

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052019\  
 Data File : VW010459.D  
 Acq On : 20 May 2019 20:59  
 Operator : SY/VA  
 Sample : VW0520SBS01  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0520SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 5/21/2019 11:29:11 AM

Quant Time: May 21 07:04:50 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W052019S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 21 06:38:43 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 126325   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 230488   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 207794   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 97758    | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 71668    | 54.96 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 109.92% |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 71194    | 50.91 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.82% |      |
| 50) Toluene-d8            | 10.32  | 98  | 270474   | 50.62 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.24% |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 104671   | 49.18 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.36%  |      |

## Target Compounds

|                               |      |     |        |         |      | Qvalue |
|-------------------------------|------|-----|--------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 2.00 | 85  | 18068  | 15.864  | ug/l | 96     |
| 3) Chloromethane              | 2.21 | 50  | 23341  | 17.586  | ug/l | 99     |
| 4) Vinyl Chloride             | 2.35 | 62  | 26603  | 17.304  | ug/l | 100    |
| 5) Bromomethane               | 2.74 | 94  | 20947  | 19.805  | ug/l | 93     |
| 6) Chloroethane               | 2.90 | 64  | 18418  | 18.662  | ug/l | 95     |
| 7) Trichlorofluoromethane     | 3.25 | 101 | 43122  | 18.998  | ug/l | 100    |
| 8) Diethyl Ether              | 3.68 | 74  | 14965  | 20.799  | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 4.05 | 101 | 26829  | 19.194  | ug/l | 100    |
| 10) Methyl Iodide             | 4.26 | 142 | 26292  | 16.456  | ug/l | 98     |
| 11) Tert butyl alcohol        | 5.18 | 59  | 13037  | 111.158 | ug/l | 97     |
| 12) 1,1-Dichloroethene        | 4.03 | 96  | 26036  | 19.513  | ug/l | 93     |
| 13) Acrolein                  | 3.89 | 56  | 10569  | 145.310 | ug/l | 98     |
| 14) Allyl chloride            | 4.66 | 41  | 38438  | 19.901  | ug/l | 99     |
| 15) Acrylonitrile             | 5.37 | 53  | 32445  | 107.674 | ug/l | 99     |
| 16) Acetone                   | 4.12 | 43  | 25476  | 95.720  | ug/l | 92     |
| 17) Carbon Disulfide          | 4.37 | 76  | 72470  | 18.209  | ug/l | 99     |
| 18) Methyl Acetate            | 4.67 | 43  | 16025  | 24.618  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 5.43 | 73  | 73547  | 21.621  | ug/l | 96     |
| 20) Methylene Chloride        | 4.92 | 84  | 32181  | 17.289  | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 5.42 | 96  | 30052  | 19.635  | ug/l | 96     |
| 22) Diisopropyl ether         | 6.31 | 45  | 82040  | 20.715  | ug/l | 99     |
| 23) Vinyl Acetate             | 6.26 | 43  | 251902 | 106.482 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 6.21 | 63  | 47815  | 20.232  | ug/l | 97     |
| 25) 2-Butanone                | 7.17 | 43  | 41858  | 109.896 | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 7.17 | 77  | 42375  | 18.823  | ug/l | 98     |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96  | 34732  | 20.873  | ug/l | 98     |
| 28) Bromochloromethane        | 7.51 | 49  | 19263  | 22.765  | ug/l | 99     |
| 29) Tetrahydrofuran           | 7.52 | 42  | 28690  | 111.314 | ug/l | 99     |
| 30) Chloroform                | 7.68 | 83  | 53589  | 21.022  | ug/l | 96     |
| 31) Cyclohexane               | 7.95 | 56  | 46260  | 18.686  | ug/l | 96     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97  | 48682  | 19.981  | ug/l | 98     |
| 36) 1,1-Dichloropropene       | 8.08 | 75  | 40426  | 18.828  | ug/l | 100    |
| 37) Ethyl Acetate             | 7.25 | 43  | 18493  | 20.254  | ug/l | 96     |
| 38) Carbon Tetrachloride      | 8.07 | 117 | 43278  | 18.685  | ug/l | 99     |

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 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0520SBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 5/21/2019 11:29:11 AM

Quant Time: May 21 07:04:50 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W052019S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 21 06:38:43 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 53656    | 18.652  | ug/l   | 99       |
| 40) Benzene                    | 8.32  | 78   | 116597   | 19.538  | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.48  | 41   | 10639    | 19.611  | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 35088    | 20.572  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.43  | 43   | 37984    | 20.824  | ug/l   | 98       |
| 44) Trichloroethene            | 9.09  | 130  | 33600    | 18.965  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 28142    | 19.856  | ug/l   | 100      |
| 46) Dibromomethane             | 9.46  | 93   | 17200    | 20.751  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.65  | 83   | 41535    | 19.940  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.44  | 41   | 16952    | 20.314  | ug/l   | 97       |
| 49) 1,4-Dioxane                | 9.45  | 88   | 5871     | 433.592 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 97425    | 105.404 | ug/l   | 99       |
| 52) Toluene                    | 10.39 | 92   | 78092    | 19.485  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.60 | 75   | 41206    | 19.533  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 47507    | 19.718  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 24676    | 20.702  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 33545    | 20.406  | ug/l   | 100      |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 41162    | 20.616  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.92  | 63   | 78768    | 108.179 | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.97 | 43   | 66559    | 100.946 | ug/l   | 99       |
| 60) Dibromochloromethane       | 11.13 | 129  | 30083    | 19.942  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.23 | 107  | 24876    | 20.602  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.86 | 164  | 27995    | 19.327  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.66 | 112  | 86122    | 19.447  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 30925    | 19.494  | ug/l   | 100      |
| 67) Ethyl Benzene              | 11.73 | 91   | 149378   | 19.105  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.84 | 106  | 117691   | 38.376  | ug/l   | 99       |
| 69) o-Xylene                   | 12.16 | 106  | 55644    | 19.150  | ug/l   | 98       |
| 70) Styrene                    | 12.18 | 104  | 96745    | 19.624  | ug/l   | 99       |
| 71) Bromoform                  | 12.35 | 173  | 16946    | 19.398  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.46 | 105  | 148158   | 19.099  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.27 | 43   | 34543    | 19.432  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 29084    | 20.613  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 19996m   | 20.151  | ug/l   |          |
| 77) Bromobenzene               | 12.75 | 156  | 34480    | 19.862  | ug/l   | 96       |
| 78) n-propylbenzene            | 12.80 | 91   | 172724   | 19.106  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.89 | 91   | 103570   | 19.755  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 128753   | 19.597  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.51 | 75   | 9311     | 19.583  | ug/l   | 96       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 107430   | 19.742  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.21 | 119  | 108130   | 18.841  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.25 | 105  | 127379   | 19.466  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.38 | 105  | 152518   | 18.990  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.50 | 119  | 136716   | 18.807  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.50 | 146  | 66533    | 19.535  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 66228    | 19.381  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.83 | 91   | 127822   | 18.486  | ug/l   | 100      |
| 90) Hexachloroethane           | 14.10 | 117  | 27214    | 19.341  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 60089    | 19.363  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 5272     | 20.094  | ug/l   | 98       |

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Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0520SBSD01

Manual Integrations  
APPROVED

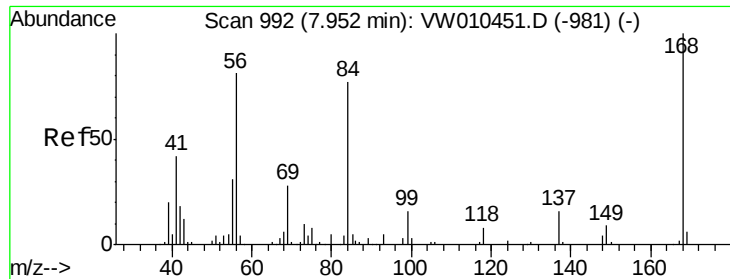
MMDadoda  
5/21/2019 11:29:11 AM

Quant Time: May 21 07:04:50 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W052019S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 21 06:38:43 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.14 | 180  | 39406    | 18.663 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 20071    | 17.794 | ug/l  | 98       |
| 95) Naphthalene            | 15.37 | 128  | 88692    | 20.011 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.56 | 180  | 34611    | 19.050 | ug/l  | 97       |

(#) = 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. -0.01 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA\_W

ClientSampleId :

VW0520SBS01

Tot Ion:168 Resp: 126325

Ion Ratio Lower Upper

168 100

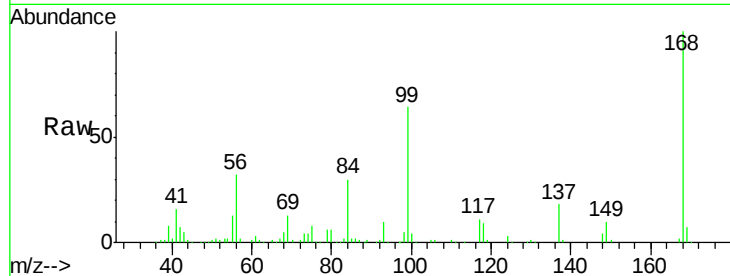
99 64.1 46.1 69.1

Manual Integrations

APPROVED

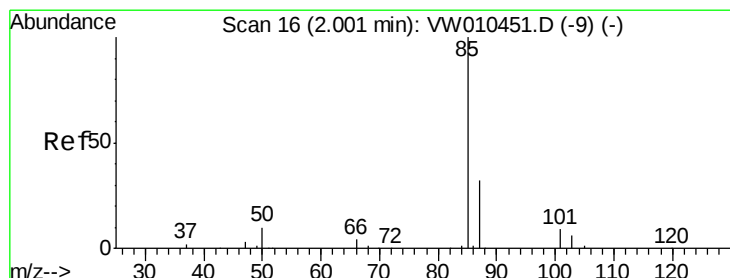
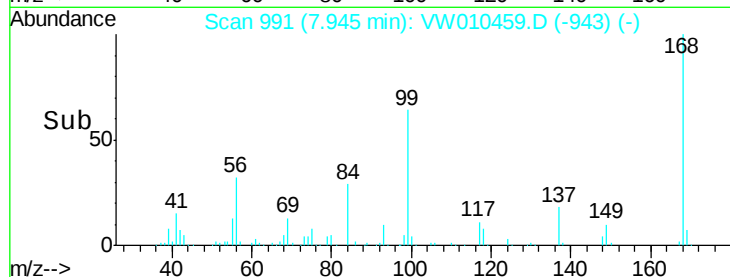
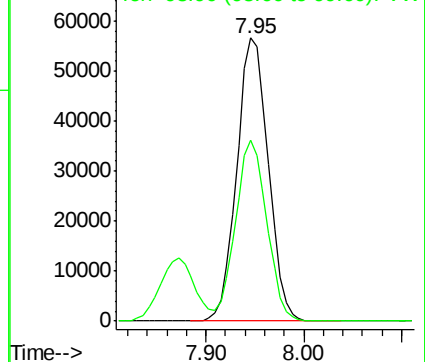
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5/21/2019 11:29:11 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 15.864 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010459.D

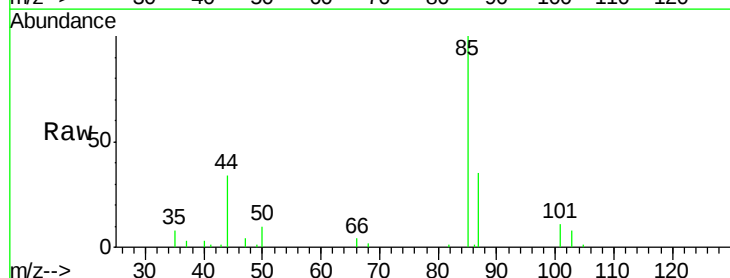
Acq: 20 May 2019 20:59

Tgt Ion: 85 Resp: 18068

Ion Ratio Lower Upper

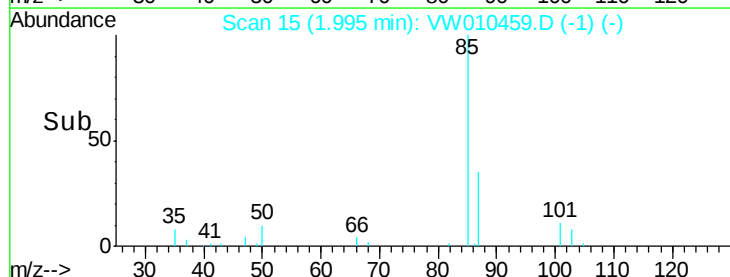
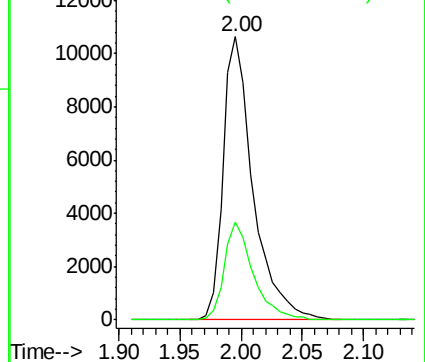
85 100

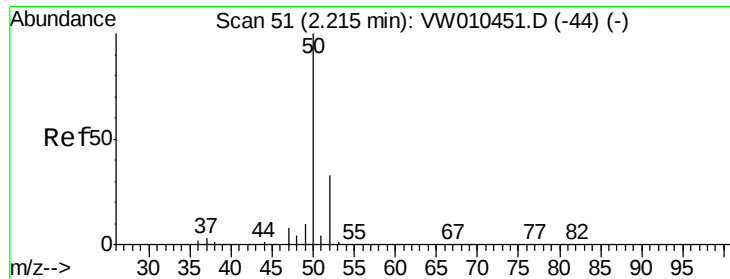
87 34.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 17.586 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA\_W

ClientSampleId :

VW0520SBSD01

Tot Ion: 50 Resp: 23341

Ion Ratio Lower Upper

50 100

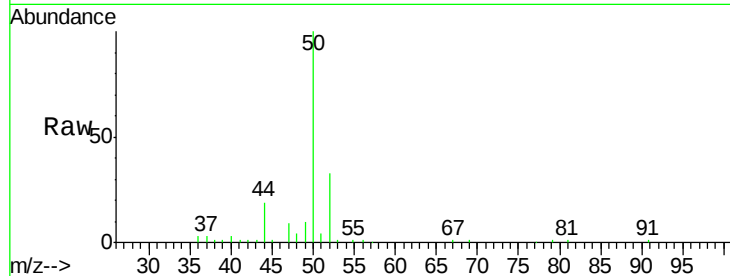
52 33.5 26.3 39.5

Manual Integrations

APPROVED

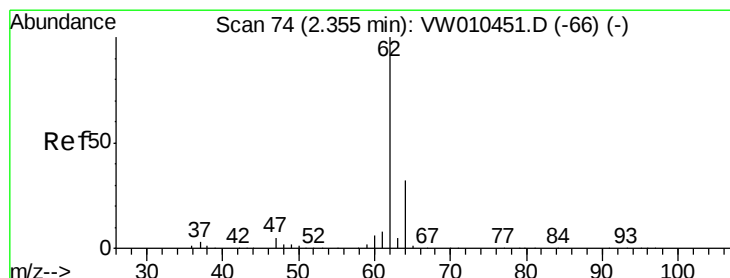
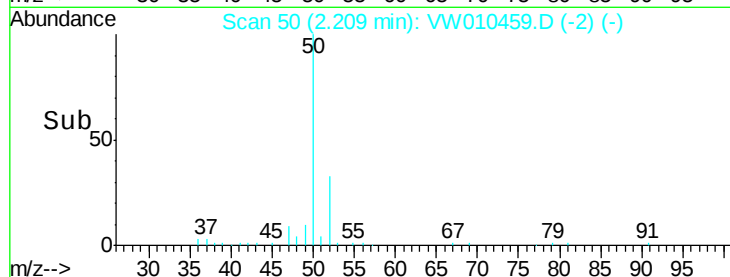
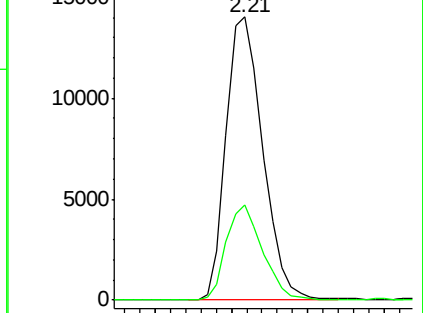
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5/21/2019 11:29:11 AM



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 17.304 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.01 min

Lab File: VW010459.D

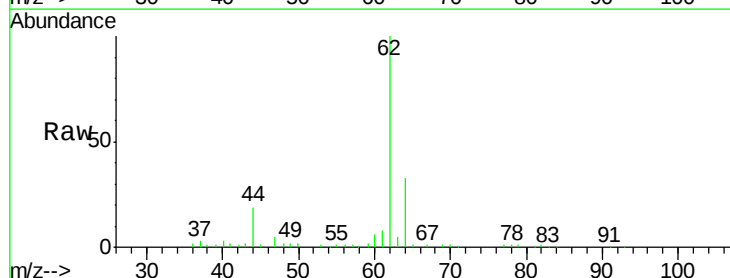
Acq: 20 May 2019 20:59

Tgt Ion: 62 Resp: 26603

Ion Ratio Lower Upper

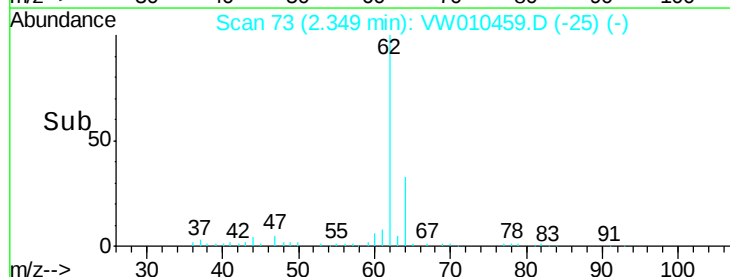
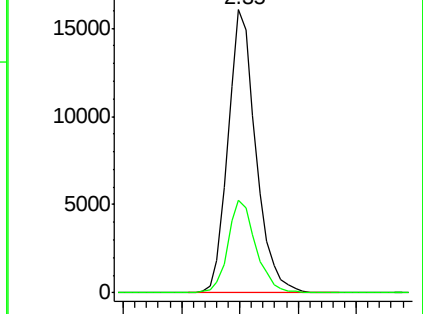
62 100

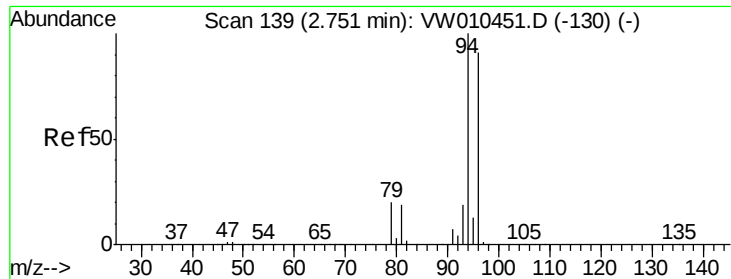
64 32.5 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 19.805 ug/l

RT: 2.74 min Scan# 137

Delta R.T. -0.01 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA\_W

ClientSampleId :

VW0520SBS01

Tot Ion: 94 Resp: 20947

Ion Ratio Lower Upper

94 100

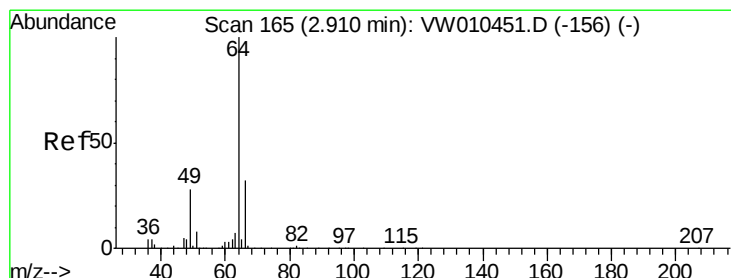
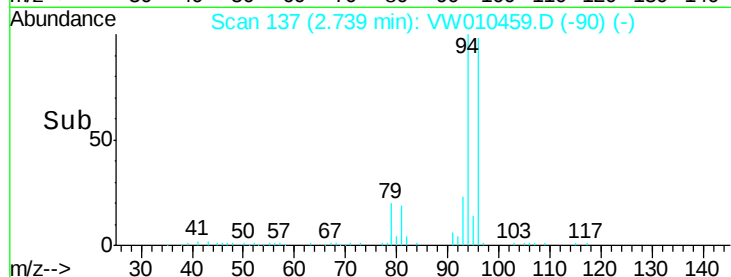
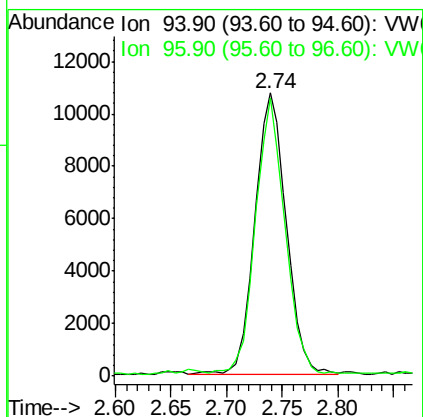
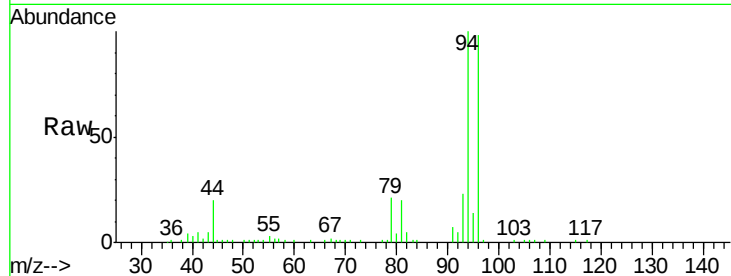
96 97.8 72.9 109.3

Manual Integrations

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5/21/2019 11:29:11 AM



#6

Chloroethane

Concen: 18.662 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.01 min

Lab File: VW010459.D

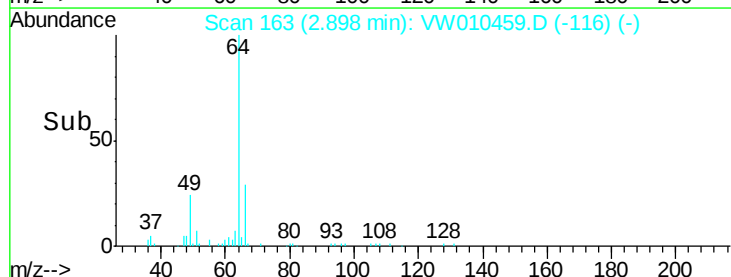
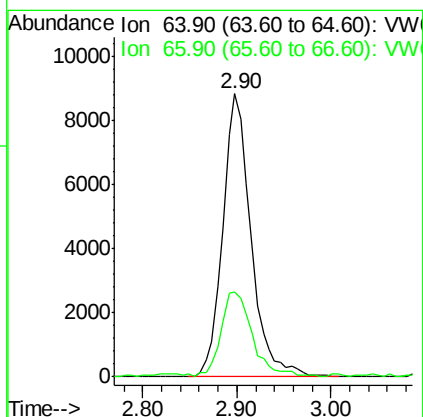
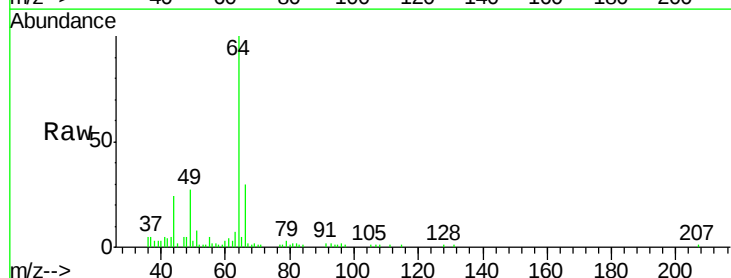
Acq: 20 May 2019 20:59

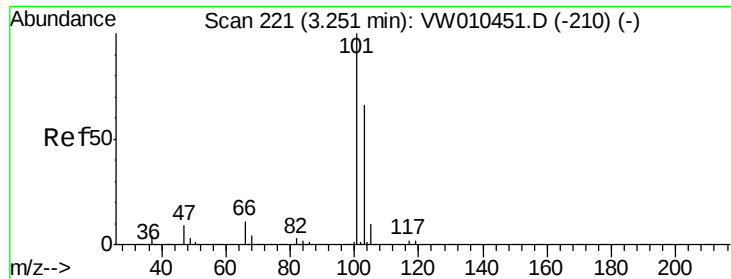
Tgt Ion: 64 Resp: 18418

Ion Ratio Lower Upper

64 100

66 29.0 25.5 38.3





#7

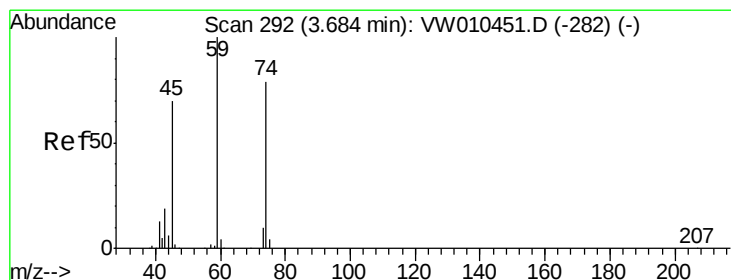
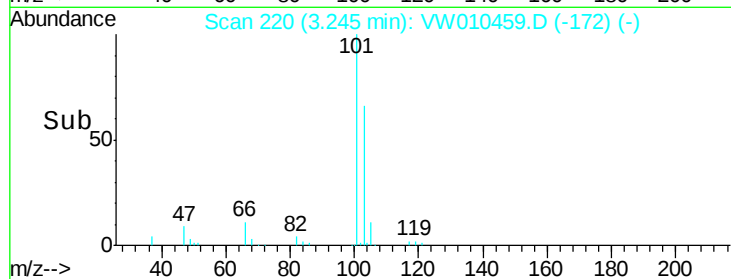
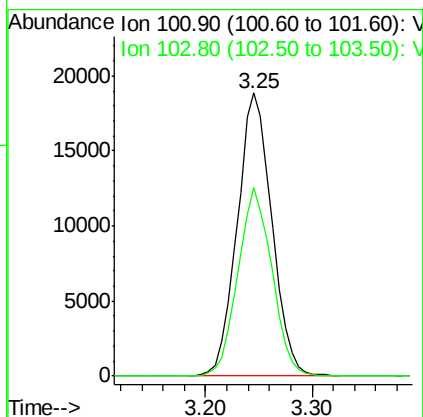
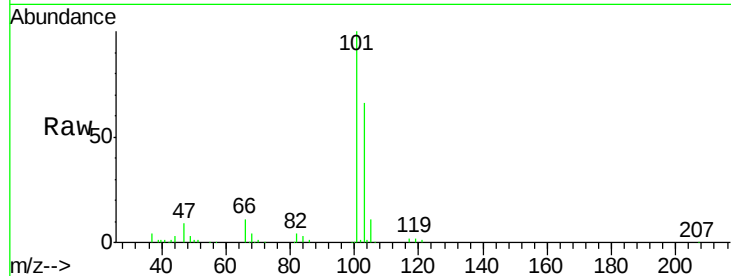
Trichlorofluoromethane  
 Concen: 18.998 ug/l  
 RT: 3.25 min Scan# 220  
 Delta R.T. -0.01 min  
 Lab File: VW010459.D  
 Acq: 20 May 2019 20:59

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0520SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 66.5  | 53.0  | 79.4  |

Manual Integrations  
 APPROVED

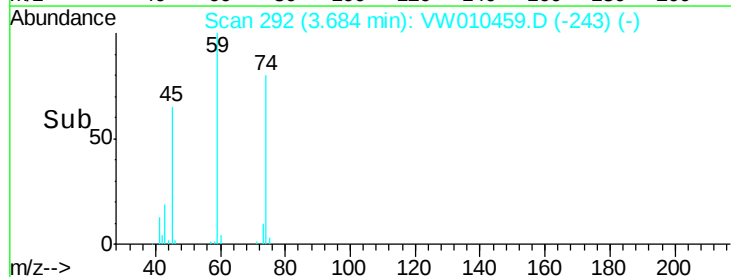
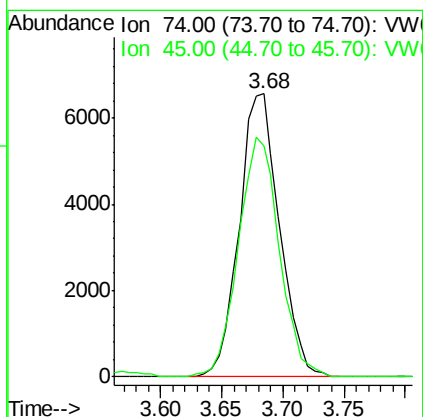
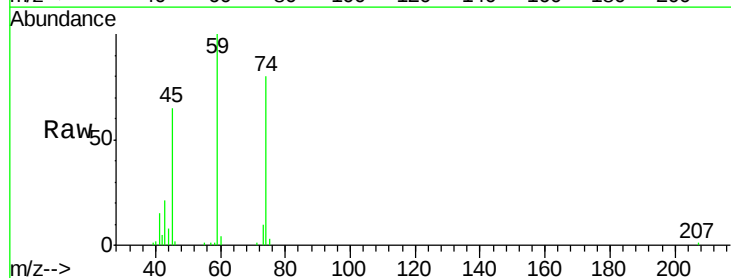
MMDadoda  
 5/21/2019 11:29:11 AM

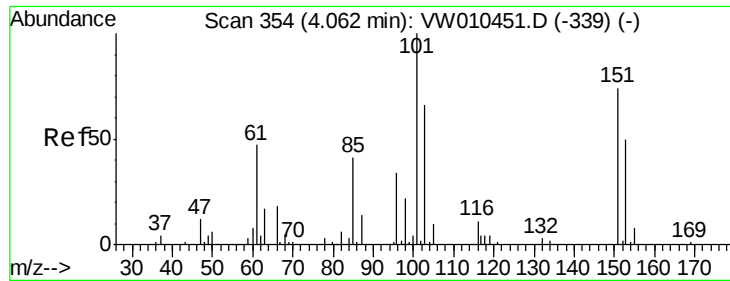


#8

Diethyl Ether  
 Concen: 20.799 ug/l  
 RT: 3.68 min Scan# 292  
 Delta R.T. -0.00 min  
 Lab File: VW010459.D  
 Acq: 20 May 2019 20:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 86.1  | 42.9  | 128.5 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.194 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA\_W

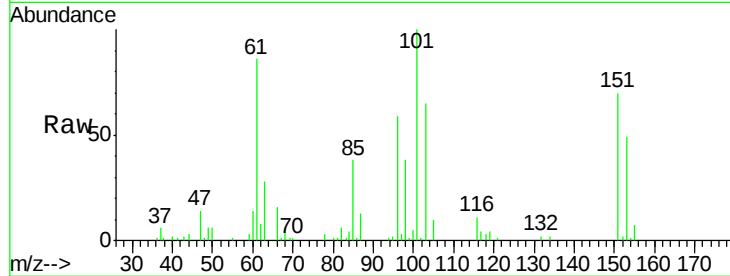
ClientSampleId :

VW0520SBS01

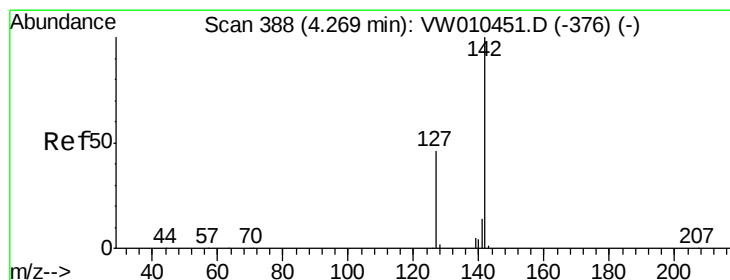
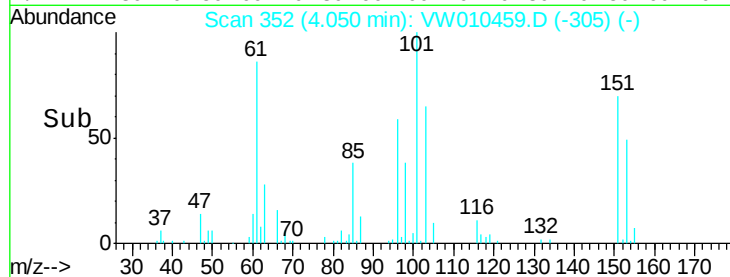
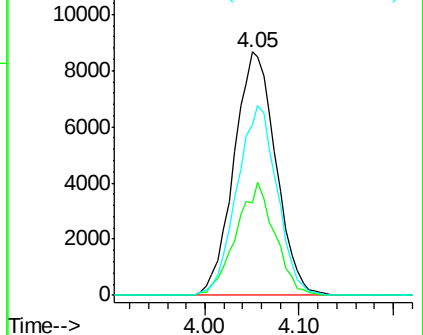
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 26829 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 42.8  | 34.3  | 51.5  |
| 151       | 75.3  | 60.3  | 90.5  |

Manual Integrations  
APPROVED

MMDadoda  
5/21/2019 11:29:11 AM



Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 84.90 (84.60 to 85.60): V  
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.456 ug/l

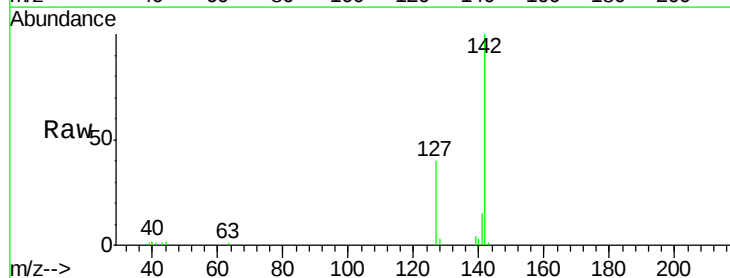
RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

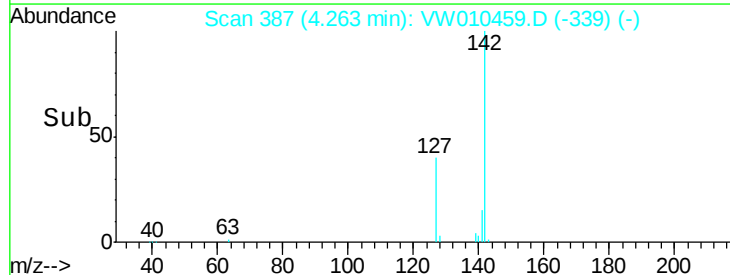
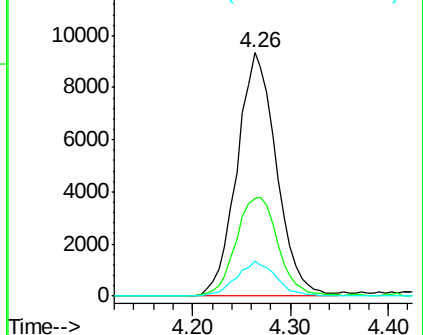
Lab File: VW010459.D

