

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010919\  
 Data File : VW008096.D  
 Acq On : 09 Jan 2019 12:11  
 Operator : SY/AP  
 Sample : VW0109SBS01  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0109SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 1/10/2019 4:50:59 PM

Quant Time: Jan 10 06:11:39 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W010819S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 09 04:40:48 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 93871    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 159690   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 144940   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 69739    | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 45873    | 43.48 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 86.96% |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 43829    | 47.06 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 94.12% |      |
| 50) Toluene-d8            | 10.32  | 98  | 184856   | 47.30 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 94.60% |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 63230    | 45.13 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 90.26% |      |

## Target Compounds

|                               |      |     |        |        |        | Qvalue |
|-------------------------------|------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.01 | 85  | 13933  | 18.187 | ug/l   | 99     |
| 3) Chloromethane              | 2.21 | 50  | 19656  | 19.776 | ug/l   | 96     |
| 4) Vinyl Chloride             | 2.37 | 62  | 25204  | 19.430 | ug/l   | 96     |
| 5) Bromomethane               | 2.79 | 94  | 17858  | 18.377 | ug/l   | 96     |
| 6) Chloroethane               | 2.93 | 64  | 18483  | 18.935 | ug/l   | 95     |
| 7) Trichlorofluoromethane     | 3.26 | 101 | 18908  | 17.929 | ug/l   | 93     |
| 8) Diethyl Ether              | 3.68 | 74  | 11282  | 18.924 | ug/l   | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101 | 20552  | 19.628 | ug/l   | 99     |
| 10) Methyl Iodide             | 4.26 | 142 | 29333  | 19.222 | ug/l   | 99     |
| 11) Tert butyl alcohol        | 5.21 | 59  | 5131   | 58.563 | ug/l # | 100    |
| 12) 1,1-Dichloroethene        | 4.03 | 96  | 19744  | 19.206 | ug/l   | 99     |
| 13) Acrolein                  | 3.89 | 56  | 5337   | 74.935 | ug/l   | 98     |
| 14) Allyl chloride            | 4.67 | 41  | 35940  | 19.256 | ug/l   | 95     |
| 15) Acrylonitrile             | 5.37 | 53  | 20301  | 89.440 | ug/l   | 98     |
| 16) Acetone                   | 4.14 | 43  | 21241  | 99.253 | ug/l   | 98     |
| 17) Carbon Disulfide          | 4.37 | 76  | 60684  | 18.897 | ug/l   | 99     |
| 18) Methyl Acetate            | 4.68 | 43  | 11827  | 17.737 | ug/l   | 97     |
| 19) Methyl tert-butyl Ether   | 5.43 | 73  | 30834  | 18.450 | ug/l   | 95     |
| 20) Methylene Chloride        | 4.90 | 84  | 25884  | 22.250 | ug/l   | 92     |
| 21) trans-1,2-Dichloroethene  | 5.43 | 96  | 20927  | 18.733 | ug/l   | 95     |
| 22) Diisopropyl ether         | 6.31 | 45  | 69760  | 19.598 | ug/l   | 98     |
| 23) Vinyl Acetate             | 6.26 | 43  | 178833 | 95.659 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 6.21 | 63  | 40103  | 19.336 | ug/l   | 100    |
| 25) 2-Butanone                | 7.18 | 43  | 28032  | 95.496 | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 7.17 | 77  | 26737  | 19.026 | ug/l   | 98     |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96  | 22310  | 18.304 | ug/l   | 97     |
| 28) Bromochloromethane        | 7.51 | 49  | 15538  | 18.941 | ug/l # | 18     |
| 29) Tetrahydrofuran           | 7.54 | 42  | 17069  | 87.050 | ug/l   | 96     |
| 30) Chloroform                | 7.67 | 83  | 37184  | 18.835 | ug/l   | 95     |
| 31) Cyclohexane               | 7.96 | 56  | 40870  | 18.408 | ug/l   | 98     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97  | 31663  | 18.433 | ug/l   | 97     |
| 36) 1,1-Dichloropropene       | 8.08 | 75  | 31753  | 19.303 | ug/l   | 99     |
| 37) Ethyl Acetate             | 7.26 | 43  | 12573  | 19.078 | ug/l   | 98     |
| 38) Carbon Tetrachloride      | 8.07 | 117 | 29157  | 19.366 | ug/l   | 97     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010919\  
 Data File : VW008096.D  
 Acq On : 09 Jan 2019 12:11  
 Operator : SY/AP  
 Sample : VW0109SBS01  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0109SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 1/10/2019 4:50:59 PM

Quant Time: Jan 10 06:11:39 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W010819S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 09 04:40:48 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 39712    | 19.039  | ug/l   | 95       |
| 40) Benzene                    | 8.32  | 78   | 88215    | 19.772  | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.49  | 41   | 7598     | 18.251  | ug/l   | 92       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 23872    | 19.024  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.43  | 43   | 24617    | 18.683  | ug/l   | 98       |
| 44) Trichloroethene            | 9.09  | 130  | 21616    | 18.926  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 22010    | 19.895  | ug/l   | 95       |
| 46) Dibromomethane             | 9.46  | 93   | 10255    | 18.875  | ug/l   | 96       |
| 47) Bromodichloromethane       | 9.65  | 83   | 26123    | 18.936  | ug/l # | 98       |
| 48) Methyl methacrylate        | 9.44  | 41   | 11519    | 18.527  | ug/l   | 100      |
| 49) 1,4-Dioxane                | 9.48  | 88   | 2815     | 322.180 | ug/l # | 94       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 59139    | 92.722  | ug/l   | 99       |
| 52) Toluene                    | 10.39 | 92   | 54710    | 19.201  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene      | 10.61 | 75   | 27360    | 19.066  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 32694    | 19.213  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 14550    | 19.074  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 16978    | 17.973  | ug/l   | 94       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 25783    | 18.482  | ug/l   | 95       |
| 58) 2-Chloroethyl Vinyl ether  | 9.93  | 63   | 49295    | 101.022 | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.97 | 43   | 41267    | 95.676  | ug/l   | 98       |
| 60) Dibromochloromethane       | 11.13 | 129  | 15714    | 18.760  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.23 | 107  | 13576    | 18.757  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.86 | 164  | 17958    | 19.038  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.66 | 112  | 57952    | 18.873  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 18924    | 18.948  | ug/l   | 97       |
| 67) Ethyl Benzene              | 11.73 | 91   | 106186   | 18.899  | ug/l   | 97       |
| 68) m/p-Xylenes                | 11.84 | 106  | 80148    | 37.374  | ug/l   | 99       |
| 69) o-Xylene                   | 12.17 | 106  | 37477    | 18.872  | ug/l   | 98       |
| 70) Styrene                    | 12.18 | 104  | 58258    | 18.729  | ug/l   | 99       |
| 71) Bromoform                  | 12.35 | 173  | 8176     | 18.291  | ug/l # | 96       |
| 73) Isopropylbenzene           | 12.47 | 105  | 103334   | 18.873  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.27 | 43   | 22649    | 18.680  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 16074    | 18.341  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 12212m   | 19.209  | ug/l   |          |
| 77) Bromobenzene               | 12.75 | 156  | 22786    | 19.696  | ug/l   | 92       |
| 78) n-propylbenzene            | 12.80 | 91   | 127713   | 19.037  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.90 | 91   | 70135    | 18.739  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 12.95 | 105  | 85708    | 19.049  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.52 | 75   | 4934     | 18.073  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 74193    | 18.822  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.21 | 119  | 74691    | 18.764  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.26 | 105  | 86674    | 18.678  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.39 | 105  | 109957   | 18.858  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.51 | 119  | 96043    | 19.075  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.51 | 146  | 46057    | 19.626  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 45491    | 19.321  | ug/l   | 97       |
| 89) n-Butylbenzene             | 13.83 | 91   | 93208    | 18.901  | ug/l   | 99       |
| 90) Hexachloroethane           | 14.10 | 117  | 16018    | 18.835  | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene        | 13.88 | 146  | 39302    | 19.056  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 2520     | 17.868  | ug/l   | 96       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010919\  
Data File : VW008096.D  
Acq On : 09 Jan 2019 12:11  
Operator : SY/AP  
Sample : VW0109SBS01  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0109SBS01

Manual Integrations  
APPROVED

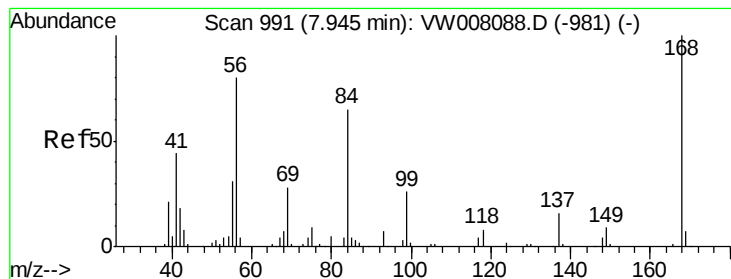
MMDadoda  
1/10/2019 4:50:59 PM

Quant Time: Jan 10 06:11:39 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W010819S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 09 04:40:48 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.14 | 180  | 26311    | 19.215 | ug/l  | 96       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 15055    | 20.541 | ug/l  | 99       |
| 95) Naphthalene            | 15.38 | 128  | 45061    | 17.624 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.56 | 180  | 21781    | 18.659 | ug/l  | 96       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA\_W

ClientSampleId :

VW0109SBS01

Tot Ion:168 Resp: 93871

Ion Ratio Lower Upper

168 100

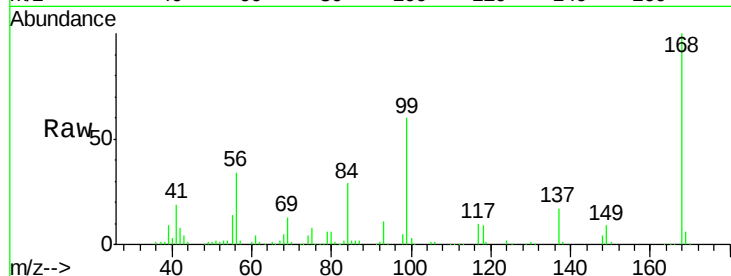
99 60.3 52.6 78.8

Manual Integrations

APPROVED

MMDadoda

1/10/2019 4:50:59 PM



Abundance Ion 167.90 (167.60 to 168.60): VW008088.D (-981) (-)

Ion 98.90 (98.60 to 99.60): VW008088.D (-981) (-)

7.95

40000

30000

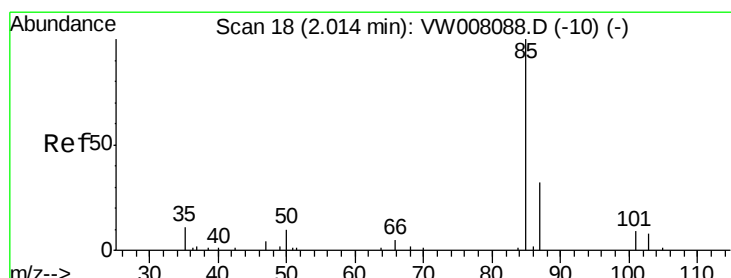
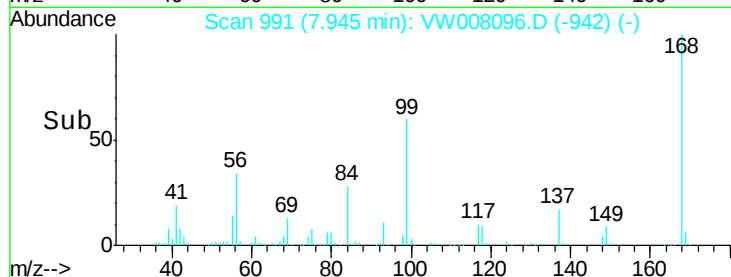
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 18.187 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW008096.D

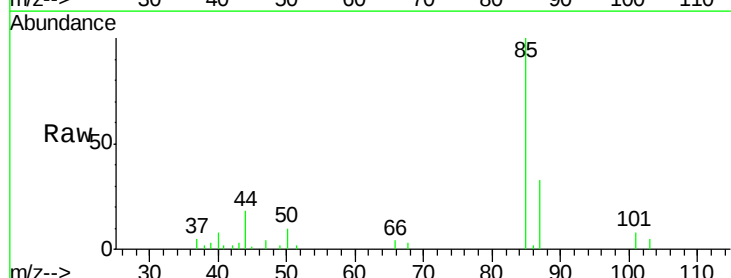
Acq: 09 Jan 2019 12:11

Tgt Ion: 85 Resp: 13933

Ion Ratio Lower Upper

85 100

87 32.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW008088.D (-10) (-)

Ion 86.90 (86.60 to 87.60): VW008088.D (-10) (-)

2.01

5000

4000

3000

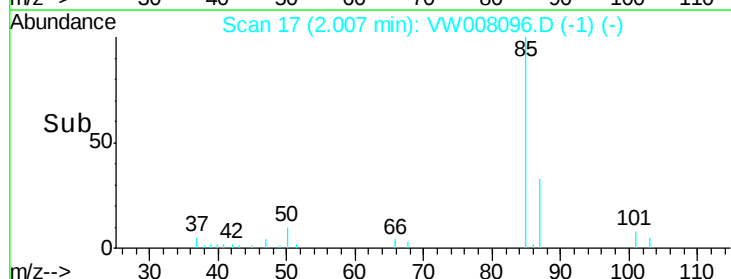
2000

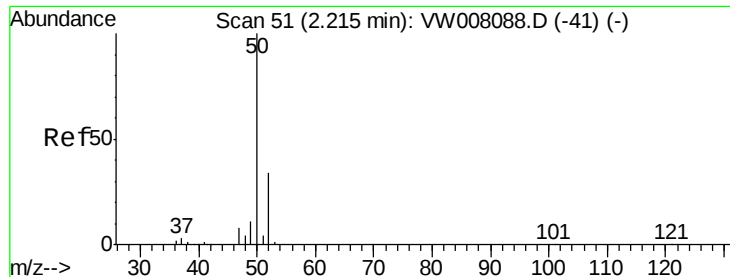
1000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 19.776 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA\_W

ClientSampleId :

VW0109SBS01

Tot Ion: 50 Resp: 19656

Ion Ratio Lower Upper

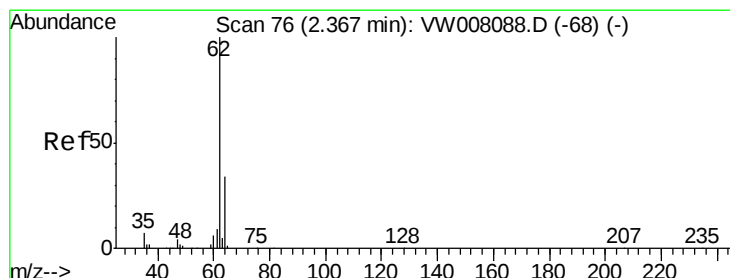
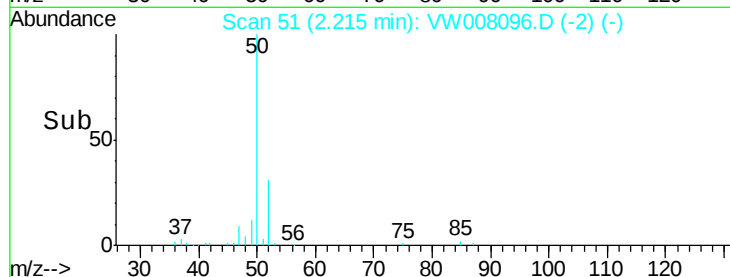
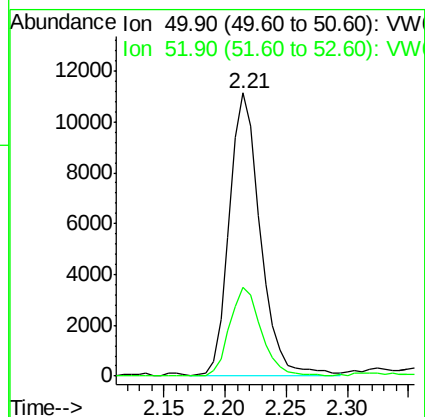
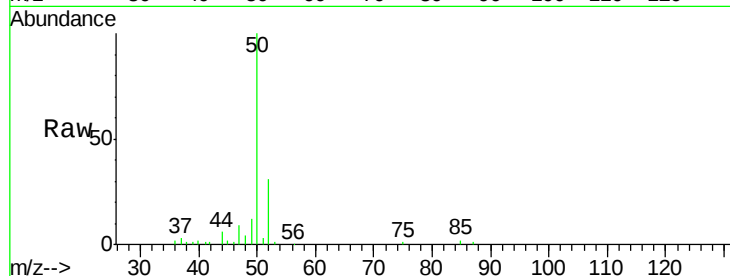
50 100

52 31.5 26.8 40.2

Manual Integrations  
APPROVED

MMDadoda

1/10/2019 4:50:59 PM



#4

Vinyl Chloride

Concen: 19.430 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW008096.D

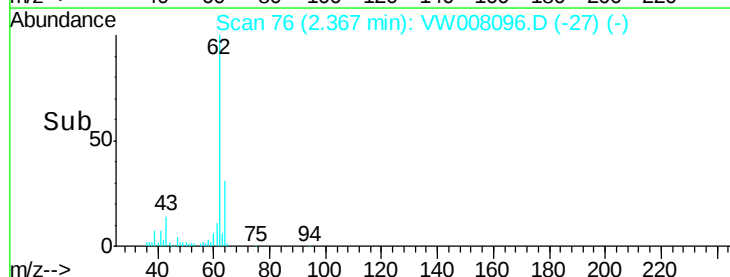
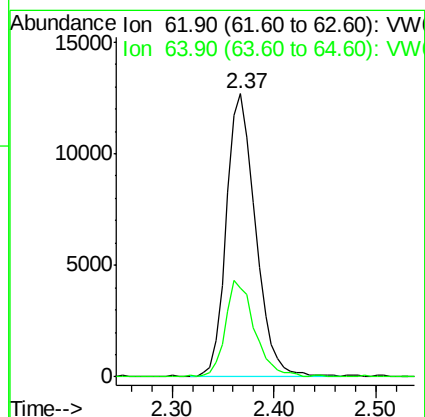
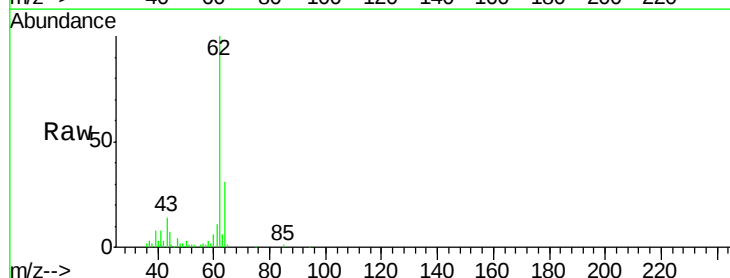
Acq: 09 Jan 2019 12:11

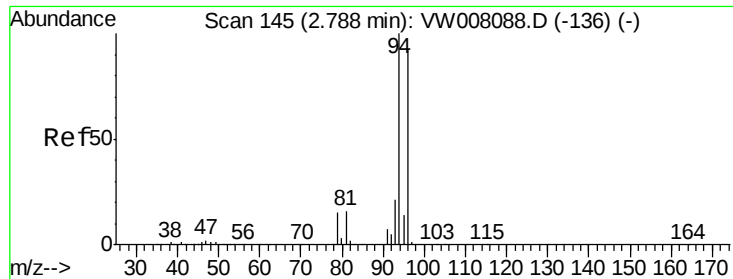
Tgt Ion: 62 Resp: 25204

Ion Ratio Lower Upper

62 100

64 31.4 27.0 40.6





#5

Bromomethane

Concen: 18.377 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA\_W

ClientSampleId :

VW0109SBS01

Tot Ion: 94 Resp: 17858

Ion Ratio Lower Upper

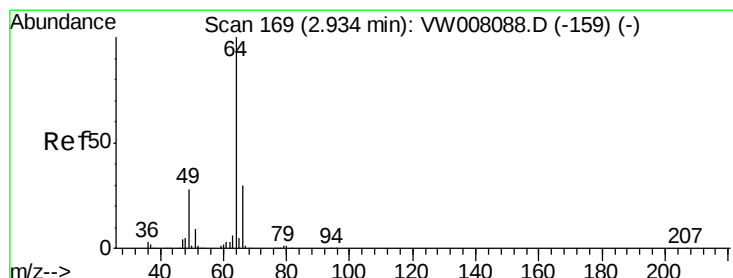
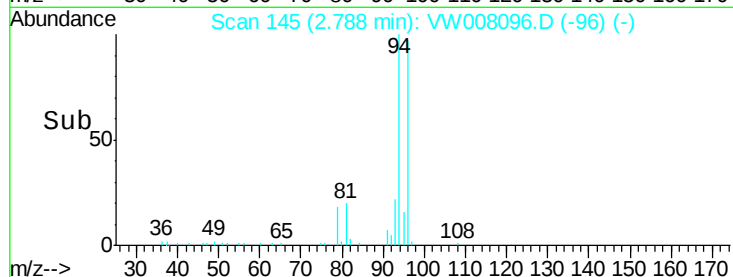
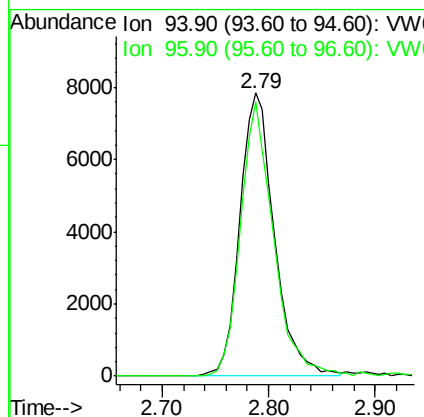
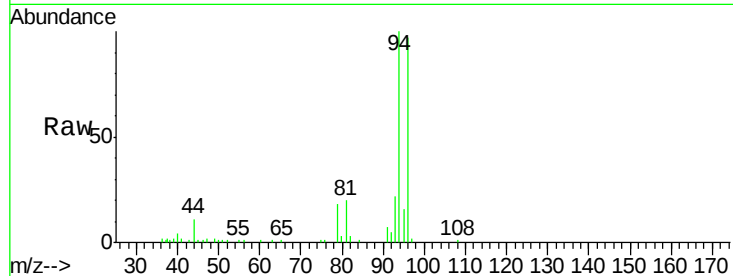
94 100

96 96.9 74.1 111.1

Manual Integrations  
APPROVED

MMDadoda

1/10/2019 4:50:59 PM



#6

Chloroethane

Concen: 18.935 ug/l

RT: 2.93 min Scan# 169

Delta R.T. -0.00 min

Lab File: VW008096.D

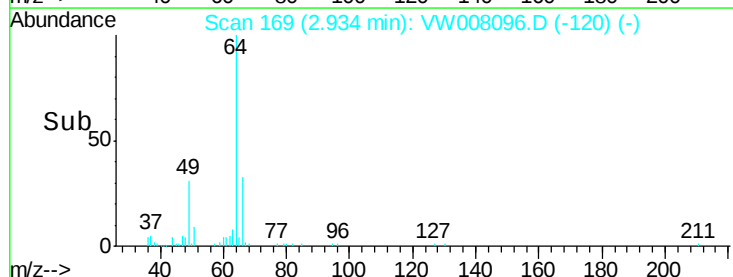
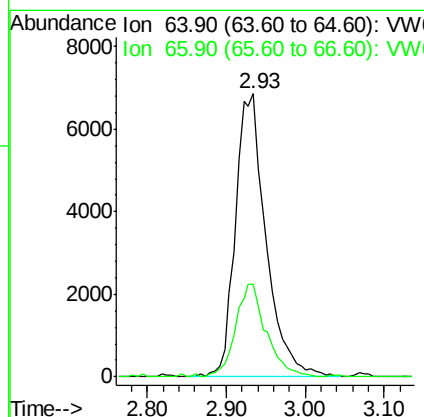
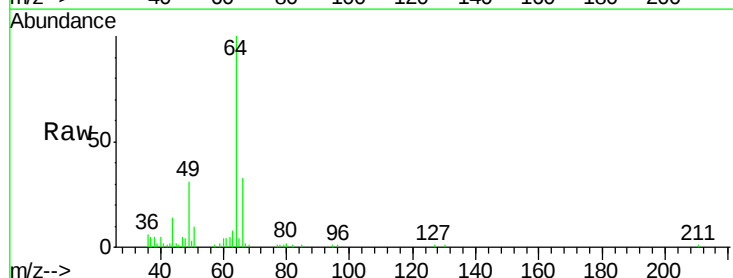
Acq: 09 Jan 2019 12:11

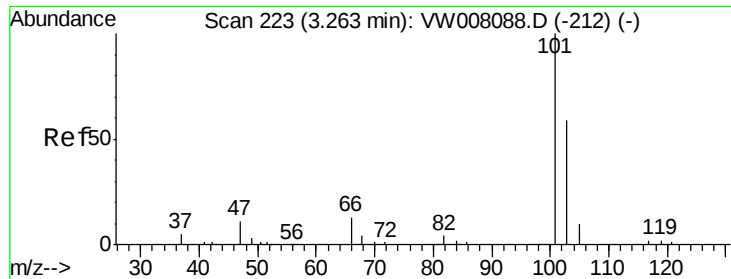
Tgt Ion: 64 Resp: 18483

Ion Ratio Lower Upper

64 100

66 32.8 24.2 36.2





#7

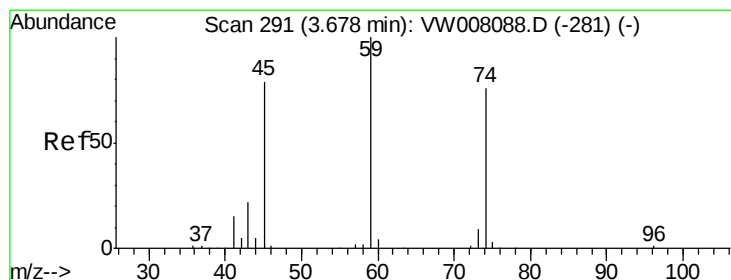
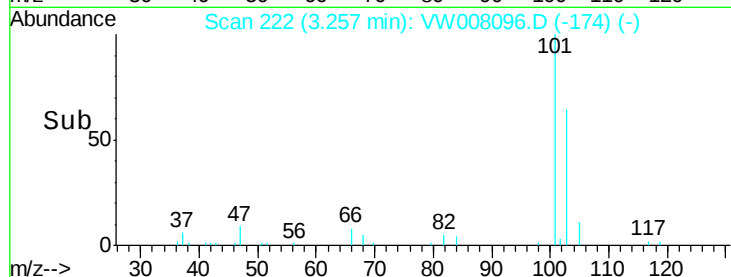
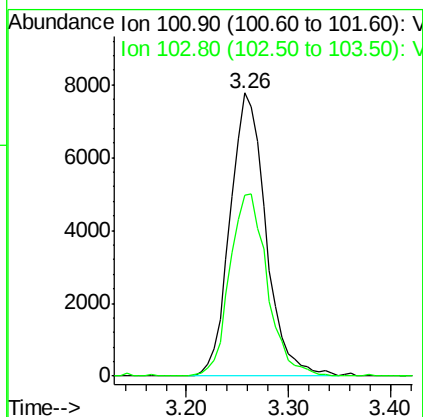
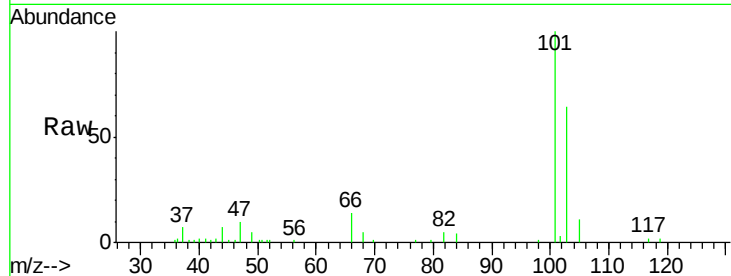
Trichlorofluoromethane  
 Concen: 17.929 ug/l  
 RT: 3.26 min Scan# 222  
 Delta R.T. -0.01 min  
 Lab File: VW008096.D  
 Acq: 09 Jan 2019 12:11

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0109SBS01

Tot Ion:101 Resp: 18908  
 Ion Ratio Lower Upper  
 101 100  
 103 63.9 47.0 70.6

Manual Integrations  
 APPROVED

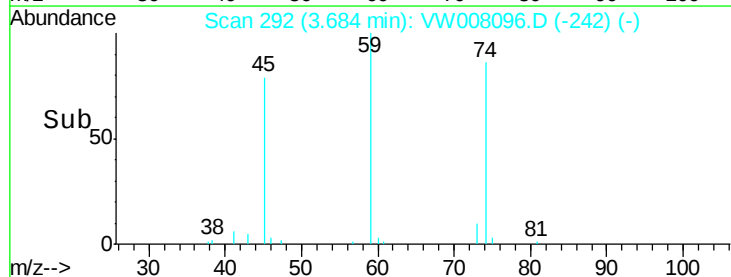
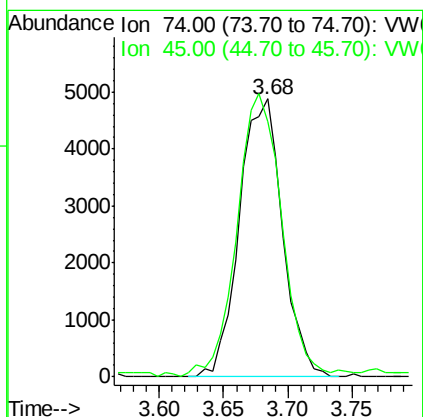
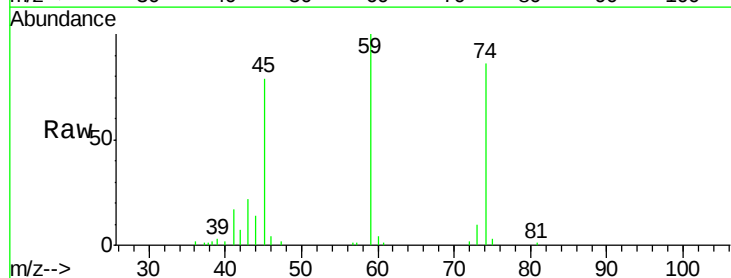
MMDadoda  
 1/10/2019 4:50:59 PM

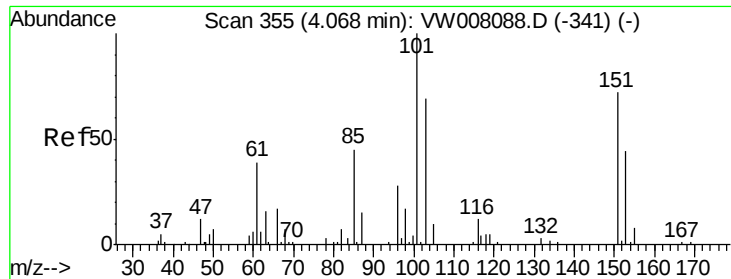


#8

Diethyl Ether  
 Concen: 18.924 ug/l  
 RT: 3.68 min Scan# 292  
 Delta R.T. 0.01 min  
 Lab File: VW008096.D  
 Acq: 09 Jan 2019 12:11

Tgt Ion: 74 Resp: 11282  
 Ion Ratio Lower Upper  
 74 100  
 45 105.8 52.4 157.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.628 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA\_W

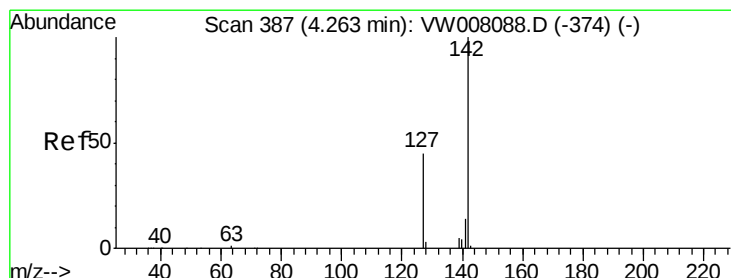
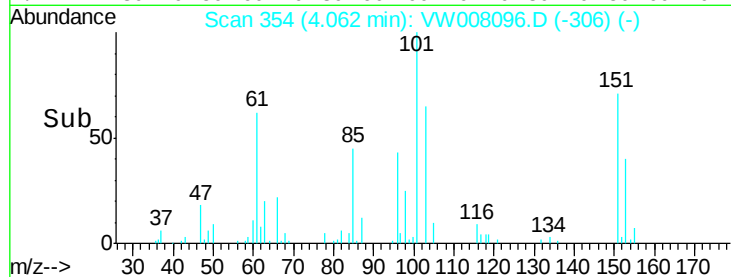
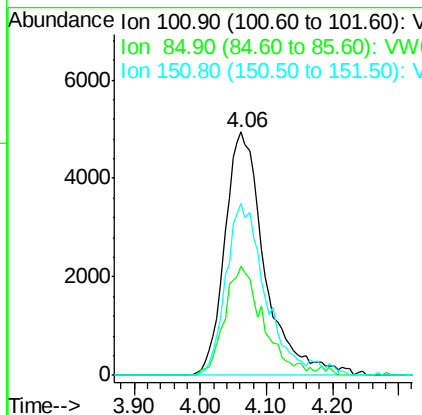
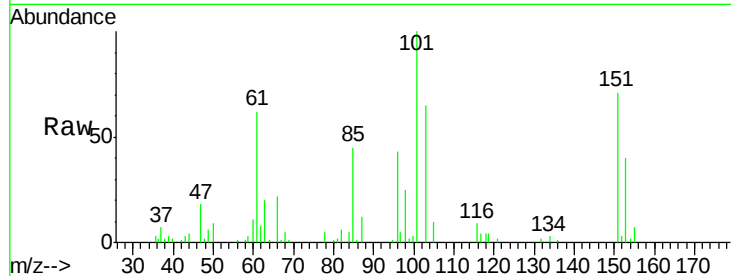
ClientSampleId :

VW0109SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 20552 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 43.8  | 35.9  | 53.9  |
| 151       | 68.8  | 55.8  | 83.8  |

