

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080319\  
 Data File : VW011636.D  
 Acq On : 02 Aug 2019 23:32  
 Operator : SY/VA  
 Sample : VW0803SBS01  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0803SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 8/6/2019 9:20:00 AM

Quant Time: Aug 04 00:30:38 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W072719S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jul 27 00:23:30 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 217629   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 375242   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 335250   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 160860   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.30   | 65  | 147658   | 59.09 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 118.18% |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 114721   | 54.49 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 108.98% |      |
| 50) Toluene-d8            | 10.32  | 98  | 462985   | 53.72 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 107.44% |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 166236   | 54.10 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 108.20% |      |

## Target Compounds

|                               |      |     |        |         |        | Qvalue |
|-------------------------------|------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.01 | 85  | 27590  | 22.748  | ug/l   | 93     |
| 3) Chloromethane              | 2.21 | 50  | 45631  | 21.696  | ug/l   | 99     |
| 4) Vinyl Chloride             | 2.35 | 62  | 53914  | 21.293  | ug/l   | 100    |
| 5) Bromomethane               | 2.76 | 94  | 29072  | 20.743  | ug/l   | 99     |
| 6) Chloroethane               | 2.92 | 64  | 29227  | 20.207  | ug/l   | 100    |
| 7) Trichlorofluoromethane     | 3.25 | 101 | 22798  | 20.147  | ug/l   | 95     |
| 8) Diethyl Ether              | 3.68 | 74  | 29453  | 22.956  | ug/l   | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101 | 44619  | 20.786  | ug/l   | 100    |
| 10) Methyl Iodide             | 4.28 | 142 | 65176  | 21.485  | ug/l   | 100    |
| 11) Tert butyl alcohol        | 5.15 | 59  | 22250  | 110.710 | ug/l   | 97     |
| 12) 1,1-Dichloroethene        | 4.04 | 96  | 46699  | 20.604  | ug/l   | 96     |
| 13) Acrolein                  | 3.89 | 56  | 17003  | 94.825  | ug/l   | 97     |
| 14) Allyl chloride            | 4.67 | 41  | 101251 | 21.004  | ug/l   | 99     |
| 15) Acrylonitrile             | 5.36 | 53  | 73674  | 115.030 | ug/l   | 99     |
| 16) Acetone                   | 4.12 | 43  | 67344  | 84.718  | ug/l   | 97     |
| 17) Carbon Disulfide          | 4.38 | 76  | 144415 | 20.358  | ug/l   | 99     |
| 18) Methyl Acetate            | 4.67 | 43  | 46863  | 26.242  | ug/l   | 99     |
| 19) Methyl tert-butyl Ether   | 5.42 | 73  | 79919  | 22.220  | ug/l   | 98     |
| 20) Methylene Chloride        | 4.91 | 84  | 60596  | 22.103  | ug/l   | 97     |
| 21) trans-1,2-Dichloroethene  | 5.42 | 96  | 52466  | 21.471  | ug/l   | 95     |
| 22) Diisopropyl ether         | 6.31 | 45  | 207333 | 22.812  | ug/l   | 96     |
| 23) Vinyl Acetate             | 6.25 | 43  | 617112 | 108.058 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 6.21 | 63  | 109237 | 22.442  | ug/l   | 99     |
| 25) 2-Butanone                | 7.16 | 43  | 106780 | 102.655 | ug/l   | 100    |
| 26) 2,2-Dichloropropane       | 7.16 | 77  | 56634  | 18.919  | ug/l   | 98     |
| 27) cis-1,2-Dichloroethene    | 7.16 | 96  | 57734  | 21.468  | ug/l   | 97     |
| 28) Bromochloromethane        | 7.51 | 49  | 51126  | 23.663  | ug/l   | 98     |
| 29) Tetrahydrofuran           | 7.53 | 42  | 68190  | 114.687 | ug/l   | 99     |
| 30) Chloroform                | 7.67 | 83  | 100833 | 22.454  | ug/l   | 100    |
| 31) Cyclohexane               | 7.95 | 56  | 95854  | 20.515  | ug/l # | 96     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97  | 74823  | 21.878  | ug/l   | 98     |
| 36) 1,1-Dichloropropene       | 8.08 | 75  | 77923  | 19.971  | ug/l   | 99     |
| 37) Ethyl Acetate             | 7.25 | 43  | 48181  | 21.463  | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 8.07 | 117 | 66543  | 19.922  | ug/l   | 98     |

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 Sample : VW0803SBS01  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleID :  
 VW0803SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 8/6/2019 9:20:00 AM

Quant Time: Aug 04 00:30:38 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W072719S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jul 27 00:23:30 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 84621    | 19.696  | ug/l   | 99       |
| 40) Benzene                    | 8.32  | 78   | 228942   | 20.948  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.48  | 41   | 28370    | 21.142  | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 75180    | 21.971  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.42  | 43   | 87702    | 21.243  | ug/l   | 99       |
| 44) Trichloroethene            | 9.09  | 130  | 53080    | 20.207  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 62312    | 21.308  | ug/l   | 98       |
| 46) Dibromomethane             | 9.46  | 93   | 29069    | 21.779  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.65  | 83   | 74309    | 21.224  | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.43  | 41   | 41565    | 20.959  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.44  | 88   | 9099     | 470.824 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 230969   | 107.558 | ug/l   | 100      |
| 52) Toluene                    | 10.38 | 92   | 136988   | 20.755  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.60 | 75   | 73703    | 20.152  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 89067    | 20.482  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 41239    | 21.776  | ug/l   | 96       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 58548    | 21.128  | ug/l   | 100      |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 77667    | 21.678  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.92  | 63   | 122732   | 97.544  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.97 | 43   | 154777   | 102.082 | ug/l   | 99       |
| 60) Dibromochloromethane       | 11.13 | 129  | 45262    | 21.532  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 38084    | 21.251  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.86 | 164  | 46228    | 21.178  | ug/l   | 96       |
| 65) Chlorobenzene              | 11.66 | 112  | 139042   | 20.629  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 48979    | 20.862  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.73 | 91   | 260136   | 20.265  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.84 | 106  | 188963   | 40.477  | ug/l   | 100      |
| 69) o-Xylene                   | 12.16 | 106  | 89265    | 20.577  | ug/l   | 100      |
| 70) Styrene                    | 12.18 | 104  | 156109   | 20.813  | ug/l   | 100      |
| 71) Bromoform                  | 12.35 | 173  | 25104    | 20.972  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.46 | 105  | 243663   | 20.304  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.27 | 43   | 80161    | 21.336  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 48996    | 21.706  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 34093m   | 20.030  | ug/l   |          |
| 77) Bromobenzene               | 12.74 | 156  | 54354    | 20.492  | ug/l   | 96       |
| 78) n-propylbenzene            | 12.80 | 91   | 294893   | 20.192  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.89 | 91   | 173233   | 20.589  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 208064   | 20.683  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.51 | 75   | 14379    | 19.469  | ug/l   | 95       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 180156   | 20.408  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.21 | 119  | 174608   | 20.757  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.25 | 105  | 211185   | 20.840  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.38 | 105  | 244306   | 20.354  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.50 | 119  | 218390   | 20.053  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.50 | 146  | 107951   | 20.756  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 105903   | 20.469  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.82 | 91   | 210419   | 19.361  | ug/l   | 99       |
| 90) Hexachloroethane           | 14.09 | 117  | 40106    | 20.826  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 96956    | 21.077  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 8426     | 21.890  | ug/l   | 97       |

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Operator : SY/VA  
Sample : VW0803SBS01  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0803SBS01

Manual Integrations  
APPROVED

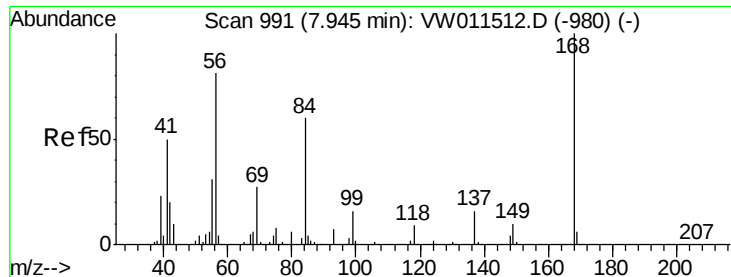
MMDadoda  
8/6/2019 9:20:00 AM

Quant Time: Aug 04 00:30:38 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W072719S.M  
Quant Title : SW846 8260  
QLast Update : Sat Jul 27 00:23:30 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.13 | 180  | 62596    | 19.308 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 40083    | 19.826 | ug/l  | 97       |
| 95) Naphthalene            | 15.37 | 128  | 114030   | 19.280 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.56 | 180  | 56765    | 19.975 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011636.D

Acq: 02 Aug 2019 23:32

Instrument :

MSVOA\_W

ClientSampleId :

VW0803SBS01

Tot Ion:168 Resp: 217629

Ion Ratio Lower Upper

168 100

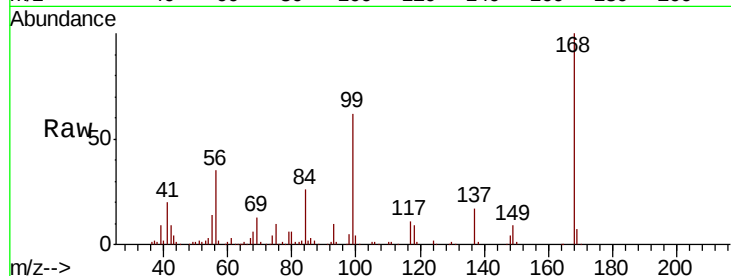
99 62.0 48.2 72.4

Manual Integrations

APPROVED

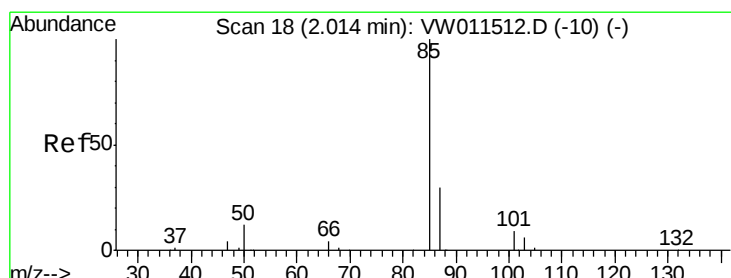
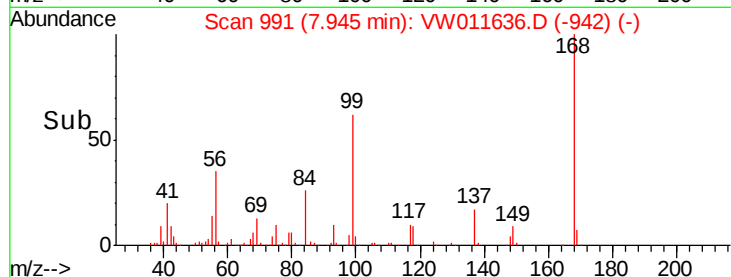
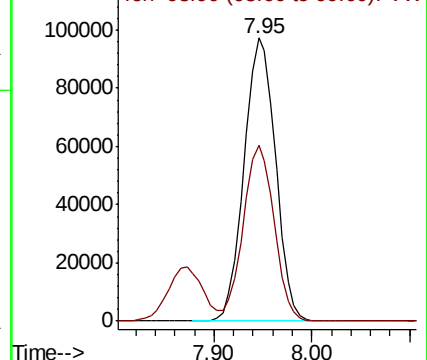
MMDadoda

8/6/2019 9:20:00 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 22.748 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011636.D

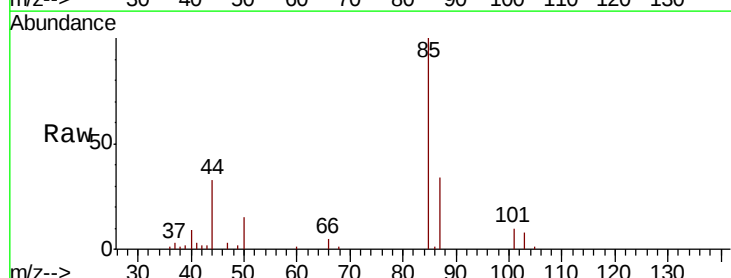
Acq: 02 Aug 2019 23:32

Tgt Ion: 85 Resp: 27590

Ion Ratio Lower Upper

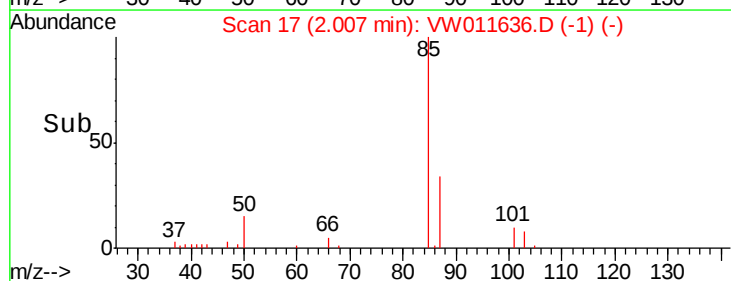
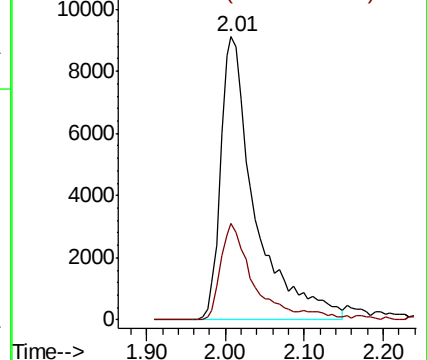
85 100

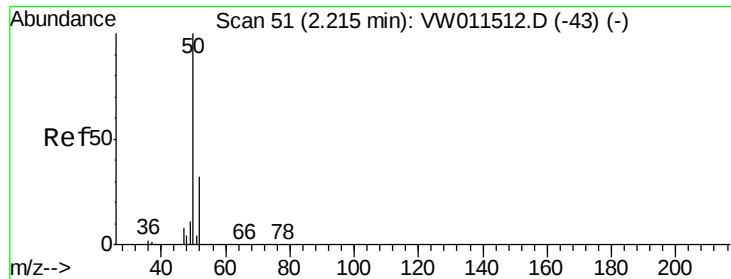
87 34.1 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 21.696 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011636.D

Acq: 02 Aug 2019 23:32

Instrument :

MSVOA\_W

ClientSampleId :

VW0803SBS01

Tot Ion: 50 Resp: 45631

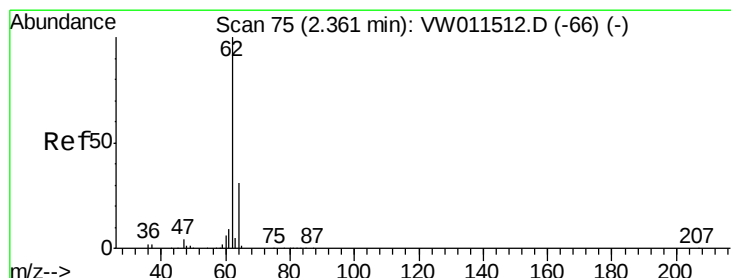
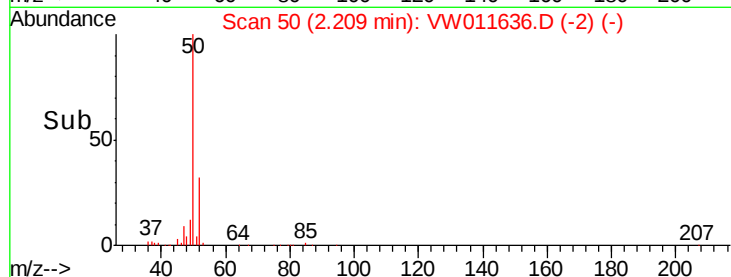
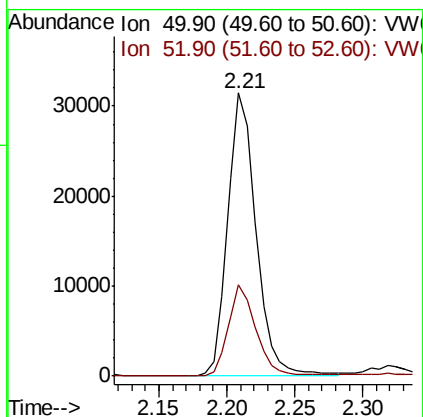
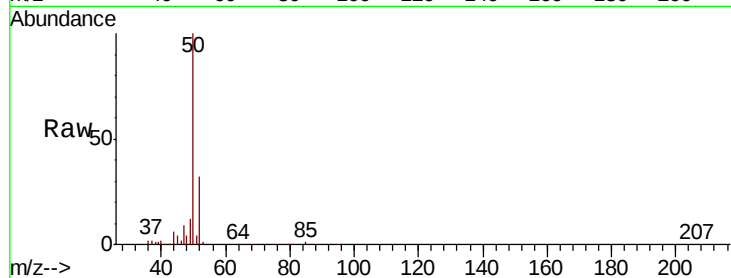
Ion Ratio Lower Upper

50 100

52 32.2 25.4 38.2

Manual Integrations  
APPROVED

MMDadoda  
8/6/2019 9:20:00 AM



#4

Vinyl Chloride

Concen: 21.293 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011636.D

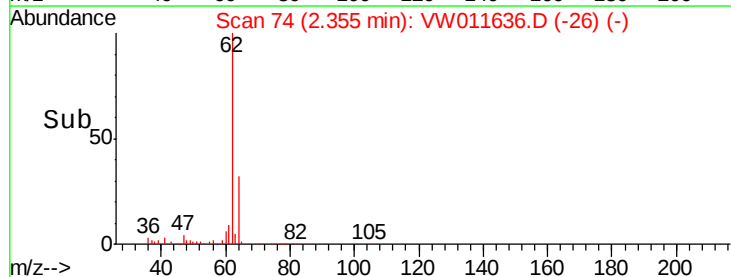
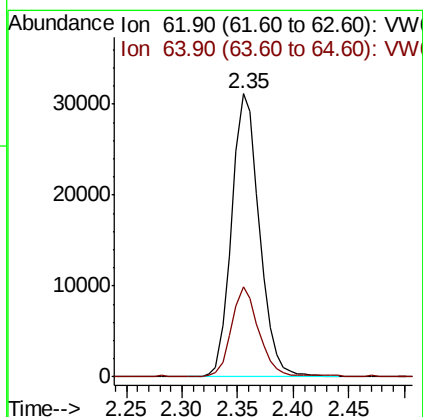
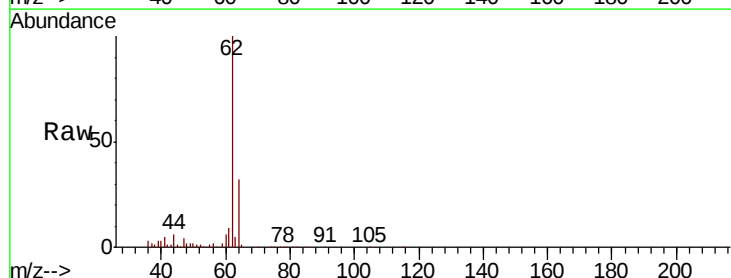
Acq: 02 Aug 2019 23:32