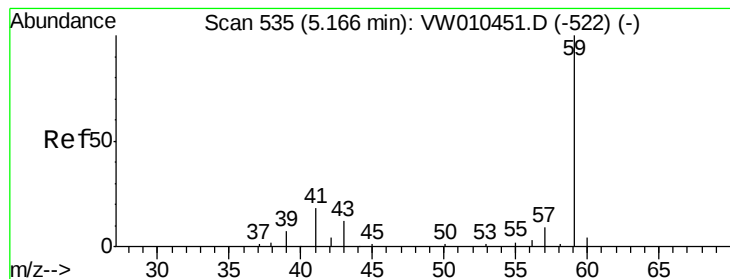
Acq: 20 May 2019 20:59

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 26292 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 43.2  | 36.1  | 54.1  |
| 141       | 14.1  | 11.3  | 16.9  |



Abundance Ion 141.80 (141.50 to 142.50): V  
Ion 126.80 (126.50 to 127.50): V  
Ion 140.80 (140.50 to 141.50): V





#11

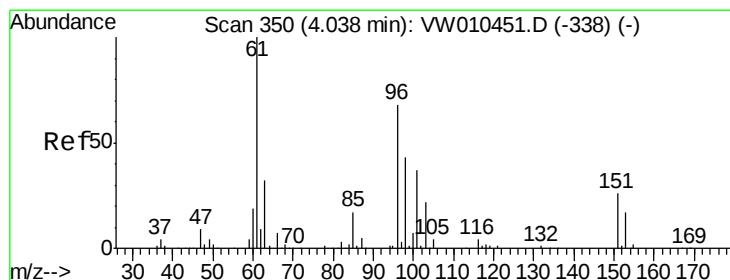
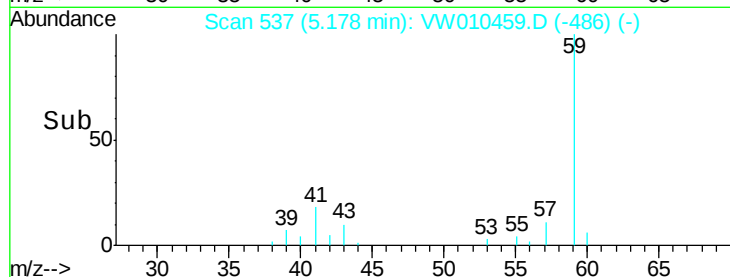
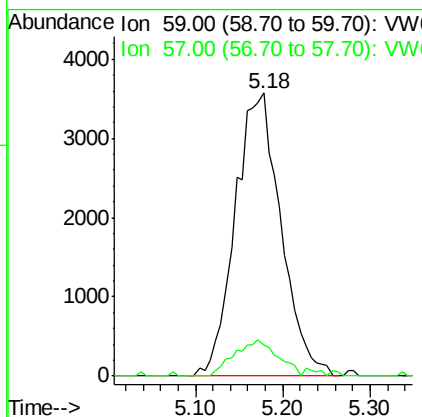
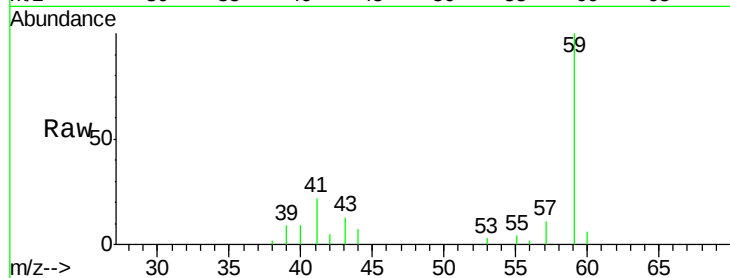
Tert butyl alcohol  
 Concen: 111.158 ug/l  
 RT: 5.18 min Scan# 537  
 Delta R.T. 0.01 min  
 Lab File: VW010459.D  
 Acq: 20 May 2019 20:59

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0520SBS01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 59      | 100   | 13037 |       |       |
| 57      | 12.0  |       | 8.8   | 13.2  |

Manual Integrations  
 APPROVED

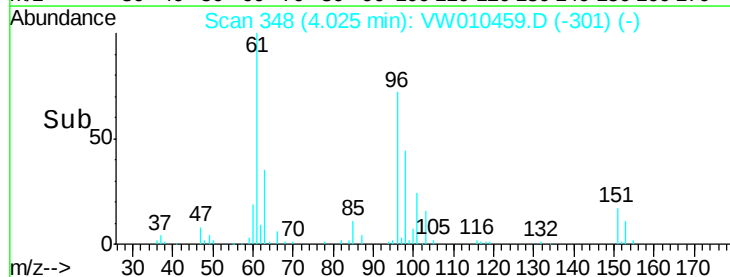
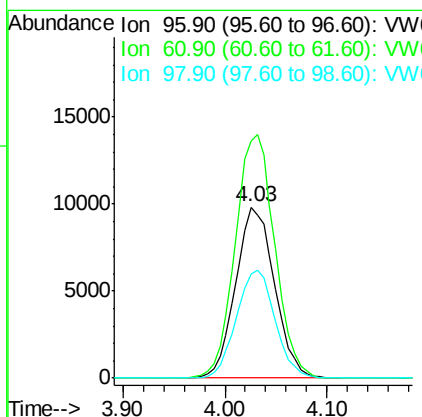
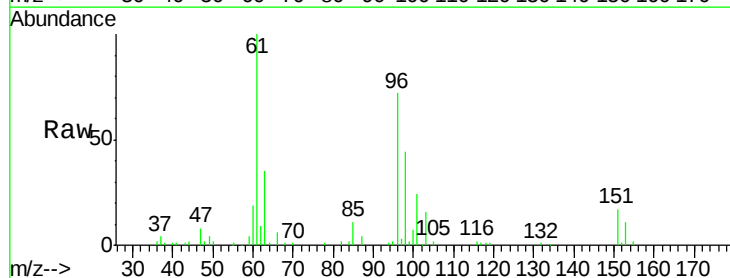
MMDadoda  
 5/21/2019 11:29:11 AM

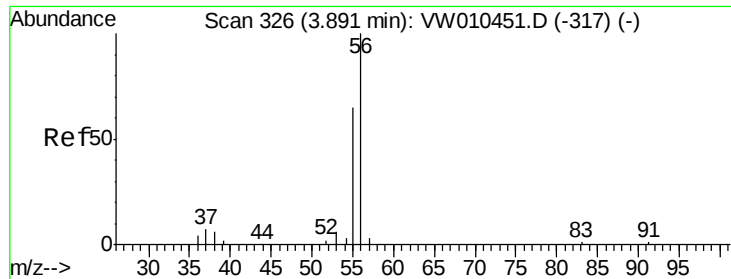


#12

1,1-Dichloroethene  
 Concen: 19.513 ug/l  
 RT: 4.03 min Scan# 348  
 Delta R.T. -0.01 min  
 Lab File: VW010459.D  
 Acq: 20 May 2019 20:59

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 96      | 100   | 26036 |       |       |
| 61      | 138.4 |       | 118.3 | 177.5 |
| 98      | 60.5  |       | 51.0  | 76.6  |





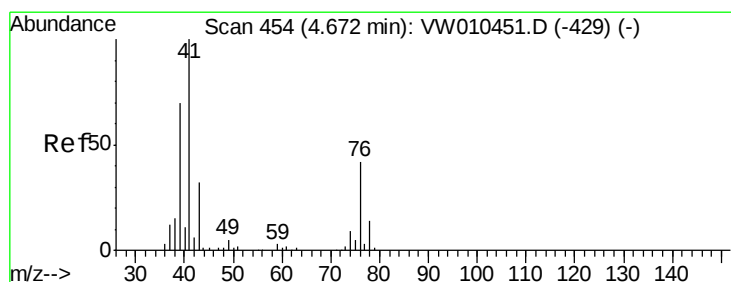
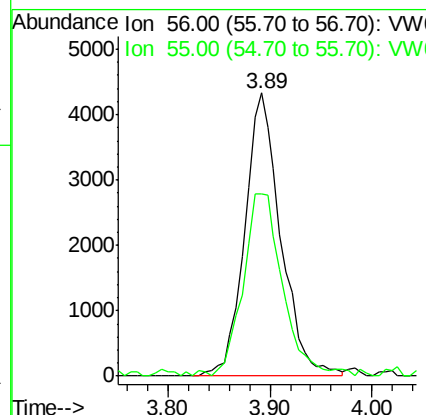
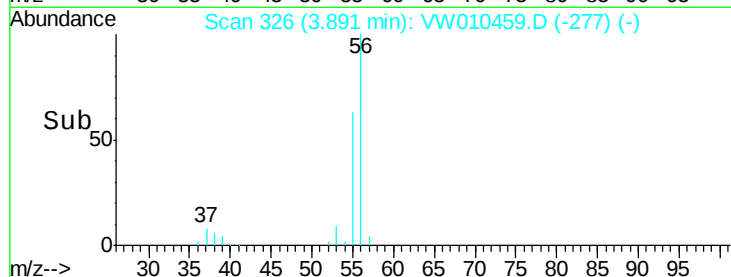
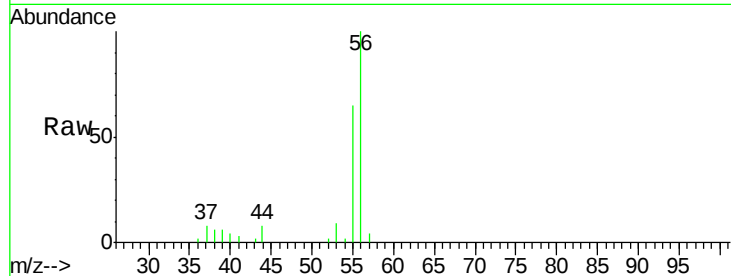
#13  
Acrolein  
Concen: 145.310 ug/l  
RT: 3.89 min Scan# 326  
Delta R.T. 0.00 min  
Lab File: VW010459.D  
Acq: 20 May 2019 20:59

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0520SBS01

| Tot Ion   | 56   | Resp  | 10569 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 55        | 70.8 | 57.9  | 86.9  |

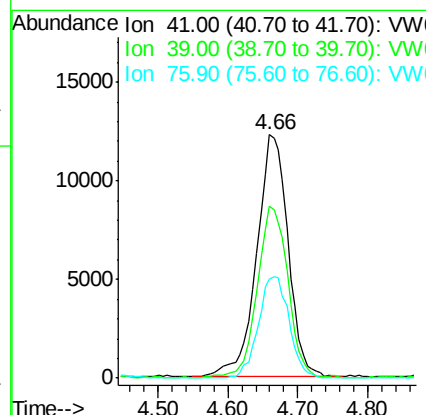
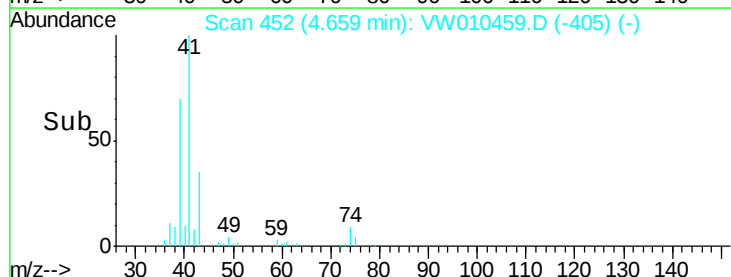
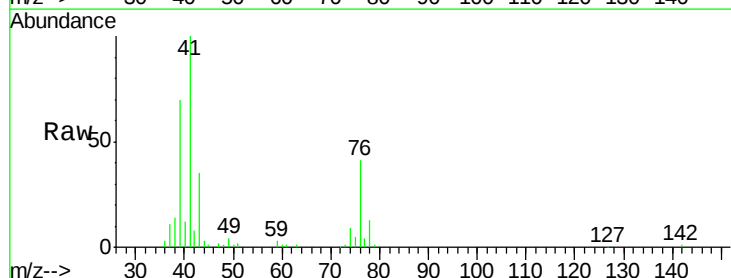
Manual Integrations  
APPROVED

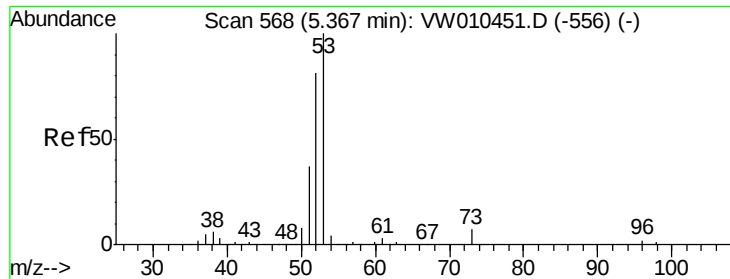
MMDadoda  
5/21/2019 11:29:11 AM



#14  
Allyl chloride  
Concen: 19.901 ug/l  
RT: 4.66 min Scan# 452  
Delta R.T. -0.01 min  
Lab File: VW010459.D  
Acq: 20 May 2019 20:59

| Tgt Ion   | 41   | Resp  | 38438 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 39        | 69.3 | 55.0  | 82.4  |
| 76        | 40.8 | 32.8  | 49.2  |





#15

Acrylonitrile

Concen: 107.674 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA\_W

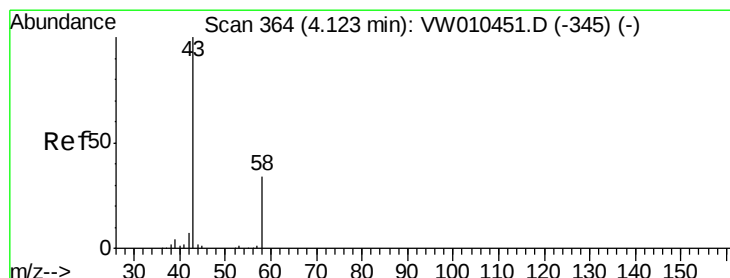
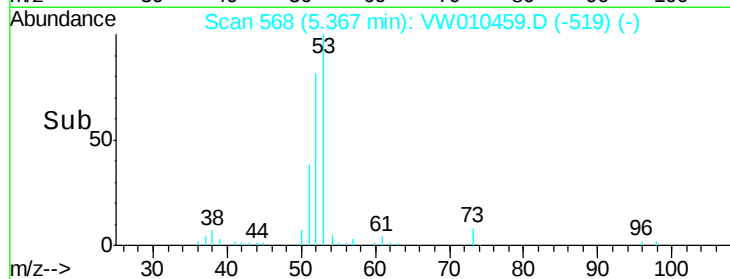
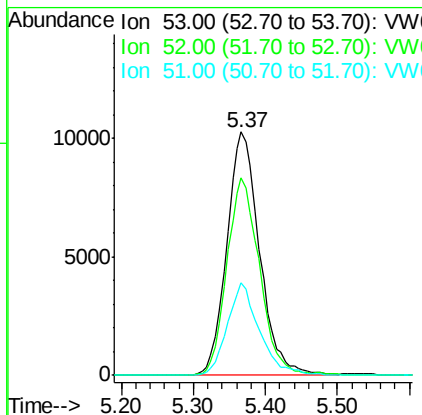
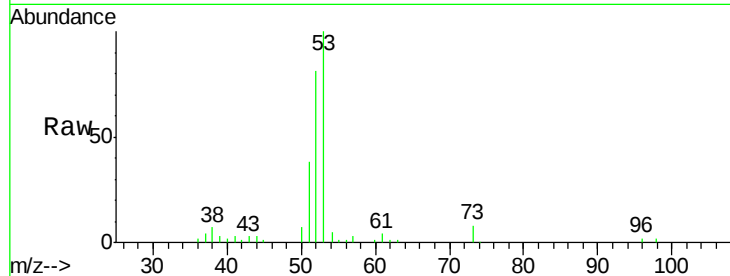
ClientSampleId :

VW0520SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 32445 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 80.6  | 65.6  | 98.4  |
| 51       | 37.2  | 29.5  | 44.3  |

Manual Integrations  
APPROVED

MMDadoda  
5/21/2019 11:29:11 AM



#16

Acetone

Concen: 95.720 ug/l

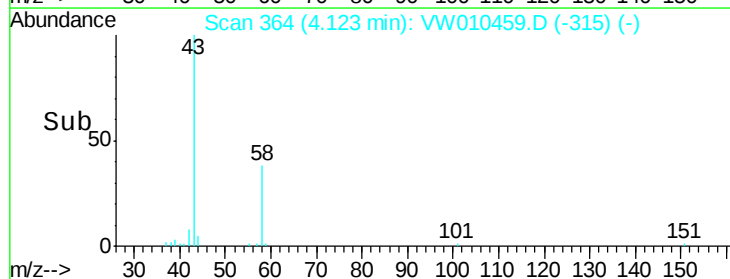
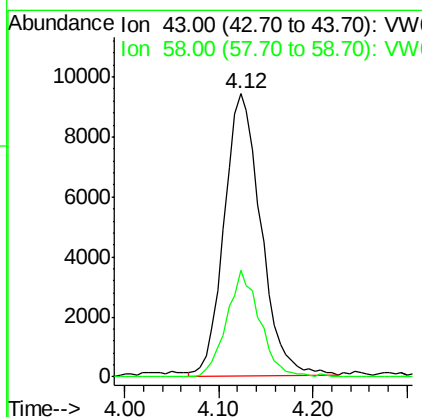
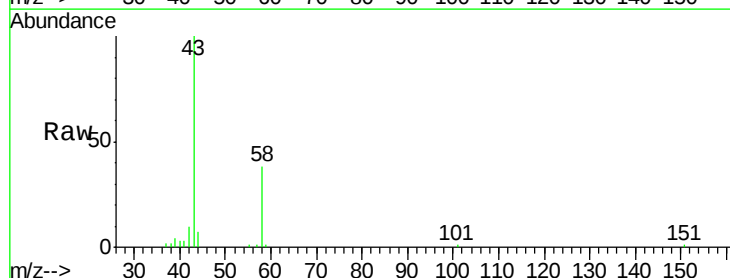
RT: 4.12 min Scan# 364

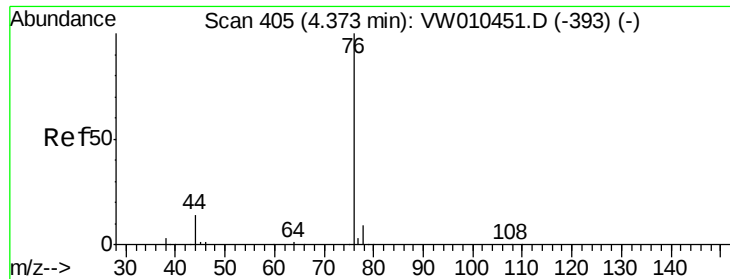
Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 25476 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 38.2  | 27.0  | 40.4  |





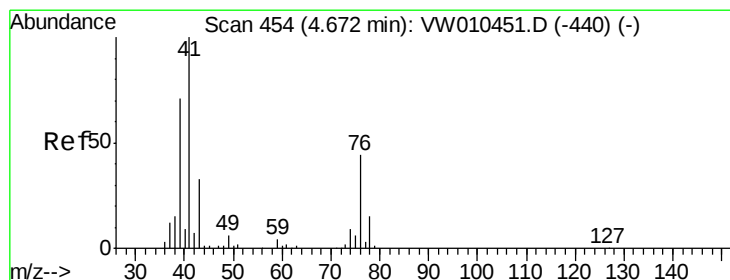
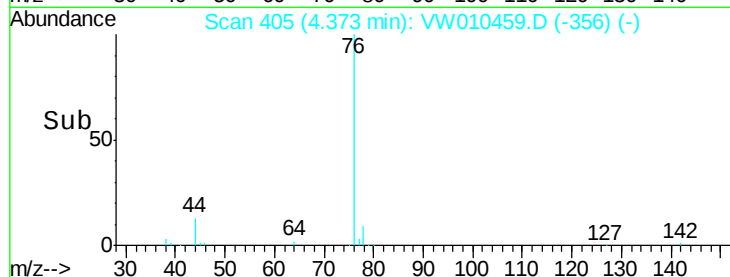
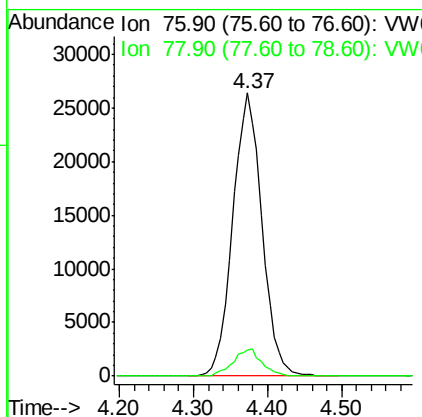
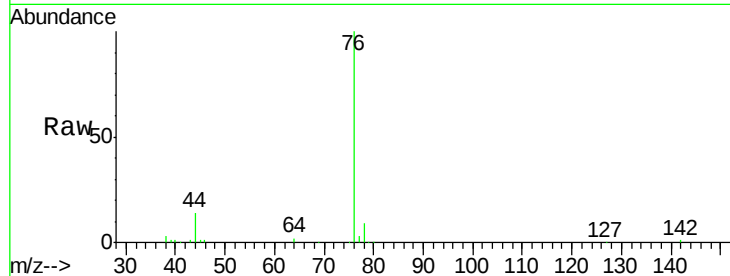
#17  
Carbon Disulfide  
Concen: 18.209 ug/l  
RT: 4.37 min Scan# 405  
Delta R.T. -0.00 min  
Lab File: VW010459.D  
Acq: 20 May 2019 20:59

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0520SBSD01

| Tot Ion   | 76    | Resp  | 72470 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 76        | 100   |       |       |
| 78        | 9.3   | 7.1   | 10.7  |

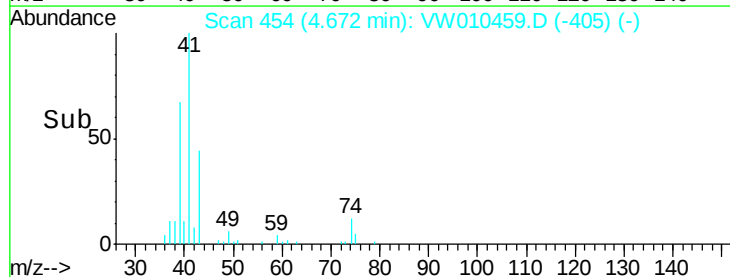
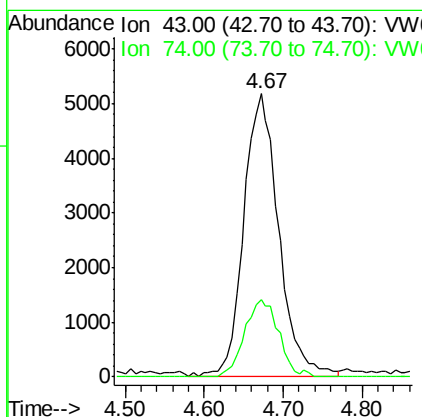
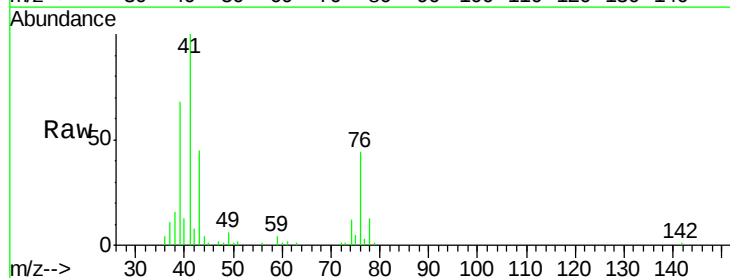
Manual Integrations  
APPROVED

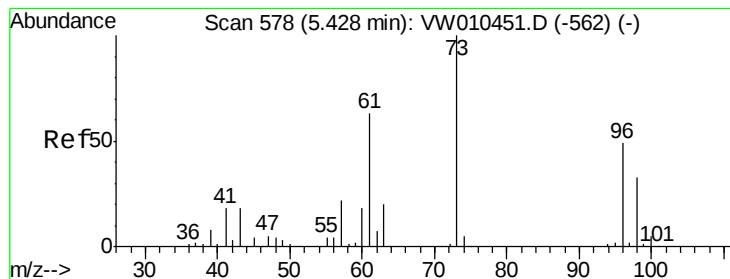
MMDadoda  
5/21/2019 11:29:11 AM



#18  
Methyl Acetate  
Concen: 24.618 ug/l  
RT: 4.67 min Scan# 454  
Delta R.T. -0.00 min  
Lab File: VW010459.D  
Acq: 20 May 2019 20:59

| Tgt Ion   | 43    | Resp  | 16025 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 74        | 26.0  | 21.6  | 32.4  |





#19

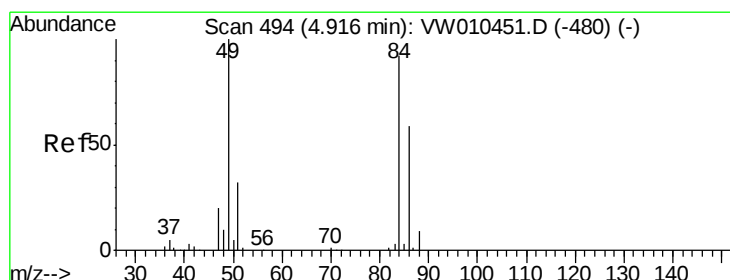
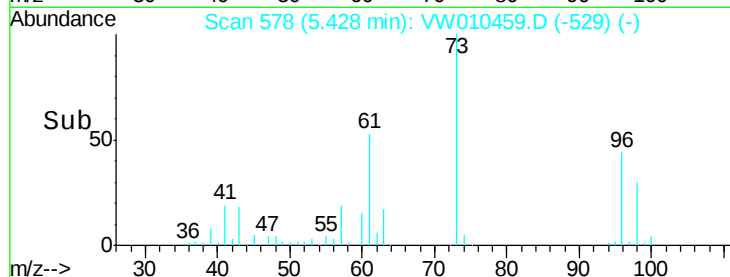
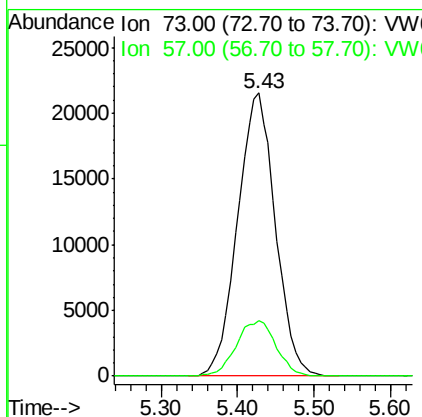
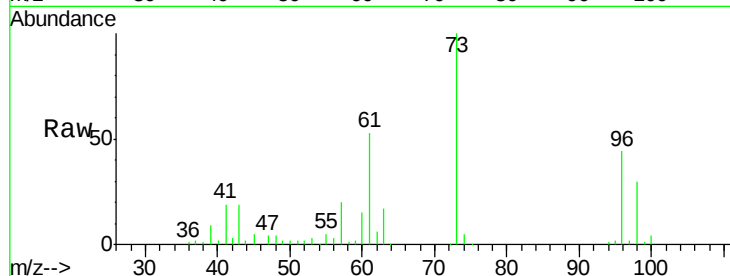
Methyl tert-butyl Ether  
 Concen: 21.621 ug/l  
 RT: 5.43 min Scan# 578  
 Delta R.T. -0.00 min  
 Lab File: VW010459.D  
 Acq: 20 May 2019 20:59

Instrument :  
 MSVOA\_W  
 ClientSampleID :  
 VW0520SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 19.8  | 17.4  | 26.0  |

Manual Integrations  
 APPROVED

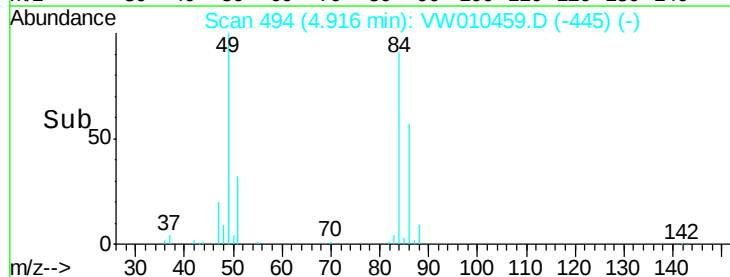
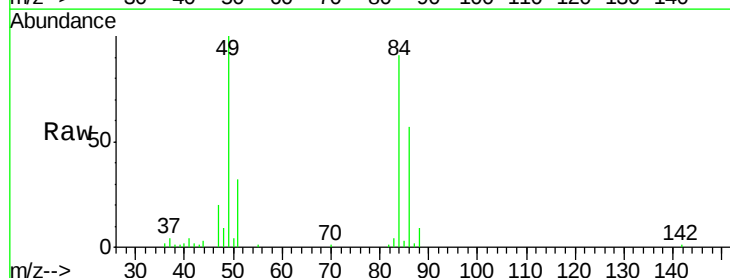
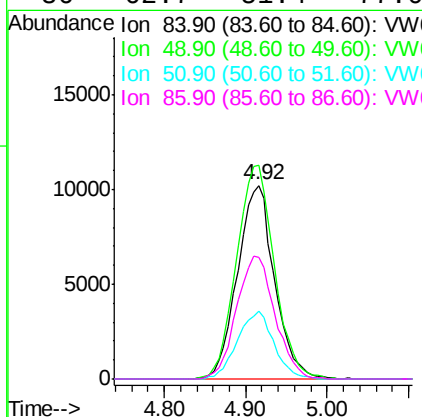
MMDadoda  
 5/21/2019 11:29:11 AM

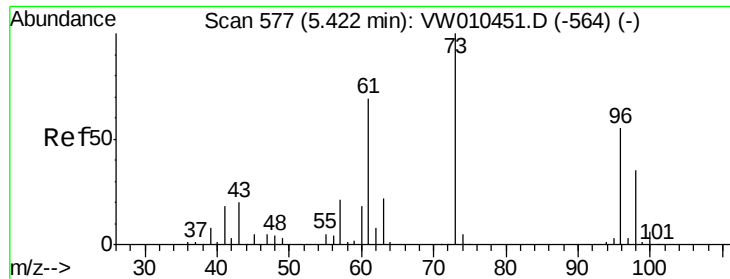


#20

Methylene Chloride  
 Concen: 17.289 ug/l  
 RT: 4.92 min Scan# 494  
 Delta R.T. 0.00 min  
 Lab File: VW010459.D  
 Acq: 20 May 2019 20:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 110.3 | 87.2  | 130.8 |
| 51      | 35.1  | 27.7  | 41.5  |
| 86      | 62.7  | 51.4  | 77.0  |





#21

trans-1,2-Dichloroethene

Concen: 19.635 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA\_W

ClientSampleId :

VW0520SBS01

Tot Ion: 96 Resp: 30052

Ion Ratio Lower Upper

96 100

61 122.8 101.4 152.0

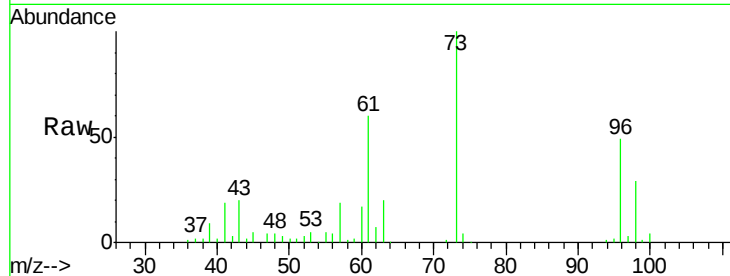
98 60.1 50.6 76.0

Manual Integrations

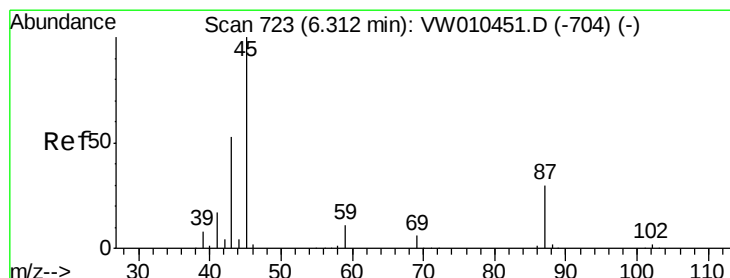
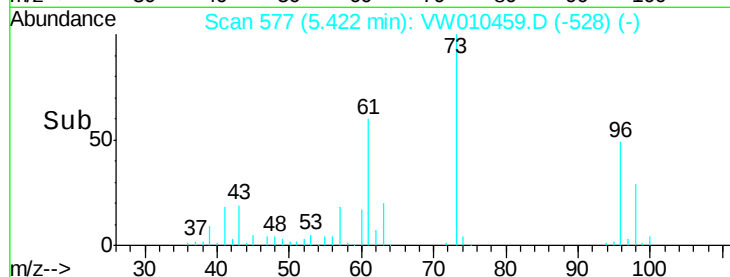
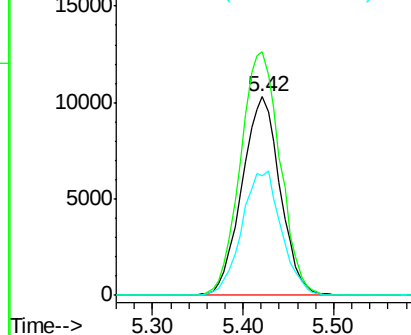
APPROVED

MMDadoda

5/21/2019 11:29:11 AM



Abundance Ion 95.90 (95.60 to 96.60): VW  
Ion 60.90 (60.60 to 61.60): VW  
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 20.715 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Tgt Ion: 45 Resp: 82040

Ion Ratio Lower Upper

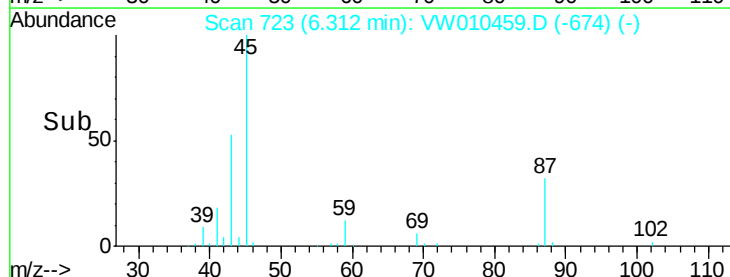
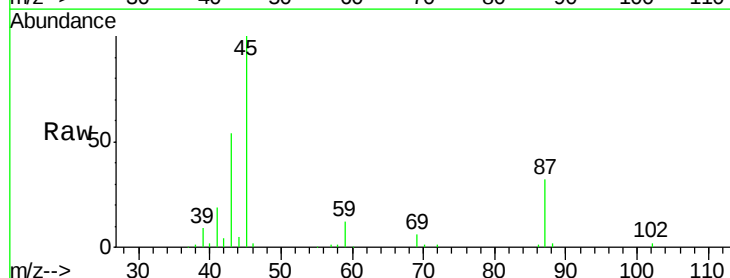
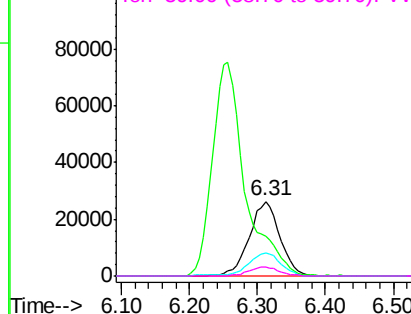
45 100