Manual Integrations  
APPROVED

MMDadoda  
1/10/2019 4:50:59 PM



#10

Methyl Iodide

Concen: 19.222 ug/l

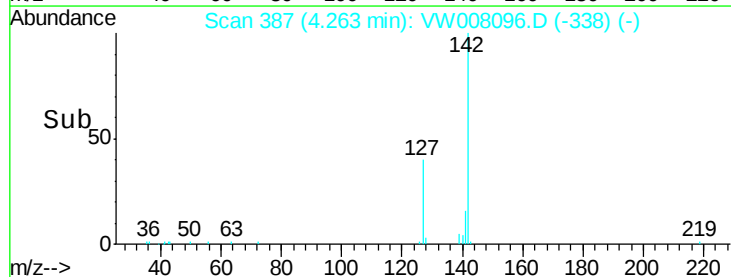
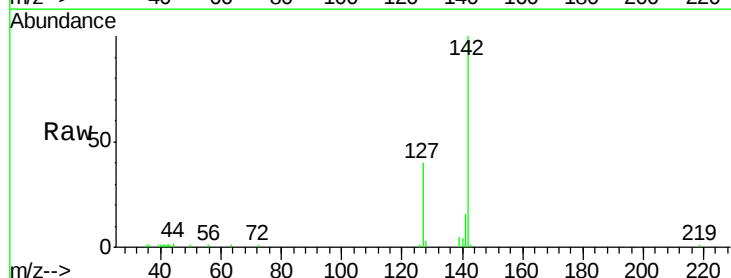
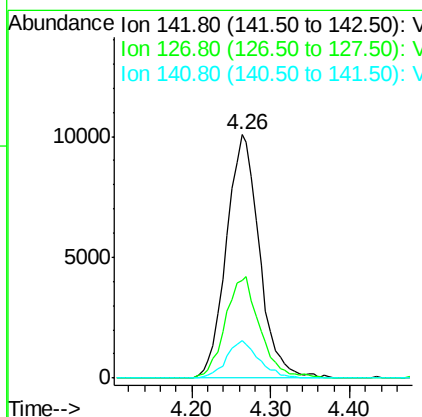
RT: 4.26 min Scan# 387

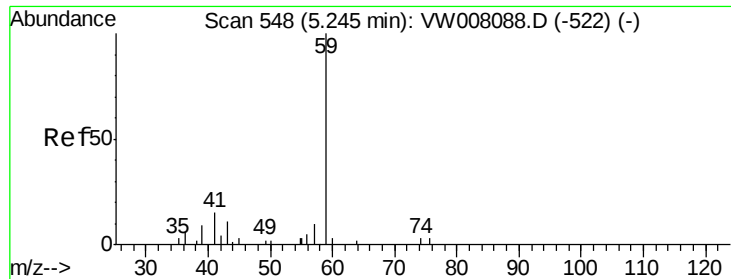
Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 29333 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 43.4  | 35.0  | 52.4  |
| 141       | 15.1  | 11.8  | 17.6  |





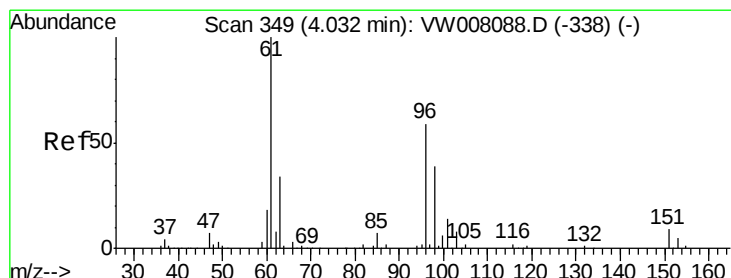
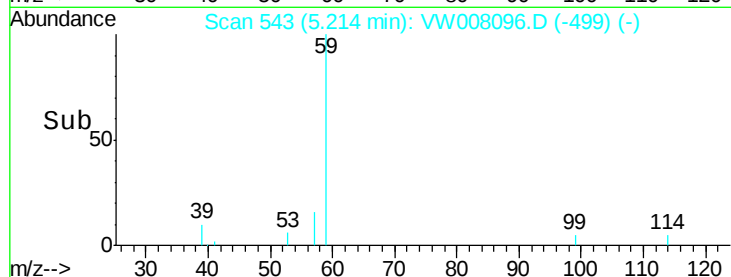
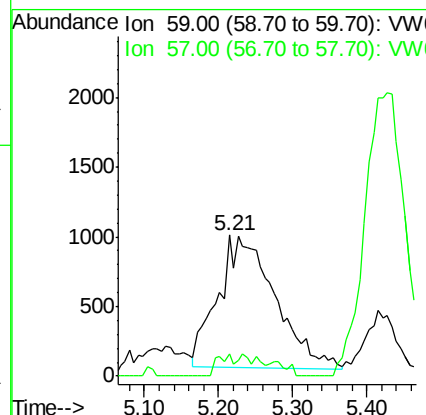
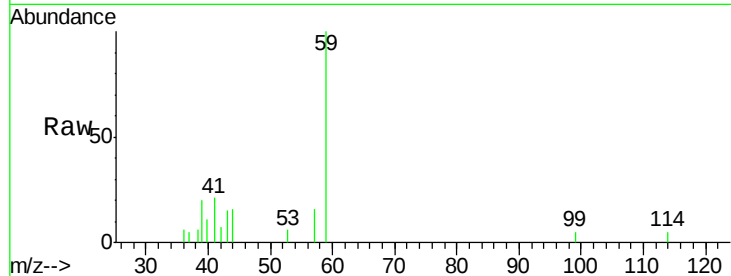
#11  
Tert butyl alcohol  
Concen: 58.563 ug/l  
RT: 5.21 min Scan# 543  
Delta R.T. -0.03 min  
Lab File: VW008096.D  
Acq: 09 Jan 2019 12:11

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0109SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 0.0   | 0.0   | 0.0   |

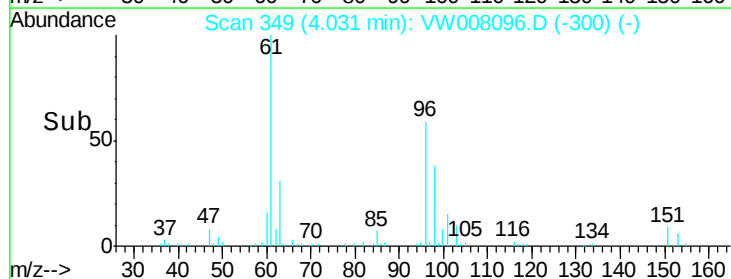
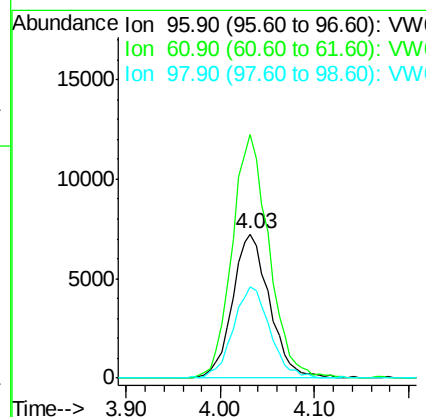
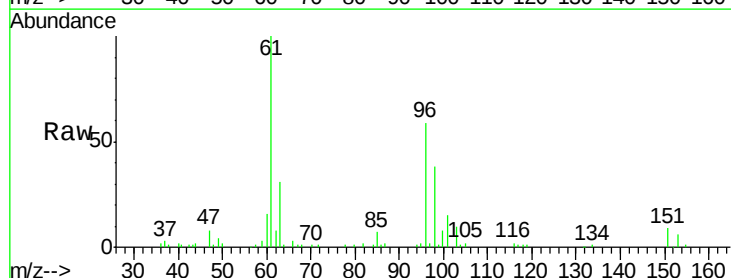
Manual Integrations  
APPROVED

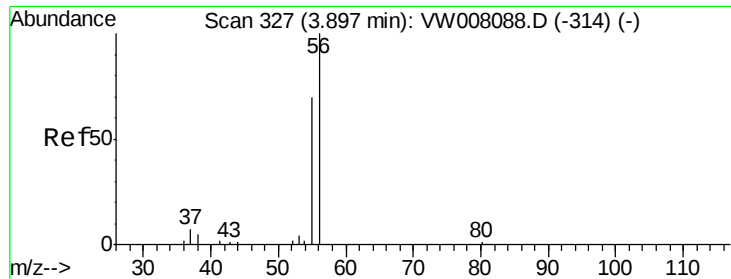
MMDadoda  
1/10/2019 4:50:59 PM



#12  
1,1-Dichloroethene  
Concen: 19.206 ug/l  
RT: 4.03 min Scan# 349  
Delta R.T. -0.00 min  
Lab File: VW008096.D  
Acq: 09 Jan 2019 12:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 169.1 | 135.4 | 203.2 |
| 98      | 62.8  | 52.5  | 78.7  |





#13

Acrolein

Concen: 74.935 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA\_W

ClientSampleId :

VW0109SBS01

Tot Ion: 56 Resp: 5337

Ion Ratio Lower Upper

56 100

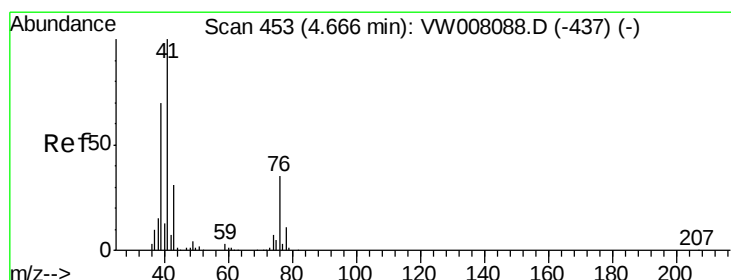
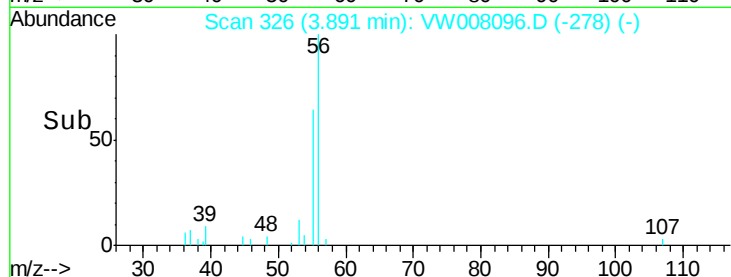
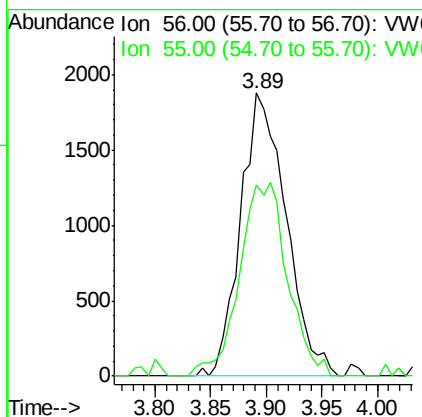
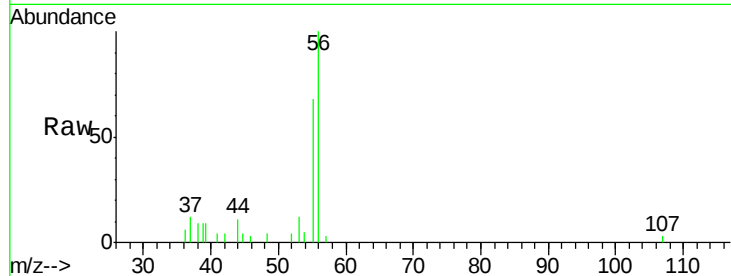
55 72.4 56.6 84.8

Manual Integrations

APPROVED

MMDadoda

1/10/2019 4:50:59 PM



#14

Allyl chloride

Concen: 19.256 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

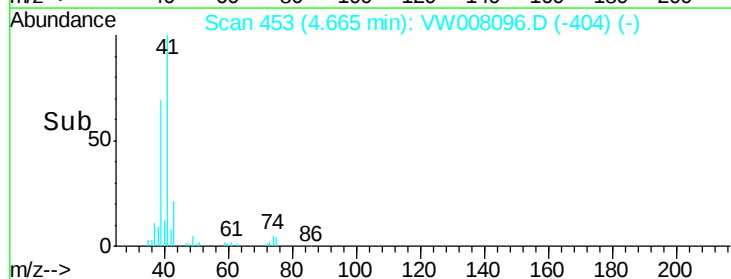
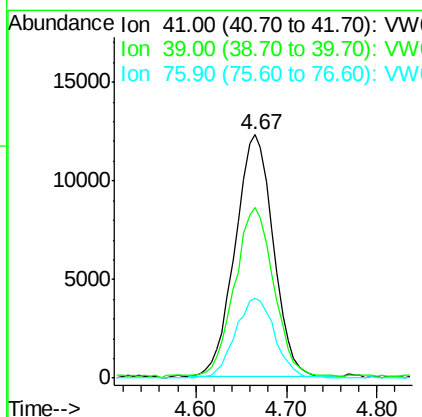
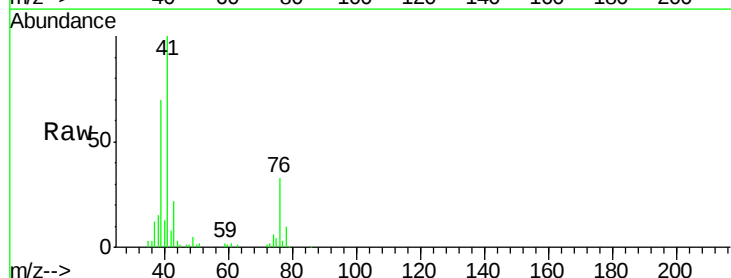
Tgt Ion: 41 Resp: 35940

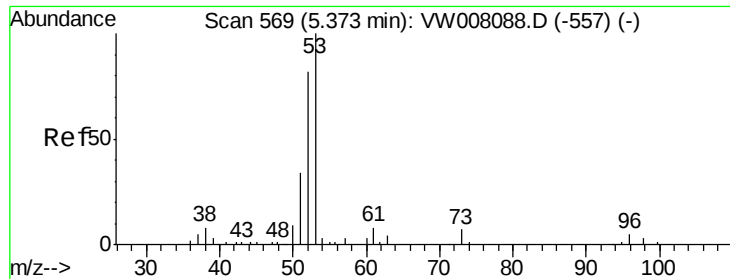
Ion Ratio Lower Upper

41 100

39 73.6 53.8 80.8

76 34.2 27.6 41.4





#15

Acrylonitrile

Concen: 89.440 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA\_W

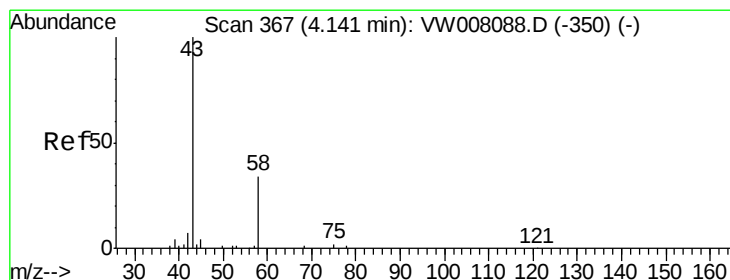
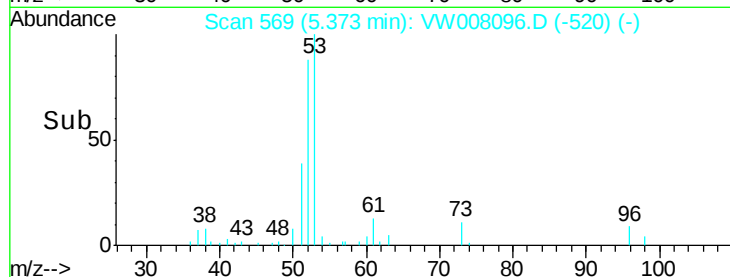
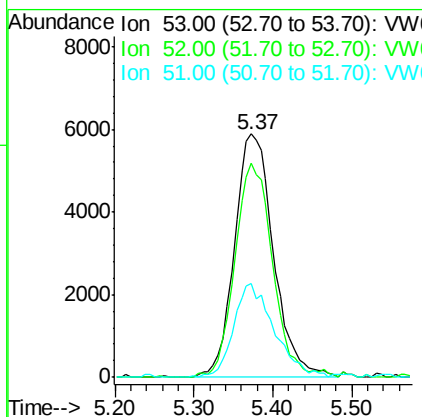
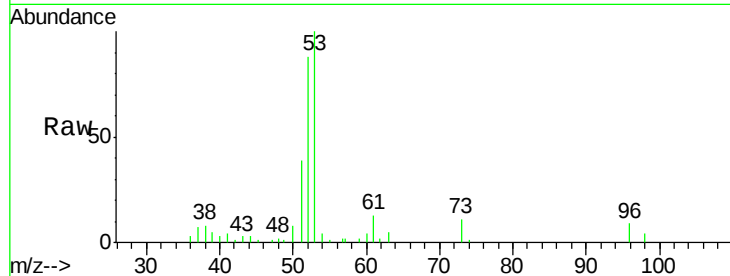
ClientSampleId :

VW0109SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 20301 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 83.9  | 66.8  | 100.2 |
| 51       | 39.9  | 29.7  | 44.5  |

Manual Integrations  
APPROVED

MMDadoda  
1/10/2019 4:50:59 PM



#16

Acetone

Concen: 99.253 ug/l

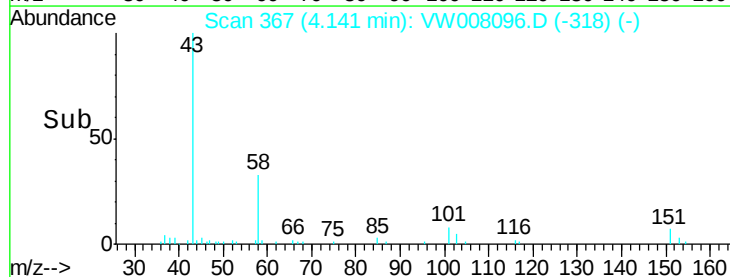
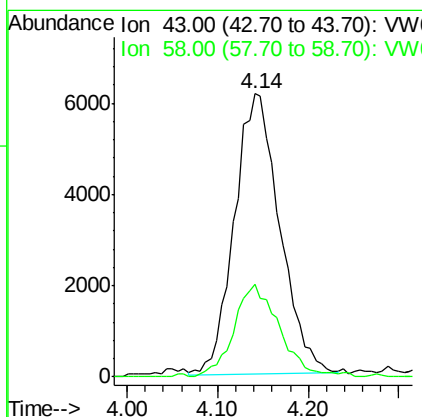
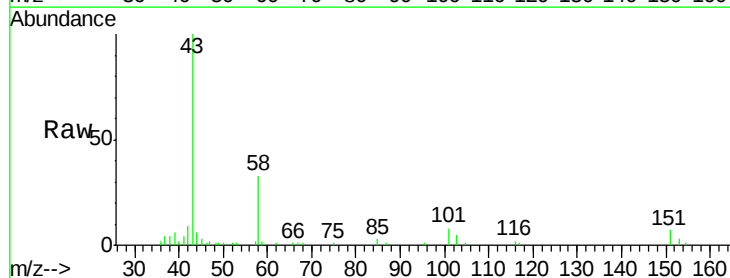
RT: 4.14 min Scan# 367

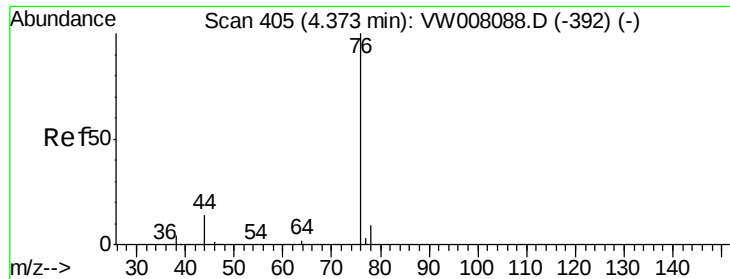
Delta R.T. 0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 21241 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 33.2  | 27.5  | 41.3  |





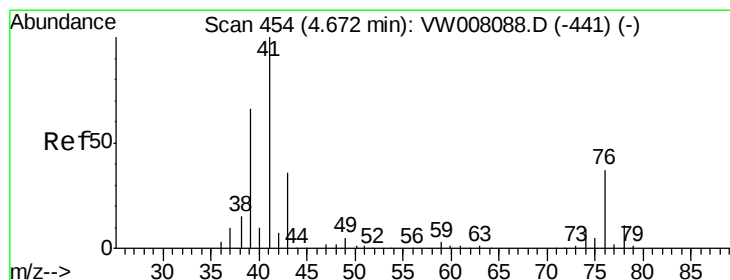
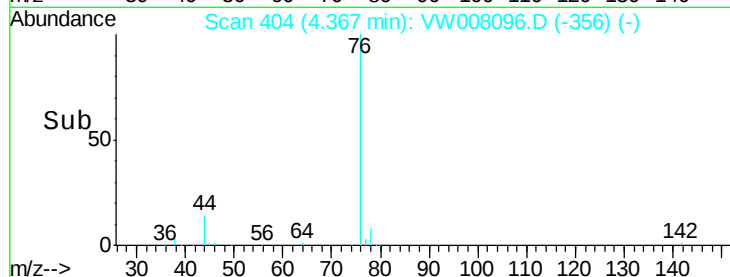
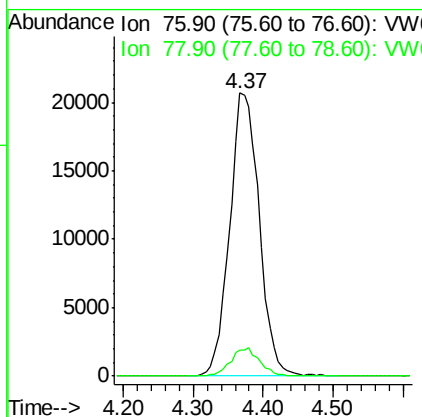
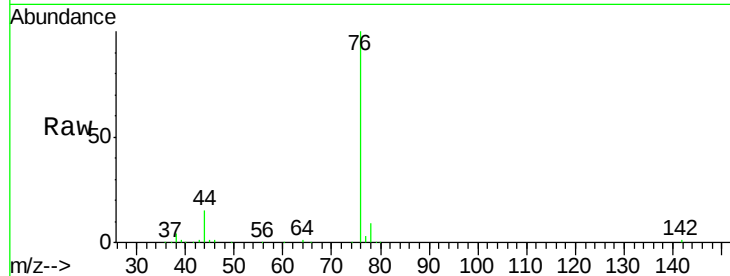
#17  
Carbon Disulfide  
Concen: 18.897 ug/l  
RT: 4.37 min Scan# 404  
Delta R.T. -0.01 min  
Lab File: VW008096.D  
Acq: 09 Jan 2019 12:11

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0109SBS01

Tot Ion: 76 Resp: 60684  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.0 10.6

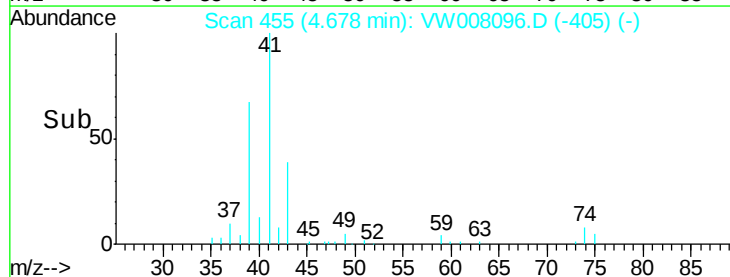
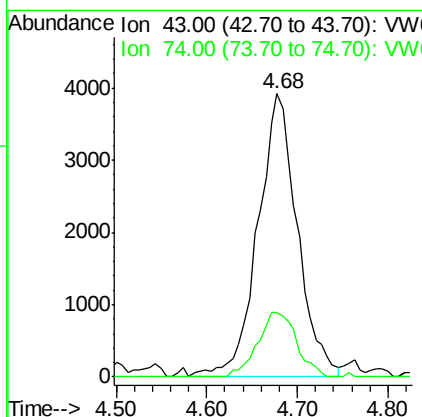
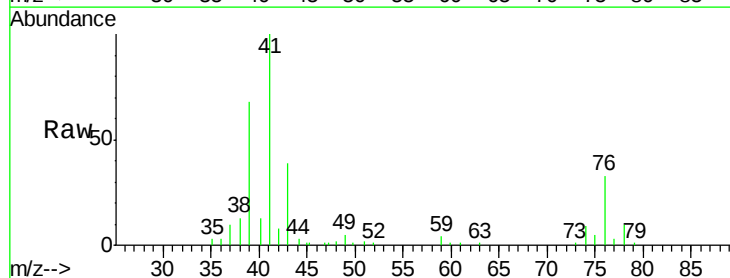
Manual Integrations  
APPROVED

MMDadoda  
1/10/2019 4:50:59 PM



#18  
Methyl Acetate  
Concen: 17.737 ug/l  
RT: 4.68 min Scan# 455  
Delta R.T. 0.01 min  
Lab File: VW008096.D  
Acq: 09 Jan 2019 12:11

Tgt Ion: 43 Resp: 11827  
Ion Ratio Lower Upper  
43 100  
74 22.4 19.0 28.4





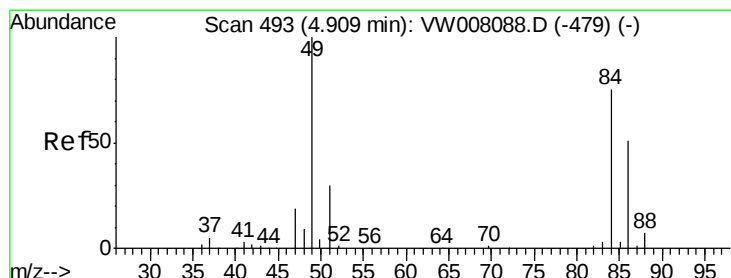
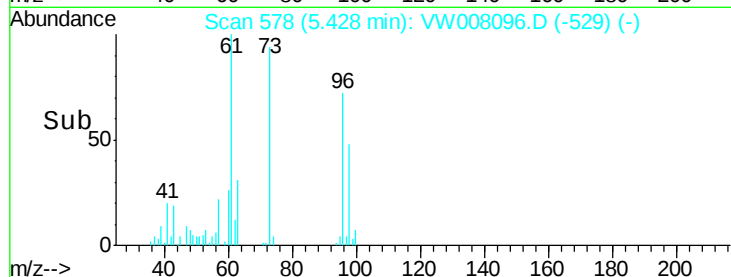
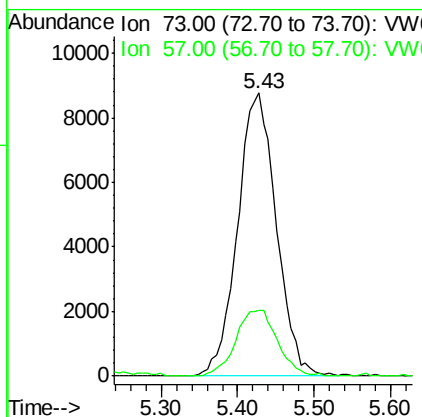
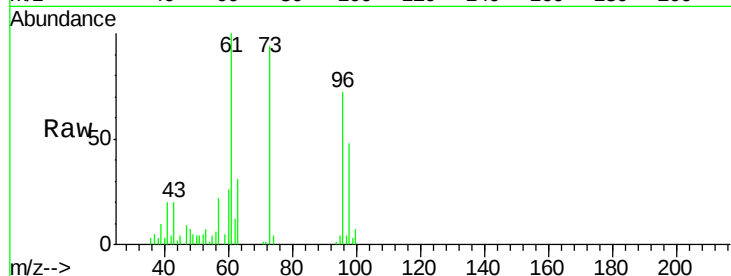
#19  
Methyl tert-butyl Ether  
Concen: 18.450 ug/l  
RT: 5.43 min Scan# 578  
Delta R.T. -0.00 min  
Lab File: VW008096.D  
Acq: 09 Jan 2019 12:11

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0109SBS01

Tot Ion: 73 Resp: 30834  
Ion Ratio Lower Upper  
73 100  
57 23.2 16.7 25.1

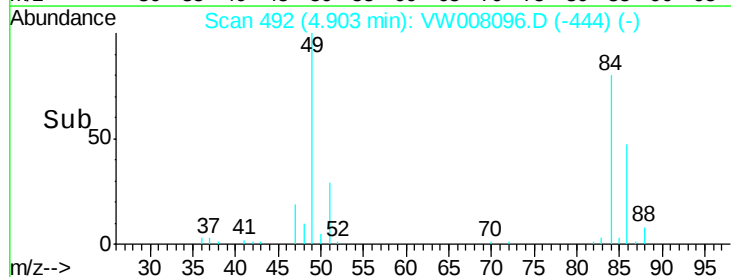
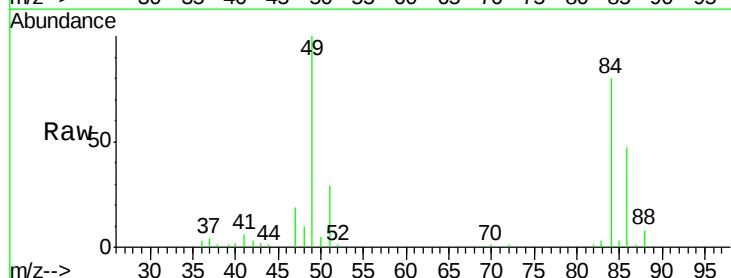
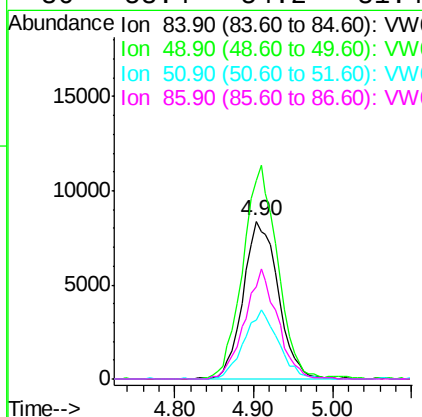
Manual Integrations  
APPROVED

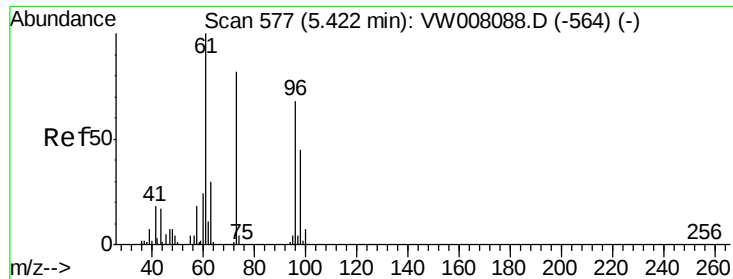
MMDadoda  
1/10/2019 4:50:59 PM



#20  
Methylene Chloride  
Concen: 22.250 ug/l  
RT: 4.90 min Scan# 492  
Delta R.T. -0.01 min  
Lab File: VW008096.D  
Acq: 09 Jan 2019 12:11

Tgt Ion: 84 Resp: 25884  
Ion Ratio Lower Upper  
84 100  
49 125.2 107.1 160.7  
51 36.9 32.4 48.6  
86 58.4 54.2 81.4





#21

trans-1,2-Dichloroethene

Concen: 18.733 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA\_W

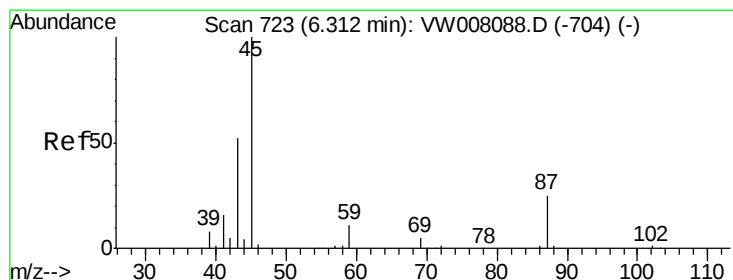
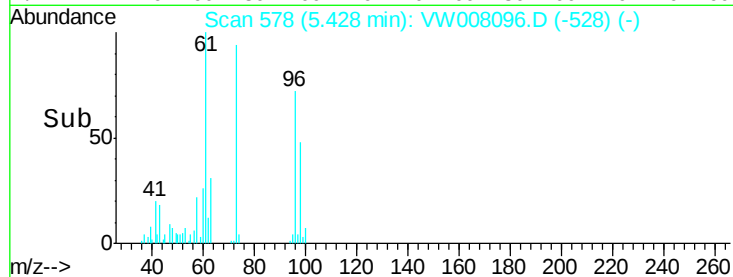
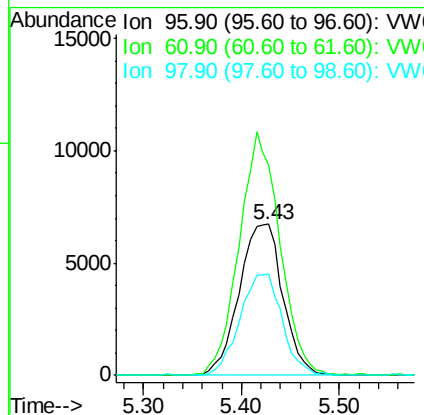
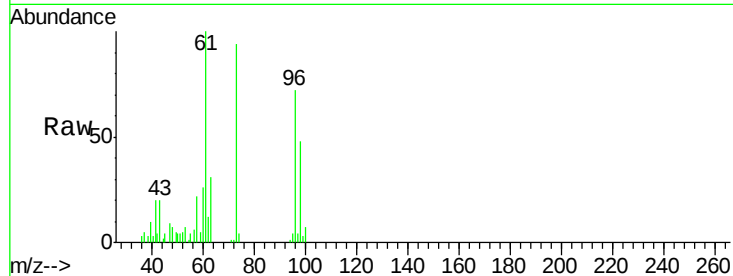
ClientSampleId :

VW0109SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 20927 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 138.7 | 117.4 | 176.0 |
| 98       | 66.8  | 52.2  | 78.4  |

Manual Integrations  
APPROVED

MMDadoda  
1/10/2019 4:50:59 PM



#22

Diisopropyl ether

Concen: 19.598 ug/l

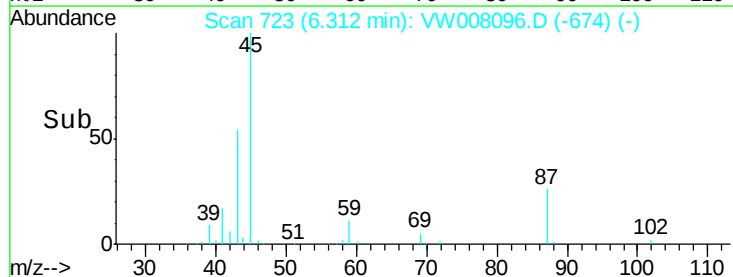
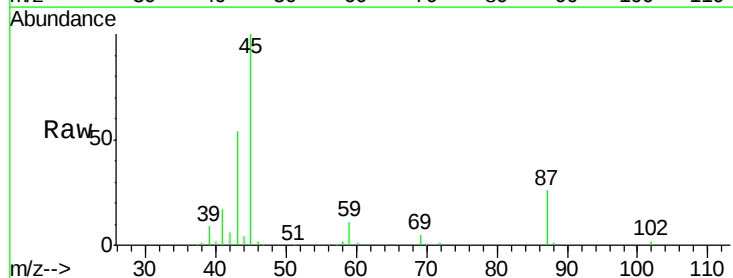
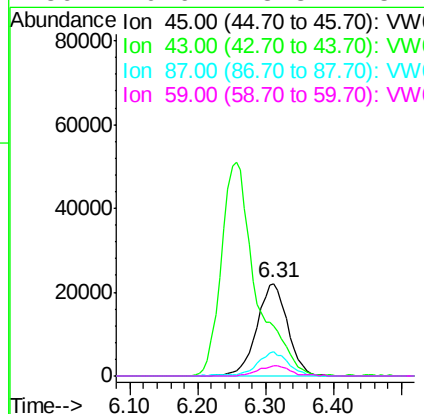
RT: 6.31 min Scan# 723

