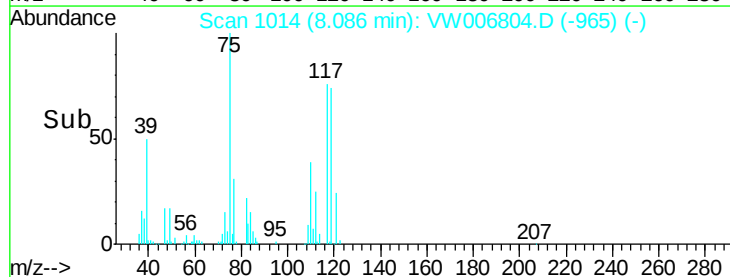
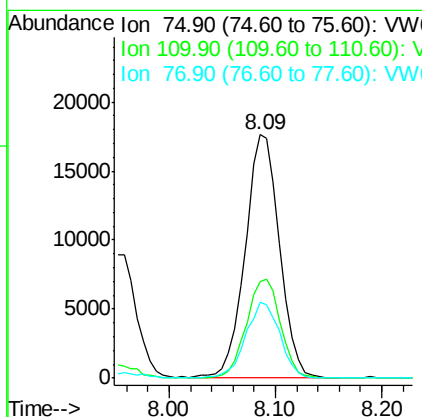
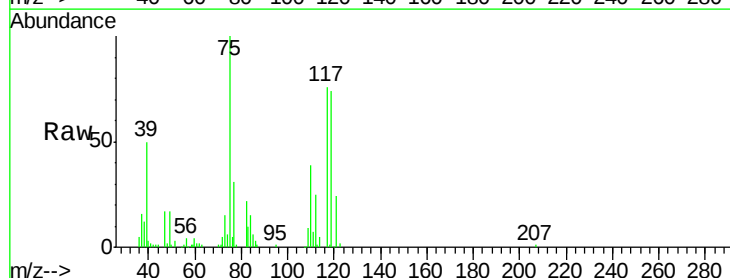
Manual Integrations  
APPROVED

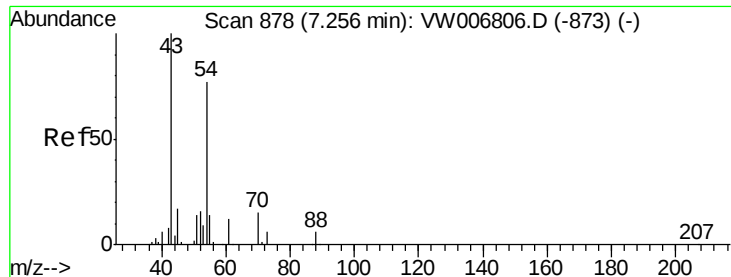
apatel  
11/13/2018 11:53:34 AM



#36  
1,1-Dichloropropene  
Concen: 10.435 ug/l  
RT: 8.09 min Scan# 1014  
Delta R.T. -0.00 min  
Lab File: VW006804.D  
Acq: 12 Nov 2018 12:50

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 40004 |       |       |
| 110     | 40.4  | 19.9  | 59.6  |       |
| 77      | 31.1  | 25.4  | 38.2  |       |





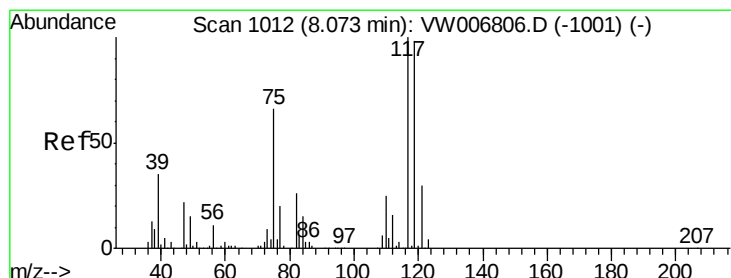
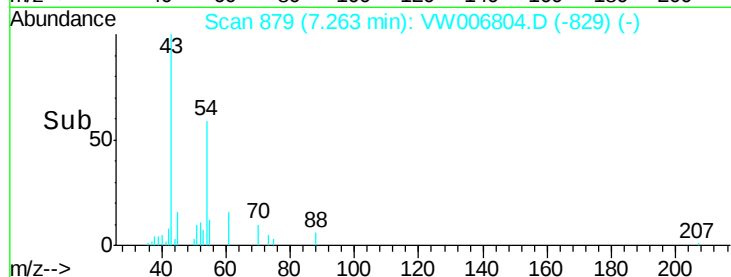
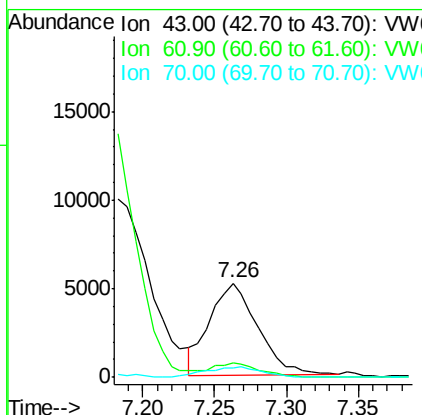
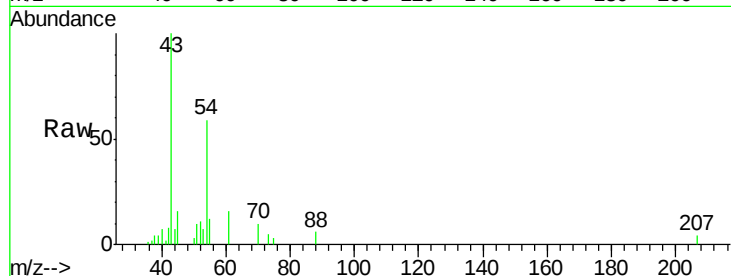
#37  
Ethyl Acetate  
Concen: 8.980 ug/l  
RT: 7.26 min Scan# 879  
Delta R.T. 0.01 min  
Lab File: VW006804.D  
Acq: 12 Nov 2018 12:50

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC010

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 16.4  | 11.7  | 17.5  |
| 70      | 12.9  | 10.0  | 15.0  |

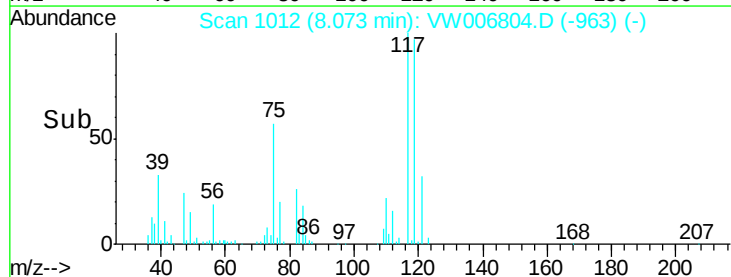
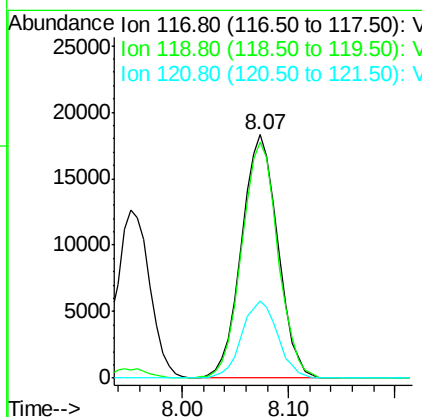
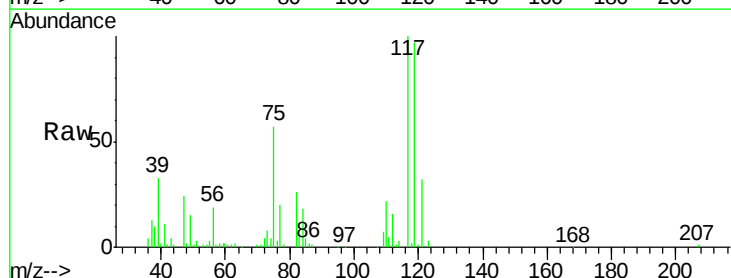
Manual Integrations  
APPROVED

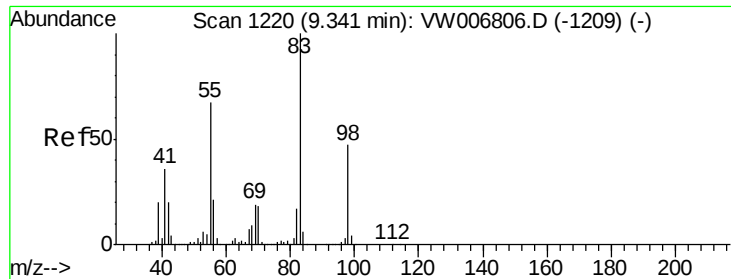
apatel  
11/13/2018 11:53:34 AM



#38  
Carbon Tetrachloride  
Concen: 10.733 ug/l  
RT: 8.07 min Scan# 1012  
Delta R.T. -0.00 min  
Lab File: VW006804.D  
Acq: 12 Nov 2018 12:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.9  | 78.5  | 117.7 |
| 121     | 31.5  | 24.2  | 36.2  |





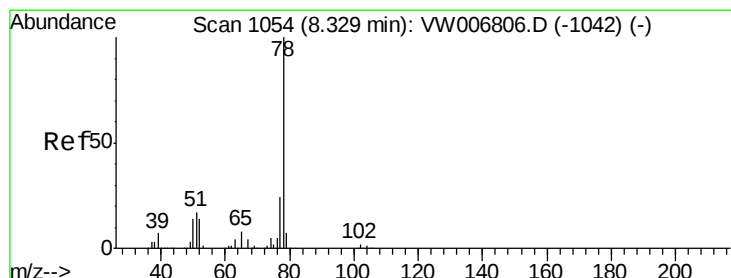
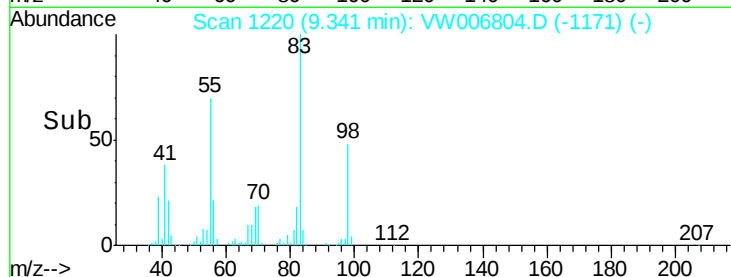
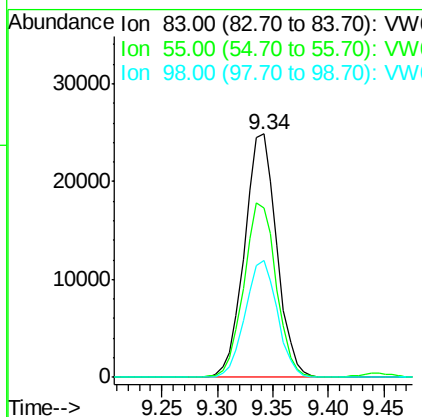
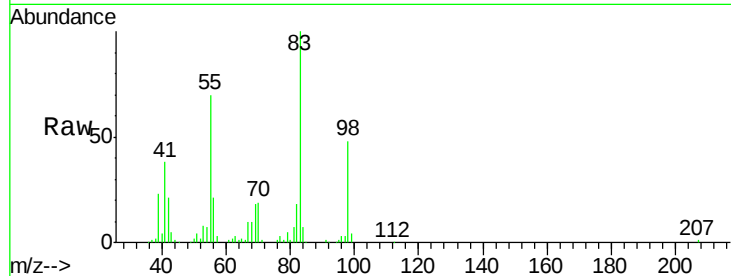
#39  
Methylcyclohexane  
Concen: 10.265 ug/l  
RT: 9.34 min Scan# 1220  
Delta R.T. -0.00 min  
Lab File: VW006804.D  
Acq: 12 Nov 2018 12:50

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC010

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 69.6  | 53.3  | 79.9  |
| 98      | 47.9  | 37.9  | 56.9  |

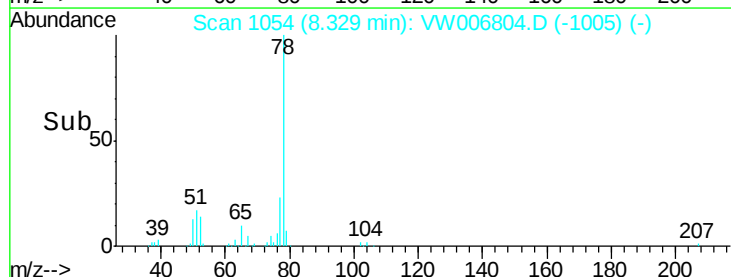
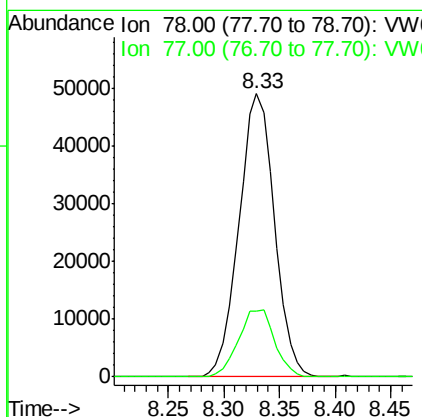
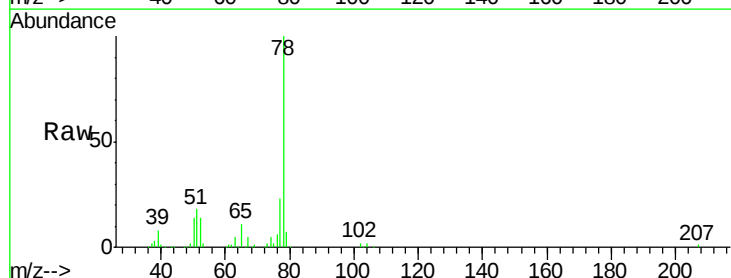
Manual Integrations  
APPROVED

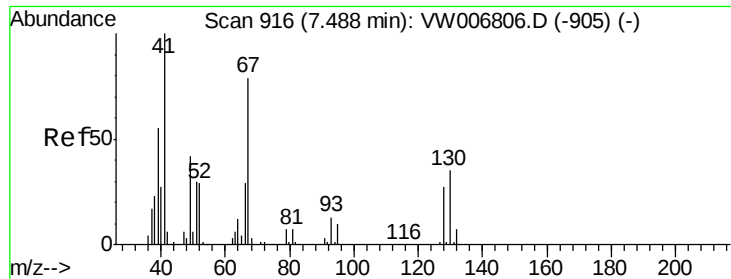
apatel  
11/13/2018 11:53:34 AM



#40  
Benzene  
Concen: 10.074 ug/l  
RT: 8.33 min Scan# 1054  
Delta R.T. -0.00 min  
Lab File: VW006804.D  
Acq: 12 Nov 2018 12:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.4  | 19.0  | 28.6  |





#41

Methacrylonitrile

Concen: 9.347 ug/l

RT: 7.49 min Scan# 916

Delta R.T. -0.00 min

Lab File: VW006804.D

Acq: 12 Nov 2018 12:50

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC010

Tgt Ion: 41 Resp: 7383

Ion Ratio Lower Upper

41 100

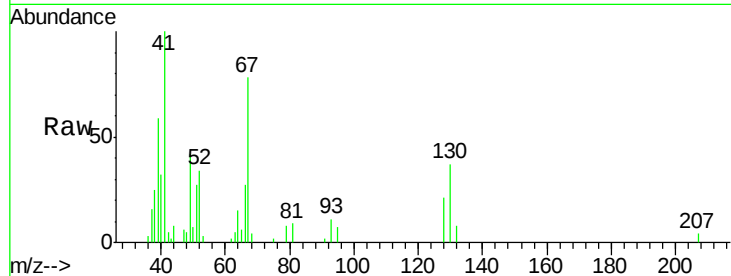
39 64.7 48.1 72.1

67 80.6 61.4 92.2

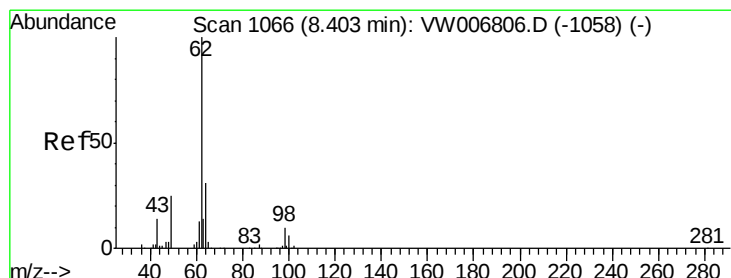
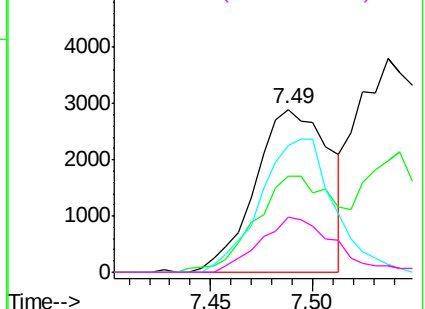
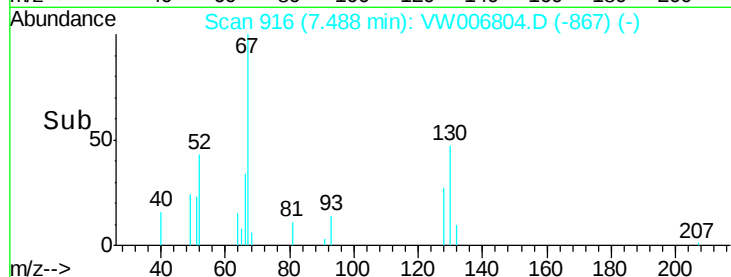
52 33.8 23.2 34.8

Manual Integrations  
APPROVED

apatel  
11/13/2018 11:53:34 AM



Abundance Ion 41.00 (40.70 to 41.70): VW  
Ion 39.00 (38.70 to 39.70): VW  
Ion 67.00 (66.70 to 67.70): VW  
Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 10.141 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW006804.D

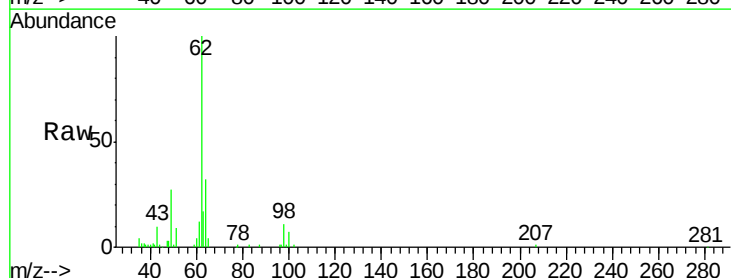
Acq: 12 Nov 2018 12:50

Tgt Ion: 62 Resp: 29881

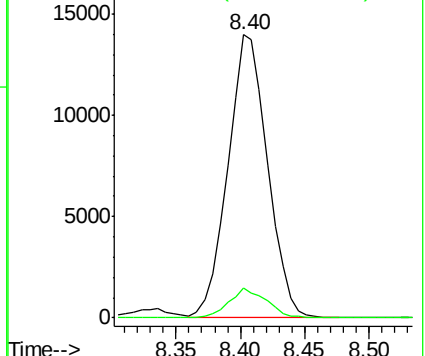
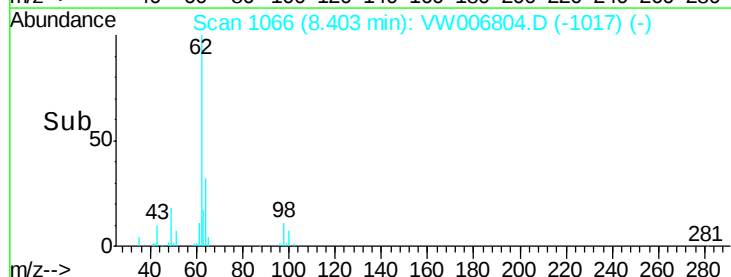
Ion Ratio Lower Upper

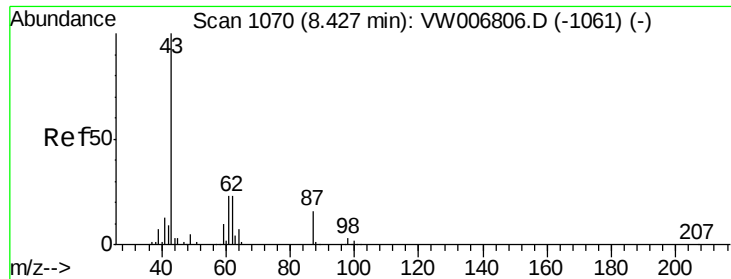
62 100

98 9.8 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VW  
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 9.107 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. 0.01 min

Lab File: VW006804.D

Acq: 12 Nov 2018 12:50

Instrument :

MSVOA\_W

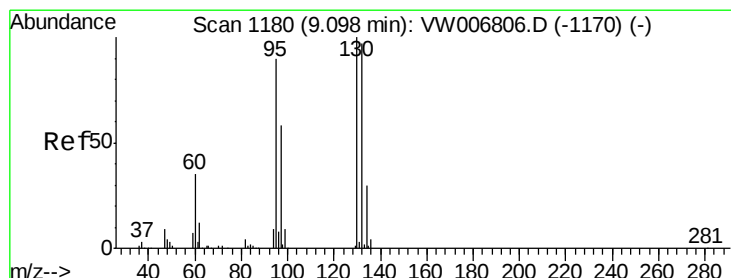
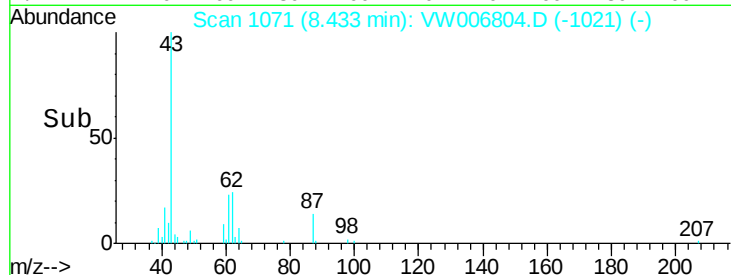
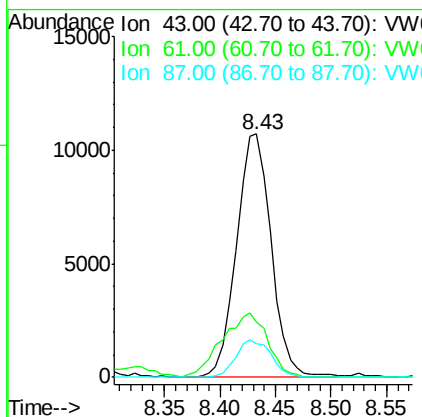
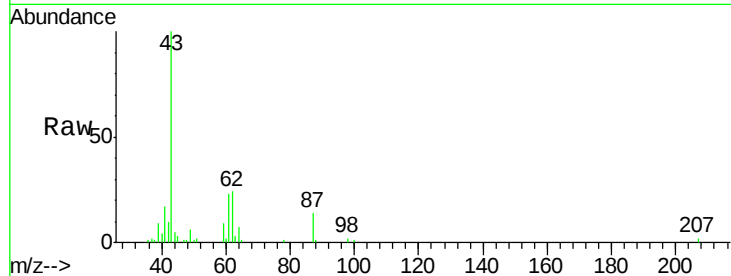
ClientSampleId :