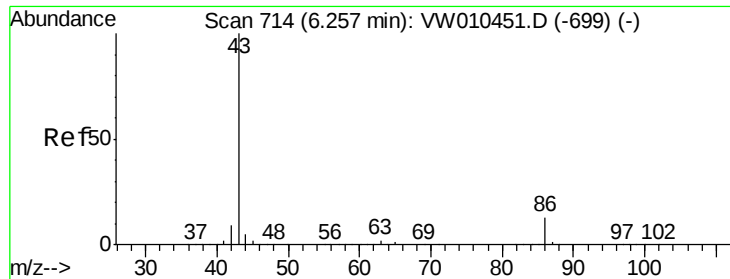
43 52.6 42.9 64.3

87 31.5 24.6 36.8

59 11.7 9.4 14.0

Abundance Ion 45.00 (44.70 to 45.70): VW  
Ion 43.00 (42.70 to 43.70): VW  
Ion 87.00 (86.70 to 87.70): VW  
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 106.482 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA\_W

ClientSampleId :

VW0520SBS01

Tot Ion: 43 Resp: 251902

Ion Ratio Lower Upper

43 100

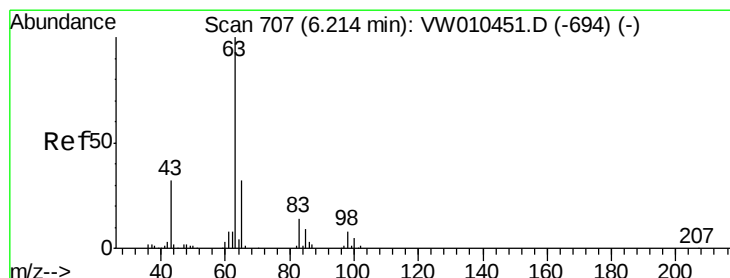
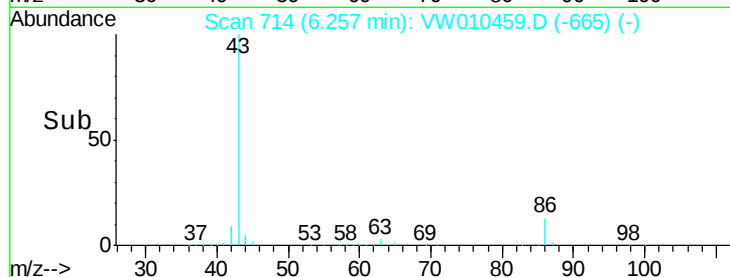
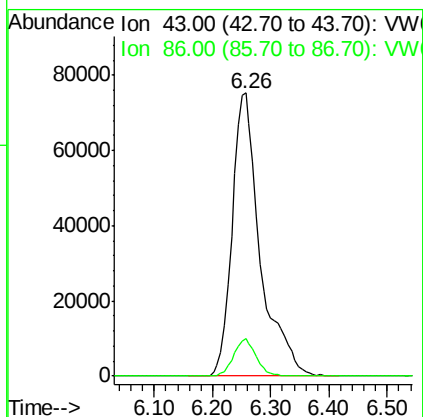
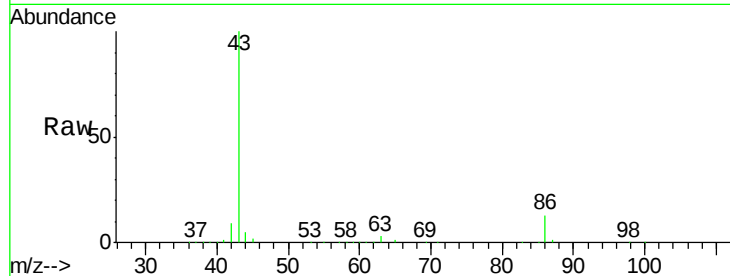
86 13.3 10.3 15.5

Manual Integrations

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MMDadoda

5/21/2019 11:29:11 AM



#24

1,1-Dichloroethane

Concen: 20.232 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

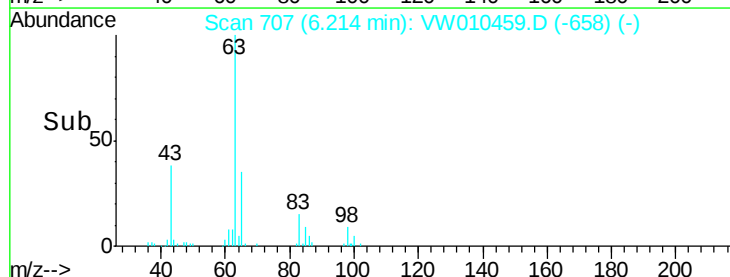
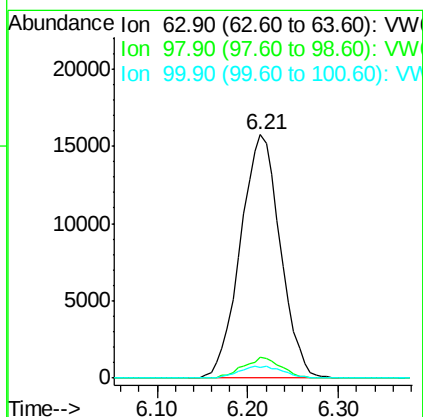
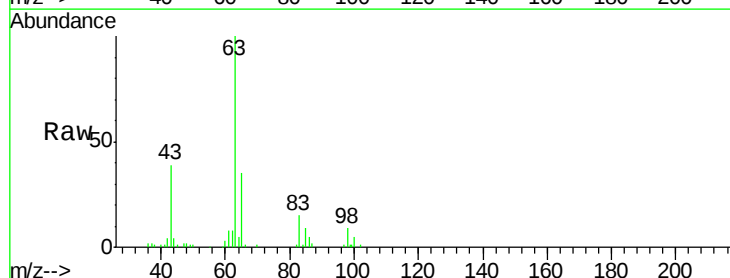
Tgt Ion: 63 Resp: 47815

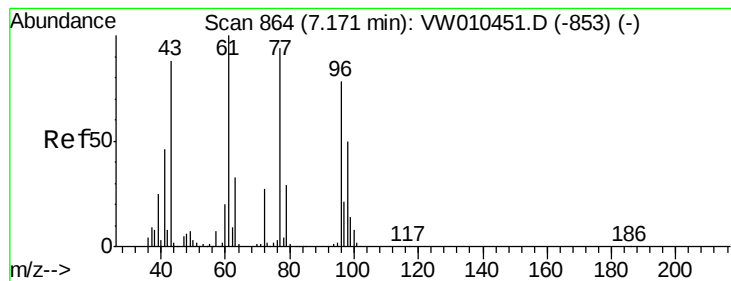
Ion Ratio Lower Upper

63 100

98 8.8 3.8 11.2

100 4.5 2.5 7.4





#25

2-Butanone

Concen: 109.896 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA\_W

ClientSampleId :

VW0520SBS01

Tot Ion: 43 Resp: 41858

Ion Ratio Lower Upper

43 100

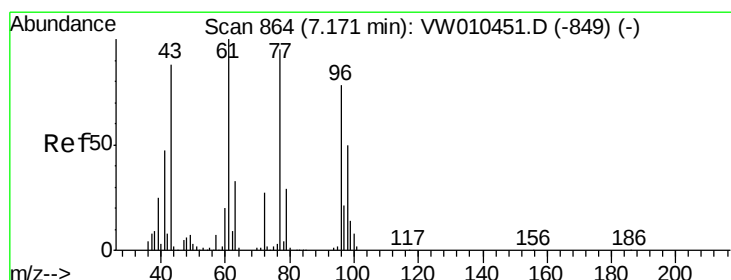
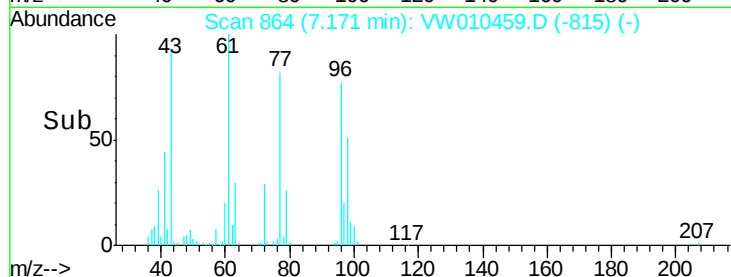
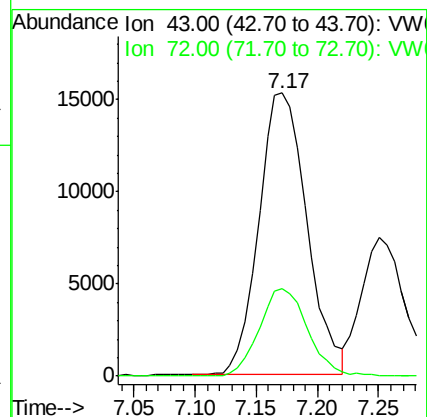
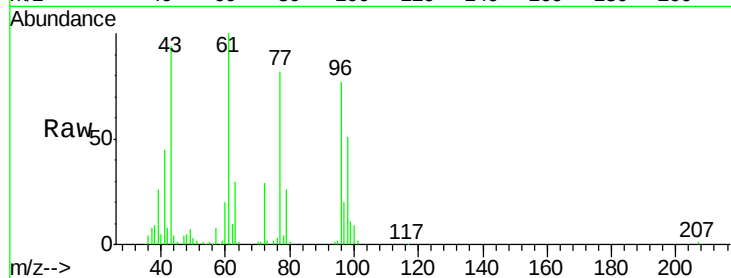
72 31.1 24.1 36.1

Manual Integrations

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MMDadoda

5/21/2019 11:29:11 AM



#26

2,2-Dichloropropane

Concen: 18.823 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010459.D

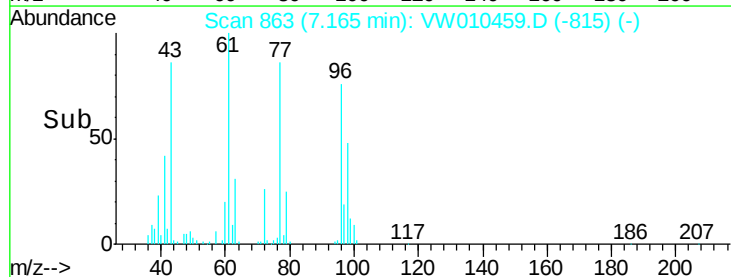
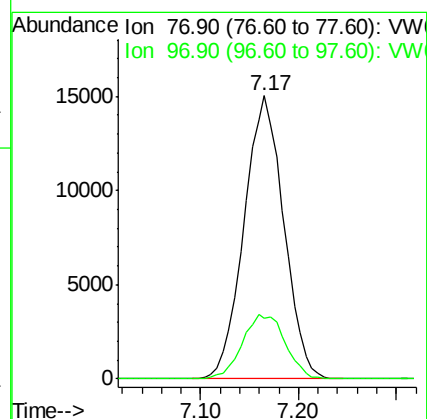
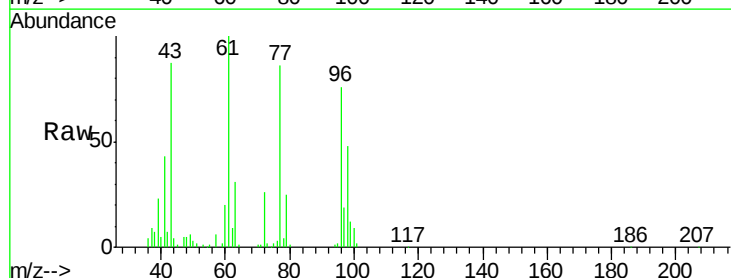
Acq: 20 May 2019 20:59

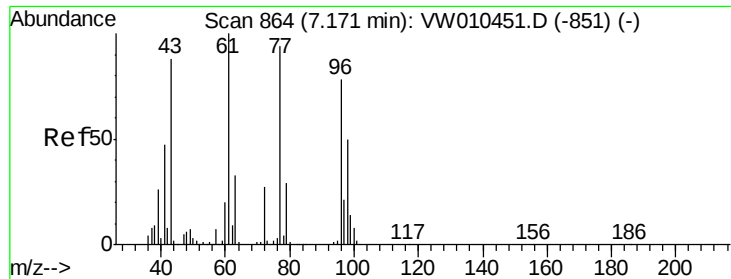
Tgt Ion: 77 Resp: 42375

Ion Ratio Lower Upper

77 100

97 24.4 11.7 35.0





#27

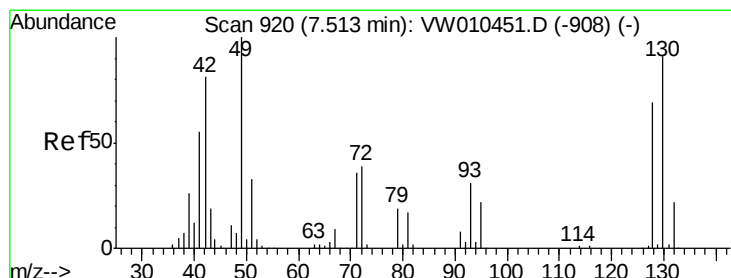
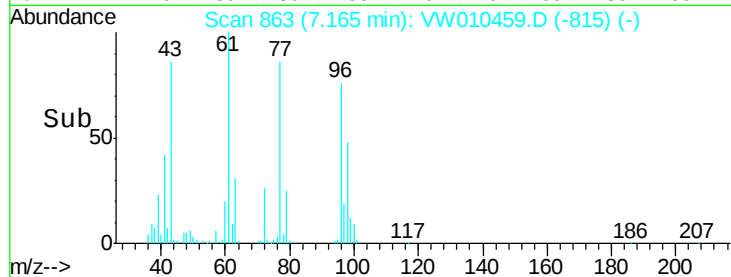
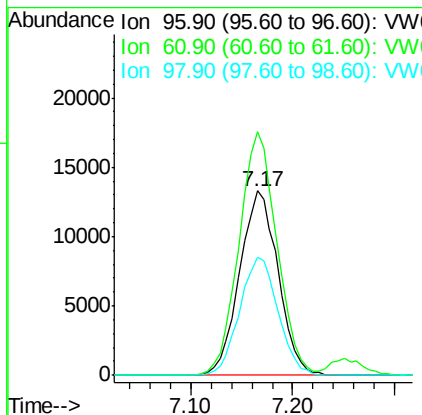
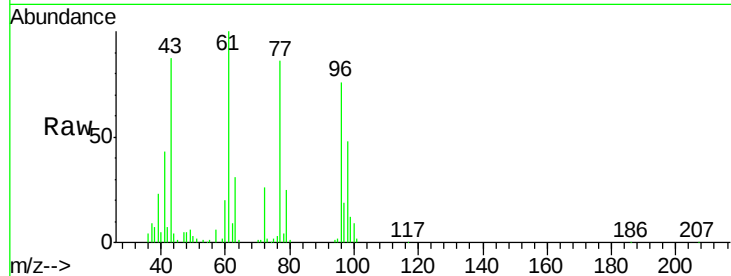
cis-1,2-Dichloroethene  
Concen: 20.873 ug/l  
RT: 7.17 min Scan# 863  
Delta R.T. -0.01 min  
Lab File: VW010459.D  
Acq: 20 May 2019 20:59

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0520SBS01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 96      | 100   | 34732 |       |       |
| 61      | 130.3 |       | 0.0   | 265.4 |
| 98      | 64.0  |       | 0.0   | 129.4 |

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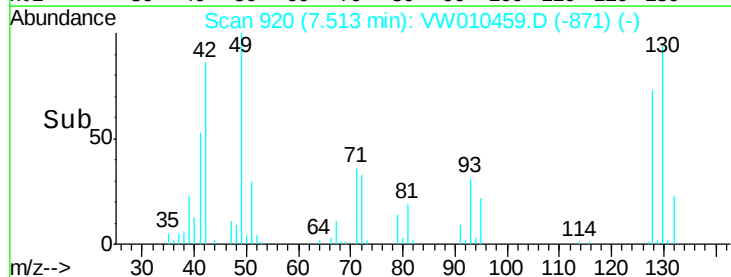
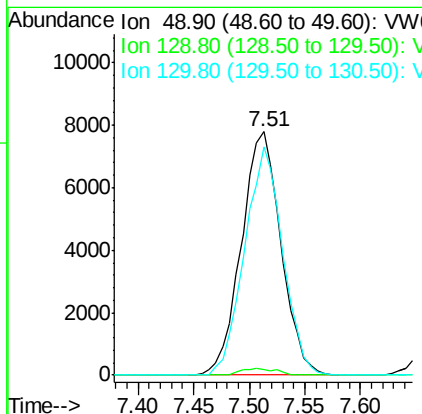
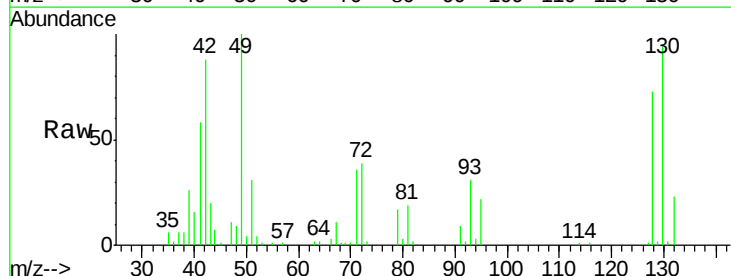
MMDadoda  
5/21/2019 11:29:11 AM

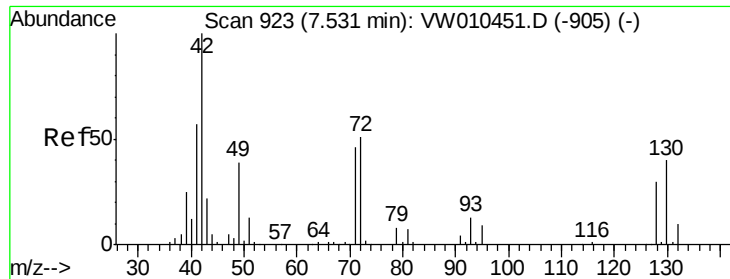


#28

Bromochloromethane  
Concen: 22.765 ug/l  
RT: 7.51 min Scan# 920  
Delta R.T. -0.00 min  
Lab File: VW010459.D  
Acq: 20 May 2019 20:59

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 49      | 100   | 19263 |       |       |
| 129     | 2.4   |       | 0.0   | 4.8   |
| 130     | 90.3  |       | 71.2  | 106.8 |





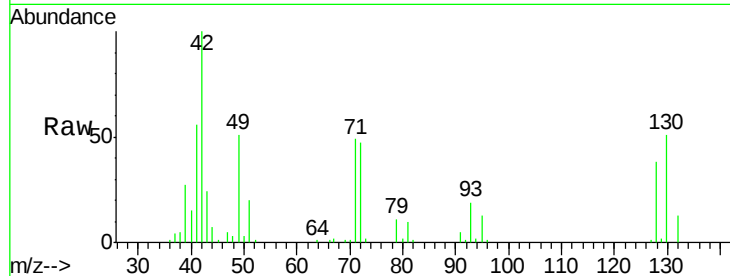
#29  
Tetrahydrofuran  
Concen: 111.314 ug/l  
RT: 7.52 min Scan# 922  
Delta R.T. -0.01 min  
Lab File: VW010459.D  
Acq: 20 May 2019 20:59

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0520SBS01

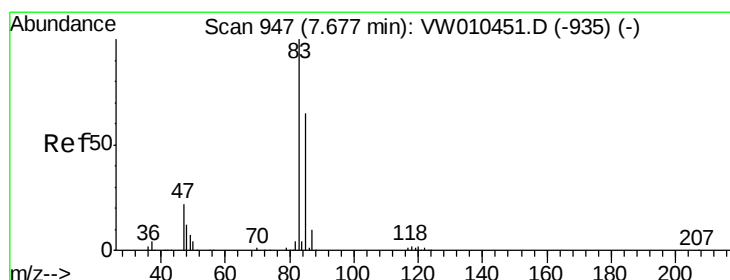
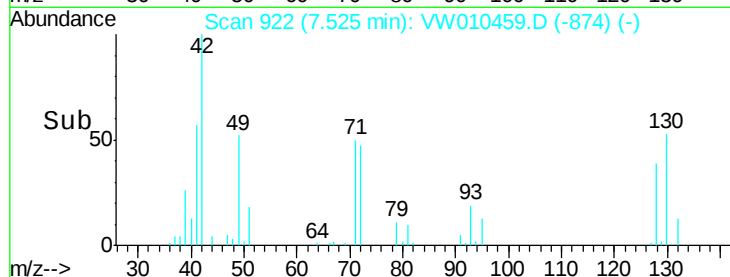
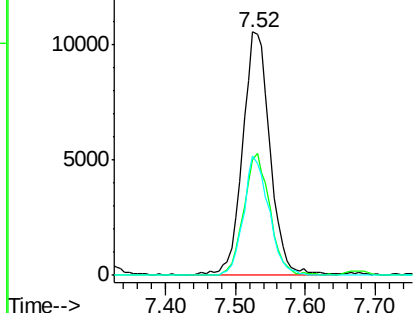
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 47.4  | 38.5  | 57.7  |
| 71      | 45.2  | 36.5  | 54.7  |

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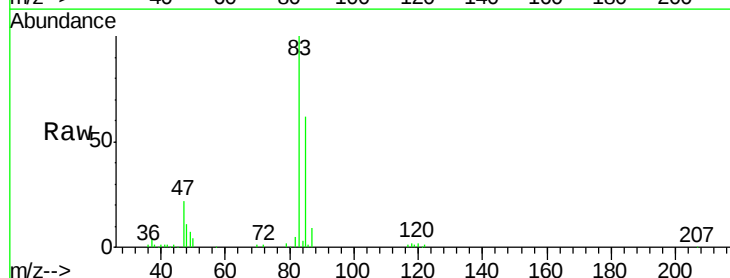


Abundance Ion 42.00 (41.70 to 42.70): VW  
Ion 72.00 (71.70 to 72.70): VW  
Ion 71.00 (70.70 to 71.70): VW

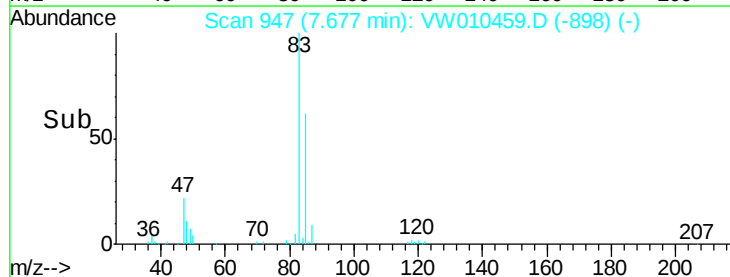
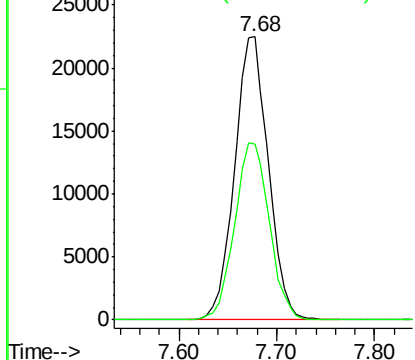


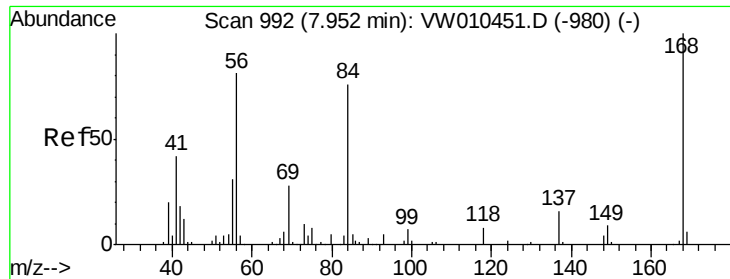
#30  
Chloroform  
Concen: 21.022 ug/l  
RT: 7.68 min Scan# 947  
Delta R.T. -0.00 min  
Lab File: VW010459.D  
Acq: 20 May 2019 20:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 62.0  | 52.2  | 78.4  |



Abundance Ion 82.90 (82.60 to 83.60): VW  
Ion 84.90 (84.60 to 85.60): VW





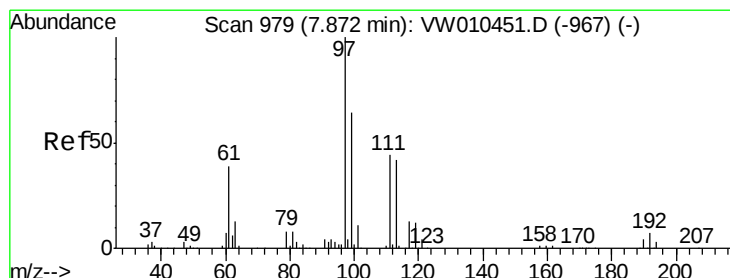
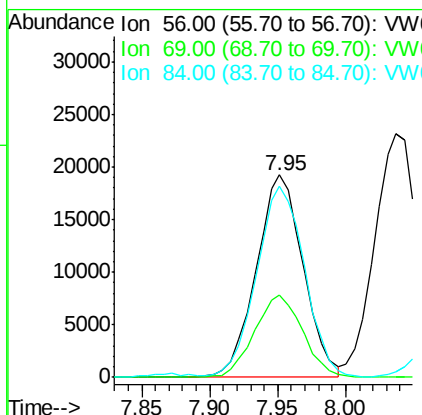
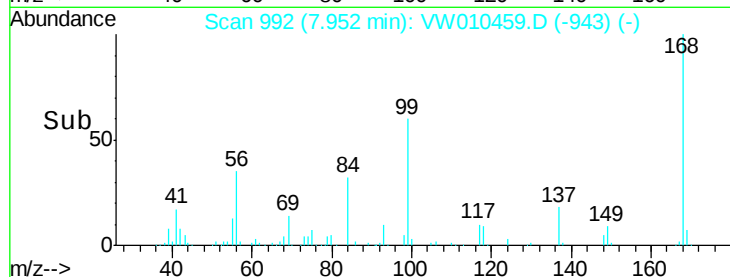
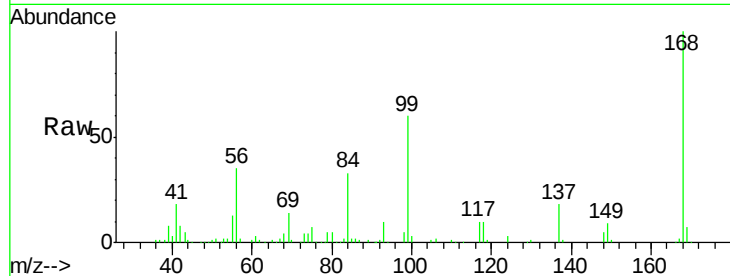
#31  
Cyclohexane  
Concen: 18.686 ug/l  
RT: 7.95 min Scan# 992  
Delta R.T. -0.00 min  
Lab File: VW010459.D  
Acq: 20 May 2019 20:59

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0520SBS01

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 56      | 100  |       | 46260 |       |       |
| 69      | 40.4 | 28.2  | 42.2  |       |       |
| 84      | 92.7 | 75.8  | 113.8 |       |       |

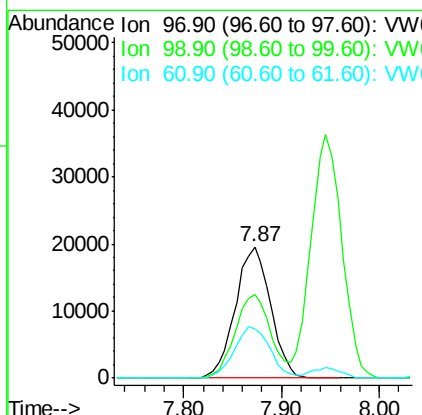
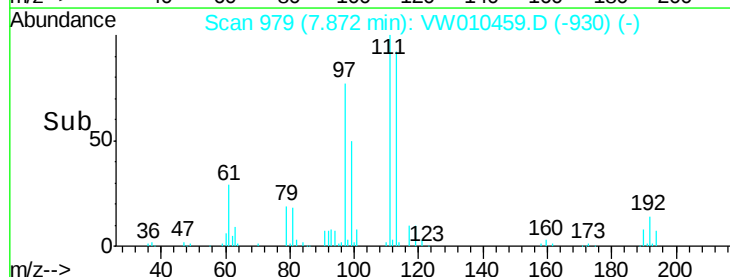
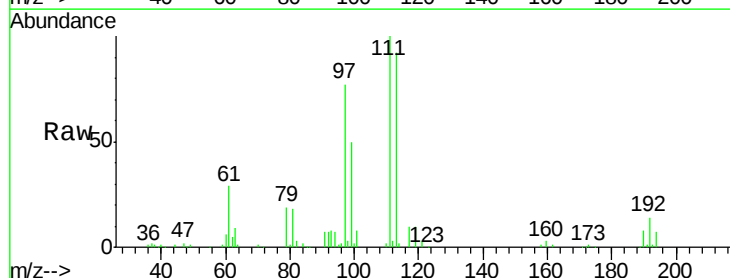
Manual Integrations  
APPROVED

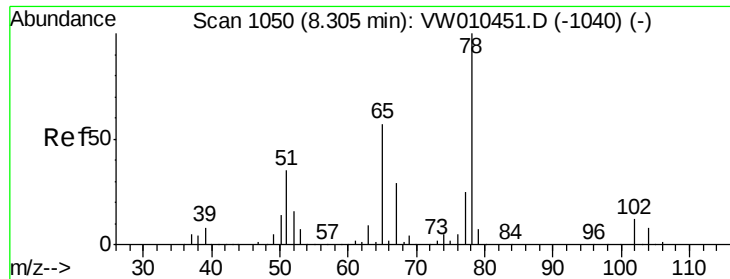
MMDadoda  
5/21/2019 11:29:11 AM



#32  
1,1,1-Trichloroethane  
Concen: 19.981 ug/l  
RT: 7.87 min Scan# 979  
Delta R.T. -0.00 min  
Lab File: VW010459.D  
Acq: 20 May 2019 20:59

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 97      | 100  |       | 48682 |       |       |
| 99      | 65.3 | 50.8  | 76.2  |       |       |
| 61      | 39.6 | 32.1  | 48.1  |       |       |





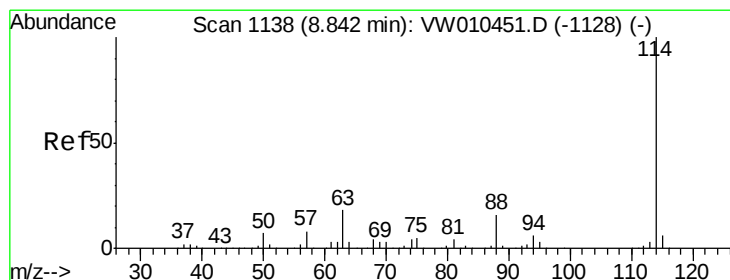
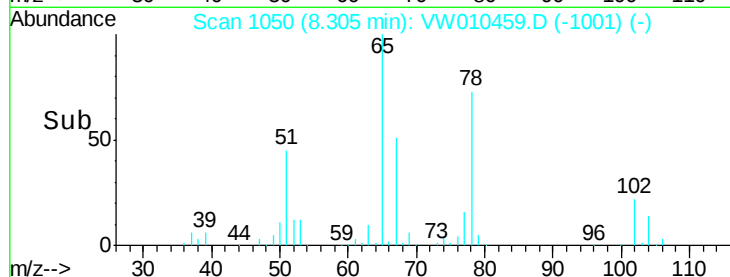
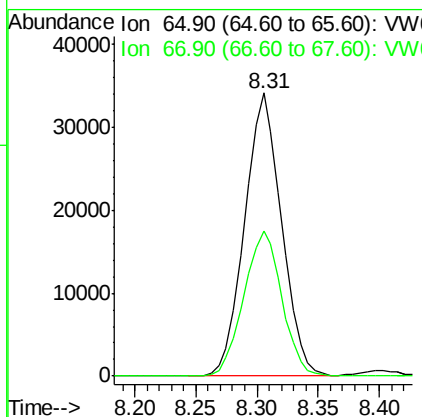
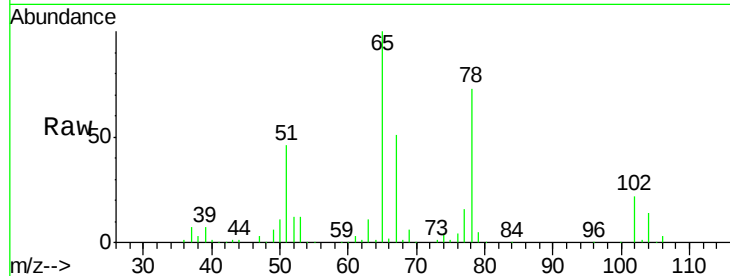
#33  
 1,2-Dichloroethane-d4  
 Concen: 54.965 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. -0.00 min  
 Lab File: VW010459.D  
 Acq: 20 May 2019 20:59

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0520SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 52.7  | 0.0   | 103.6 |