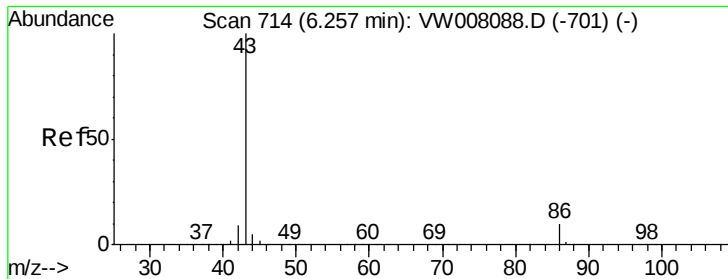
Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 69760 |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 43       | 53.9  | 41.7  | 62.5  |
| 87       | 26.2  | 20.1  | 30.1  |
| 59       | 10.6  | 8.8   | 13.2  |





#23

Vinyl Acetate

Concen: 95.659 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA\_W

ClientSampleId :

VW0109SBS01

Tot Ion: 43 Resp: 178833

Ion Ratio Lower Upper

43 100

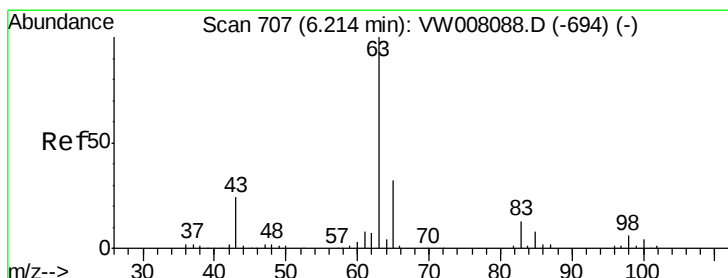
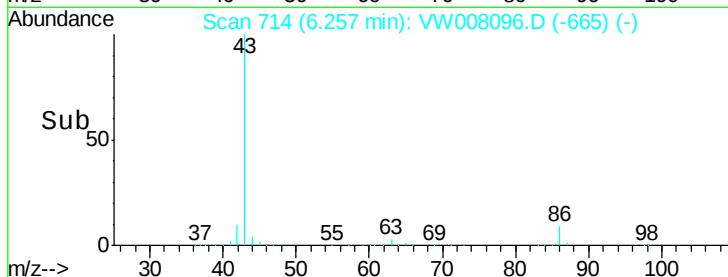
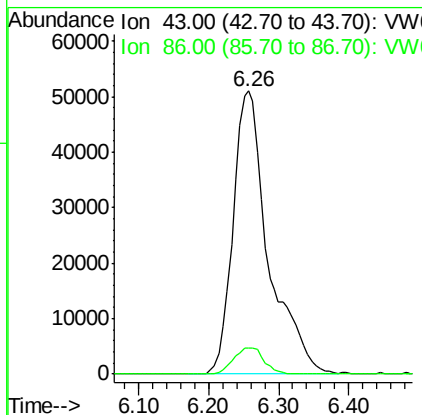
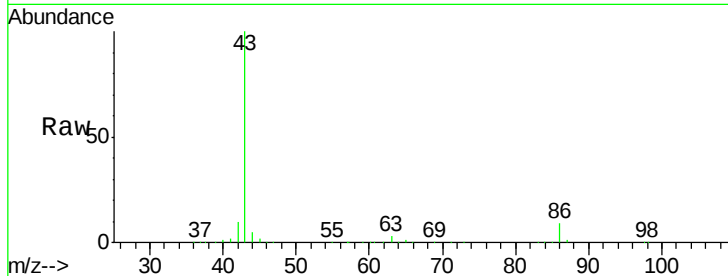
86 9.4 7.7 11.5

Manual Integrations

APPROVED

MMDadoda

1/10/2019 4:50:59 PM



#24

1,1-Dichloroethane

Concen: 19.336 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

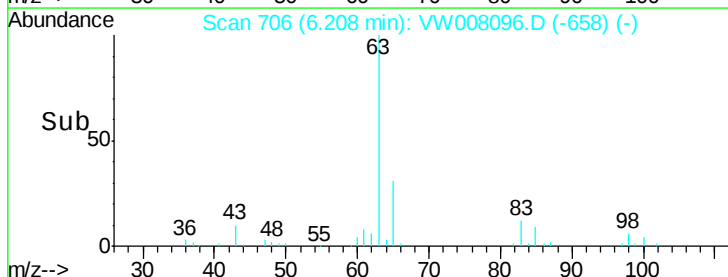
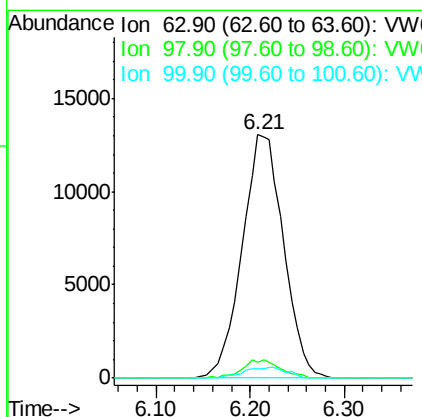
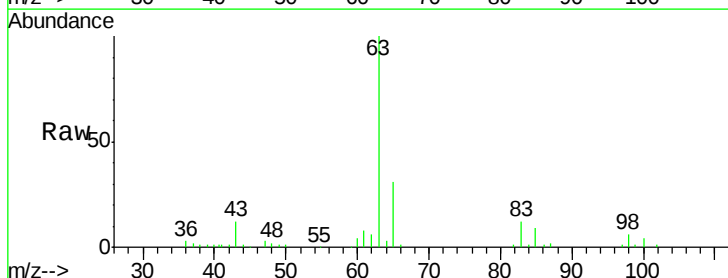
Tgt Ion: 63 Resp: 40103

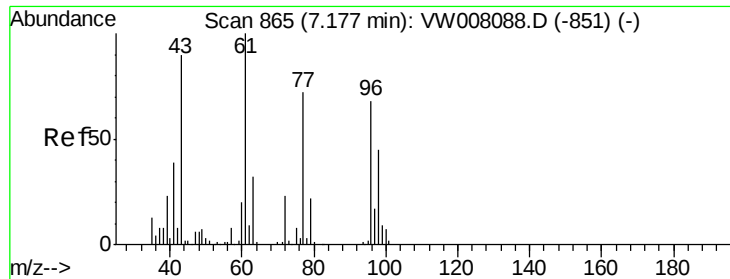
Ion Ratio Lower Upper

63 100

98 6.4 3.2 9.6

100 3.8 2.0 6.0





#25

2-Butanone

Concen: 95.496 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA\_W

ClientSampled :

VW0109SBS01

Tot Ion: 43 Resp: 28032

Ion Ratio Lower Upper

43 100

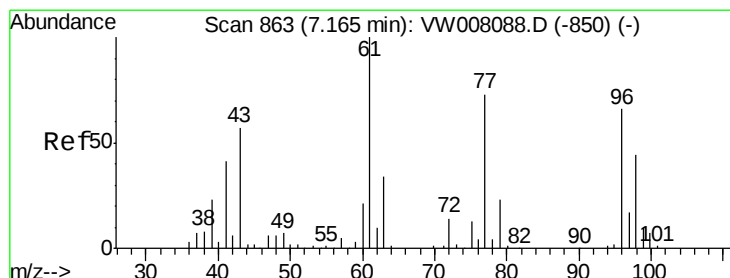
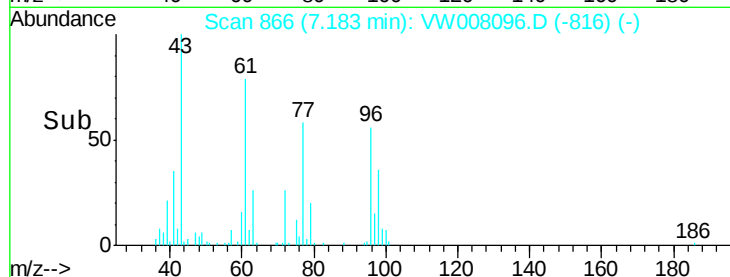
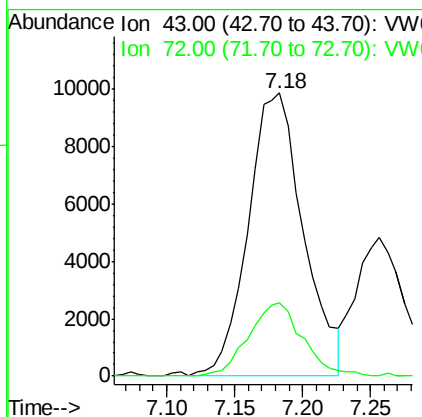
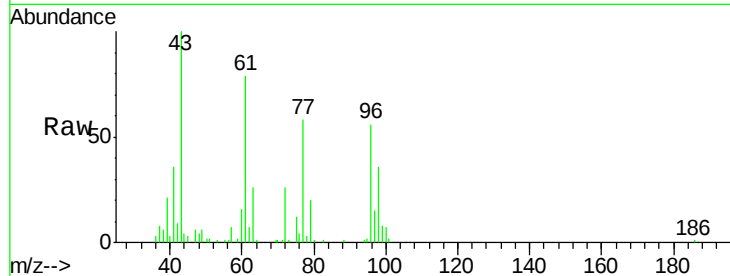
72 26.2 20.5 30.7

Manual Integrations

APPROVED

MMDadoda

1/10/2019 4:50:59 PM



#26

2,2-Dichloropropane

Concen: 19.026 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW008096.D

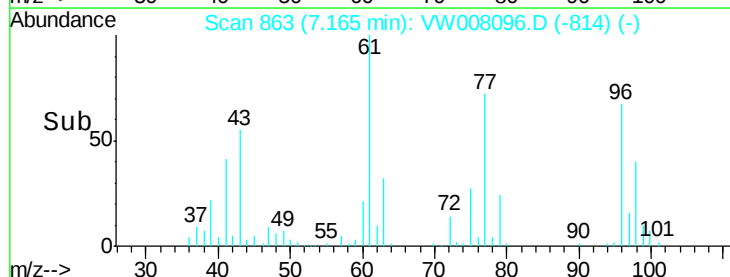
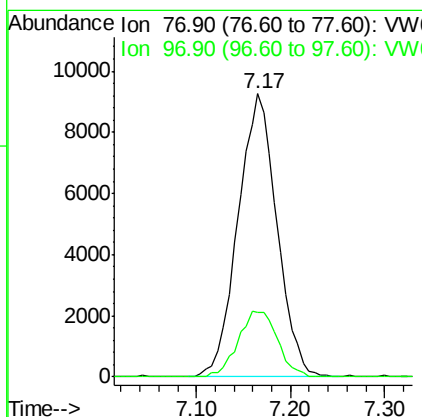
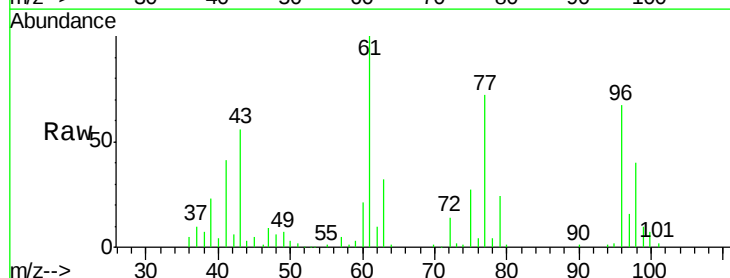
Acq: 09 Jan 2019 12:11

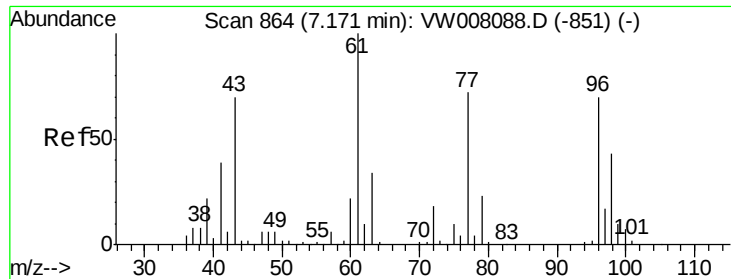
Tgt Ion: 77 Resp: 26737

Ion Ratio Lower Upper

77 100

97 23.6 11.4 34.1





#27

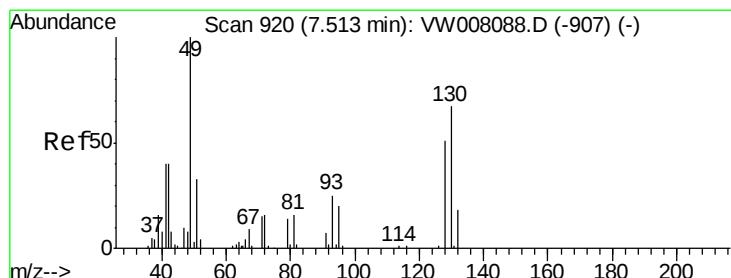
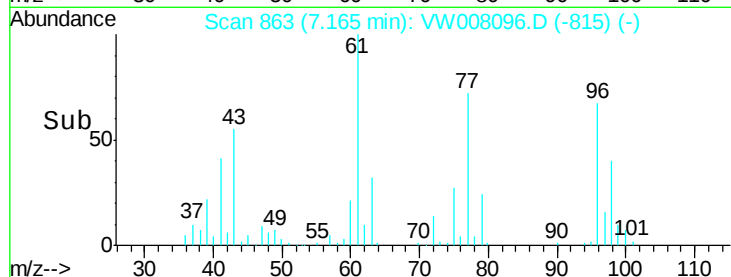
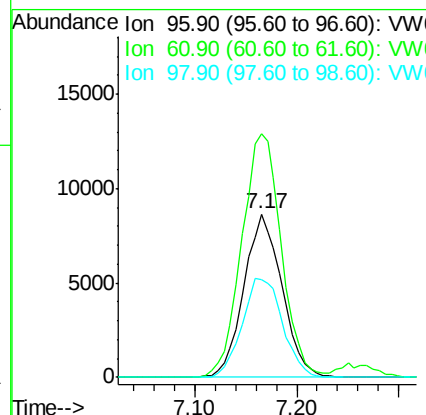
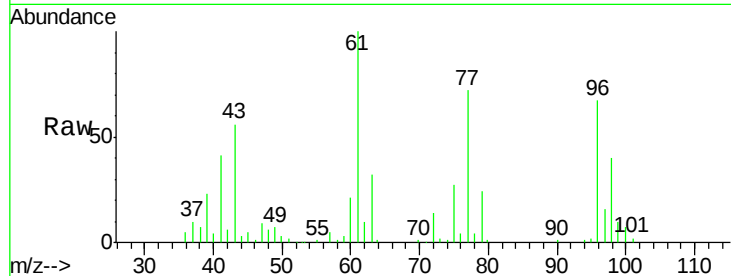
cis-1,2-Dichloroethene  
Concen: 18.304 ug/l  
RT: 7.17 min Scan# 863  
Delta R.T. -0.01 min  
Lab File: VW008096.D  
Acq: 09 Jan 2019 12:11

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0109SBS01

| Tot Ion   | 96    | Resp  | 22310 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 61        | 155.7 | 0.0   | 300.4 |
| 98        | 64.3  | 0.0   | 128.4 |

Manual Integrations  
APPROVED

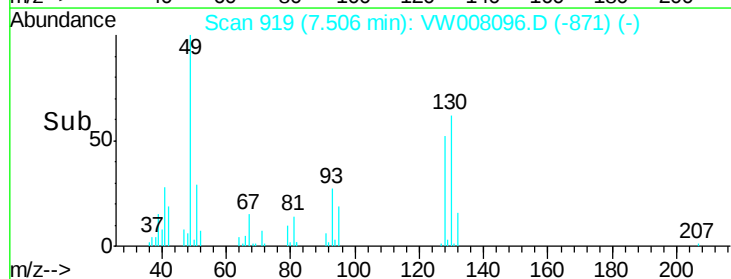
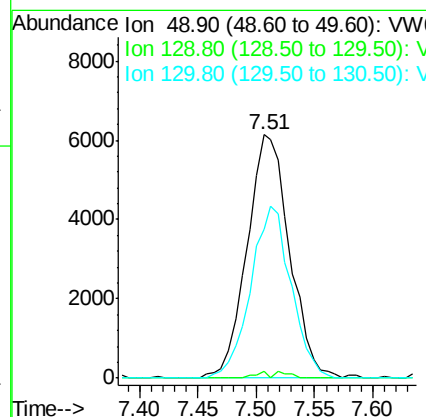
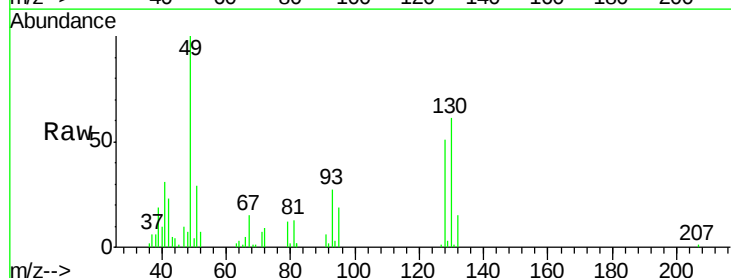
MMDadoda  
1/10/2019 4:50:59 PM

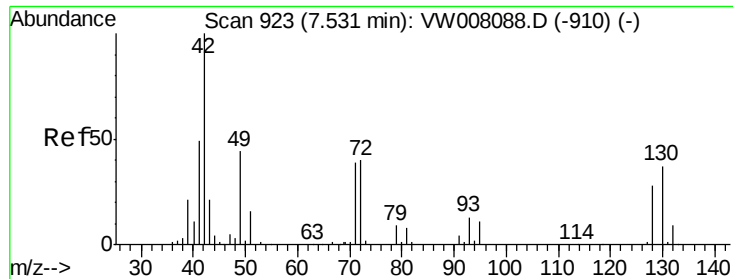


#28

Bromochloromethane  
Concen: 18.941 ug/l  
RT: 7.51 min Scan# 919  
Delta R.T. -0.01 min  
Lab File: VW008096.D  
Acq: 09 Jan 2019 12:11

| Tgt Ion                                              | 49  | Resp  | 15538 |
|------------------------------------------------------|-----|-------|-------|
| Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td> | 100 | Lower | Upper |
| 129                                                  | 0.7 | 0.0   | 2.8   |
| 130                                                  | 0.0 | 54.3  | 81.5# |





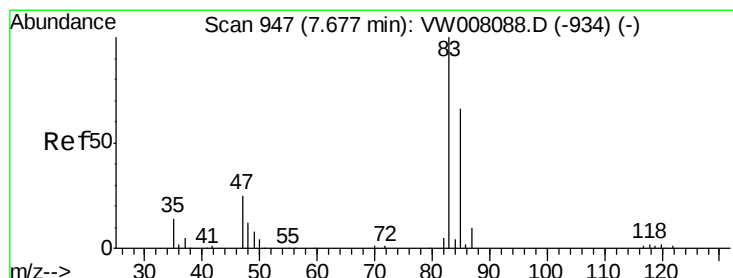
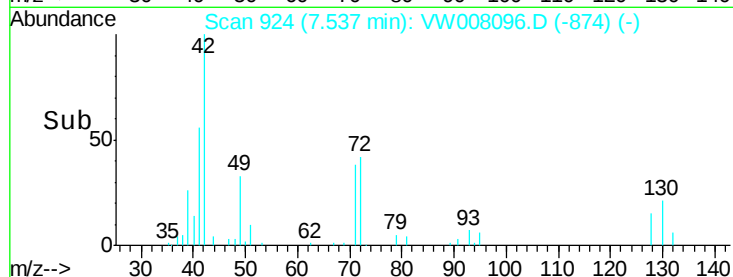
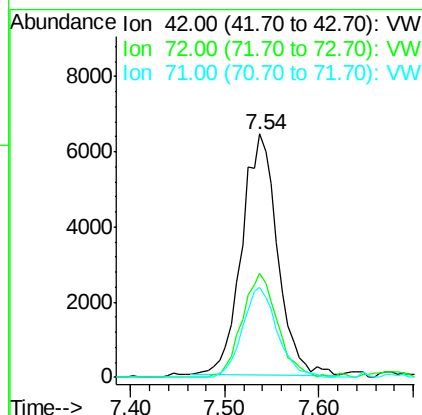
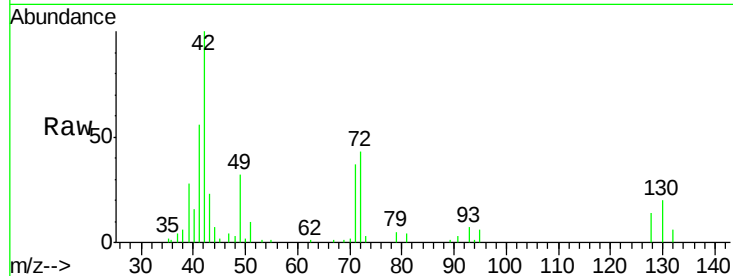
#29  
Tetrahydrofuran  
Concen: 87.050 ug/l  
RT: 7.54 min Scan# 924  
Delta R.T. 0.01 min  
Lab File: VW008096.D  
Acq: 09 Jan 2019 12:11

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0109SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 42.3  | 32.4  | 48.6  |
| 71      | 36.2  | 31.3  | 46.9  |

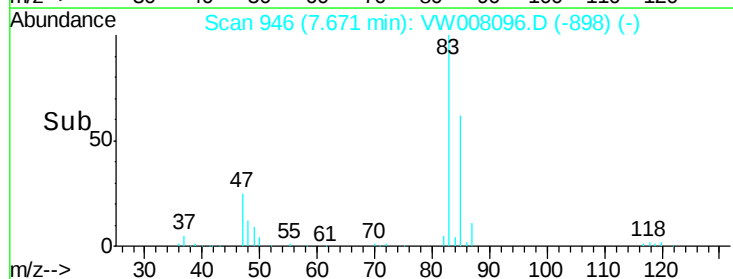
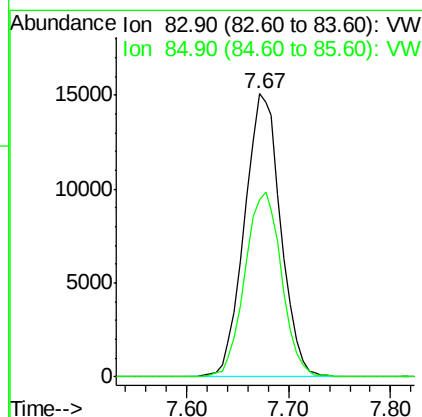
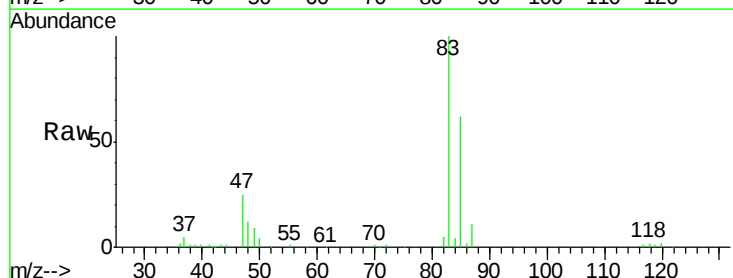
Manual Integrations  
APPROVED

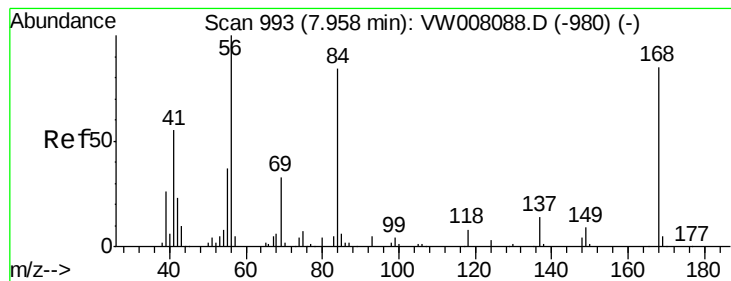
MMDadoda  
1/10/2019 4:50:59 PM



#30  
Chloroform  
Concen: 18.835 ug/l  
RT: 7.67 min Scan# 946  
Delta R.T. -0.01 min  
Lab File: VW008096.D  
Acq: 09 Jan 2019 12:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 62.4  | 53.2  | 79.8  |





#31

Cyclohexane

Concen: 18.408 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA\_W

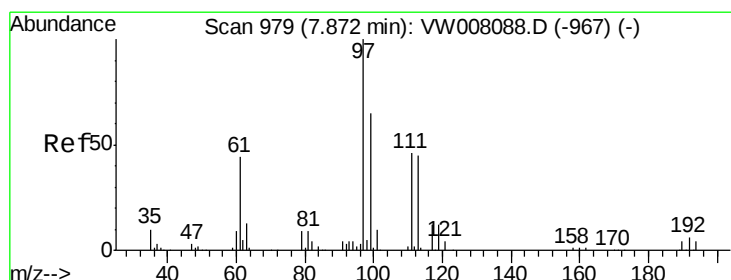
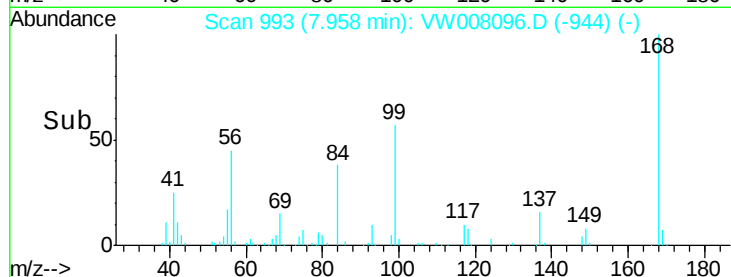
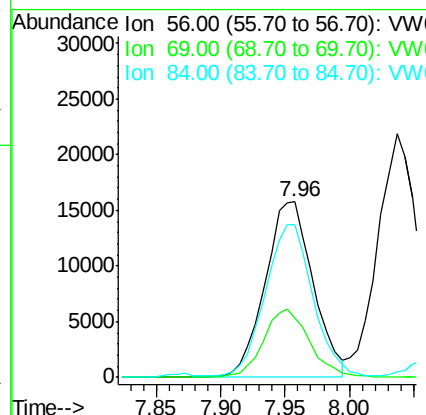
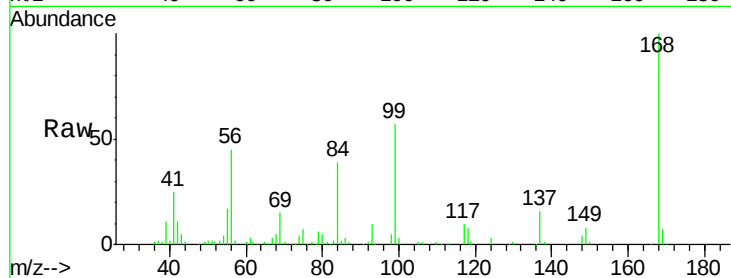
ClientSampleId :

VW0109SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 56    | Resp: | 40870 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 34.2  | 26.2  | 39.4  |
| 84       | 85.9  | 67.4  | 101.2 |

Manual Integrations  
APPROVED

MMDadoda  
1/10/2019 4:50:59 PM



#32

1,1,1-Trichloroethane

Concen: 18.433 ug/l

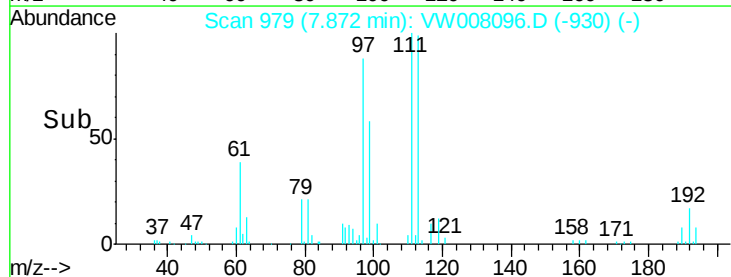
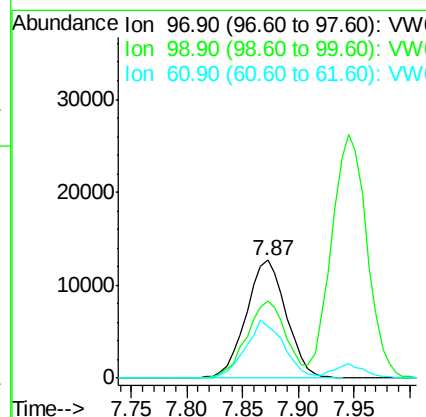
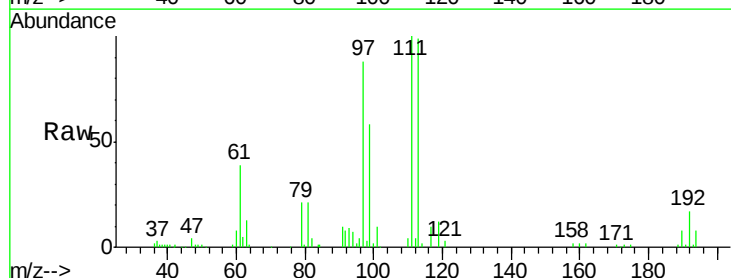
RT: 7.87 min Scan# 979

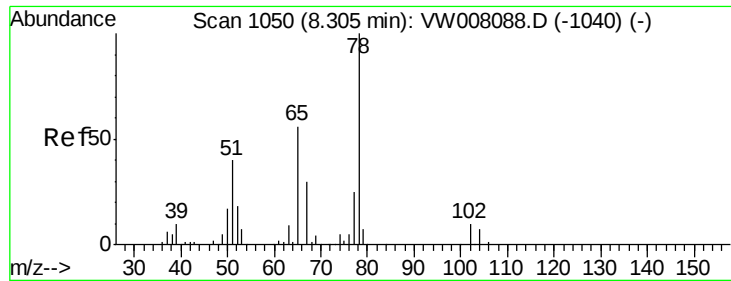
Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 31663 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 65.9  | 51.4  | 77.0  |
| 61       | 46.9  | 35.6  | 53.4  |





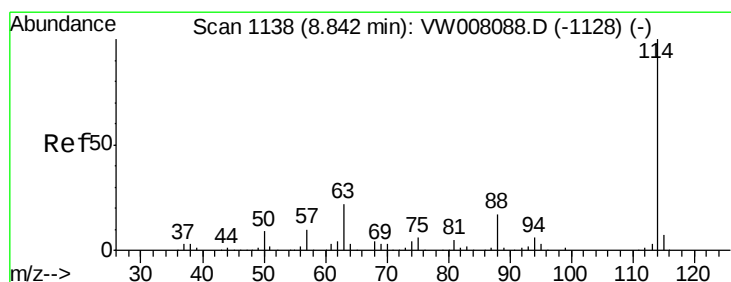
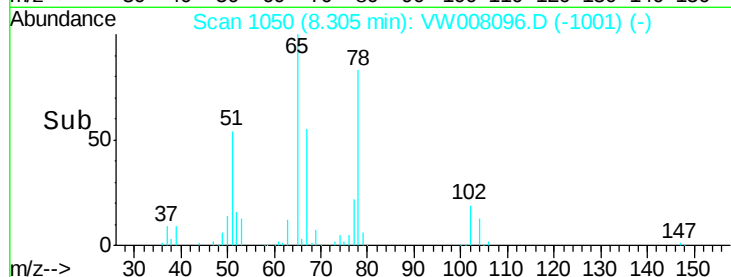
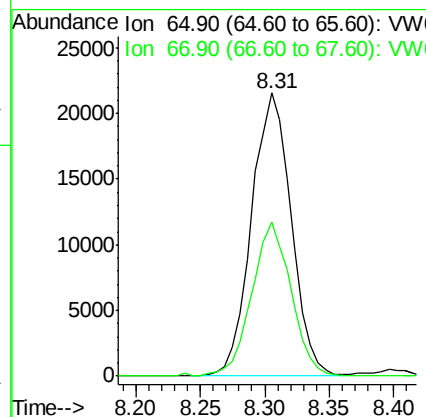
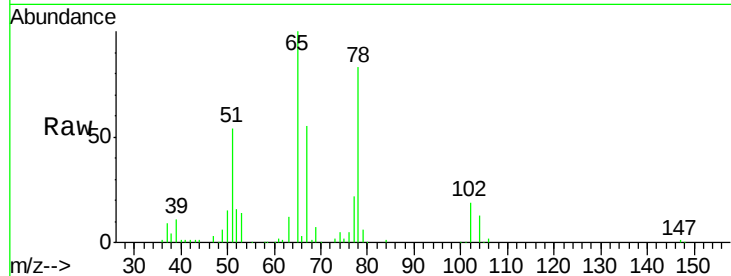
#33  
 1,2-Dichloroethane-d4  
 Concen: 43.480 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. -0.00 min  
 Lab File: VW008096.D  
 Acq: 09 Jan 2019 12:11

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0109SBS01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 65      | 100   | 45873 |       |       |
| 67      | 53.8  | 0.0   | 106.8 |       |

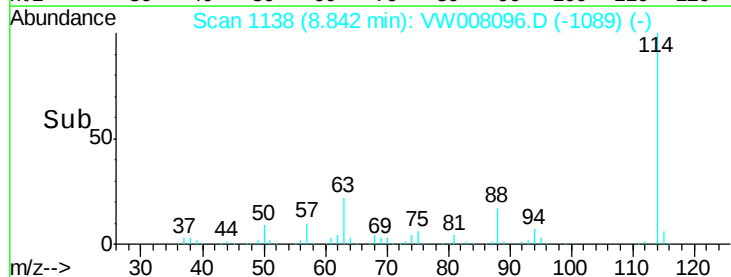
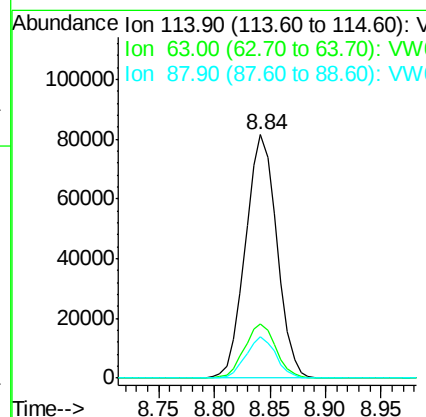
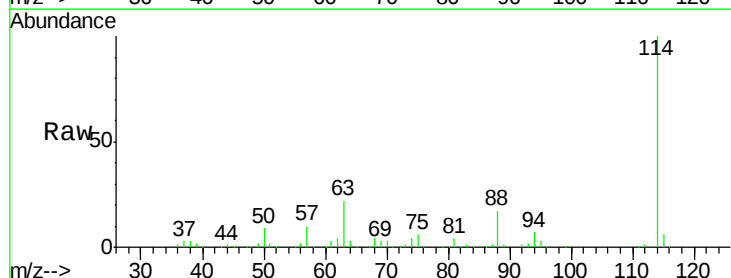
Manual Integrations  
 APPROVED