VSTDIC010

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 23243 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 61        | 34.5  | 27.0  | 40.4  |
| 87        | 15.6  | 13.0  | 19.4  |

Manual Integrations  
APPROVED

apatel  
11/13/2018 11:53:34 AM



#44

Trichloroethene

Concen: 10.375 ug/l

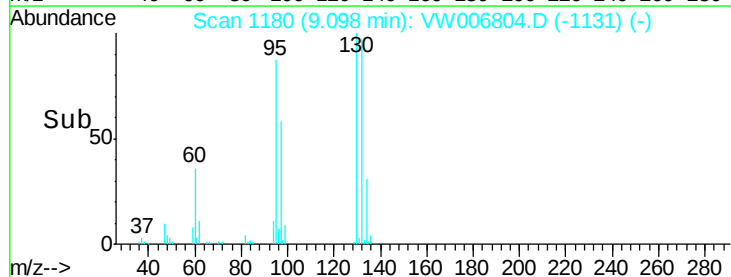
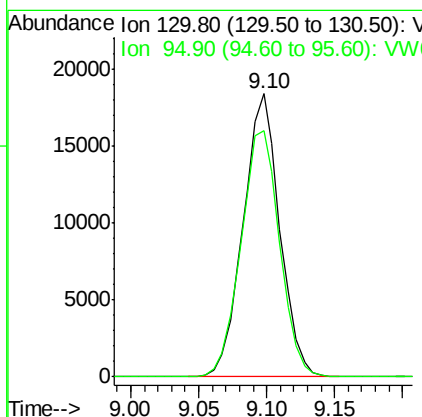
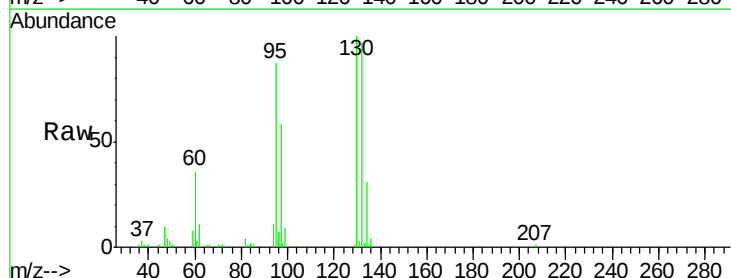
RT: 9.10 min Scan# 1180

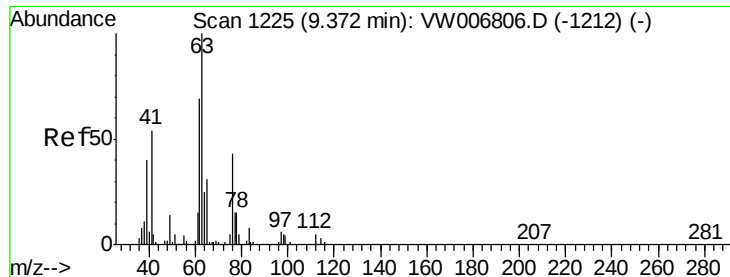
Delta R.T. -0.00 min

Lab File: VW006804.D

Acq: 12 Nov 2018 12:50

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 130   | Resp: | 34532 |
| Ion Ratio | Lower | Upper |       |
| 130       | 100   |       |       |
| 95        | 86.9  | 0.0   | 180.2 |





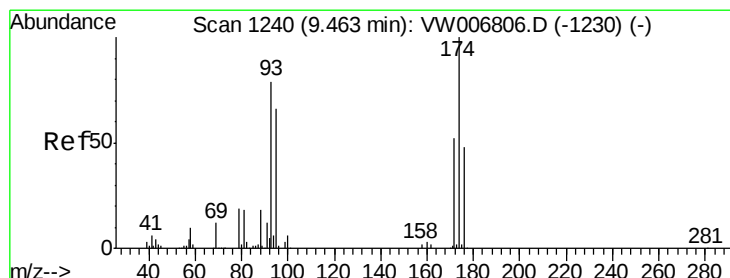
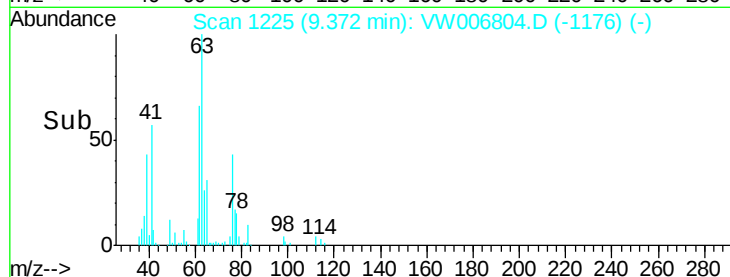
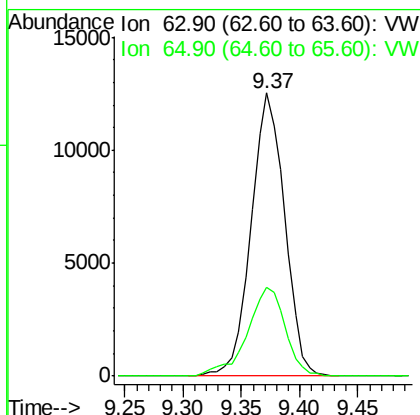
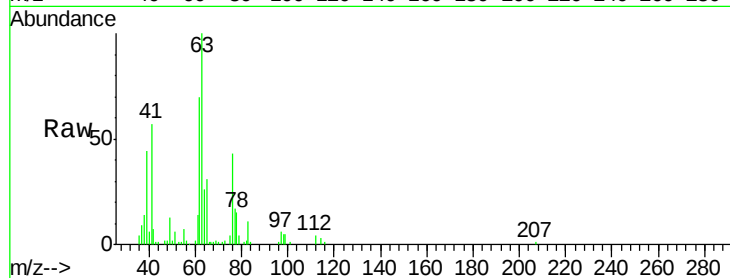
#45  
 1,2-Dichloropropane  
 Concen: 9.835 ug/l  
 RT: 9.37 min Scan# 1225  
 Delta R.T. -0.00 min  
 Lab File: VW006804.D  
 Acq: 12 Nov 2018 12:50

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VSTDIC010

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 31.4  | 24.4  | 36.6  |

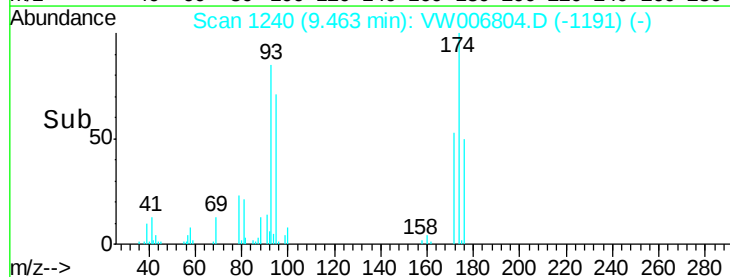
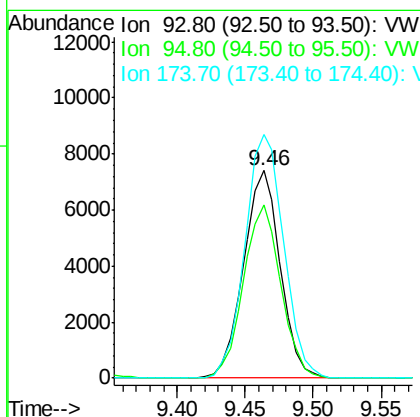
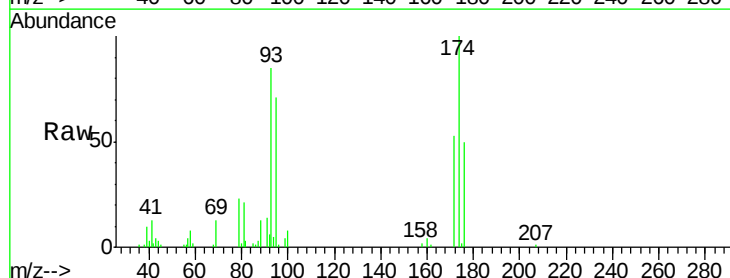
Manual Integrations  
 APPROVED

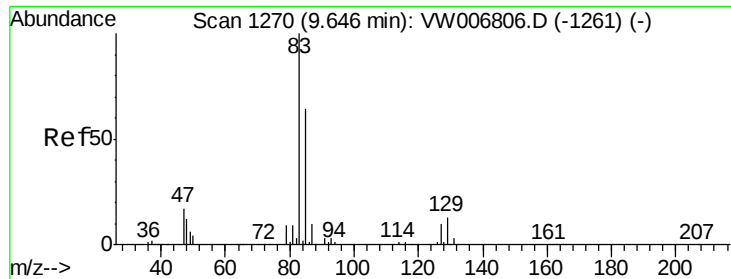
apatel  
 11/13/2018 11:53:34 AM



#46  
 Dibromomethane  
 Concen: 9.837 ug/l  
 RT: 9.46 min Scan# 1240  
 Delta R.T. -0.00 min  
 Lab File: VW006804.D  
 Acq: 12 Nov 2018 12:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 84.5  | 67.0  | 100.6 |
| 174     | 123.9 | 98.6  | 147.8 |





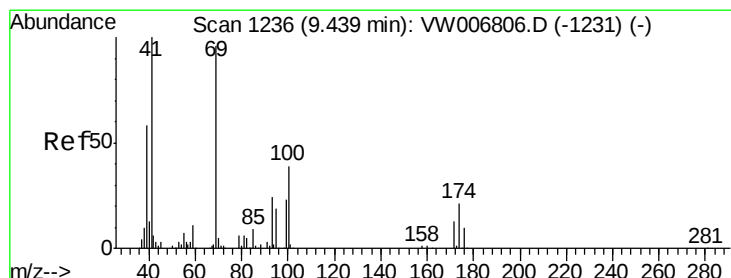
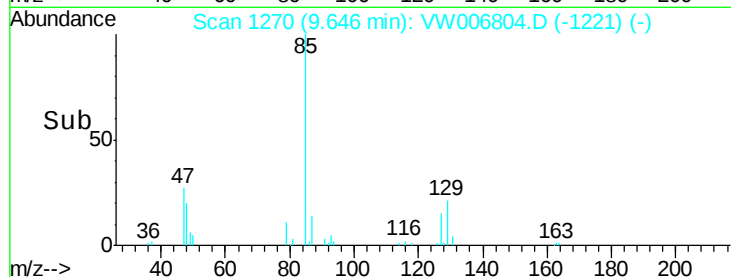
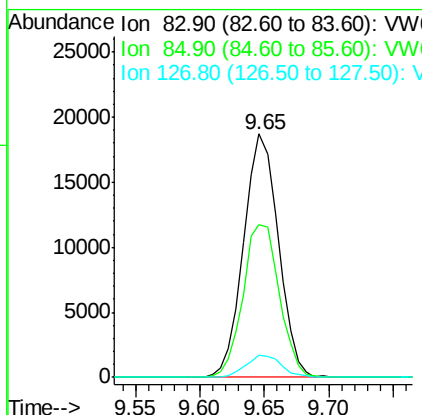
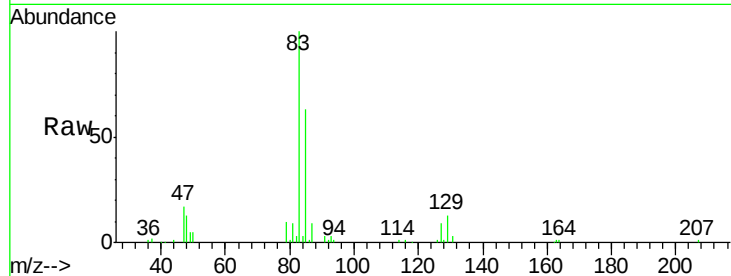
#47  
Bromodichloromethane  
Concen: 10.087 ug/l  
RT: 9.65 min Scan# 1270  
Delta R.T. -0.00 min  
Lab File: VW006804.D  
Acq: 12 Nov 2018 12:50

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC010

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 62.8  | 51.4  | 77.0  |
| 127     | 9.2   | 7.6   | 11.4  |

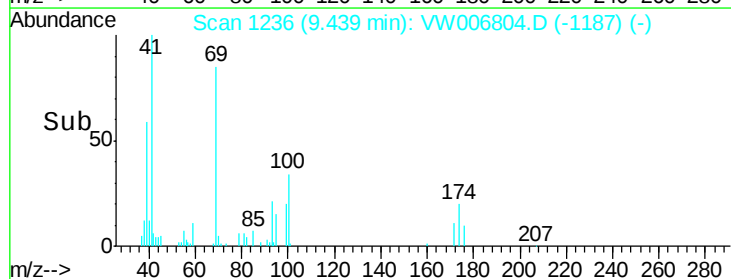
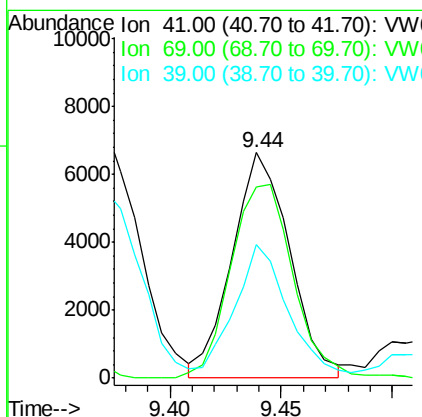
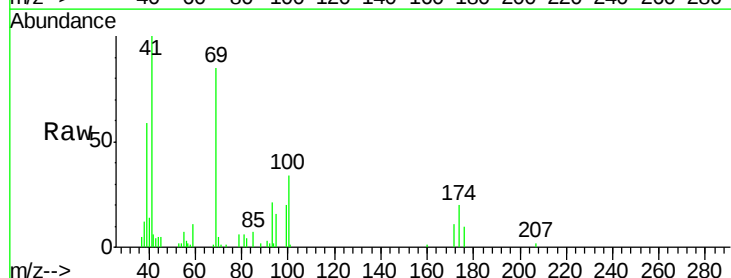
Manual Integrations  
APPROVED

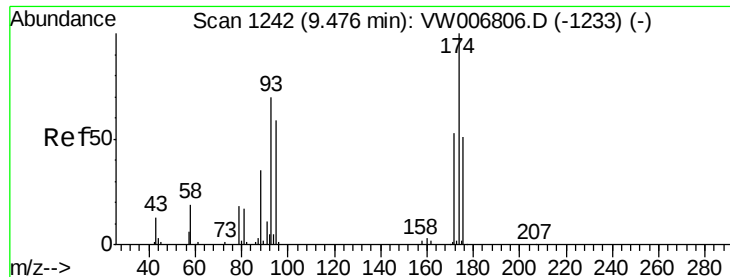
apatel  
11/13/2018 11:53:34 AM



#48  
Methyl methacrylate  
Concen: 9.968 ug/l  
RT: 9.44 min Scan# 1236  
Delta R.T. -0.00 min  
Lab File: VW006804.D  
Acq: 12 Nov 2018 12:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 93.4  | 79.8  | 119.6 |
| 39      | 50.6  | 45.9  | 68.9  |





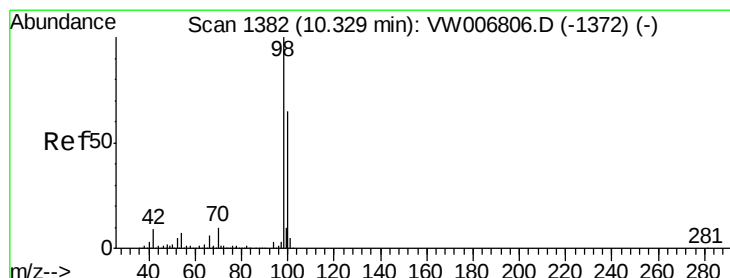
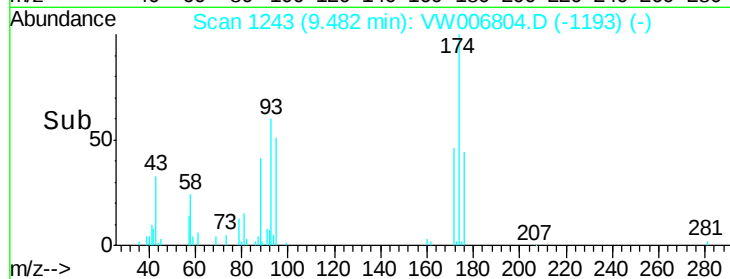
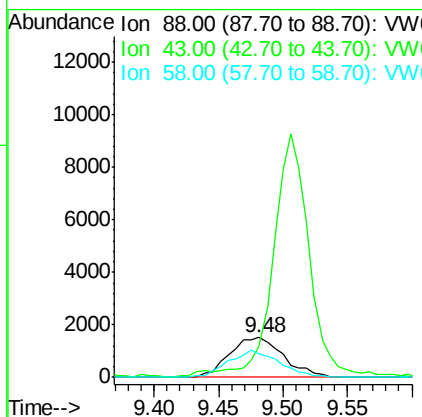
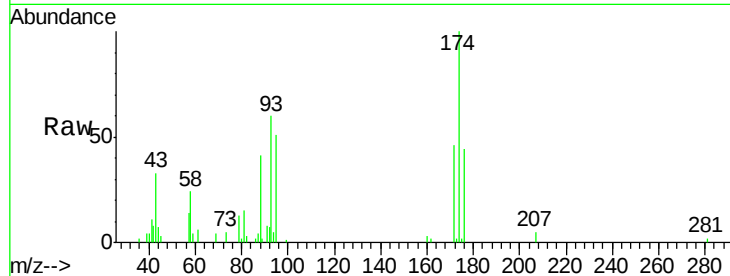
#49  
1,4-Dioxane  
Concen: 204.634 ug/l  
RT: 9.48 min Scan# 1243  
Delta R.T. 0.01 min  
Lab File: VW006804.D  
Acq: 12 Nov 2018 12:50

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC010

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 0.0   | 0.0   | 0.0   |
| 58      | 64.1  | 50.6  | 75.8  |

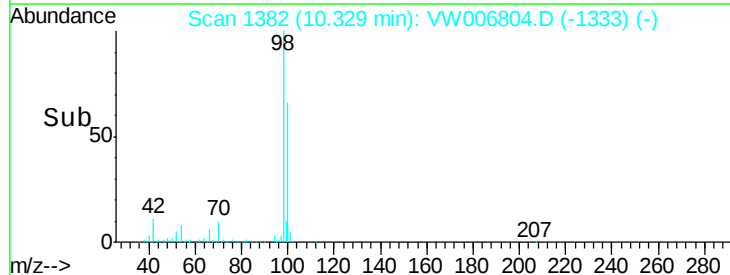
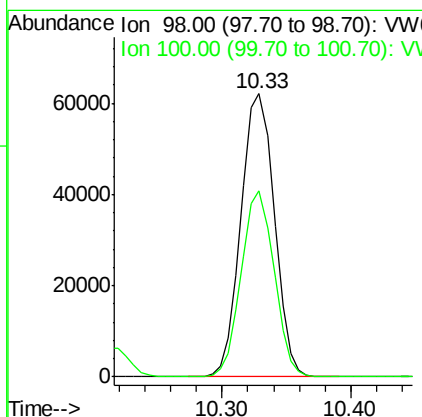
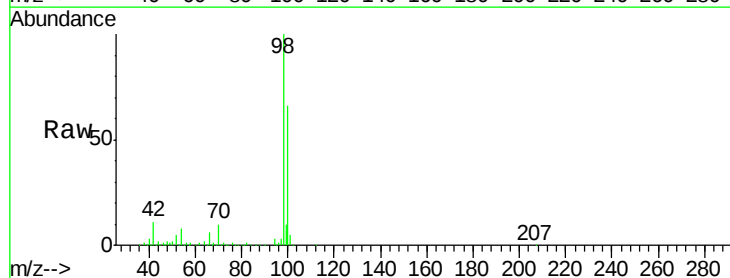
Manual Integrations  
APPROVED

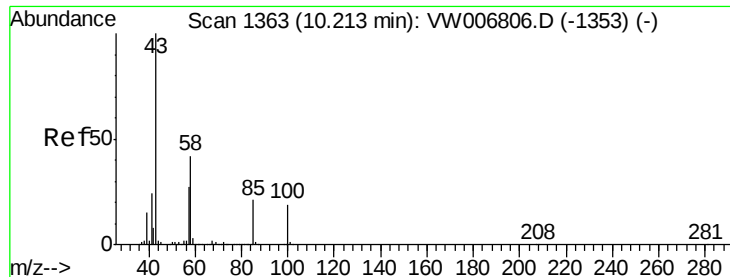
apatel  
11/13/2018 11:53:34 AM



#50  
Toluene-d8  
Concen: 11.059 ug/l  
RT: 10.33 min Scan# 1382  
Delta R.T. -0.00 min  
Lab File: VW006804.D  
Acq: 12 Nov 2018 12:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.5  | 51.4  | 77.2  |