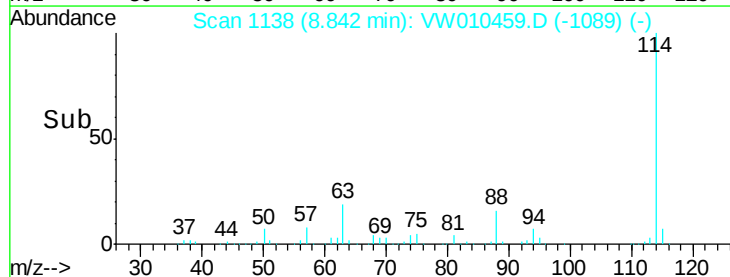
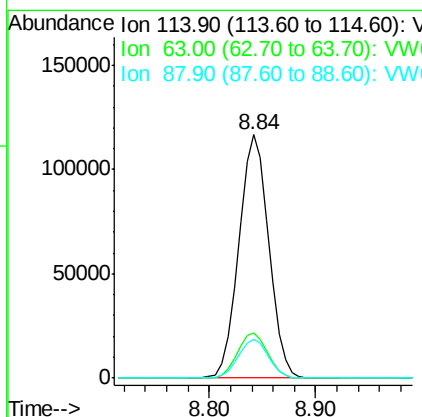
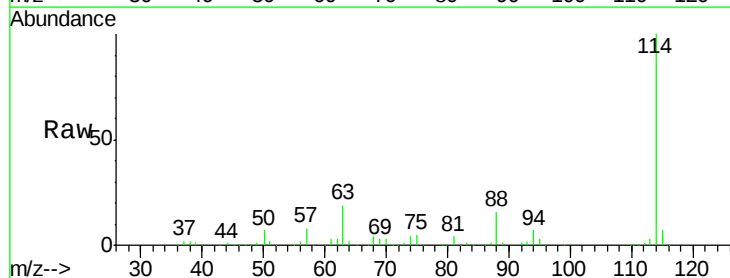
Manual Integrations  
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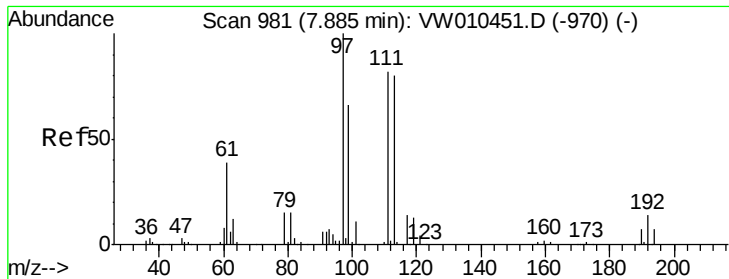
MMDadoda  
 5/21/2019 11:29:11 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW010459.D  
 Acq: 20 May 2019 20:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 18.7  | 0.0   | 36.0  |
| 88      | 16.1  | 0.0   | 32.0  |





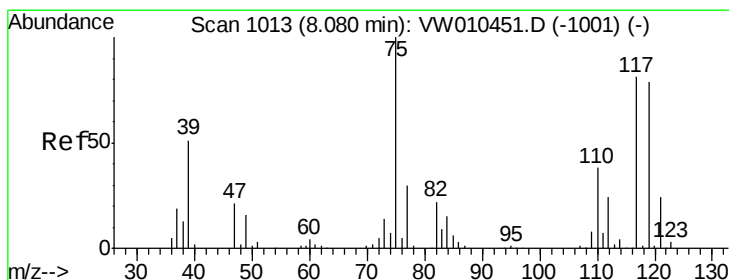
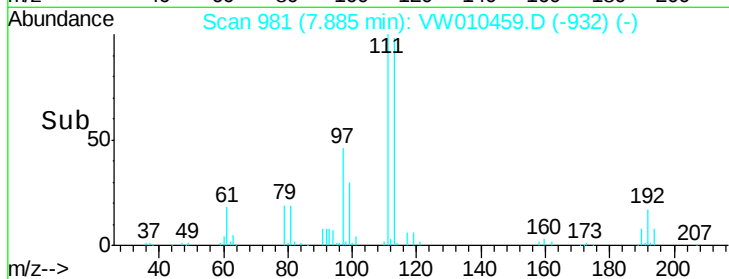
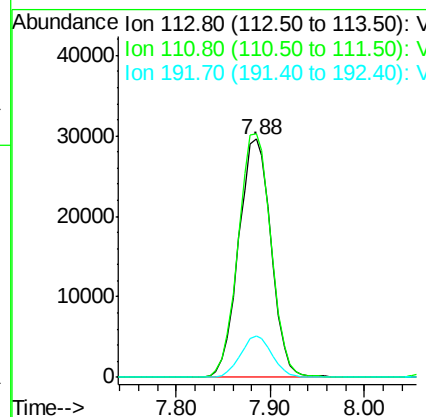
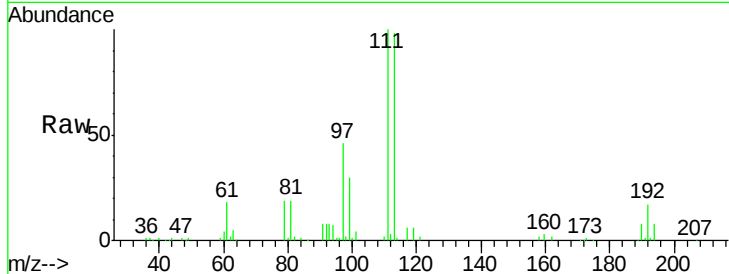
#35  
Dibromofluoromethane  
Concen: 50.905 ug/l  
RT: 7.88 min Scan# 981  
Delta R.T. -0.00 min  
Lab File: VW010459.D  
Acq: 20 May 2019 20:59

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0520SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.4 | 82.2  | 123.4 |
| 192     | 16.9  | 14.3  | 21.5  |

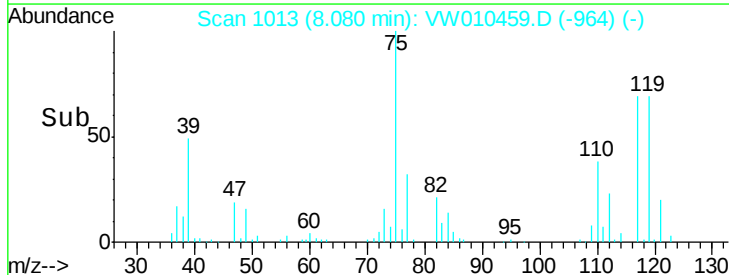
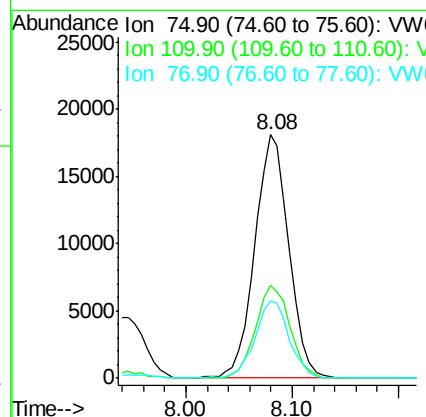
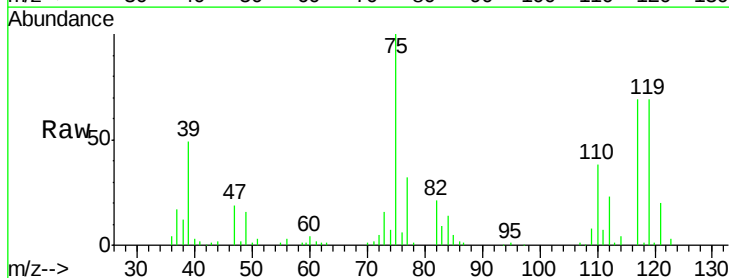
Manual Integrations  
APPROVED

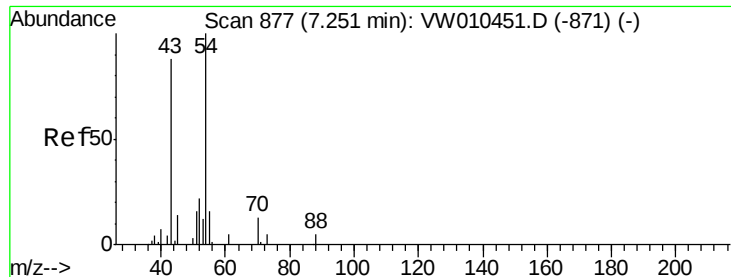
MMDadoda  
5/21/2019 11:29:11 AM



#36  
1,1-Dichloropropene  
Concen: 18.828 ug/l  
RT: 8.08 min Scan# 1013  
Delta R.T. -0.00 min  
Lab File: VW010459.D  
Acq: 20 May 2019 20:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 38.4  | 19.2  | 57.6  |
| 77      | 31.9  | 25.2  | 37.8  |





#37

Ethyl Acetate

Concen: 20.254 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA\_W

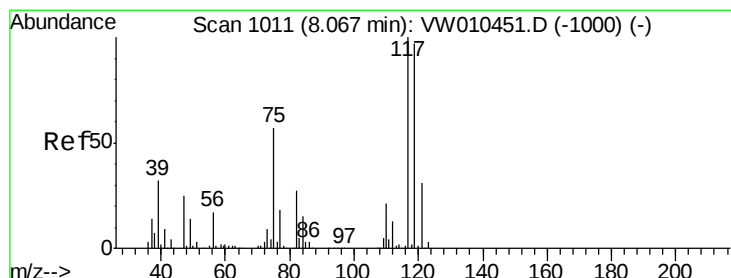
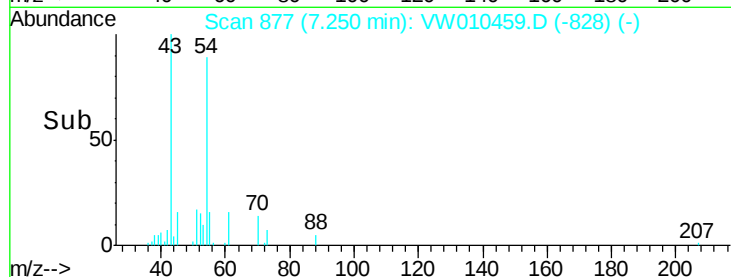
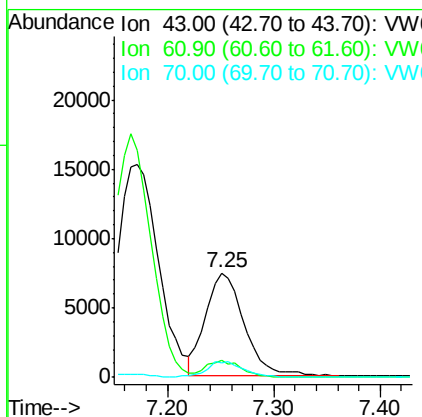
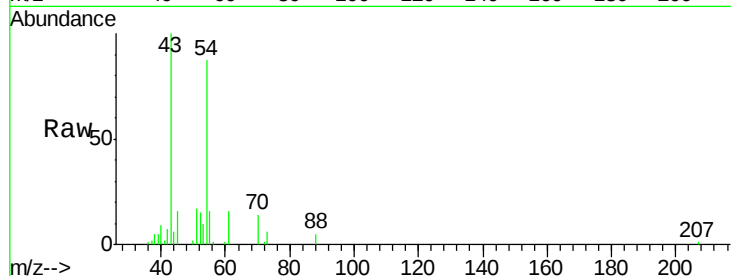
ClientSampleId :

VW0520SBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 18493 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 15.2  | 11.2  | 16.8  |
| 70       | 14.5  | 9.9   | 14.9  |

Manual Integrations  
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5/21/2019 11:29:11 AM



#38

Carbon Tetrachloride

Concen: 18.685 ug/l

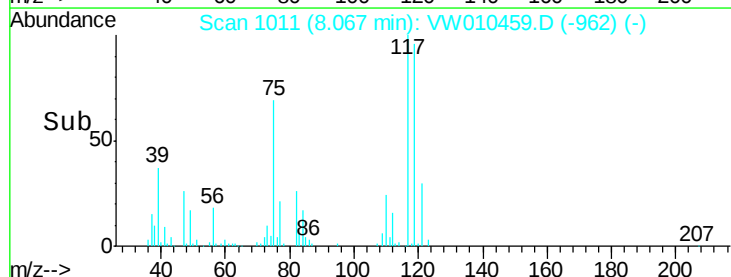
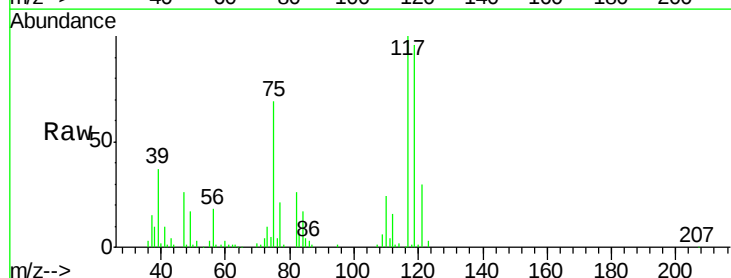
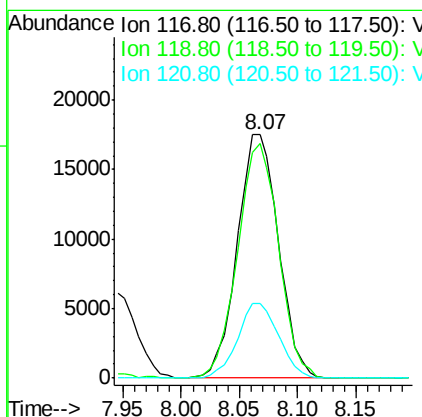
RT: 8.07 min Scan# 1011

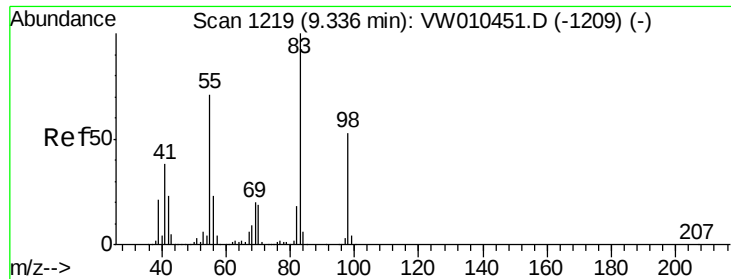
Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 43278 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 96.2  | 77.4  | 116.0 |
| 121      | 30.5  | 25.0  | 37.6  |





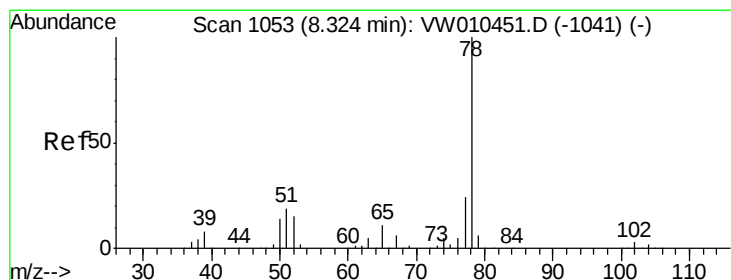
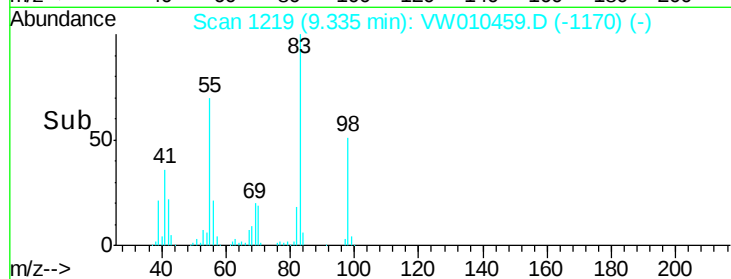
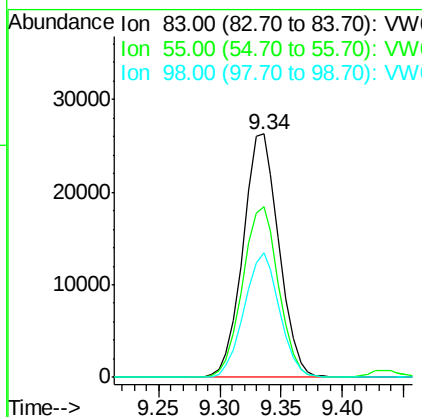
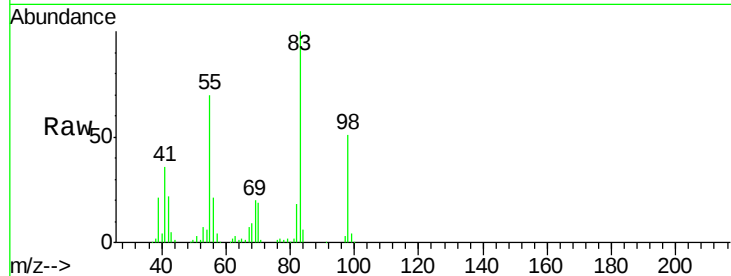
#39  
Methvlcvclohexane  
Concen: 18.652 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. -0.00 min  
Lab File: VW010459.D  
Acq: 20 May 2019 20:59

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0520SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 70.3  | 57.0  | 85.6  |
| 98      | 51.4  | 42.0  | 63.0  |

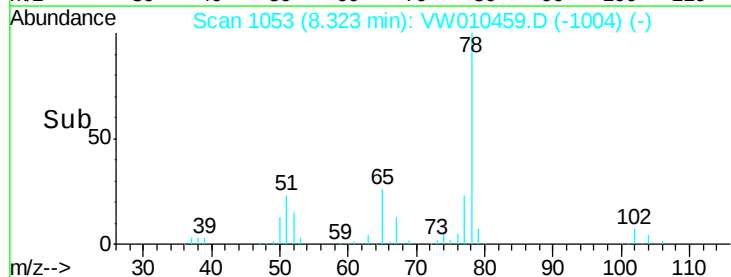
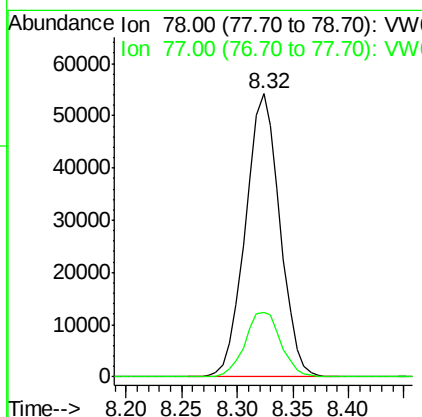
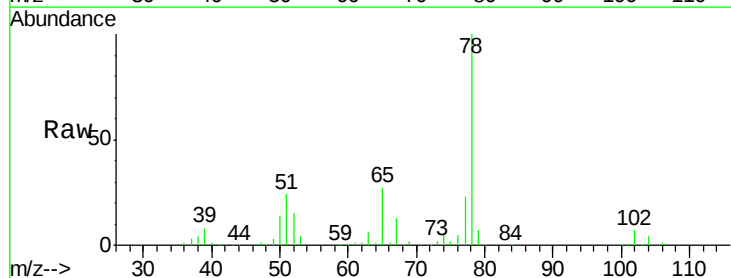
Manual Integrations  
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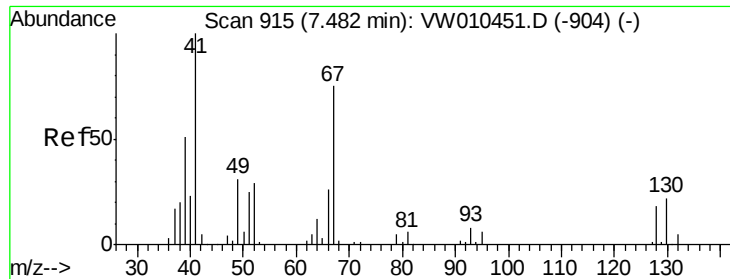
MMDadoda  
5/21/2019 11:29:11 AM



#40  
Benzene  
Concen: 19.538 ug/l  
RT: 8.32 min Scan# 1053  
Delta R.T. -0.00 min  
Lab File: VW010459.D  
Acq: 20 May 2019 20:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 22.7  | 18.9  | 28.3  |





#41

Methacrylonitrile

Concen: 19.611 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA\_W

ClientSampleId :

VW0520SBS01

Tot Ion: 41 Resp: 10639

Ion Ratio Lower Upper

41 100

39 62.7 47.4 71.2

67 83.0 65.5 98.3

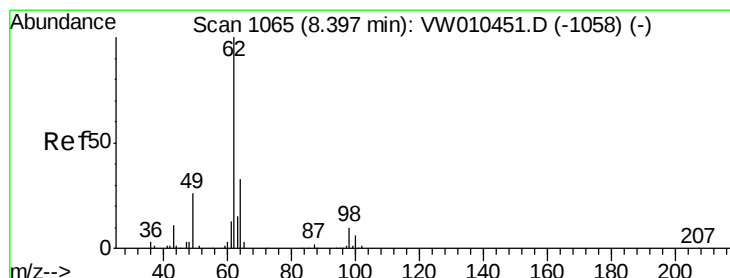
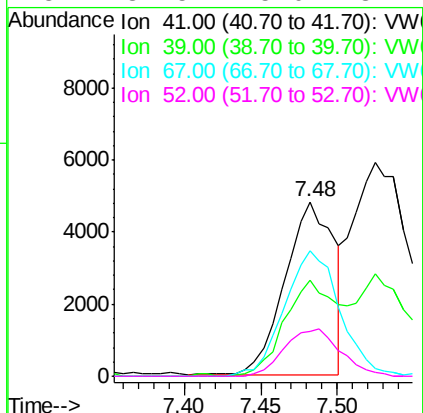
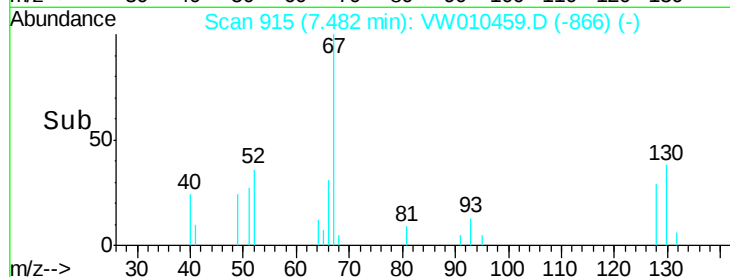
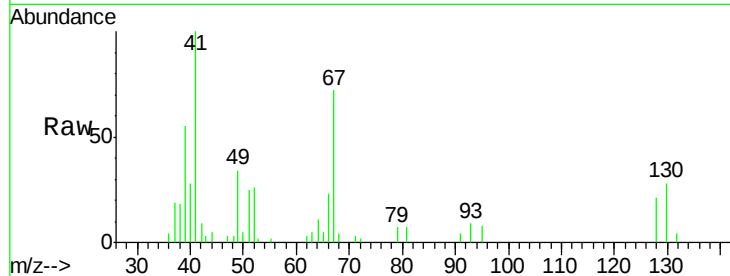
52 31.5 25.0 37.4

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#42

1,2-Dichloroethane

Concen: 20.572 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW010459.D

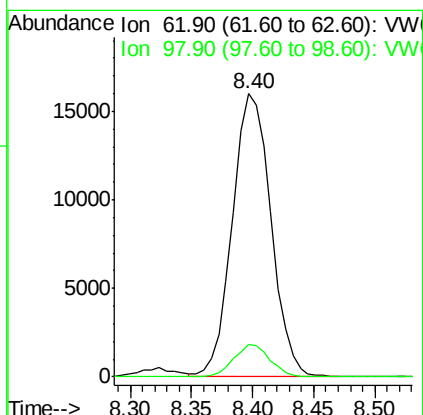
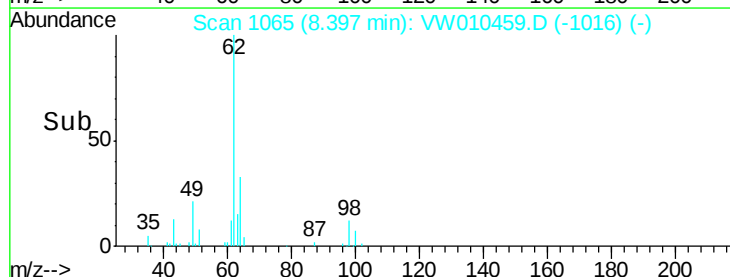
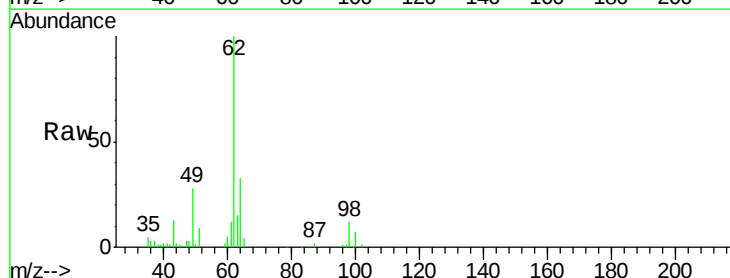
Acq: 20 May 2019 20:59

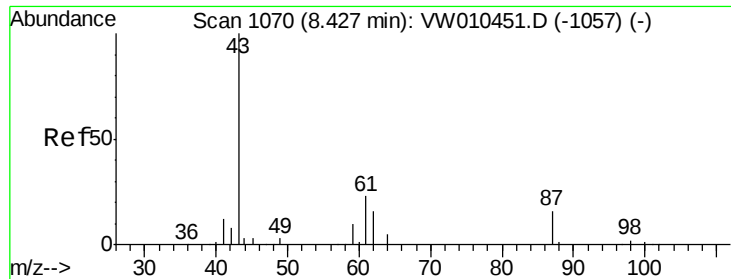
Tgt Ion: 62 Resp: 35088

Ion Ratio Lower Upper

62 100

98 10.7 0.0 21.0





#43

Isopropyl Acetate

Concen: 20.824 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA\_W

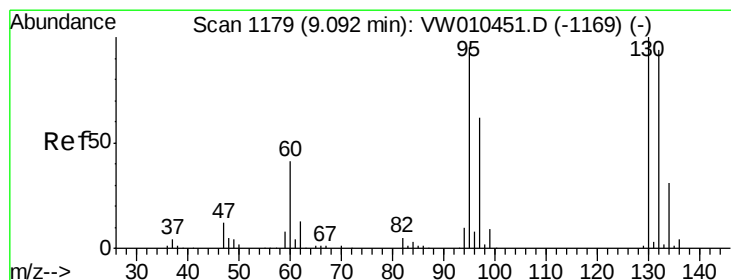
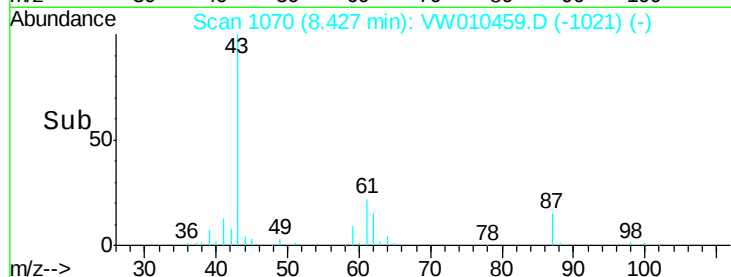
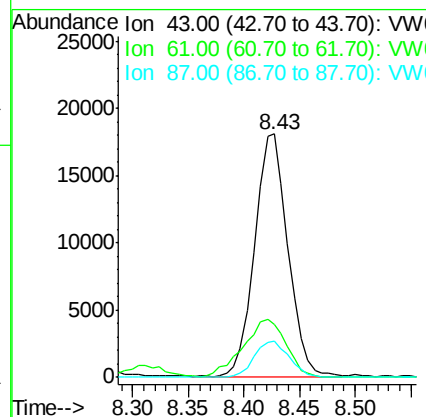
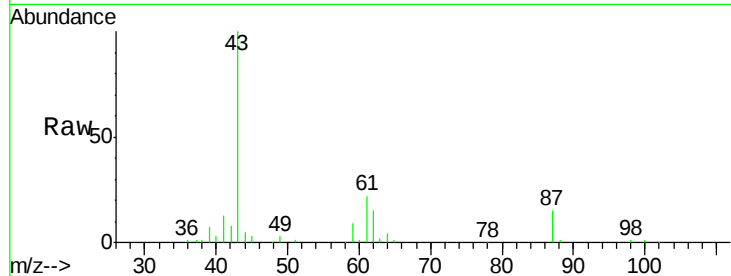
ClientSampleId :

VW0520SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 37984 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 30.8  | 25.4  | 38.2  |
| 87       | 15.3  | 12.7  | 19.1  |

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#44

Trichloroethene

Concen: 18.965 ug/l

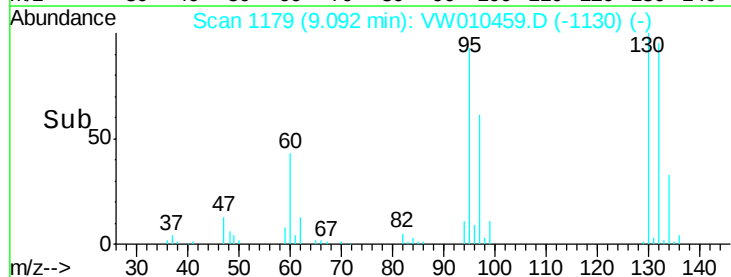
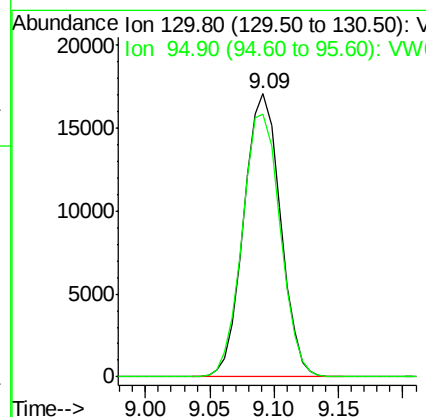
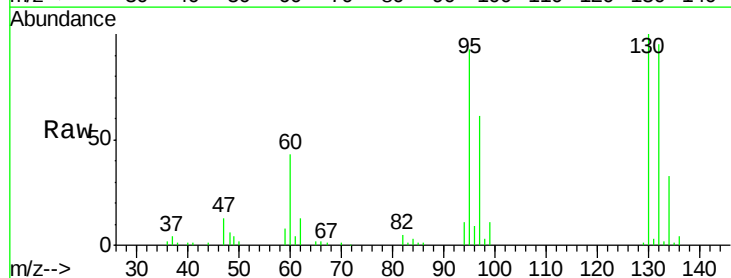
RT: 9.09 min Scan# 1179

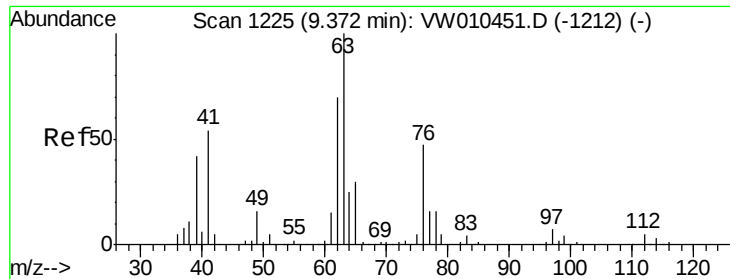
Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 33600 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 92.7  | 0.0   | 189.6 |





#45

1,2-Dichloropropane

Concen: 19.856 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA\_W

ClientSampleId :

VW0520SBS01

Tot Ion: 63 Resp: 28142

Ion Ratio Lower Upper

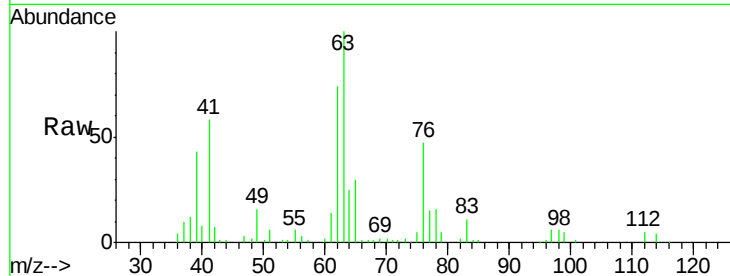
63 100

65 30.4 24.3 36.5

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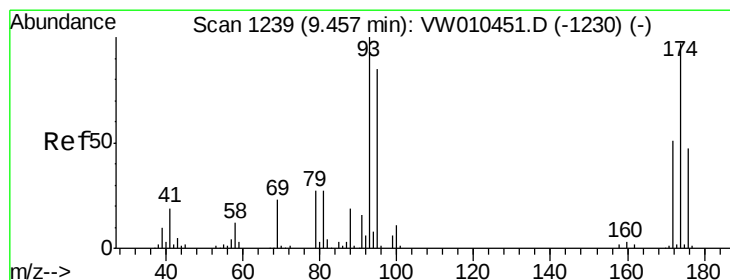
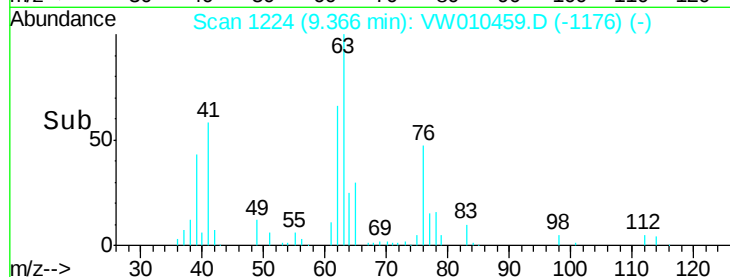
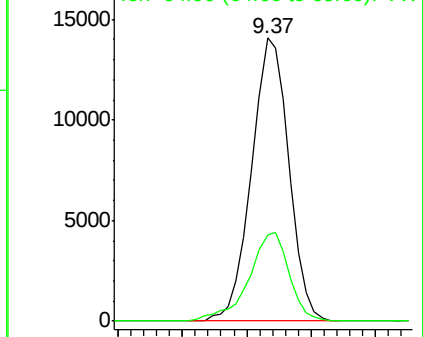
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 20.751 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

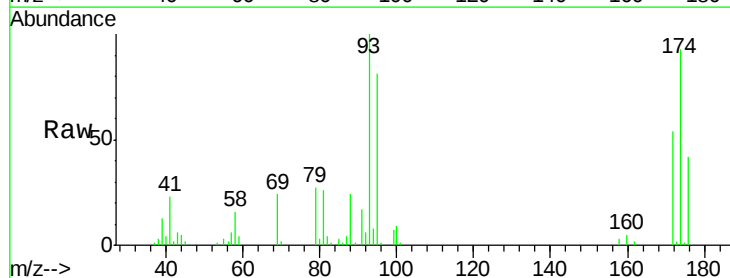
Tgt Ion: 93 Resp: 17200

Ion Ratio Lower Upper

93 100

95 83.9 66.1 99.1

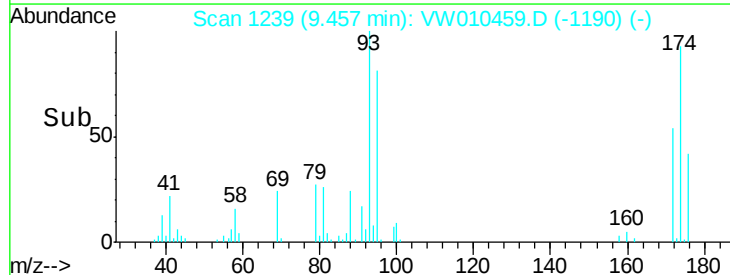
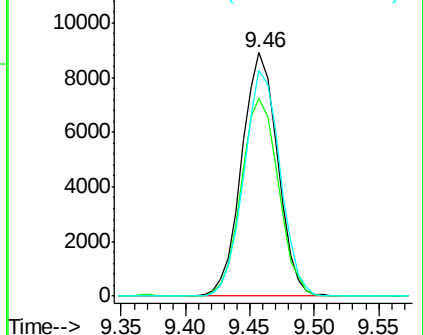
174 93.2 77.1 115.7