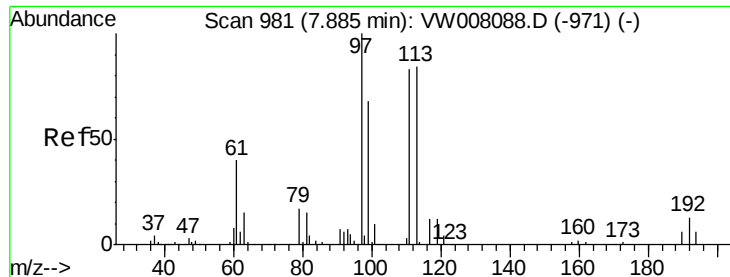
MMDadoda  
 1/10/2019 4:50:59 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW008096.D  
 Acq: 09 Jan 2019 12:11

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 159690 |       |       |
| 63      | 22.4  | 0.0    | 43.4  |       |
| 88      | 17.1  | 0.0    | 33.4  |       |





#35

Dibromofluoromethane

Concen: 47.058 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA\_W

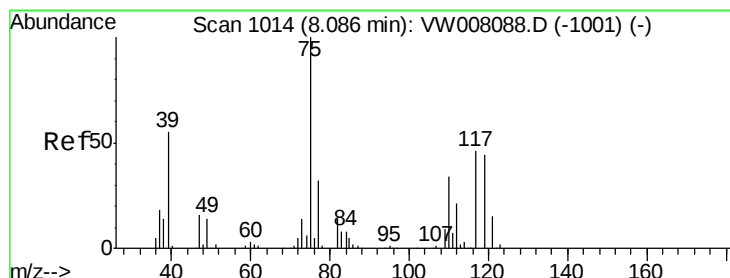
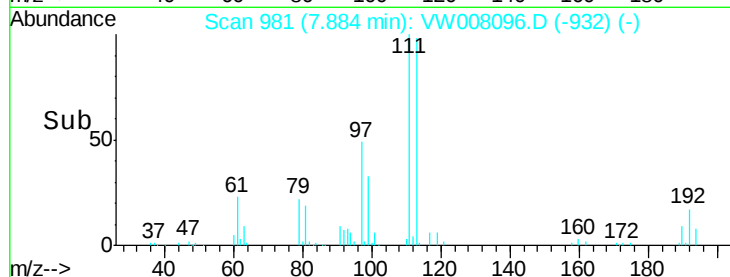
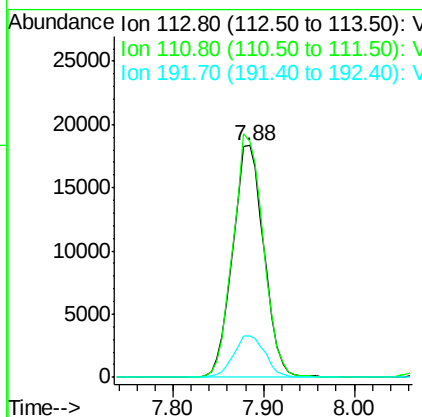
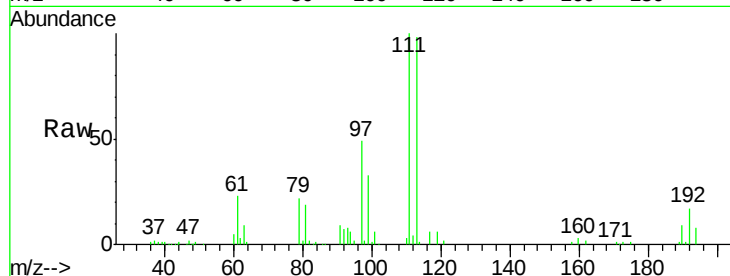
ClientSampled :

VW0109SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 113   | Resp: | 43829 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.3 | 81.8  | 122.8 |
| 192      | 18.1  | 12.8  | 19.2  |

Manual Integrations  
APPROVED

MMDadoda  
1/10/2019 4:50:59 PM



#36

1,1-Dichloropropene

Concen: 19.303 ug/l

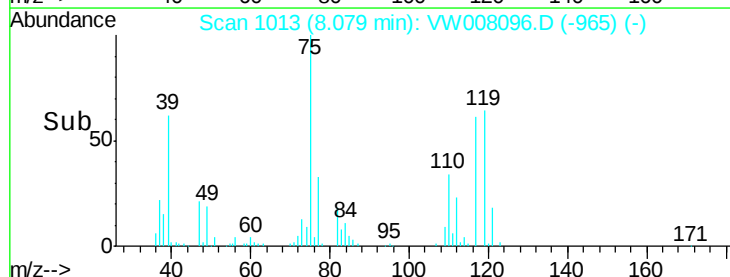
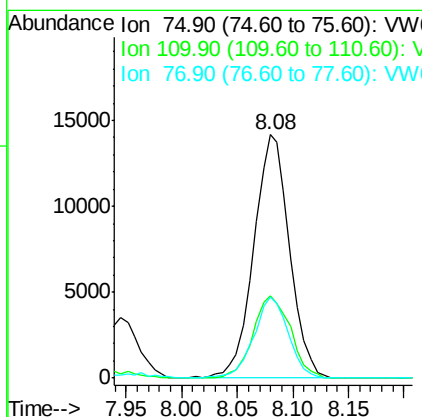
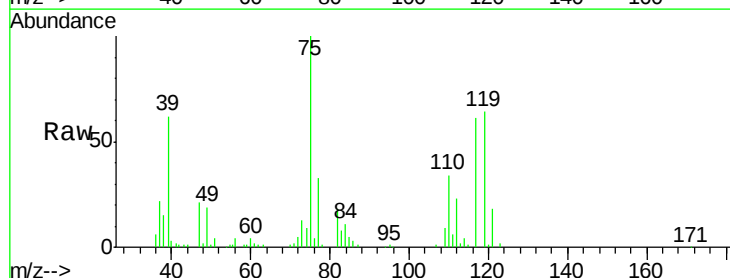
RT: 8.08 min Scan# 1013

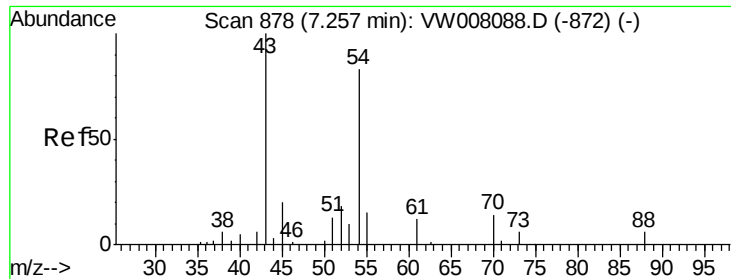
Delta R.T. -0.01 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 31753 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 35.1  | 17.1  | 51.3  |
| 77       | 32.0  | 25.5  | 38.3  |





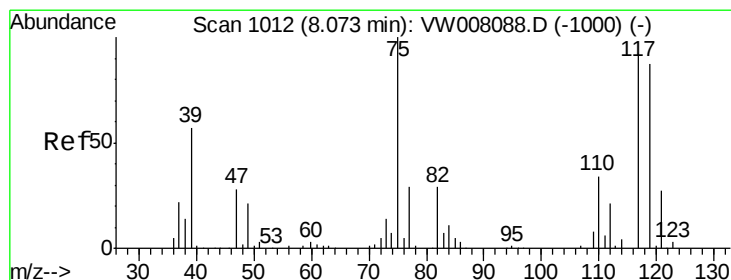
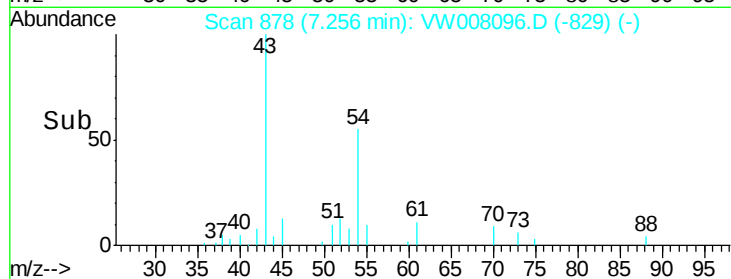
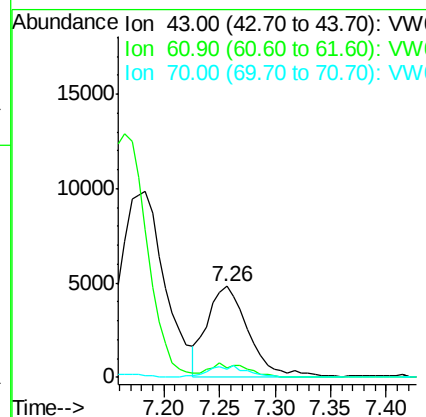
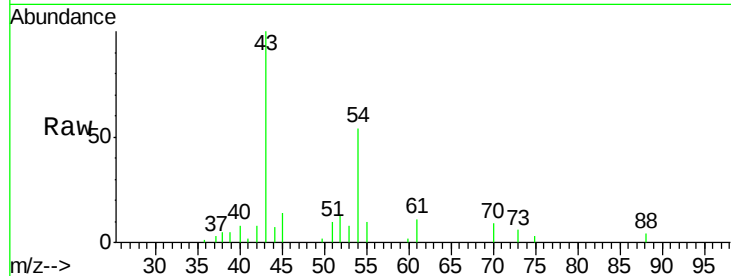
#37  
Ethyl Acetate  
Concen: 19.078 ug/l  
RT: 7.26 min Scan# 878  
Delta R.T. -0.00 min  
Lab File: VW008096.D  
Acq: 09 Jan 2019 12:11

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0109SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.0  | 10.6  | 16.0  |
| 70      | 11.6  | 8.9   | 13.3  |

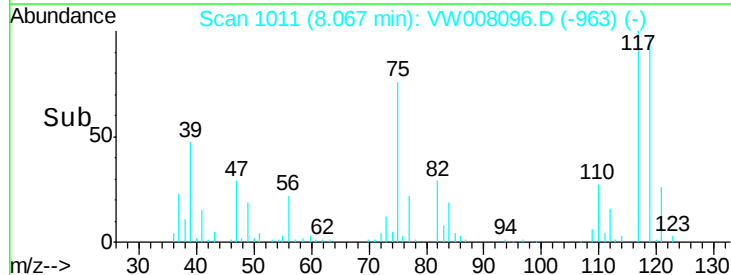
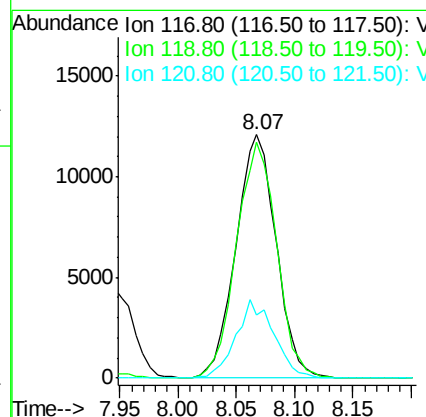
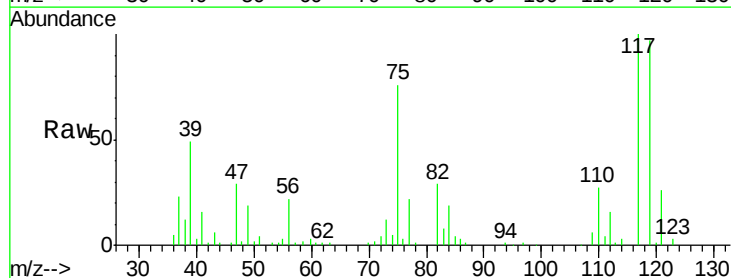
Manual Integrations  
APPROVED

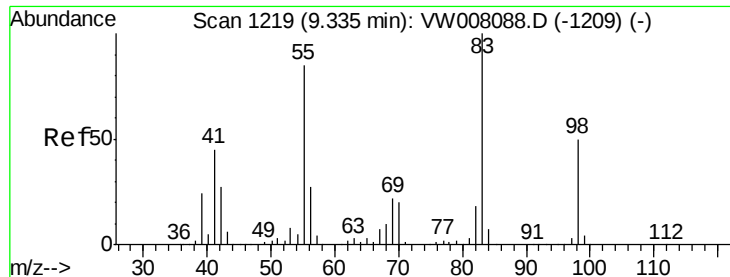
MMDadoda  
1/10/2019 4:50:59 PM



#38  
Carbon Tetrachloride  
Concen: 19.366 ug/l  
RT: 8.07 min Scan# 1011  
Delta R.T. -0.01 min  
Lab File: VW008096.D  
Acq: 09 Jan 2019 12:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.7  | 75.8  | 113.8 |
| 121     | 26.0  | 23.7  | 35.5  |





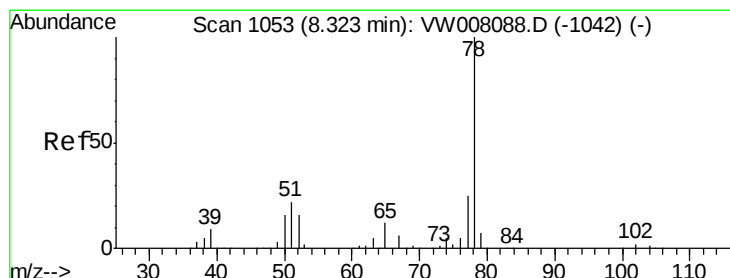
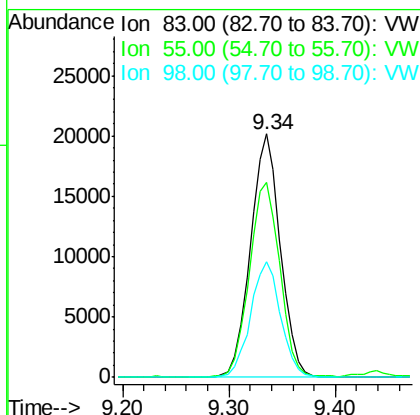
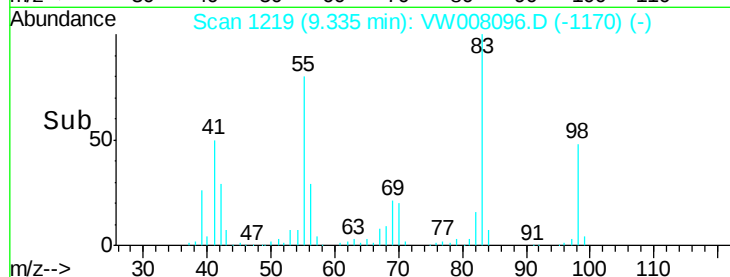
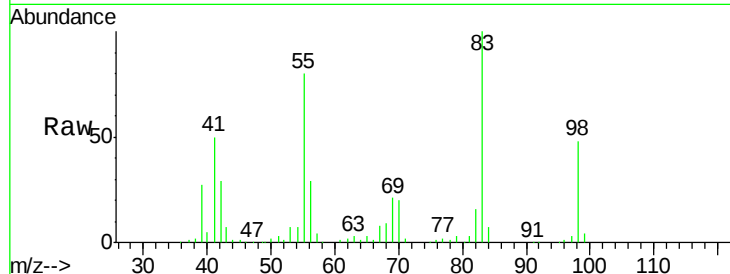
#39  
Methvlcvclohexane  
Concen: 19.039 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. -0.00 min  
Lab File: VW008096.D  
Acq: 09 Jan 2019 12:11

Instrument :  
MSVOA\_W  
ClientSampled :  
VW0109SBS01

| Tot Ion   | 83    | Resp  | 39712 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 55        | 80.0  | 67.8  | 101.6 |
| 98        | 47.7  | 40.2  | 60.4  |

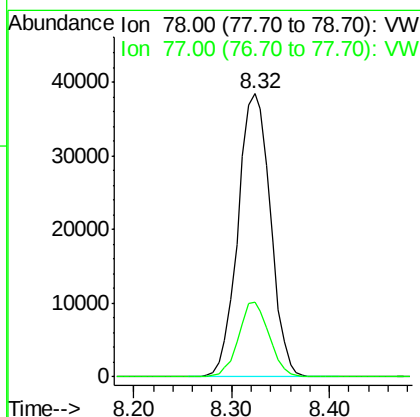
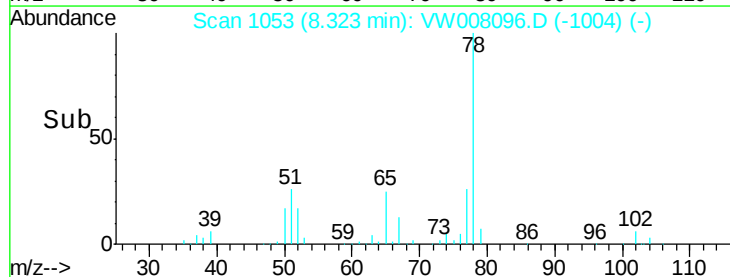
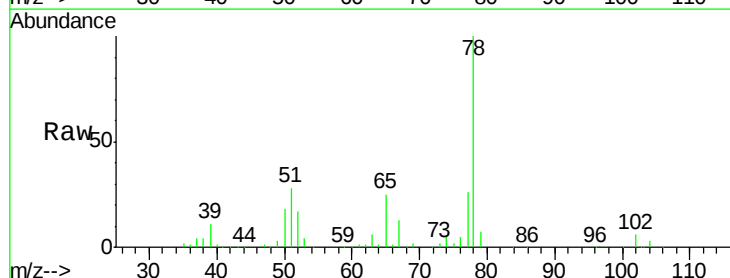
Manual Integrations  
APPROVED

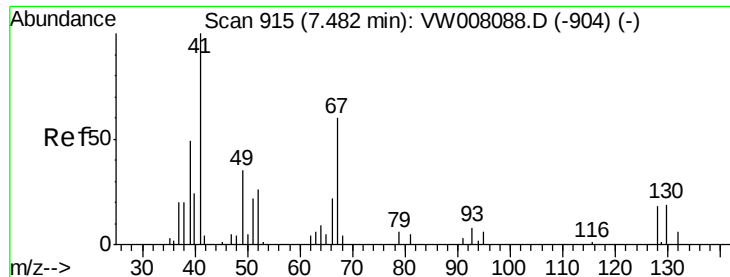
MMDadoda  
1/10/2019 4:50:59 PM



#40  
Benzene  
Concen: 19.772 ug/l  
RT: 8.32 min Scan# 1053  
Delta R.T. -0.00 min  
Lab File: VW008096.D  
Acq: 09 Jan 2019 12:11

| Tgt Ion   | 78    | Resp  | 88215 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 78        | 100   |       |       |
| 77        | 26.5  | 20.2  | 30.4  |





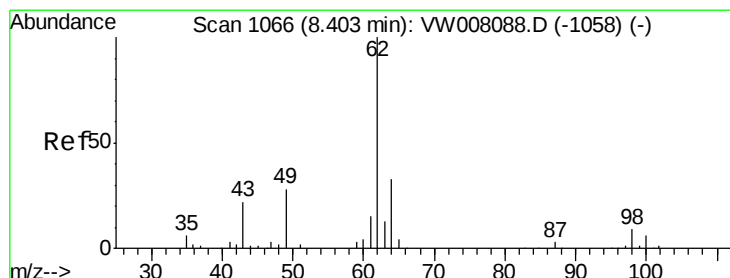
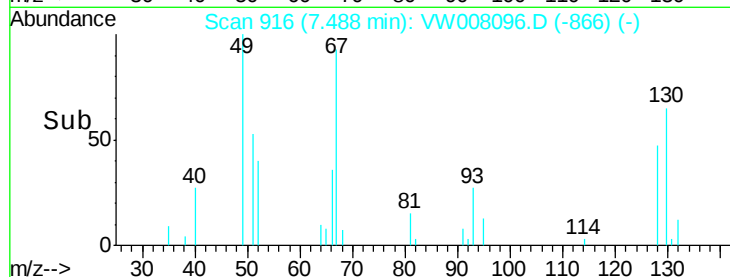
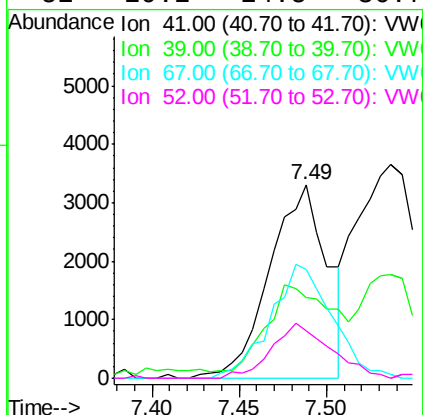
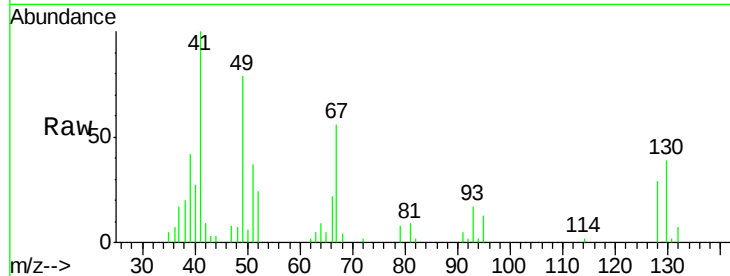
#41  
Methacrylonitrile  
Concen: 18.251 ug/l  
RT: 7.49 min Scan# 916  
Delta R.T. 0.01 min  
Lab File: VW008096.D  
Acq: 09 Jan 2019 12:11

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0109SBS01

| Tot Ion | 41    | Resp  | 7598  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 41      | 100   |       |       |
| 39      | 51.9  | 47.9  | 71.9  |
| 67      | 62.9  | 56.3  | 84.5  |
| 52      | 29.2  | 24.5  | 36.7  |

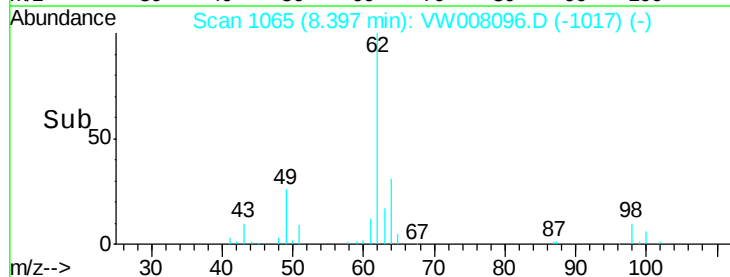
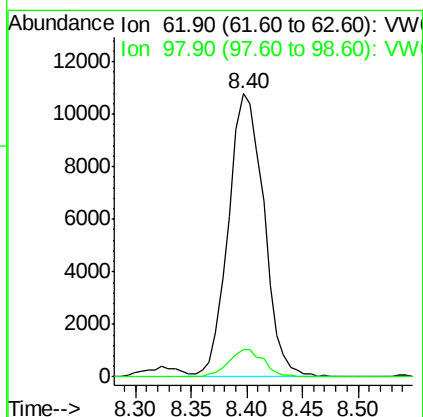
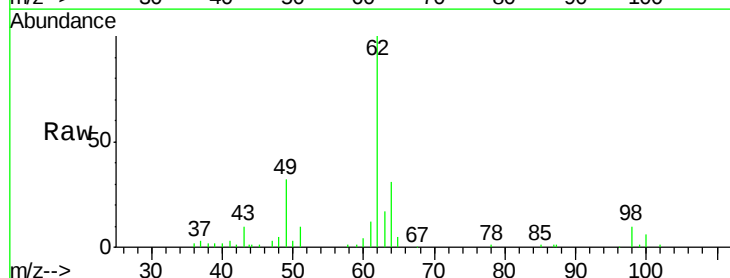
Manual Integrations  
APPROVED

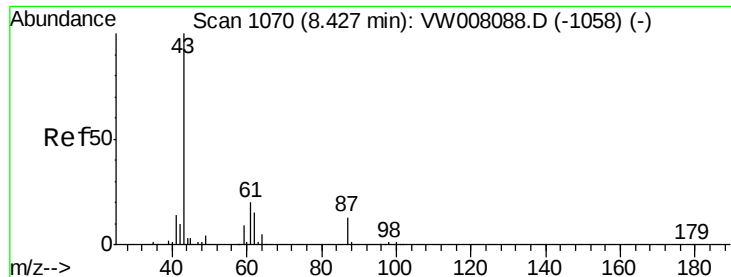
MMDadoda  
1/10/2019 4:50:59 PM



#42  
1,2-Dichloroethane  
Concen: 19.024 ug/l  
RT: 8.40 min Scan# 1065  
Delta R.T. -0.01 min  
Lab File: VW008096.D  
Acq: 09 Jan 2019 12:11

| Tgt Ion | 62    | Resp  | 23872 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 62      | 100   |       |       |
| 98      | 9.5   | 0.0   | 18.6  |





#43

Isopropyl Acetate

Concen: 18.683 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA\_W

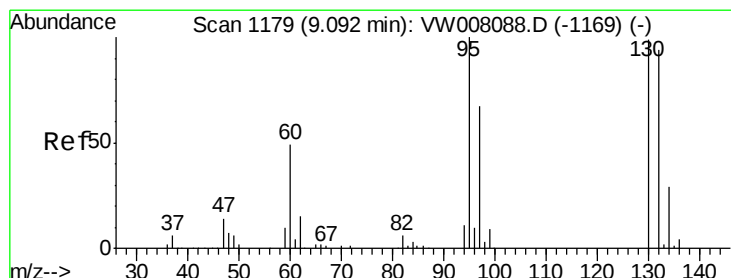
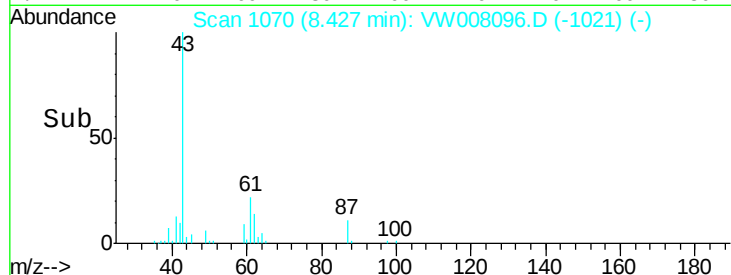
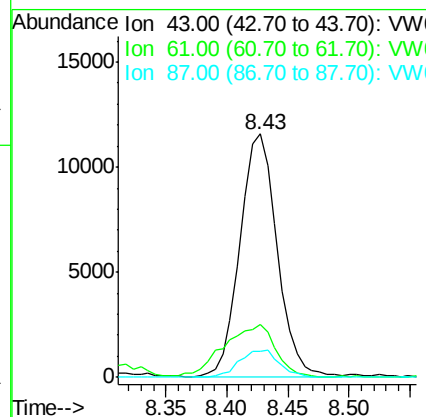
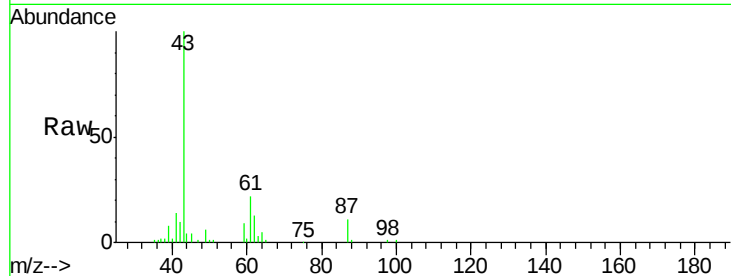
ClientSampled :

VW0109SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 24617 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 30.0  | 24.8  | 37.2  |
| 87       | 11.9  | 10.4  | 15.6  |

Manual Integrations  
APPROVED

MMDadoda  
1/10/2019 4:50:59 PM



#44

Trichloroethene

Concen: 18.926 ug/l

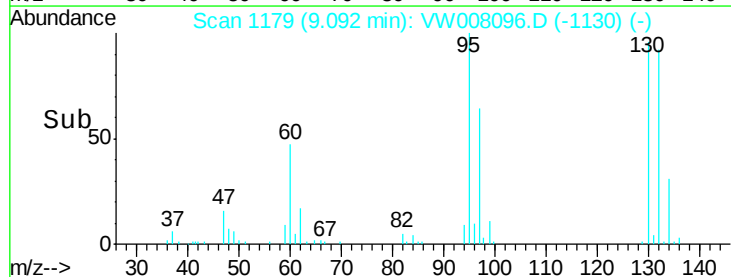
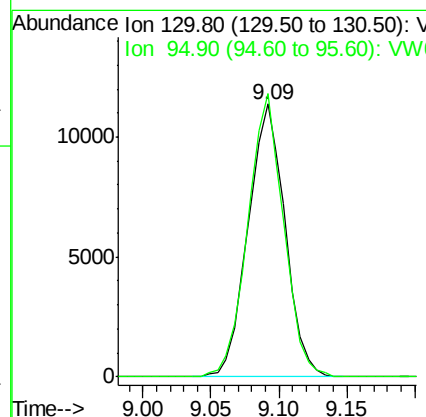
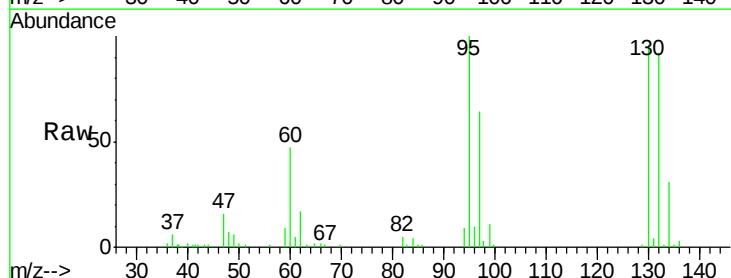
RT: 9.09 min Scan# 1179

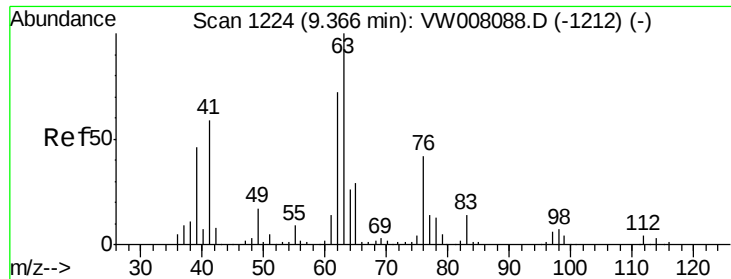
Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 21616 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 103.8 | 0.0   | 202.8 |





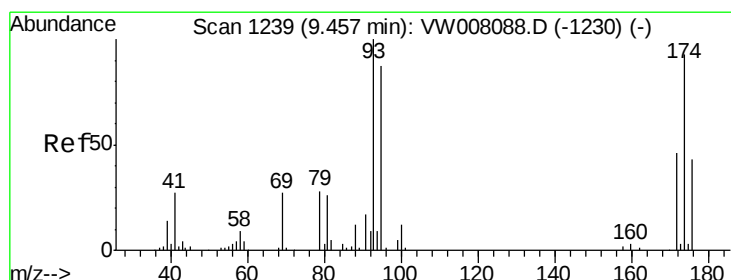
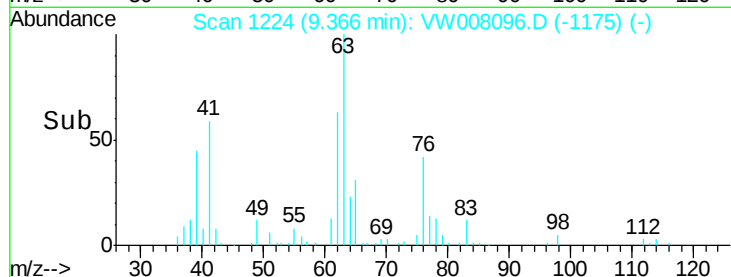
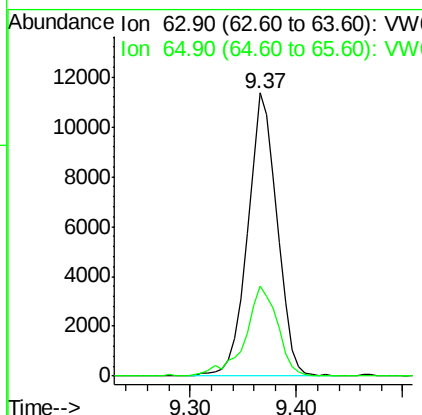
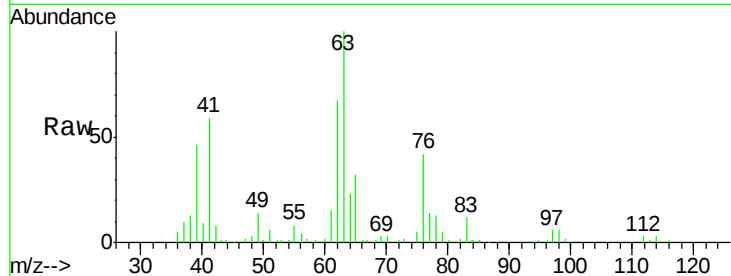
#45  
 1,2-Dichloropropane  
 Concen: 19.895 ug/l  
 RT: 9.37 min Scan# 1224  
 Delta R.T. -0.00 min  
 Lab File: VW008096.D  
 Acq: 09 Jan 2019 12:11

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0109SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 31.9  | 23.3  | 34.9  |

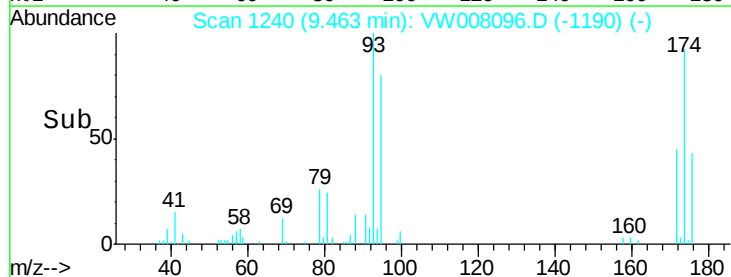
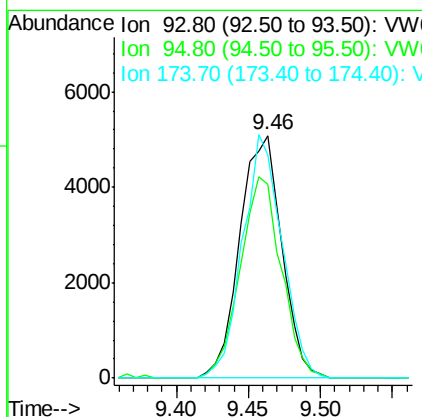
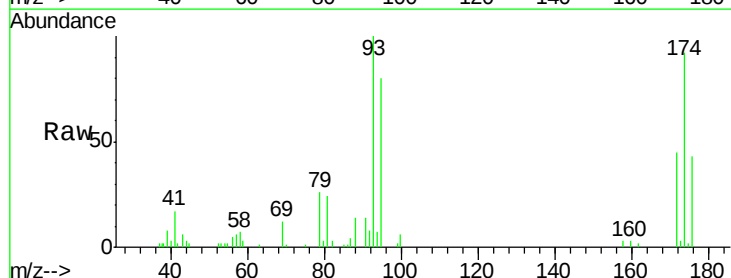
Manual Integrations  
 APPROVED