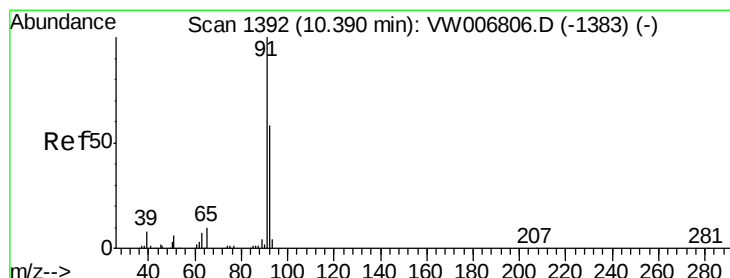
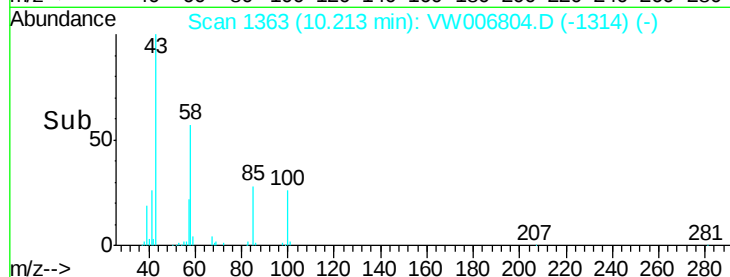
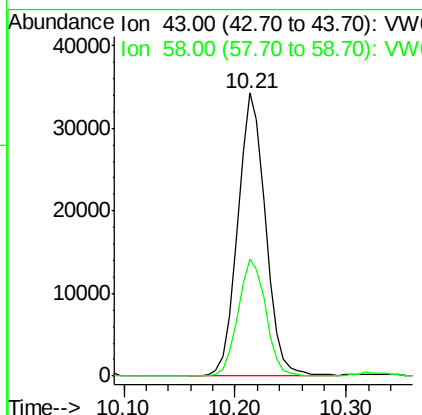
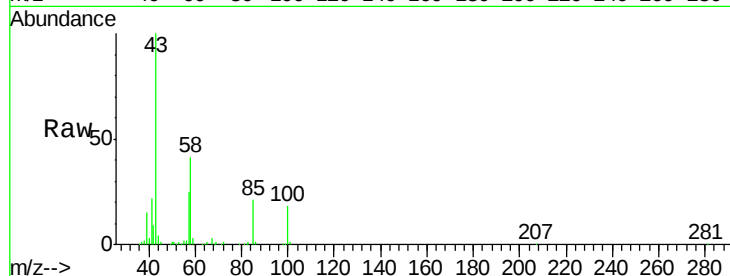
#51  
 4-Methyl-2-Pentanone  
 Concen: 45.250 ug/l  
 RT: 10.21 min Scan# 1363  
 Delta R.T. -0.00 min  
 Lab File: VW006804.D  
 Acq: 12 Nov 2018 12:50

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC010

Tgt Ion: 43 Resp: 59334  
 Ion Ratio Lower Upper  
 43 100  
 58 41.2 34.0 51.0

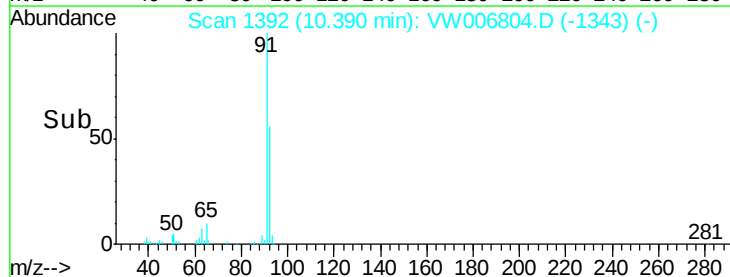
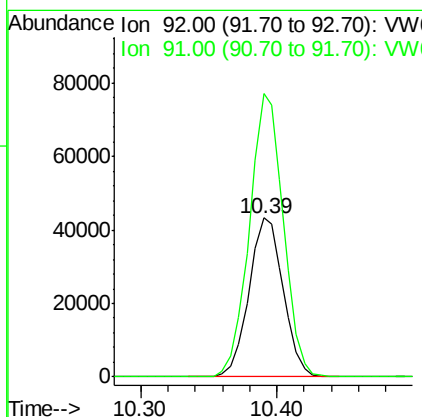
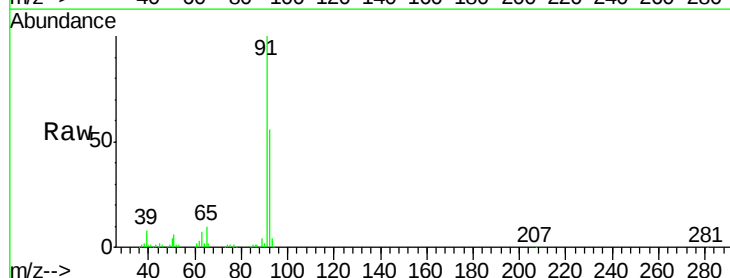
Manual Integrations  
 APPROVED

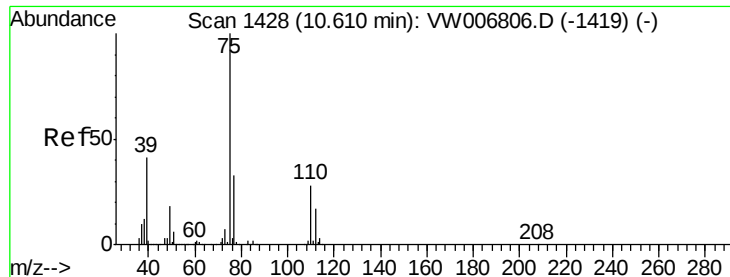
apatel  
 11/13/2018 11:53:34 AM



#52  
 Toluene  
 Concen: 10.036 ug/l  
 RT: 10.39 min Scan# 1392  
 Delta R.T. -0.00 min  
 Lab File: VW006804.D  
 Acq: 12 Nov 2018 12:50

Tgt Ion: 92 Resp: 76383  
 Ion Ratio Lower Upper  
 92 100  
 91 176.2 139.4 209.2





#53

t-1,3-Dichloropropene

Concen: 9.682 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW006804.D

Acq: 12 Nov 2018 12:50

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC010

Tgt Ion: 75 Resp: 32518

Ion Ratio Lower Upper

75 100

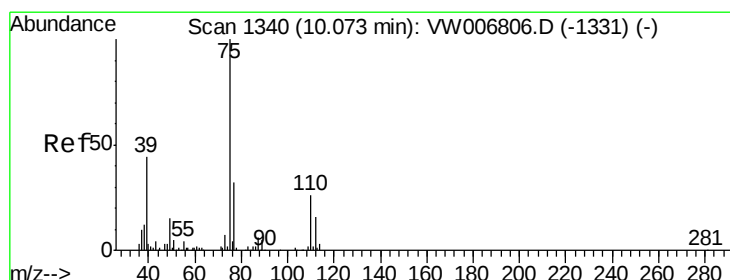
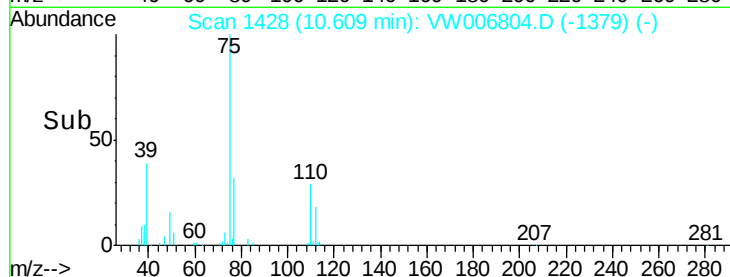
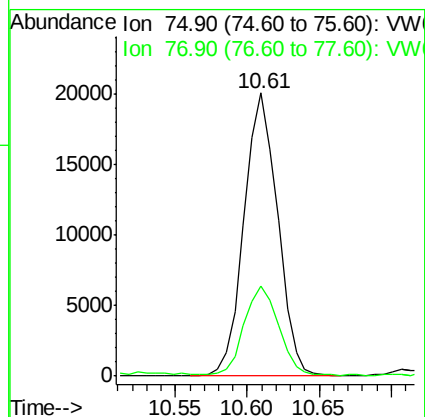
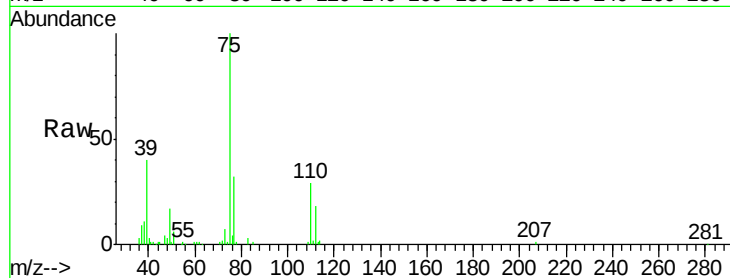
77 31.4 26.3 39.5

Manual Integrations

APPROVED

apatel

11/13/2018 11:53:34 AM



#54

cis-1,3-Dichloropropene

Concen: 9.905 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW006804.D

Acq: 12 Nov 2018 12:50

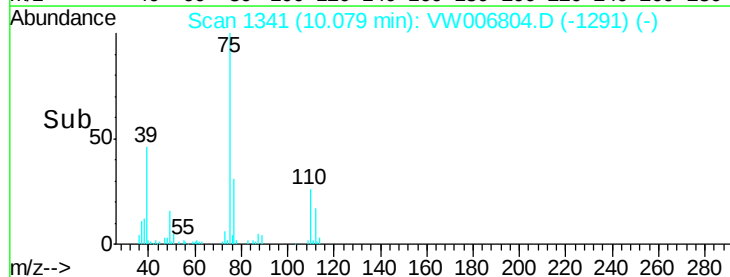
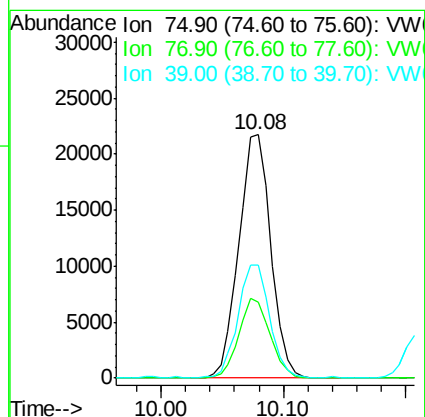
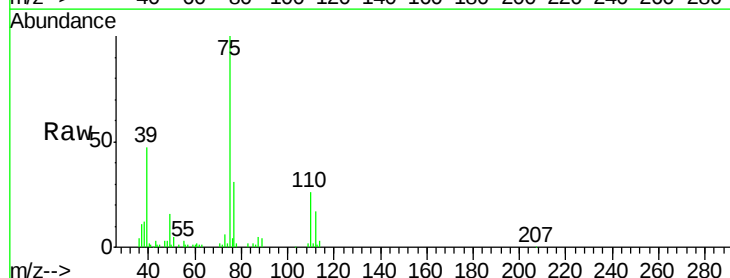
Tgt Ion: 75 Resp: 39442

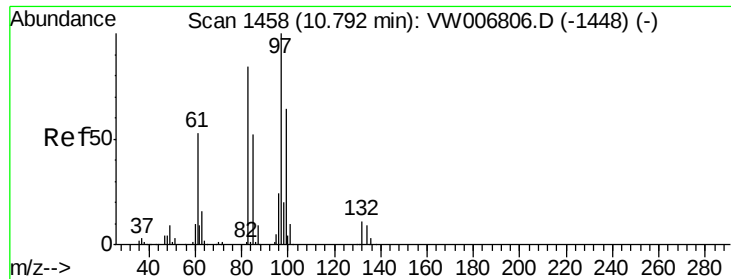
Ion Ratio Lower Upper

75 100

77 31.4 25.2 37.8

39 46.5 35.3 52.9





#55

1,1,2-Trichloroethane

Concen: 9.885 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. -0.00 min

Lab File: VW006804.D

Acq: 12 Nov 2018 12:50

Instrument :

MSVOA\_W

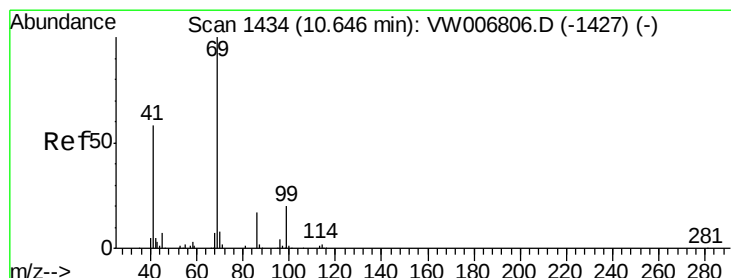
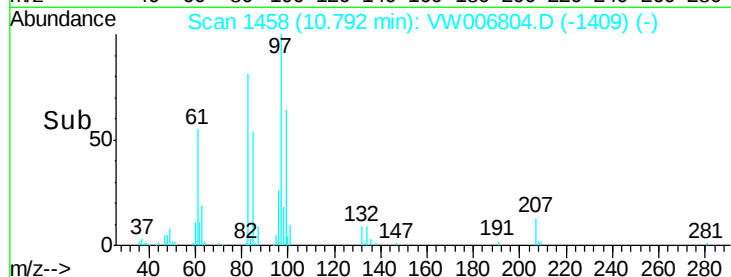
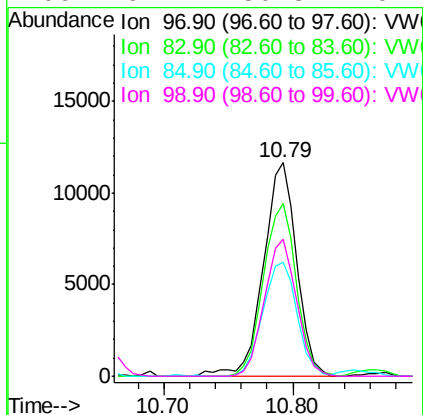
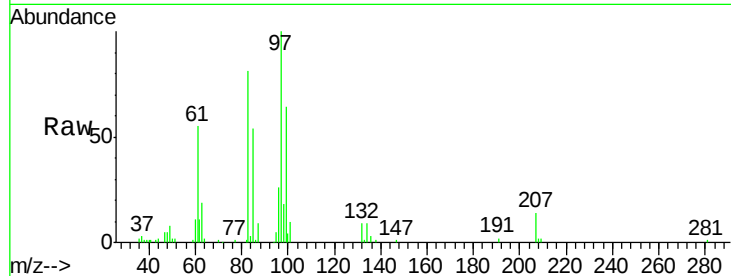
ClientSampleId :

VSTDIC010

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 97    | Resp: | 20787 |
| Ion Ratio | Lower | Upper |       |
| 97        | 100   |       |       |
| 83        | 81.0  | 67.0  | 100.4 |
| 85        | 53.6  | 41.7  | 62.5  |
| 99        | 64.2  | 50.8  | 76.2  |

Manual Integrations  
APPROVED

apatel  
11/13/2018 11:53:34 AM



#56

Ethyl methacrylate

Concen: 8.958 ug/l

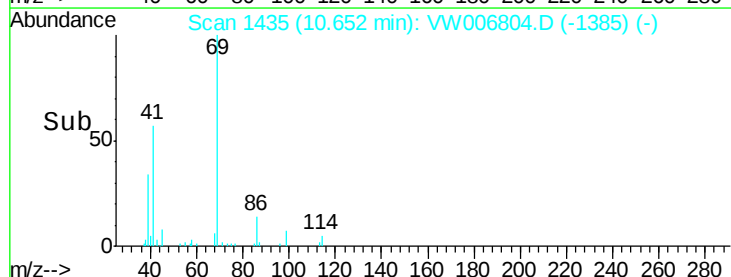
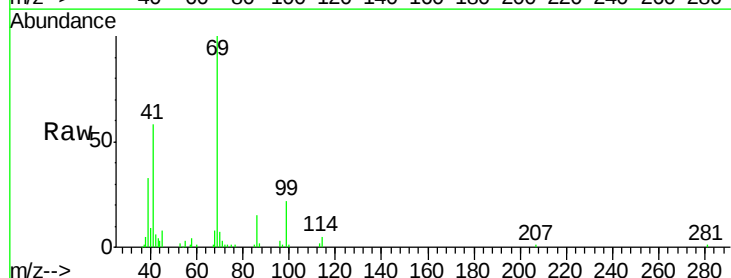
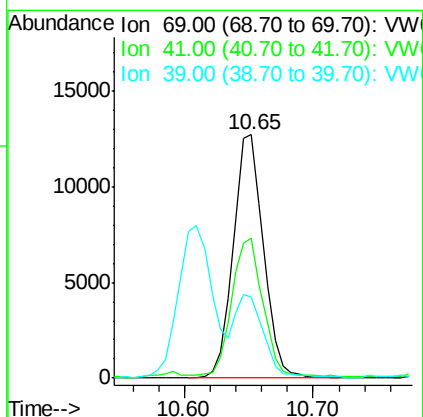
RT: 10.65 min Scan# 1435

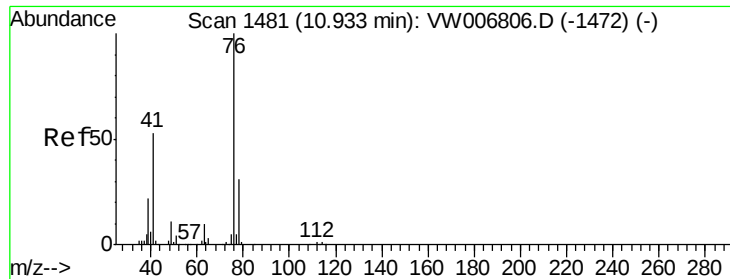
Delta R.T. 0.01 min

Lab File: VW006804.D

Acq: 12 Nov 2018 12:50

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 69    | Resp: | 20800 |
| Ion Ratio | Lower | Upper |       |
| 69        | 100   |       |       |
| 41        | 60.2  | 47.0  | 70.4  |
| 39        | 32.9  | 23.1  | 34.7  |





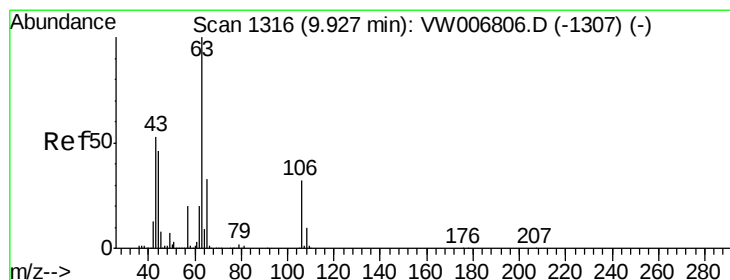
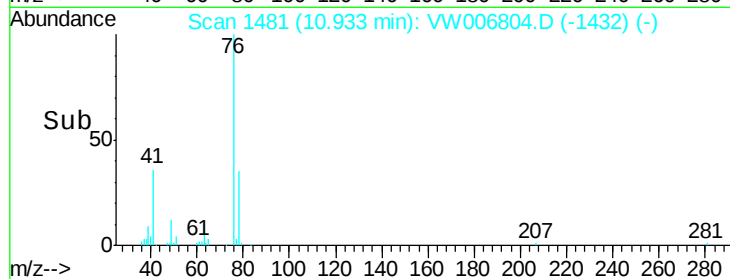
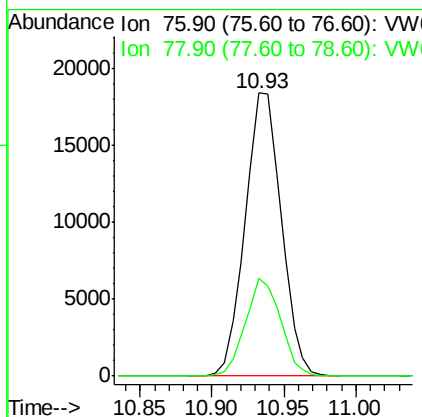
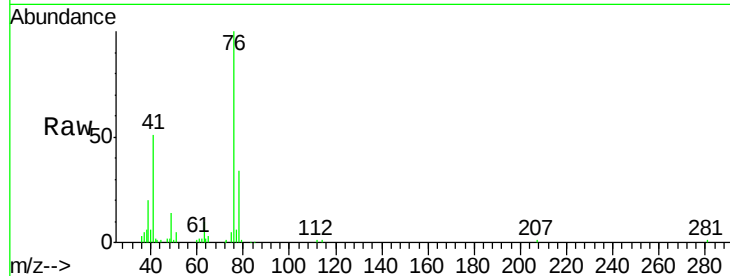
#57  
 1,3-Dichloropropane  
 Concen: 9.531 ug/l  
 RT: 10.93 min Scan# 1481  
 Delta R.T. -0.00 min  
 Lab File: VW006804.D  
 Acq: 12 Nov 2018 12:50

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC010

Tgt Ion: 76 Resp: 32039  
 Ion Ratio Lower Upper  
 76 100  
 78 33.2 26.2 39.2

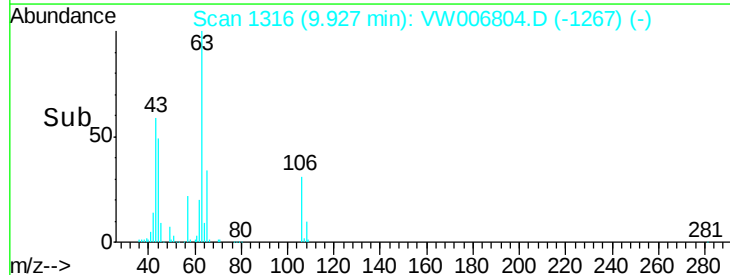
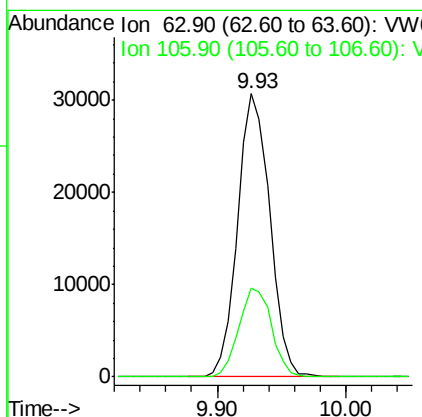
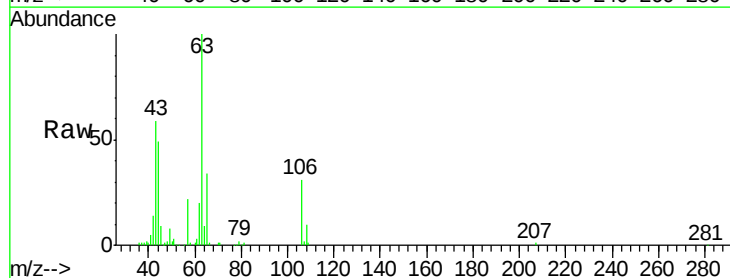
Manual Integrations  
 APPROVED