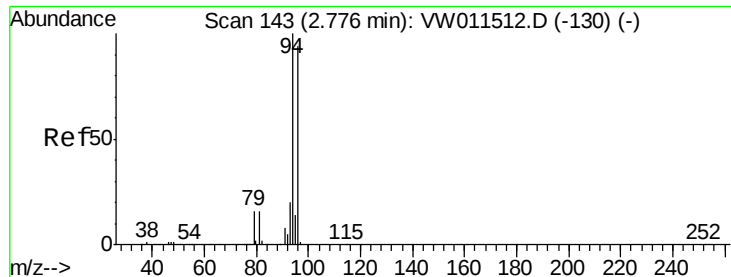
Tgt Ion: 62 Resp: 53914

Ion Ratio Lower Upper

62 100

64 31.4 25.0 37.4





#5

Bromomethane

Concen: 20.743 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011636.D

Acq: 02 Aug 2019 23:32

Instrument :

MSVOA\_W

ClientSampleId :

VW0803SBS01

Tot Ion: 94 Resp: 29072

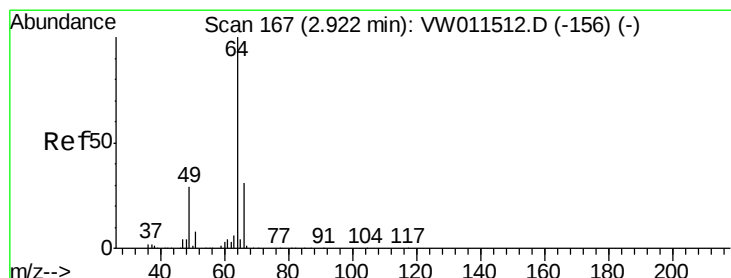
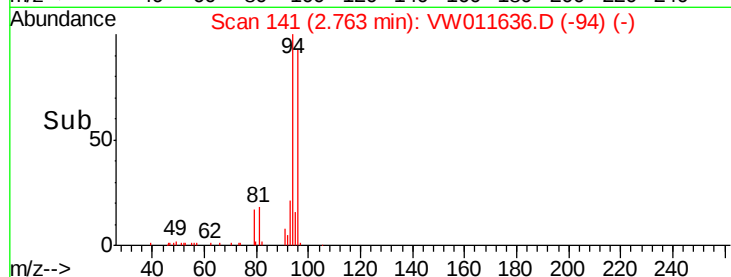
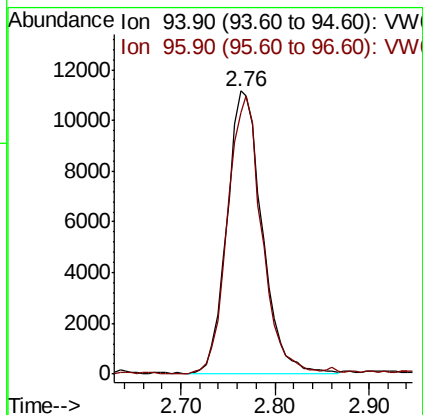
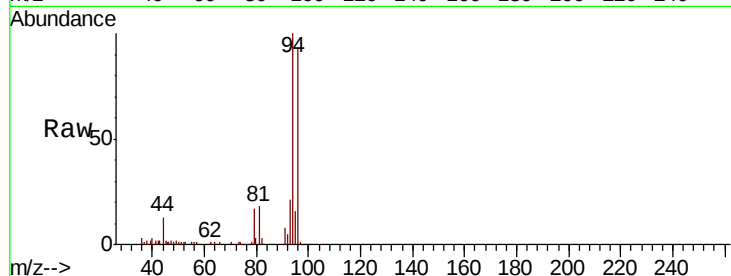
Ion Ratio Lower Upper

94 100

96 92.5 75.0 112.6

Manual Integrations  
APPROVED

MMDadoda  
8/6/2019 9:20:00 AM



#6

Chloroethane

Concen: 20.207 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW011636.D

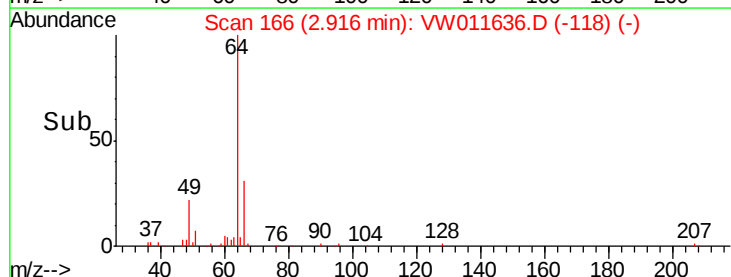
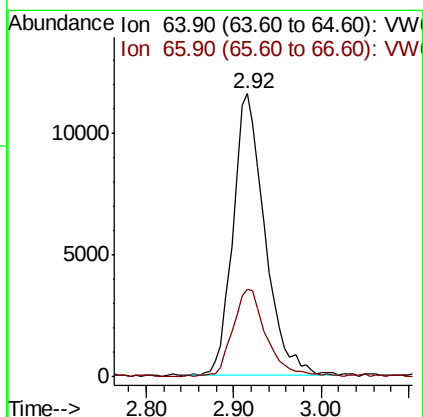
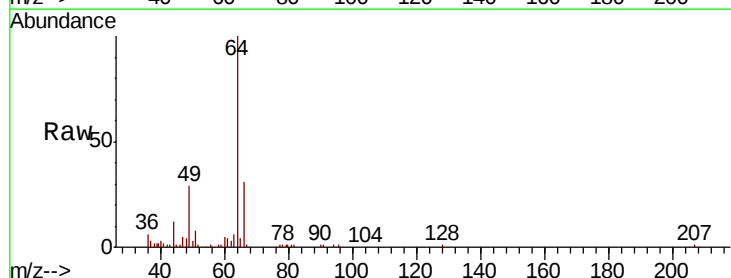
Acq: 02 Aug 2019 23:32

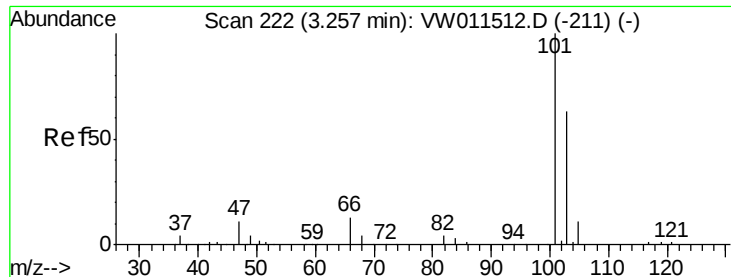
Tgt Ion: 64 Resp: 29227

Ion Ratio Lower Upper

64 100

66 30.5 24.6 36.8





#7

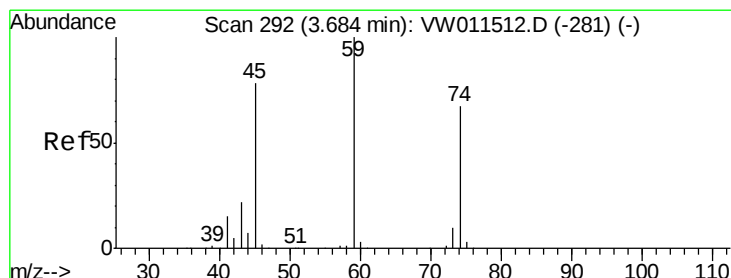
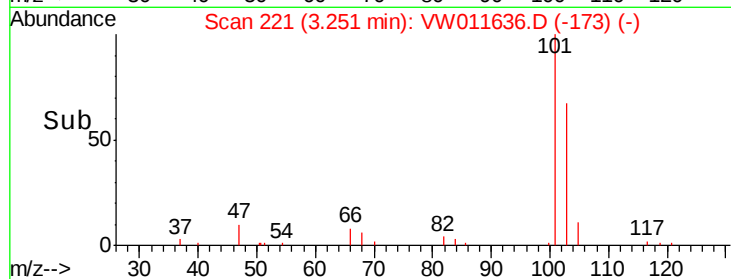
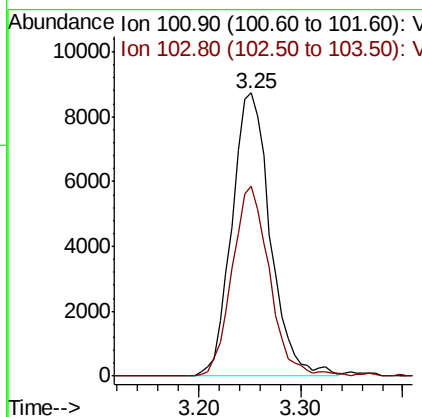
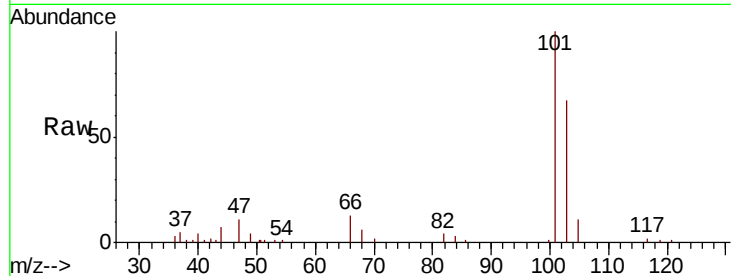
Trichlorofluoromethane  
 Concen: 20.147 ug/l  
 RT: 3.25 min Scan# 221  
 Delta R.T. -0.01 min  
 Lab File: VW011636.D  
 Acq: 02 Aug 2019 23:32

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VW0803SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 66.9  | 50.2  | 75.4  |

Manual Integrations  
 APPROVED

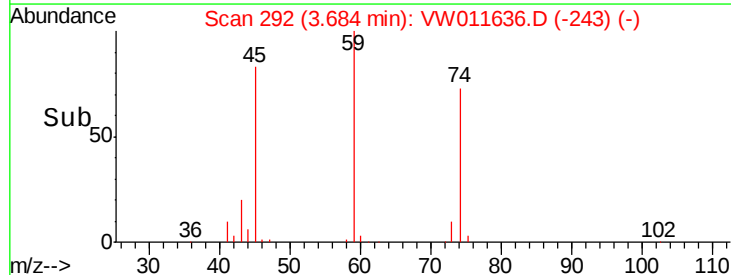
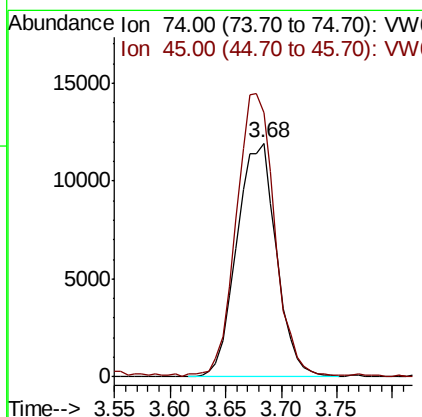
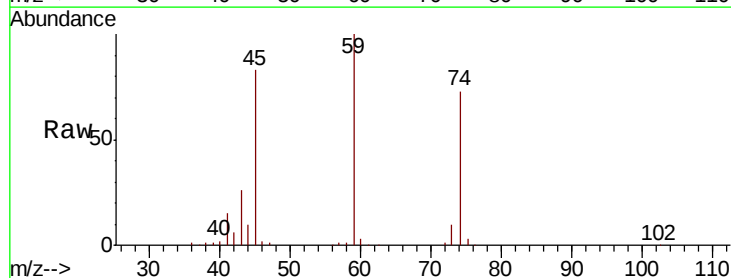
MMDadoda  
 8/6/2019 9:20:00 AM

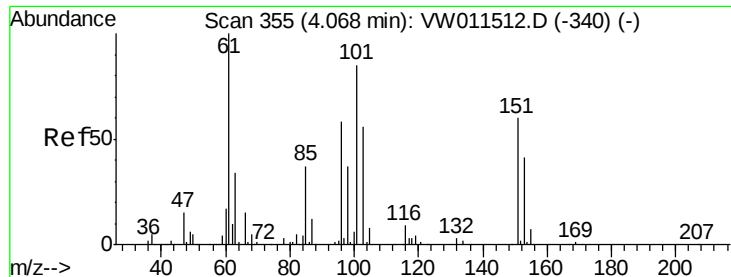


#8

Diethyl Ether  
 Concen: 22.956 ug/l  
 RT: 3.68 min Scan# 292  
 Delta R.T. -0.00 min  
 Lab File: VW011636.D  
 Acq: 02 Aug 2019 23:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 117.0 | 59.6  | 178.8 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.786 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011636.D

Acq: 02 Aug 2019 23:32

Instrument :

MSVOA\_W

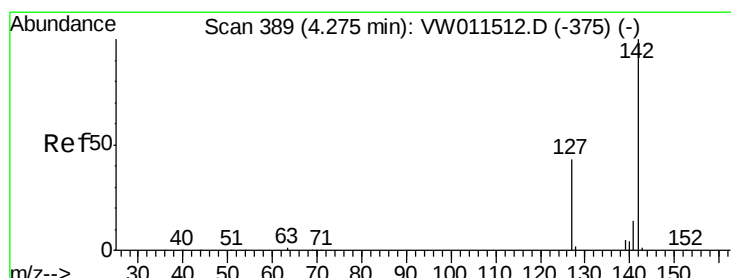
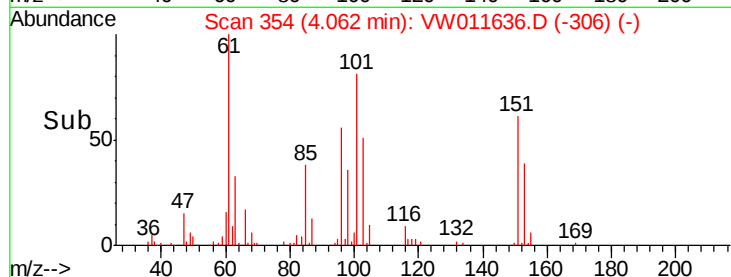
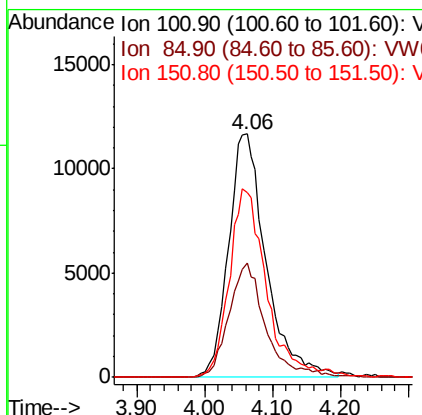
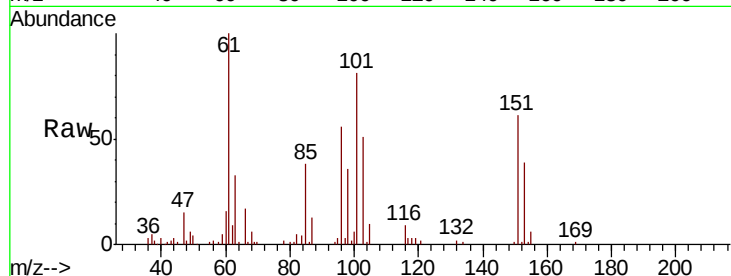
ClientSampleId :

VW0803SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 44619 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 45.7  | 36.6  | 54.8  |
| 151       | 75.6  | 60.2  | 90.2  |

Manual Integrations  
APPROVED

MMDadoda  
8/6/2019 9:20:00 AM



#10

Methyl Iodide

Concen: 21.485 ug/l

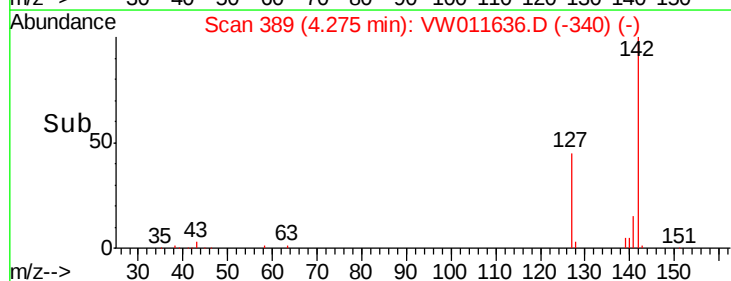
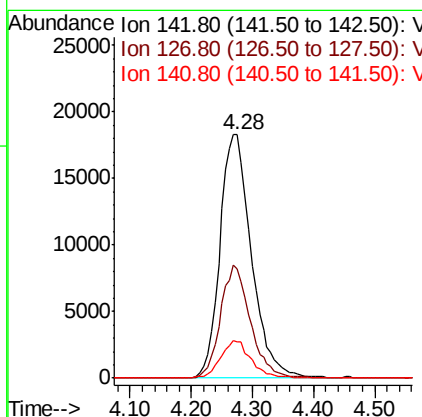
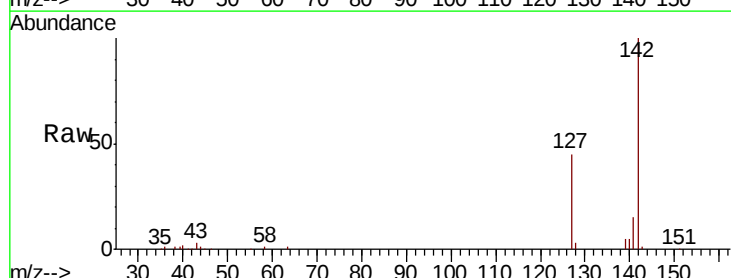
RT: 4.28 min Scan# 389

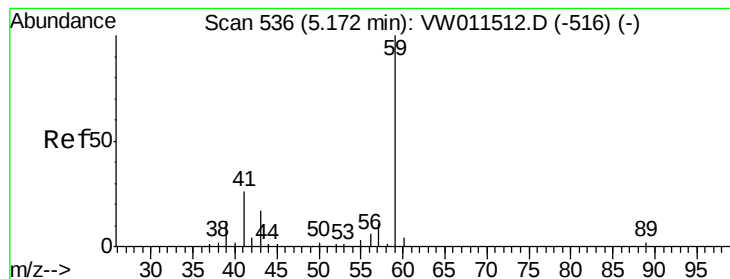
Delta R.T. -0.00 min

Lab File: VW011636.D

Acq: 02 Aug 2019 23:32

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 65176 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 43.9  | 35.0  | 52.6  |
| 141       | 14.8  | 11.9  | 17.9  |