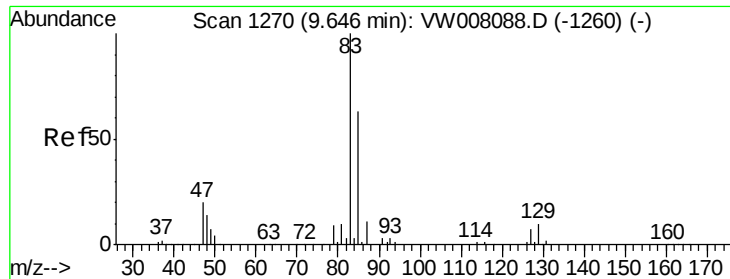
MMDadoda  
 1/10/2019 4:50:59 PM



#46  
 Dibromomethane  
 Concen: 18.875 ug/l  
 RT: 9.46 min Scan# 1240  
 Delta R.T. 0.01 min  
 Lab File: VW008096.D  
 Acq: 09 Jan 2019 12:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 81.5  | 67.5  | 101.3 |
| 174     | 94.3  | 72.5  | 108.7 |





#47

Bromodichloromethane

Concen: 18.936 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA\_W

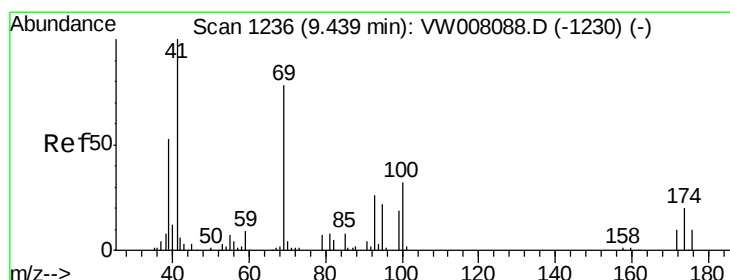
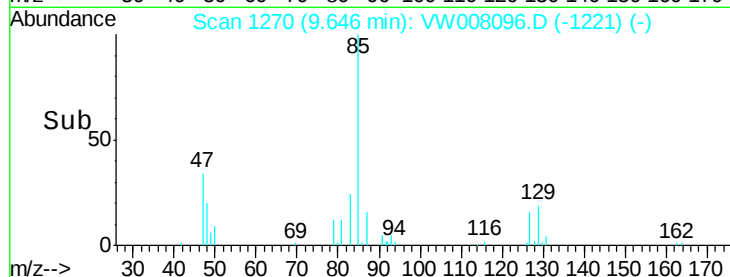
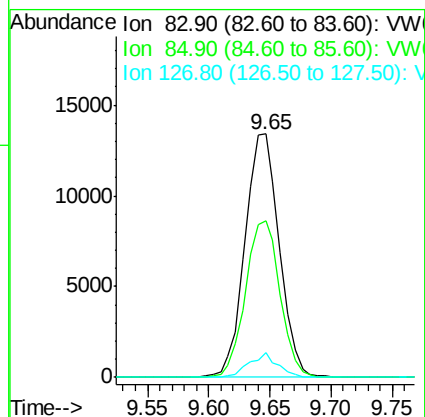
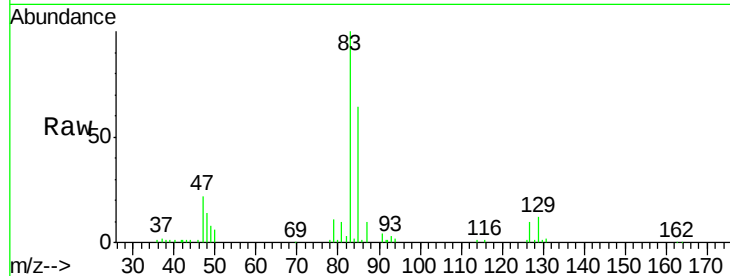
ClientSampleId :

VW0109SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 26123 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 64.1  | 50.7  | 76.1  |
| 127       | 10.2  | 6.0   | 9.0#  |

Manual Integrations  
APPROVED

MMDadoda  
1/10/2019 4:50:59 PM



#48

Methyl methacrylate

Concen: 18.527 ug/l

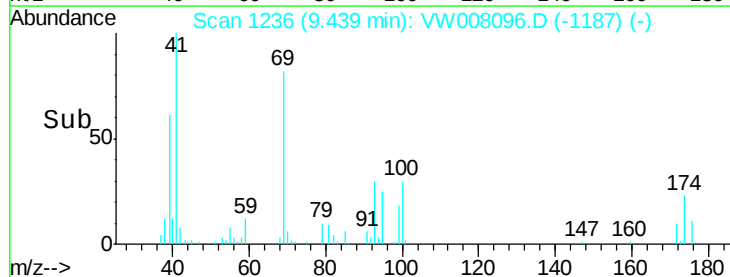
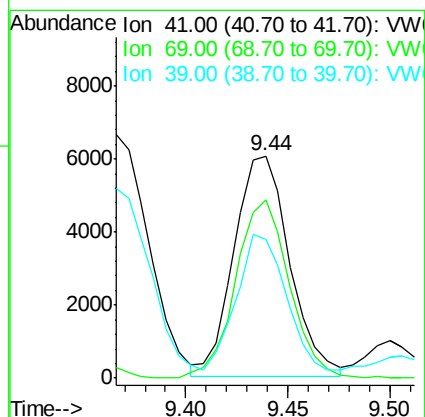
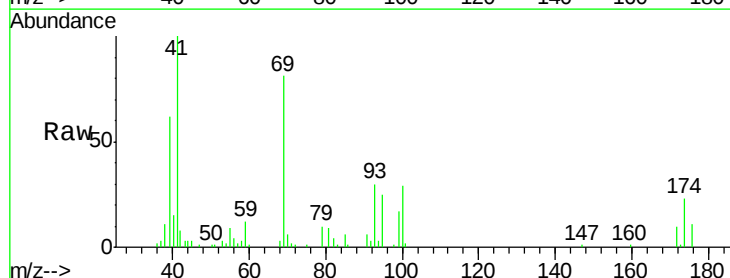
RT: 9.44 min Scan# 1236

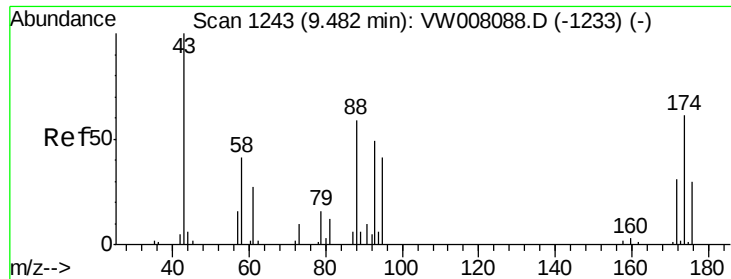
Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 11519 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 77.5  | 61.9  | 92.9  |
| 39        | 53.9  | 43.0  | 64.4  |





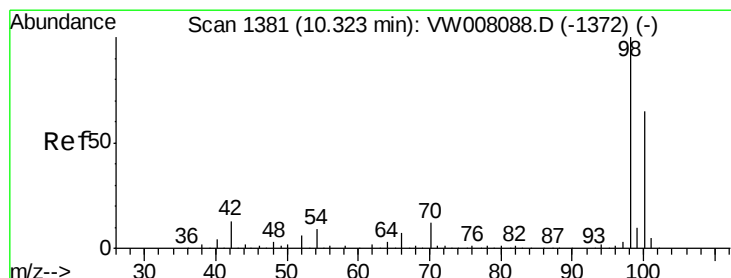
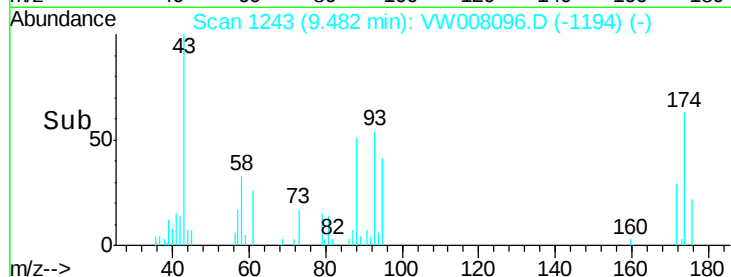
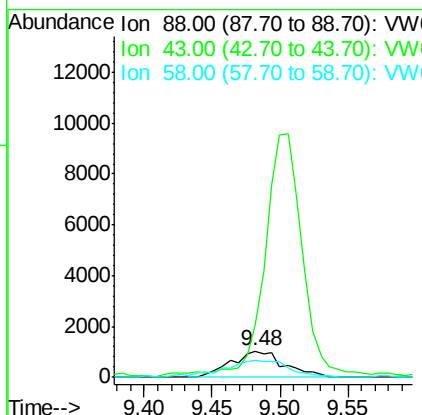
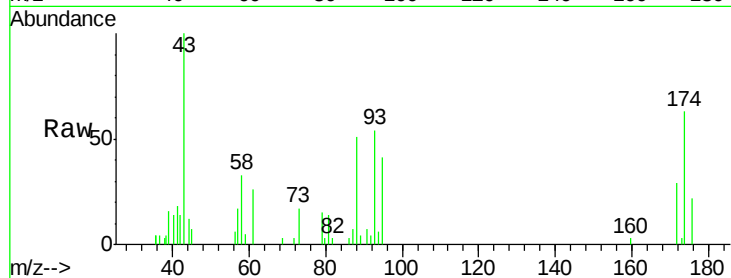
#49  
1,4-Dioxane  
Concen: 322.180 ug/l  
RT: 9.48 min Scan# 1243  
Delta R.T. -0.00 min  
Lab File: VW008096.D  
Acq: 09 Jan 2019 12:11

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0109SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 0.0   | 0.0   | 0.0   |
| 58      | 82.4  | 61.7  | 92.5  |

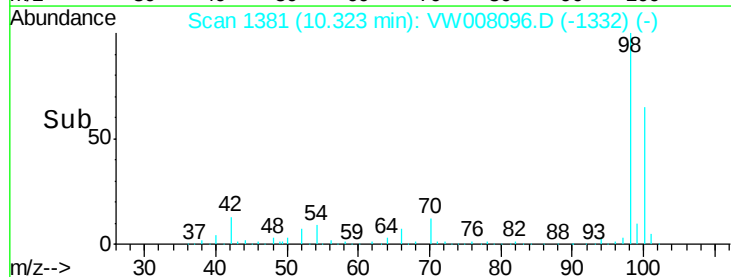
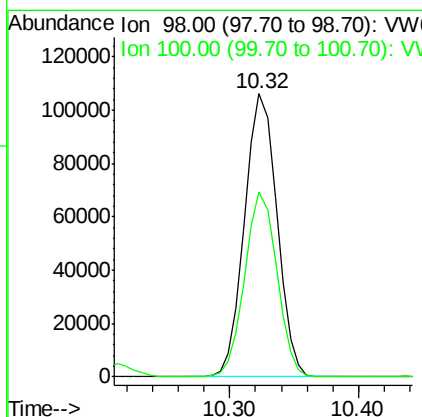
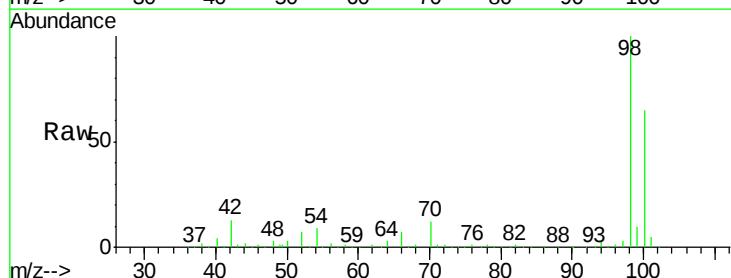
Manual Integrations  
APPROVED

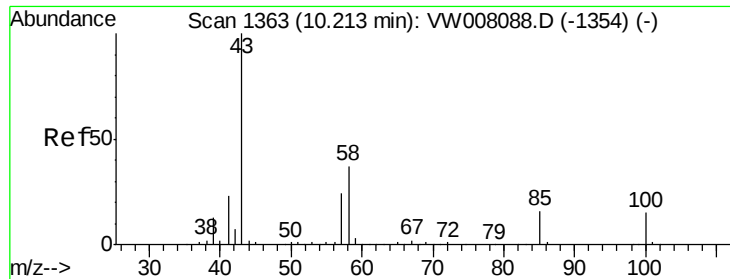
MMDadoda  
1/10/2019 4:50:59 PM



#50  
Toluene-d8  
Concen: 47.297 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. -0.00 min  
Lab File: VW008096.D  
Acq: 09 Jan 2019 12:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.5  | 51.7  | 77.5  |





#51

4-Methyl-2-Pentanone

Concen: 92.722 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA\_W

ClientSampleId :

VW0109SBS01

Tot Ion: 43 Resp: 59139

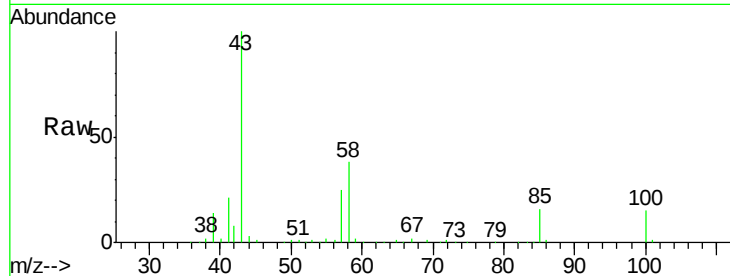
Ion Ratio Lower Upper

43 100

58 37.6 30.6 46.0

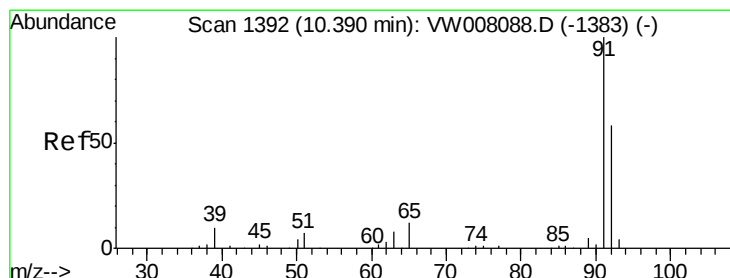
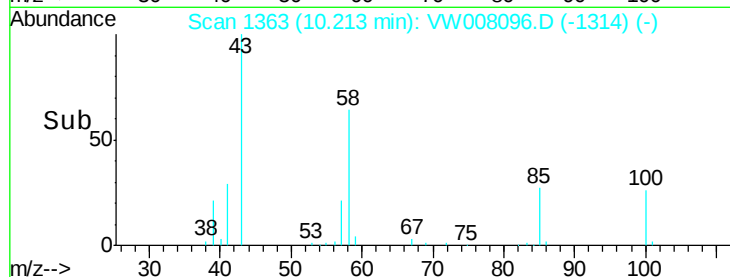
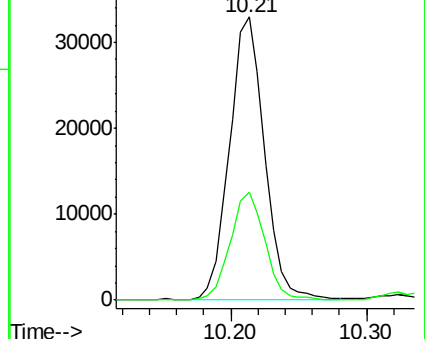
Manual Integrations  
APPROVED

MMDadoda  
1/10/2019 4:50:59 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 19.201 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW008096.D

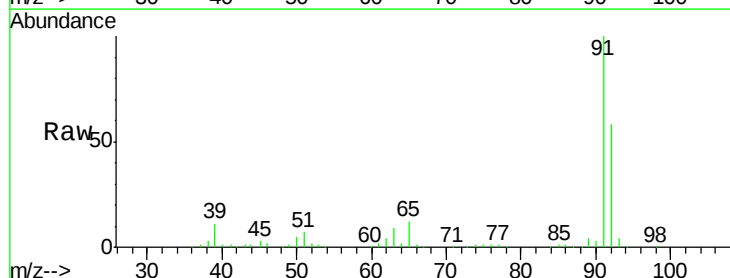
Acq: 09 Jan 2019 12:11

Tgt Ion: 92 Resp: 54710

Ion Ratio Lower Upper

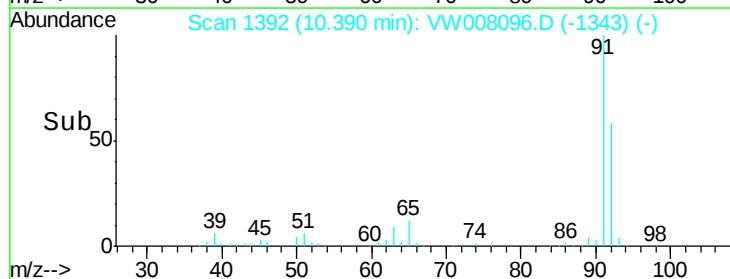
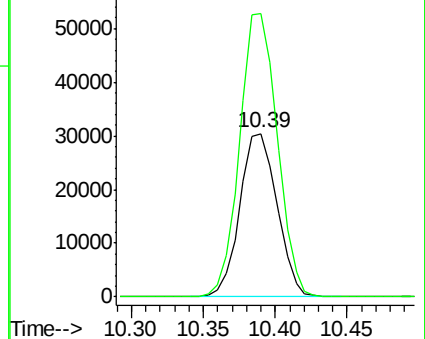
92 100

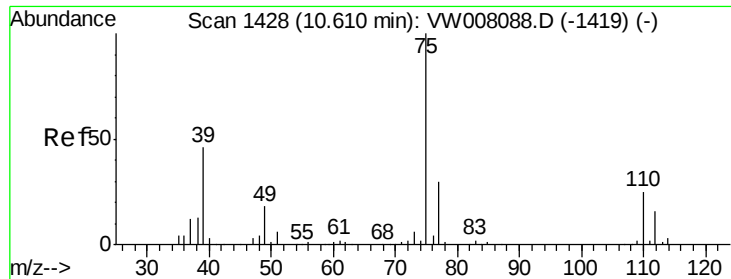
91 174.8 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





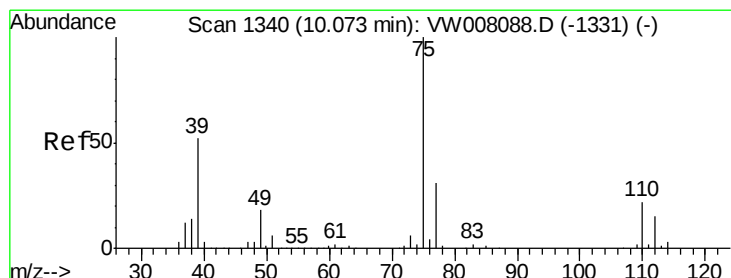
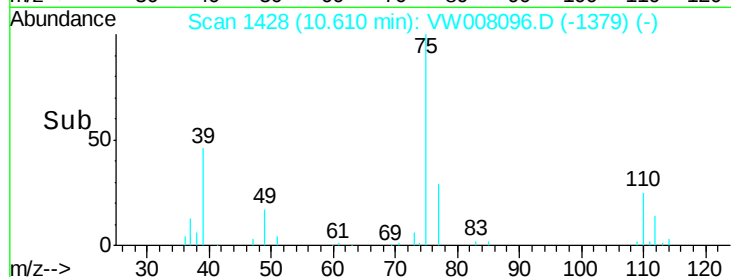
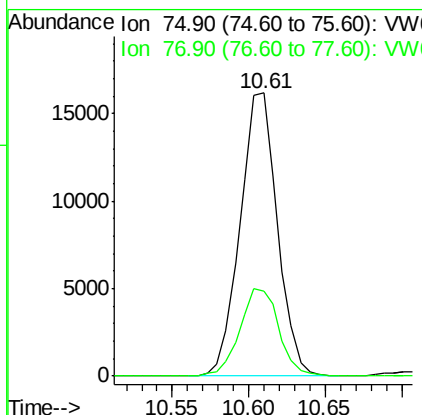
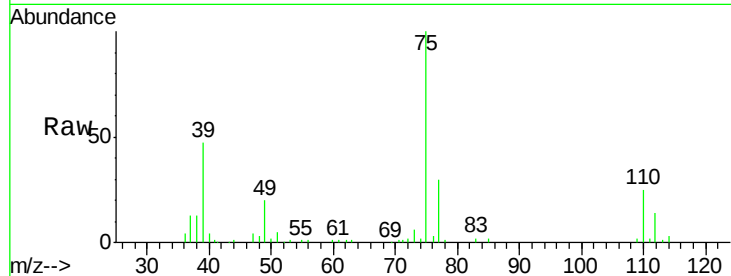
#53  
 t-1,3-Dichloropropene  
 Concen: 19.066 ug/l  
 RT: 10.61 min Scan# 1428  
 Delta R.T. -0.00 min  
 Lab File: VW008096.D  
 Acq: 09 Jan 2019 12:11

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0109SBS01

Tot Ion: 75 Resp: 27360  
 Ion Ratio Lower Upper  
 75 100  
 77 30.1 24.4 36.6

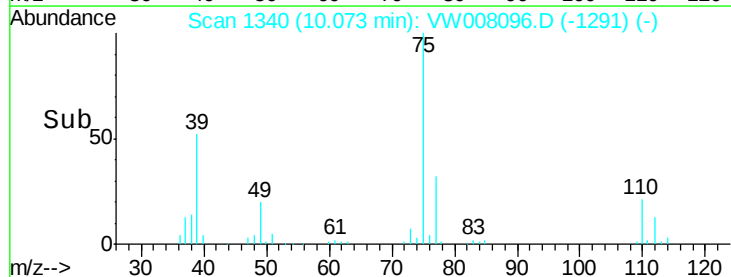
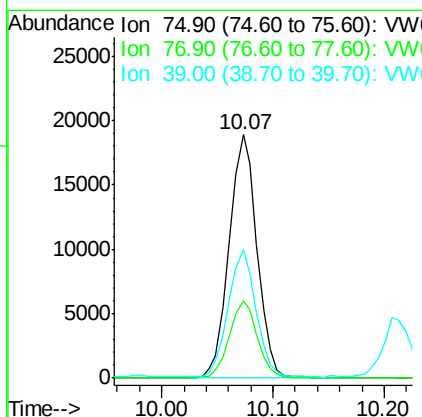
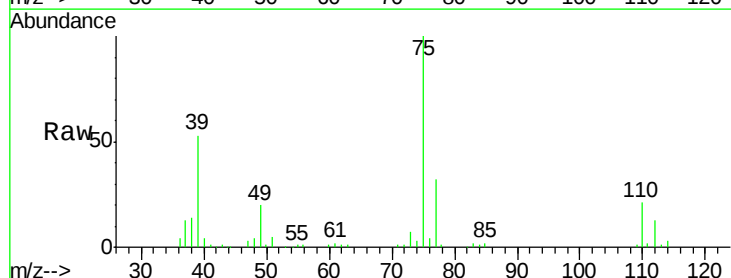
Manual Integrations  
 APPROVED

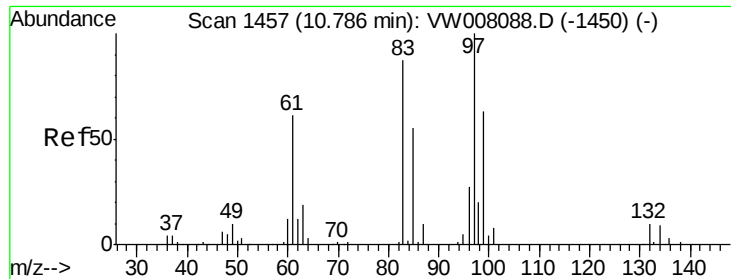
MMDadoda  
 1/10/2019 4:50:59 PM



#54  
 cis-1,3-Dichloropropene  
 Concen: 19.213 ug/l  
 RT: 10.07 min Scan# 1340  
 Delta R.T. -0.00 min  
 Lab File: VW008096.D  
 Acq: 09 Jan 2019 12:11

Tgt Ion: 75 Resp: 32694  
 Ion Ratio Lower Upper  
 75 100  
 77 31.7 25.2 37.8  
 39 52.4 41.4 62.0





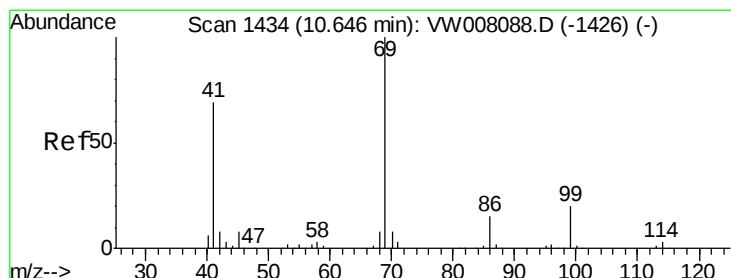
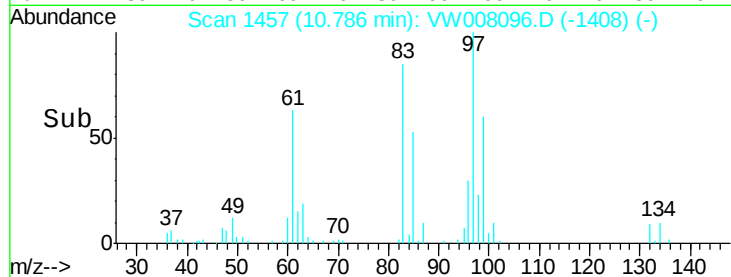
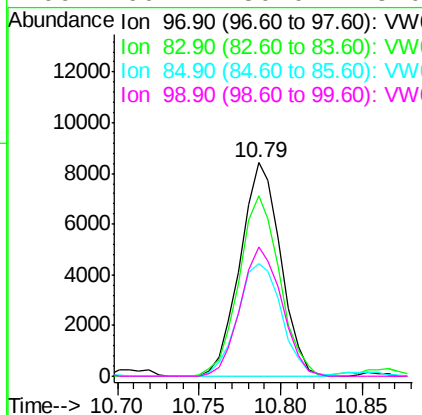
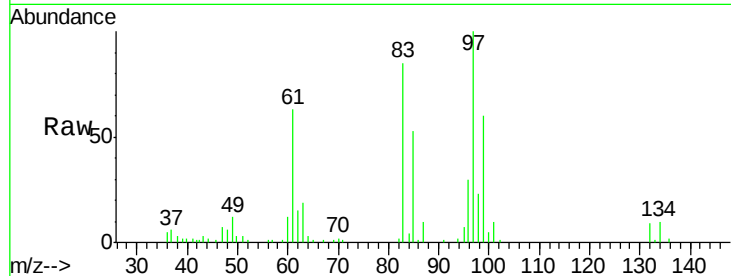
#55  
 1,1,2-Trichloroethane  
 Concen: 19.074 ug/l  
 RT: 10.79 min Scan# 1457  
 Delta R.T. -0.00 min  
 Lab File: VW008096.D  
 Acq: 09 Jan 2019 12:11

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0109SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 14550 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 84.5  | 69.3  | 103.9 |
| 85       | 52.7  | 43.8  | 65.6  |
| 99       | 60.4  | 50.0  | 75.0  |

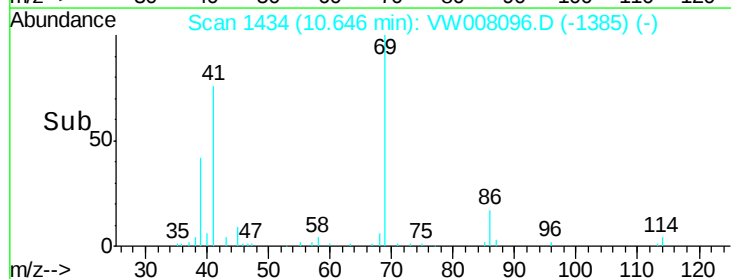
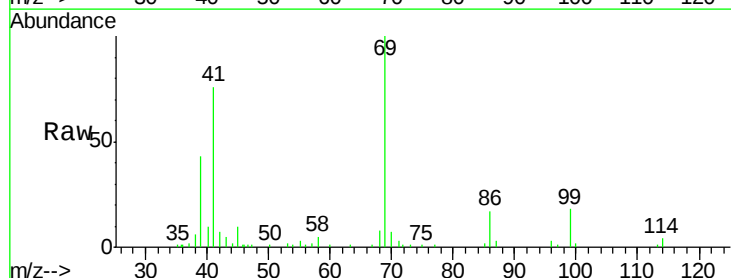
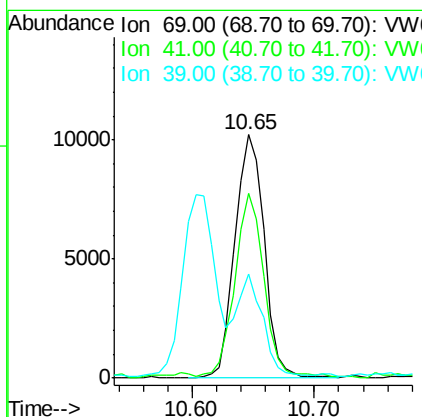
Manual Integrations  
 APPROVED

MMDadoda  
 1/10/2019 4:50:59 PM



#56  
 Ethyl methacrylate  
 Concen: 17.973 ug/l  
 RT: 10.65 min Scan# 1434  
 Delta R.T. -0.00 min  
 Lab File: VW008096.D  
 Acq: 09 Jan 2019 12:11

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 16978 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 76.8  | 56.4  | 84.6  |
| 39       | 37.2  | 28.1  | 42.1  |





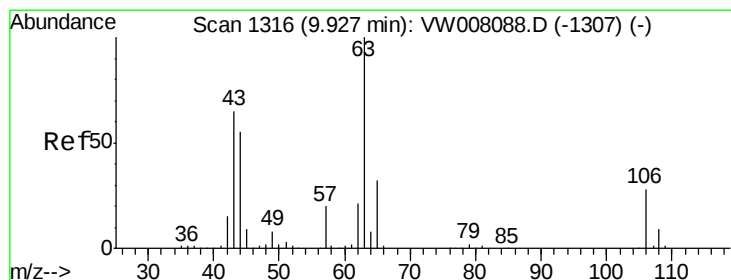
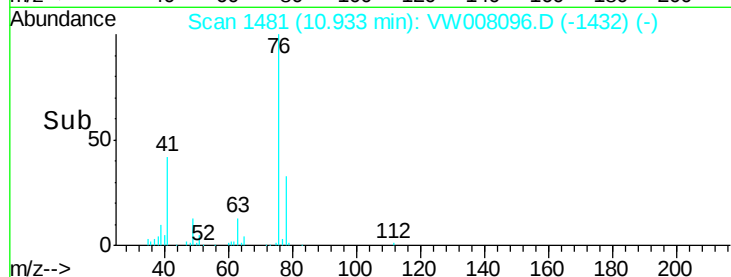
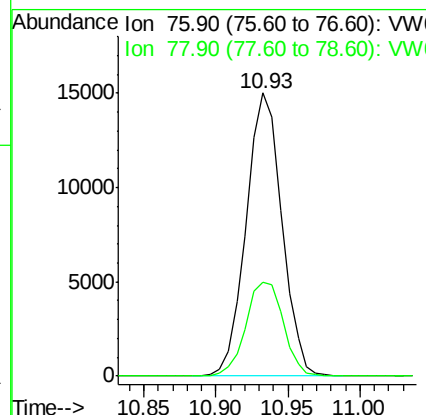
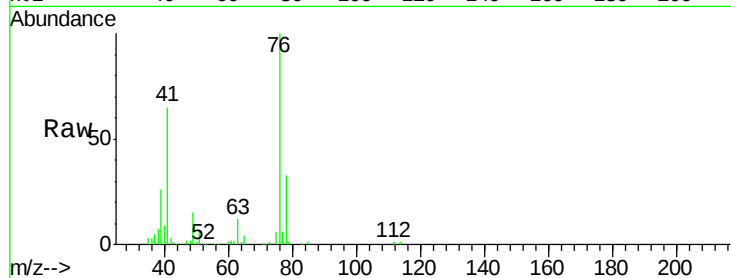
#57  
 1,3-Dichloropropane  
 Concen: 18.482 ug/l  
 RT: 10.93 min Scan# 1481  
 Delta R.T. -0.00 min  
 Lab File: VW008096.D  
 Acq: 09 Jan 2019 12:11

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0109SBS01

Tot Ion: 76 Resp: 25783  
 Ion Ratio Lower Upper  
 76 100  
 78 34.7 25.7 38.5

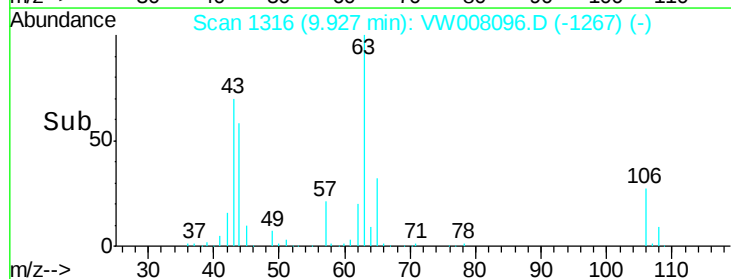
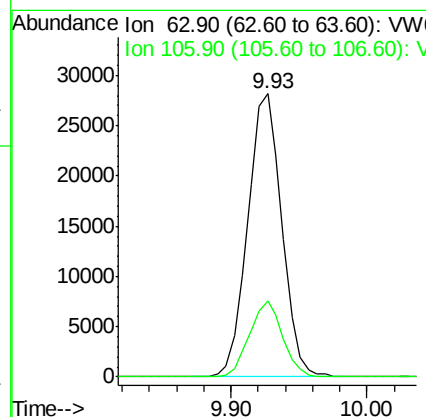
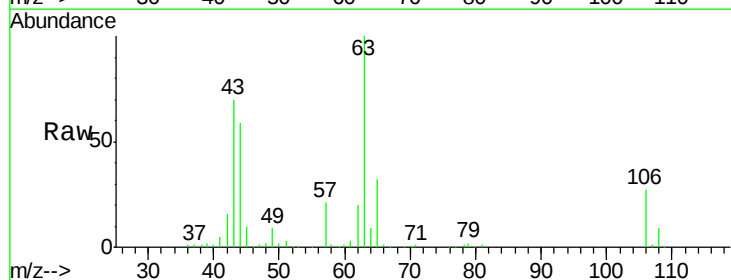
Manual Integrations  
 APPROVED

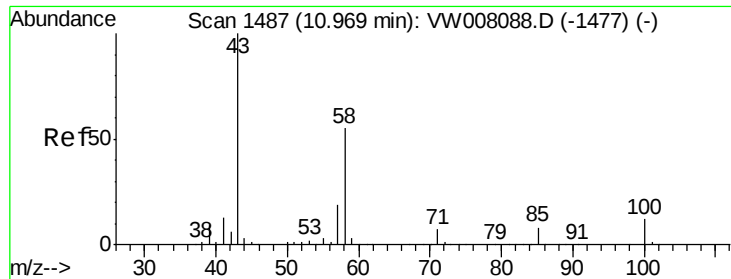
MMDadoda  
 1/10/2019 4:50:59 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 101.022 ug/l  
 RT: 9.93 min Scan# 1316  
 Delta R.T. -0.00 min  
 Lab File: VW008096.D  
 Acq: 09 Jan 2019 12:11