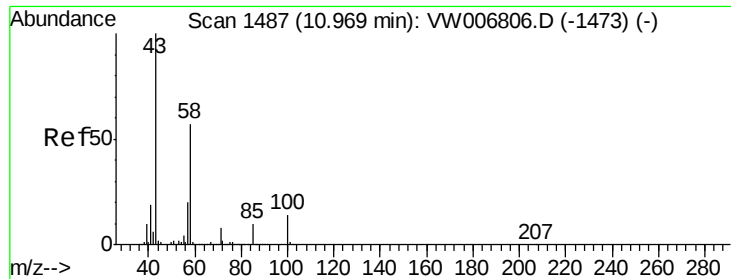
apatel  
 11/13/2018 11:53:34 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 45.888 ug/l  
 RT: 9.93 min Scan# 1316  
 Delta R.T. -0.00 min  
 Lab File: VW006804.D  
 Acq: 12 Nov 2018 12:50

Tgt Ion: 63 Resp: 53066  
 Ion Ratio Lower Upper  
 63 100  
 106 31.8 25.4 38.0





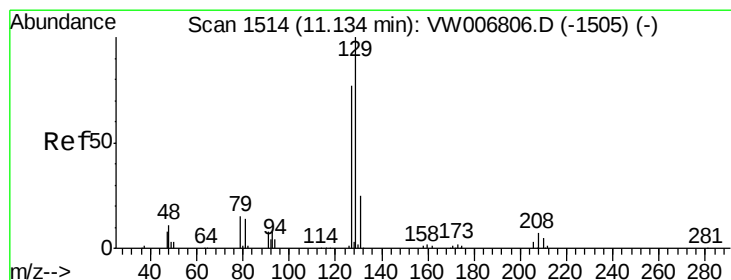
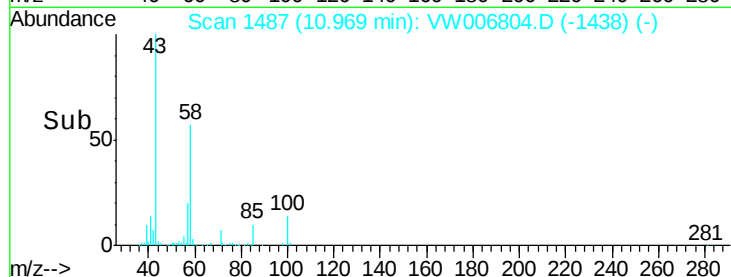
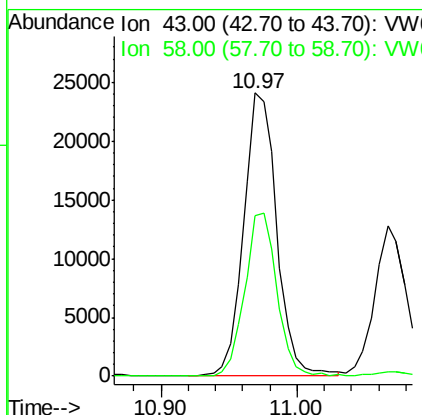
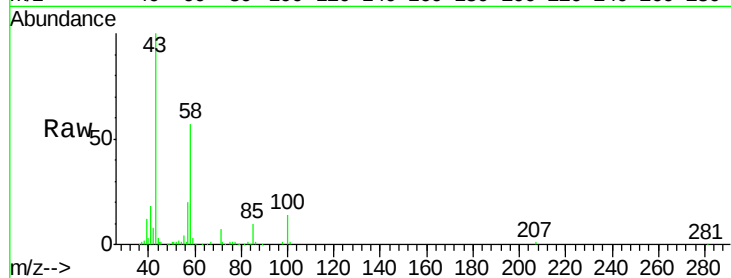
#59  
2-Hexanone  
Concen: 46.162 ug/l  
RT: 10.97 min Scan# 1487  
Delta R.T. -0.00 min  
Lab File: VW006804.D  
Acq: 12 Nov 2018 12:50

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC010

Tgt Ion: 43 Resp: 41022  
Ion Ratio Lower Upper  
43 100  
58 56.1 28.7 86.1

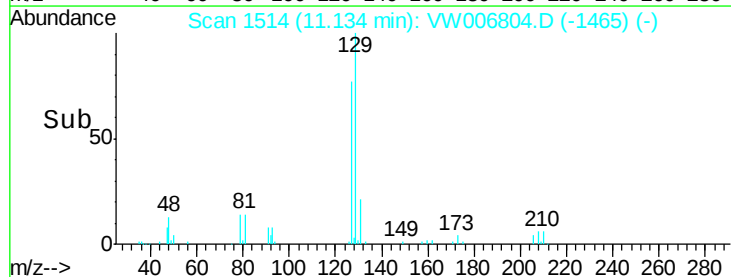
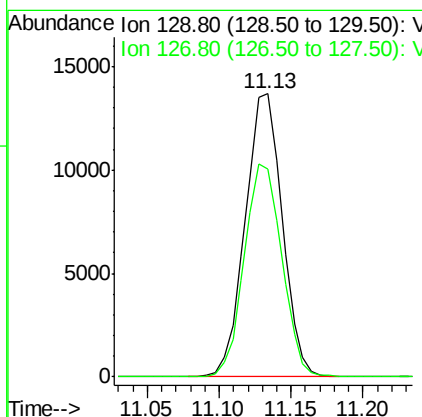
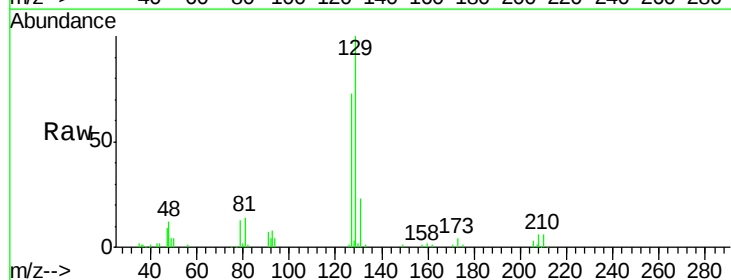
Manual Integrations  
APPROVED

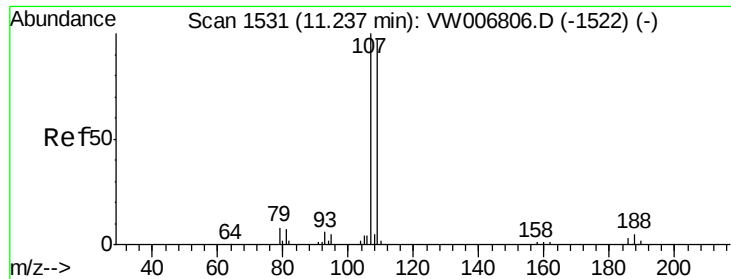
apatel  
11/13/2018 11:53:34 AM



#60  
Dibromochloromethane  
Concen: 9.644 ug/l  
RT: 11.13 min Scan# 1514  
Delta R.T. -0.00 min  
Lab File: VW006804.D  
Acq: 12 Nov 2018 12:50

Tgt Ion: 129 Resp: 24377  
Ion Ratio Lower Upper  
129 100  
127 76.1 38.7 116.1





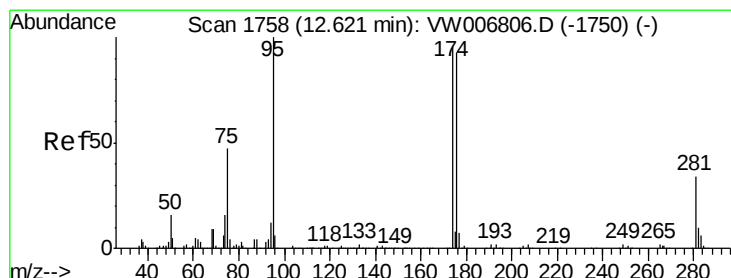
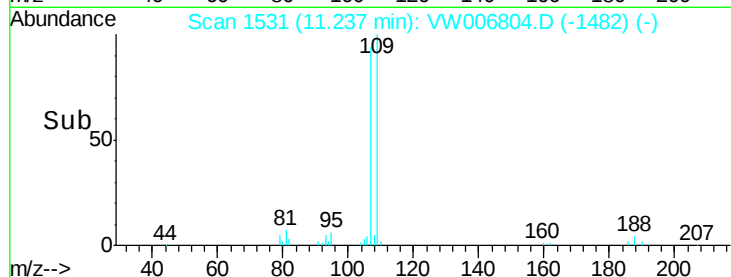
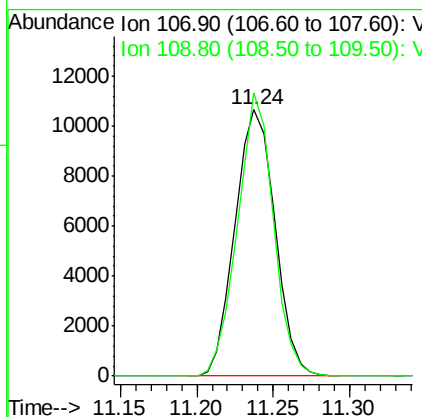
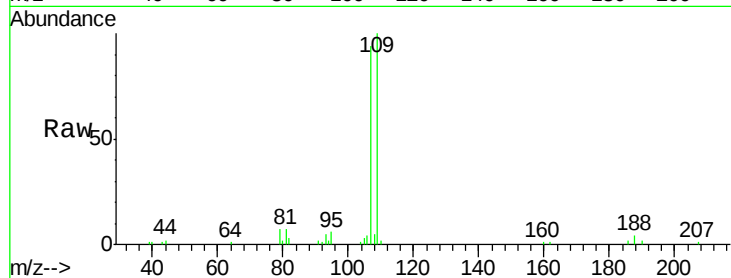
#61  
 1,2-Dibromoethane  
 Concen: 9.569 ug/l  
 RT: 11.24 min Scan# 1531  
 Delta R.T. -0.00 min  
 Lab File: VW006804.D  
 Acq: 12 Nov 2018 12:50

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC010

Tgt Ion: 107 Resp: 19360  
 Ion Ratio Lower Upper  
 107 100  
 109 95.4 76.7 115.1

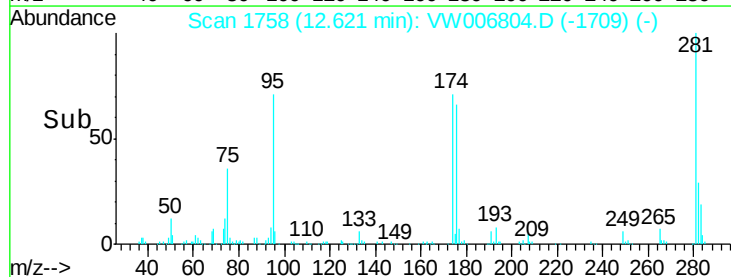
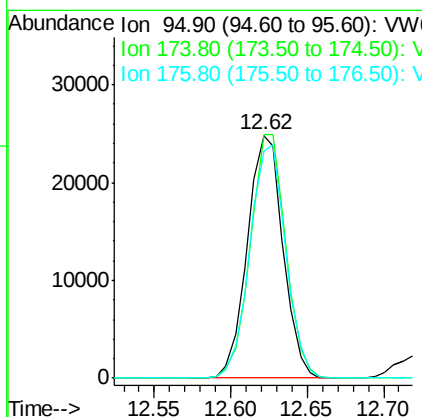
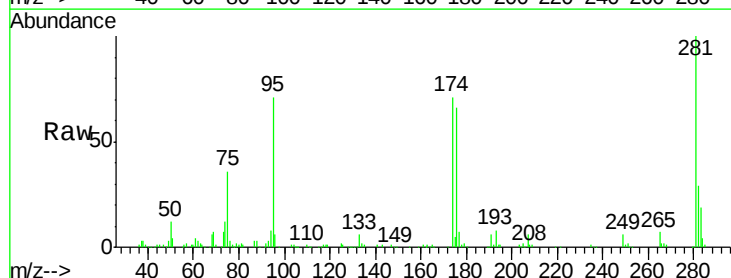
Manual Integrations  
 APPROVED

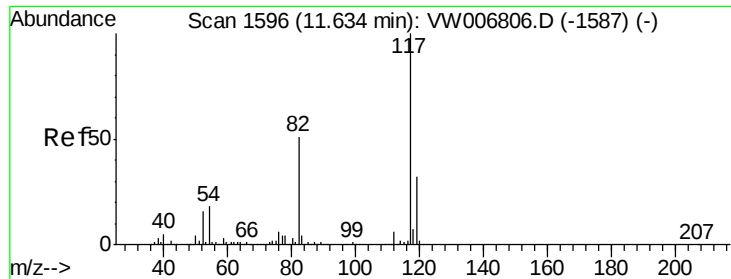
apatel  
 11/13/2018 11:53:34 AM



#62  
 4-Bromofluorobenzene  
 Concen: 10.901 ug/l  
 RT: 12.62 min Scan# 1758  
 Delta R.T. -0.00 min  
 Lab File: VW006804.D  
 Acq: 12 Nov 2018 12:50

Tgt Ion: 95 Resp: 40178  
 Ion Ratio Lower Upper  
 95 100  
 174 99.5 0.0 196.6  
 176 97.4 0.0 191.6





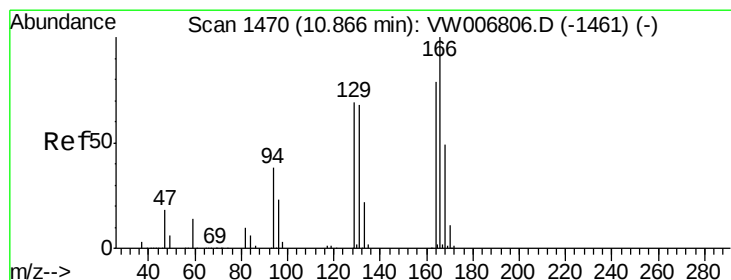
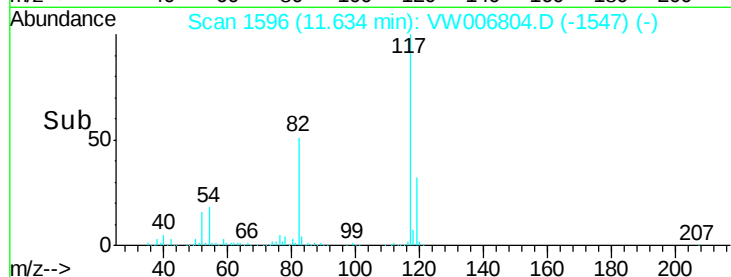
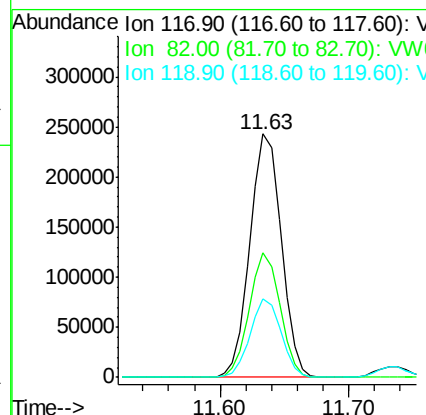
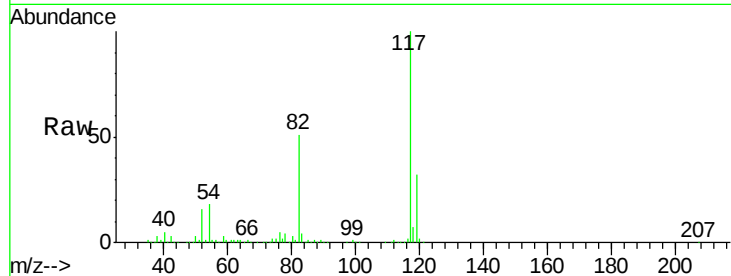
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW006804.D  
Acq: 12 Nov 2018 12:50

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC010

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 408800 |       |       |
| 82      | 51.3  | 40.6   | 61.0  |       |
| 119     | 32.0  | 25.5   | 38.3  |       |

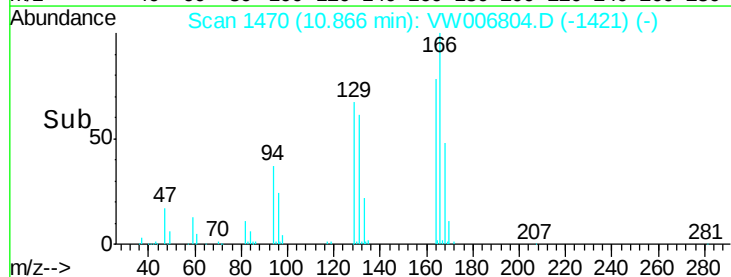
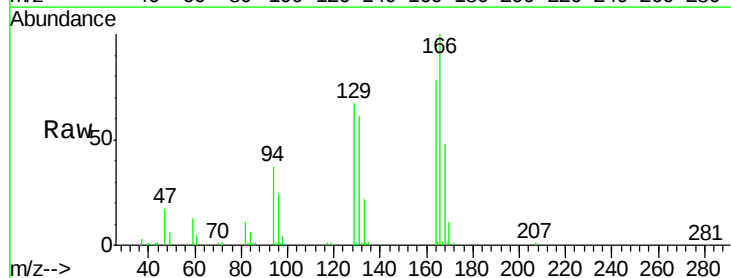
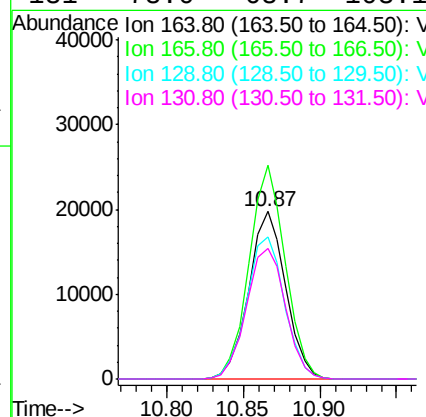
Manual Integrations  
APPROVED

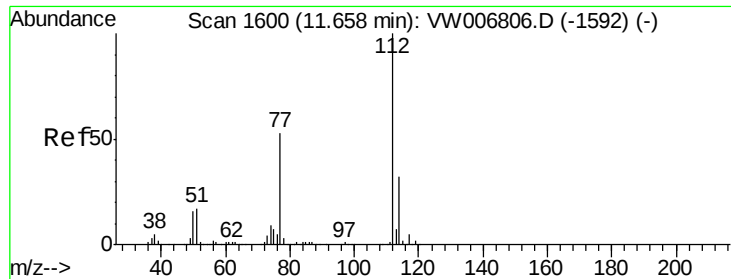
apatel  
11/13/2018 11:53:34 AM



#64  
Tetrachloroethene  
Concen: 10.598 ug/l  
RT: 10.87 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: VW006804.D  
Acq: 12 Nov 2018 12:50

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 33084 |       |       |
| 166     | 127.5 | 101.3 | 151.9 |       |
| 129     | 85.1  | 69.6  | 104.4 |       |
| 131     | 78.0  | 68.7  | 103.1 |       |





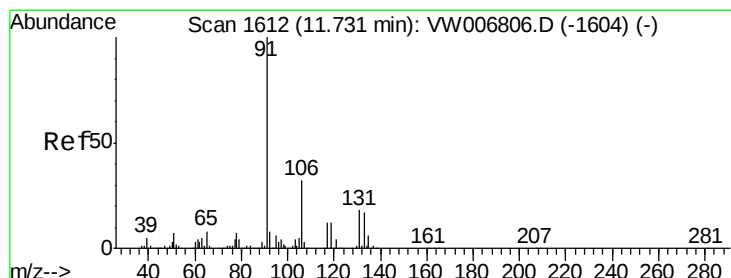
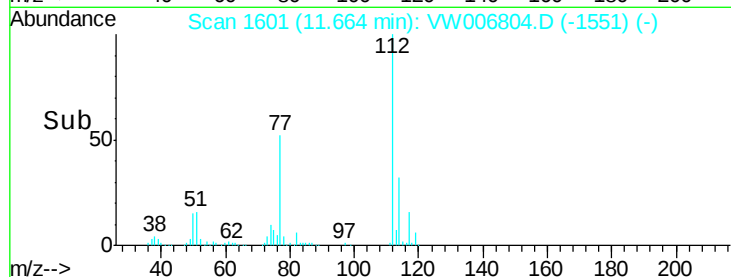
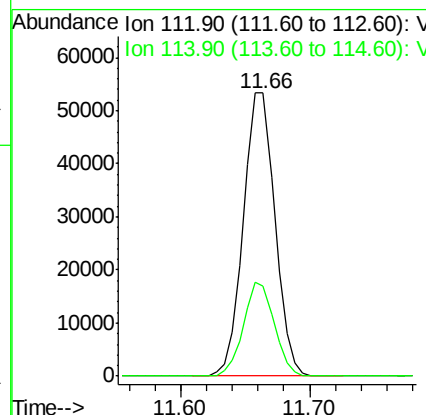
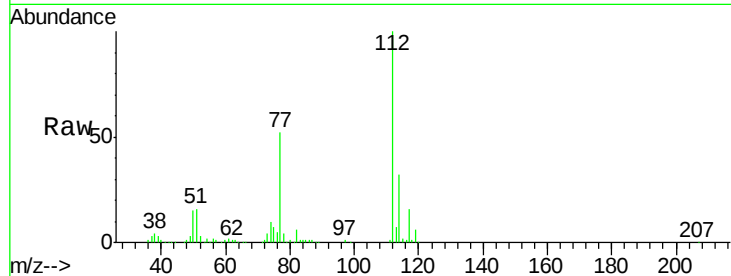
#65  
Chlorobenzene  
Concen: 10.408 ug/l  
RT: 11.66 min Scan# 1601  
Delta R.T. 0.01 min  
Lab File: VW006804.D  
Acq: 12 Nov 2018 12:50