#11

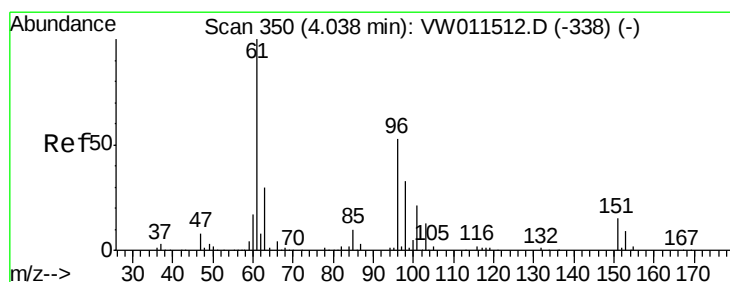
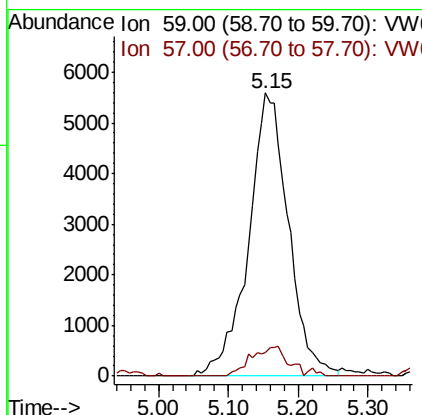
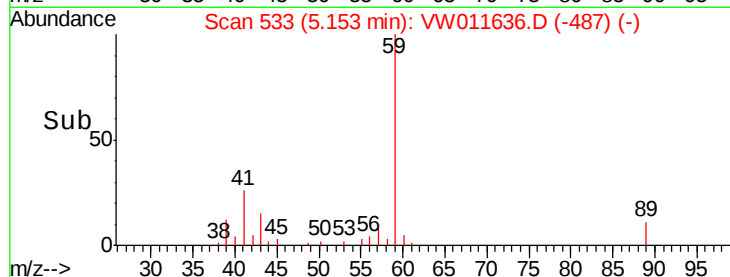
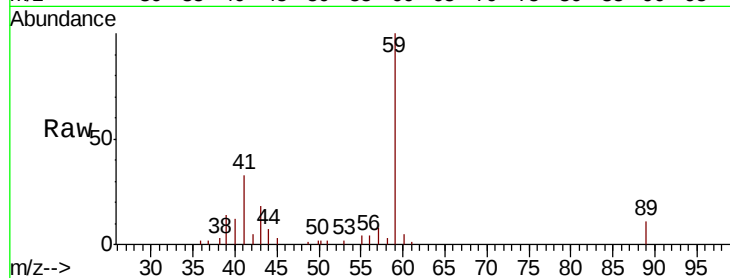
Tert butyl alcohol  
 Concen: 110.710 ug/l  
 RT: 5.15 min Scan# 533  
 Delta R.T. -0.02 min  
 Lab File: VW011636.D  
 Acq: 02 Aug 2019 23:32

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0803SBS01

| Tot Ion | Ion | Ratio | Resp  | Lower | Upper |
|---------|-----|-------|-------|-------|-------|
| 59      | 59  | 100   | 22250 |       |       |
| 57      | 57  | 9.5   |       | 8.5   | 12.7  |

Manual Integrations  
 APPROVED

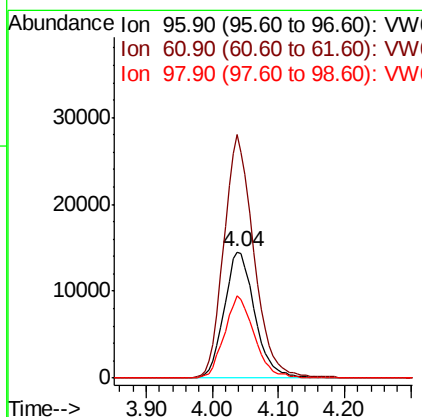
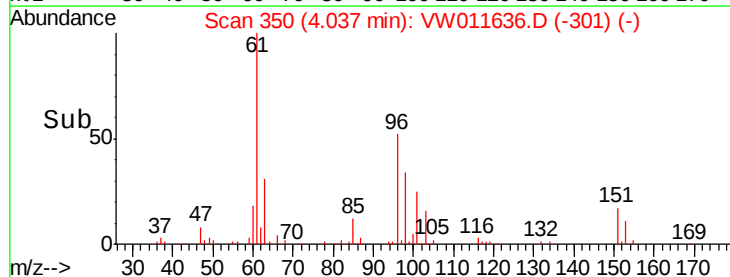
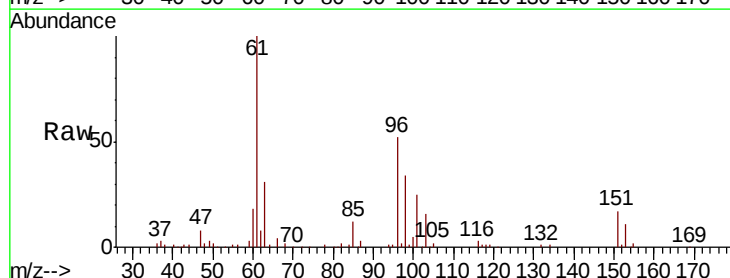
MMDadoda  
 8/6/2019 9:20:00 AM

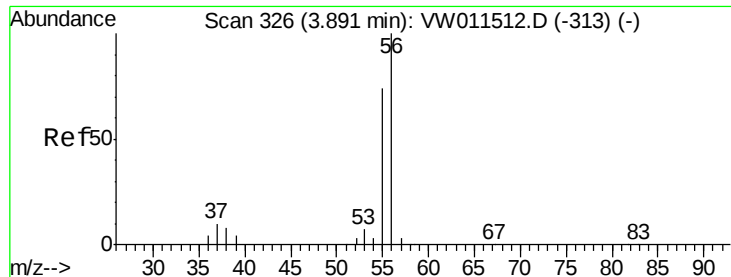


#12

1,1-Dichloroethene  
 Concen: 20.604 ug/l  
 RT: 4.04 min Scan# 350  
 Delta R.T. -0.00 min  
 Lab File: VW011636.D  
 Acq: 02 Aug 2019 23:32

| Tgt Ion | Ion | Ratio | Resp  | Lower | Upper |
|---------|-----|-------|-------|-------|-------|
| 96      | 96  | 100   | 46699 |       |       |
| 61      | 61  | 192.8 |       | 149.9 | 224.9 |
| 98      | 98  | 65.4  |       | 49.1  | 73.7  |





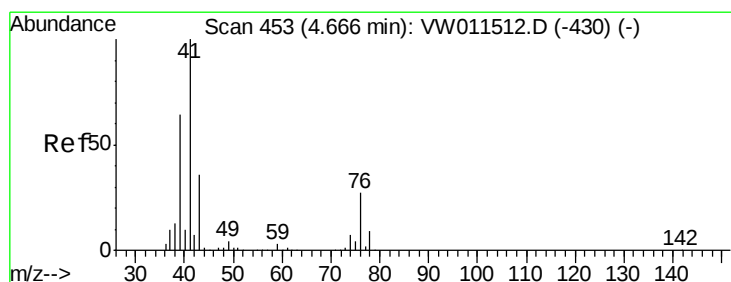
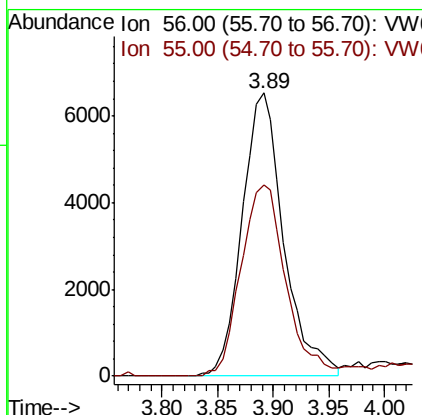
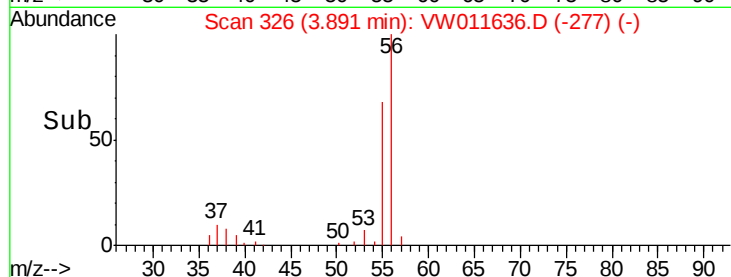
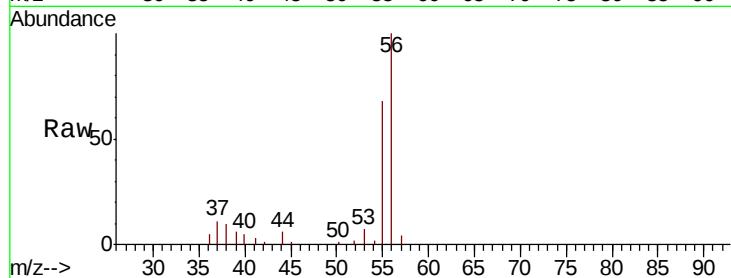
#13  
Acrolein  
Concen: 94.825 ug/l  
RT: 3.89 min Scan# 326  
Delta R.T. -0.00 min  
Lab File: VW011636.D  
Acq: 02 Aug 2019 23:32

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0803SBS01

| Tot Ion   | 56   | Resp  | 17003 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 56        | 100  |       |       |
| 55        | 72.5 | 56.0  | 84.0  |

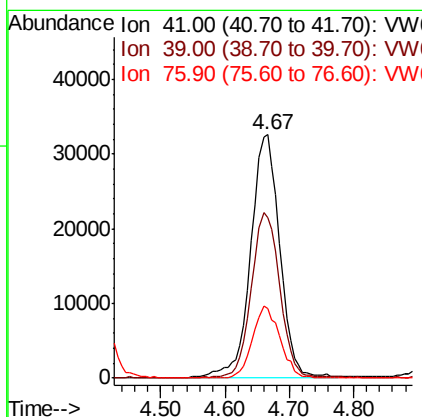
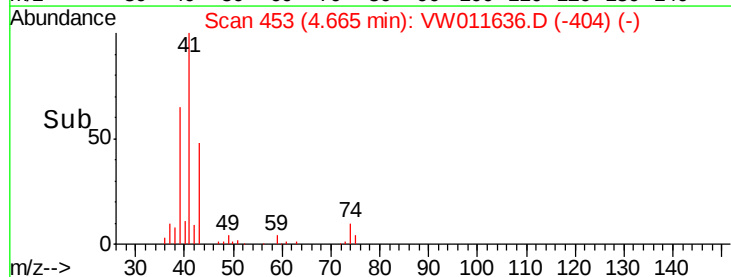
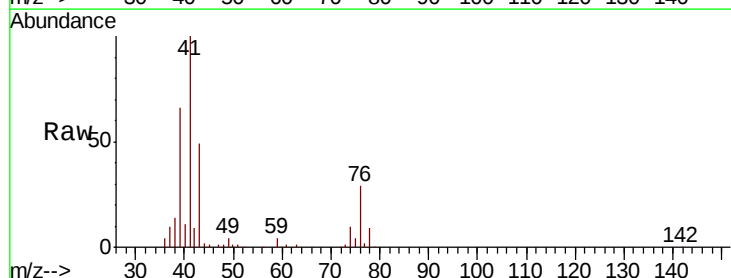
Manual Integrations  
APPROVED

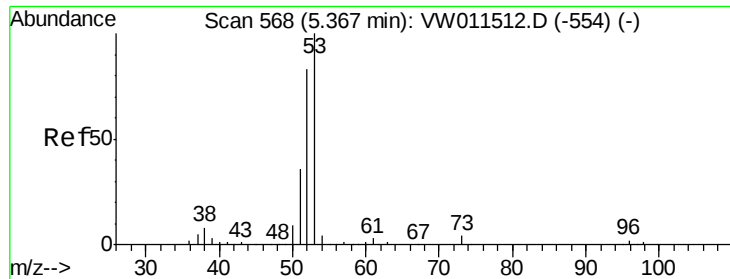
MMDadoda  
8/6/2019 9:20:00 AM



#14  
Allyl chloride  
Concen: 21.004 ug/l  
RT: 4.67 min Scan# 453  
Delta R.T. -0.00 min  
Lab File: VW011636.D  
Acq: 02 Aug 2019 23:32

| Tgt Ion   | 41   | Resp  | 101251 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 41        | 100  |       |        |
| 39        | 66.9 | 52.6  | 78.8   |
| 76        | 27.8 | 22.0  | 33.0   |





#15

Acrylonitrile

Concen: 115.030 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW011636.D

Acq: 02 Aug 2019 23:32

Instrument :

MSVOA\_W

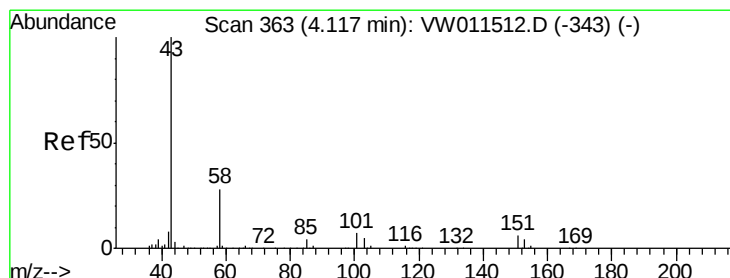
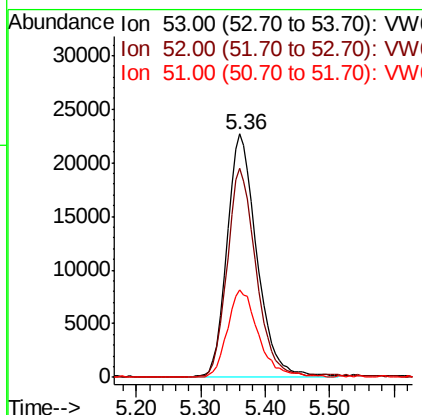
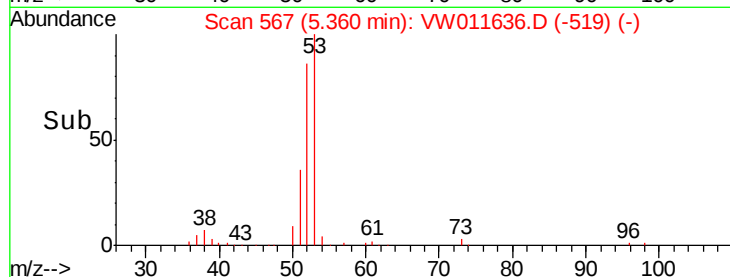
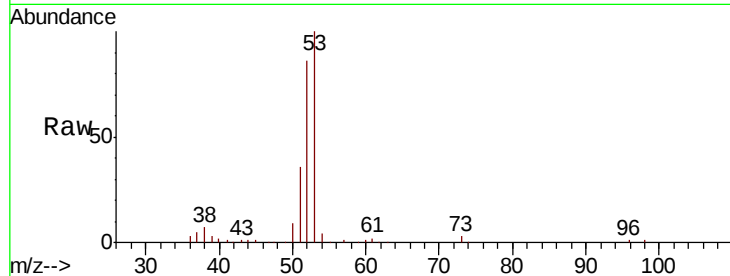
ClientSampleId :

VW0803SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 73674 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 83.0  | 67.2  | 100.8 |
| 51       | 37.6  | 30.0  | 45.0  |

Manual Integrations  
APPROVED

MMDadoda  
8/6/2019 9:20:00 AM



#16

Acetone

Concen: 84.718 ug/l

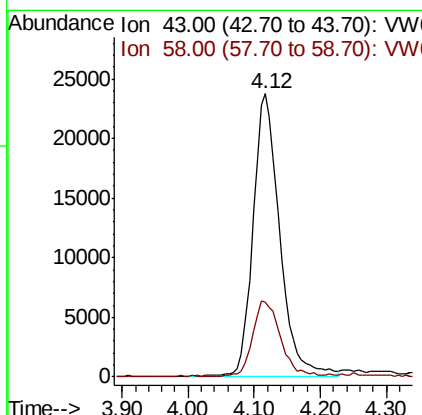
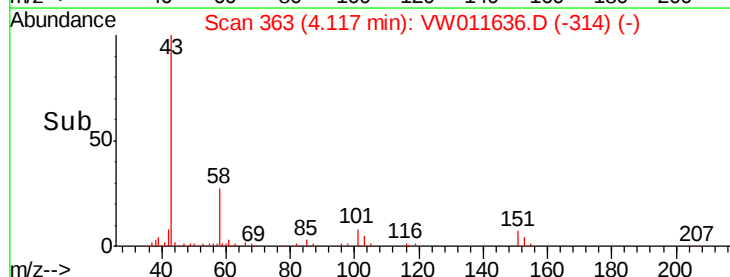
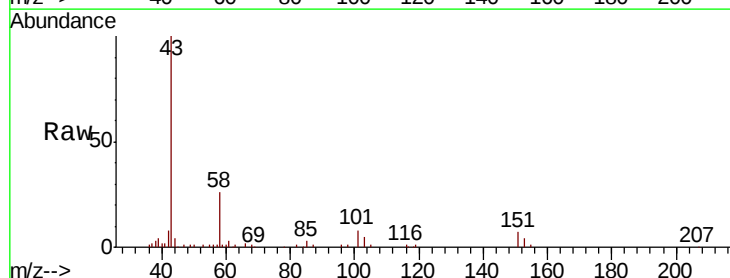
RT: 4.12 min Scan# 363

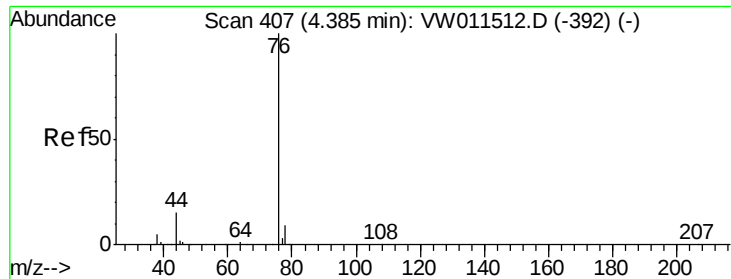
Delta R.T. -0.00 min

Lab File: VW011636.D

Acq: 02 Aug 2019 23:32

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 67344 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 26.4  | 22.3  | 33.5  |