Tgt Ion: 63 Resp: 49295  
 Ion Ratio Lower Upper  
 63 100  
 106 26.1 21.8 32.6





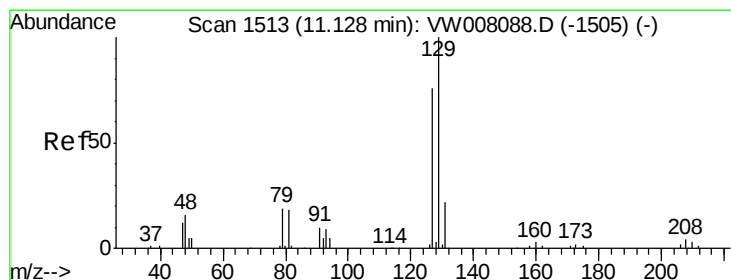
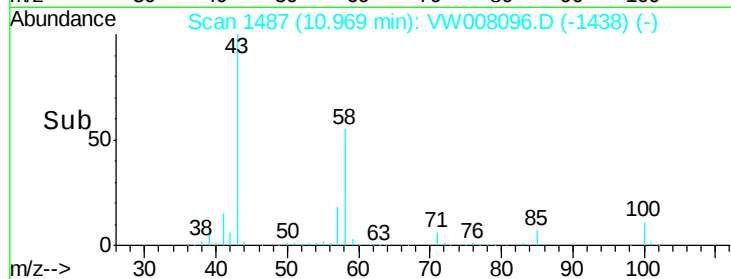
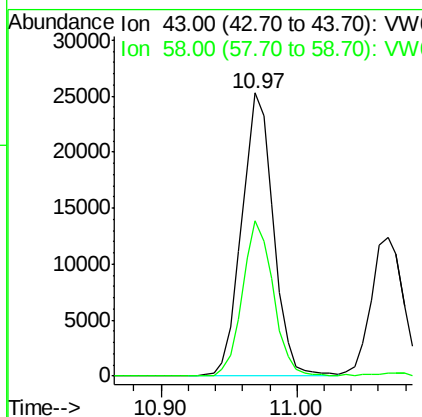
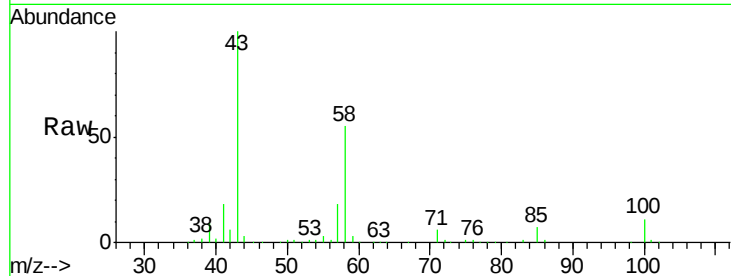
#59  
2-Hexanone  
Concen: 95.676 ug/l  
RT: 10.97 min Scan# 1487  
Delta R.T. -0.00 min  
Lab File: VW008096.D  
Acq: 09 Jan 2019 12:11

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0109SBS01

Tot Ion: 43 Resp: 41267  
Ion Ratio Lower Upper  
43 100  
58 53.2 27.2 81.5

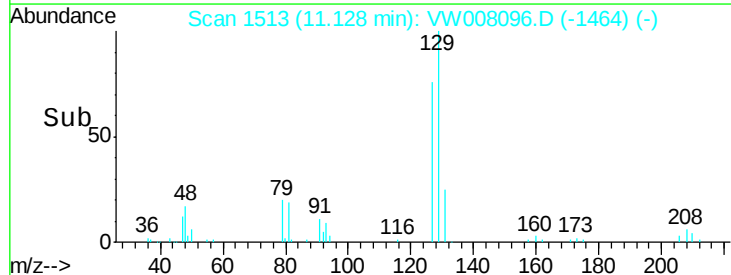
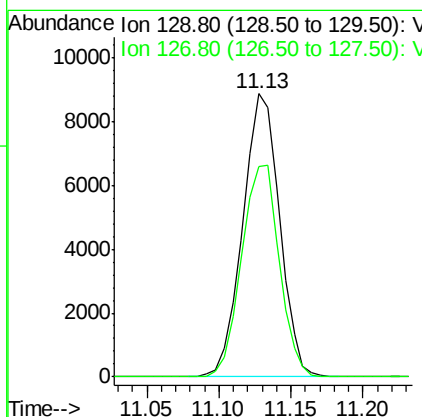
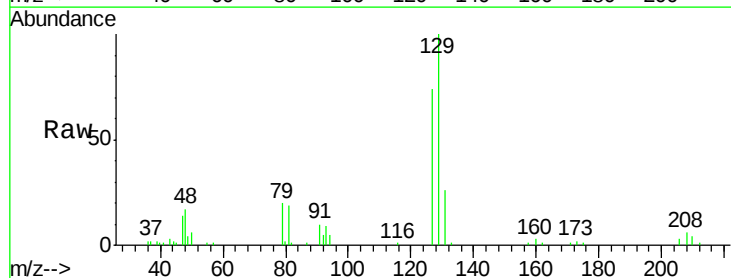
Manual Integrations  
APPROVED

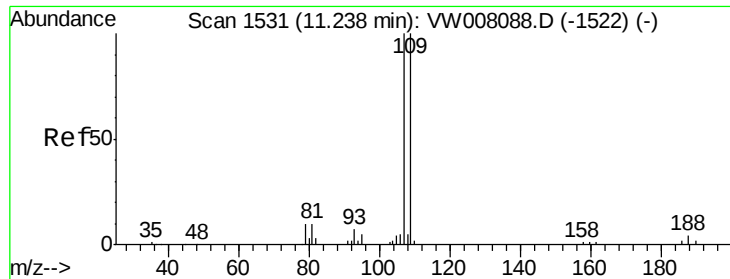
MMDadoda  
1/10/2019 4:50:59 PM



#60  
Dibromochloromethane  
Concen: 18.760 ug/l  
RT: 11.13 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: VW008096.D  
Acq: 09 Jan 2019 12:11

Tgt Ion: 129 Resp: 15714  
Ion Ratio Lower Upper  
129 100  
127 76.3 38.9 116.6





#61

1,2-Dibromoethane

Concen: 18.757 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA\_W

ClientSampleId :

VW0109SBS01

Tot Ion:107 Resp: 13576

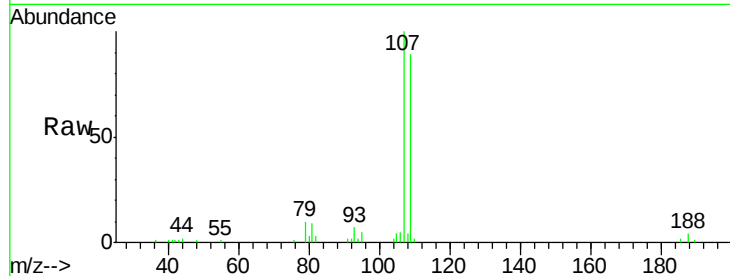
Ion Ratio Lower Upper

107 100

109 94.4 75.9 113.9

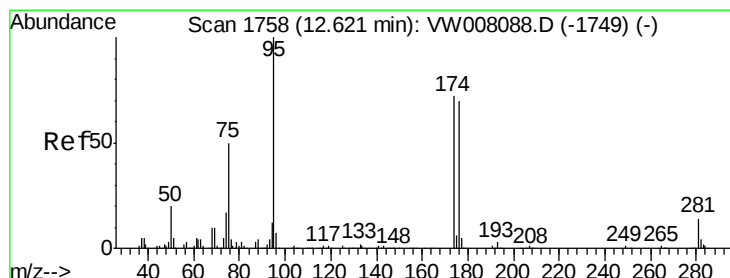
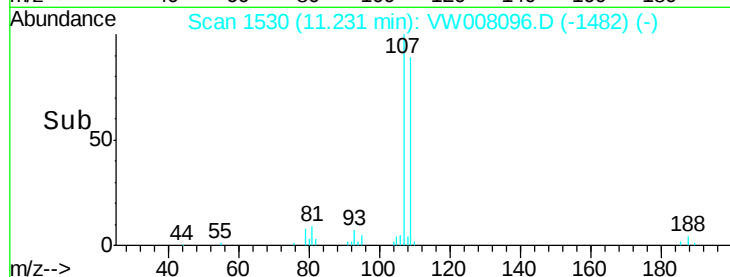
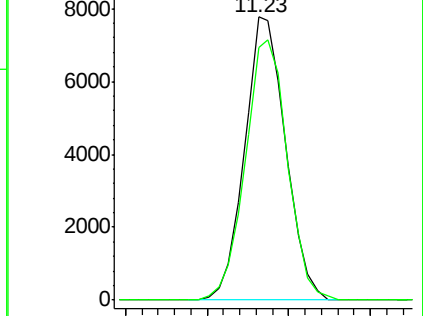
Manual Integrations  
APPROVED

MMDadoda  
1/10/2019 4:50:59 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.127 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

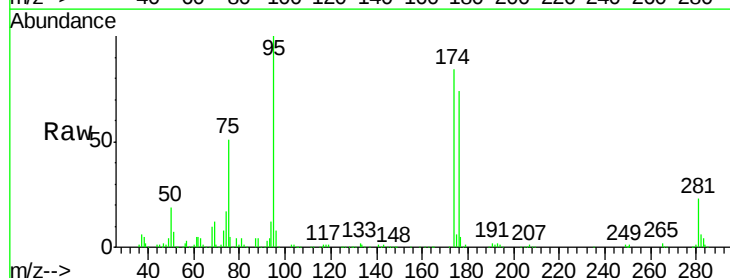
Tgt Ion: 95 Resp: 63230

Ion Ratio Lower Upper

95 100

174 77.1 0.0 143.0

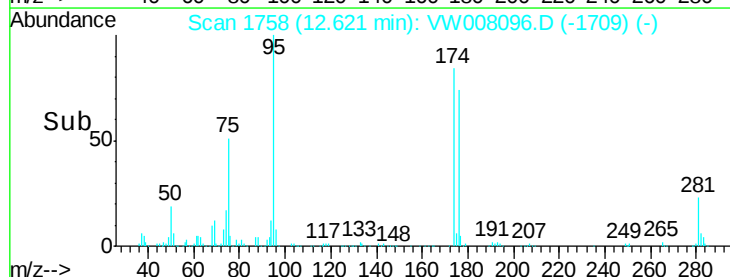
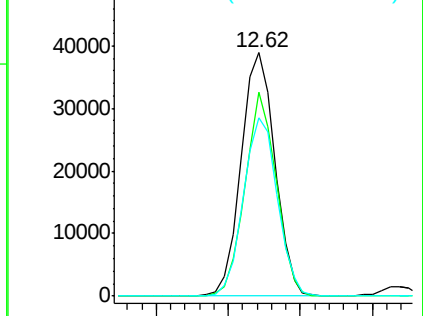
176 73.4 0.0 140.2

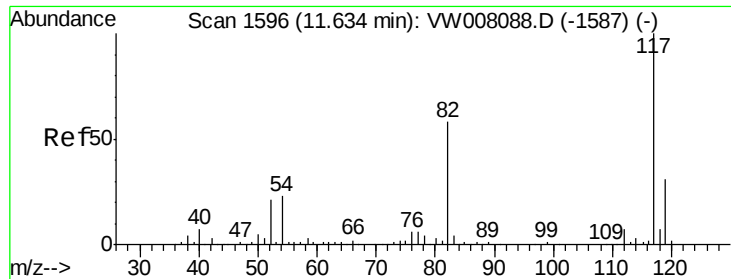


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA\_W

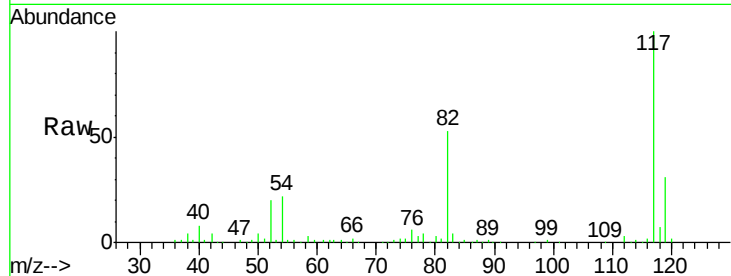
ClientSampleId :

VW0109SBS01

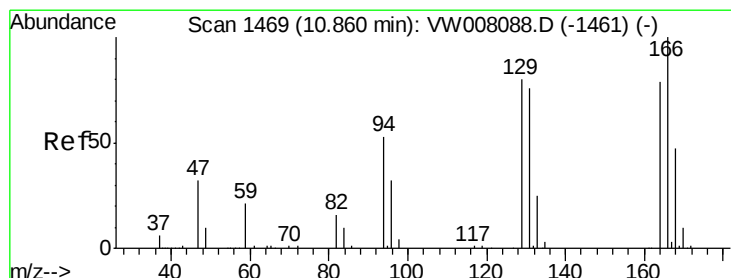
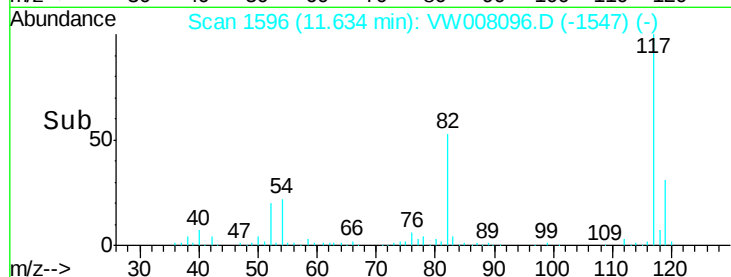
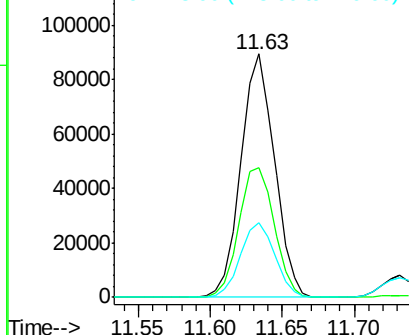
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 117   | Resp: | 144940 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 53.4  | 46.4  | 69.6   |
| 119       | 30.9  | 24.7  | 37.1   |

Manual Integrations  
APPROVED

MMDadoda  
1/10/2019 4:50:59 PM



Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 19.038 ug/l

RT: 10.86 min Scan# 1469

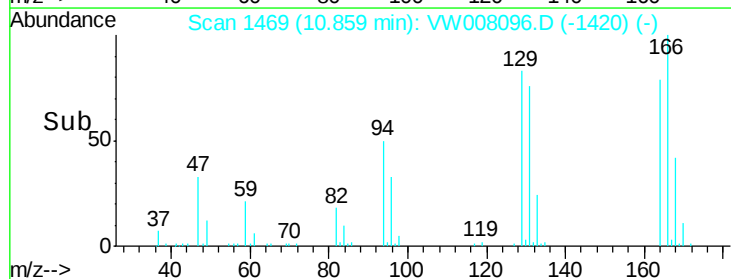
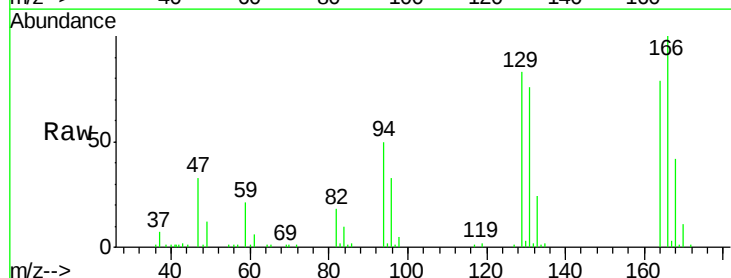
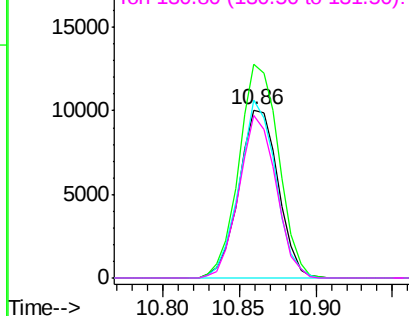
Delta R.T. -0.00 min

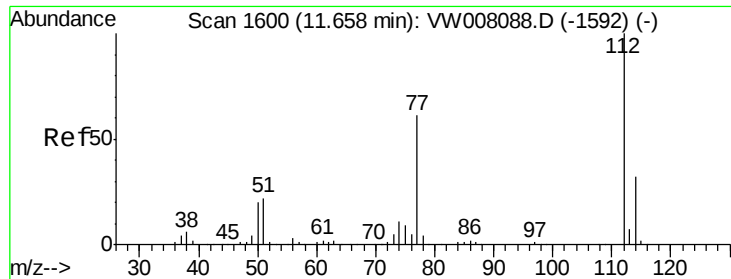
Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 17958 |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 166       | 126.9 | 100.7 | 151.1 |
| 129       | 105.5 | 81.0  | 121.4 |
| 131       | 96.6  | 76.1  | 114.1 |

Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 18.873 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA\_W

ClientSampleId :

VW0109SBS01

Tot Ion:112 Resp: 57952

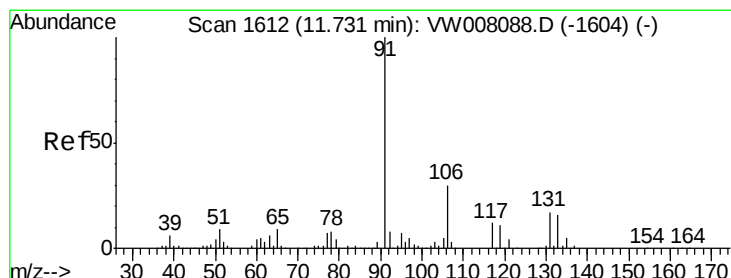
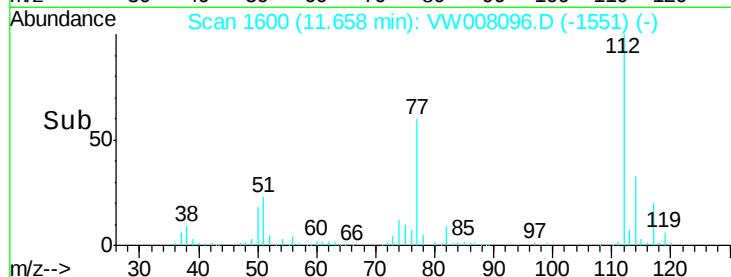
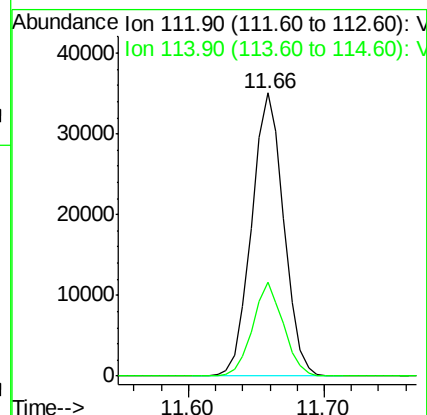
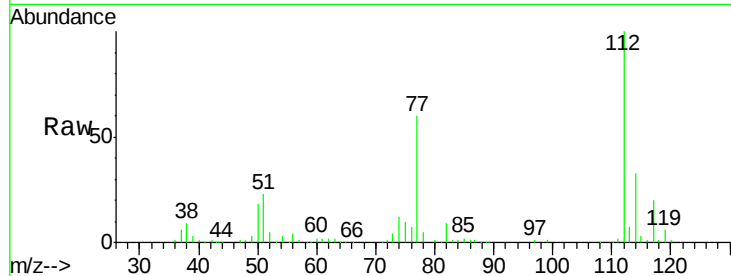
Ion Ratio Lower Upper

112 100

114 33.2 25.6 38.4

Manual Integrations  
APPROVED

MMDadoda  
1/10/2019 4:50:59 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 18.948 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

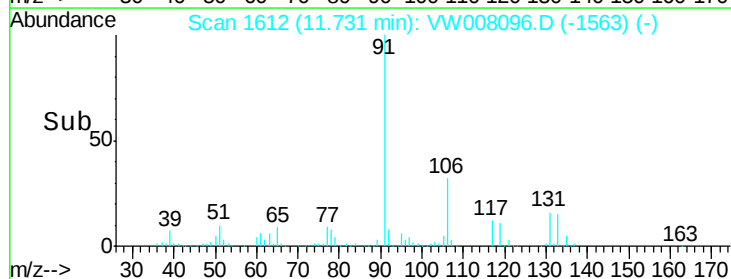
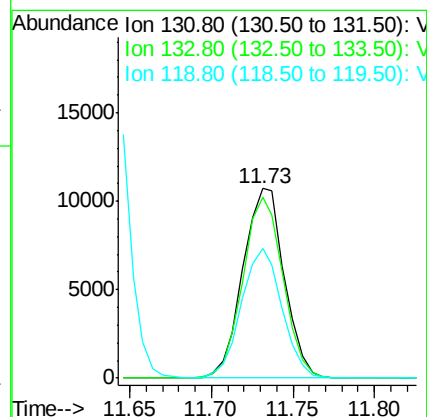
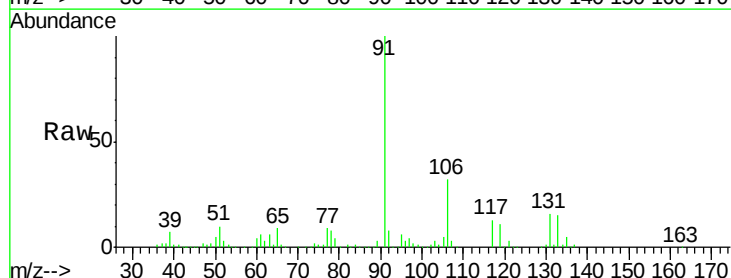
Tgt Ion:131 Resp: 18924

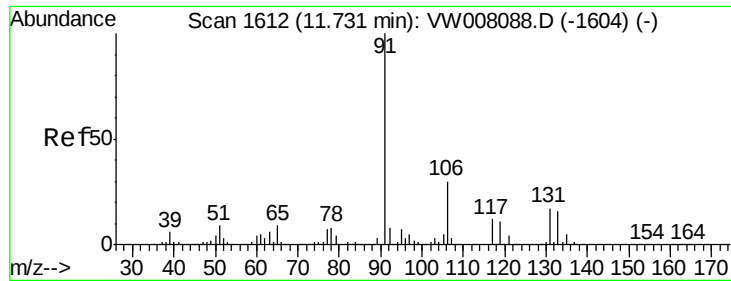
Ion Ratio Lower Upper

131 100

133 92.6 47.9 143.7

119 67.1 32.5 97.4





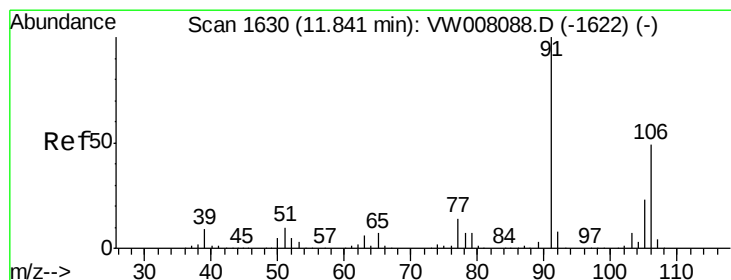
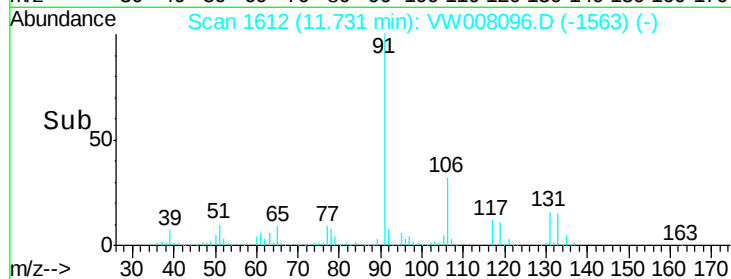
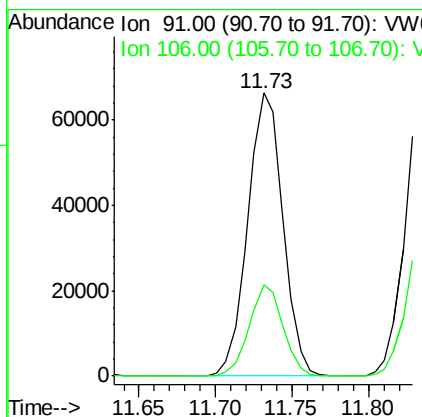
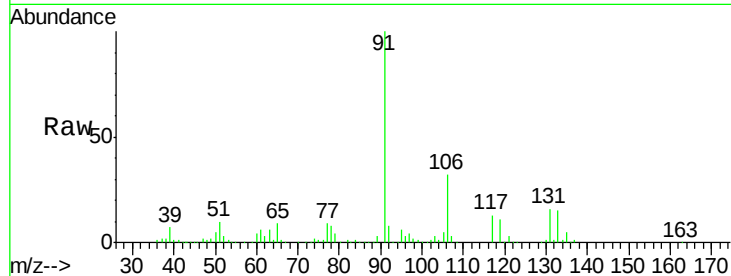
#67  
Ethyl Benzene  
Concen: 18.899 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.00 min  
Lab File: VW008096.D  
Acq: 09 Jan 2019 12:11

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0109SBS01

Tot Ion: 91 Resp: 106186  
Ion Ratio Lower Upper  
91 100  
106 32.2 24.2 36.4

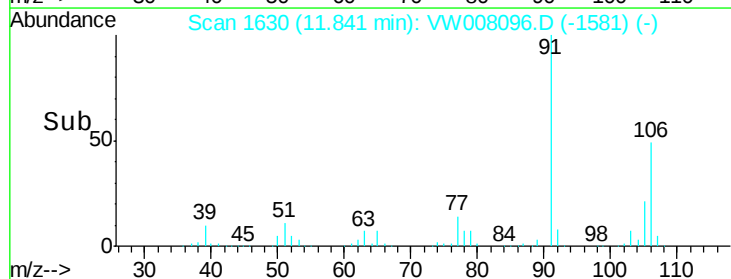
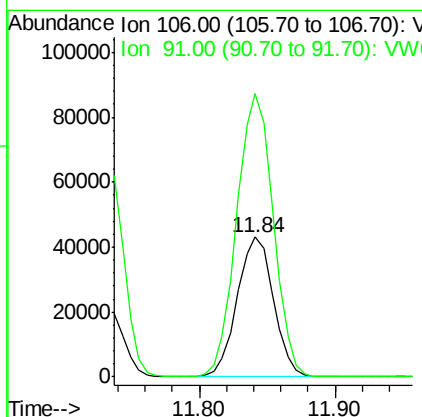
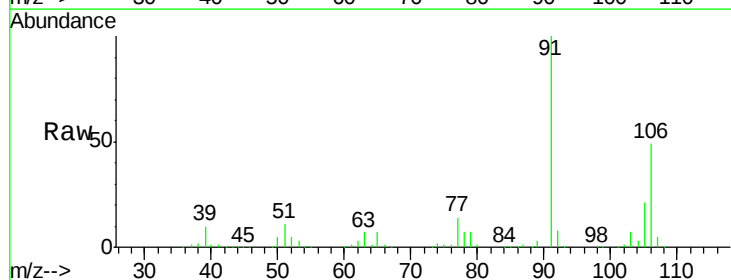
Manual Integrations  
APPROVED

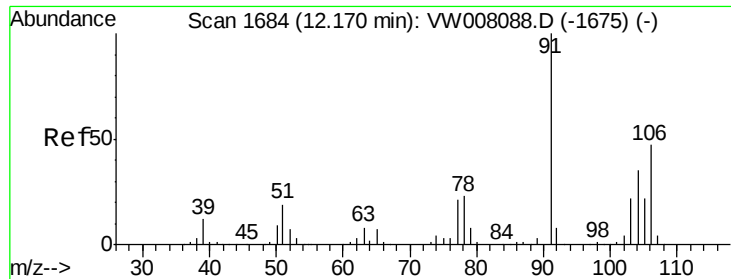
MMDadoda  
1/10/2019 4:50:59 PM



#68  
m/p-Xylenes  
Concen: 37.374 ug/l  
RT: 11.84 min Scan# 1630  
Delta R.T. -0.00 min  
Lab File: VW008096.D  
Acq: 09 Jan 2019 12:11

Tgt Ion:106 Resp: 80148  
Ion Ratio Lower Upper  
106 100  
91 204.3 162.4 243.6





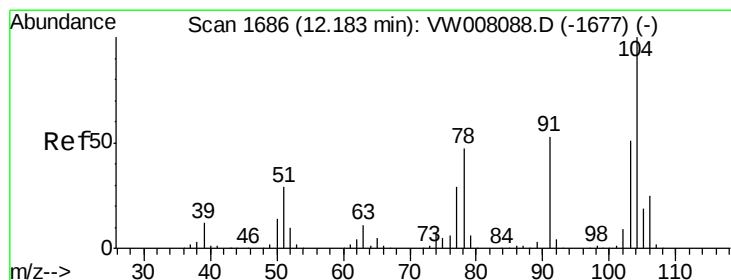
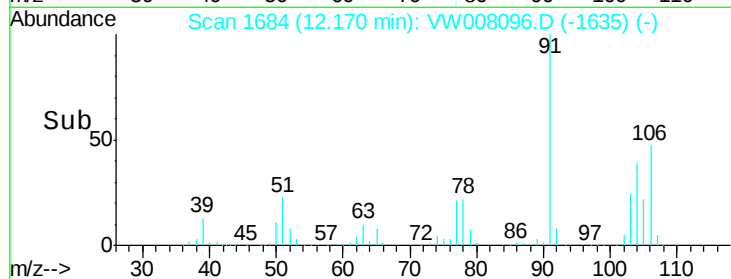
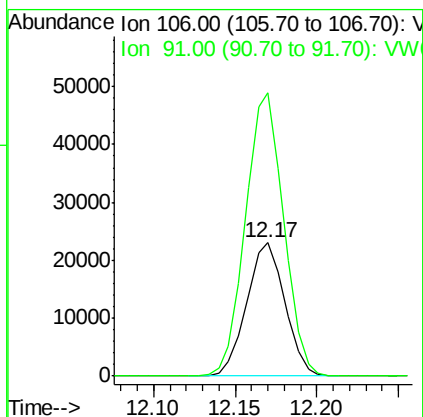
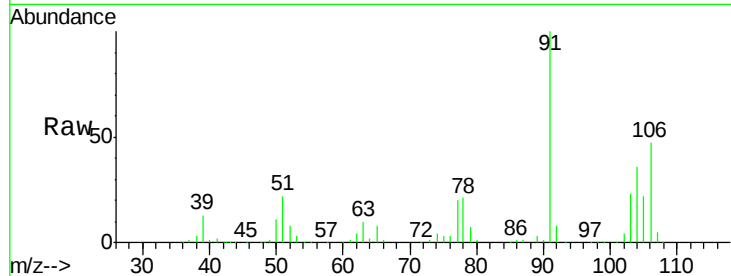
#69  
o-Xylene  
Concen: 18.872 ug/l  
RT: 12.17 min Scan# 1684  
Delta R.T. -0.00 min  
Lab File: VW008096.D  
Acq: 09 Jan 2019 12:11

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0109SBS01

Tot Ion:106 Resp: 37477  
Ion Ratio Lower Upper  
106 100  
91 212.1 107.8 323.6

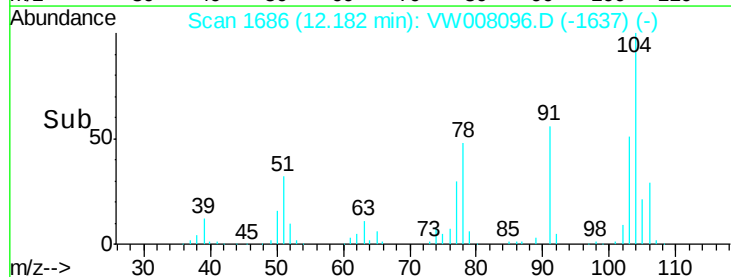
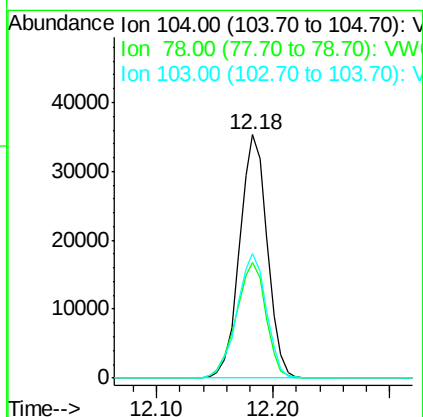
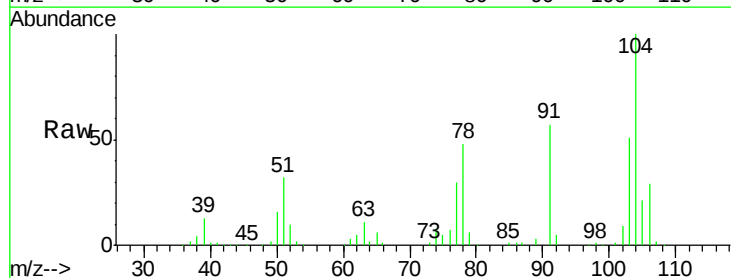
Manual Integrations  
APPROVED

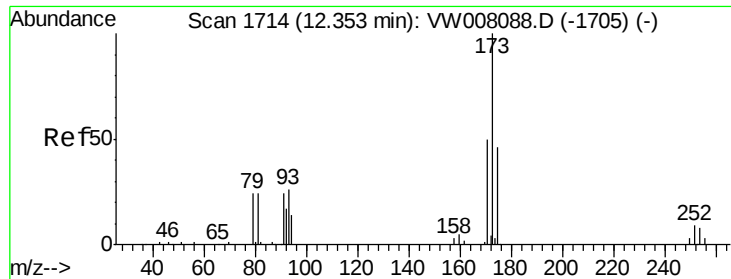
MMDadoda  
1/10/2019 4:50:59 PM



#70  
Styrene  
Concen: 18.729 ug/l  
RT: 12.18 min Scan# 1686  
Delta R.T. -0.00 min  
Lab File: VW008096.D  
Acq: 09 Jan 2019 12:11

Tgt Ion:104 Resp: 58258  
Ion Ratio Lower Upper  
104 100  
78 51.6 41.8 62.8  
103 54.5 43.8 65.8