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC010

Tgt Ion:112 Resp: 90566  
Ion Ratio Lower Upper  
112 100  
114 31.8 26.0 39.0

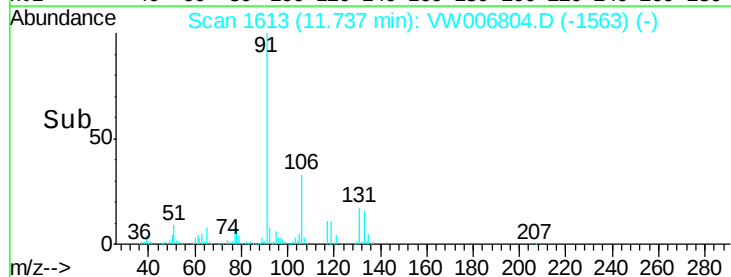
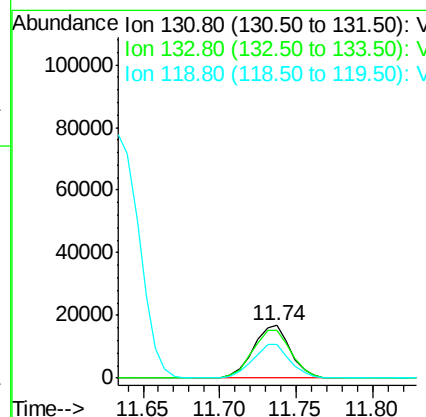
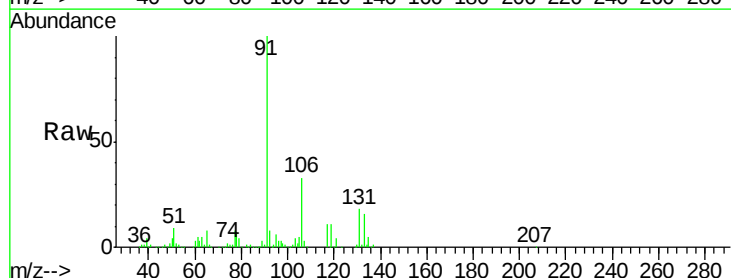
Manual Integrations  
APPROVED

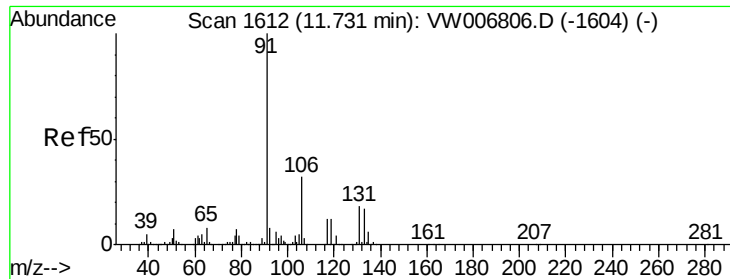
apatel  
11/13/2018 11:53:34 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 10.116 ug/l  
RT: 11.74 min Scan# 1613  
Delta R.T. 0.01 min  
Lab File: VW006804.D  
Acq: 12 Nov 2018 12:50

Tgt Ion:131 Resp: 28198  
Ion Ratio Lower Upper  
131 100  
133 95.2 47.9 143.8  
119 64.7 32.4 97.2





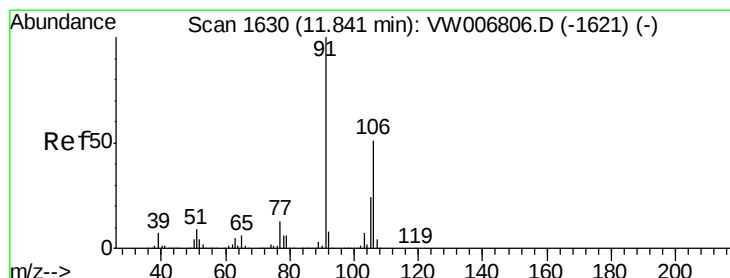
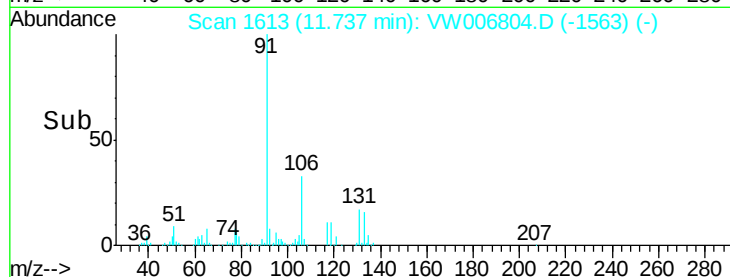
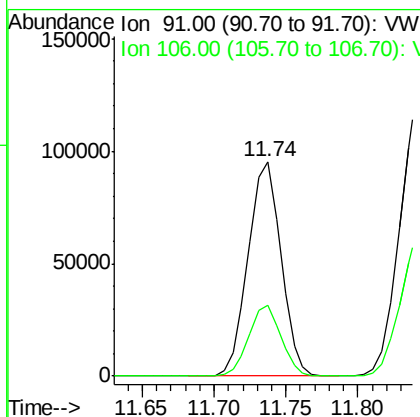
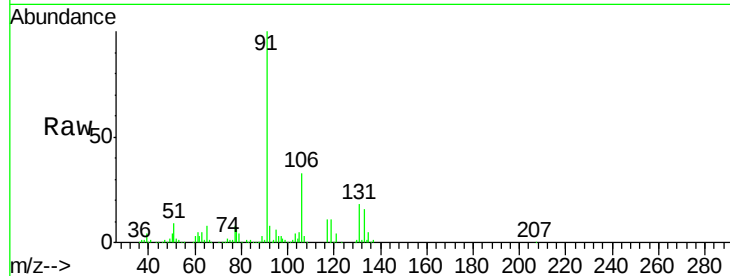
#67  
Ethyl Benzene  
Concen: 10.311 ug/l  
RT: 11.74 min Scan# 1613  
Delta R.T. 0.01 min  
Lab File: VW006804.D  
Acq: 12 Nov 2018 12:50

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC010

Tgt Ion: 91 Resp: 150941  
Ion Ratio Lower Upper  
91 100  
106 32.8 25.4 38.0

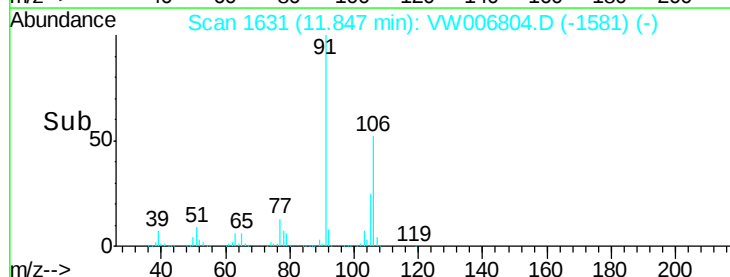
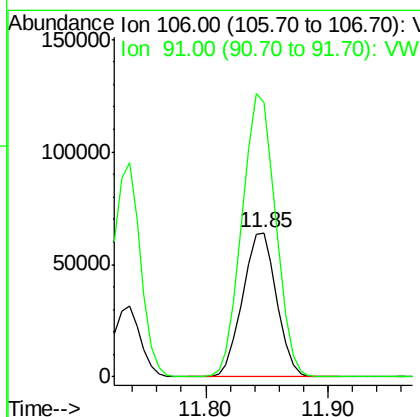
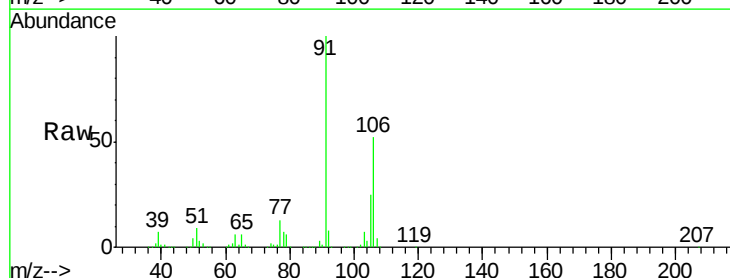
Manual Integrations  
APPROVED

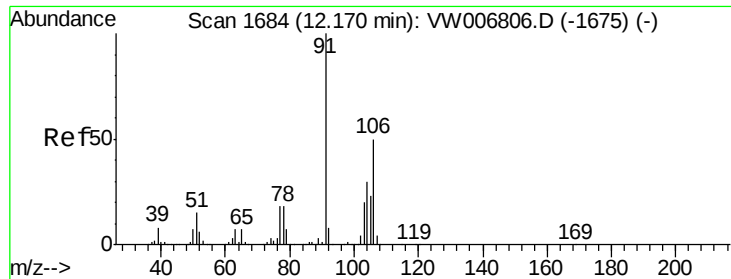
apatel  
11/13/2018 11:53:34 AM



#68  
m/p-Xylenes  
Concen: 20.668 ug/l  
RT: 11.85 min Scan# 1631  
Delta R.T. 0.01 min  
Lab File: VW006804.D  
Acq: 12 Nov 2018 12:50

Tgt Ion: 106 Resp: 123404  
Ion Ratio Lower Upper  
106 100  
91 195.2 155.7 233.5





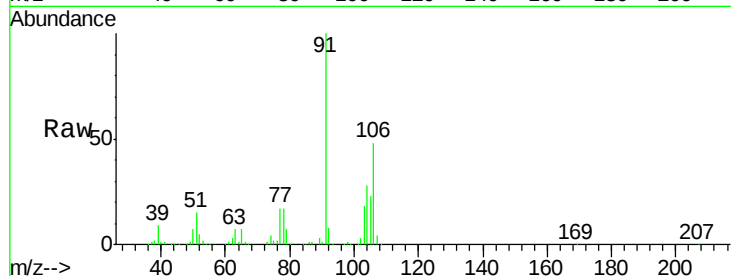
#69  
o-Xylene  
Concen: 10.229 ug/l  
RT: 12.17 min Scan# 1684  
Delta R.T. -0.00 min  
Lab File: VW006804.D  
Acq: 12 Nov 2018 12:50

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC010

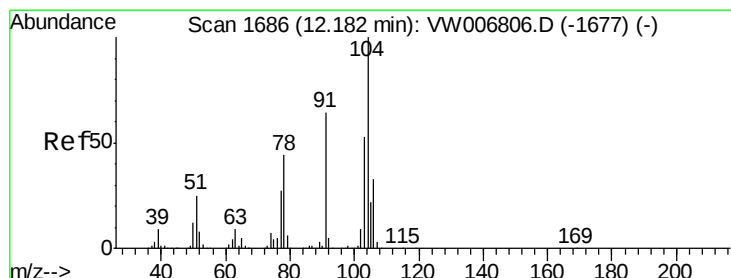
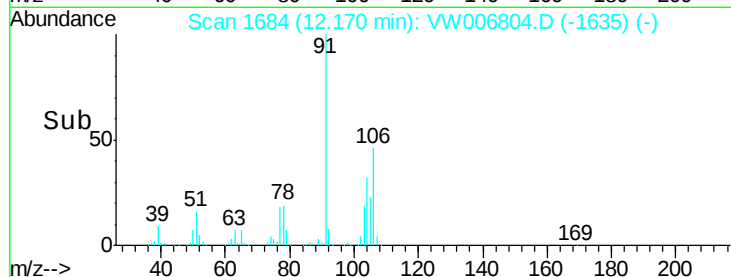
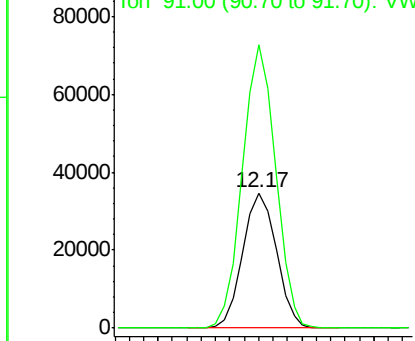
Tgt Ion:106 Resp: 56229  
Ion Ratio Lower Upper  
106 100  
91 207.1 101.9 305.7

Manual Integrations  
APPROVED

apatel  
11/13/2018 11:53:34 AM

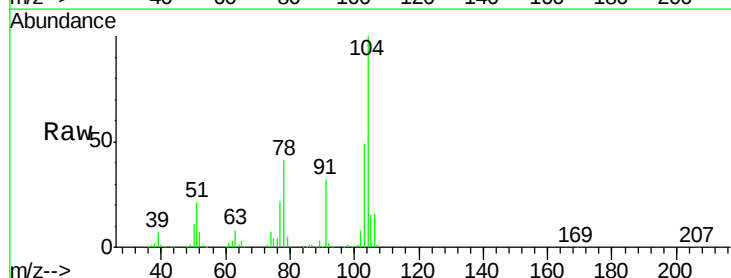


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VW

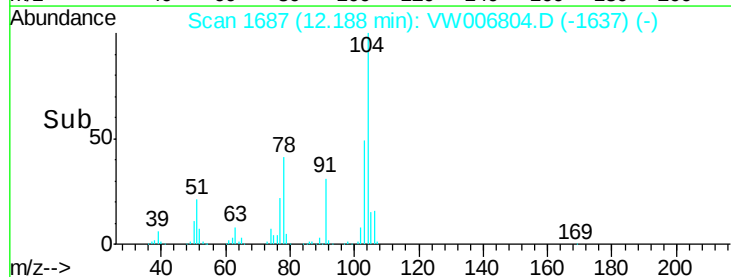
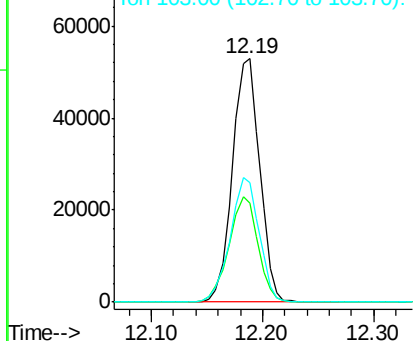


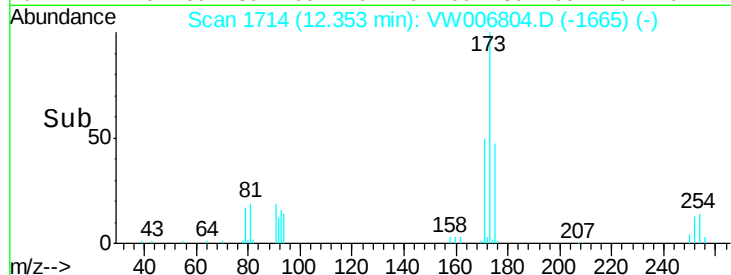
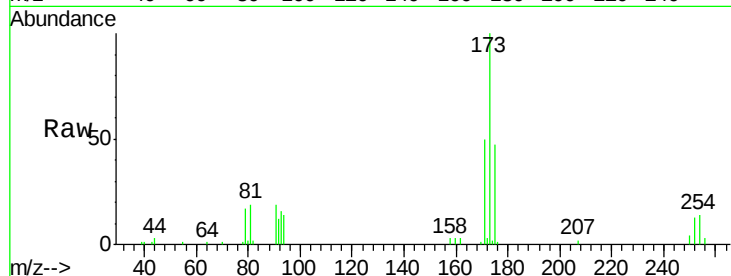
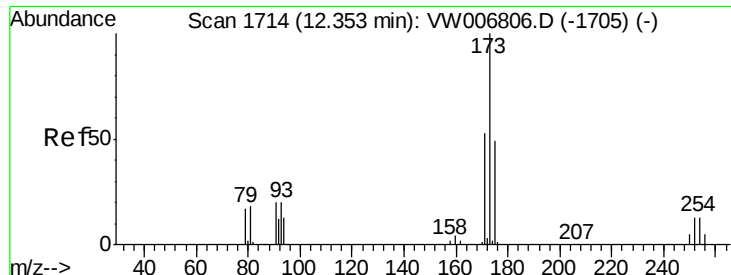
#70  
Styrene  
Concen: 10.058 ug/l  
RT: 12.19 min Scan# 1687  
Delta R.T. 0.01 min  
Lab File: VW006804.D  
Acq: 12 Nov 2018 12:50

Tgt Ion:104 Resp: 89870  
Ion Ratio Lower Upper  
104 100  
78 46.2 37.3 55.9  
103 54.3 44.6 66.8



Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): VW  
Ion 103.00 (102.70 to 103.70): V





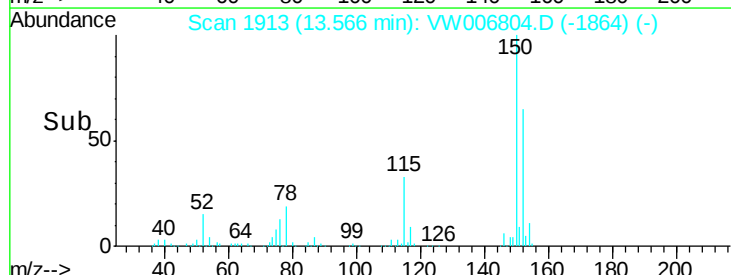
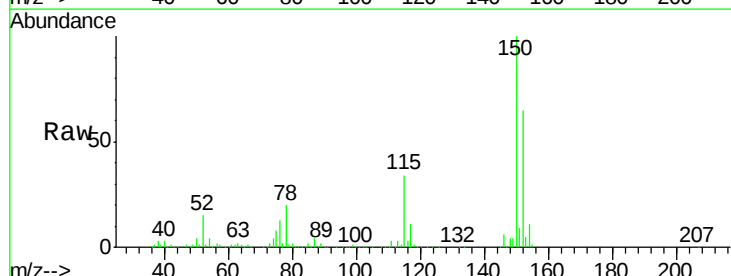
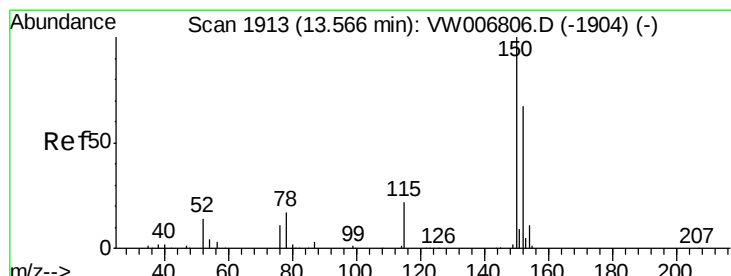
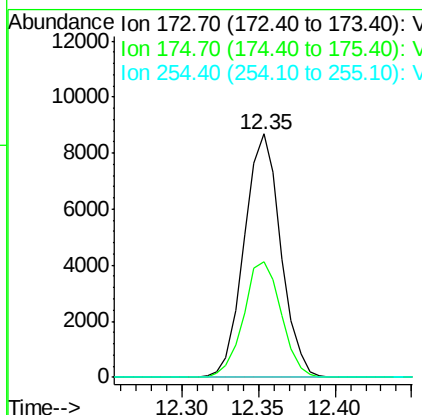
#71  
Bromoform  
Concen: 9.341 ug/l  
RT: 12.35 min Scan# 1714  
Delta R.T. -0.00 min  
Lab File: VW006804.D  
Acq: 12 Nov 2018 12:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.5  | 24.4  | 73.4  |
| 254     | 0.0   | 0.1   | 0.1   |

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC010

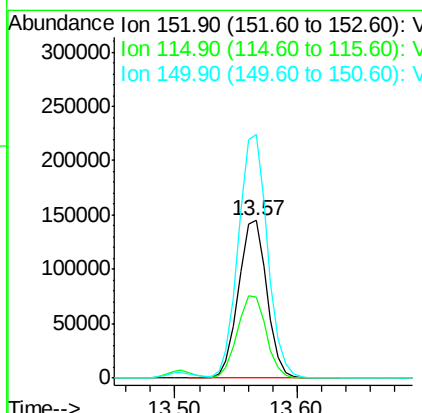
Manual Integrations  
APPROVED

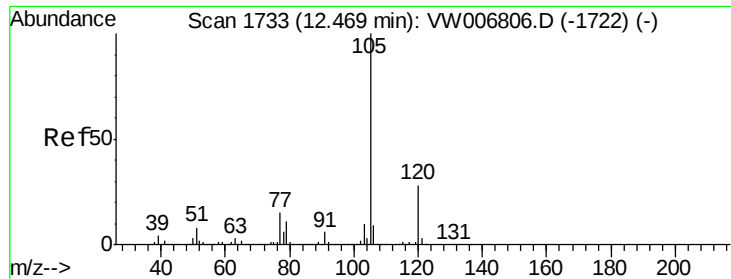
apatel  
11/13/2018 11:53:34 AM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.57 min Scan# 1913  
Delta R.T. -0.00 min  
Lab File: VW006804.D  
Acq: 12 Nov 2018 12:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 53.4  | 27.3  | 81.8  |
| 150     | 159.9 | 0.0   | 353.0 |