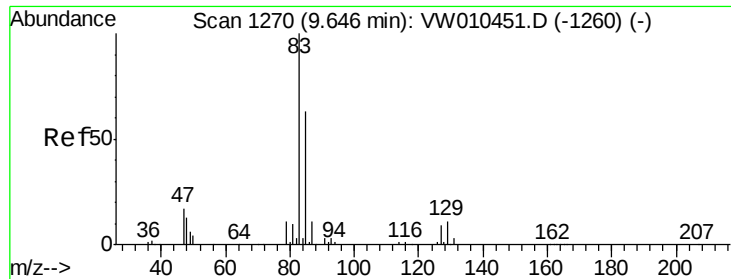


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





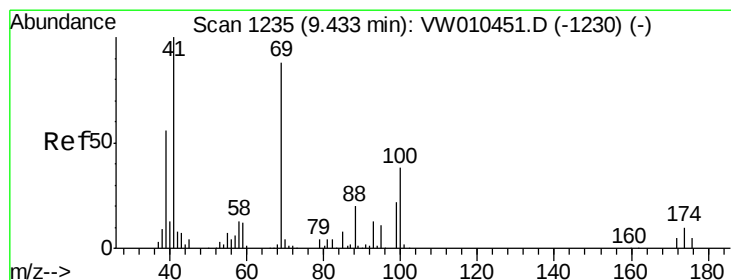
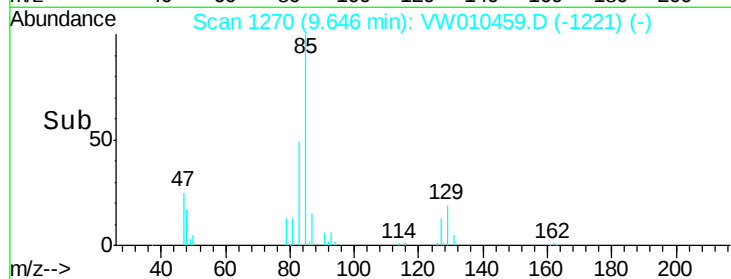
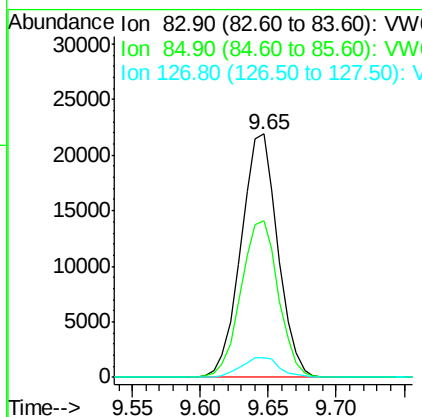
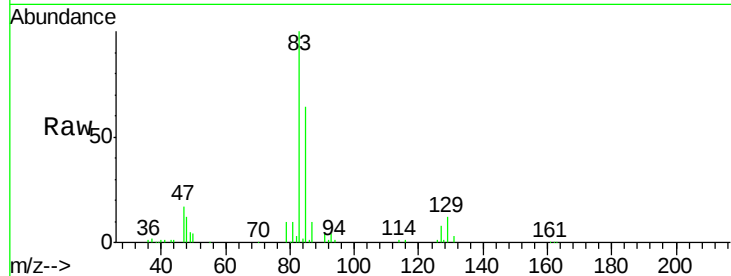
#47  
Bromodichloromethane  
Concen: 19.940 ug/l  
RT: 9.65 min Scan# 1270  
Delta R.T. -0.00 min  
Lab File: VW010459.D  
Acq: 20 May 2019 20:59

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0520SBS01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 83      | 100   | 41535 |       |       |
| 85      | 64.2  |       | 50.4  | 75.6  |
| 127     | 8.3   |       | 7.4   | 11.0  |

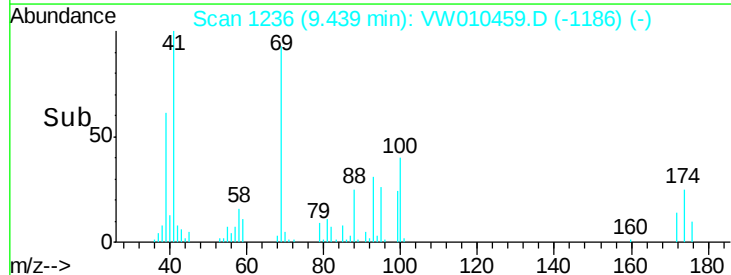
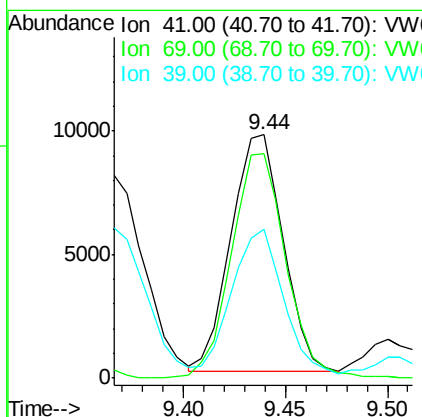
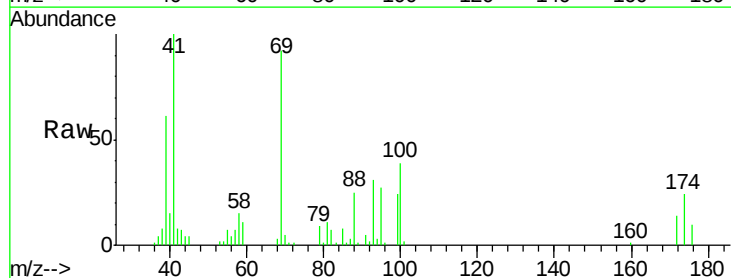
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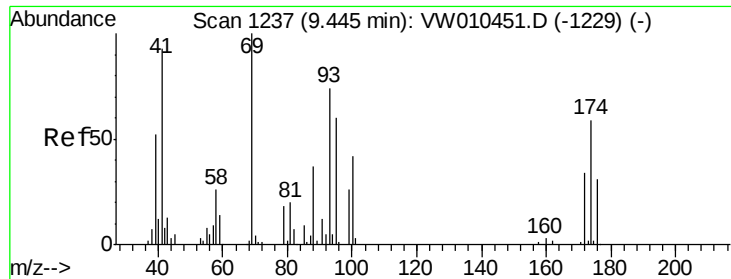
MMDadoda  
5/21/2019 11:29:11 AM



#48  
Methyl methacrylate  
Concen: 20.314 ug/l  
RT: 9.44 min Scan# 1236  
Delta R.T. 0.01 min  
Lab File: VW010459.D  
Acq: 20 May 2019 20:59

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 41      | 100   | 16952 |       |       |
| 69      | 99.8  |       | 77.6  | 116.4 |
| 39      | 64.5  |       | 49.8  | 74.8  |





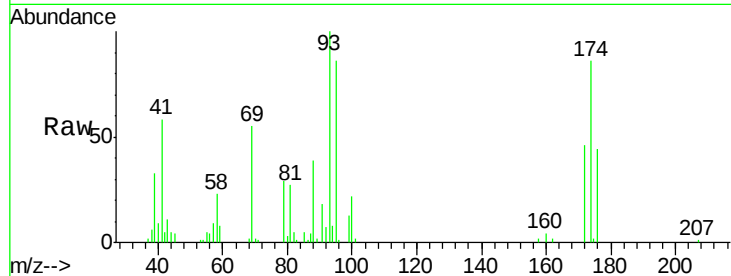
#49  
1,4-Dioxane  
Concen: 433.592 ug/l  
RT: 9.45 min Scan# 1238  
Delta R.T. 0.01 min  
Lab File: VW010459.D  
Acq: 20 May 2019 20:59

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0520SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 26.6  | 25.9  | 38.9  |
| 58      | 65.7  | 52.7  | 79.1  |

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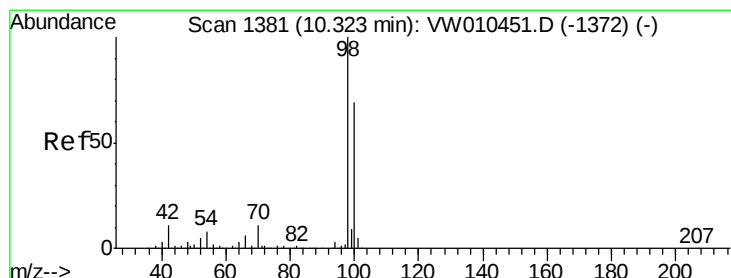
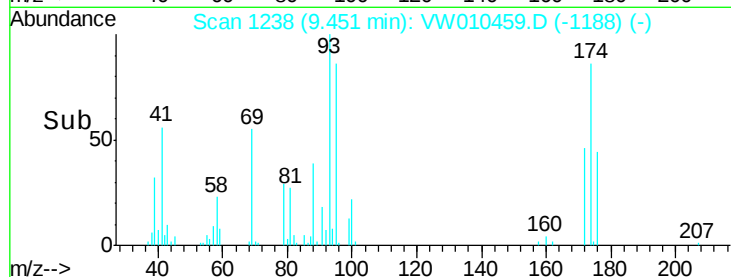
Abundance

Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

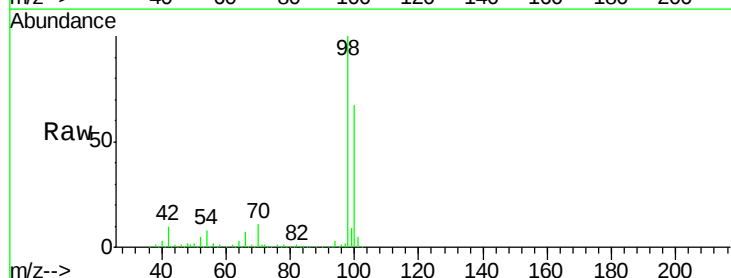
Ion 58.00 (57.70 to 58.70): VW

Time-->



#50  
Toluene-d8  
Concen: 50.624 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. -0.00 min  
Lab File: VW010459.D  
Acq: 20 May 2019 20:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 67.1  | 53.7  | 80.5  |

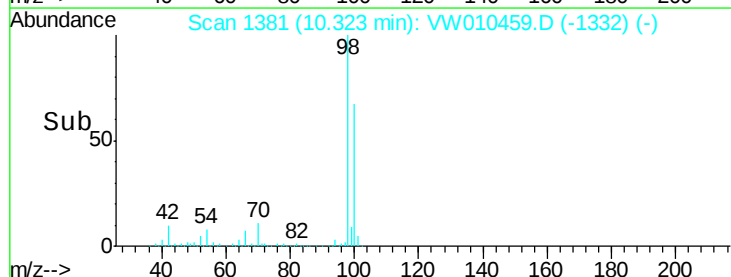


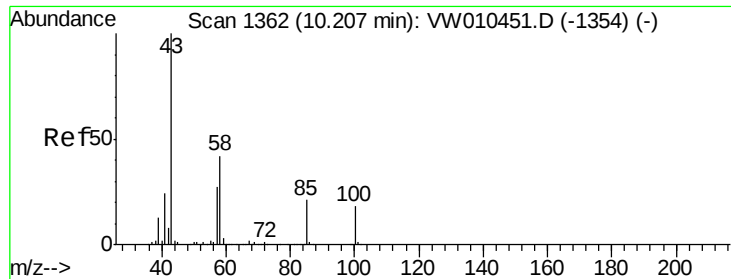
Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

Time-->





#51

4-Methyl-2-Pentanone

Concen: 105.404 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA\_W

ClientSampleId :

VW0520SBS01

Tot Ion: 43 Resp: 97425

Ion Ratio Lower Upper

43 100

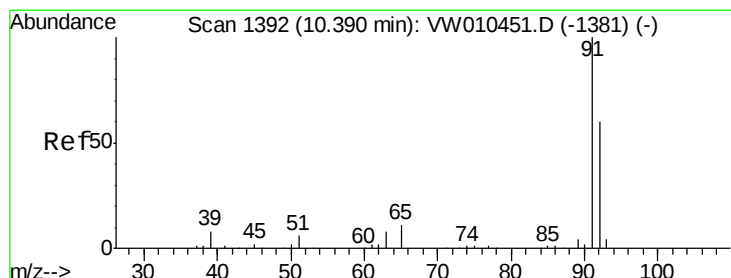
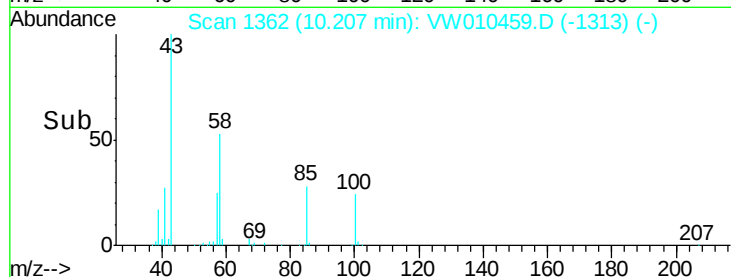
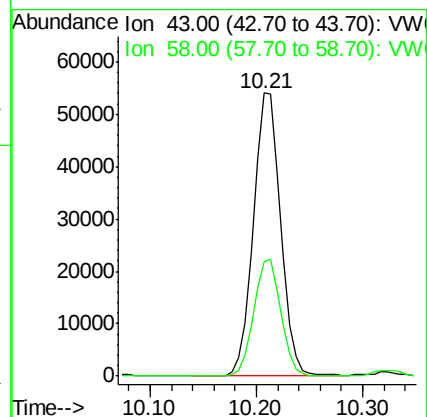
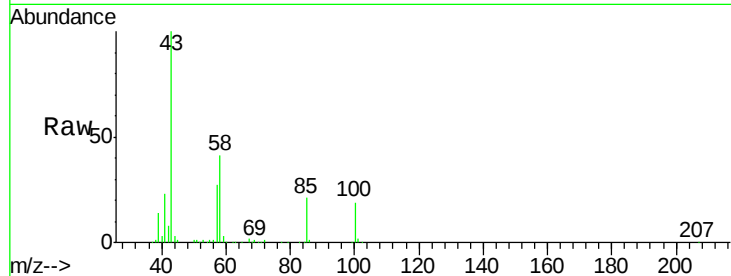
58 41.1 33.2 49.8

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#52

Toluene

Concen: 19.485 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010459.D

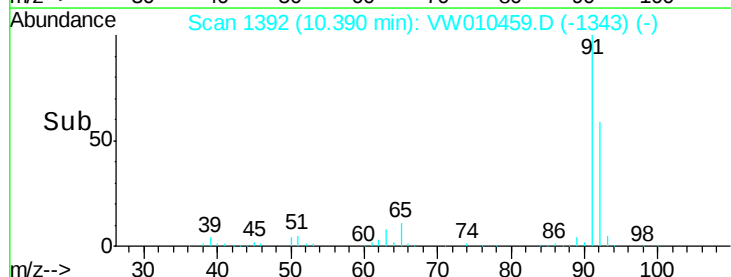
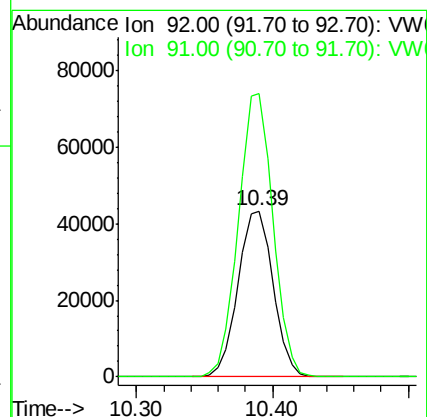
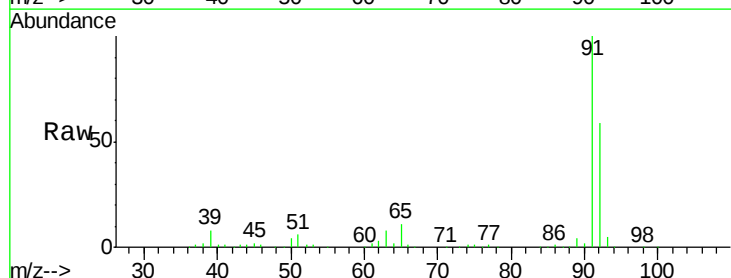
Acq: 20 May 2019 20:59

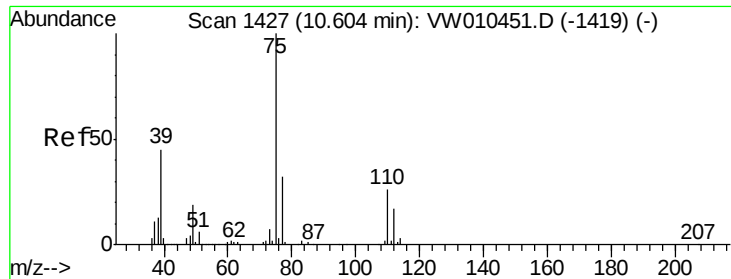
Tgt Ion: 92 Resp: 78092

Ion Ratio Lower Upper

92 100

91 168.5 135.4 203.0





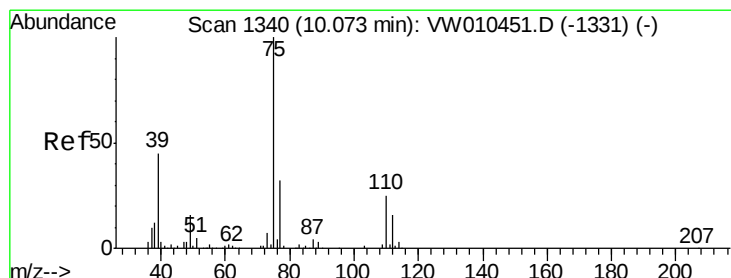
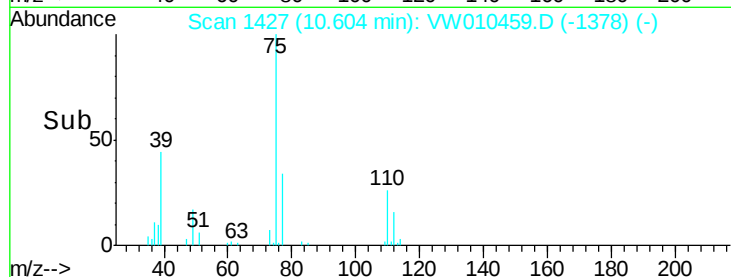
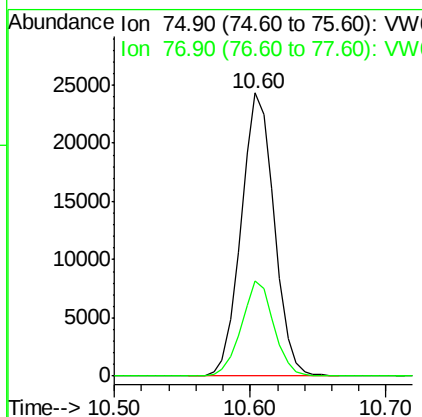
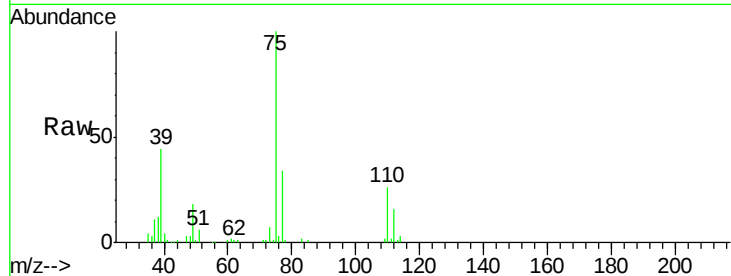
#53  
t-1,3-Dichloropropene  
Concen: 19.533 ug/l  
RT: 10.60 min Scan# 1427  
Delta R.T. -0.00 min  
Lab File: VW010459.D  
Acq: 20 May 2019 20:59

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0520SBS01

Tot Ion: 75 Resp: 41206  
Ion Ratio Lower Upper  
75 100  
77 33.6 25.4 38.0

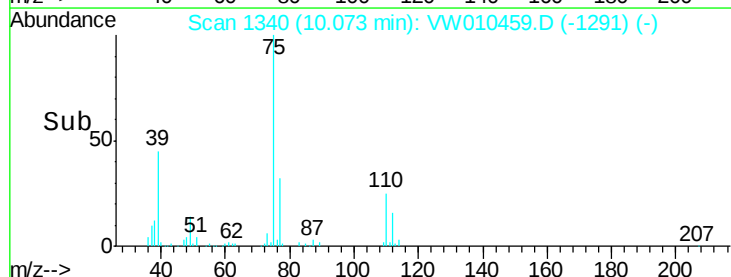
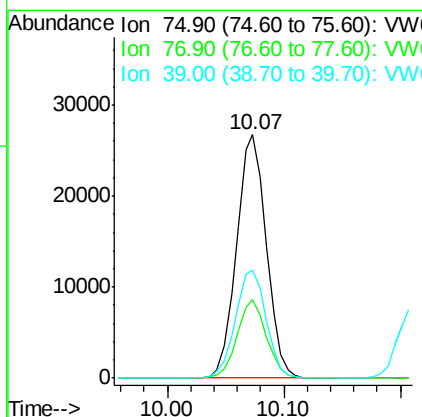
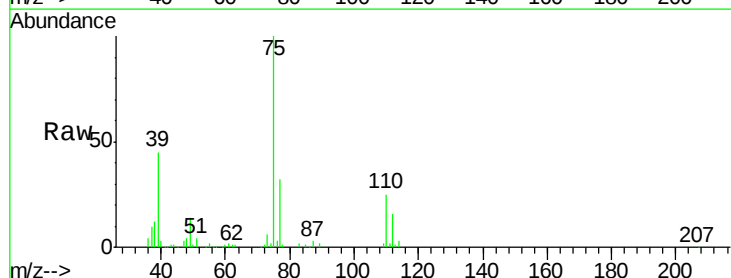
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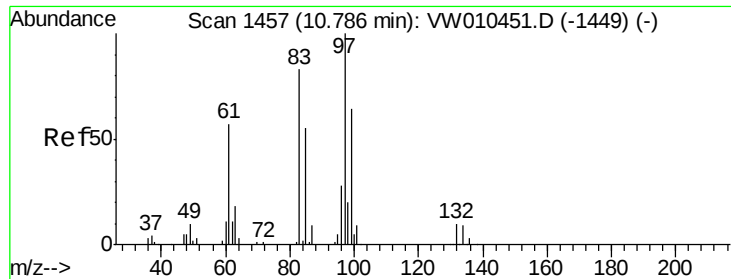
MMDadoda  
5/21/2019 11:29:11 AM



#54  
cis-1,3-Dichloropropene  
Concen: 19.718 ug/l  
RT: 10.07 min Scan# 1340  
Delta R.T. -0.00 min  
Lab File: VW010459.D  
Acq: 20 May 2019 20:59

Tgt Ion: 75 Resp: 47507  
Ion Ratio Lower Upper  
75 100  
77 32.1 25.7 38.5  
39 44.5 36.2 54.4





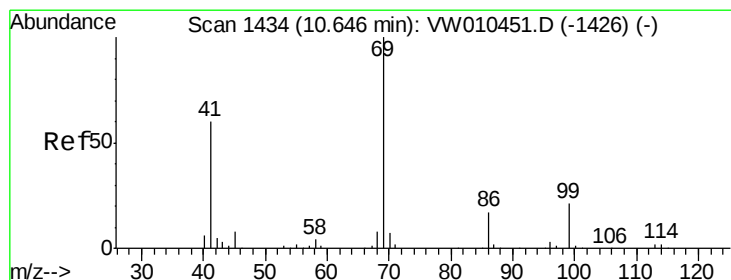
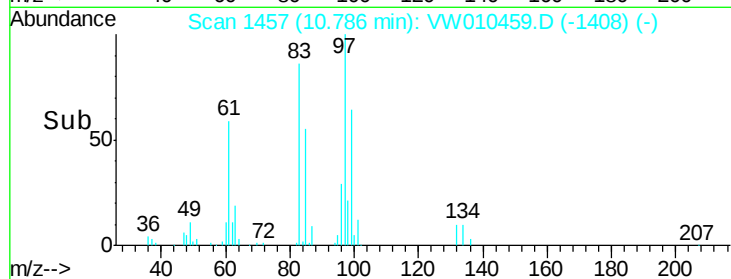
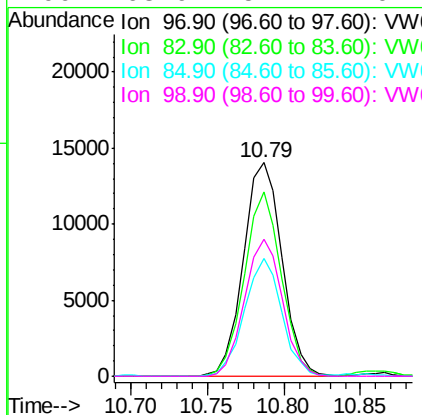
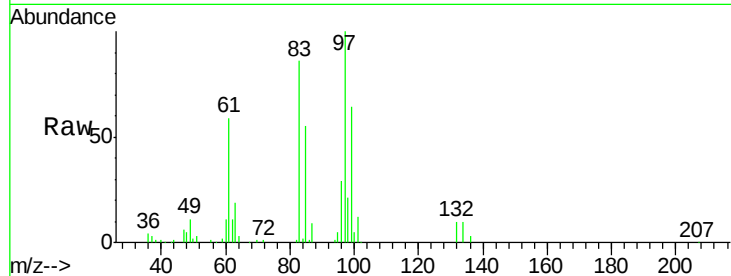
#55  
 1,1,2-Trichloroethane  
 Concen: 20.702 ug/l  
 RT: 10.79 min Scan# 1457  
 Delta R.T. -0.00 min  
 Lab File: VW010459.D  
 Acq: 20 May 2019 20:59

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0520SBS01

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 97      | 100  |       | 24676 |       |       |
| 83      | 86.0 | 66.1  |       | 99.1  |       |
| 85      | 55.2 | 44.2  |       | 66.4  |       |
| 99      | 63.9 | 51.1  |       | 76.7  |       |

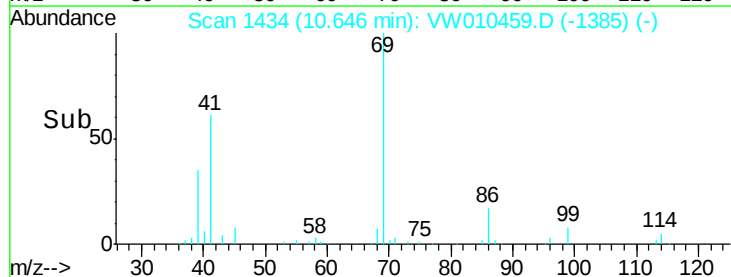
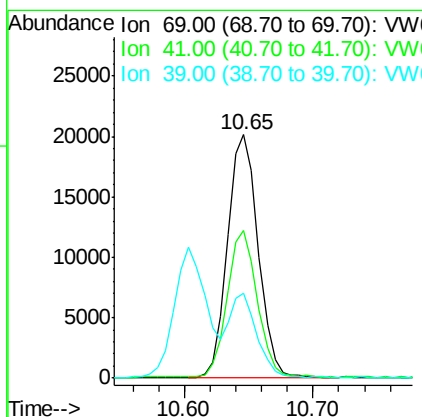
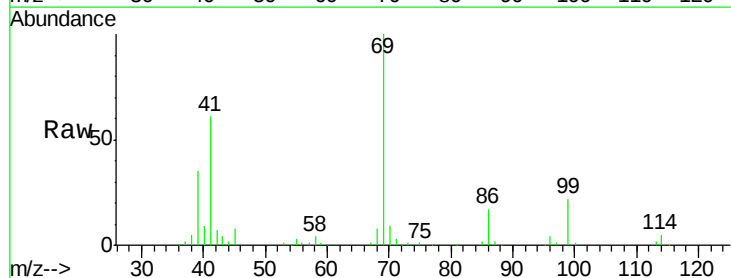
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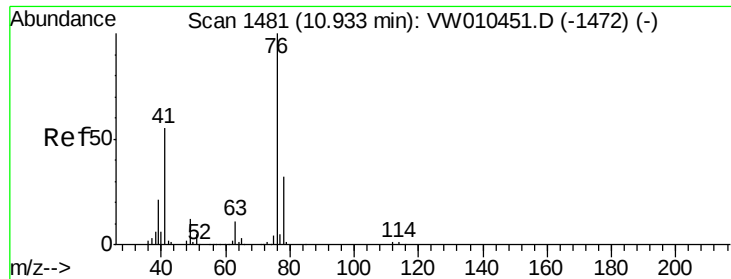
MMDadoda  
 5/21/2019 11:29:11 AM



#56  
 Ethyl methacrylate  
 Concen: 20.406 ug/l  
 RT: 10.65 min Scan# 1434  
 Delta R.T. -0.00 min  
 Lab File: VW010459.D  
 Acq: 20 May 2019 20:59

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 69      | 100  |       | 33545 |       |       |
| 41      | 59.6 | 47.7  |       | 71.5  |       |
| 39      | 31.0 | 25.3  |       | 37.9  |       |





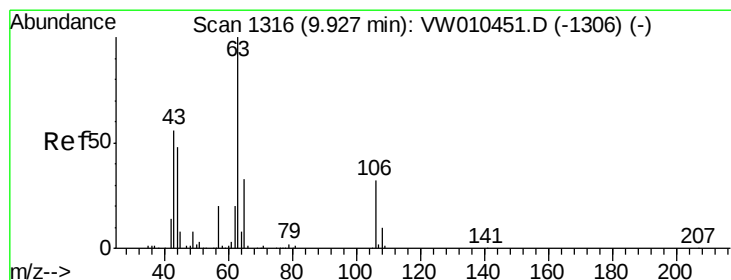
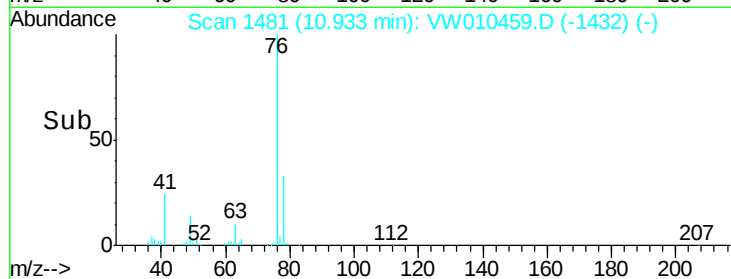
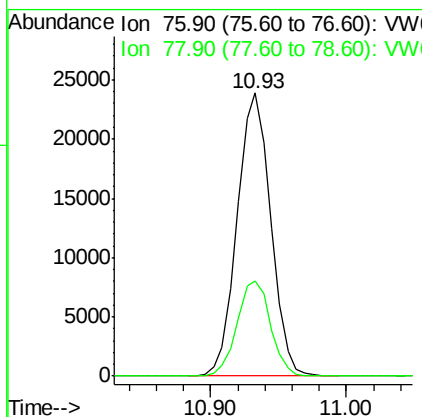
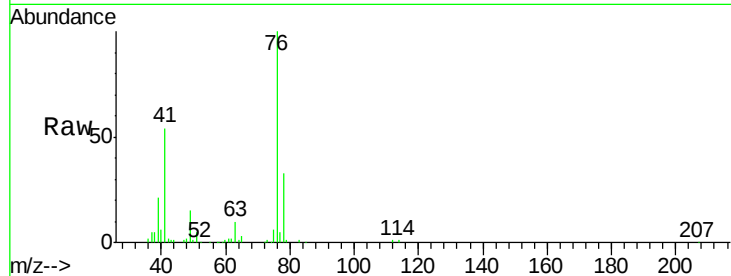
#57  
 1,3-Dichloropropane  
 Concen: 20.616 ug/l  
 RT: 10.93 min Scan# 1481  
 Delta R.T. -0.00 min  
 Lab File: VW010459.D  
 Acq: 20 May 2019 20:59

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0520SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 33.4  | 26.2  | 39.2  |

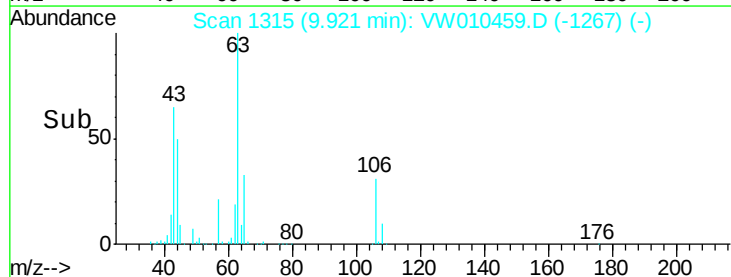
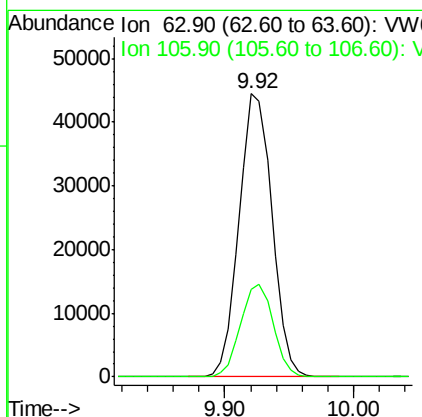
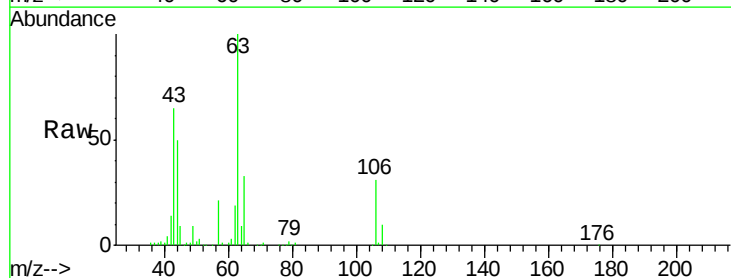
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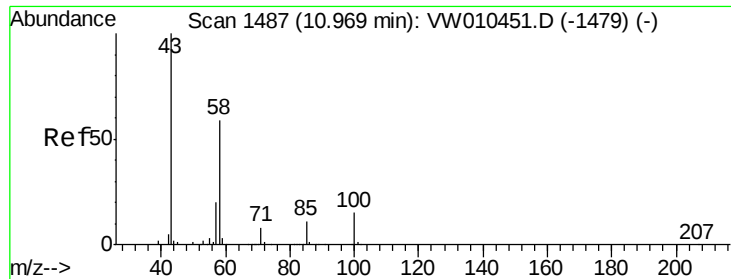
MMDadoda  
 5/21/2019 11:29:11 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 108.179 ug/l  
 RT: 9.92 min Scan# 1315  
 Delta R.T. -0.01 min  
 Lab File: VW010459.D  
 Acq: 20 May 2019 20:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 32.4  | 25.8  | 38.6  |