#71

Bromoform

Concen: 18.291 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA\_W

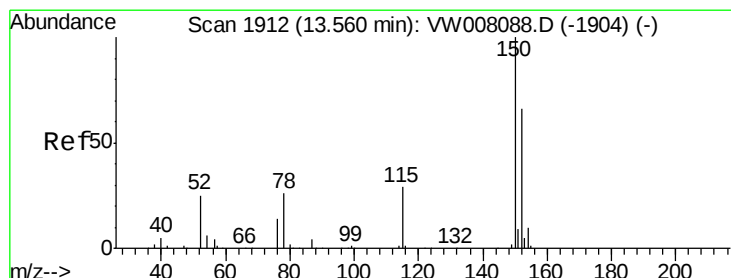
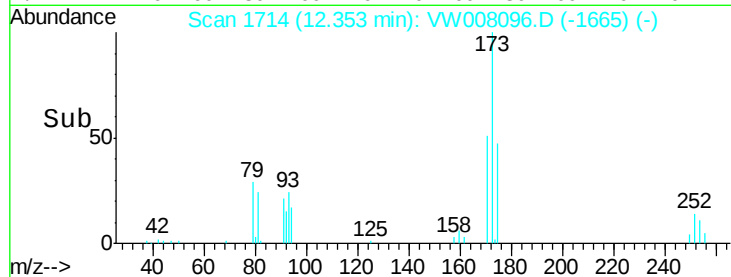
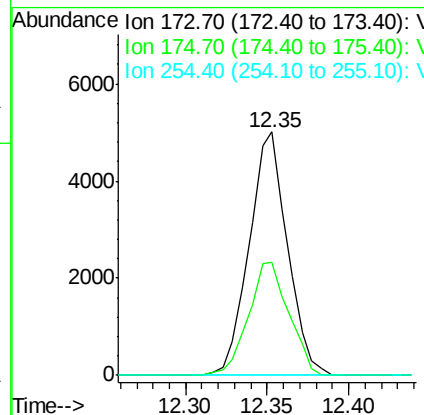
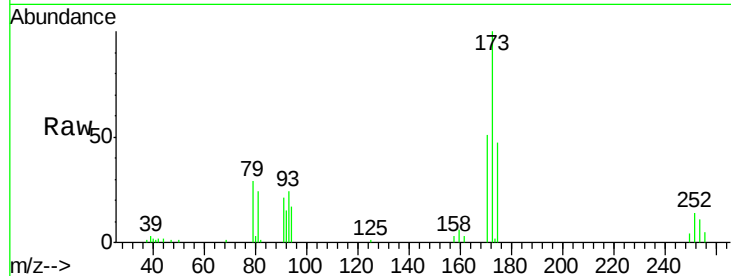
ClientSampleId :

VW0109SBS01

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 173   | Resp: | 8176 |
| Ion Ratio | Lower | Upper |      |
| 173       | 100   |       |      |
| 175       | 49.1  | 23.3  | 69.8 |
| 254       | 0.0   | 0.0   | 0.0  |

Manual Integrations  
APPROVED

MMDadoda  
1/10/2019 4:50:59 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

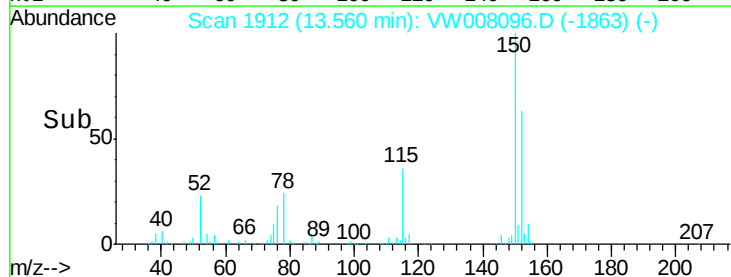
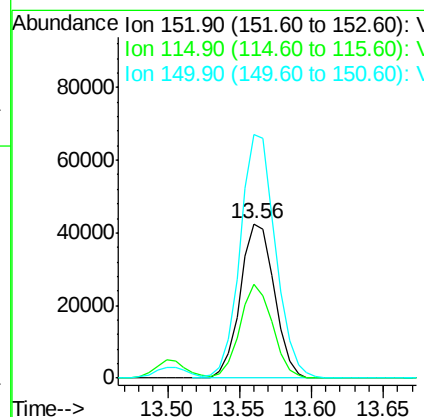
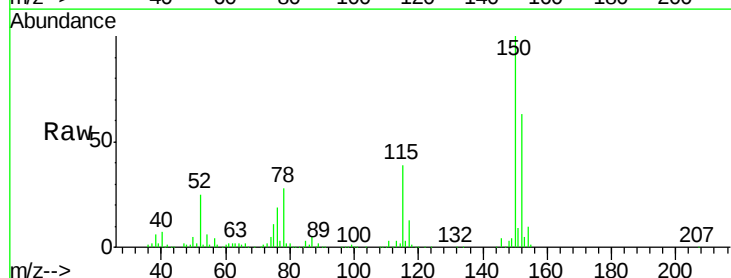
RT: 13.56 min Scan# 1912

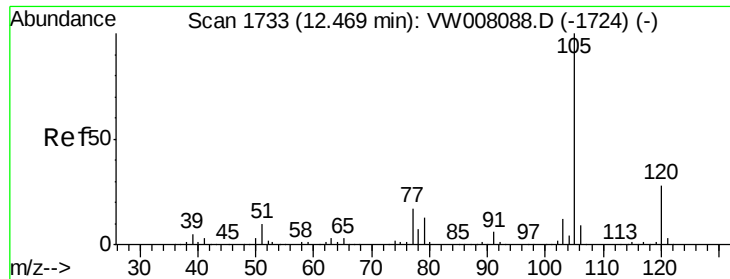
Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 69739 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 115       | 58.1  | 30.8  | 92.4  |
| 150       | 163.4 | 0.0   | 350.2 |





#73

Isopropylbenzene

Concen: 18.873 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA\_W

ClientSampleId :

VW0109SBS01

Tot Ion: 105 Resp: 103334

Ion Ratio Lower Upper

105 100

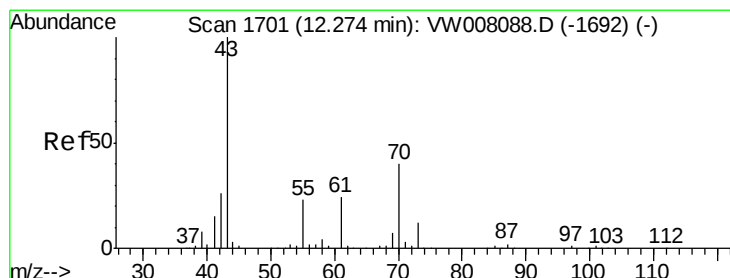
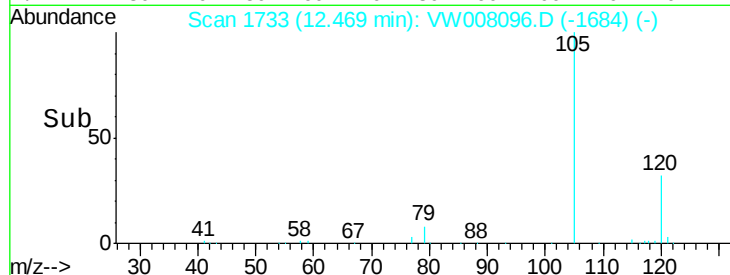
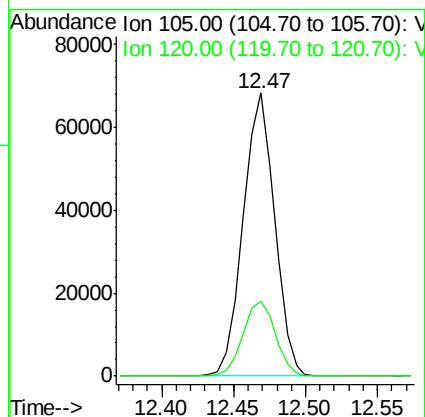
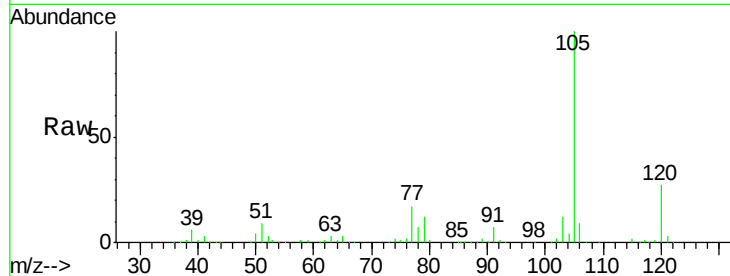
120 27.3 13.6 40.8

Manual Integrations

APPROVED

MMDadoda

1/10/2019 4:50:59 PM



#74

N-ethyl acetate

Concen: 18.680 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Tgt Ion: 43 Resp: 22649

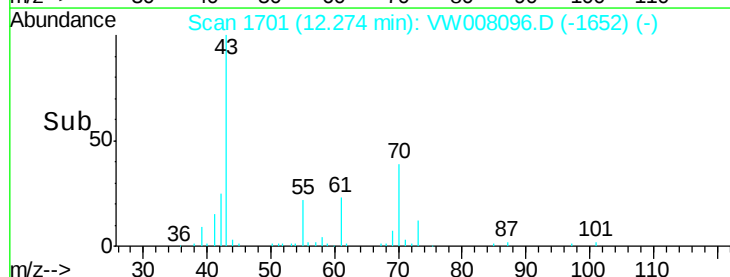
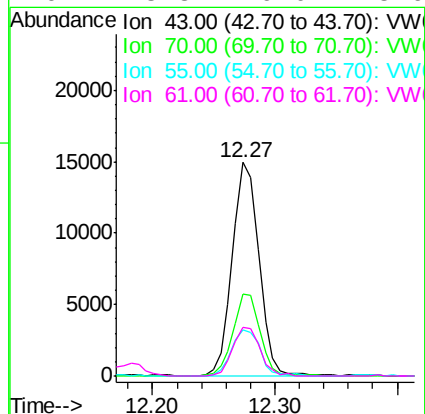
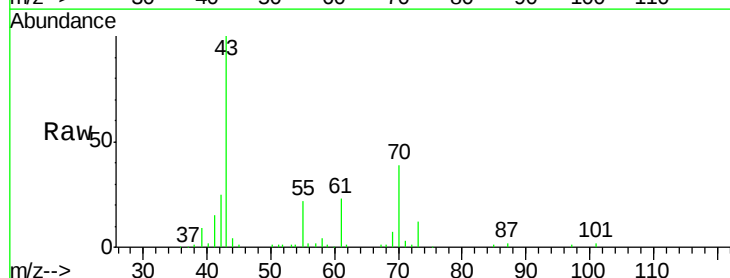
Ion Ratio Lower Upper

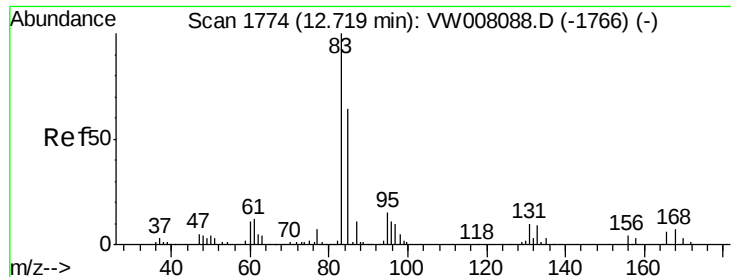
43 100

70 38.9 32.4 48.6

55 23.6 18.7 28.1

61 23.3 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.341 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA\_W

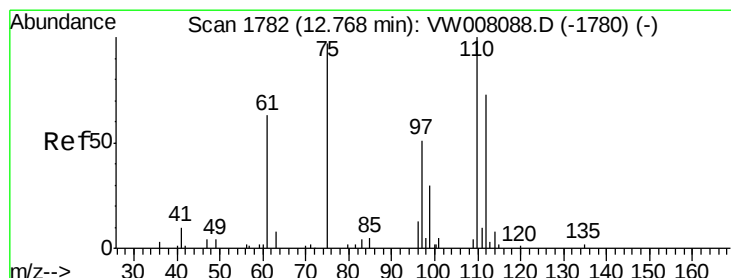
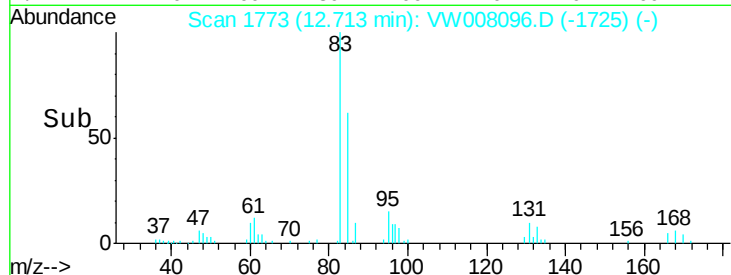
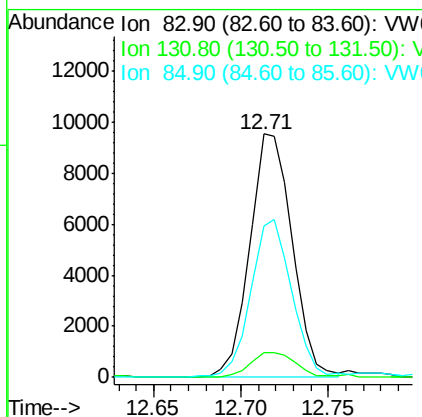
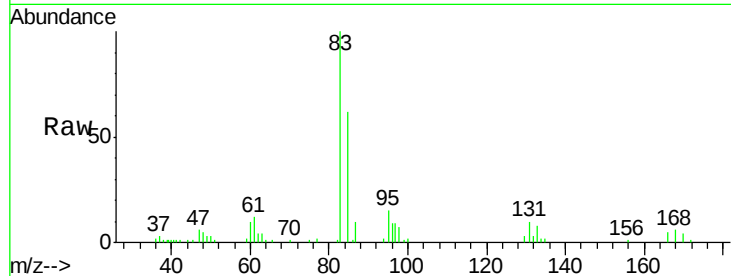
ClientSampleId :

VW0109SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 16074 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 131      | 11.4  | 5.3   | 16.1  |
| 85       | 63.2  | 32.4  | 97.2  |

Manual Integrations  
APPROVED

MMDadoda  
1/10/2019 4:50:59 PM



#76

1,2,3-Trichloropropane

Concen: 19.209 ug/l m

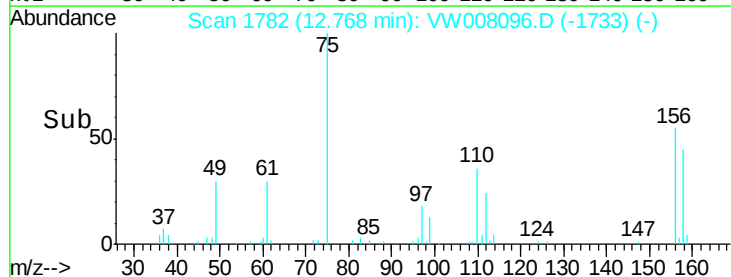
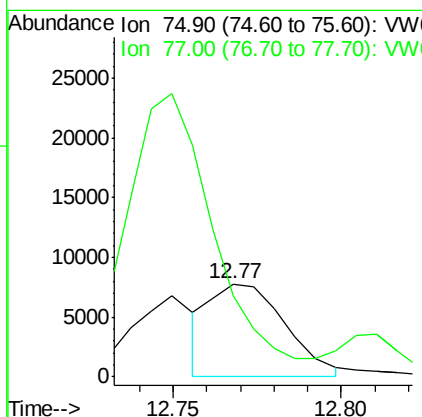
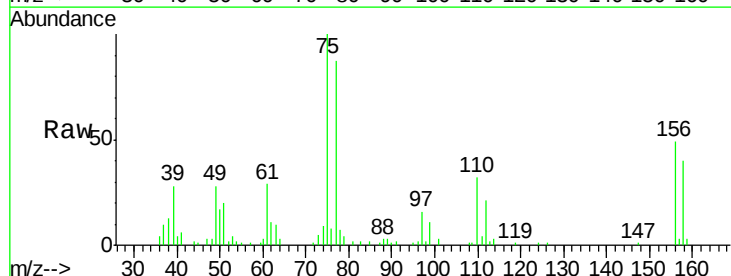
RT: 12.77 min Scan# 1782

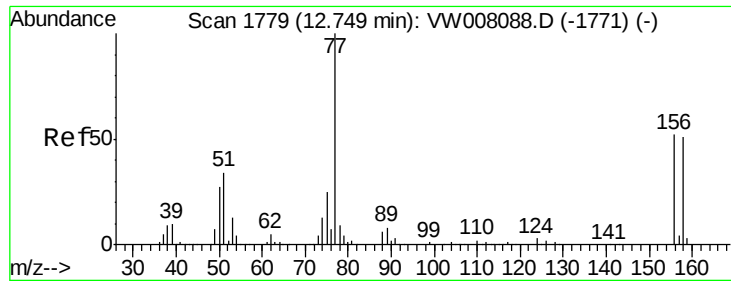
Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 12212 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 358.3 | 179.4 | 538.2 |





#77

Bromobenzene

Concen: 19.696 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA\_W

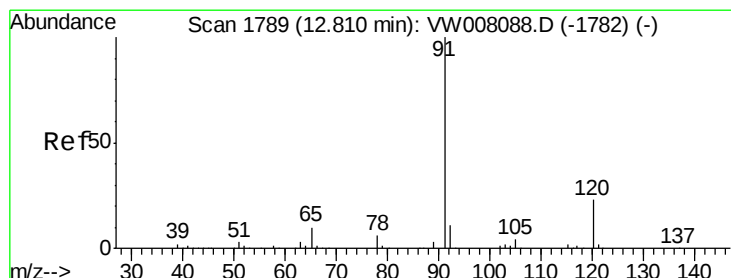
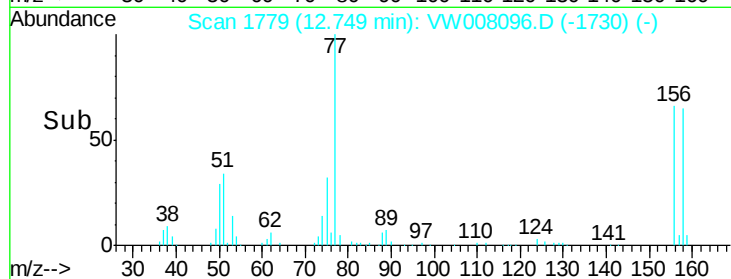
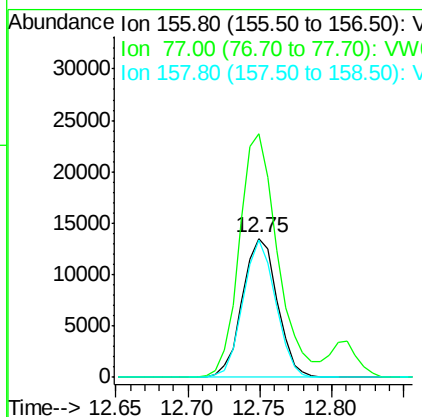
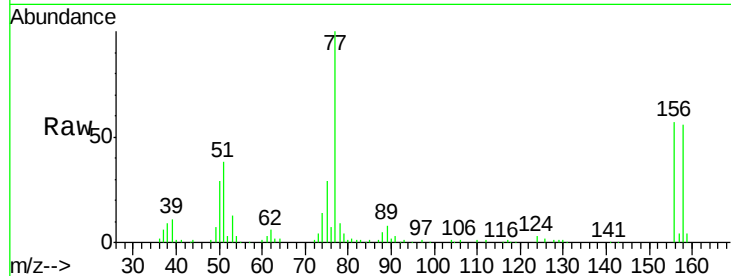
ClientSampleId :

VW0109SBS01

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 156     | 100   |       |       |       |
| 77      | 192.0 | 104.2 | 312.5 |       |
| 158     | 91.9  | 47.9  | 143.6 |       |

Manual Integrations  
APPROVED

MMDadoda  
1/10/2019 4:50:59 PM



#78

n-propylbenzene

Concen: 19.037 ug/l

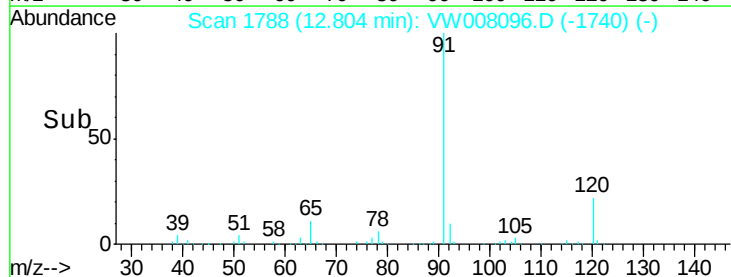
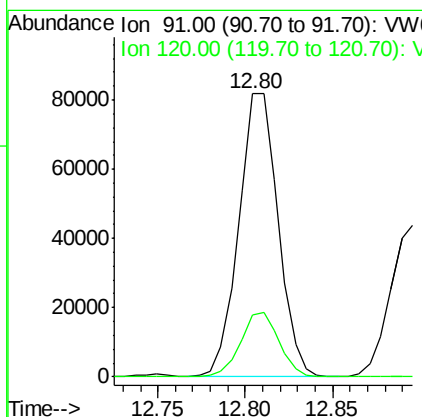
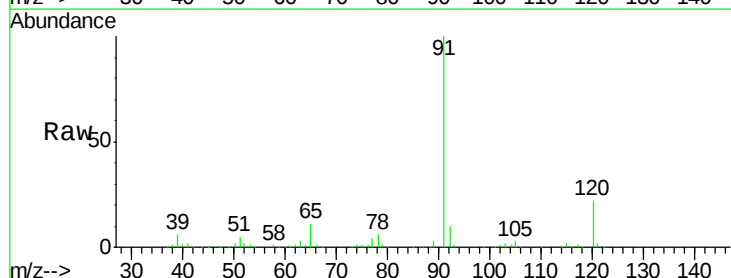
RT: 12.80 min Scan# 1788

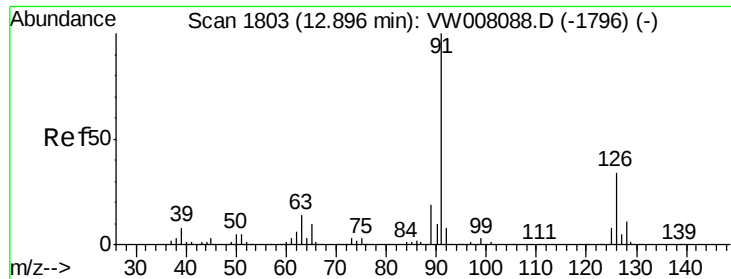
Delta R.T. -0.01 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 91      | 100  |       |       |       |
| 120     | 22.3 | 11.3  | 33.8  |       |





#79

2-Chlorotoluene

Concen: 18.739 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA\_W

ClientSampleId :

VW0109SBS01

Tot Ion: 91 Resp: 70135

Ion Ratio Lower Upper

91 100

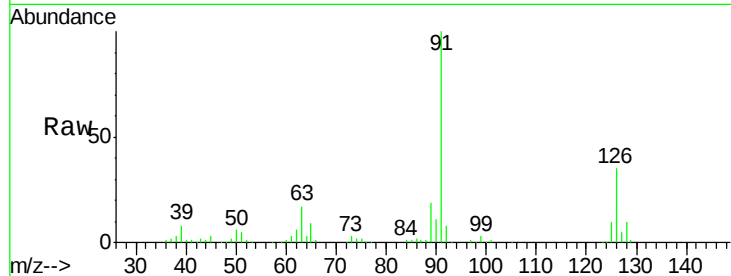
126 34.7 16.8 50.3

Manual Integrations

APPROVED

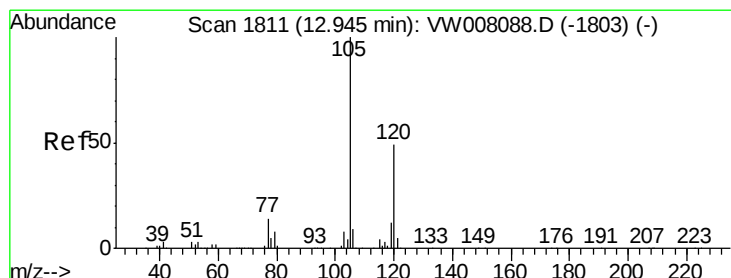
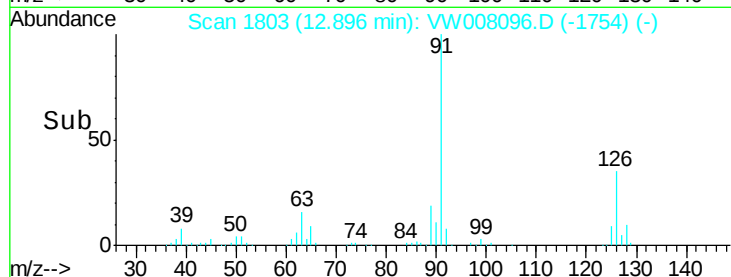
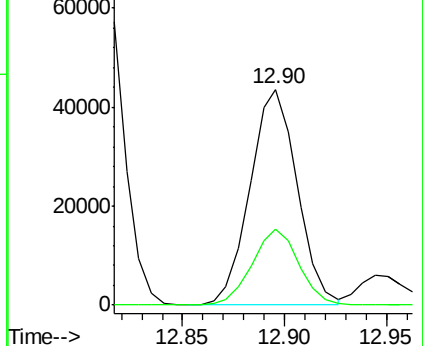
MMDadoda

1/10/2019 4:50:59 PM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.049 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.01 min

Lab File: VW008096.D

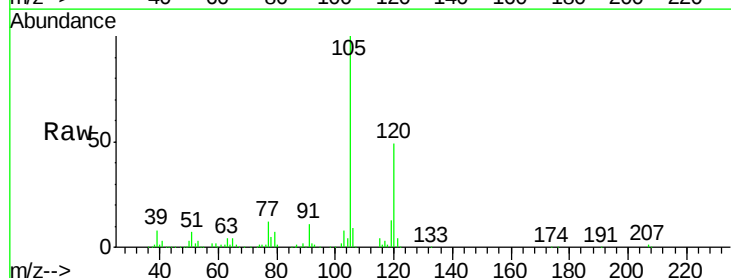
Acq: 09 Jan 2019 12:11

Tgt Ion:105 Resp: 85708

Ion Ratio Lower Upper

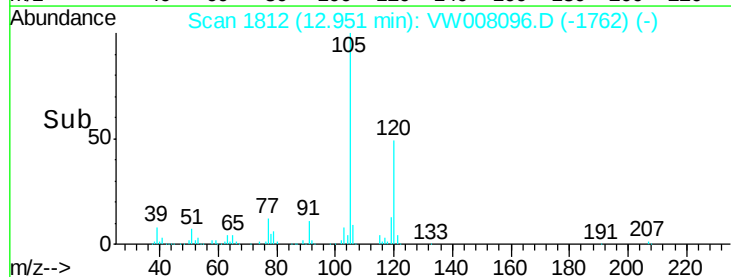
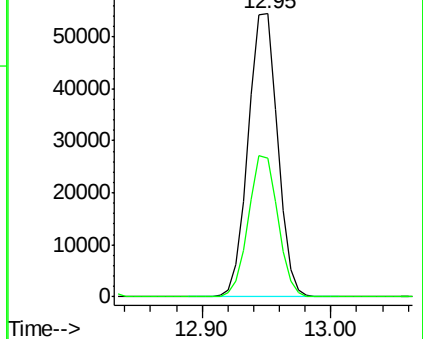
105 100

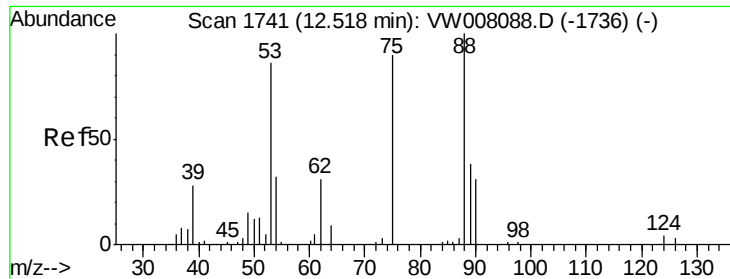
120 49.8 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





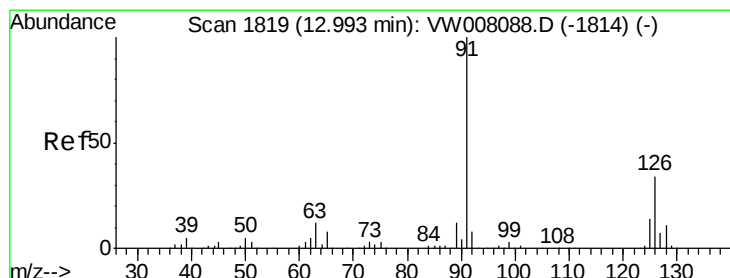
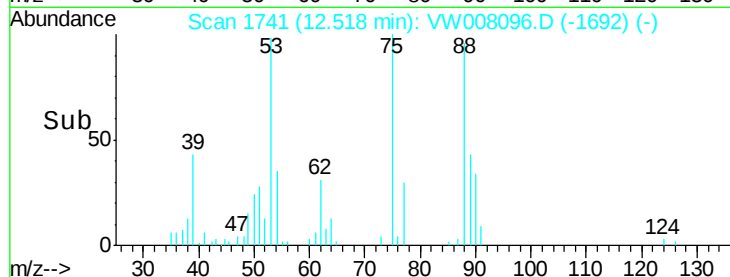
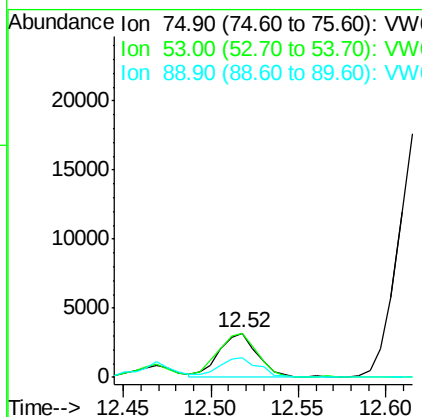
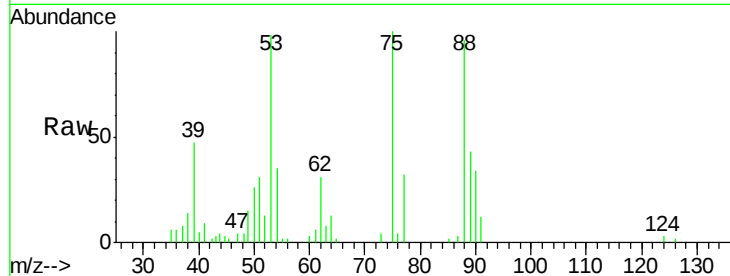
#81  
trans-1,4-Dichloro-2-butene  
Concen: 18.073 ug/l  
RT: 12.52 min Scan# 1741  
Delta R.T. -0.00 min  
Lab File: VW008096.D  
Acq: 09 Jan 2019 12:11

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0109SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 102.5 | 78.8  | 118.2 |
| 89      | 43.6  | 35.4  | 53.2  |

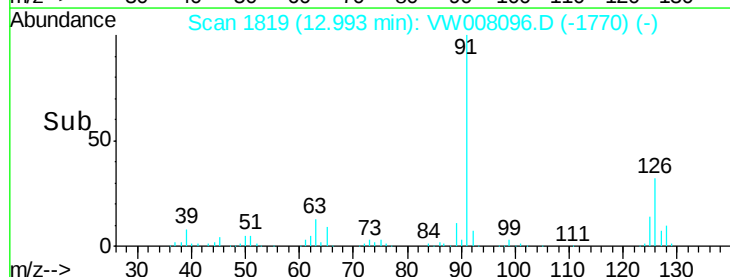
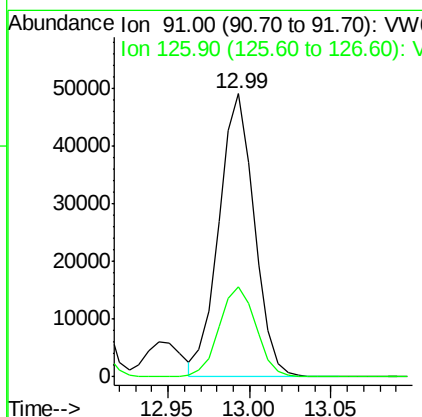
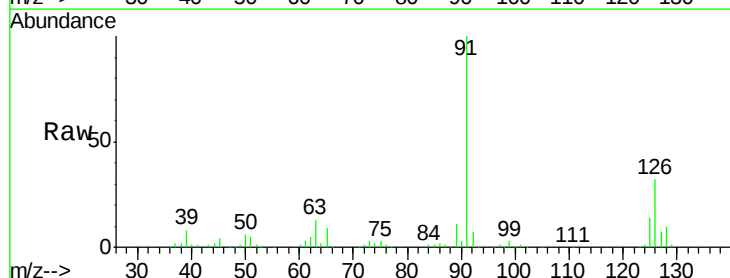
Manual Integrations  
APPROVED

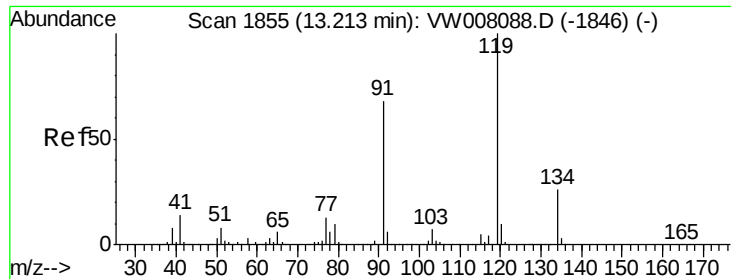
MMDadoda  
1/10/2019 4:50:59 PM



#82  
4-Chlorotoluene  
Concen: 18.822 ug/l  
RT: 12.99 min Scan# 1819  
Delta R.T. -0.00 min  
Lab File: VW008096.D  
Acq: 09 Jan 2019 12:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 33.2  | 16.5  | 49.5  |





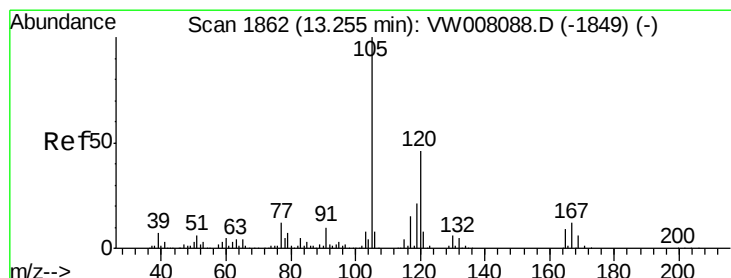
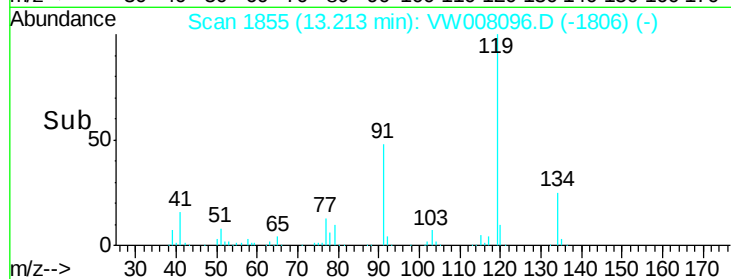
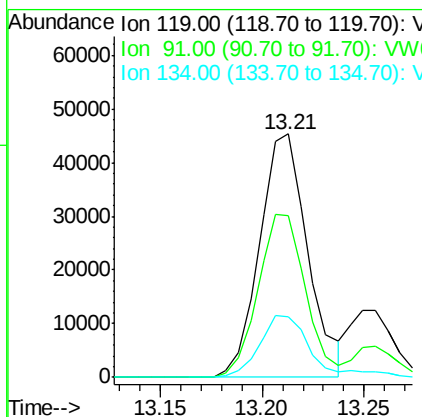
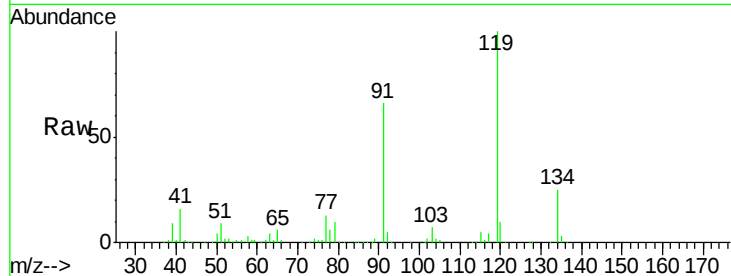
#83  
tert-Butylbenzene  
Concen: 18.764 ug/l  
RT: 13.21 min Scan# 1855  
Delta R.T. -0.00 min  
Lab File: VW008096.D  
Acq: 09 Jan 2019 12:11