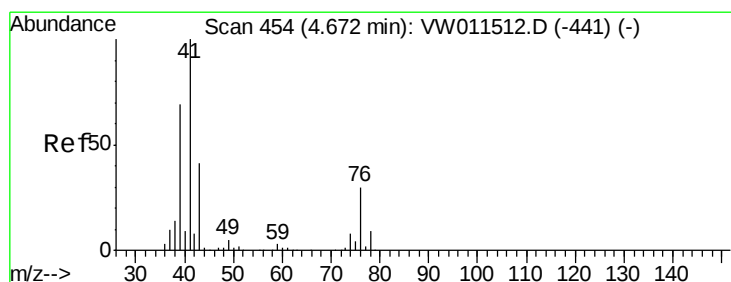
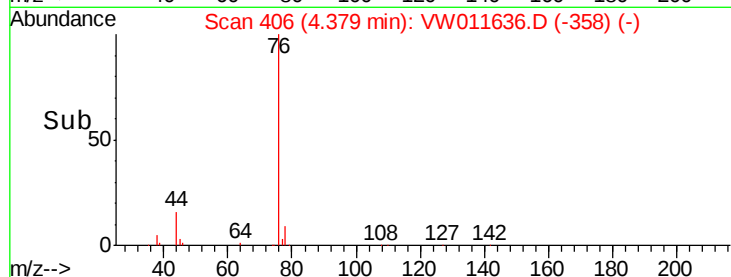
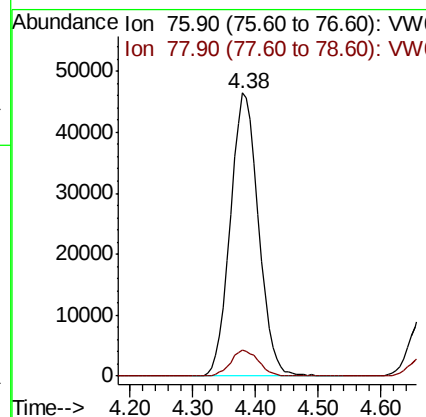
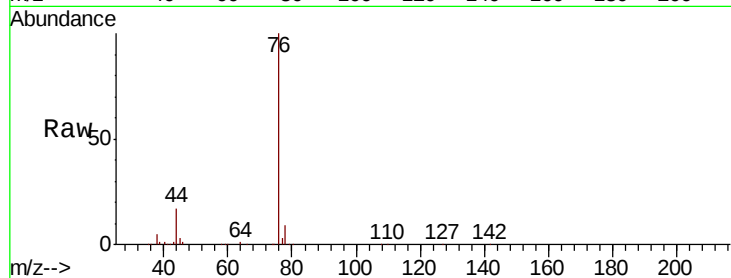
#17  
Carbon Disulfide  
Concen: 20.358 ug/l  
RT: 4.38 min Scan# 406  
Delta R.T. -0.01 min  
Lab File: VW011636.D  
Acq: 02 Aug 2019 23:32

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0803SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.2   | 7.1   | 10.7  |

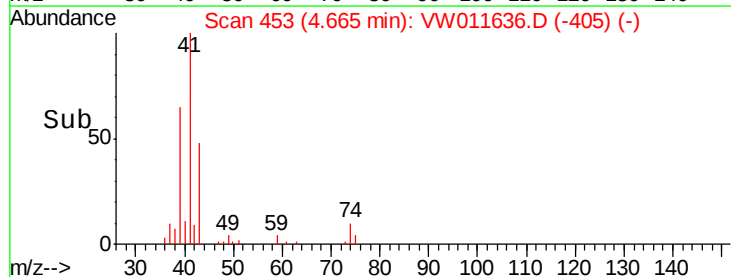
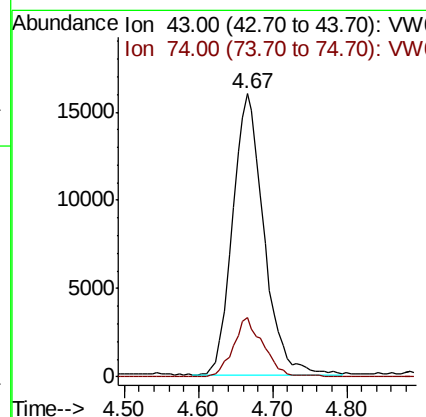
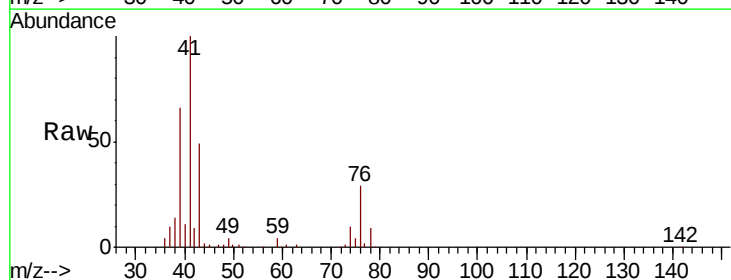
Manual Integrations  
APPROVED

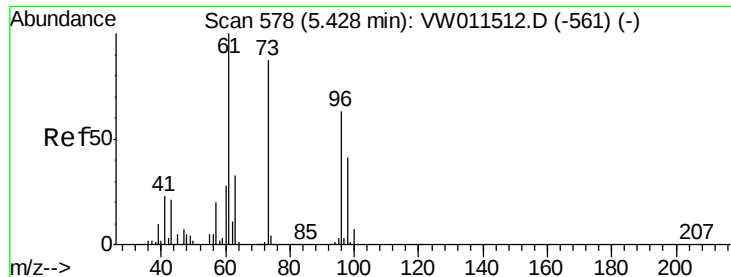
MMDadoda  
8/6/2019 9:20:00 AM



#18  
Methyl Acetate  
Concen: 26.242 ug/l  
RT: 4.67 min Scan# 453  
Delta R.T. -0.01 min  
Lab File: VW011636.D  
Acq: 02 Aug 2019 23:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 20.3  | 15.9  | 23.9  |





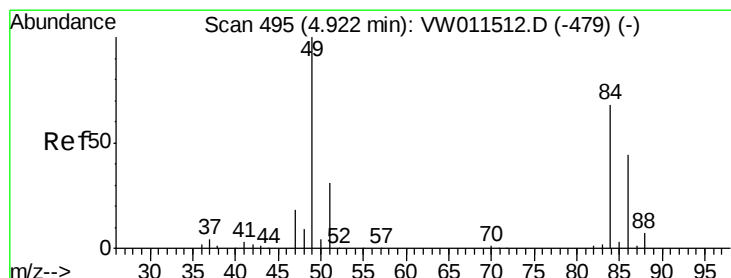
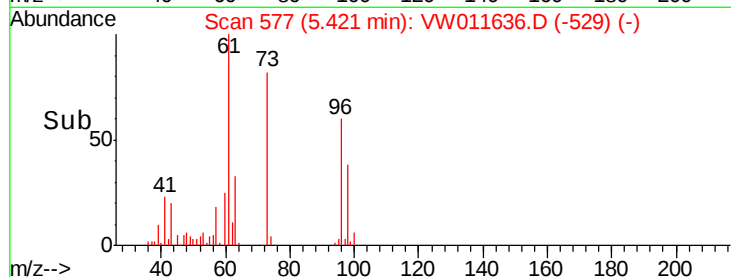
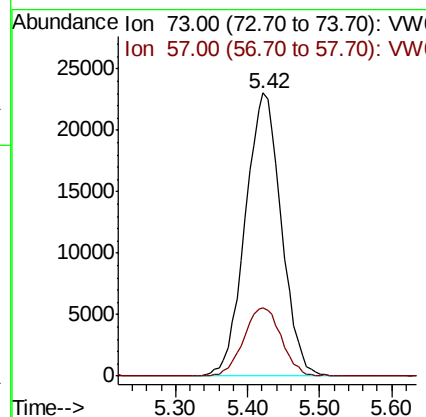
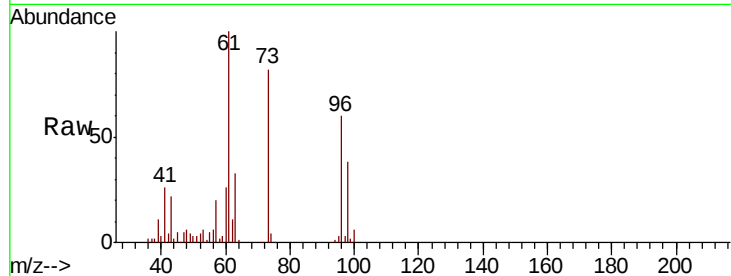
#19  
Methyl tert-butyl Ether  
Concen: 22.220 ug/l  
RT: 5.42 min Scan# 577  
Delta R.T. -0.01 min  
Lab File: VW011636.D  
Acq: 02 Aug 2019 23:32

Instrument :  
MSVOA\_W  
ClientSampled :  
VW0803SBS01

Tot Ion: 73 Resp: 79919  
Ion Ratio Lower Upper  
73 100  
57 23.9 18.4 27.6

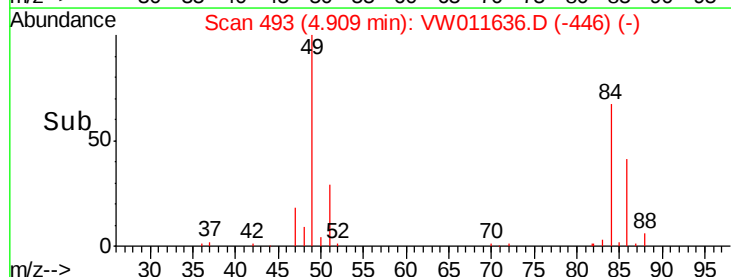
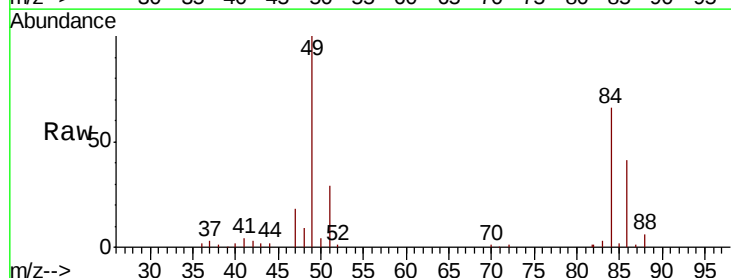
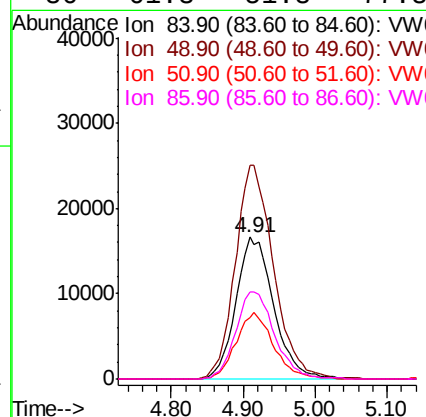
Manual Integrations  
APPROVED

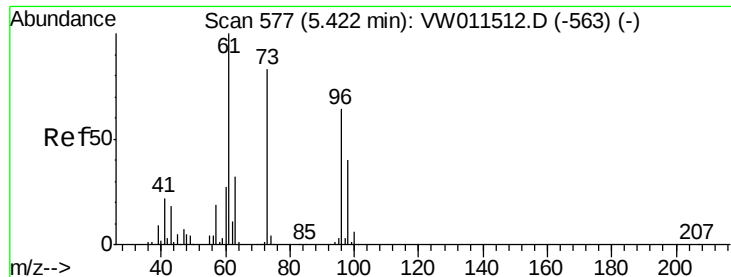
MMDadoda  
8/6/2019 9:20:00 AM



#20  
Methylene Chloride  
Concen: 22.103 ug/l  
RT: 4.91 min Scan# 493  
Delta R.T. -0.01 min  
Lab File: VW011636.D  
Acq: 02 Aug 2019 23:32

Tgt Ion: 84 Resp: 60596  
Ion Ratio Lower Upper  
84 100  
49 150.6 117.8 176.6  
51 43.4 37.0 55.4  
86 61.3 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 21.471 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW011636.D

Acq: 02 Aug 2019 23:32

Instrument :

MSVOA\_W

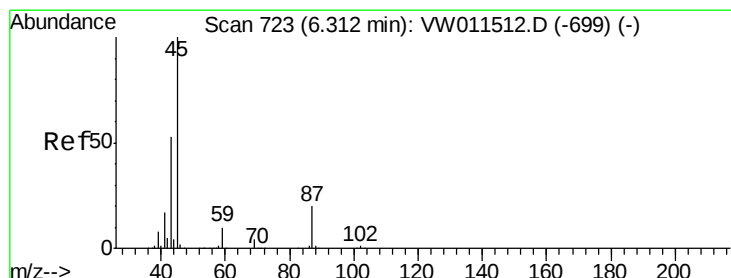
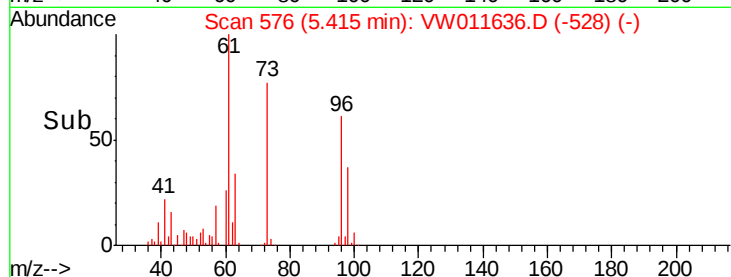
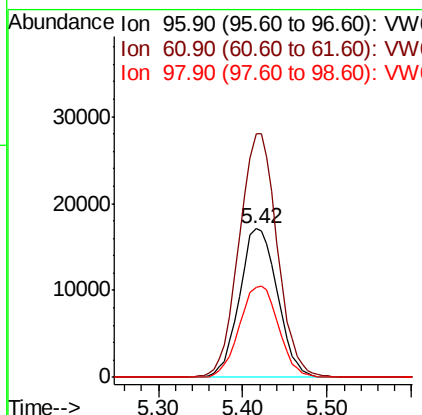
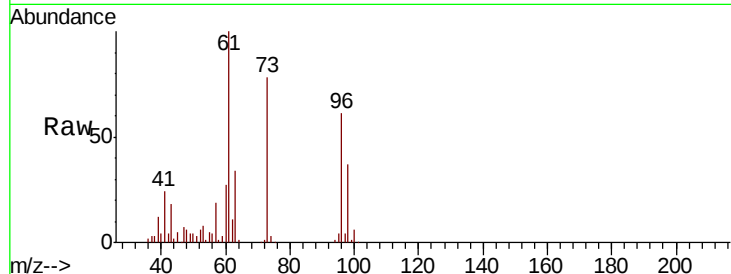
ClientSampleId :

VW0803SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 52466 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 164.0 | 125.7 | 188.5 |
| 98       | 60.5  | 50.3  | 75.5  |

Manual Integrations  
APPROVED

MMDadoda  
8/6/2019 9:20:00 AM



#22

Diisopropyl ether

Concen: 22.812 ug/l

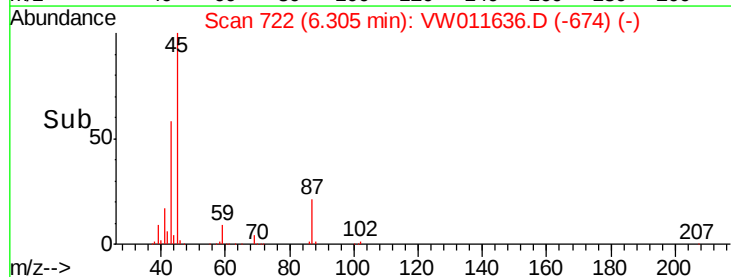
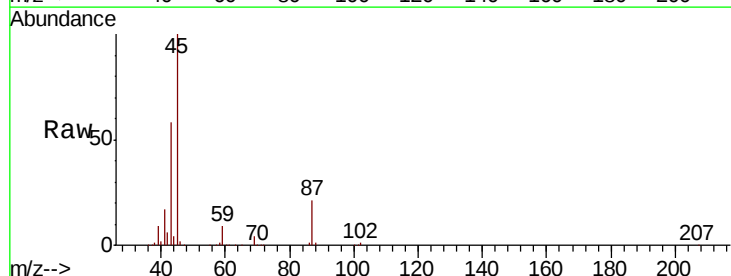
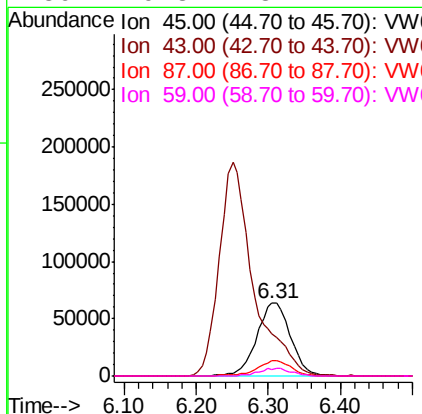
RT: 6.31 min Scan# 722

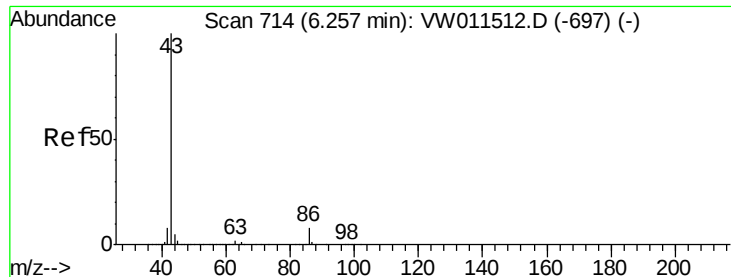
Delta R.T. -0.01 min

Lab File: VW011636.D

Acq: 02 Aug 2019 23:32

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 207333 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 57.4  | 42.6  | 63.8   |
| 87       | 20.9  | 16.4  | 24.6   |
| 59       | 9.3   | 8.2   | 12.2   |





#23

Vinyl Acetate

Concen: 108.058 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011636.D

Acq: 02 Aug 2019 23:32

Instrument :

MSVOA\_W

ClientSampleId :