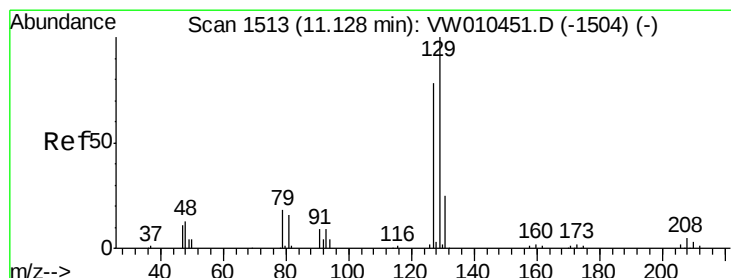
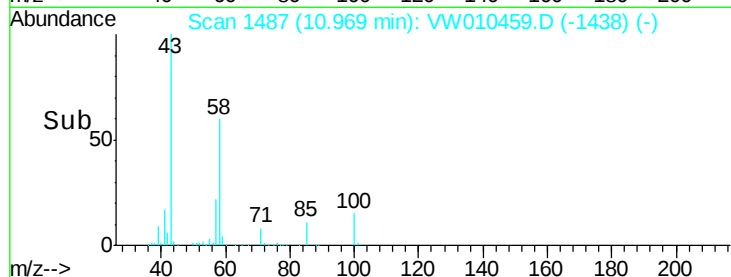
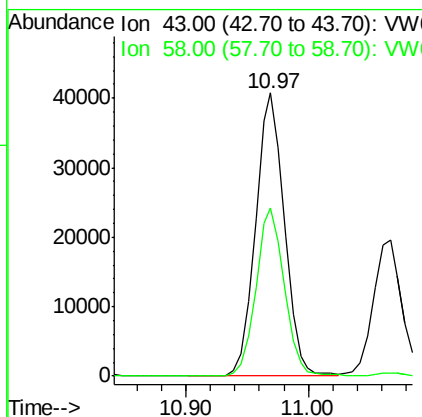
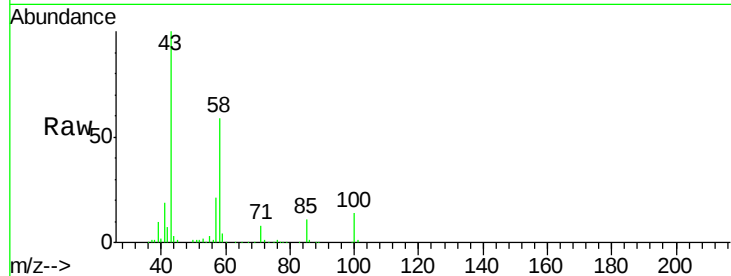
#59  
2-Hexanone  
Concen: 100.946 ug/l  
RT: 10.97 min Scan# 1487  
Delta R.T. -0.00 min  
Lab File: VW010459.D  
Acq: 20 May 2019 20:59

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0520SBS01

Tot Ion: 43 Resp: 66559  
Ion Ratio Lower Upper  
43 100  
58 58.6 28.9 86.8

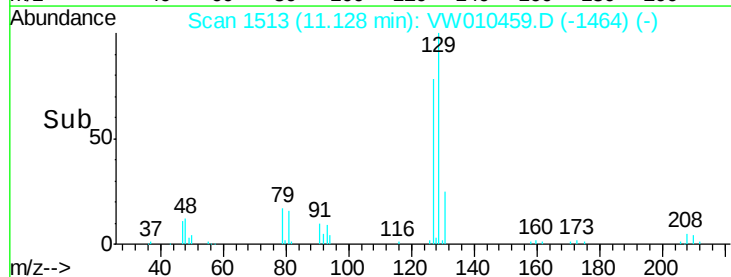
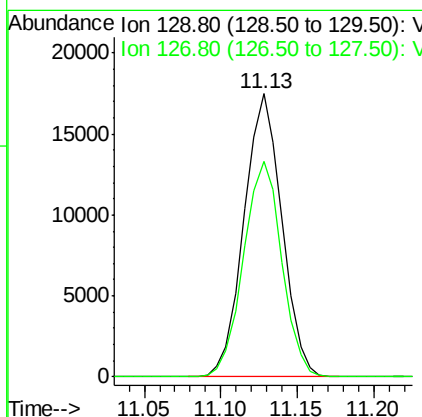
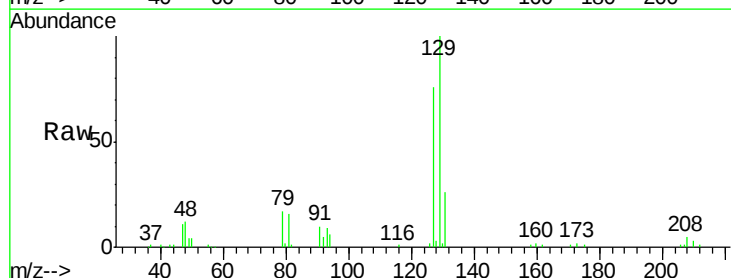
Manual Integrations  
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#60  
Dibromochloromethane  
Concen: 19.942 ug/l  
RT: 11.13 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: VW010459.D  
Acq: 20 May 2019 20:59

Tgt Ion: 129 Resp: 30083  
Ion Ratio Lower Upper  
129 100  
127 76.9 38.9 116.7





#61

1,2-Dibromoethane

Concen: 20.602 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA\_W

ClientSampleId :

VW0520SBSD01

Tot Ion: 107 Resp: 24876

Ion Ratio Lower Upper

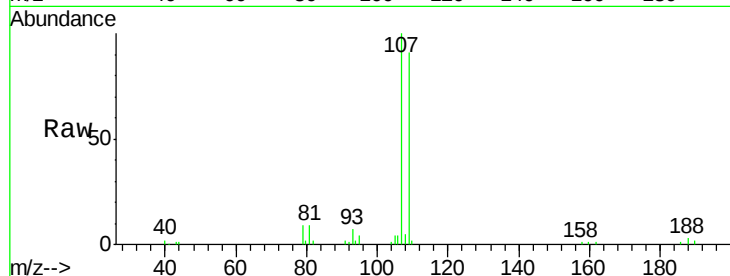
107 100

109 93.7 75.0 112.4

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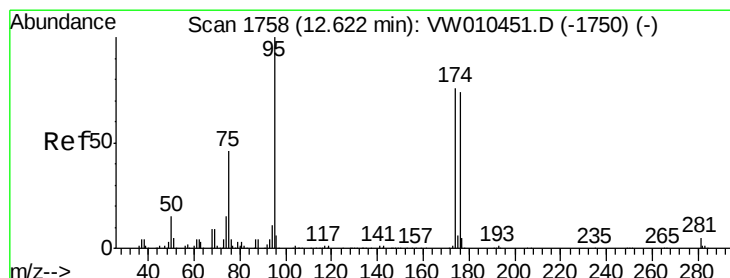
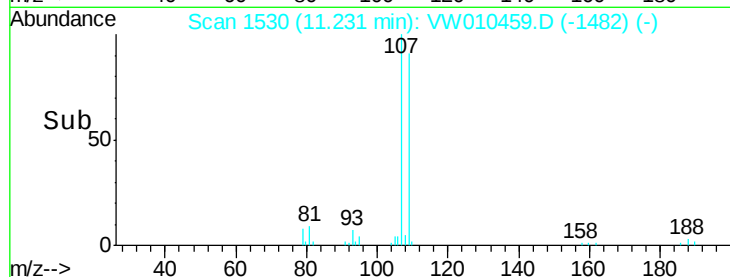
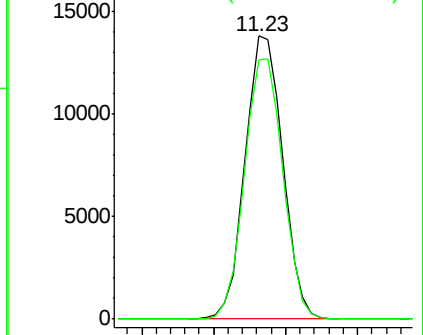
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.185 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

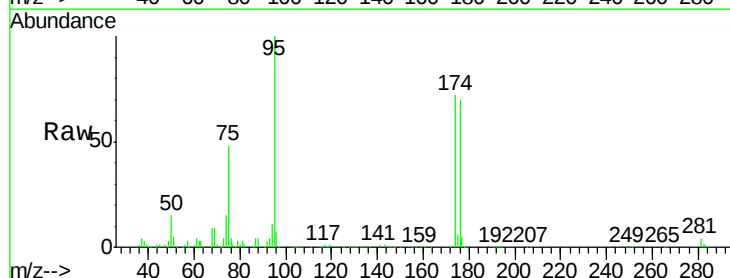
Tgt Ion: 95 Resp: 104671

Ion Ratio Lower Upper

95 100

174 70.0 0.0 148.6

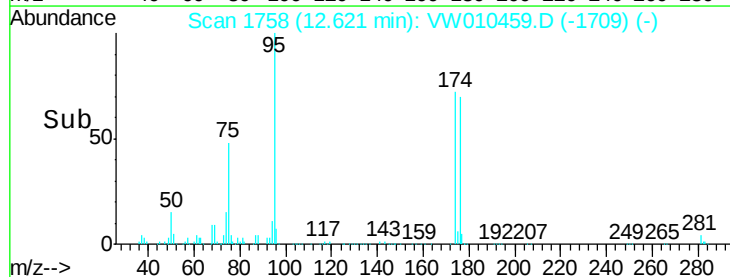
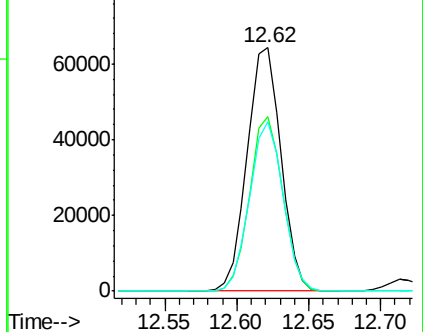
176 68.8 0.0 144.2

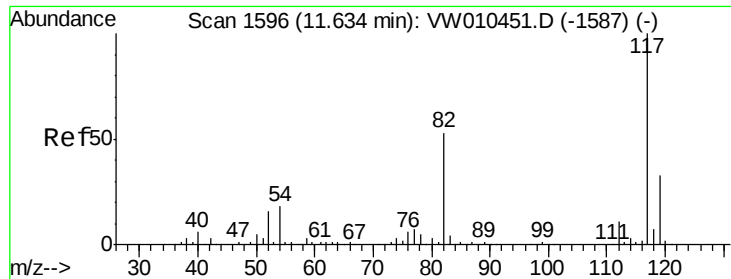


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





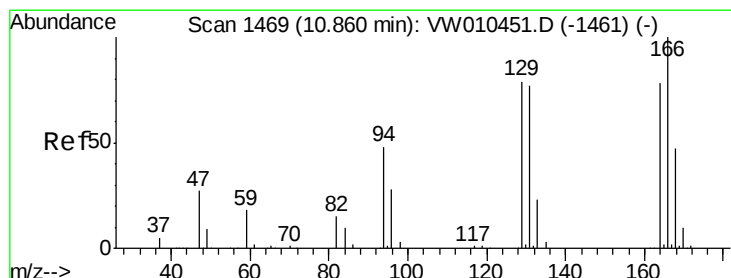
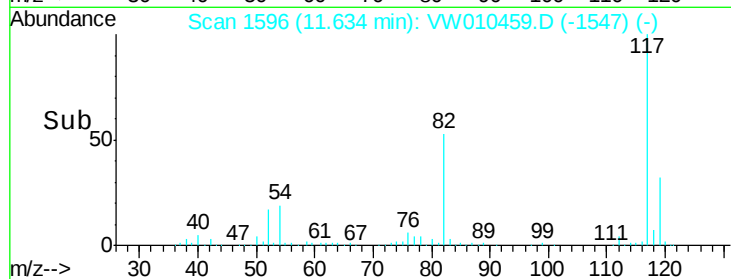
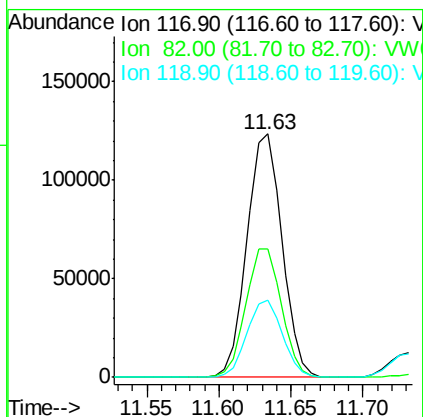
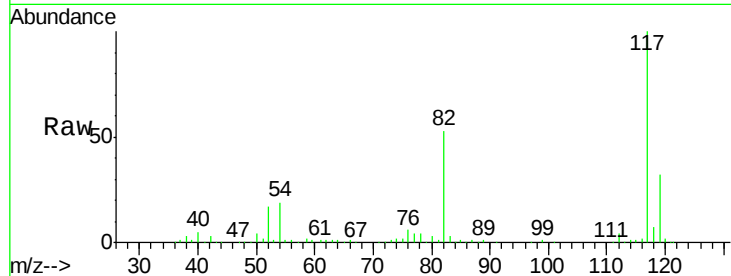
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW010459.D  
Acq: 20 May 2019 20:59

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0520SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.5  | 42.8  | 64.2  |
| 119     | 31.9  | 26.3  | 39.5  |

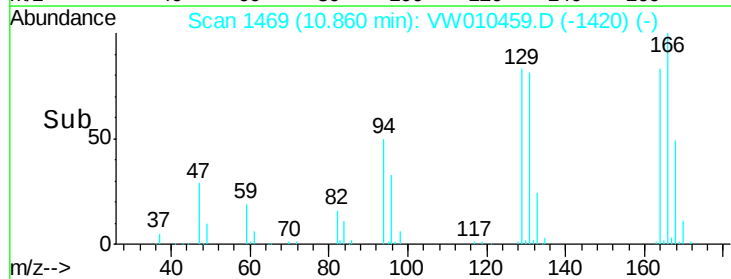
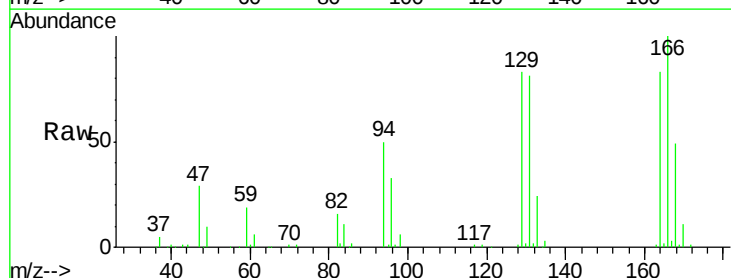
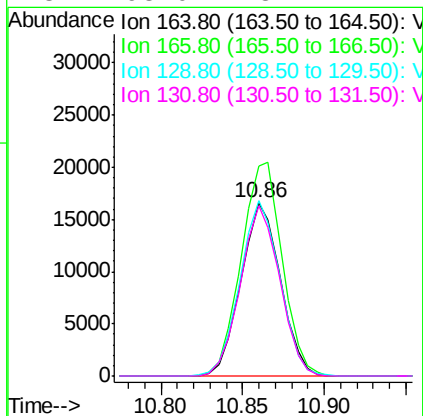
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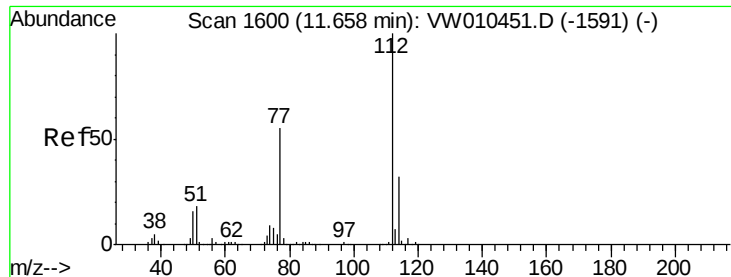
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#64  
Tetrachloroethene  
Concen: 19.327 ug/l  
RT: 10.86 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VW010459.D  
Acq: 20 May 2019 20:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 121.0 | 101.9 | 152.9 |
| 129     | 100.9 | 80.6  | 121.0 |
| 131     | 98.0  | 78.2  | 117.2 |





#65

Chlorobenzene

Concen: 19.447 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA\_W

ClientSampleId :

VW0520SBS01

Tot Ion:112 Resp: 86122

Ion Ratio Lower Upper

112 100

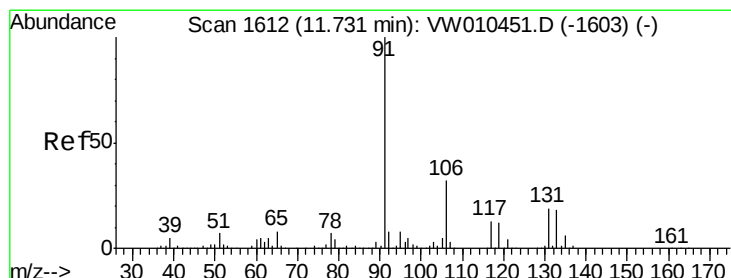
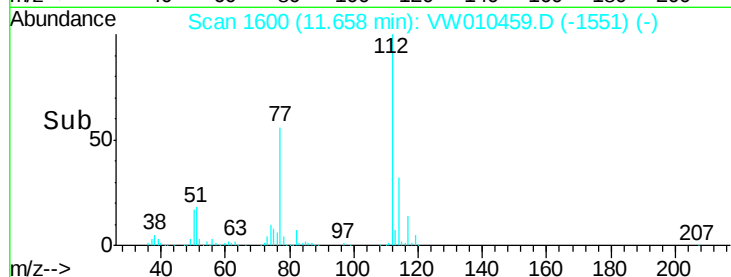
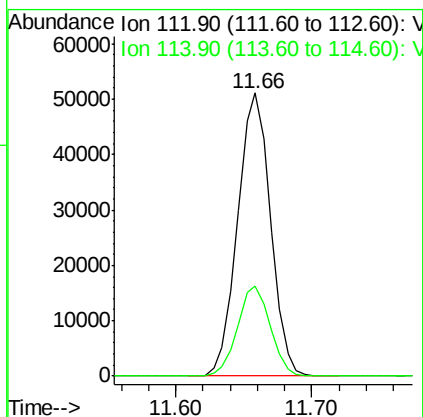
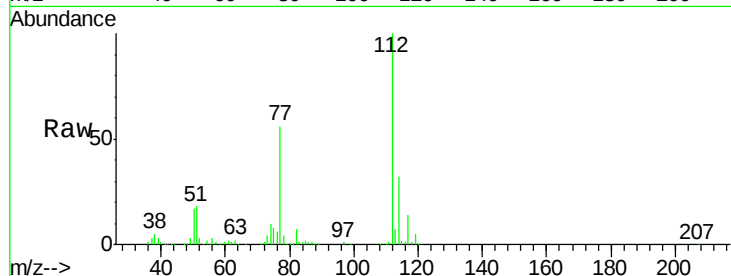
114 31.7 25.3 37.9

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.494 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

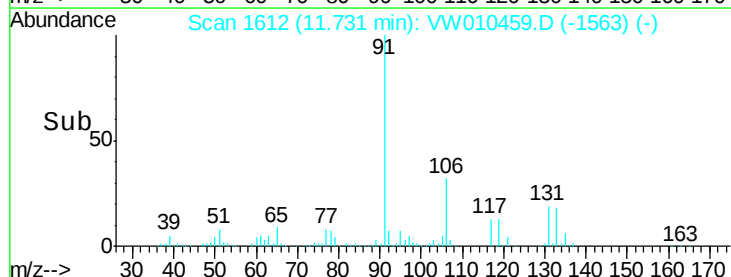
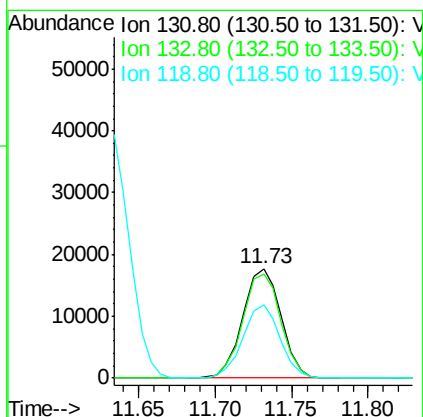
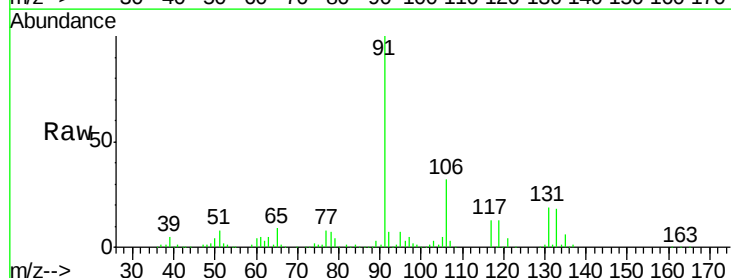
Tgt Ion:131 Resp: 30925

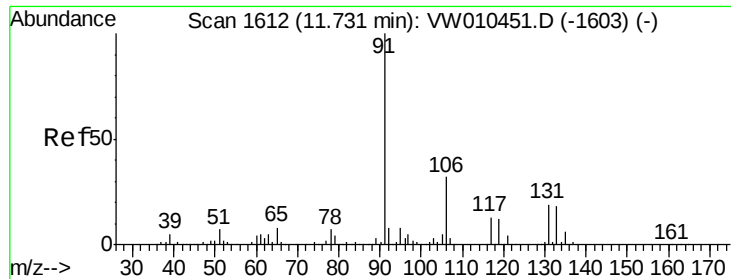
Ion Ratio Lower Upper

131 100

133 94.6 47.3 141.9

119 64.6 32.1 96.5





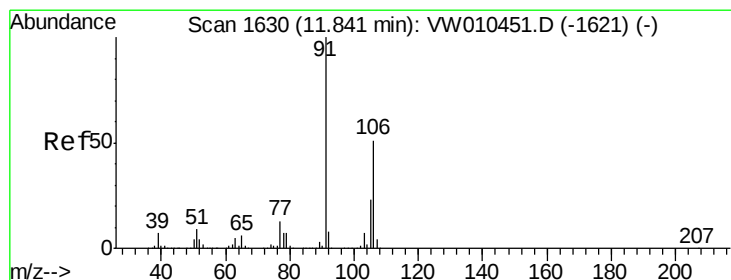
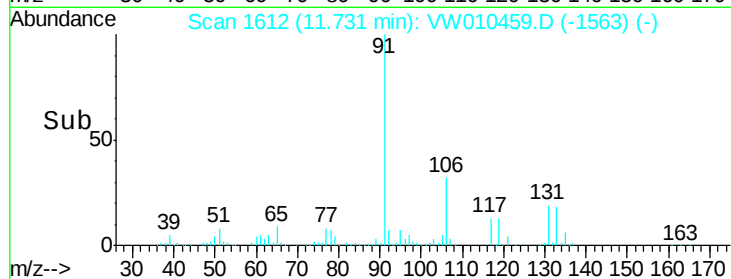
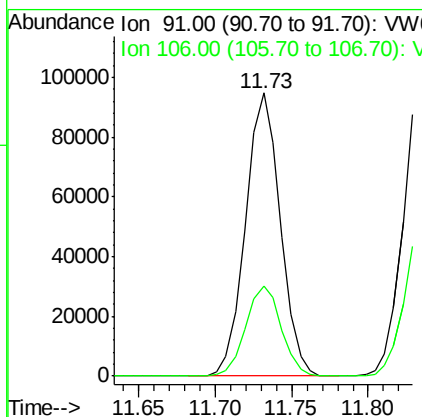
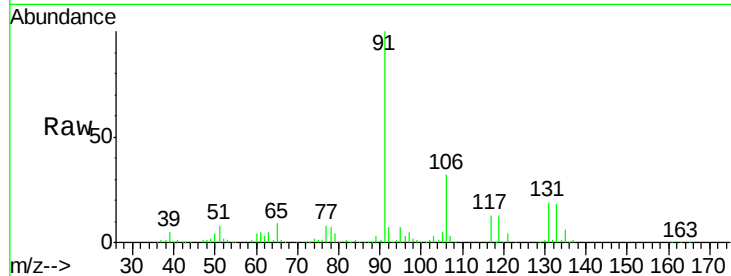
#67  
Ethyl Benzene  
Concen: 19.105 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.00 min  
Lab File: VW010459.D  
Acq: 20 May 2019 20:59

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0520SBS01

Tot Ion: 91 Resp: 149378  
Ion Ratio Lower Upper  
91 100  
106 31.7 25.9 38.9

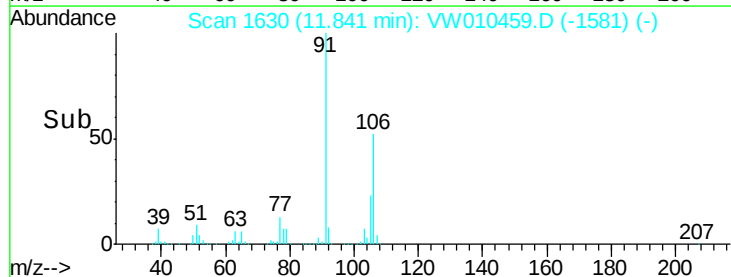
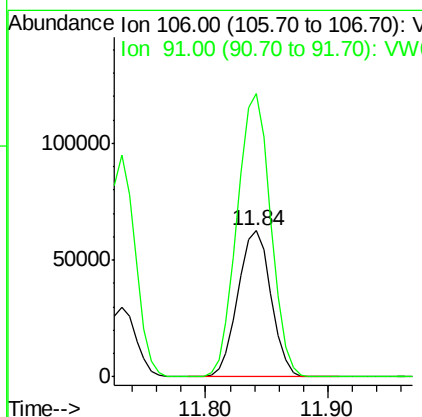
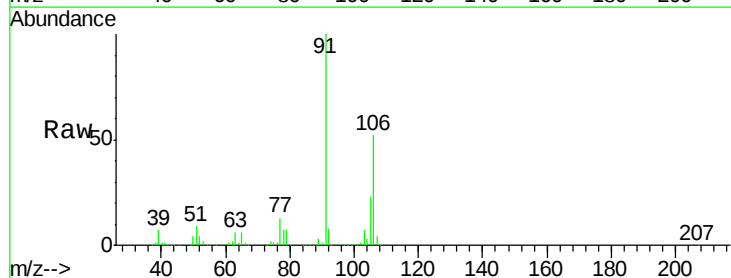
Manual Integrations  
APPROVED

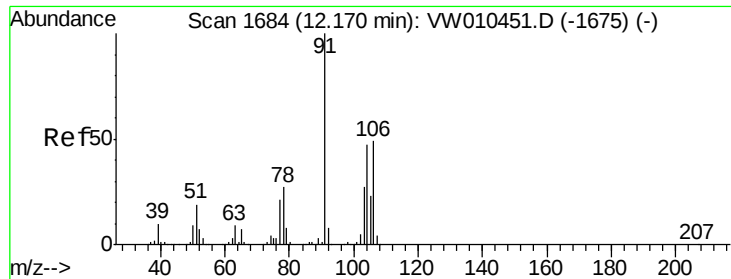
MMDadoda  
5/21/2019 11:29:11 AM



#68  
m/p-Xylenes  
Concen: 38.376 ug/l  
RT: 11.84 min Scan# 1630  
Delta R.T. -0.00 min  
Lab File: VW010459.D  
Acq: 20 May 2019 20:59

Tgt Ion:106 Resp: 117691  
Ion Ratio Lower Upper  
106 100  
91 196.0 156.0 234.0





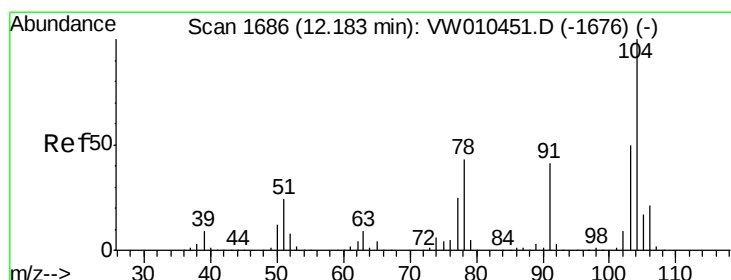
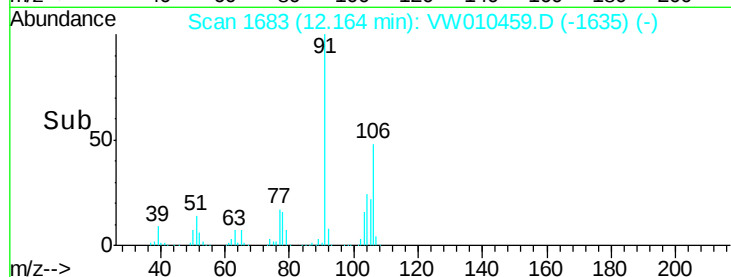
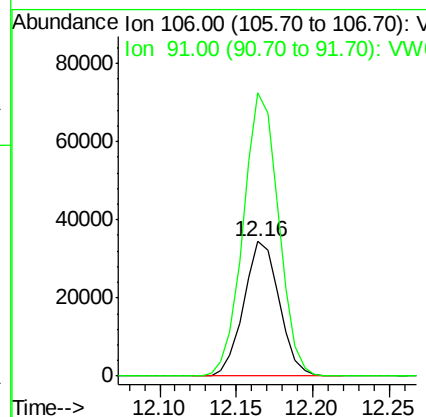
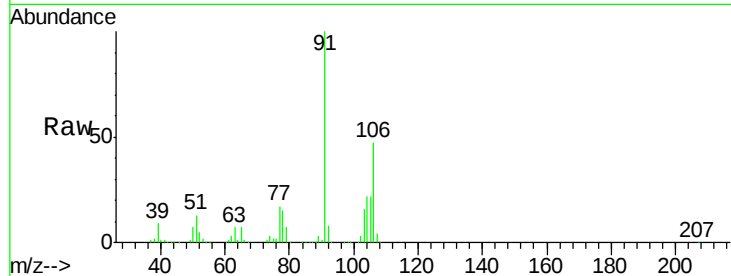
#69  
o-Xylene  
Concen: 19.150 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. -0.01 min  
Lab File: VW010459.D  
Acq: 20 May 2019 20:59

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0520SBS01

Tot Ion:106 Resp: 55644  
Ion Ratio Lower Upper  
106 100  
91 208.9 103.2 309.4

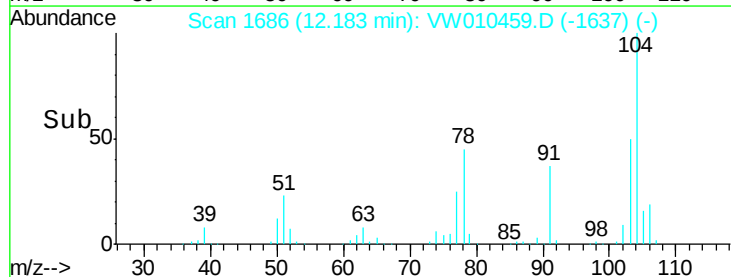
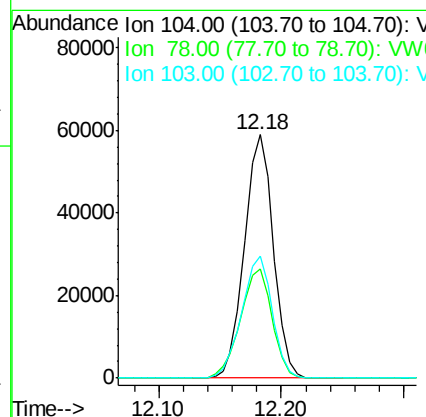
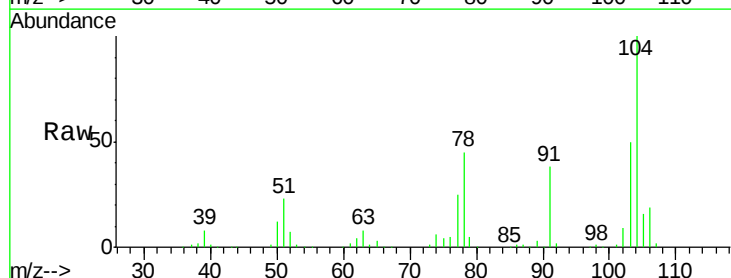
Manual Integrations  
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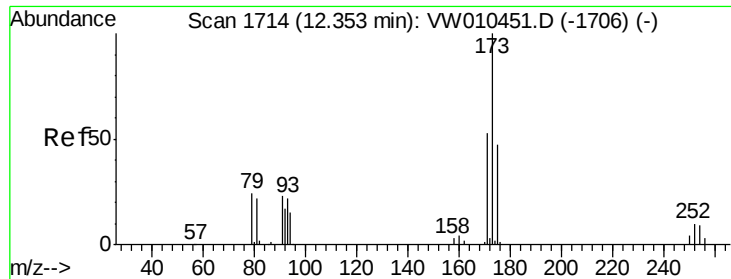
MMDadoda  
5/21/2019 11:29:11 AM



#70  
Styrene  
Concen: 19.624 ug/l  
RT: 12.18 min Scan# 1686  
Delta R.T. -0.00 min  
Lab File: VW010459.D  
Acq: 20 May 2019 20:59

Tgt Ion:104 Resp: 96745  
Ion Ratio Lower Upper  
104 100  
78 49.1 39.0 58.4  
103 53.0 43.0 64.6





#71

Bromoform

Concen: 19.398 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA\_W

ClientSampleId :

VW0520SBSD01

Tot Ion:173 Resp: 16946

Ion Ratio Lower Upper

173 100

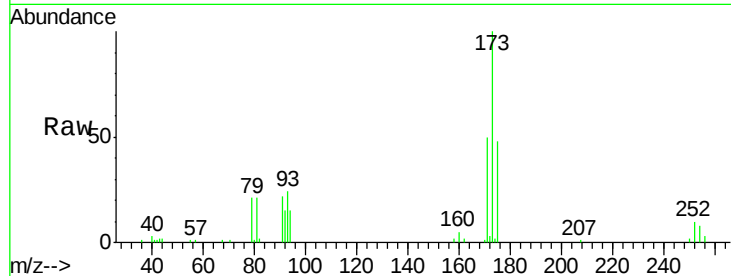
175 49.6 24.4 73.4

254 0.0 0.0 0.0

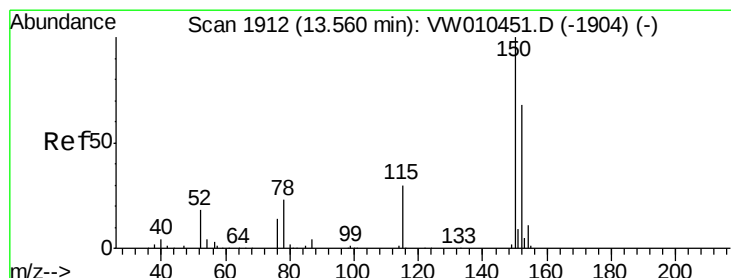
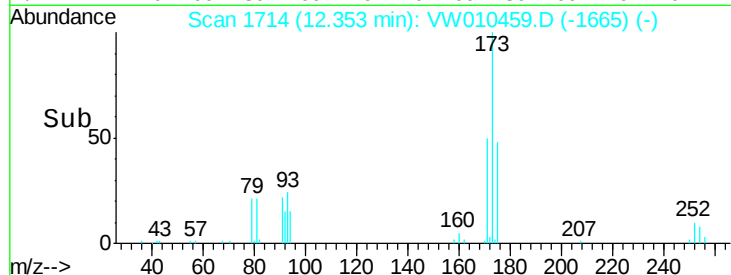
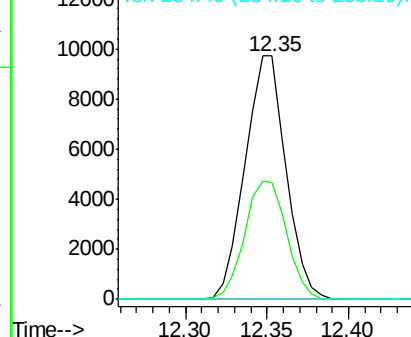
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Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