#73

Isopropylbenzene

Concen: 10.455 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006804.D

Acq: 12 Nov 2018 12:50

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC010

Tgt Ion: 105 Resp: 155574

Ion Ratio Lower Upper

105 100

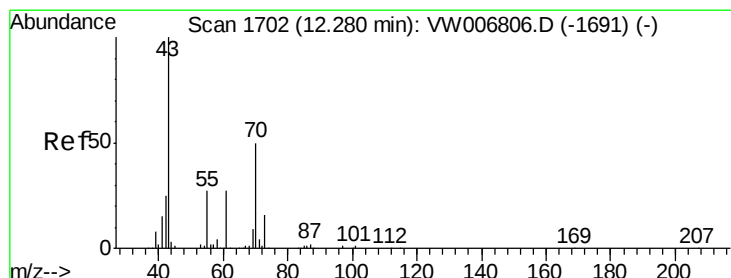
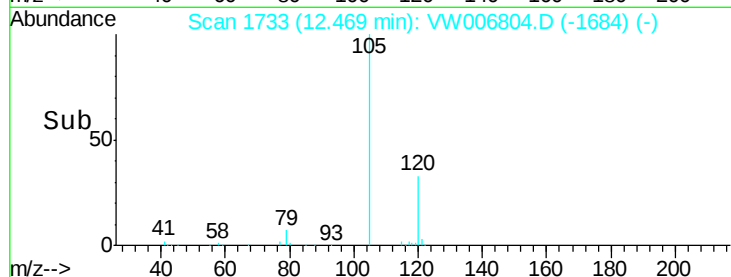
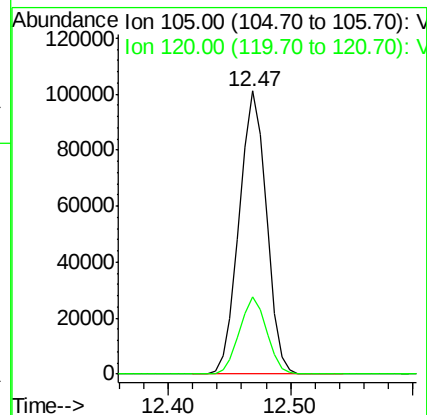
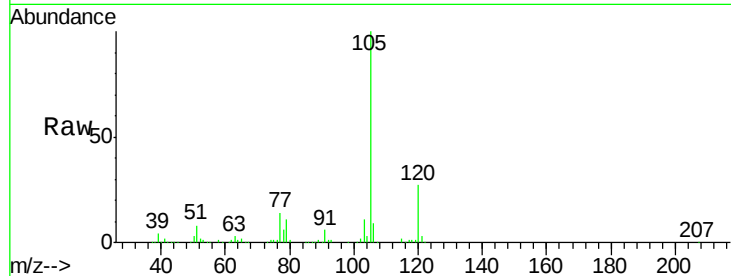
120 27.3 14.0 42.0

Manual Integrations

APPROVED

apatel

11/13/2018 11:53:34 AM



#74

N-ethyl acetate

Concen: 9.098 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.01 min

Lab File: VW006804.D

Acq: 12 Nov 2018 12:50

Tgt Ion: 43 Resp: 22065

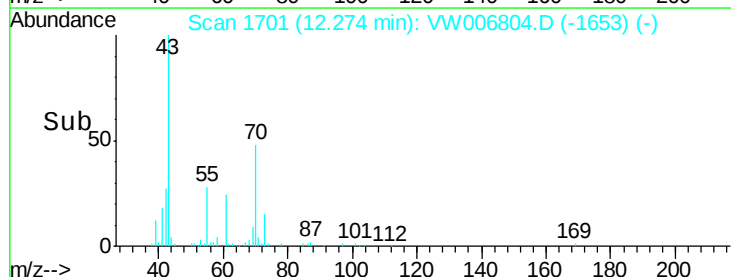
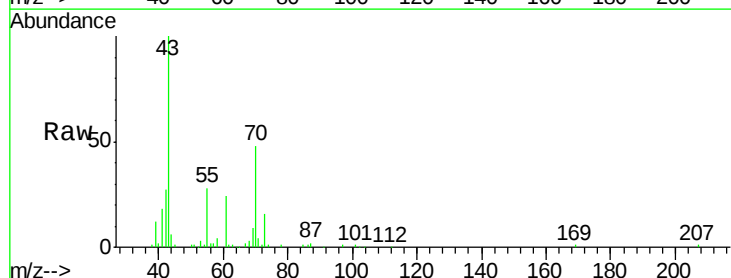
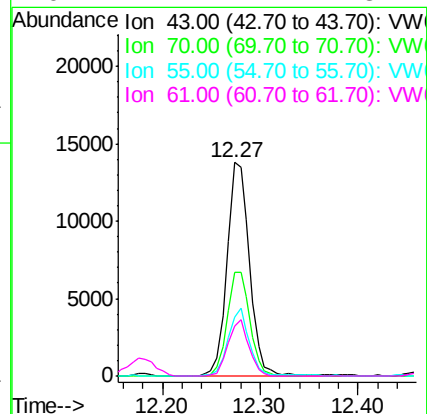
Ion Ratio Lower Upper

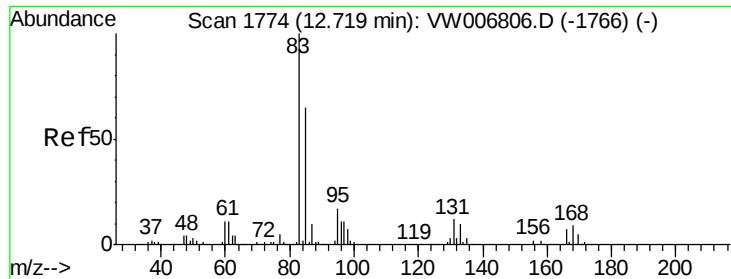
43 100

70 48.6 39.0 58.4

55 29.5 22.1 33.1

61 24.4 21.1 31.7





#75

1,1,2,2-Tetrachloroethane

Concen: 9.544 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006804.D

Acq: 12 Nov 2018 12:50

Instrument :

MSVOA\_W

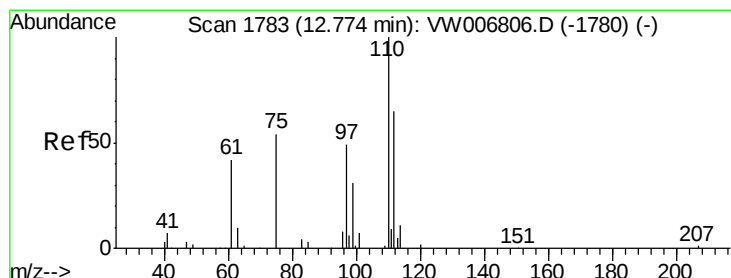
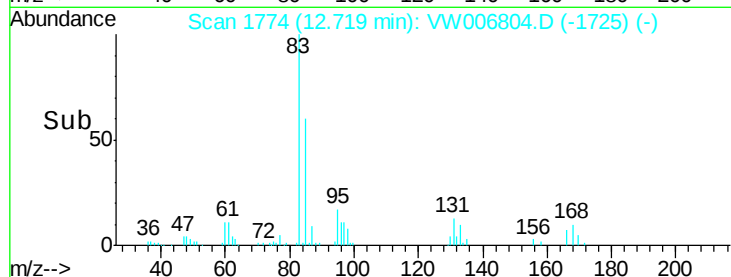
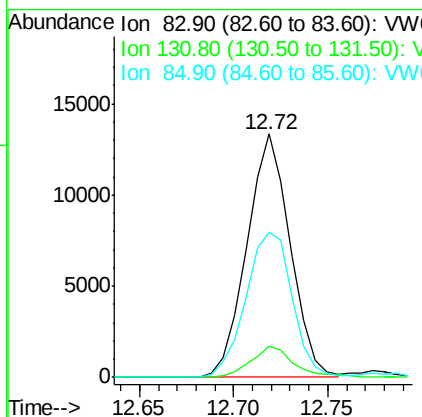
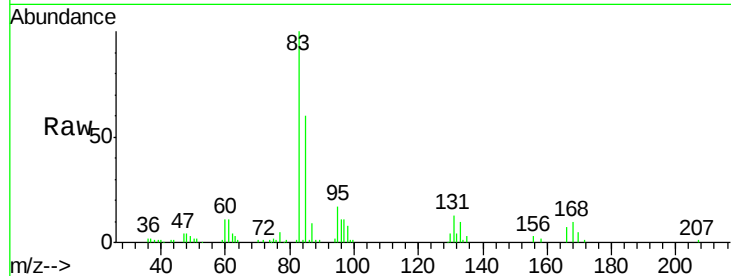
ClientSampleId :

VSTDIC010

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 21158 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 12.7  | 6.1   | 18.3  |
| 85        | 64.2  | 32.4  | 97.0  |

Manual Integrations  
APPROVED

apatel  
11/13/2018 11:53:34 AM



#76

1,2,3-Trichloropropane

Concen: 9.830 ug/l m

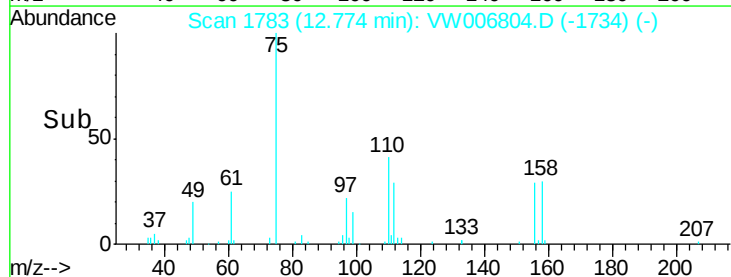
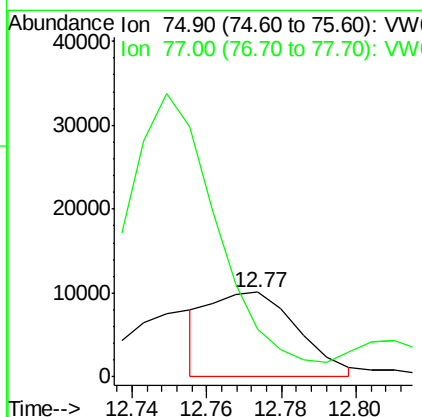
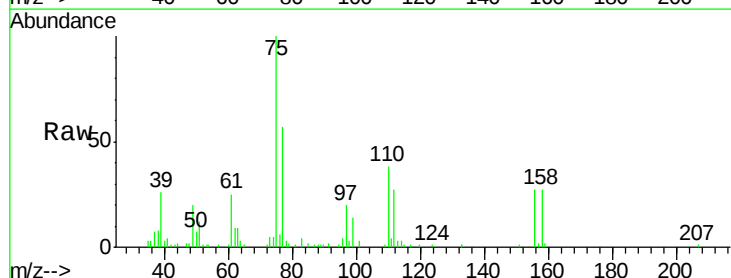
RT: 12.77 min Scan# 1783

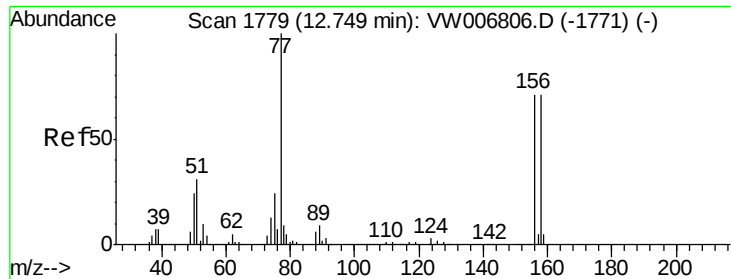
Delta R.T. -0.00 min

Lab File: VW006804.D

Acq: 12 Nov 2018 12:50

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 16578 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 10.259 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW006804.D

Acq: 12 Nov 2018 12:50

Instrument :

MSVOA\_W

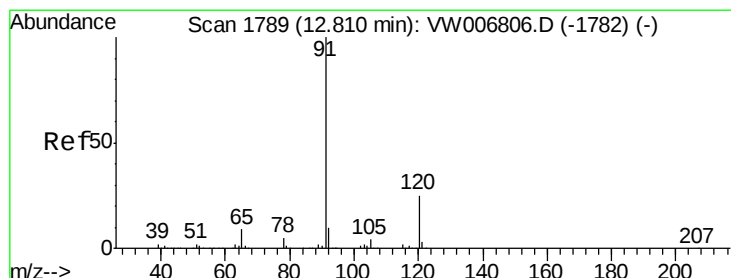
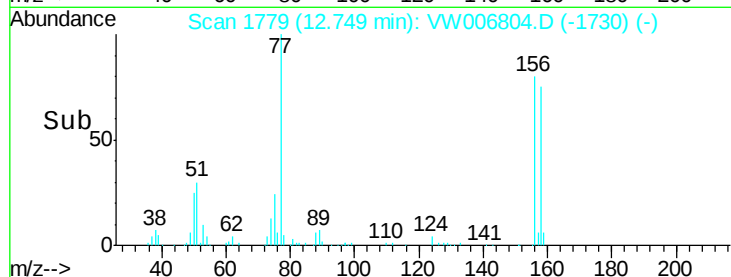
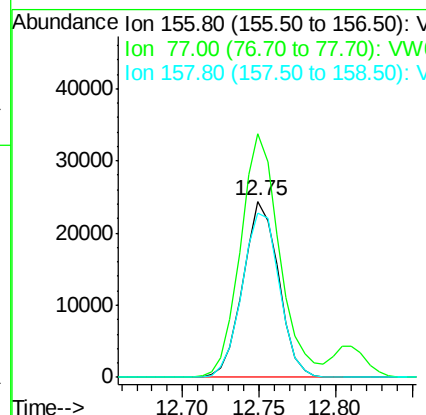
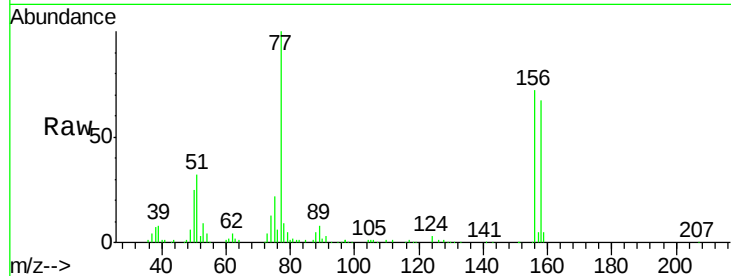
ClientSampleId :

VSTDIC010

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 152.1 | 75.3  | 225.7 |
| 158     | 98.0  | 49.2  | 147.6 |

Manual Integrations  
APPROVED

apatel  
11/13/2018 11:53:34 AM



#78

n-propylbenzene

Concen: 10.296 ug/l

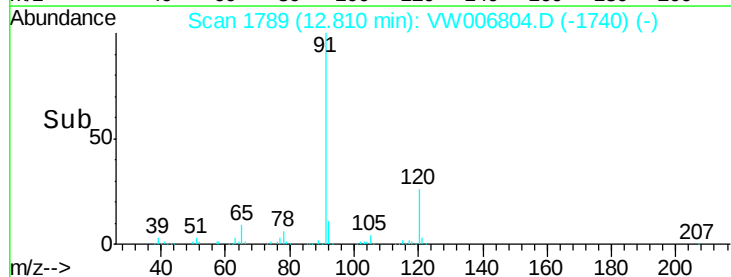
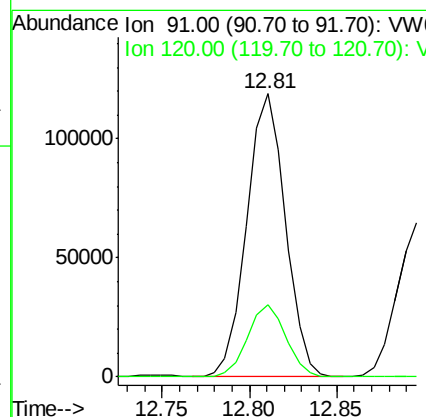
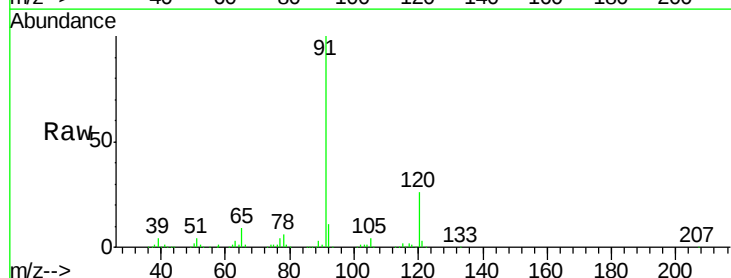
RT: 12.81 min Scan# 1789

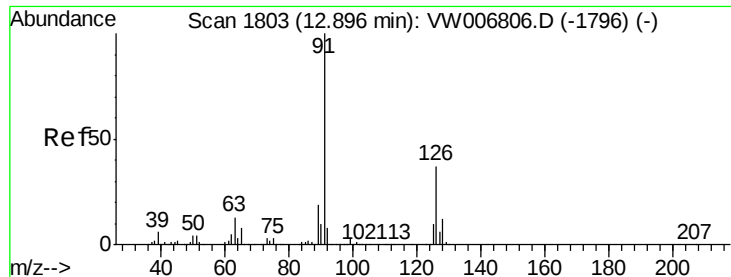
Delta R.T. -0.00 min

Lab File: VW006804.D

Acq: 12 Nov 2018 12:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 25.5  | 12.4  | 37.4  |





#79

2-Chlorotoluene

Concen: 10.535 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW006804.D

Acq: 12 Nov 2018 12:50

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC010

Tgt Ion: 91 Resp: 104931

Ion Ratio Lower Upper

91 100

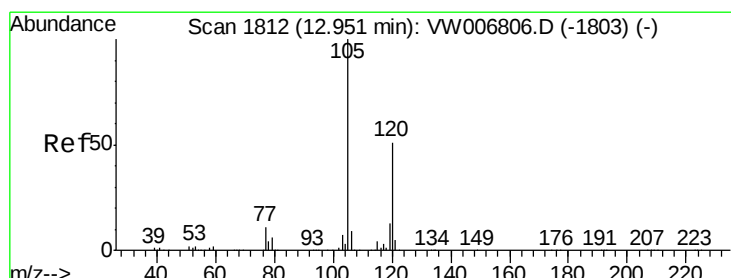
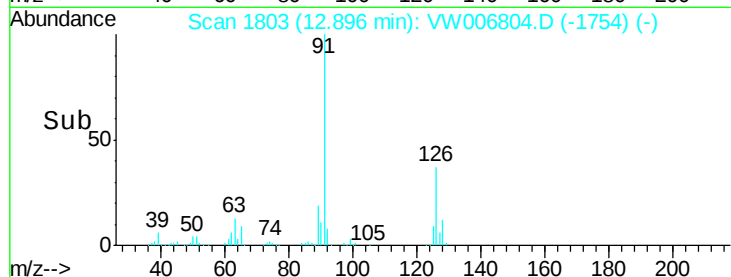
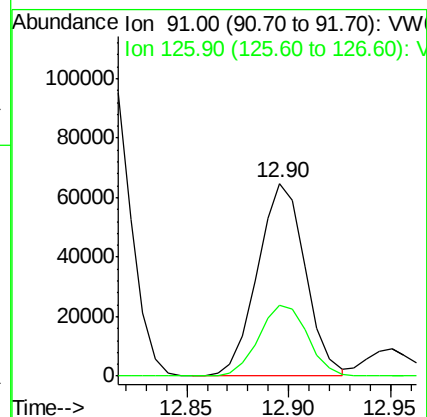
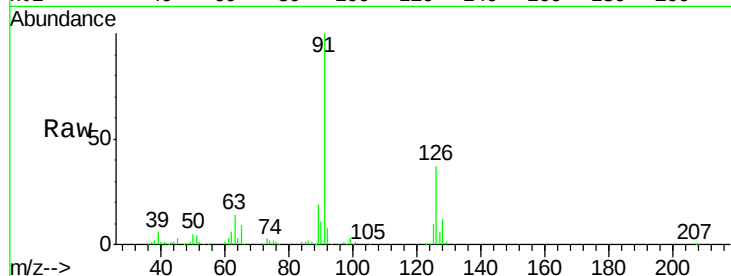
126 37.6 18.5 55.5

Manual Integrations

APPROVED

apatel

11/13/2018 11:53:34 AM



#80

1,3,5-Trimethylbenzene

Concen: 10.466 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW006804.D

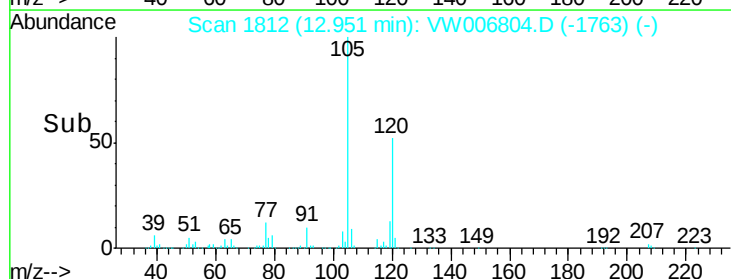
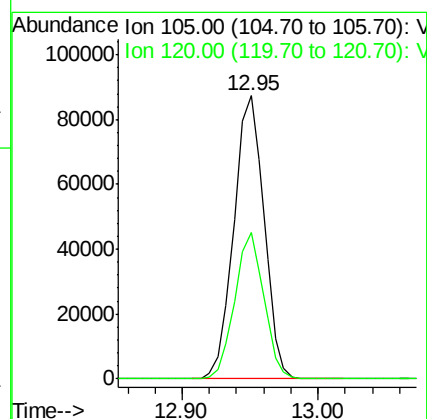
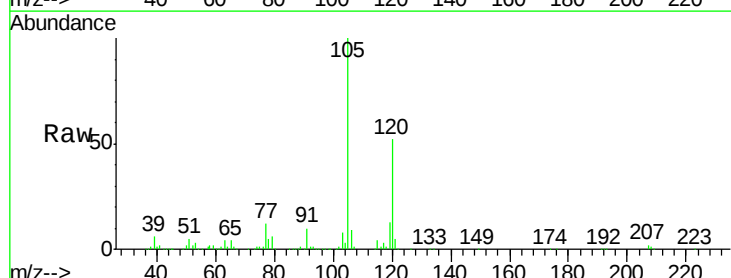
Acq: 12 Nov 2018 12:50