VW0803SBS01

Tot Ion: 43 Resp: 617112

Ion Ratio Lower Upper

43 100

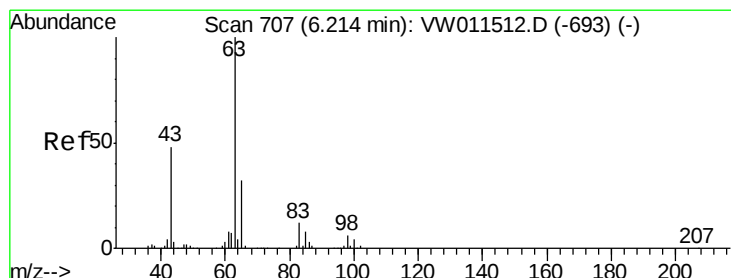
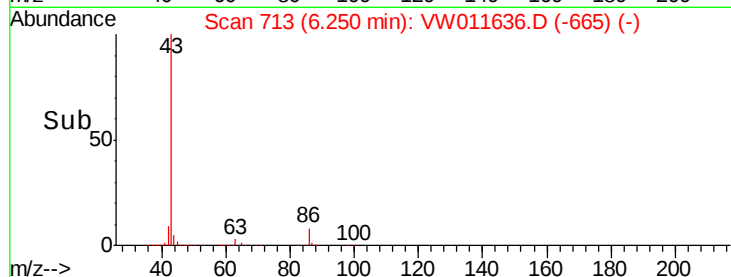
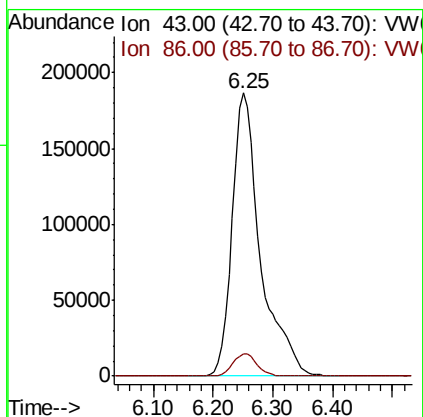
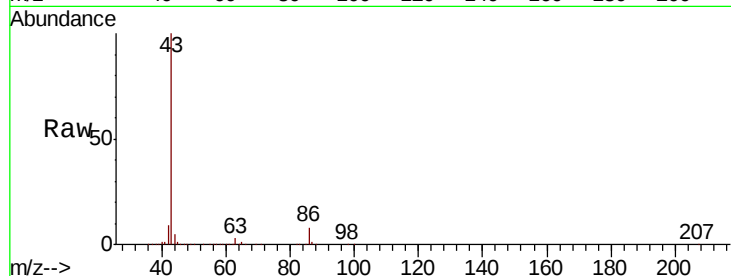
86 7.9 6.5 9.7

Manual Integrations

APPROVED

MMDadoda

8/6/2019 9:20:00 AM



#24

1,1-Dichloroethane

Concen: 22.442 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW011636.D

Acq: 02 Aug 2019 23:32

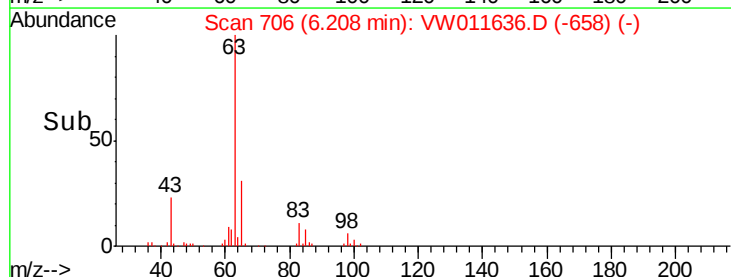
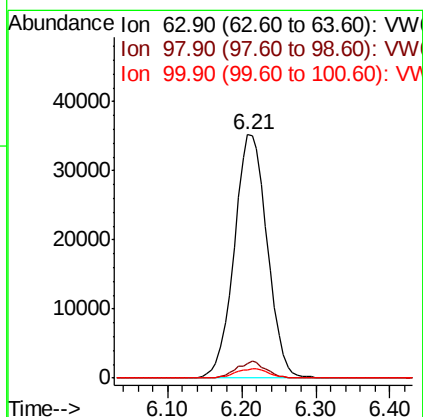
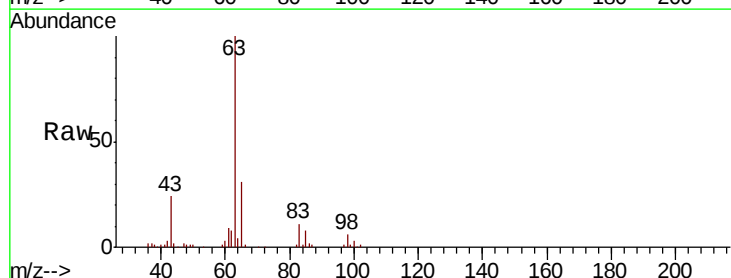
Tgt Ion: 63 Resp: 109237

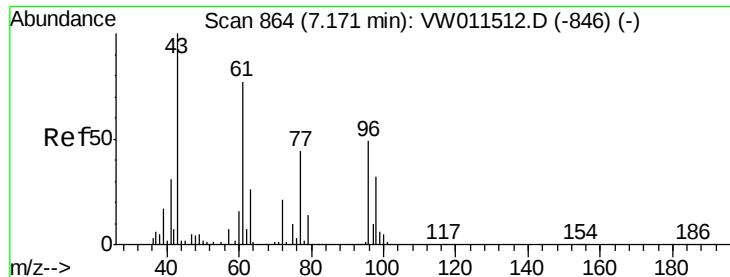
Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.8

100 3.2 2.1 6.3





#25

2-Butanone

Concen: 102.655 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW011636.D

Acq: 02 Aug 2019 23:32

Instrument :

MSVOA\_W

ClientSampled :

VW0803SBS01

Tot Ion: 43 Resp: 106780

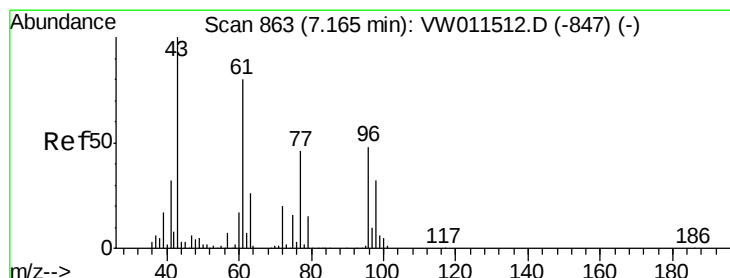
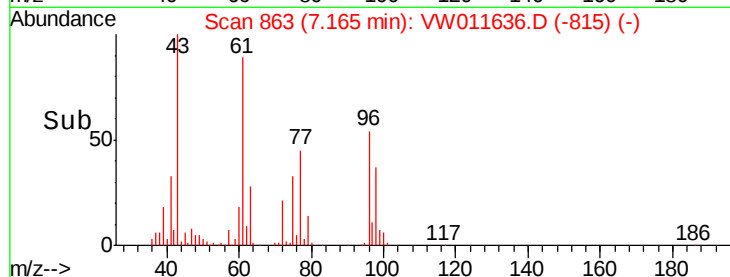
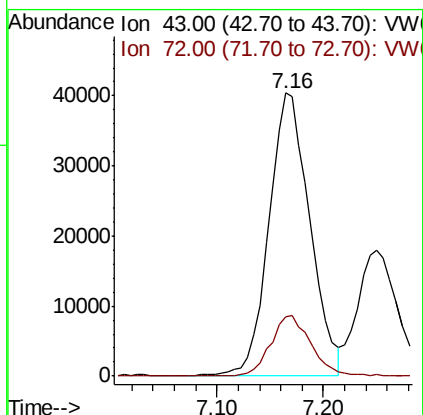
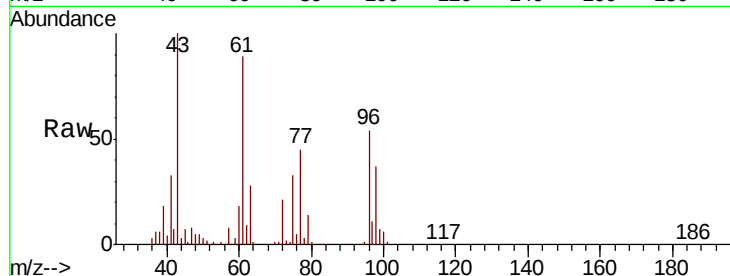
Ion Ratio Lower Upper

43 100

72 20.9 16.6 24.8

Manual Integrations  
APPROVED

MMDadoda  
8/6/2019 9:20:00 AM



#26

2,2-Dichloropropane

Concen: 18.919 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011636.D

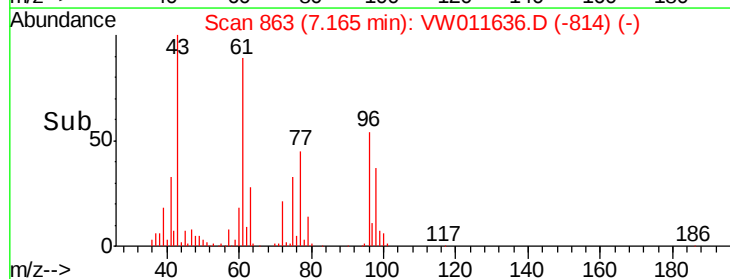
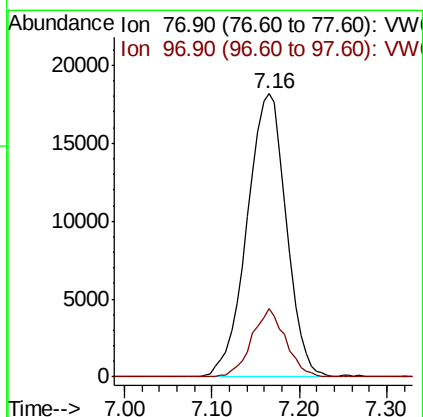
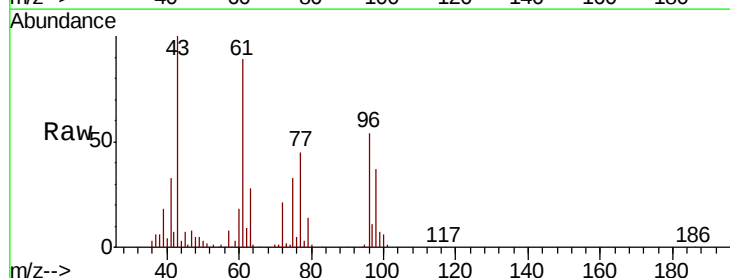
Acq: 02 Aug 2019 23:32

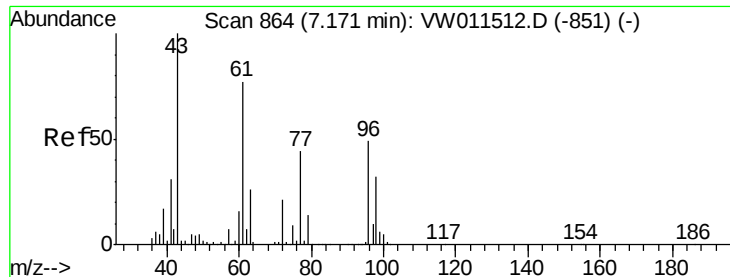
Tgt Ion: 77 Resp: 56634

Ion Ratio Lower Upper

77 100

97 20.8 10.8 32.4





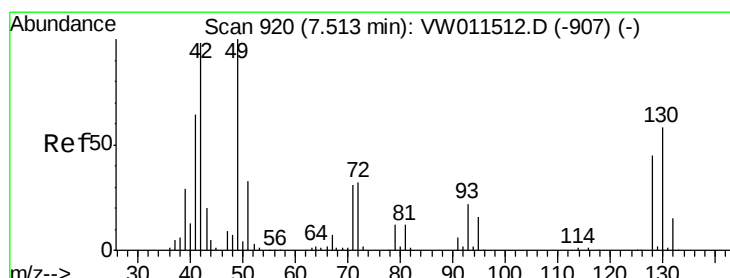
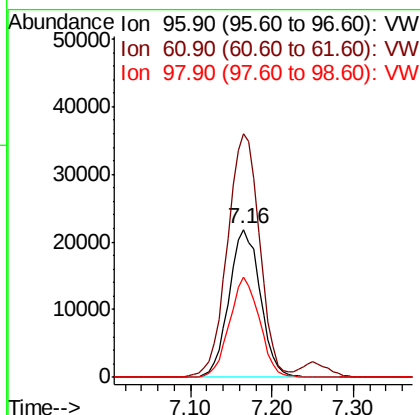
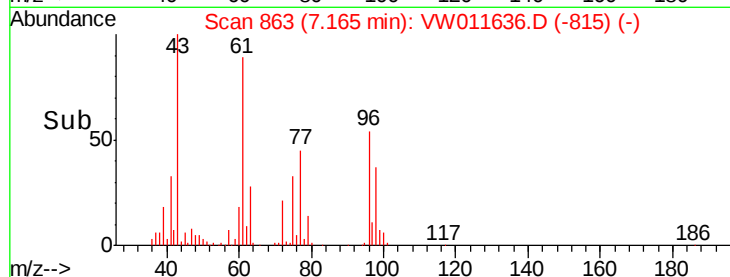
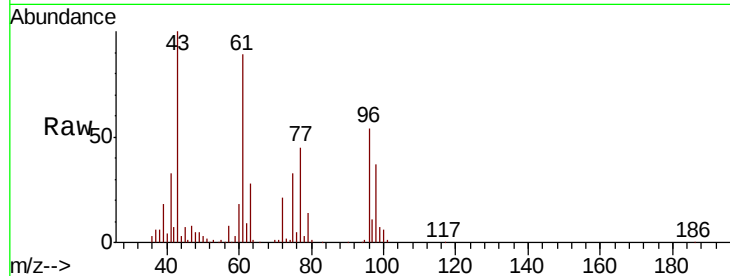
#27  
 cis-1,2-Dichloroethene  
 Concen: 21.468 ug/l  
 RT: 7.16 min Scan# 863  
 Delta R.T. -0.01 min  
 Lab File: VW011636.D  
 Acq: 02 Aug 2019 23:32

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0803SBS01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 96      | 100   | 57734 |       |       |
| 61      | 169.3 | 0.0   | 328.4 |       |
| 98      | 65.5  | 0.0   | 128.8 |       |

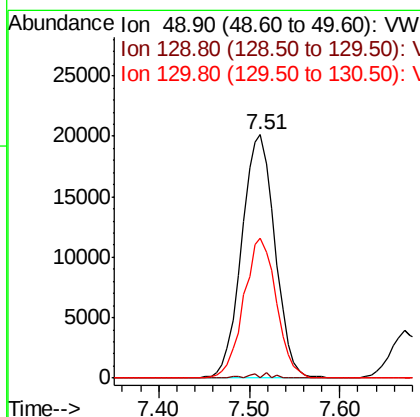
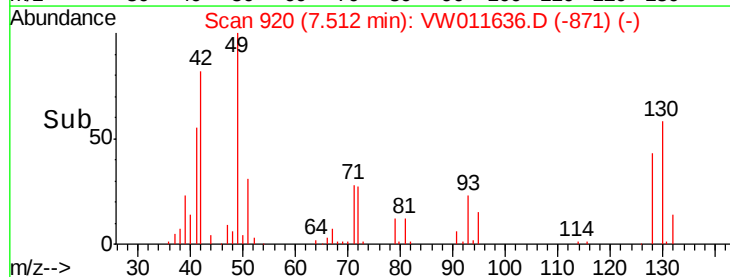
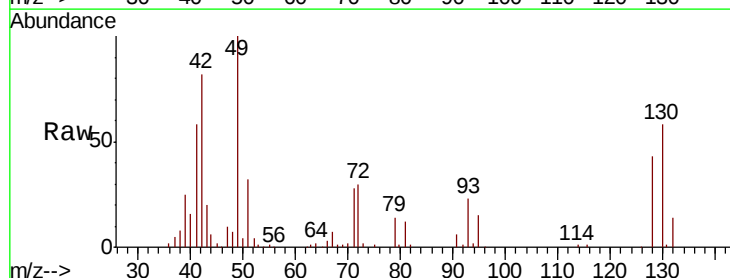
Manual Integrations  
 APPROVED

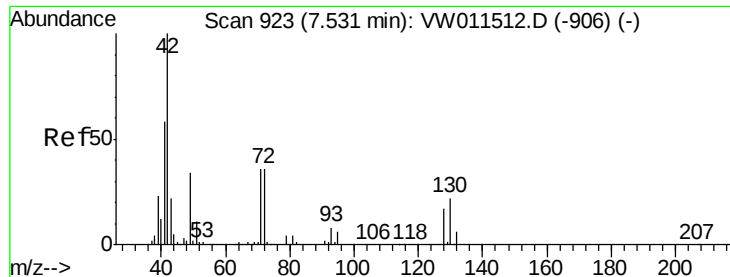
MMDadoda  
 8/6/2019 9:20:00 AM



#28  
 Bromochloromethane  
 Concen: 23.663 ug/l  
 RT: 7.51 min Scan# 920  
 Delta R.T. -0.00 min  
 Lab File: VW011636.D  
 Acq: 02 Aug 2019 23:32

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 49      | 100   | 51126 |       |       |
| 129     | 0.5   | 0.0   | 1.0   |       |
| 130     | 56.4  | 46.3  | 69.5  |       |





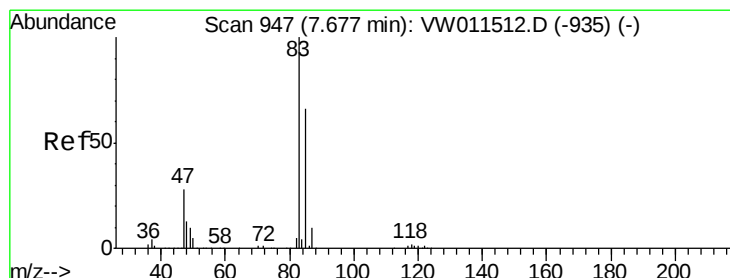
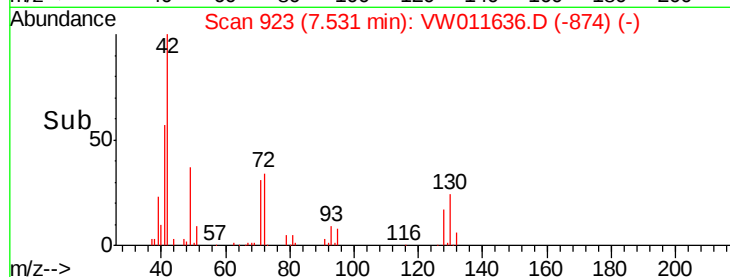
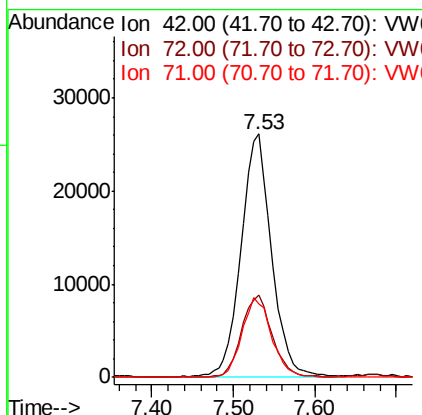
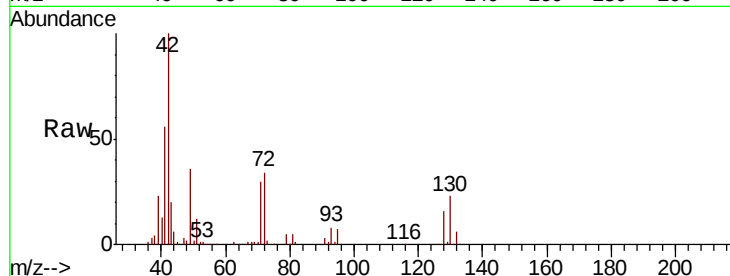
#29  
Tetrahydrofuran  
Concen: 114.687 ug/l  
RT: 7.53 min Scan# 923  
Delta R.T. -0.00 min  
Lab File: VW011636.D  
Acq: 02 Aug 2019 23:32