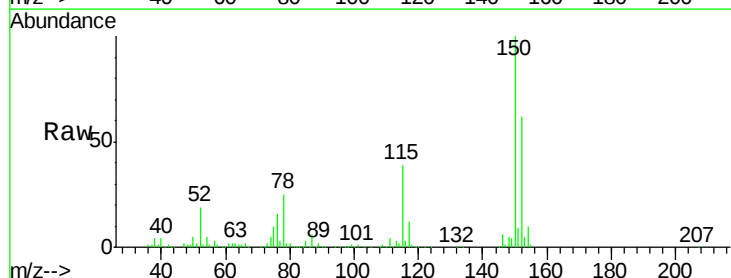
Tgt Ion:152 Resp: 97758

Ion Ratio Lower Upper

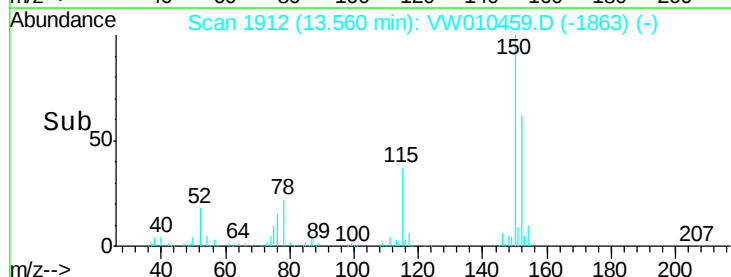
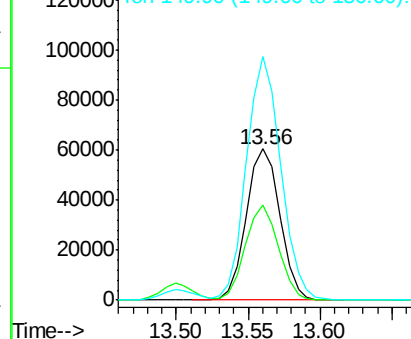
152 100

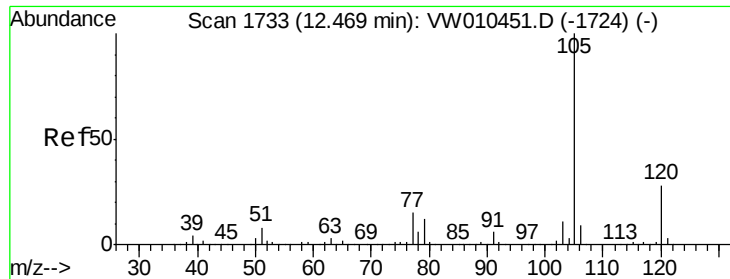
115 62.0 30.3 91.0

150 164.4 0.0 349.8



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.099 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA\_W

ClientSampled :

VW0520SBS01

Tot Ion: 105 Resp: 148158

Ion Ratio Lower Upper

105 100

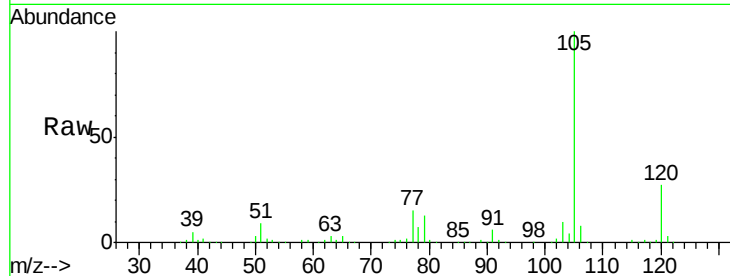
120 27.5 13.9 41.7

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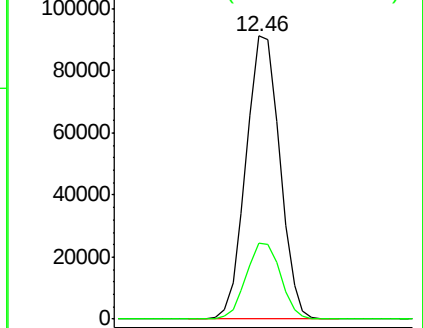
MMDadoda

5/21/2019 11:29:11 AM

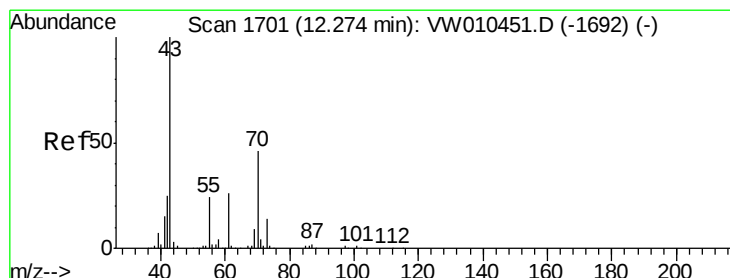
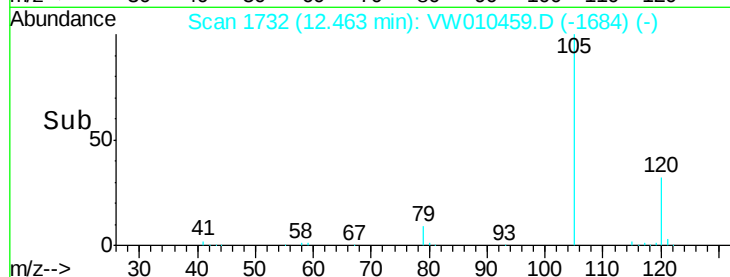


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 19.432 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Tgt Ion: 43 Resp: 34543

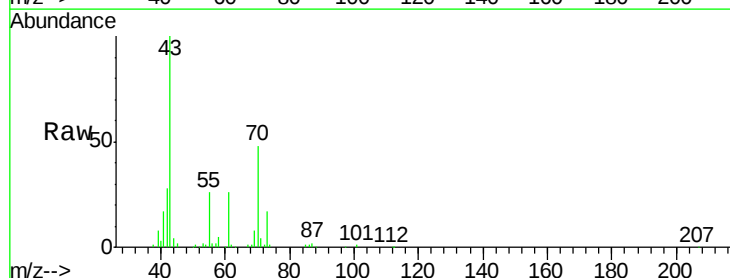
Ion Ratio Lower Upper

43 100

70 47.1 37.1 55.7

55 25.3 19.6 29.4

61 25.4 20.7 31.1

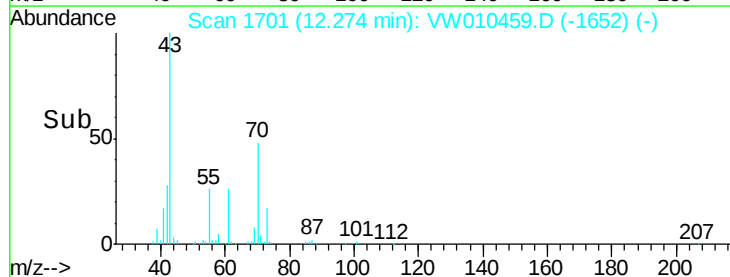
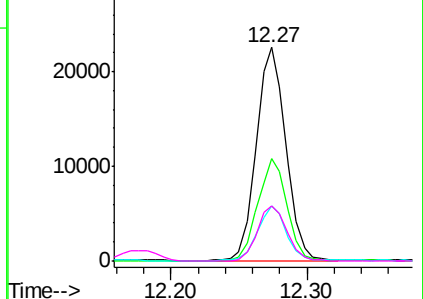


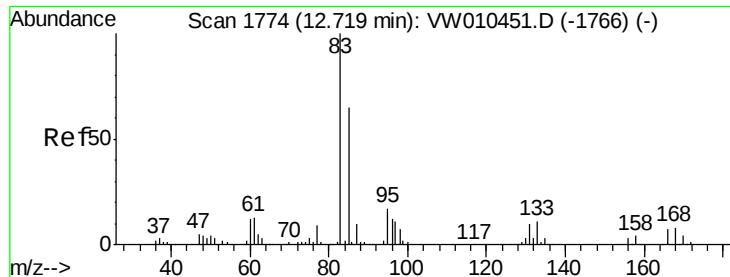
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 20.613 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA\_W

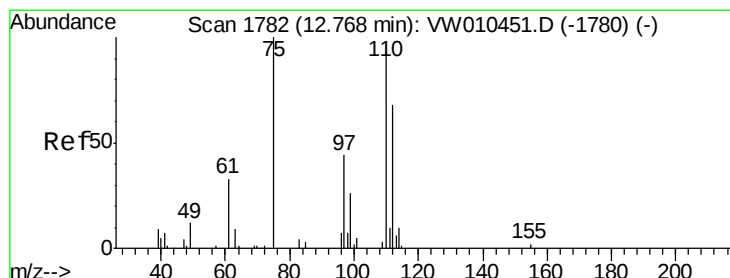
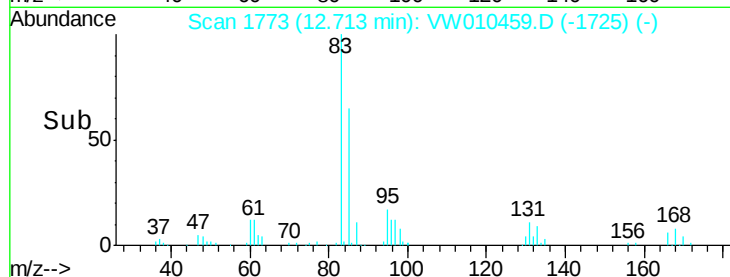
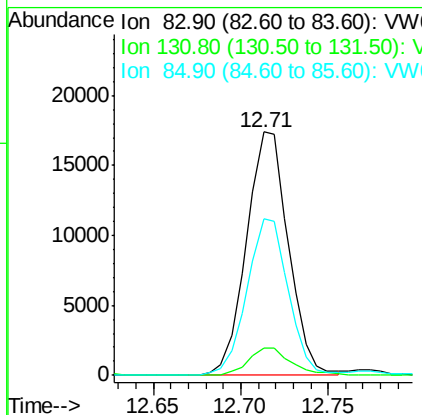
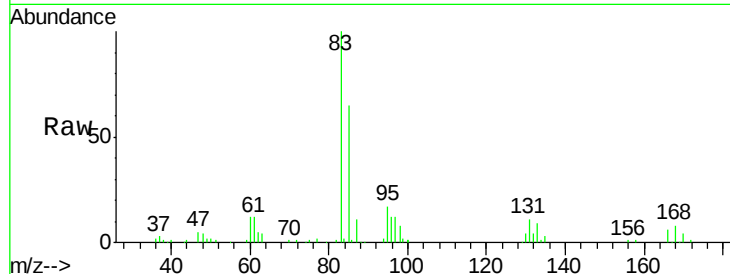
ClientSampleId :

VW0520SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 29084 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 131      | 11.4  | 5.6   | 16.8  |
| 85       | 63.6  | 32.4  | 97.0  |

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#76

1,2,3-Trichloropropane

Concen: 20.151 ug/l m

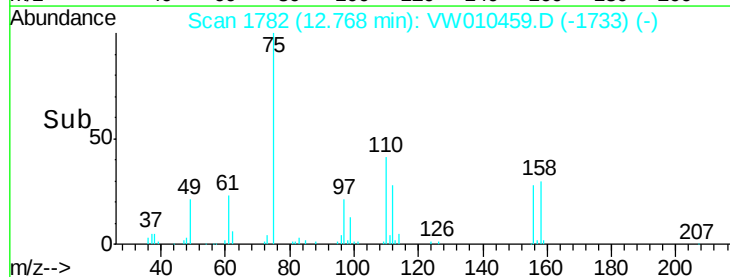
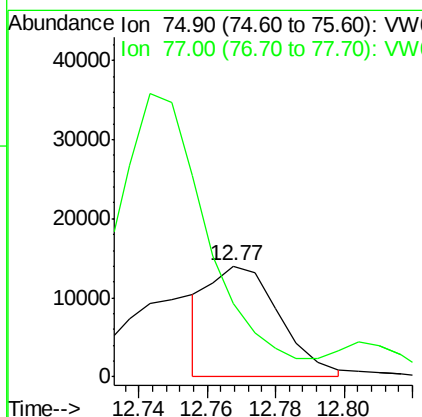
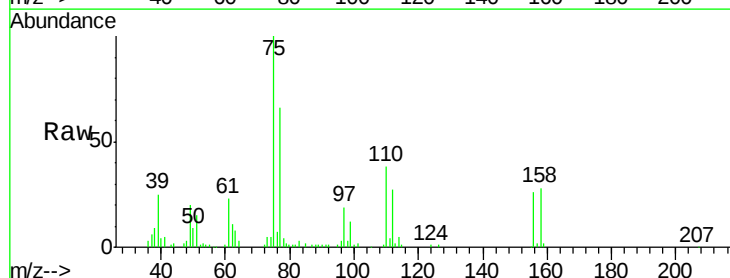
RT: 12.77 min Scan# 1782

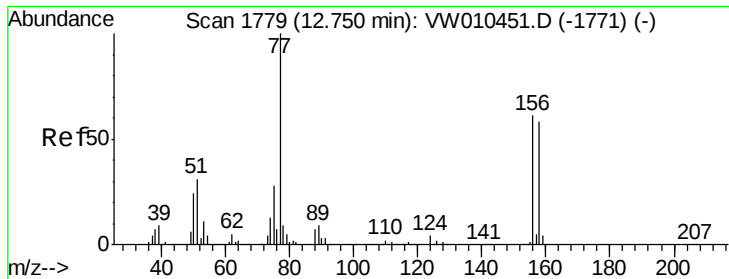
Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 19996  |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 77       | 0.0   | 170.0 | 510.1# |





#77

Bromobenzene

Concen: 19.862 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA\_W

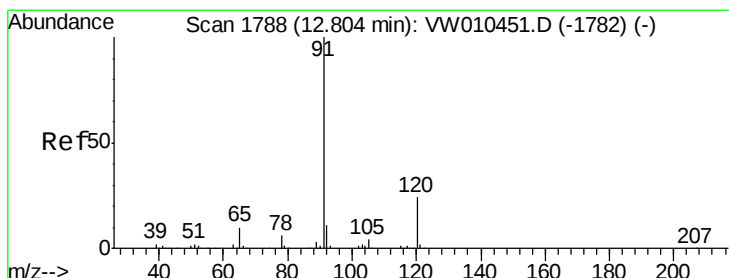
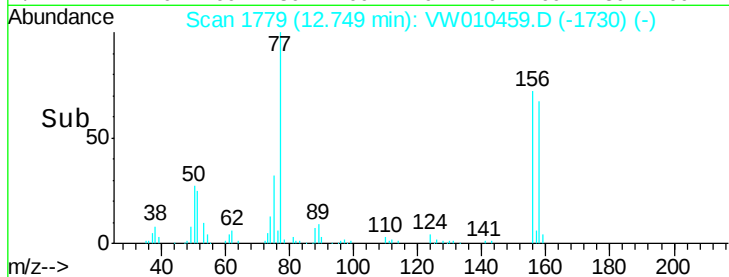
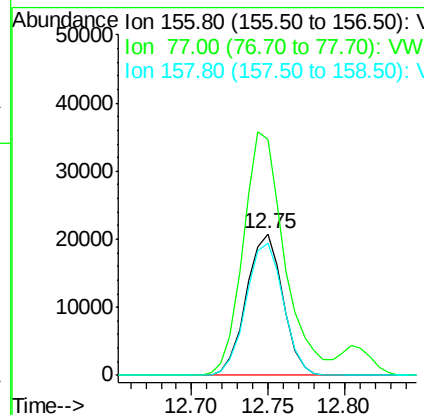
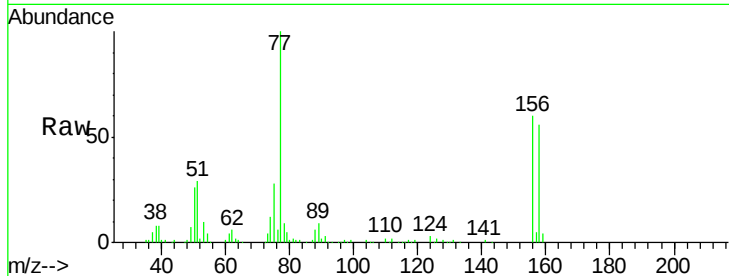
ClientSampleId :

VW0520SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 156   | Resp: | 34480 |
| Ion      | Ratio | Lower | Upper |
| 156      | 100   |       |       |
| 77       | 192.8 | 92.4  | 277.2 |
| 158      | 95.6  | 48.3  | 144.8 |

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#78

n-propylbenzene

Concen: 19.106 ug/l

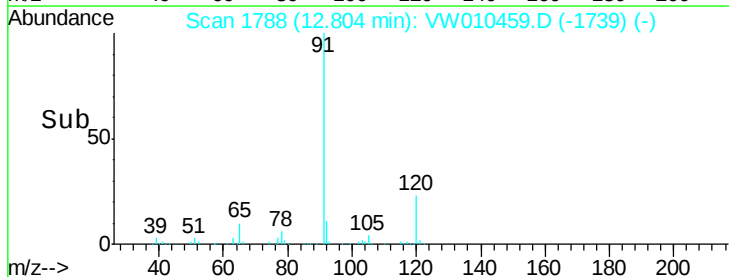
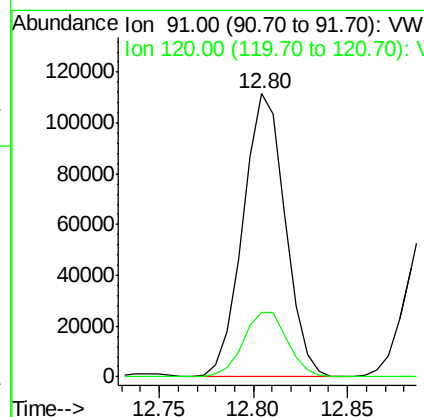
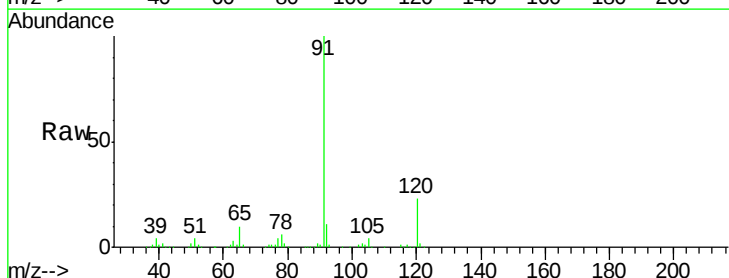
RT: 12.80 min Scan# 1788

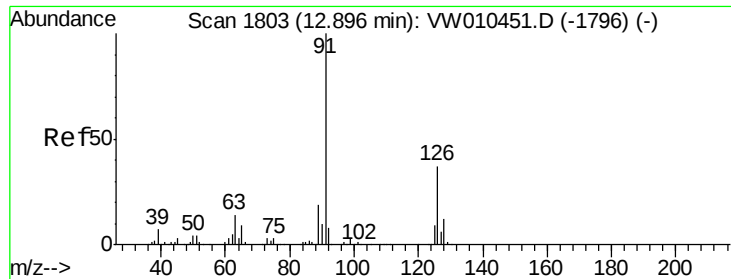
Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 172724 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 120      | 24.0  | 12.3  | 36.8   |





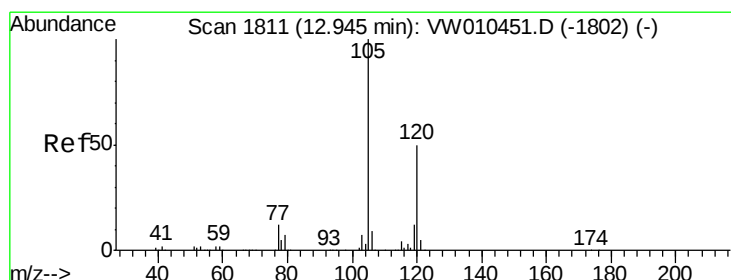
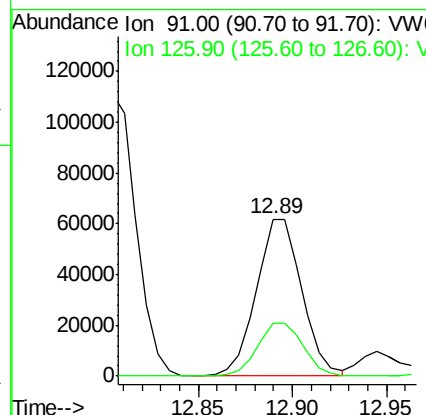
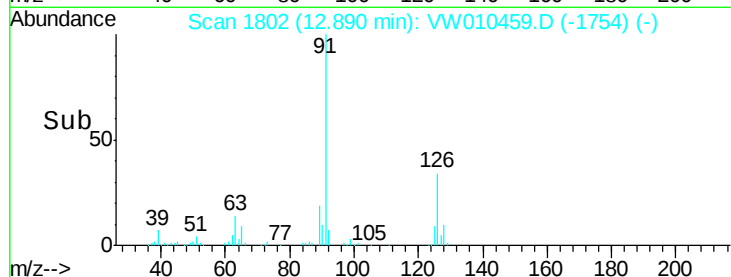
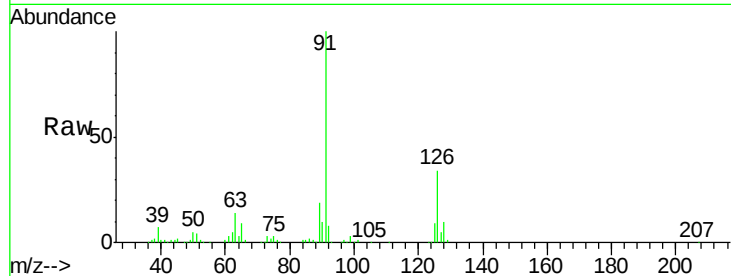
#79  
2-Chlorotoluene  
Concen: 19.755 ug/l  
RT: 12.89 min Scan# 1802  
Delta R.T. -0.01 min  
Lab File: VW010459.D  
Acq: 20 May 2019 20:59

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0520SBSD01

Tot Ion: 91 Resp: 103570  
Ion Ratio Lower Upper  
91 100  
126 34.2 17.4 52.3

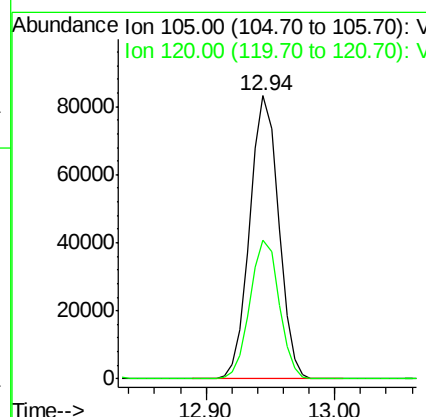
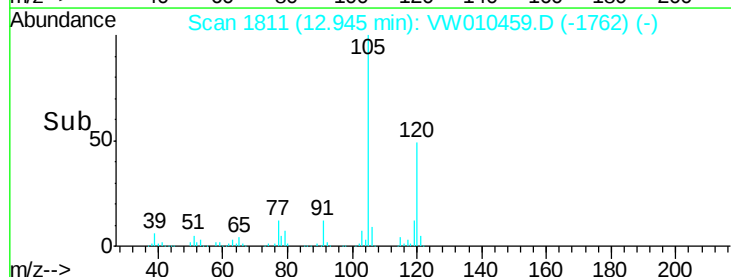
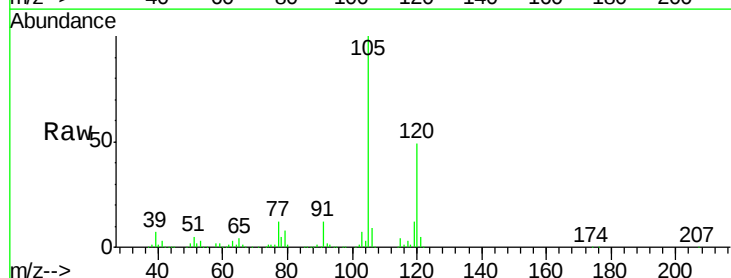
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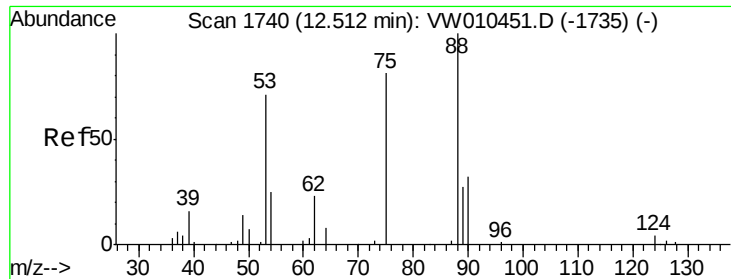
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#80  
1,3,5-Trimethylbenzene  
Concen: 19.597 ug/l  
RT: 12.94 min Scan# 1811  
Delta R.T. -0.00 min  
Lab File: VW010459.D  
Acq: 20 May 2019 20:59

Tgt Ion:105 Resp: 128753  
Ion Ratio Lower Upper  
105 100  
120 49.4 25.2 75.6





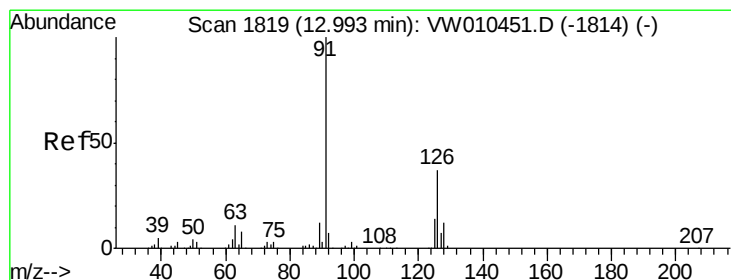
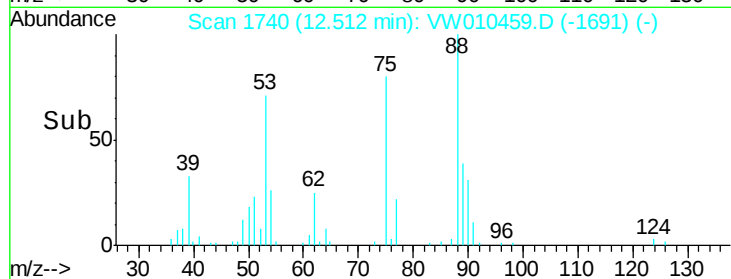
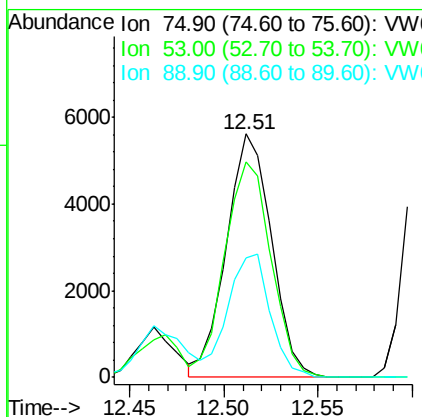
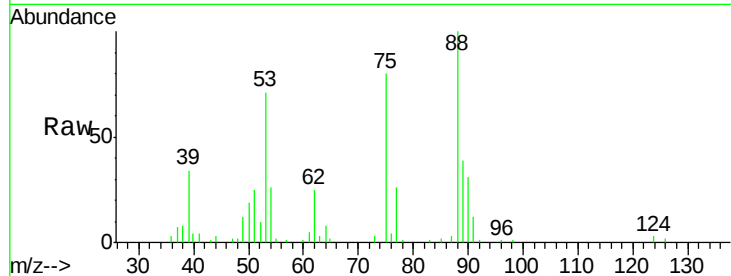
#81  
trans-1,4-Dichloro-2-butene  
Concen: 19.583 ug/l  
RT: 12.51 min Scan# 1740  
Delta R.T. -0.00 min  
Lab File: VW010459.D  
Acq: 20 May 2019 20:59

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0520SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 91.1  | 69.8  | 104.8 |
| 89      | 47.8  | 39.5  | 59.3  |

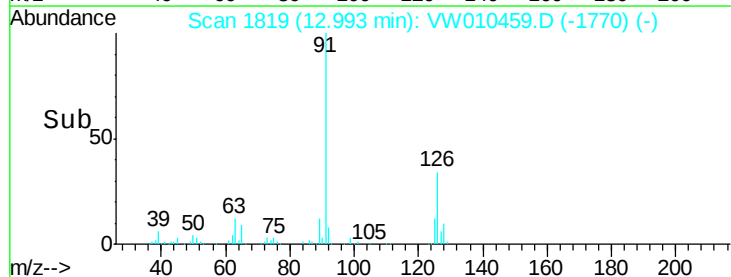
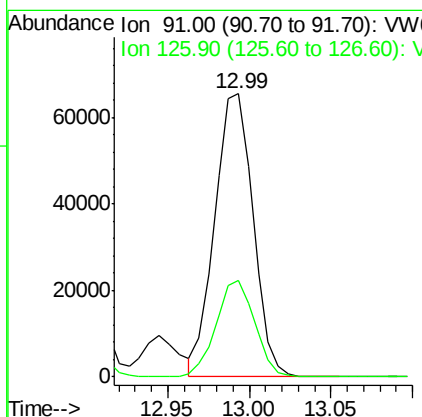
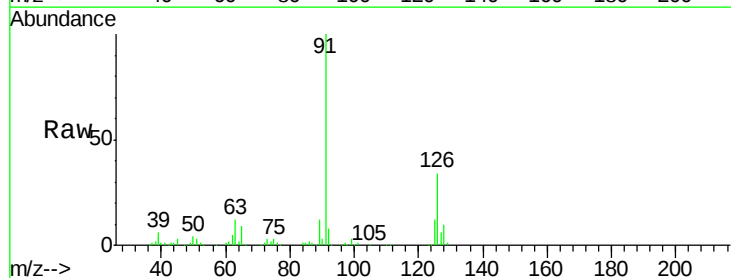
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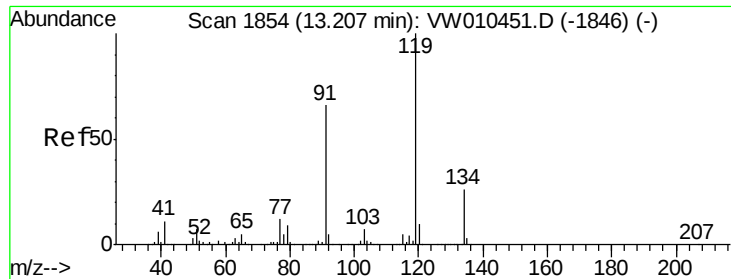
MMDadoda  
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#82  
4-Chlorotoluene  
Concen: 19.742 ug/l  
RT: 12.99 min Scan# 1819  
Delta R.T. -0.00 min  
Lab File: VW010459.D  
Acq: 20 May 2019 20:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 34.3  | 17.5  | 52.6  |





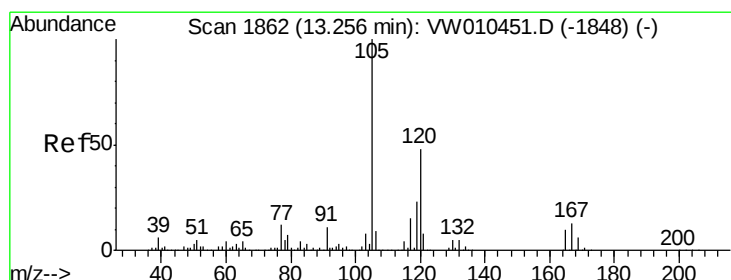
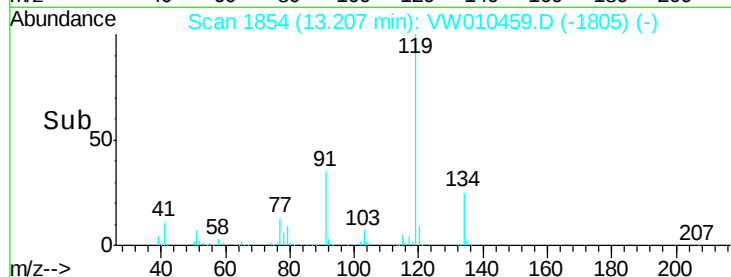
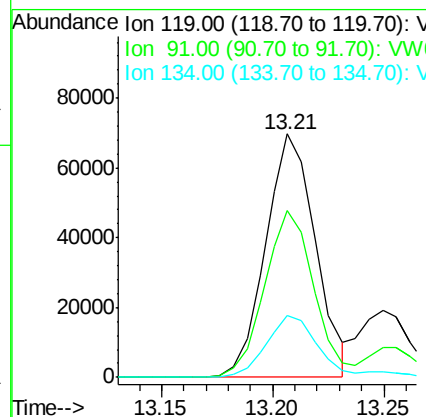
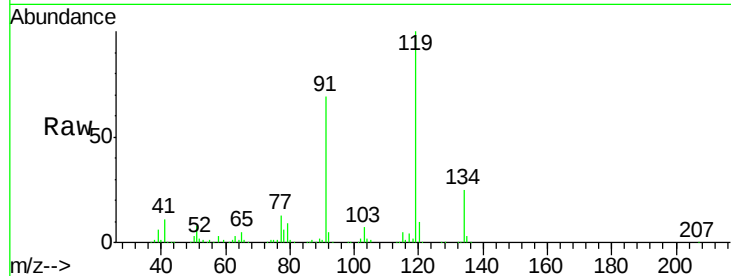
#83  
tert-Butylbenzene  
Concen: 18.841 ug/l  
RT: 13.21 min Scan# 1854  
Delta R.T. -0.00 min  
Lab File: VW010459.D  
Acq: 20 May 2019 20:59

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0520SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 108130 |       |       |
| 91      | 68.3  | 33.1   | 99.5  |       |
| 134     | 27.7  | 13.9   | 41.6  |       |