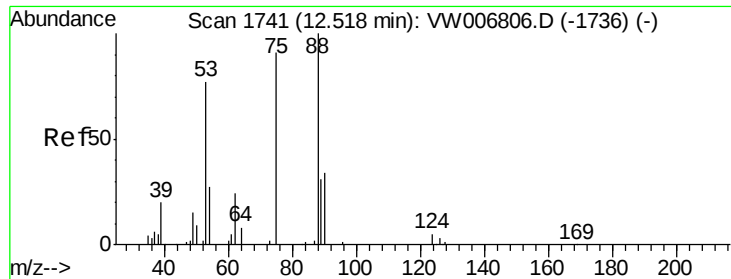
Tgt Ion: 105 Resp: 134931

Ion Ratio Lower Upper

105 100

120 50.0 25.3 75.9





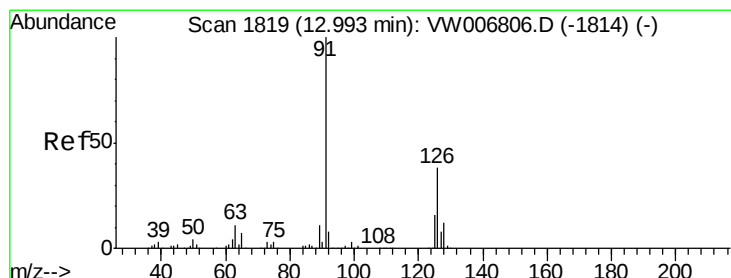
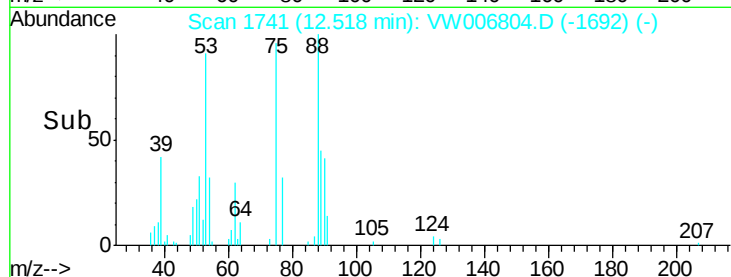
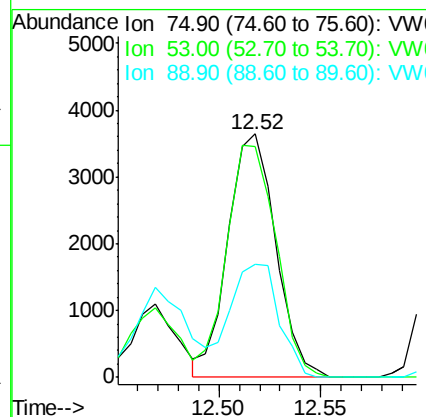
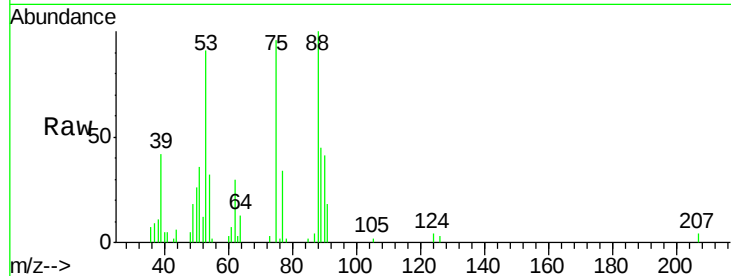
#81  
trans-1,4-Dichloro-2-butene  
Concen: 9.328 ug/l  
RT: 12.52 min Scan# 1741  
Delta R.T. -0.00 min  
Lab File: VW006804.D  
Acq: 12 Nov 2018 12:50

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC010

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 98.9  | 72.9  | 109.3 |
| 89      | 48.1  | 38.7  | 58.1  |

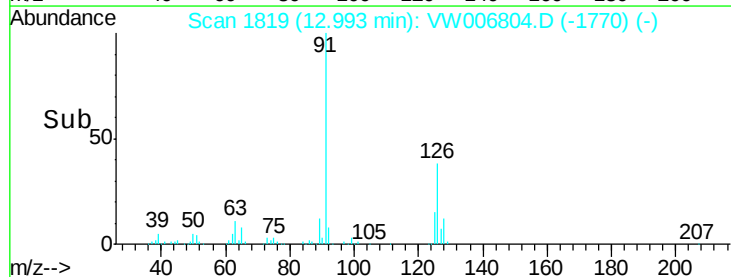
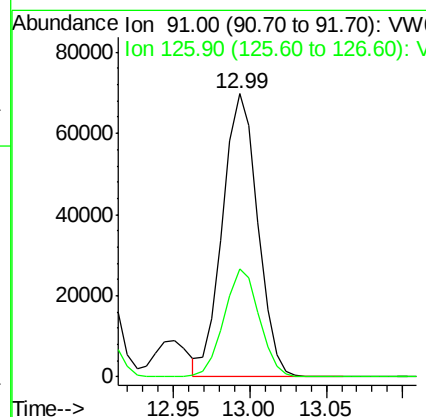
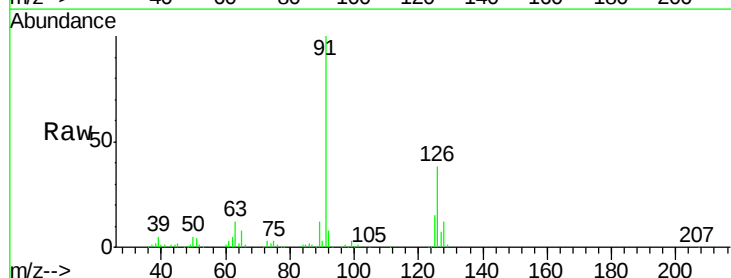
Manual Integrations  
APPROVED

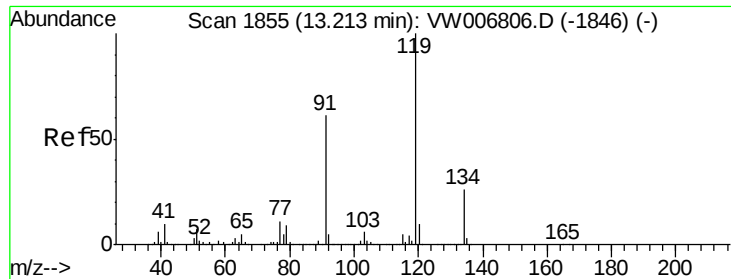
apatel  
11/13/2018 11:53:34 AM



#82  
4-Chlorotoluene  
Concen: 10.452 ug/l  
RT: 12.99 min Scan# 1819  
Delta R.T. -0.00 min  
Lab File: VW006804.D  
Acq: 12 Nov 2018 12:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 38.1  | 18.4  | 55.2  |





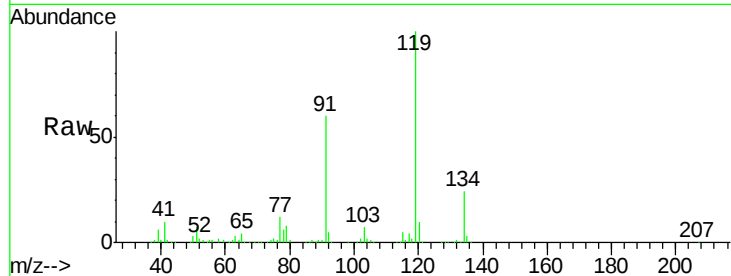
#83  
 tert-Butylbenzene  
 Concen: 10.586 ug/l  
 RT: 13.21 min Scan# 1855  
 Delta R.T. -0.00 min  
 Lab File: VW006804.D  
 Acq: 12 Nov 2018 12:50

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC010

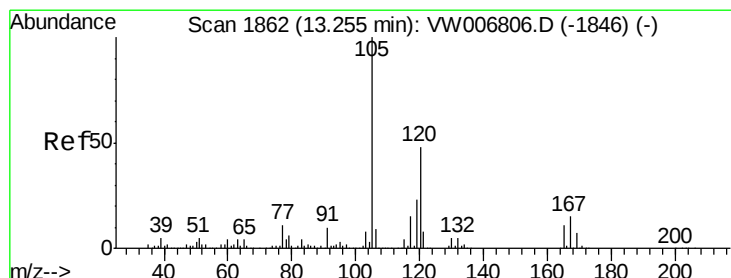
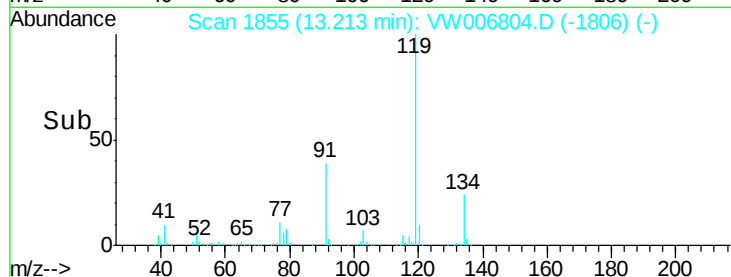
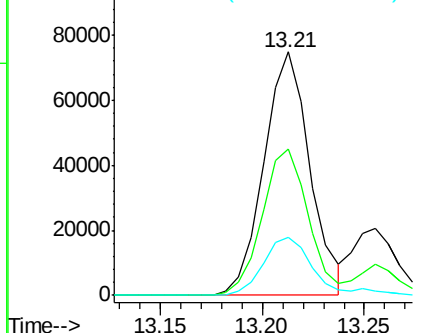
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 117932 |       |       |
| 91      | 60.1  | 30.0   | 90.1  |       |
| 134     | 24.8  | 13.4   | 40.2  |       |

Manual Integrations  
 APPROVED

apatel  
 11/13/2018 11:53:34 AM

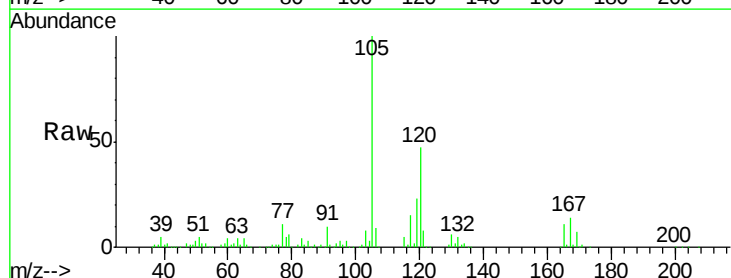


Abundance Ion 119.00 (118.70 to 119.70): V  
 Ion 91.00 (90.70 to 91.70): V  
 Ion 134.00 (133.70 to 134.70): V

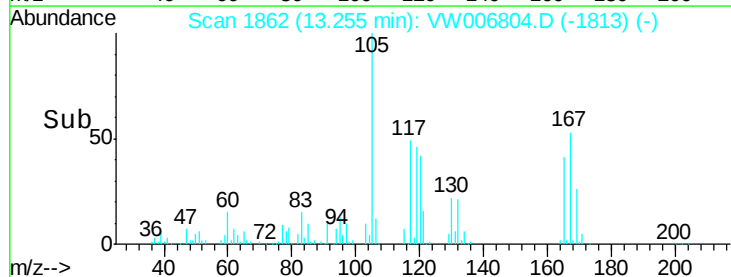
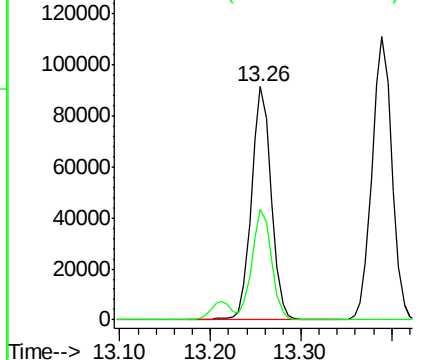


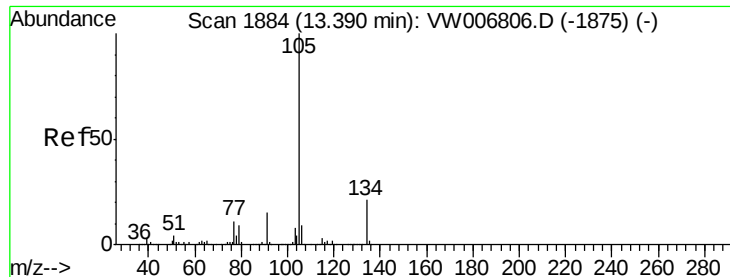
#84  
 1,2,4-Trimethylbenzene  
 Concen: 10.400 ug/l  
 RT: 13.26 min Scan# 1862  
 Delta R.T. -0.00 min  
 Lab File: VW006804.D  
 Acq: 12 Nov 2018 12:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 137373 |       |       |
| 120     | 46.5  | 23.4   | 70.0  |       |



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





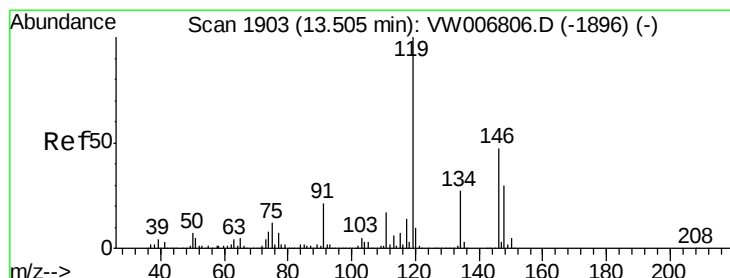
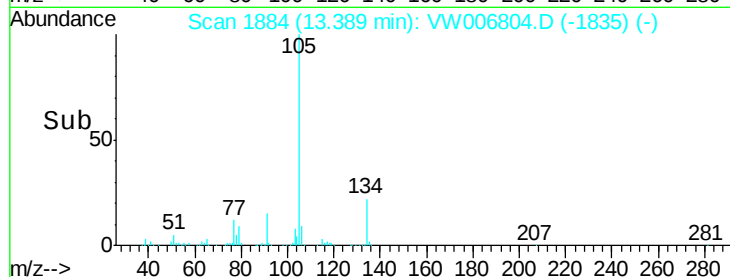
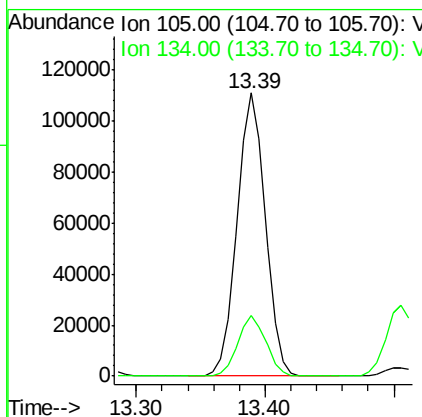
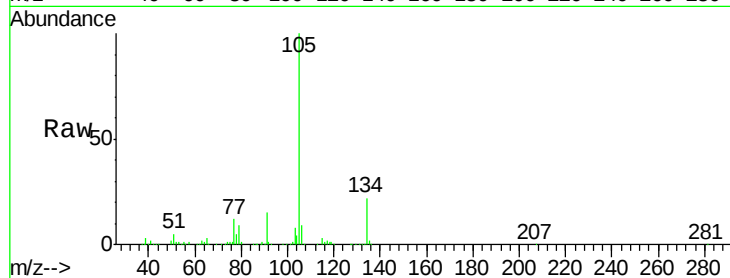
#85  
 sec-Butylbenzene  
 Concen: 10.576 ug/l  
 RT: 13.39 min Scan# 1884  
 Delta R.T. -0.00 min  
 Lab File: VW006804.D  
 Acq: 12 Nov 2018 12:50

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC010

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 21.3  | 10.7  | 31.9  |

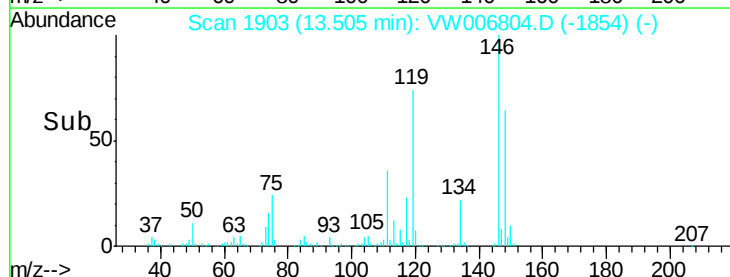
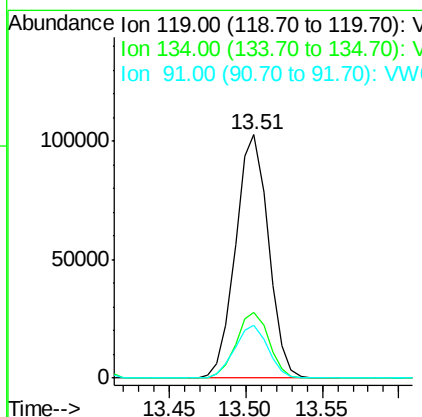
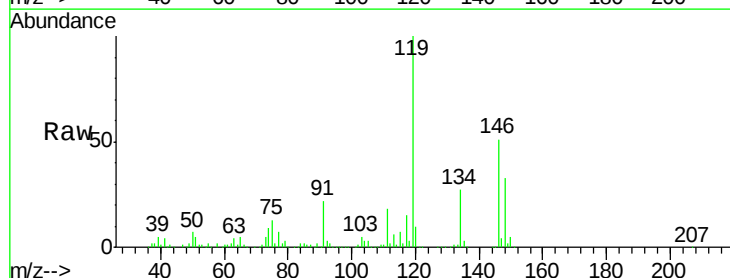
Manual Integrations  
 APPROVED

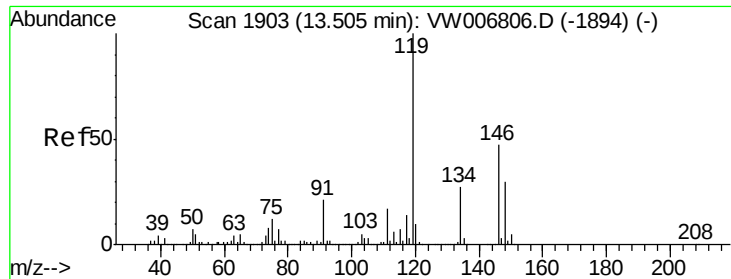
apatel  
 11/13/2018 11:53:34 AM



#86  
 p-Isopropyltoluene  
 Concen: 10.542 ug/l  
 RT: 13.51 min Scan# 1903  
 Delta R.T. -0.00 min  
 Lab File: VW006804.D  
 Acq: 12 Nov 2018 12:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 27.2  | 13.5  | 40.4  |
| 91      | 22.1  | 10.8  | 32.4  |





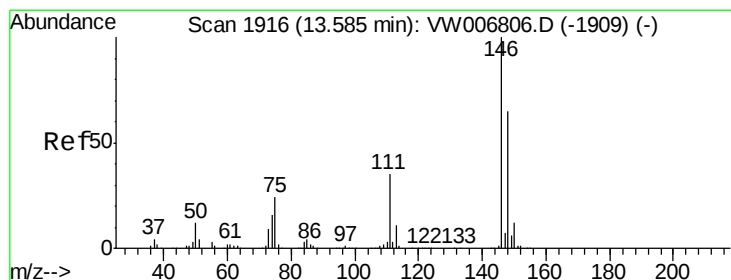
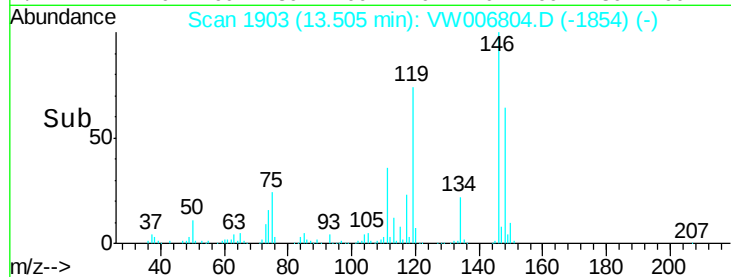
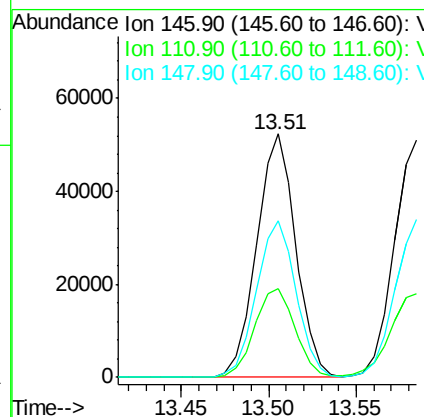
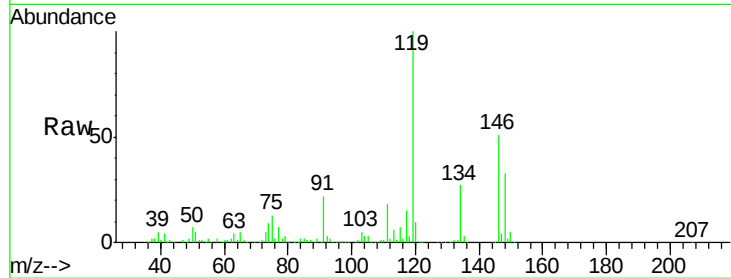
#87  
 1,3-Dichlorobenzene  
 Concen: 10.473 ug/l  
 RT: 13.51 min Scan# 1903  
 Delta R.T. -0.00 min  
 Lab File: VW006804.D  
 Acq: 12 Nov 2018 12:50

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC010

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.9  | 18.3  | 54.9  |
| 148     | 65.1  | 31.9  | 95.9  |

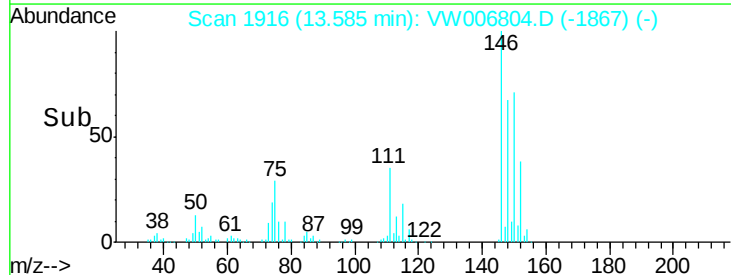
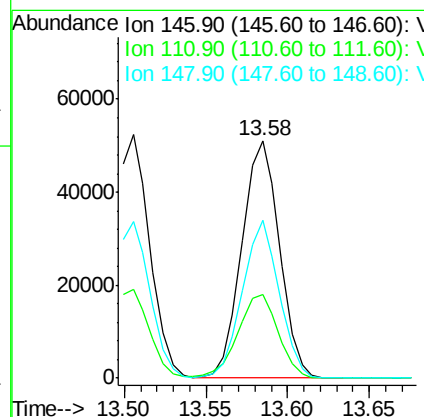
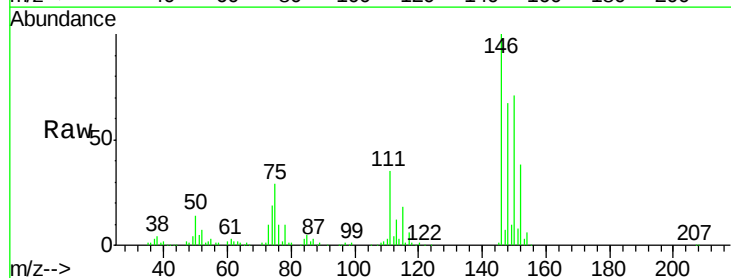
Manual Integrations  
 APPROVED