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0803SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 33.8  | 27.1  | 40.7  |
| 71      | 32.0  | 26.2  | 39.4  |

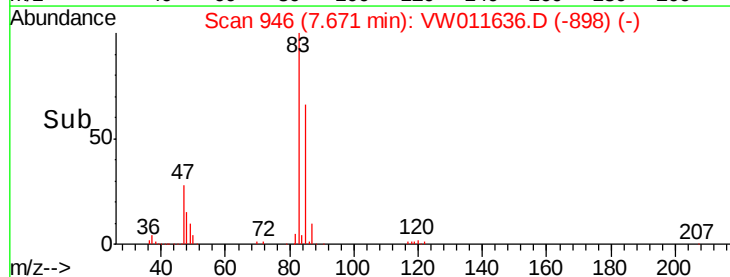
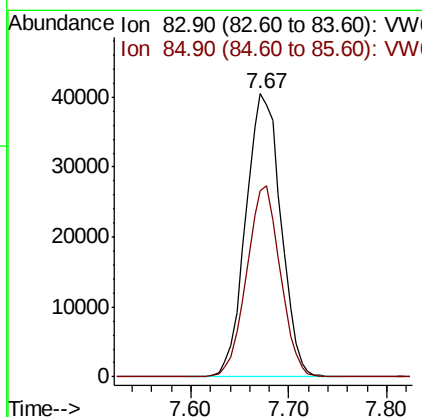
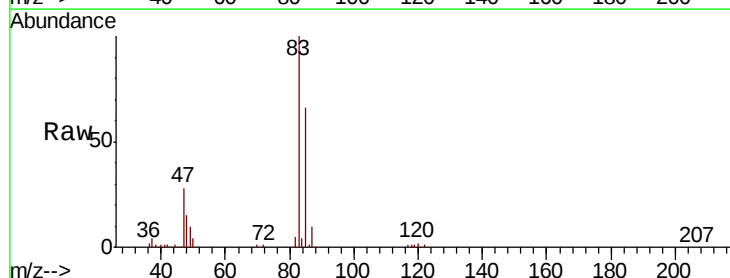
Manual Integrations  
APPROVED

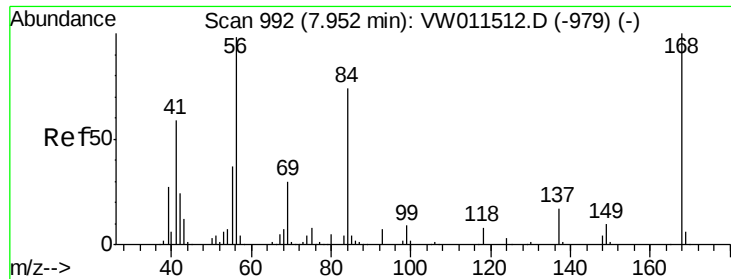
MMDadoda  
8/6/2019 9:20:00 AM



#30  
Chloroform  
Concen: 22.454 ug/l  
RT: 7.67 min Scan# 946  
Delta R.T. -0.01 min  
Lab File: VW011636.D  
Acq: 02 Aug 2019 23:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.8  | 52.5  | 78.7  |





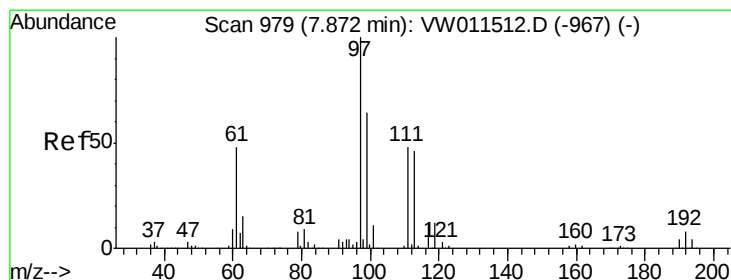
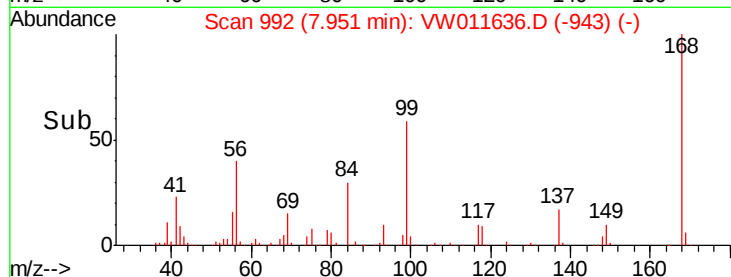
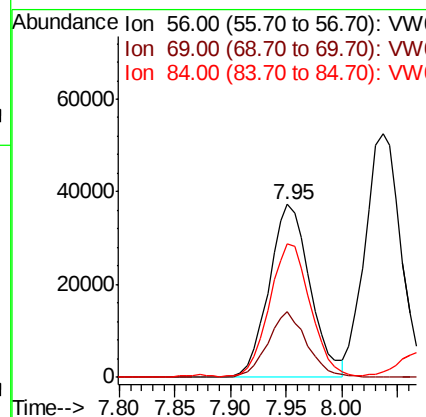
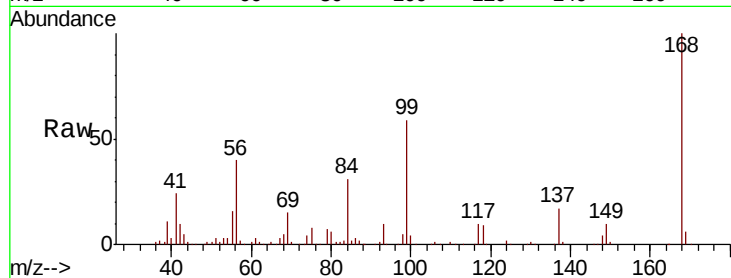
#31  
Cyclohexane  
Concen: 20.515 ug/l  
RT: 7.95 min Scan# 992  
Delta R.T. -0.00 min  
Lab File: VW011636.D  
Acq: 02 Aug 2019 23:32

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0803SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 37.7  | 24.3  | 36.5# |
| 84      | 75.9  | 60.4  | 90.6  |

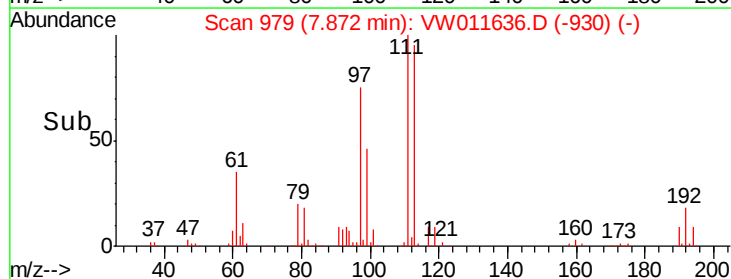
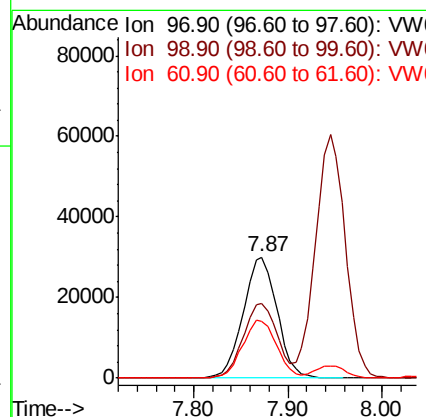
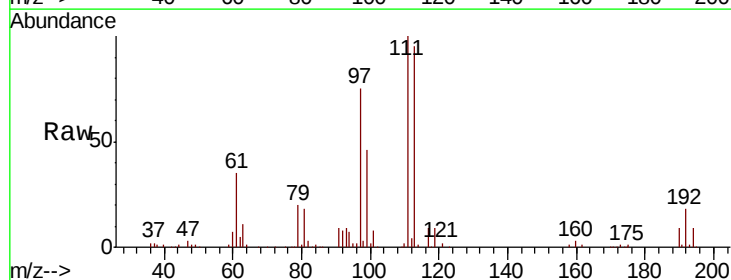
Manual Integrations  
APPROVED

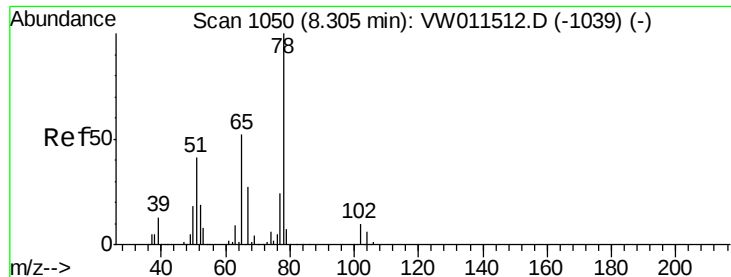
MMDadoda  
8/6/2019 9:20:00 AM



#32  
1,1,1-Trichloroethane  
Concen: 21.878 ug/l  
RT: 7.87 min Scan# 979  
Delta R.T. -0.00 min  
Lab File: VW011636.D  
Acq: 02 Aug 2019 23:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 61.8  | 51.0  | 76.6  |
| 61      | 48.9  | 39.8  | 59.6  |





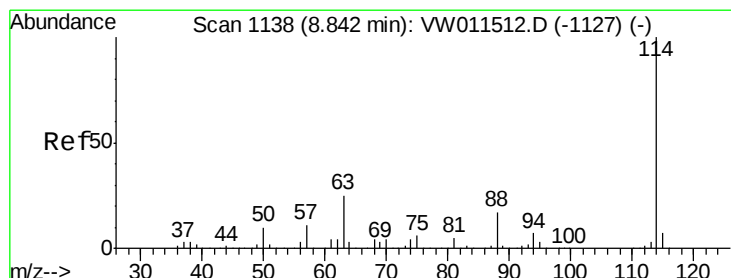
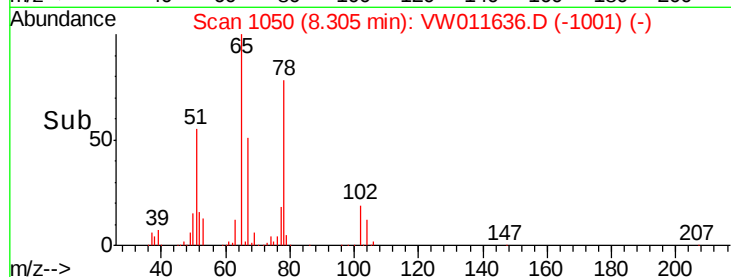
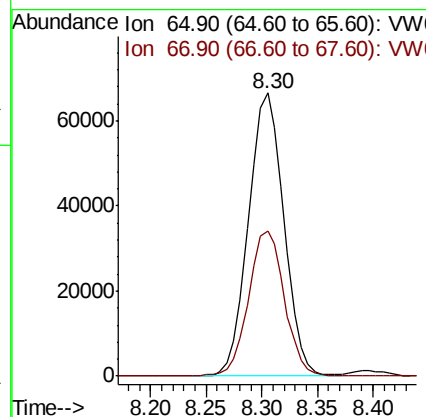
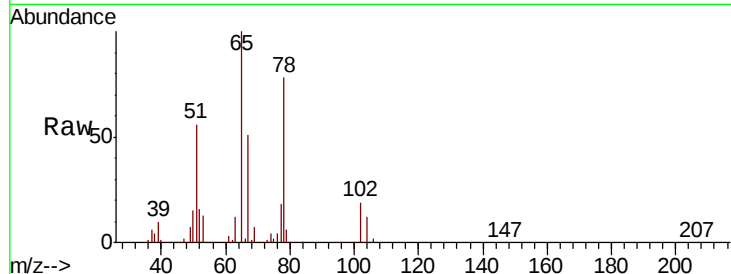
#33  
 1,2-Dichloroethane-d4  
 Concen: 59.087 ug/l  
 RT: 8.30 min Scan# 1050  
 Delta R.T. -0.00 min  
 Lab File: VW011636.D  
 Acq: 02 Aug 2019 23:32

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0803SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 147658 |       |       |
| 67      | 51.8  | 0.0    | 105.2 |       |

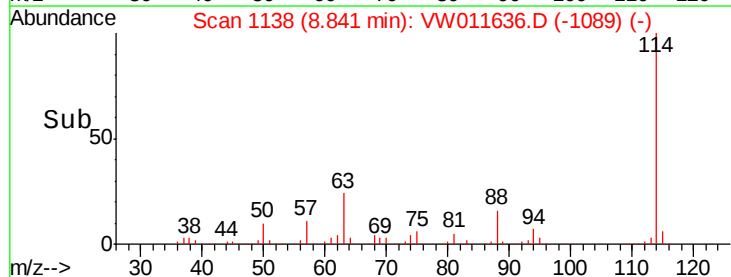
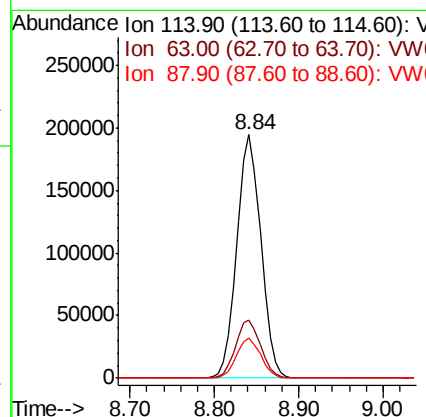
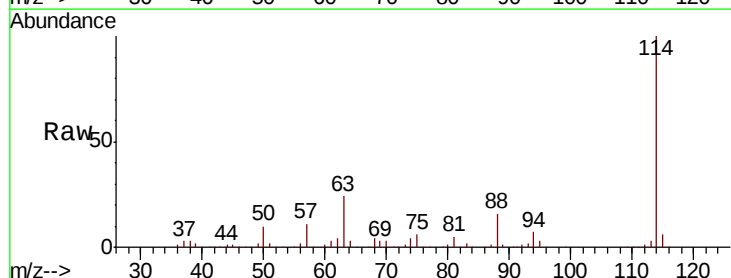
Manual Integrations  
 APPROVED

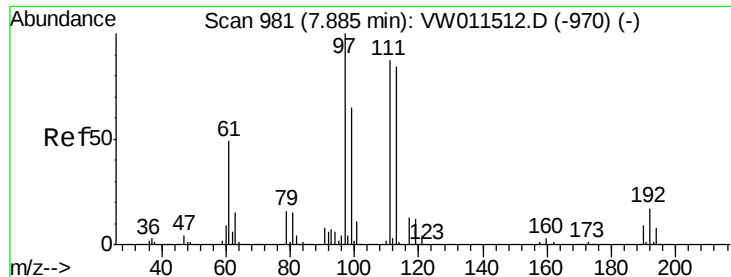
MMDadoda  
 8/6/2019 9:20:00 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW011636.D  
 Acq: 02 Aug 2019 23:32

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 375242 |       |       |
| 63      | 23.8  | 0.0    | 49.2  |       |
| 88      | 16.4  | 0.0    | 33.8  |       |





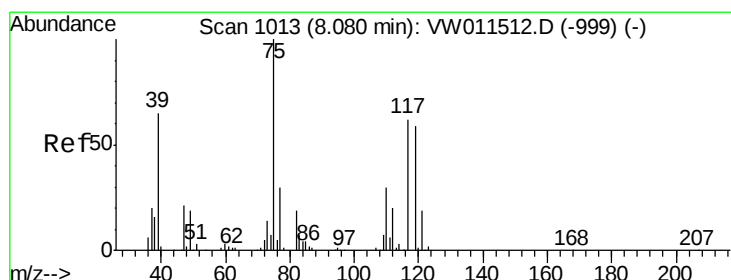
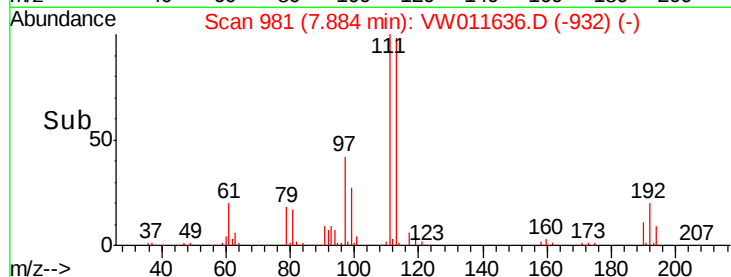
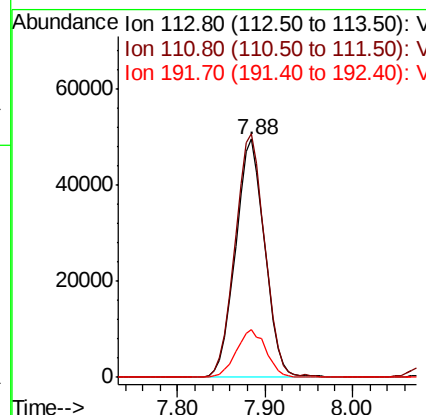
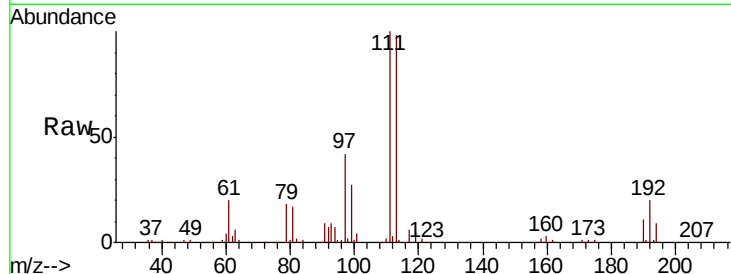
#35  
Dibromofluoromethane  
Concen: 54.495 ug/l  
RT: 7.88 min Scan# 981  
Delta R.T. -0.00 min  
Lab File: VW011636.D  
Acq: 02 Aug 2019 23:32

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0803SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 114721 |       |       |
| 111     | 103.7 | 82.7   | 124.1 |       |
| 192     | 20.3  | 16.1   | 24.1  |       |