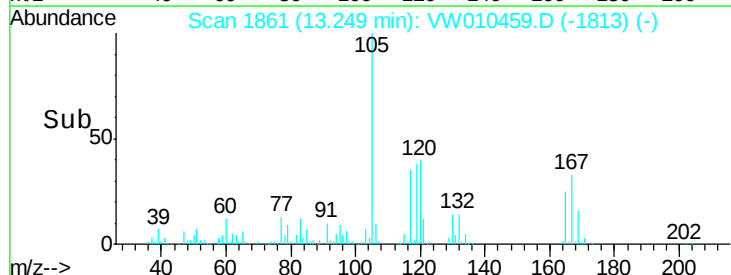
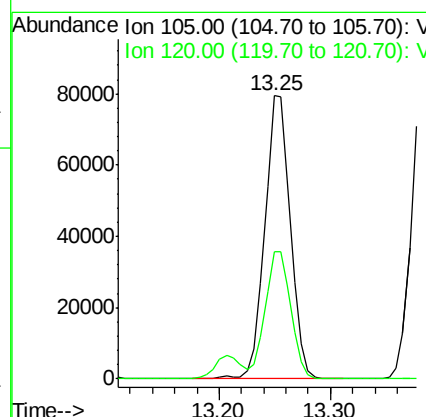
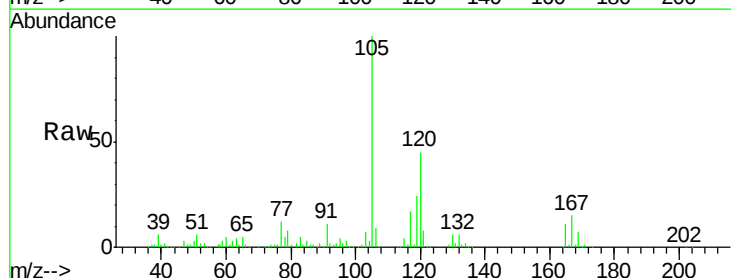
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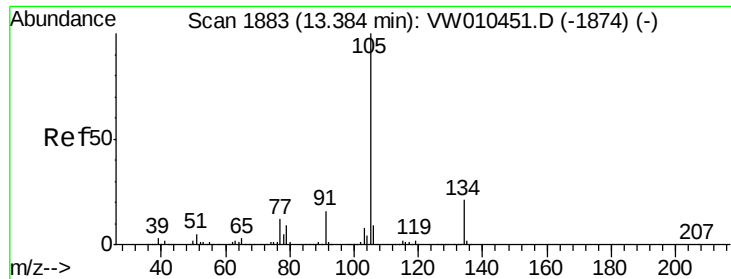
MMDadoda  
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#84  
1,2,4-Trimethylbenzene  
Concen: 19.466 ug/l  
RT: 13.25 min Scan# 1861  
Delta R.T. -0.01 min  
Lab File: VW010459.D  
Acq: 20 May 2019 20:59

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 127379 |       |       |
| 120     | 45.3  | 23.4   | 70.2  |       |





#85

sec-Butylbenzene

Concen: 18.990 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA\_W

ClientSampleId :

VW0520SBS01

Tot Ion:105 Resp: 152518

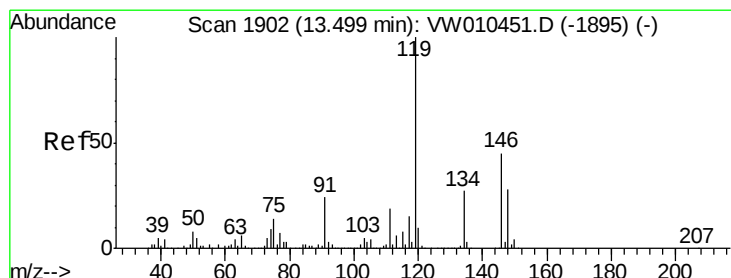
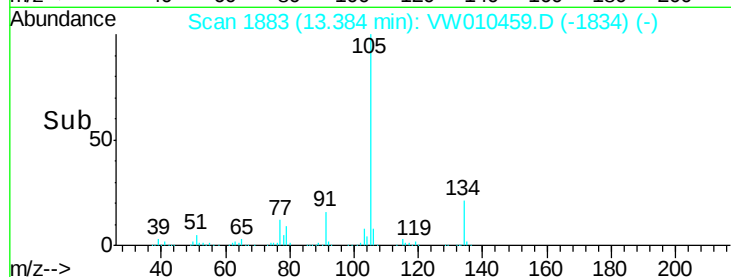
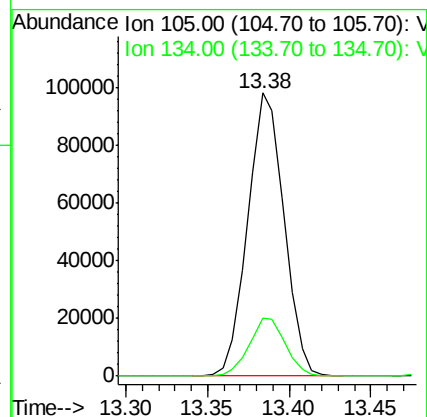
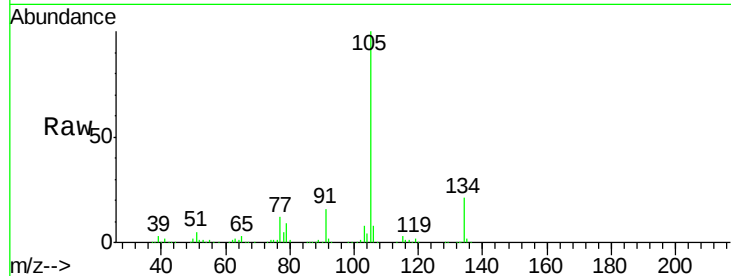
Ion Ratio Lower Upper

105 100

134 20.4 10.5 31.6

Manual Integrations  
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#86

p-Isopropyltoluene

Concen: 18.807 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

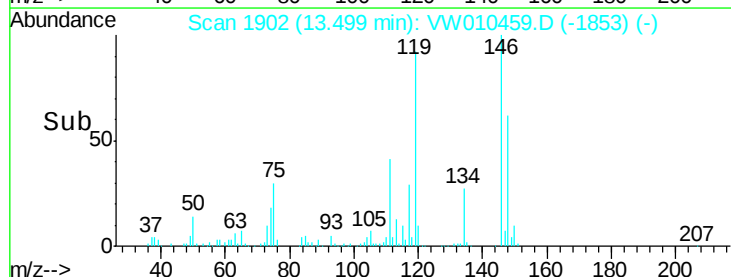
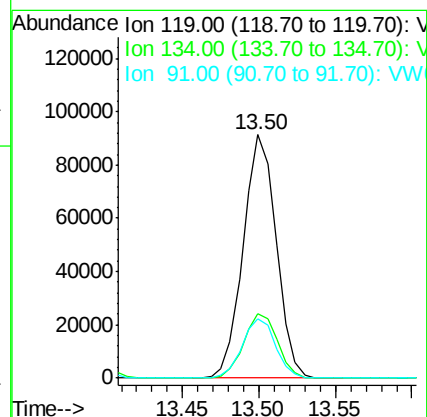
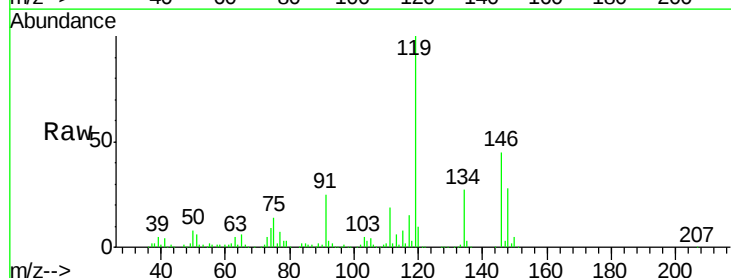
Tgt Ion:119 Resp: 136716

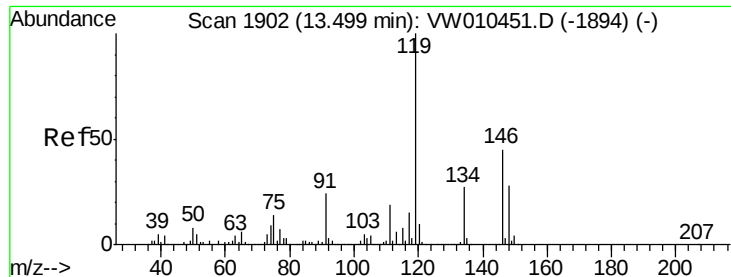
Ion Ratio Lower Upper

119 100

134 27.3 13.6 40.7

91 24.5 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 19.535 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA\_W

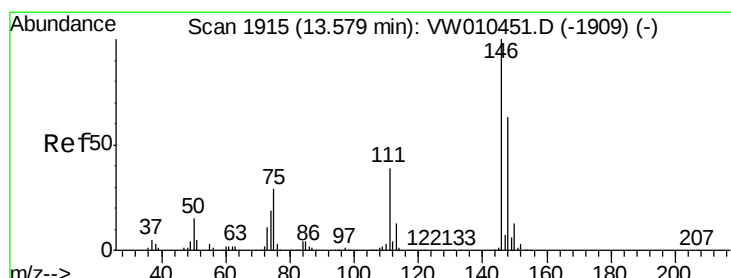
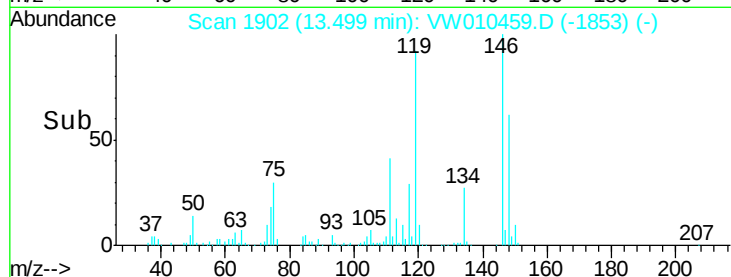
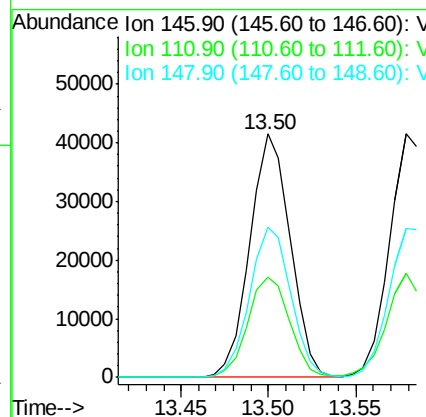
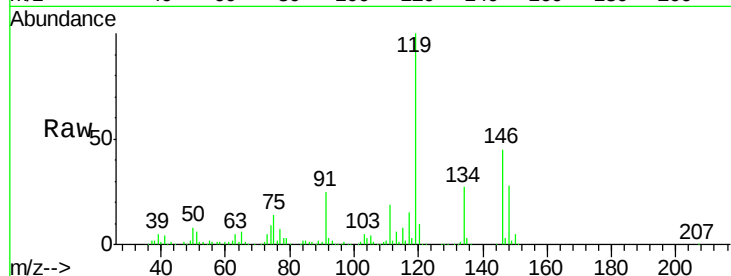
ClientSampleId :

VW0520SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 146   | Resp: | 66533 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 42.4  | 20.3  | 60.9  |
| 148       | 63.0  | 31.6  | 94.8  |

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#88

1,4-Dichlorobenzene

Concen: 19.381 ug/l

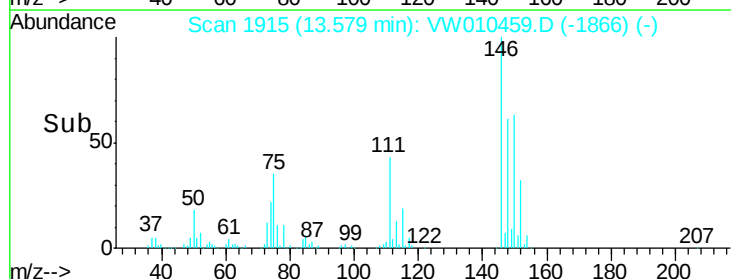
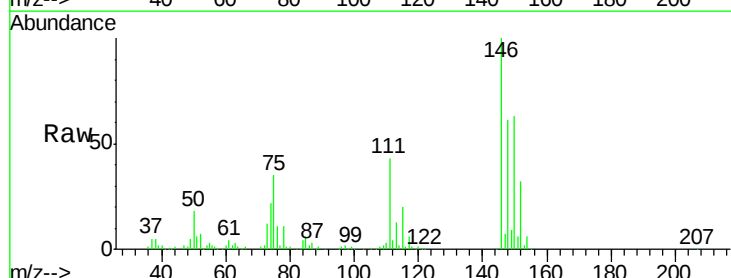
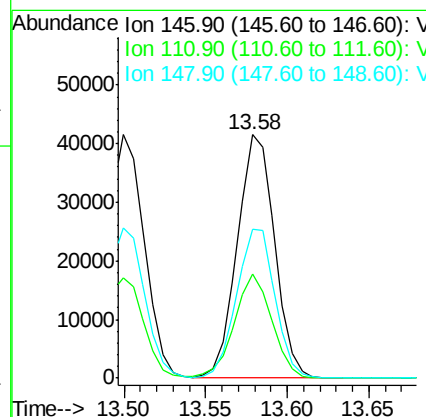
RT: 13.58 min Scan# 1915

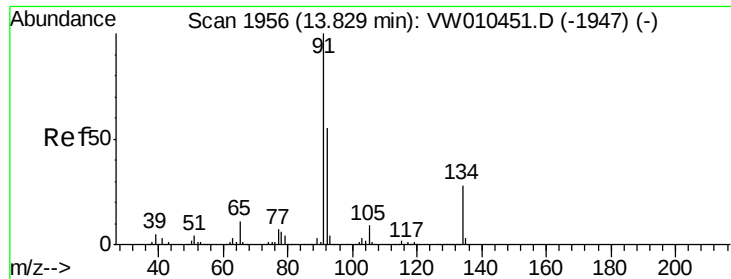
Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 66228 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 42.9  | 19.9  | 59.6  |
| 148       | 63.1  | 31.6  | 94.8  |





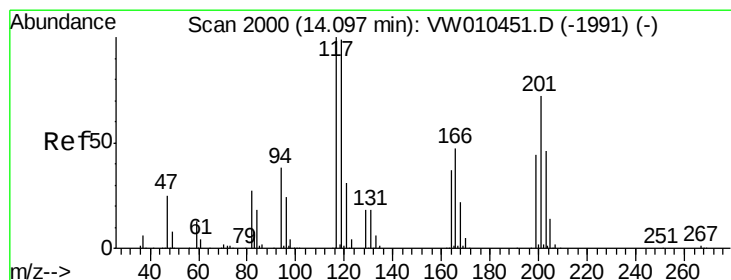
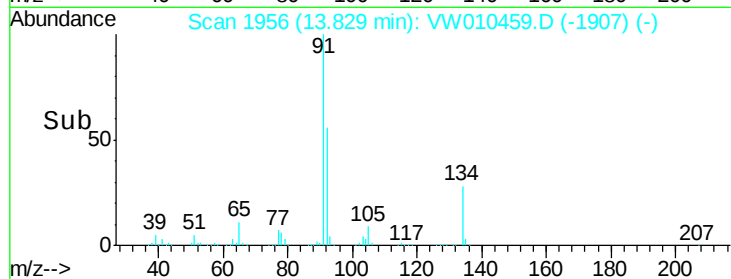
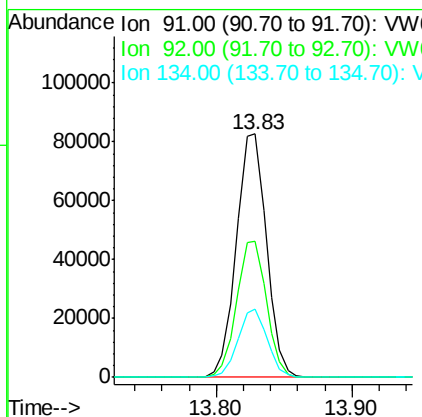
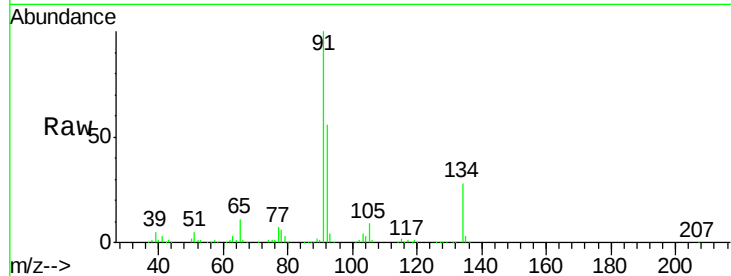
#89  
n-Butylbenzene  
Concen: 18.486 ug/l  
RT: 13.83 min Scan# 1956  
Delta R.T. -0.00 min  
Lab File: VW010459.D  
Acq: 20 May 2019 20:59

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0520SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 55.3  | 27.7  | 83.1  |
| 134     | 27.1  | 13.9  | 41.6  |

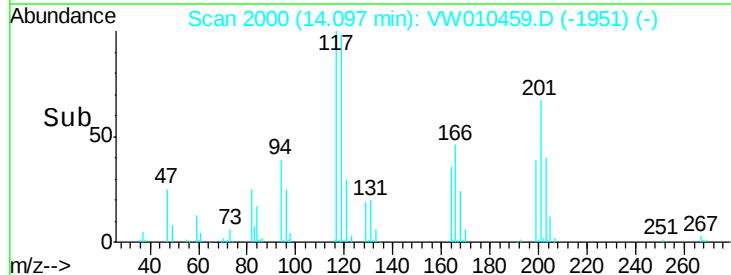
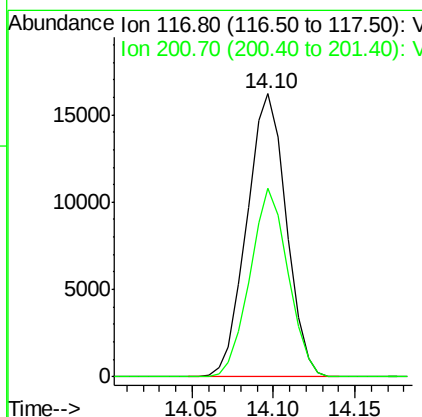
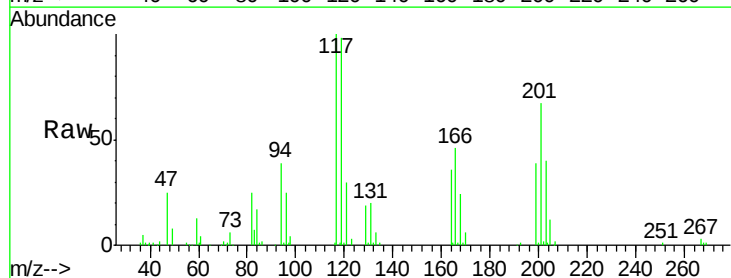
Manual Integrations  
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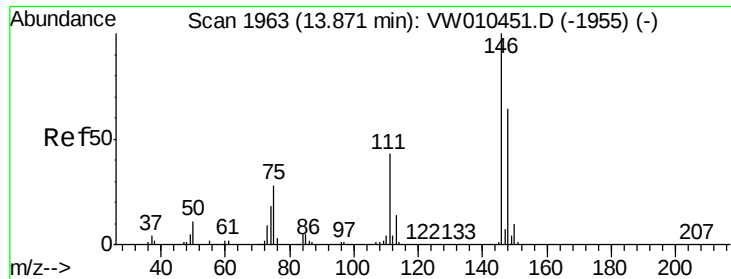
MMDadoda  
5/21/2019 11:29:11 AM



#90  
Hexachloroethane  
Concen: 19.341 ug/l  
RT: 14.10 min Scan# 2000  
Delta R.T. -0.00 min  
Lab File: VW010459.D  
Acq: 20 May 2019 20:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 64.4  | 34.6  | 103.8 |





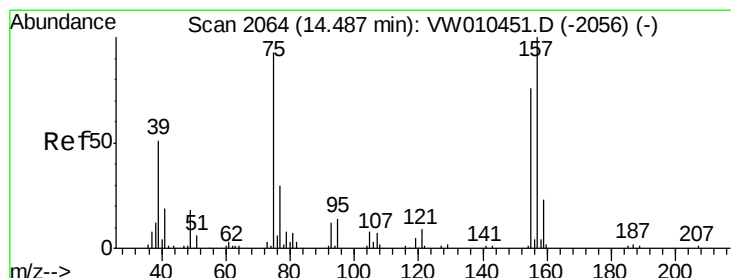
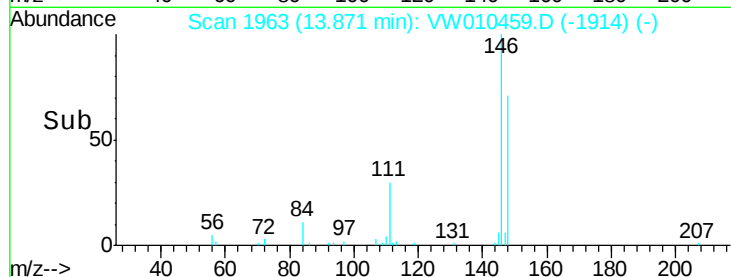
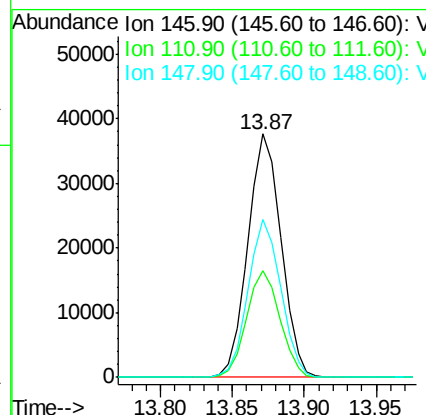
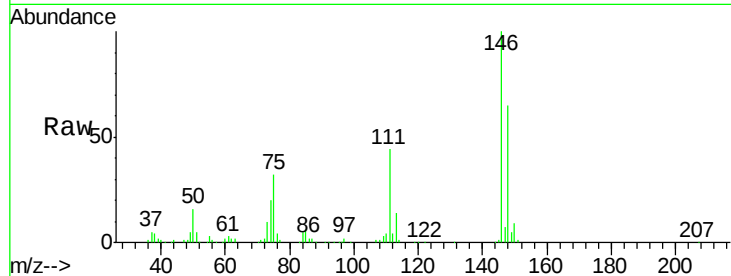
#91  
 1,2-Dichlorobenzene  
 Concen: 19.363 ug/l  
 RT: 13.87 min Scan# 1963  
 Delta R.T. -0.00 min  
 Lab File: VW010459.D  
 Acq: 20 May 2019 20:59

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0520SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 44.0  | 21.3  | 64.0  |
| 148     | 64.0  | 32.0  | 96.0  |

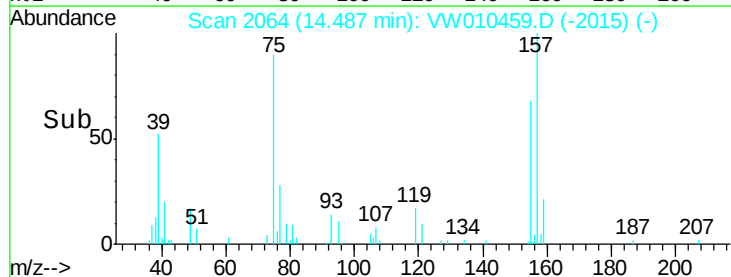
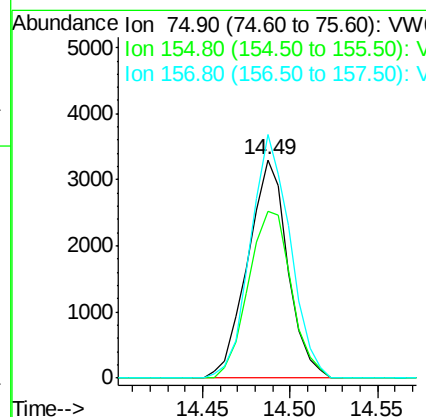
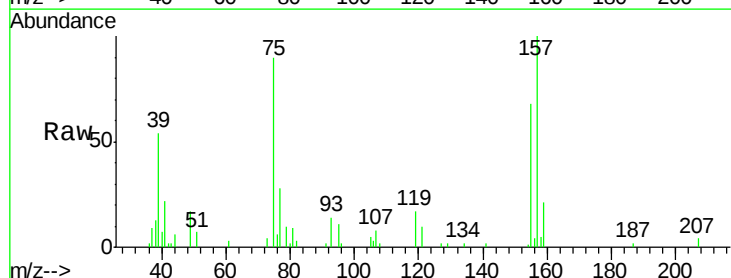
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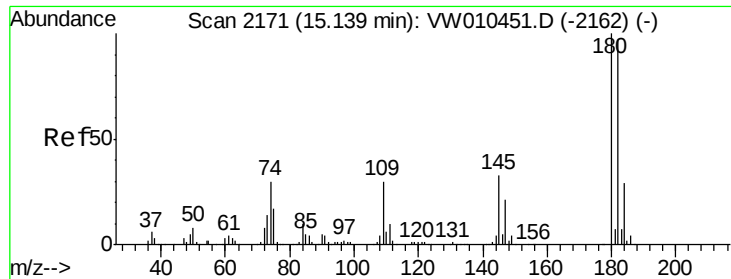
MMDadoda  
 5/21/2019 11:29:11 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 20.094 ug/l  
 RT: 14.49 min Scan# 2064  
 Delta R.T. -0.00 min  
 Lab File: VW010459.D  
 Acq: 20 May 2019 20:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 82.4  | 43.0  | 129.0 |
| 157     | 111.1 | 55.7  | 167.1 |





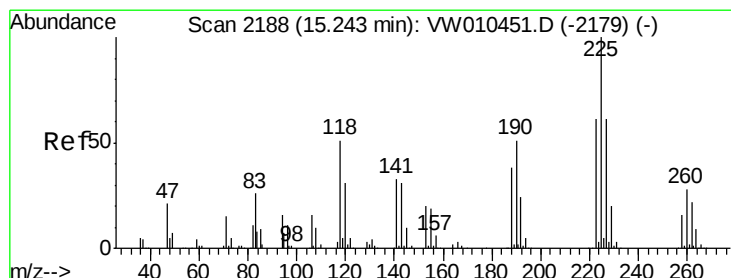
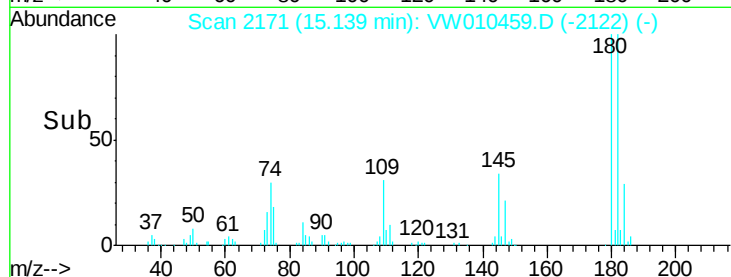
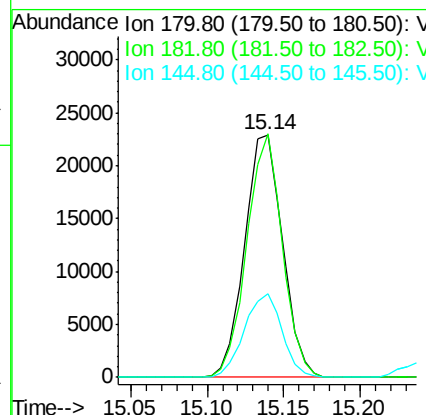
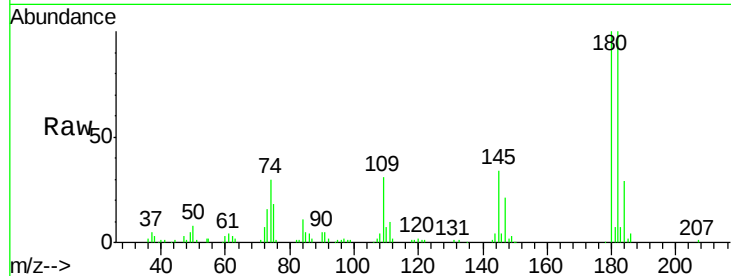
#93  
 1,2,4-Trichlorobenzene  
 Concen: 18.663 ug/l  
 RT: 15.14 min Scan# 2171  
 Delta R.T. -0.00 min  
 Lab File: VW010459.D  
 Acq: 20 May 2019 20:59

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0520SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.1  | 47.0  | 141.2 |
| 145     | 34.3  | 16.7  | 50.0  |

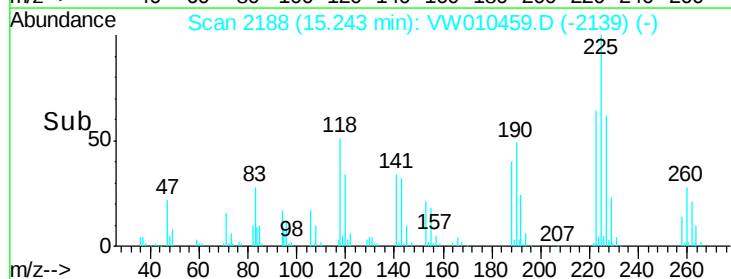
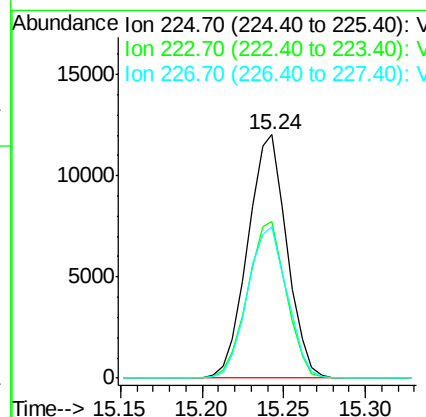
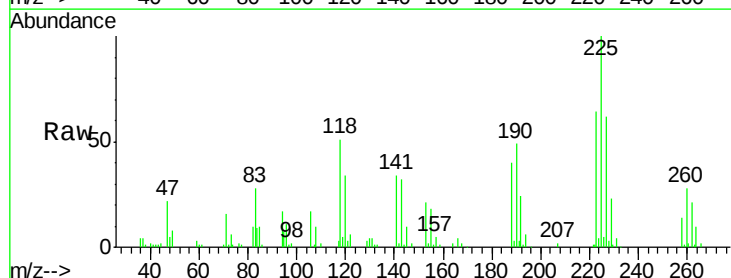
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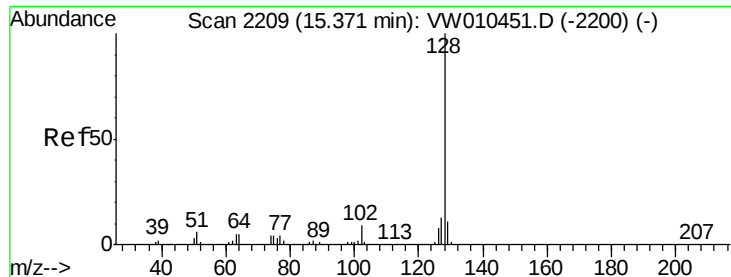
MMDadoda  
 5/21/2019 11:29:11 AM



#94  
 Hexachlorobutadiene  
 Concen: 17.794 ug/l  
 RT: 15.24 min Scan# 2188  
 Delta R.T. -0.00 min  
 Lab File: VW010459.D  
 Acq: 20 May 2019 20:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.9  | 31.1  | 93.2  |
| 227     | 63.0  | 31.1  | 93.5  |





#95

Naphthalene

Concen: 20.011 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

Instrument :

MSVOA\_W

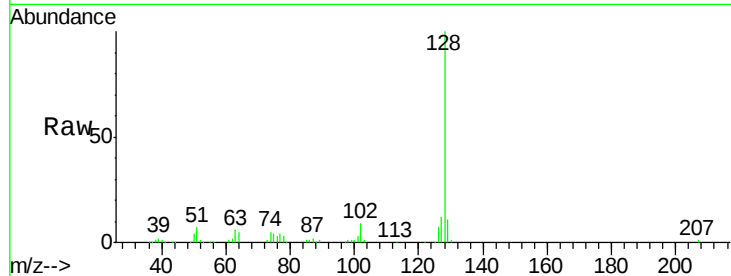
ClientSampled :

VW0520SBS01

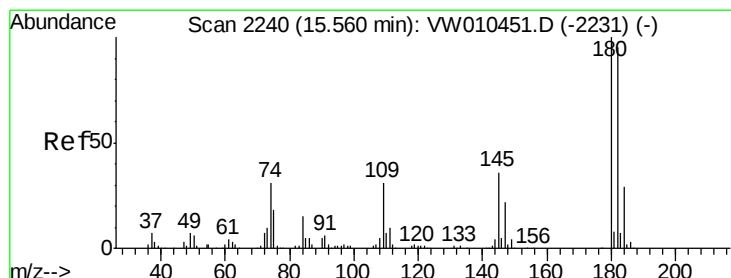
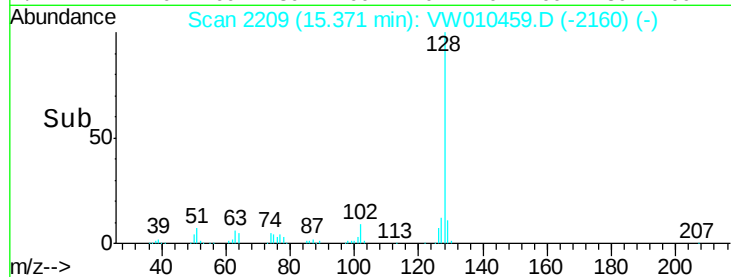
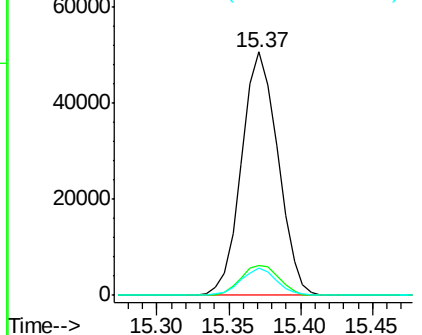
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 88692 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 13.1  | 10.6  | 15.8  |
| 129       | 10.9  | 8.9   | 13.3  |

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Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.050 ug/l

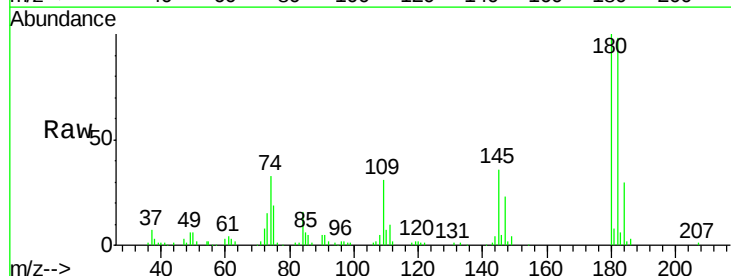
RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW010459.D

Acq: 20 May 2019 20:59

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 34611 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 97.1  | 47.1  | 141.3 |
| 145       | 36.9  | 17.4  | 52.3  |



Abundance Ion 179.80 (179.50 to 180.50): V  
Ion 181.80 (181.50 to 182.50): V  
Ion 144.90 (144.60 to 145.60): V