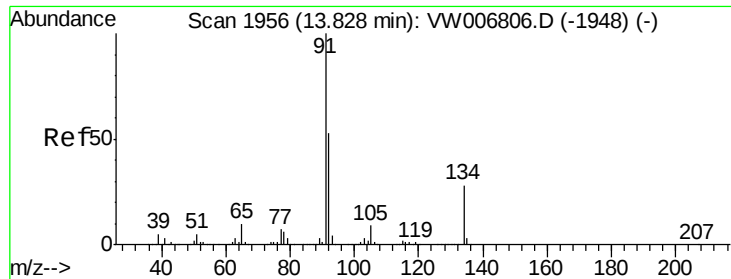
apatel  
 11/13/2018 11:53:34 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 10.565 ug/l  
 RT: 13.58 min Scan# 1916  
 Delta R.T. -0.00 min  
 Lab File: VW006804.D  
 Acq: 12 Nov 2018 12:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.9  | 17.8  | 53.3  |
| 148     | 64.9  | 32.0  | 96.0  |





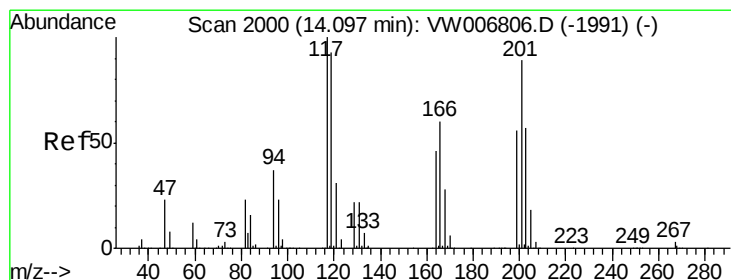
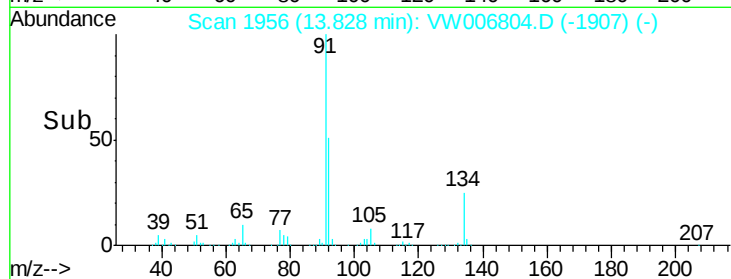
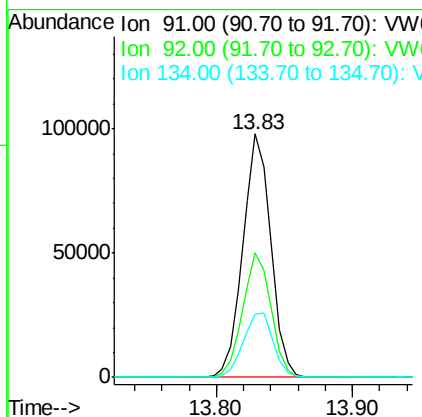
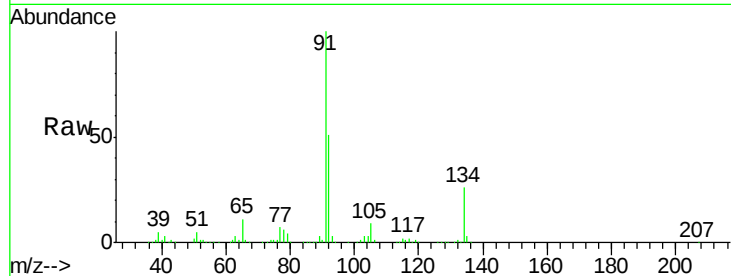
#89  
n-Butylbenzene  
Concen: 10.465 ug/l  
RT: 13.83 min Scan# 1956  
Delta R.T. -0.00 min  
Lab File: VW006804.D  
Acq: 12 Nov 2018 12:50

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC010

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 51.7  | 26.5  | 79.4  |
| 134     | 28.3  | 14.4  | 43.2  |

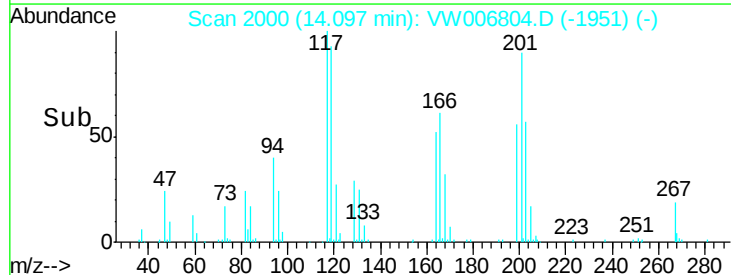
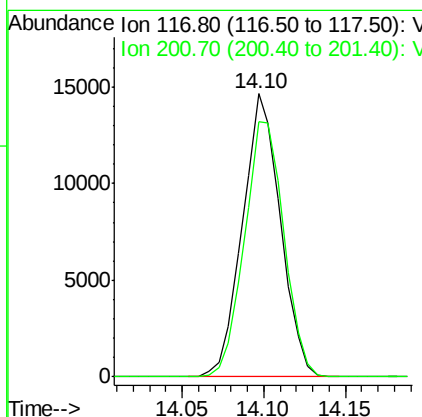
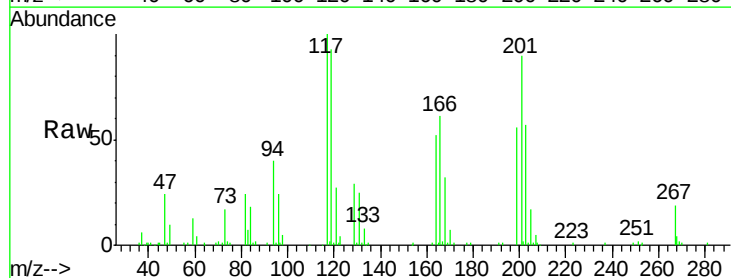
Manual Integrations  
APPROVED

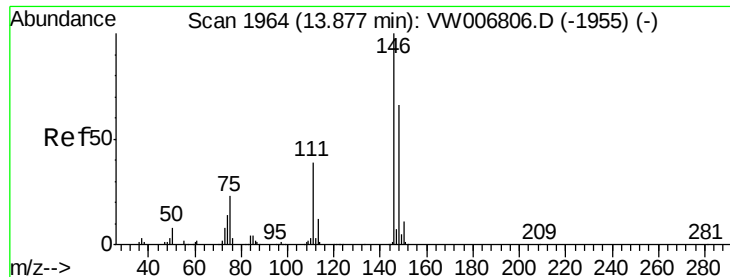
apatel  
11/13/2018 11:53:34 AM



#90  
Hexachloroethane  
Concen: 10.400 ug/l  
RT: 14.10 min Scan# 2000  
Delta R.T. -0.00 min  
Lab File: VW006804.D  
Acq: 12 Nov 2018 12:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 93.8  | 46.9  | 140.6 |





#91

1,2-Dichlorobenzene

Concen: 10.615 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW006804.D

Acq: 12 Nov 2018 12:50

Instrument :

MSVOA\_W

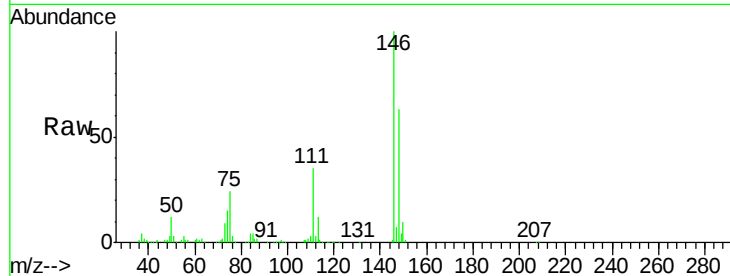
ClientSampleId :

VSTDIC010

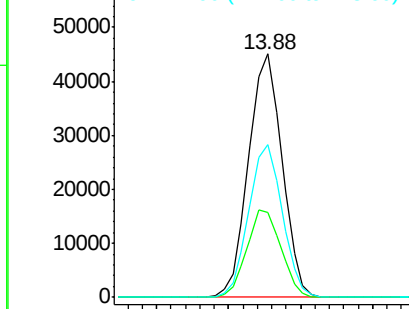
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 72589 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 36.7  | 19.3  | 57.8  |
| 148       | 62.8  | 32.4  | 97.2  |

Manual Integrations  
APPROVED

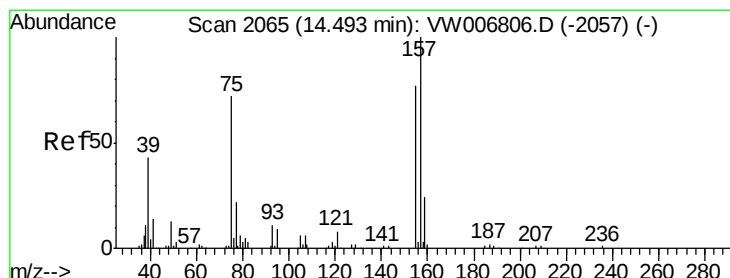
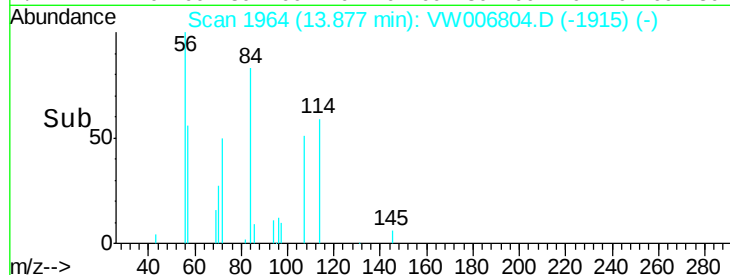
apatel  
11/13/2018 11:53:34 AM



Abundance Ion 145.90 (145.60 to 146.60): V  
Ion 110.90 (110.60 to 111.60): V  
Ion 147.90 (147.60 to 148.60): V



Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 8.914 ug/l

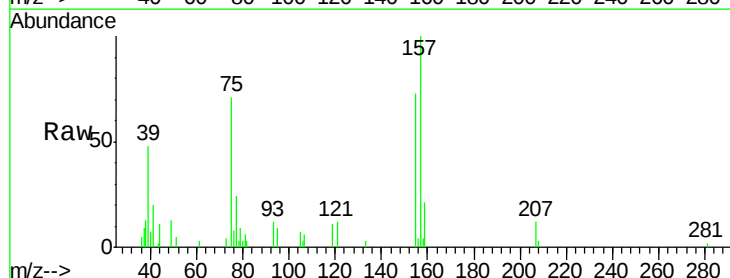
RT: 14.49 min Scan# 2065

Delta R.T. -0.00 min

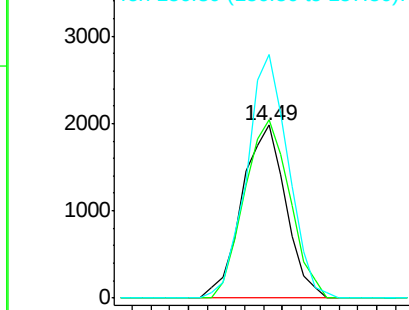
Lab File: VW006804.D

Acq: 12 Nov 2018 12:50

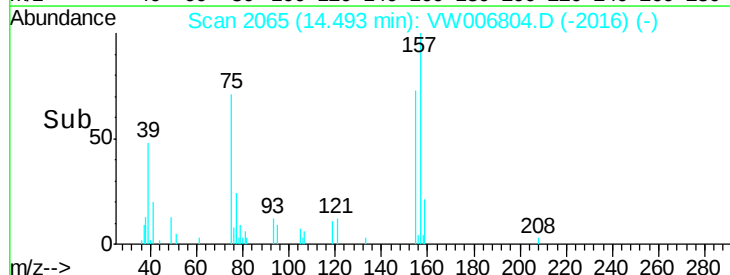
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 3191  |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 107.0 | 51.0  | 153.1 |
| 157       | 133.7 | 67.4  | 202.2 |

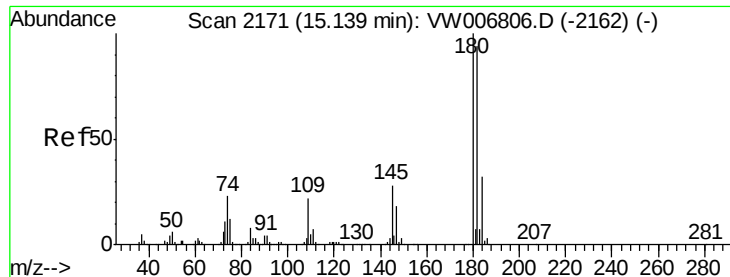


Abundance Ion 74.90 (74.60 to 75.60): VW  
Ion 154.80 (154.50 to 155.50): V  
Ion 156.80 (156.50 to 157.50): V



Time-->





#93

1,2,4-Trichlorobenzene

Concen: 10.326 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VW006804.D

Acq: 12 Nov 2018 12:50

Instrument :

MSVOA\_W

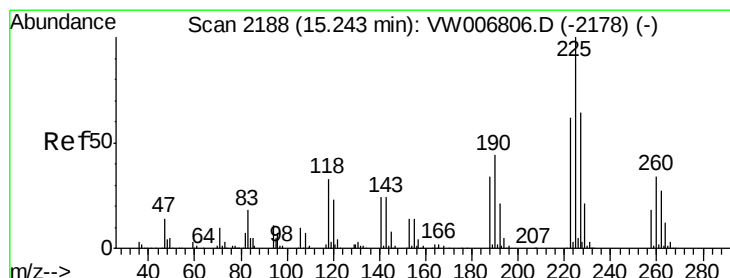
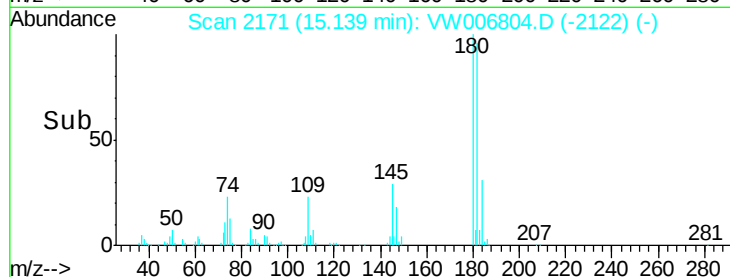
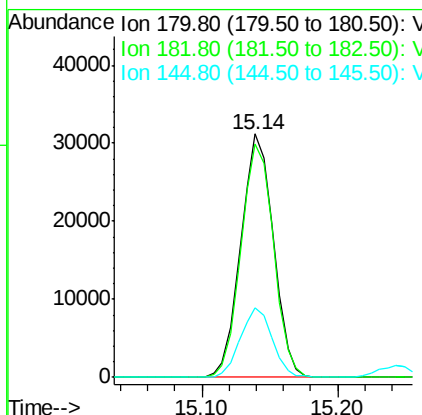
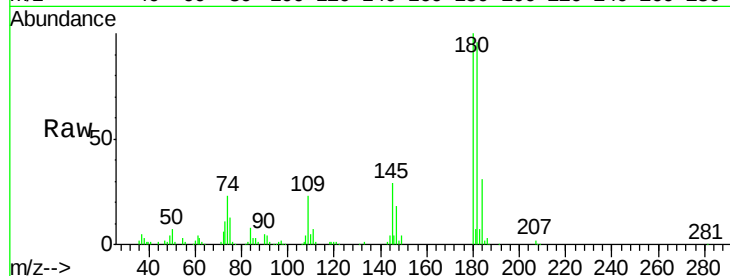
ClientSampleId :

VSTDIC010

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 52270 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.8  | 47.5  | 142.5 |
| 145       | 27.9  | 14.0  | 41.9  |

Manual Integrations  
APPROVED

apatel  
11/13/2018 11:53:34 AM



#94

Hexachlorobutadiene

Concen: 11.051 ug/l

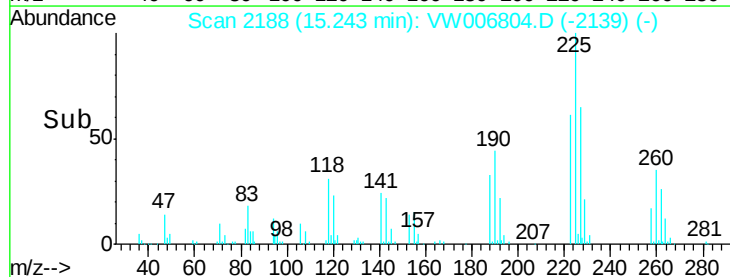
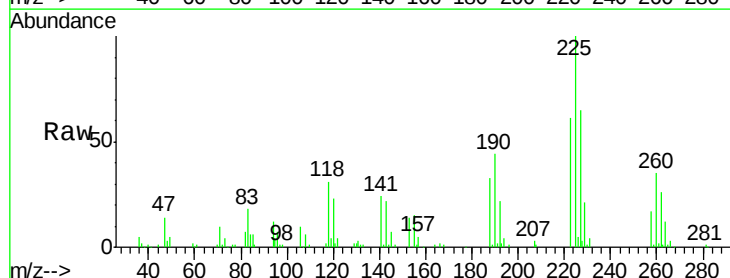
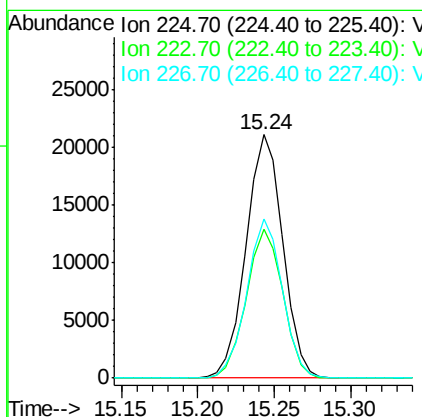
RT: 15.24 min Scan# 2188

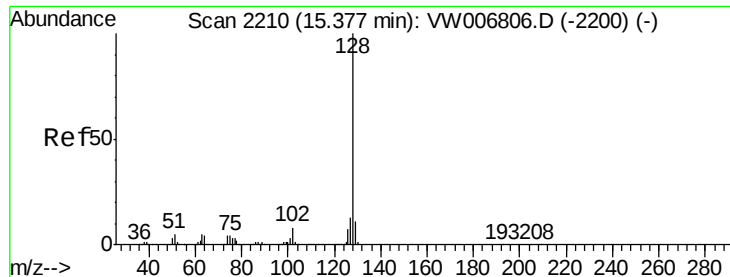
Delta R.T. -0.00 min

Lab File: VW006804.D

Acq: 12 Nov 2018 12:50

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 35206 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 61.0  | 31.2  | 93.6  |
| 227       | 63.3  | 32.3  | 96.9  |





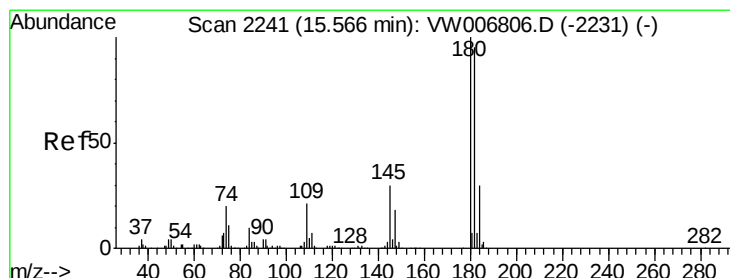
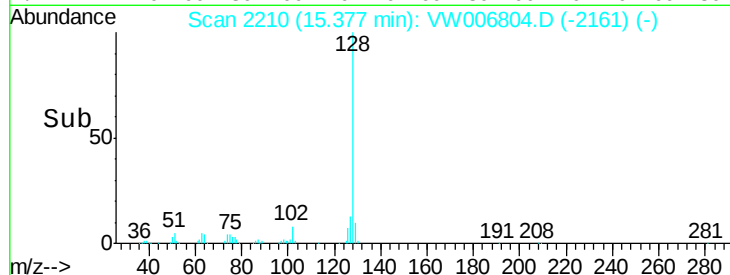
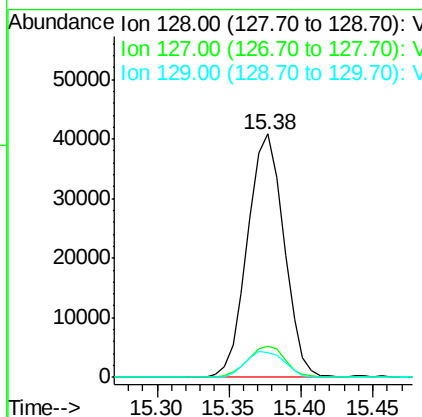
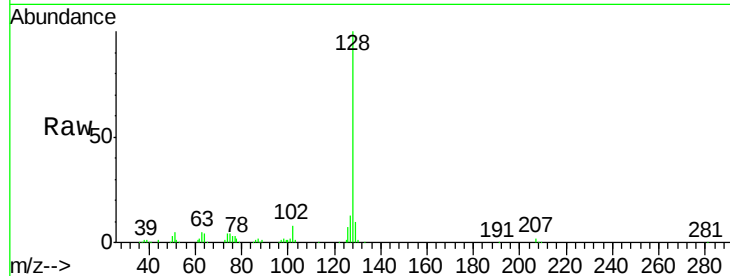
#95  
Naphthalene  
Concen: 9.253 ug/l  
RT: 15.38 min Scan# 2210  
Delta R.T. -0.00 min  
Lab File: VW006804.D  
Acq: 12 Nov 2018 12:50

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC010

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.2  | 10.3  | 15.5  |
| 129     | 11.3  | 8.6   | 13.0  |

Manual Integrations  
APPROVED

apatel  
11/13/2018 11:53:34 AM



#96  
1,2,3-Trichlorobenzene  
Concen: 10.187 ug/l  
RT: 15.57 min Scan# 2241  
Delta R.T. -0.00 min  
Lab File: VW006804.D  
Acq: 12 Nov 2018 12:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.8  | 47.9  | 143.6 |
| 145     | 29.4  | 15.2  | 45.5  |