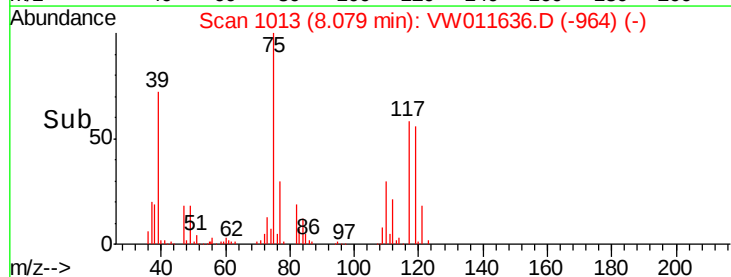
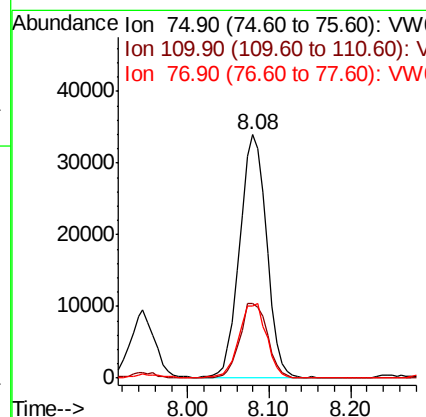
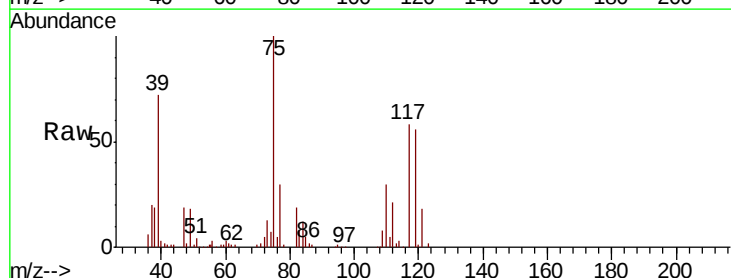
Manual Integrations  
APPROVED

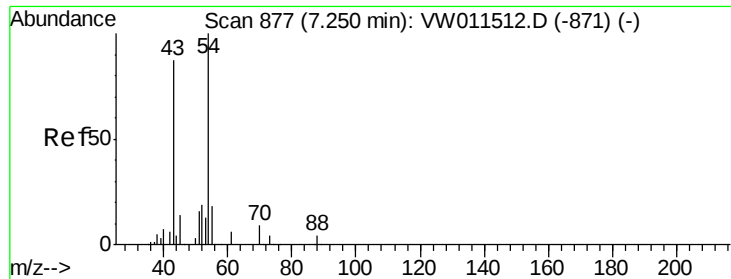
MMDadoda  
8/6/2019 9:20:00 AM



#36  
1,1-Dichloropropene  
Concen: 19.971 ug/l  
RT: 8.08 min Scan# 1013  
Delta R.T. -0.00 min  
Lab File: VW011636.D  
Acq: 02 Aug 2019 23:32

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 77923 |       |       |
| 110     | 31.2  | 15.6  | 46.8  |       |
| 77      | 31.3  | 24.3  | 36.5  |       |





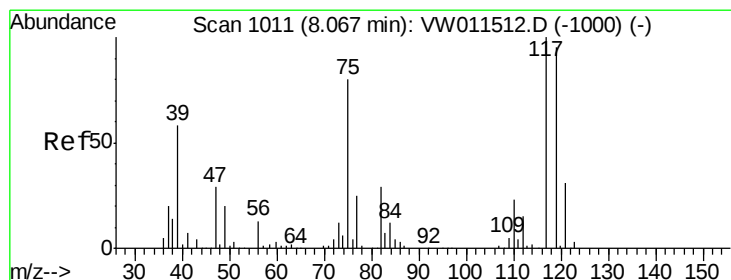
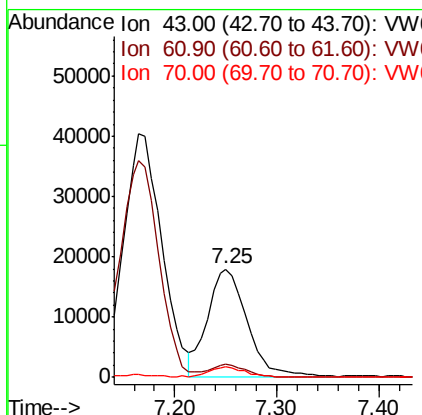
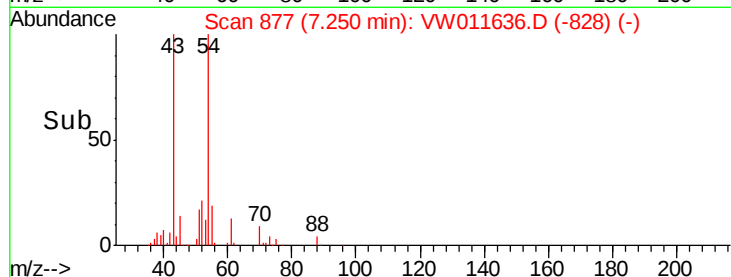
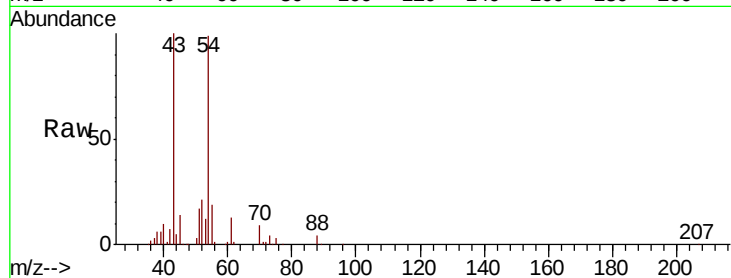
#37  
Ethyl Acetate  
Concen: 21.463 ug/l  
RT: 7.25 min Scan# 877  
Delta R.T. -0.00 min  
Lab File: VW011636.D  
Acq: 02 Aug 2019 23:32

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0803SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 11.5  | 8.8   | 13.2  |
| 70      | 9.1   | 7.1   | 10.7  |

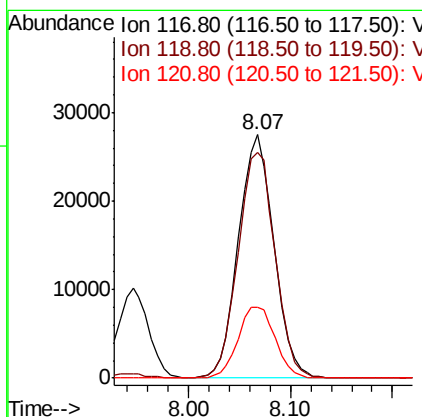
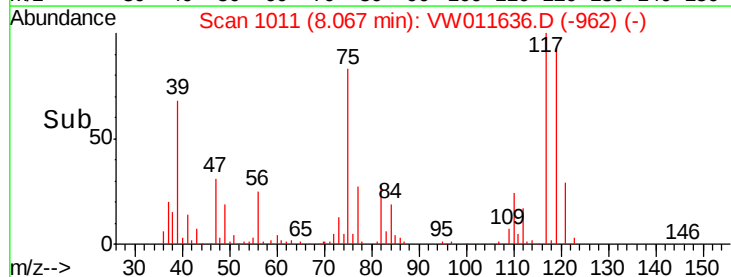
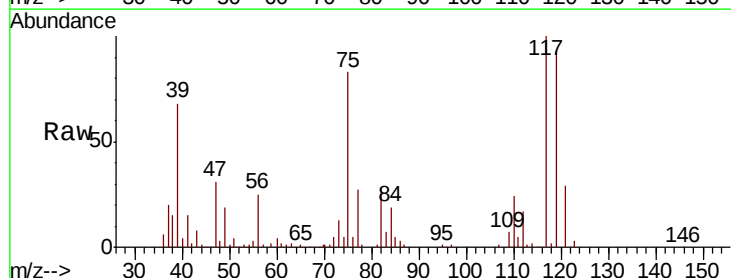
Manual Integrations  
APPROVED

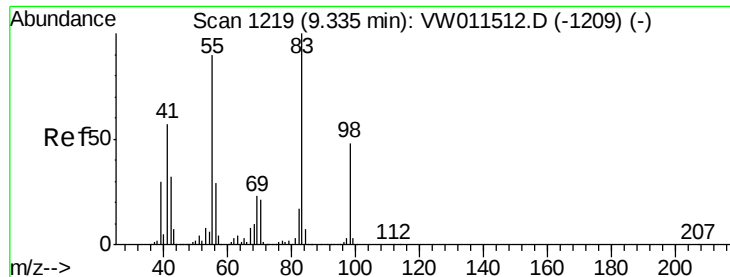
MMDadoda  
8/6/2019 9:20:00 AM



#38  
Carbon Tetrachloride  
Concen: 19.922 ug/l  
RT: 8.07 min Scan# 1011  
Delta R.T. -0.00 min  
Lab File: VW011636.D  
Acq: 02 Aug 2019 23:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 92.7  | 75.8  | 113.6 |
| 121     | 29.1  | 24.7  | 37.1  |





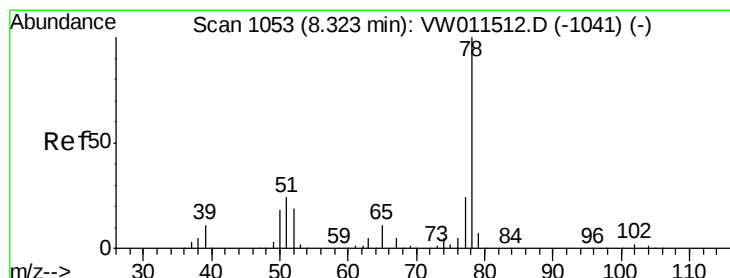
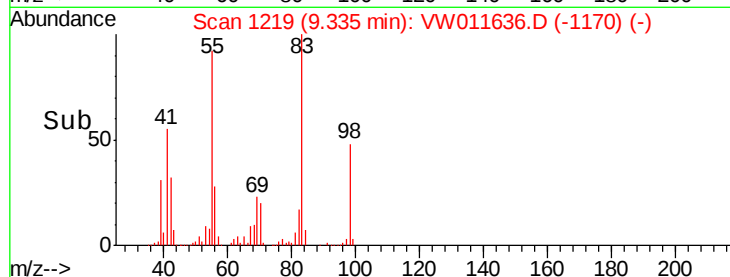
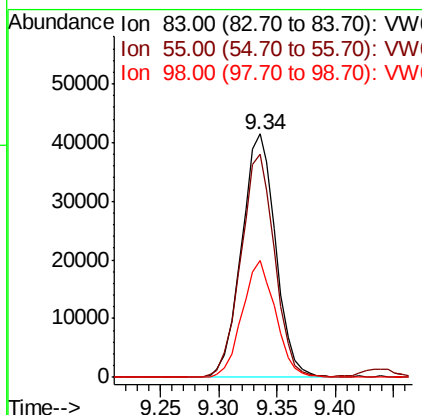
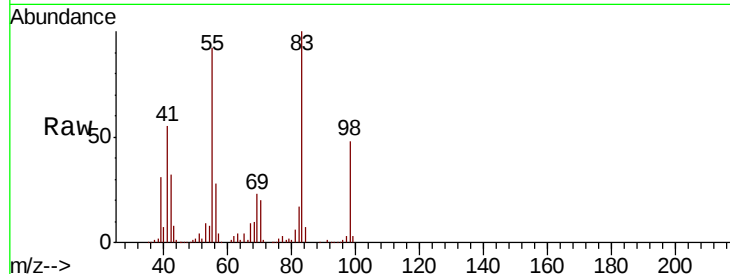
#39  
Methvlcvclohexane  
Concen: 19.696 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. -0.00 min  
Lab File: VW011636.D  
Acq: 02 Aug 2019 23:32

Instrument :  
MSVOA\_W  
ClientSampled :  
VW0803SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 91.9  | 72.1  | 108.1 |
| 98      | 48.0  | 38.6  | 57.8  |

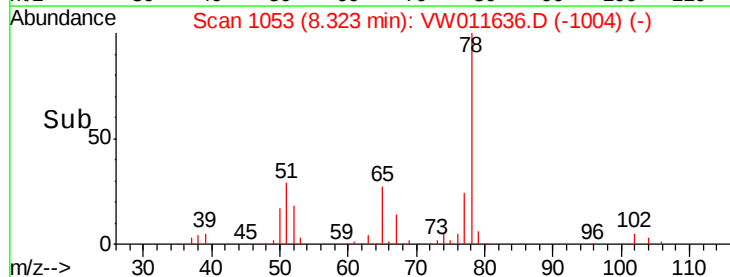
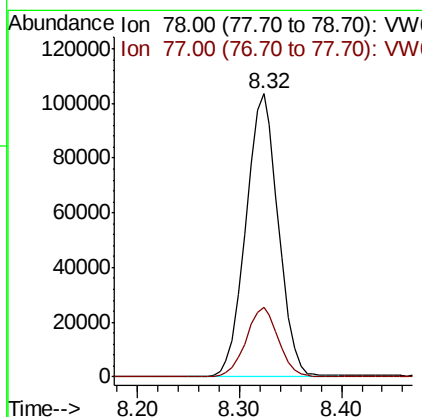
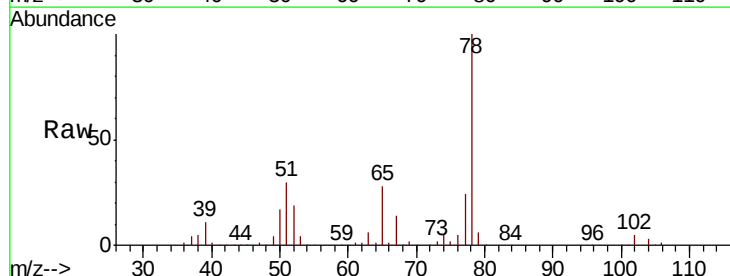
Manual Integrations  
APPROVED

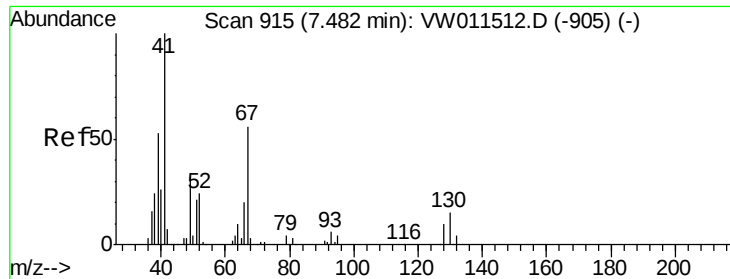
MMDadoda  
8/6/2019 9:20:00 AM



#40  
Benzene  
Concen: 20.948 ug/l  
RT: 8.32 min Scan# 1053  
Delta R.T. -0.00 min  
Lab File: VW011636.D  
Acq: 02 Aug 2019 23:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.4  | 19.4  | 29.0  |





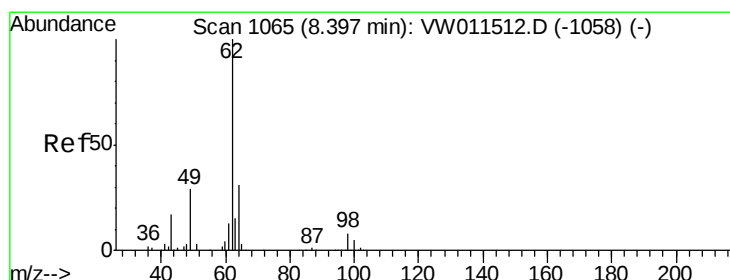
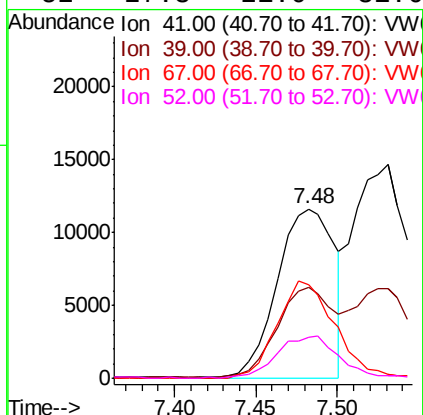
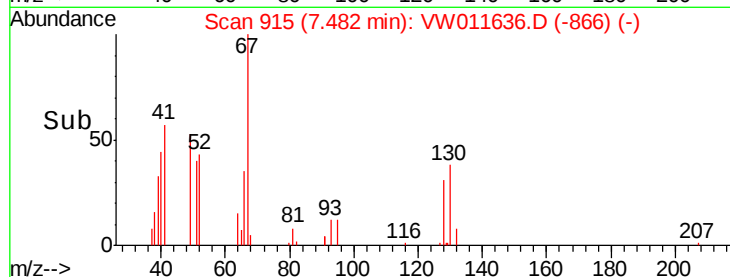
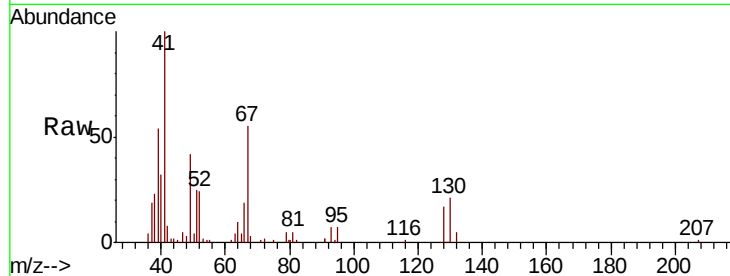
#41  
Methacrylonitrile  
Concen: 21.142 ug/l  
RT: 7.48 min Scan# 915  
Delta R.T. -0.00 min  
Lab File: VW011636.D  
Acq: 02 Aug 2019 23:32

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0803SBS01

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 41      | 100  |       | 28370 |       |       |
| 39      | 52.6 | 43.0  | 64.4  |       |       |
| 67      | 58.3 | 47.5  | 71.3  |       |       |
| 52      | 27.3 | 21.0  | 31.6  |       |       |