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0109SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 65.5  | 33.9  | 101.6 |
| 134     | 27.4  | 13.6  | 40.8  |

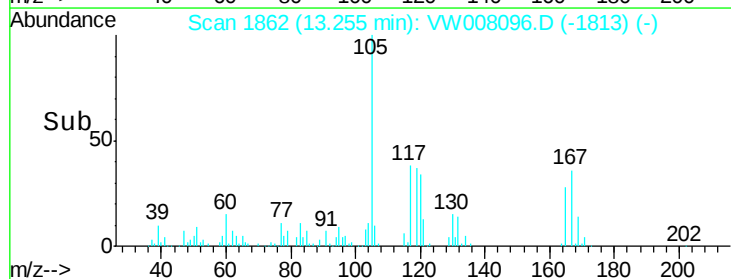
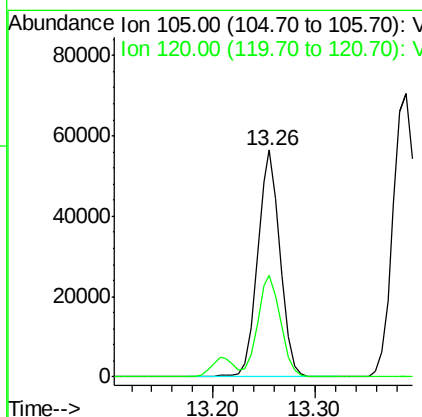
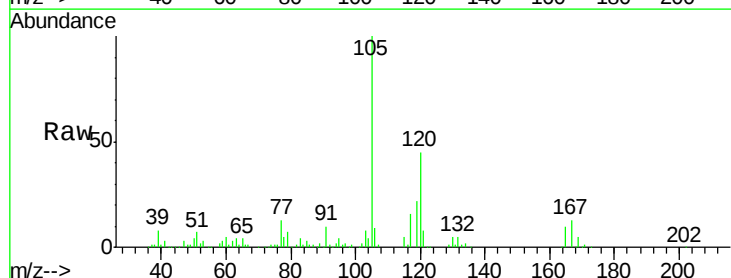
Manual Integrations  
APPROVED

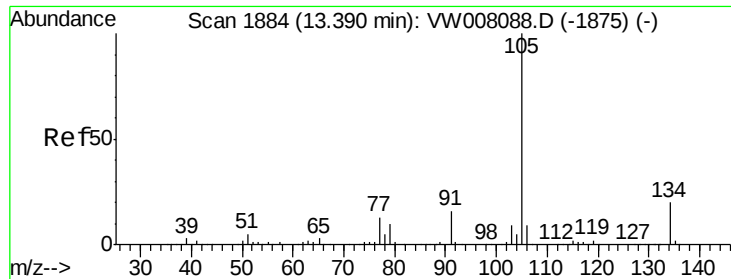
MMDadoda  
1/10/2019 4:50:59 PM



#84  
1,2,4-Trimethylbenzene  
Concen: 18.678 ug/l  
RT: 13.26 min Scan# 1862  
Delta R.T. -0.00 min  
Lab File: VW008096.D  
Acq: 09 Jan 2019 12:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.7  | 22.7  | 68.1  |





#85

sec-Butylbenzene

Concen: 18.858 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA\_W

ClientSampleId :

VW0109SBS01

Tot Ion:105 Resp: 109957

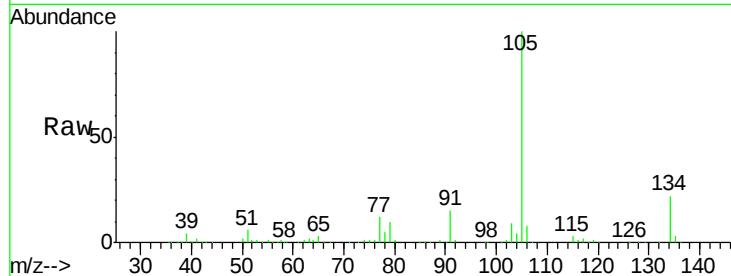
Ion Ratio Lower Upper

105 100

134 20.5 10.1 30.1

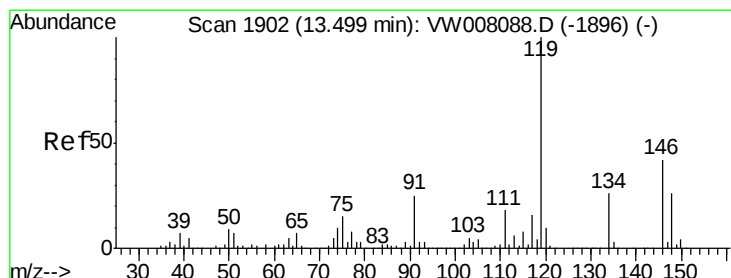
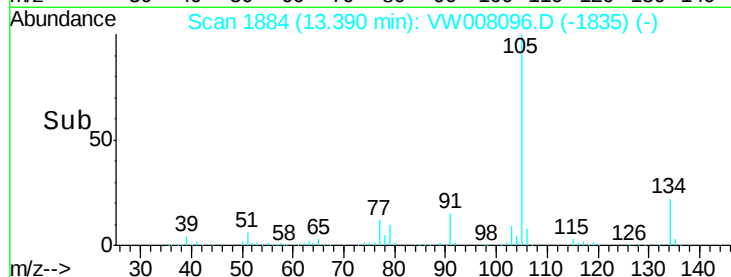
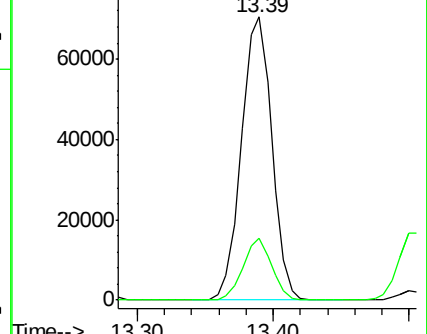
Manual Integrations  
APPROVED

MMDadoda  
1/10/2019 4:50:59 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.075 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.01 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

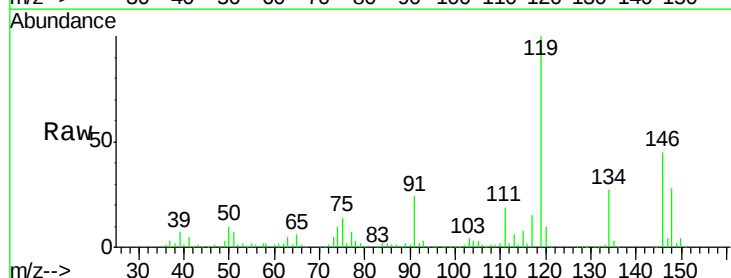
Tgt Ion:119 Resp: 96043

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

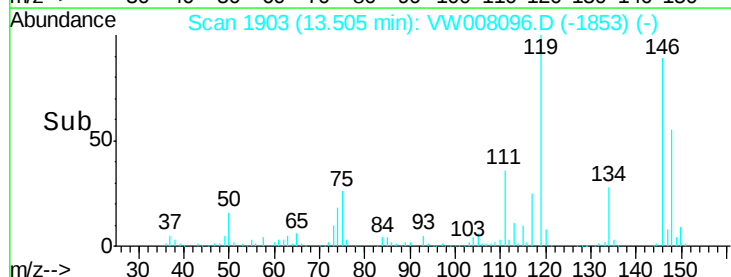
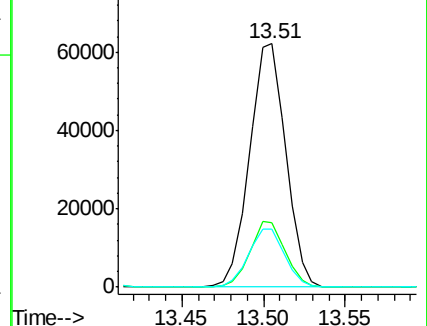
91 24.1 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.626 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

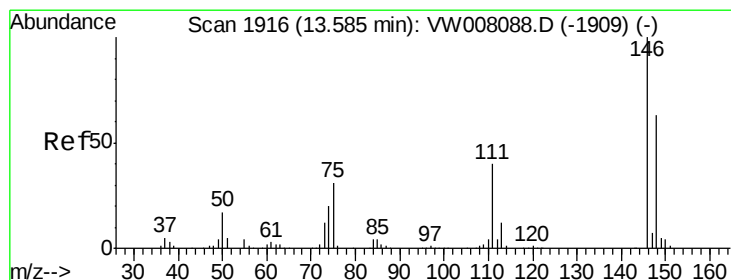
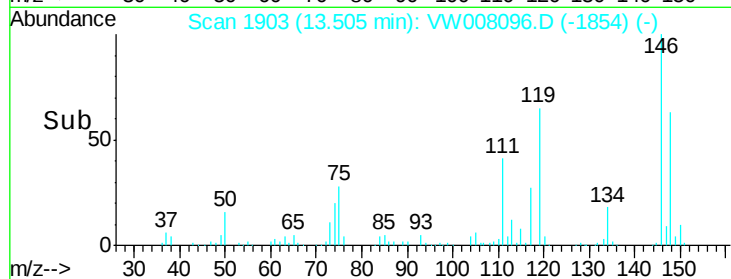
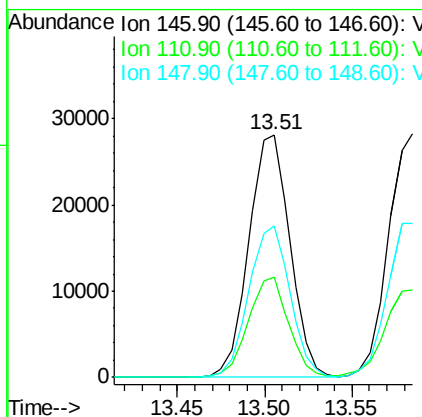
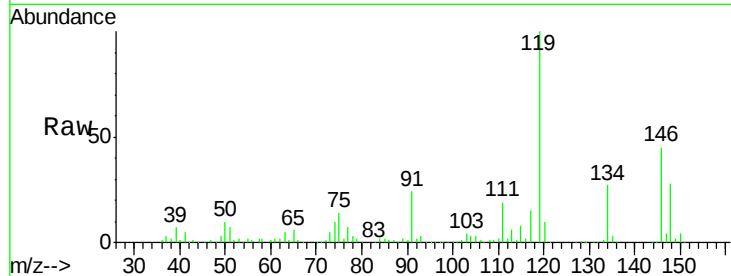
Instrument :  
MSVOA\_W

ClientSampleId :  
VW0109SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.4  | 21.1  | 63.1  |
| 148     | 62.7  | 31.3  | 93.9  |

Manual Integrations  
APPROVED

MMDadoda  
1/10/2019 4:50:59 PM



#88

1,4-Dichlorobenzene

Concen: 19.321 ug/l

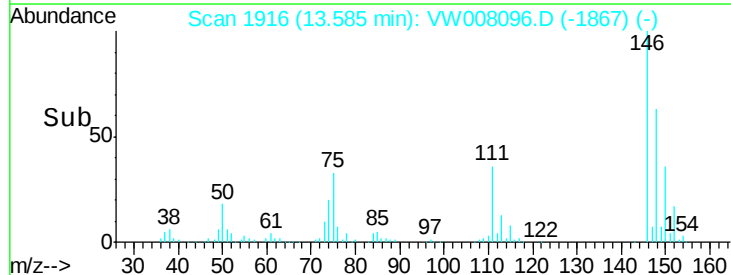
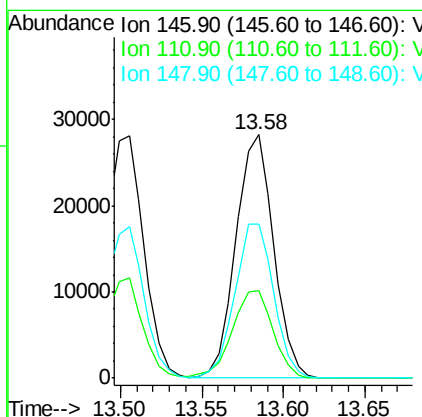
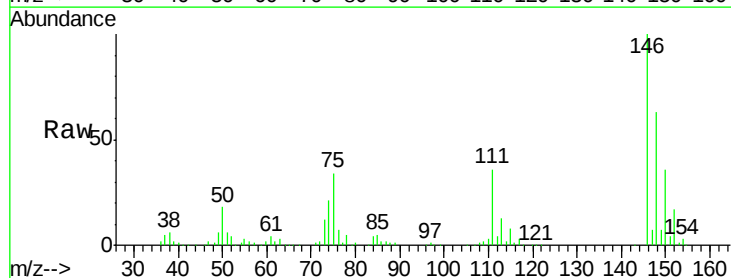
RT: 13.58 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.1  | 20.5  | 61.5  |
| 148     | 65.1  | 31.6  | 94.8  |





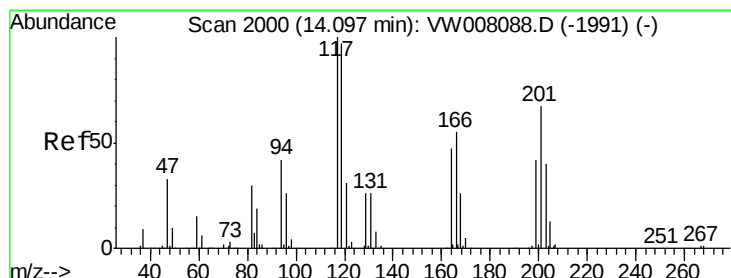
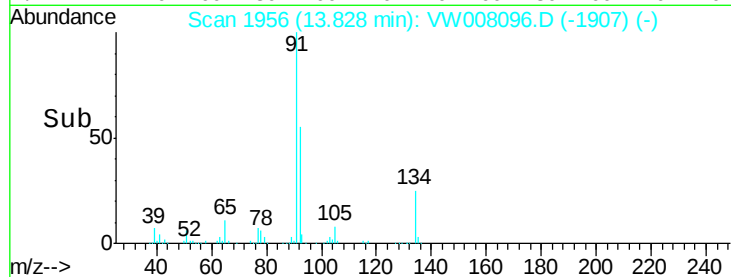
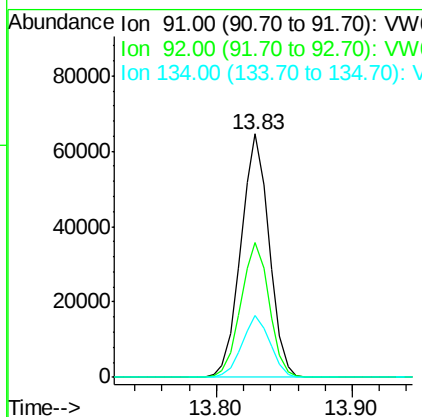
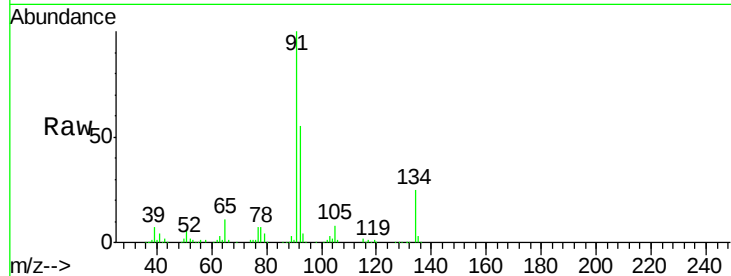
#89  
n-Butylbenzene  
Concen: 18.901 ug/l  
RT: 13.83 min Scan# 1956  
Delta R.T. -0.00 min  
Lab File: VW008096.D  
Acq: 09 Jan 2019 12:11

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0109SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 55.8  | 27.4  | 82.2  |
| 134     | 25.1  | 12.6  | 37.8  |

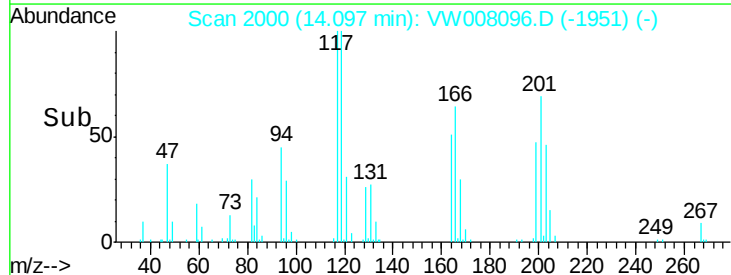
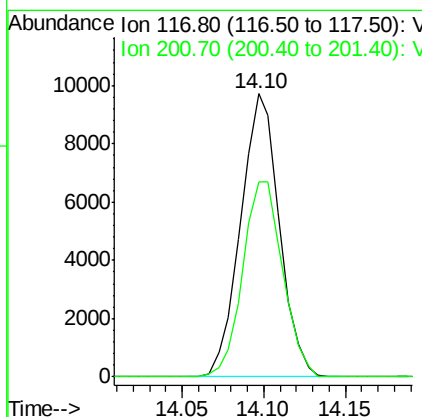
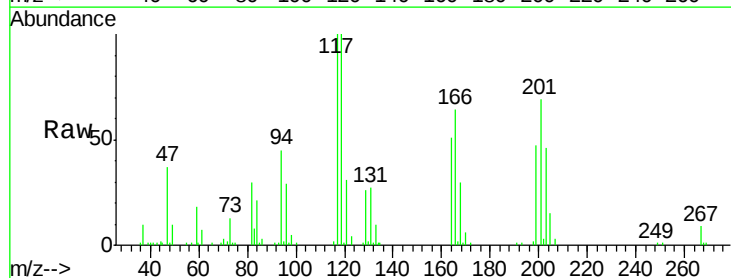
Manual Integrations  
APPROVED

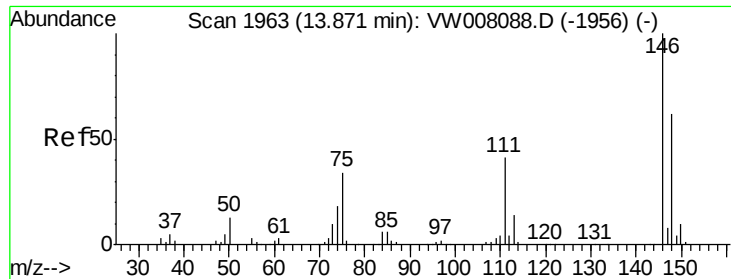
MMDadoda  
1/10/2019 4:50:59 PM



#90  
Hexachloroethane  
Concen: 18.835 ug/l  
RT: 14.10 min Scan# 2000  
Delta R.T. -0.00 min  
Lab File: VW008096.D  
Acq: 09 Jan 2019 12:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 71.2  | 33.0  | 98.9  |





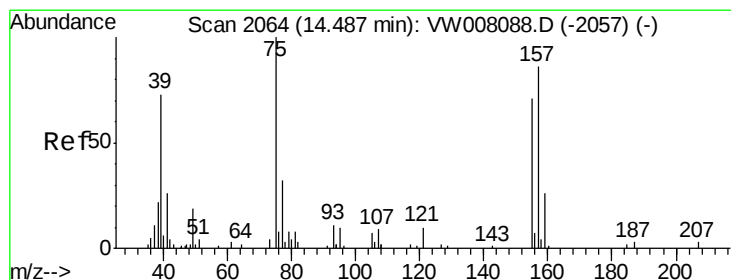
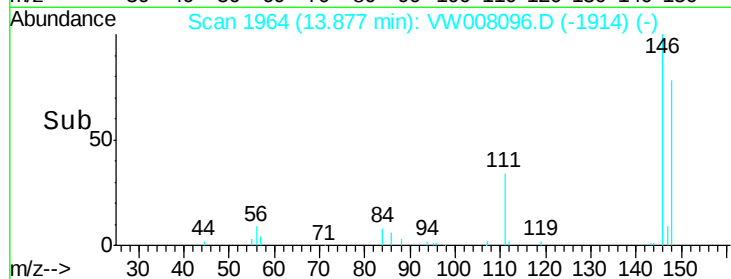
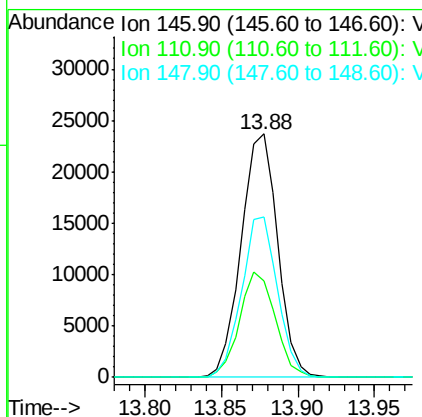
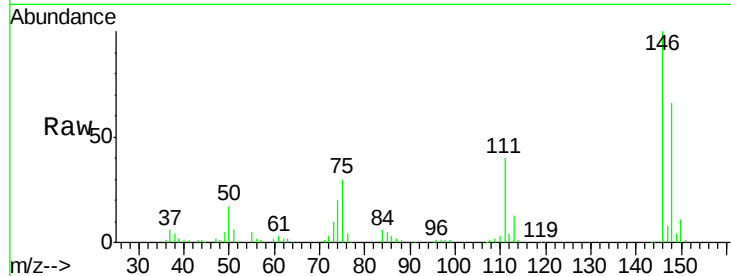
#91  
 1,2-Dichlorobenzene  
 Concen: 19.056 ug/l  
 RT: 13.88 min Scan# 1964  
 Delta R.T. 0.01 min  
 Lab File: VW008096.D  
 Acq: 09 Jan 2019 12:11

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0109SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.4  | 21.3  | 63.7  |
| 148     | 64.7  | 31.5  | 94.5  |

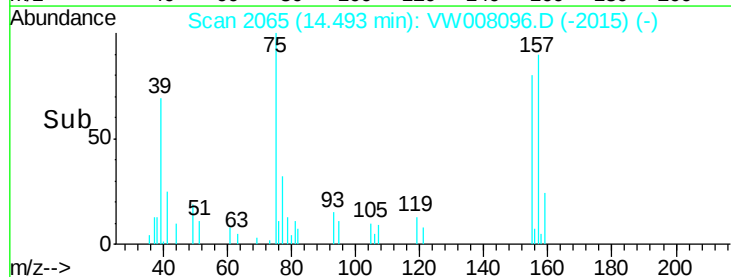
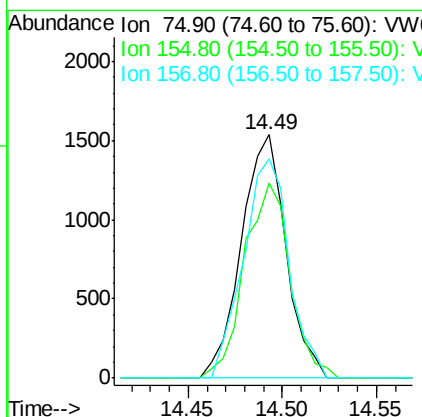
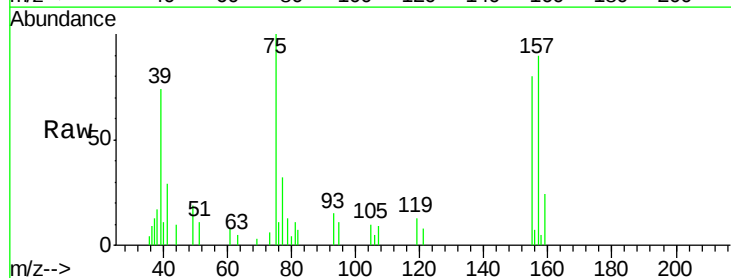
Manual Integrations  
 APPROVED

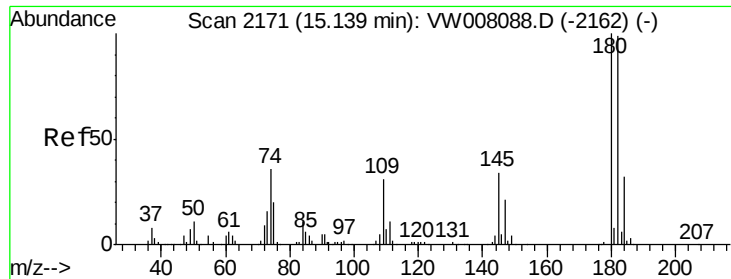
MMDadoda  
 1/10/2019 4:50:59 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 17.868 ug/l  
 RT: 14.49 min Scan# 2065  
 Delta R.T. 0.01 min  
 Lab File: VW008096.D  
 Acq: 09 Jan 2019 12:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 82.0  | 38.6  | 115.7 |
| 157     | 92.4  | 47.5  | 142.6 |





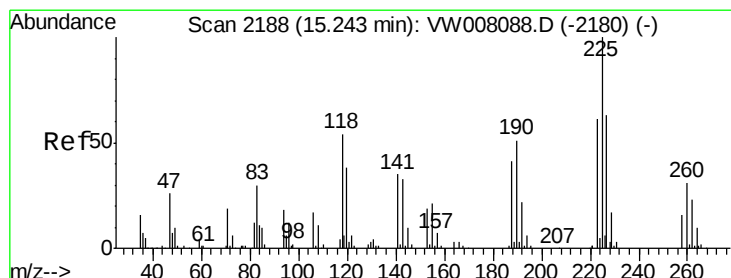
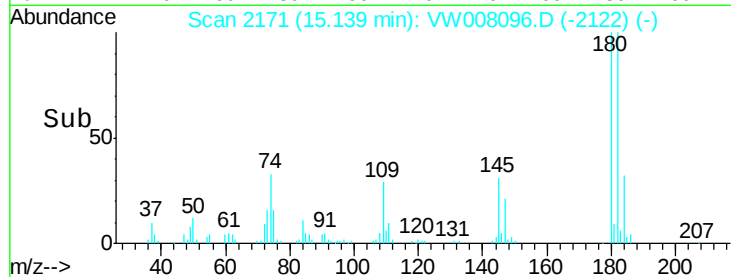
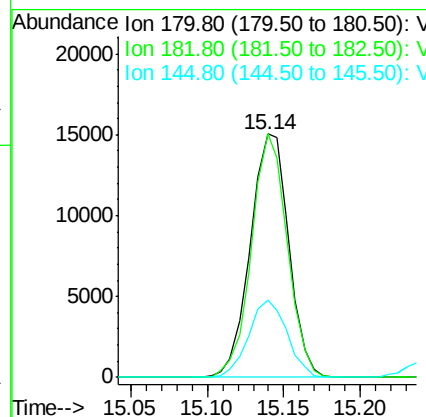
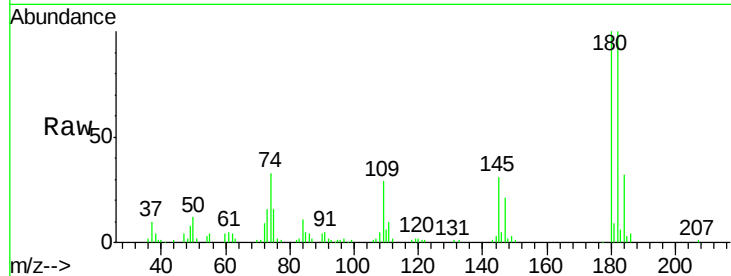
#93  
 1,2,4-Trichlorobenzene  
 Concen: 19.215 ug/l  
 RT: 15.14 min Scan# 2171  
 Delta R.T. -0.00 min  
 Lab File: VW008096.D  
 Acq: 09 Jan 2019 12:11

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0109SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 93.1  | 48.6  | 145.9 |
| 145     | 31.4  | 16.6  | 49.7  |

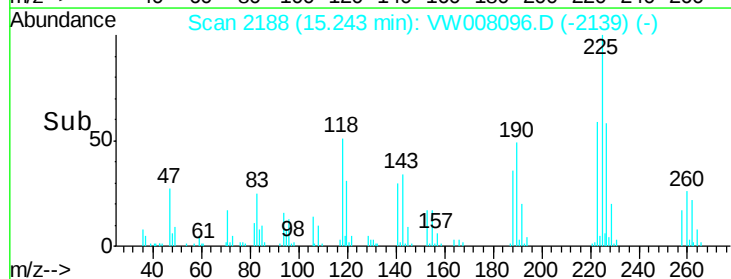
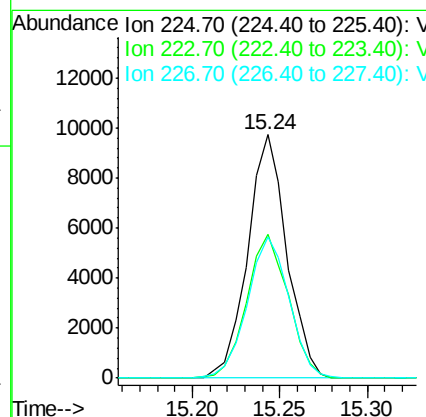
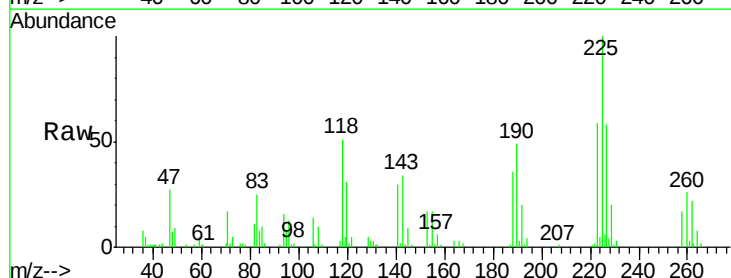
Manual Integrations  
 APPROVED

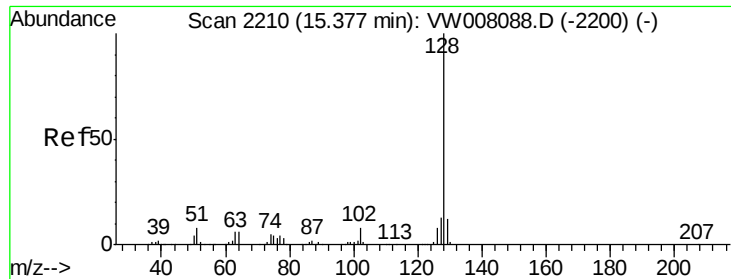
MMDadoda  
 1/10/2019 4:50:59 PM



#94  
 Hexachlorobutadiene  
 Concen: 20.541 ug/l  
 RT: 15.24 min Scan# 2188  
 Delta R.T. -0.00 min  
 Lab File: VW008096.D  
 Acq: 09 Jan 2019 12:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.6  | 31.4  | 94.3  |
| 227     | 62.1  | 32.0  | 96.2  |





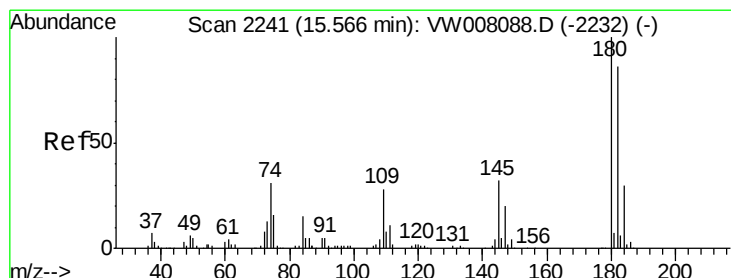
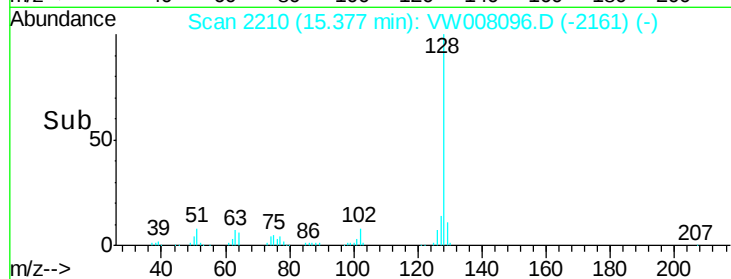
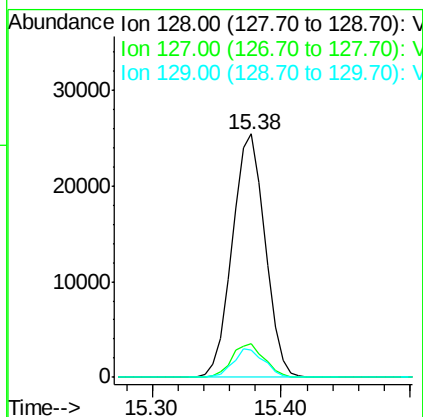
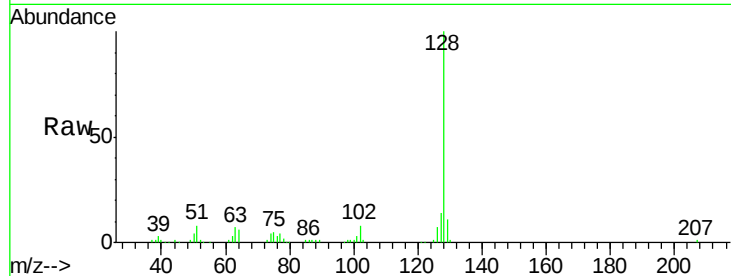
#95  
Naphthalene  
Concen: 17.624 ug/l  
RT: 15.38 min Scan# 2210  
Delta R.T. -0.00 min  
Lab File: VW008096.D  
Acq: 09 Jan 2019 12:11

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0109SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.6  | 11.0  | 16.4  |
| 129     | 11.1  | 9.0   | 13.6  |

Manual Integrations  
APPROVED

MMDadoda  
1/10/2019 4:50:59 PM



#96  
1,2,3-Trichlorobenzene  
Concen: 18.659 ug/l  
RT: 15.56 min Scan# 2240  
Delta R.T. -0.01 min  
Lab File: VW008096.D  
Acq: 09 Jan 2019 12:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 97.2  | 46.5  | 139.3 |
| 145     | 33.9  | 17.4  | 52.2  |