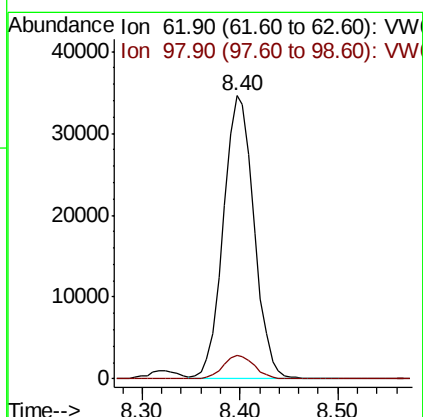
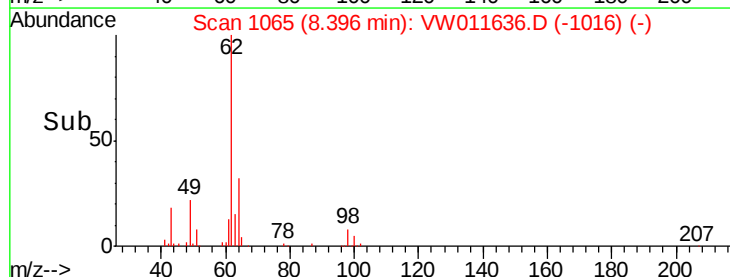
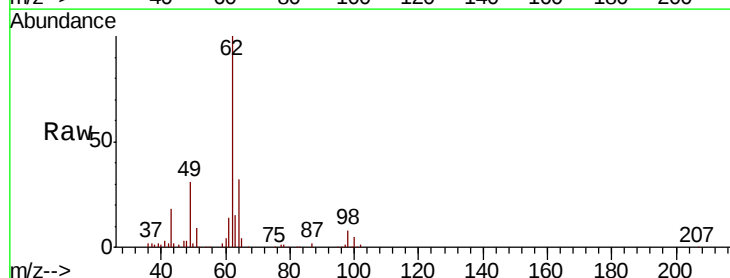
Manual Integrations  
APPROVED

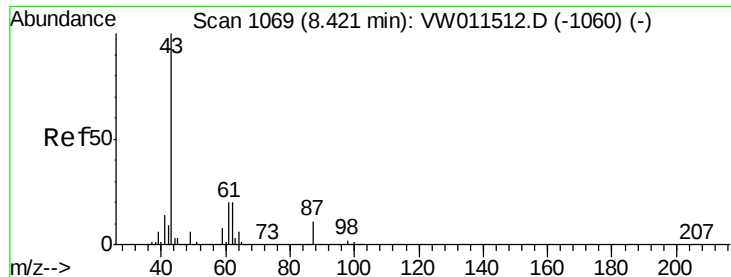
MMDadoda  
8/6/2019 9:20:00 AM



#42  
1,2-Dichloroethane  
Concen: 21.971 ug/l  
RT: 8.40 min Scan# 1065  
Delta R.T. -0.00 min  
Lab File: VW011636.D  
Acq: 02 Aug 2019 23:32

| Tgt Ion | Ion | Ratio | Resp  | Lower | Upper |
|---------|-----|-------|-------|-------|-------|
| 62      | 100 |       | 75180 |       |       |
| 98      | 8.4 | 0.0   | 16.8  |       |       |





#43

Isopropyl Acetate

Concen: 21.243 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011636.D

Acq: 02 Aug 2019 23:32

Instrument :

MSVOA\_W

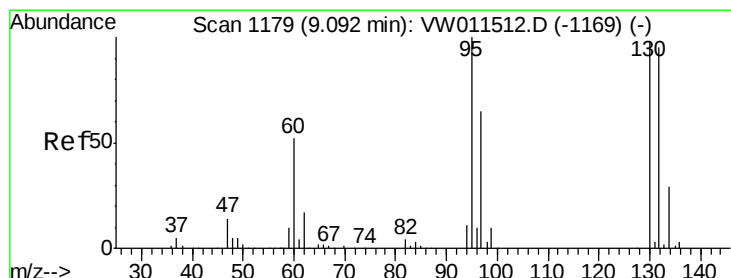
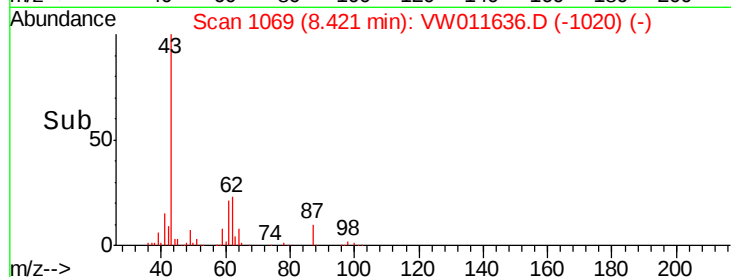
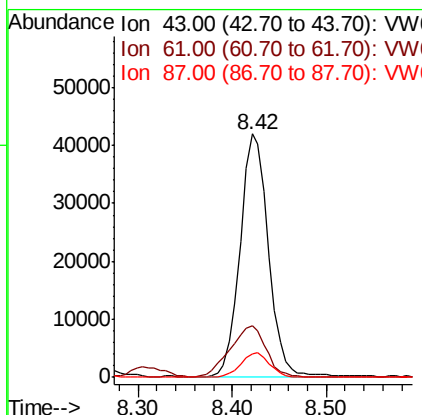
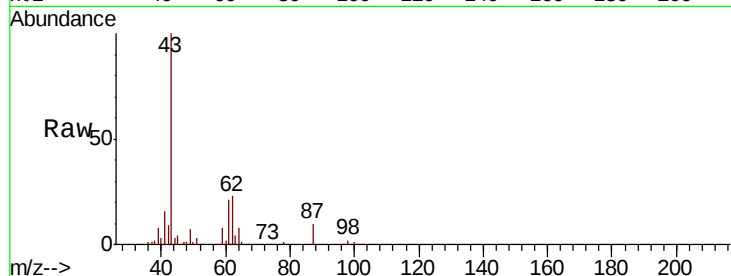
ClientSampled :

VW0803SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 87702 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 27.5  | 21.5  | 32.3  |
| 87       | 10.4  | 8.4   | 12.6  |

Manual Integrations  
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MMDadoda  
8/6/2019 9:20:00 AM



#44

Trichloroethene

Concen: 20.207 ug/l

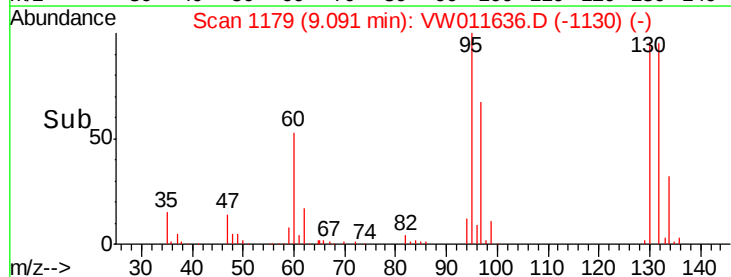
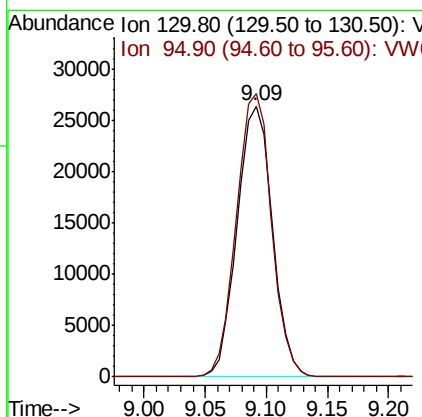
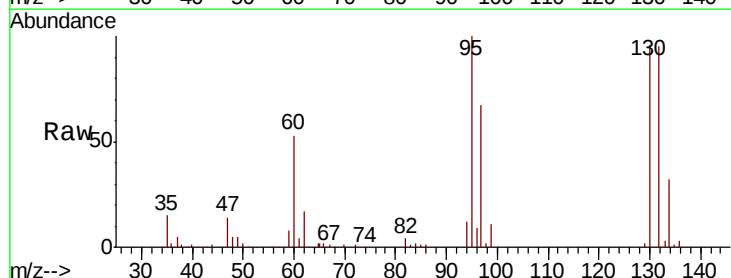
RT: 9.09 min Scan# 1179

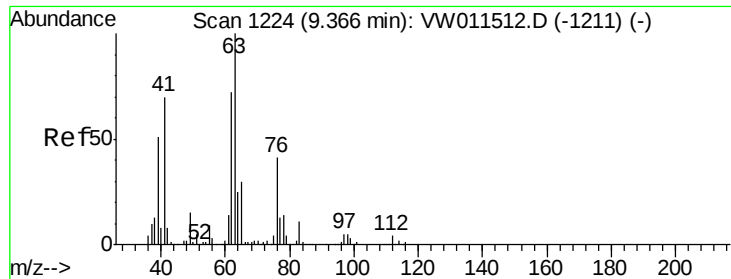
Delta R.T. -0.00 min

Lab File: VW011636.D

Acq: 02 Aug 2019 23:32

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 53080 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 104.6 | 0.0   | 204.8 |





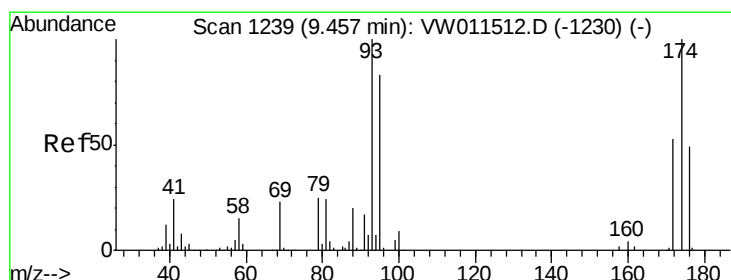
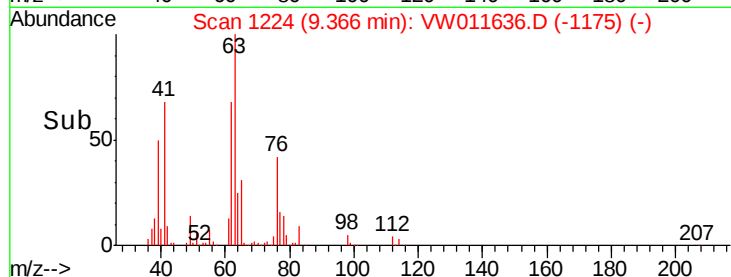
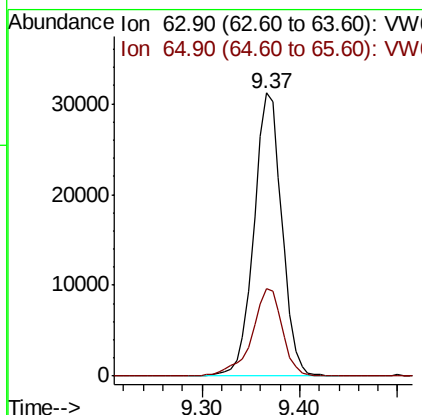
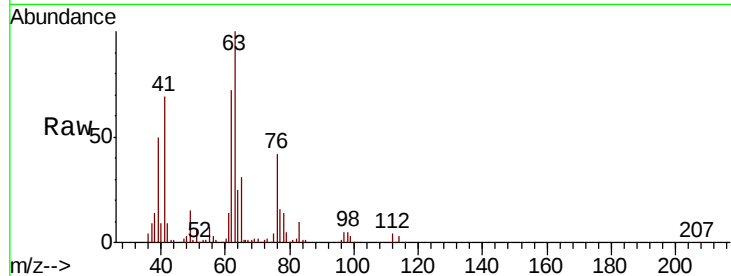
#45  
 1,2-Dichloropropane  
 Concen: 21.308 ug/l  
 RT: 9.37 min Scan# 1224  
 Delta R.T. -0.00 min  
 Lab File: VW011636.D  
 Acq: 02 Aug 2019 23:32

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0803SBS01

Tot Ion: 63 Resp: 62312  
 Ion Ratio Lower Upper  
 63 100  
 65 31.1 24.2 36.4

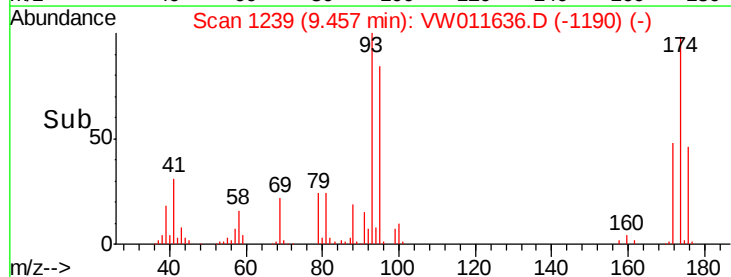
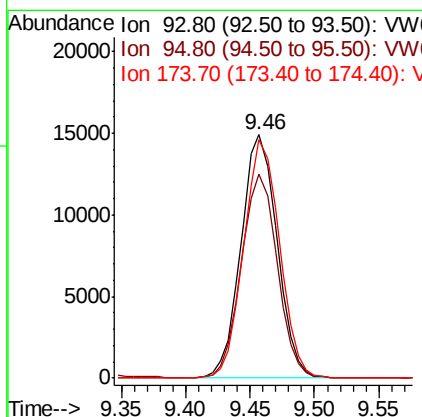
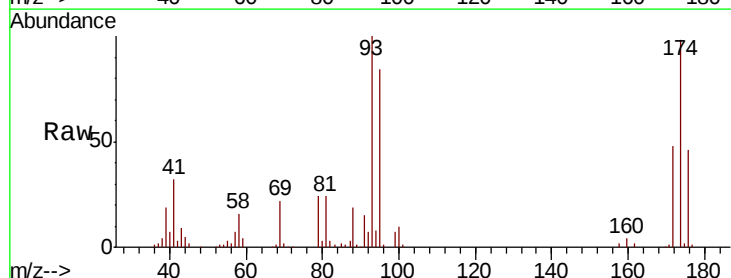
Manual Integrations  
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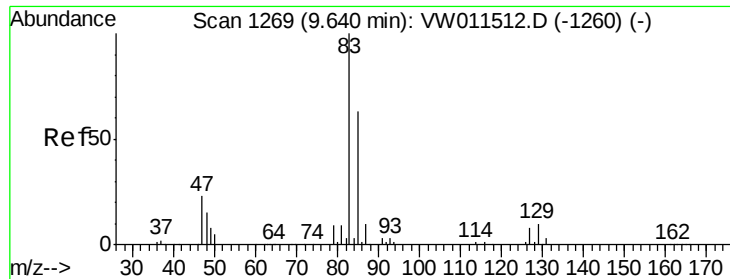
MMDadoda  
 8/6/2019 9:20:00 AM



#46  
 Dibromomethane  
 Concen: 21.779 ug/l  
 RT: 9.46 min Scan# 1239  
 Delta R.T. -0.00 min  
 Lab File: VW011636.D  
 Acq: 02 Aug 2019 23:32

Tgt Ion: 93 Resp: 29069  
 Ion Ratio Lower Upper  
 93 100  
 95 83.2 66.2 99.2  
 174 96.9 78.2 117.4





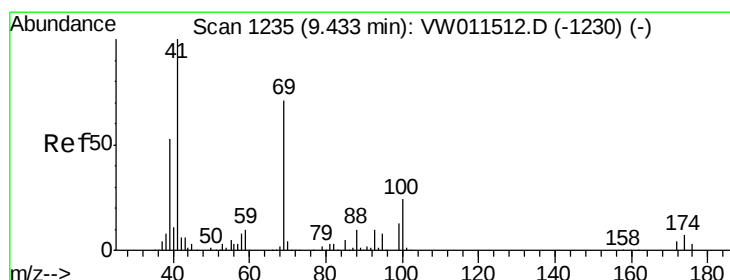
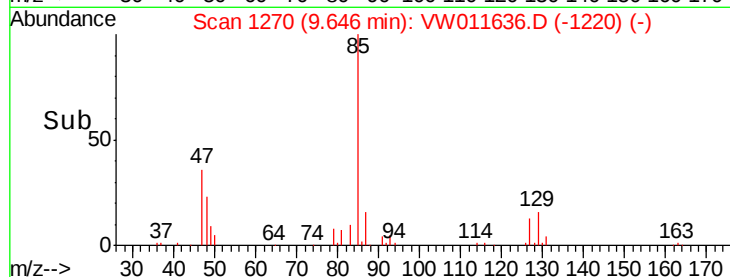
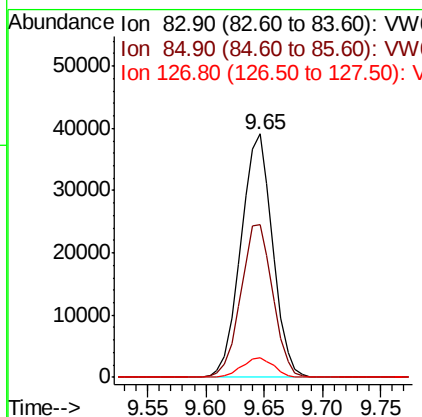
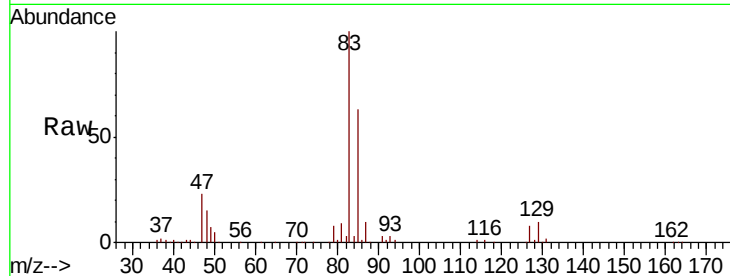
#47  
Bromodichloromethane  
Concen: 21.224 ug/l  
RT: 9.65 min Scan# 1270  
Delta R.T. 0.01 min  
Lab File: VW011636.D  
Acq: 02 Aug 2019 23:32

Instrument :  
MSVOA\_W  
ClientSampled :  
VW0803SBS01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 83      | 100   | 74309 |       |       |
| 85      | 62.8  |       | 50.5  | 75.7  |
| 127     | 8.1   |       | 6.4   | 9.6   |

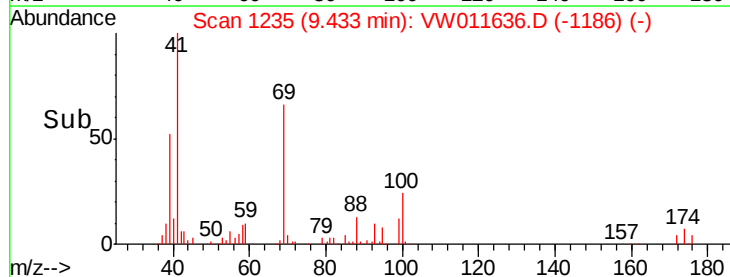
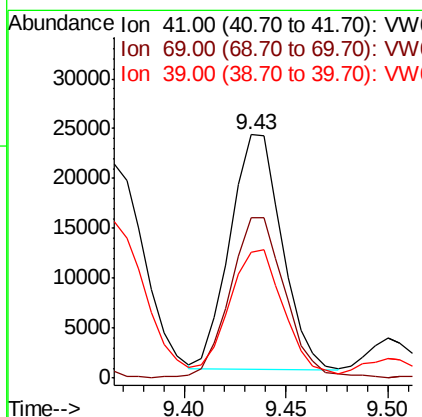
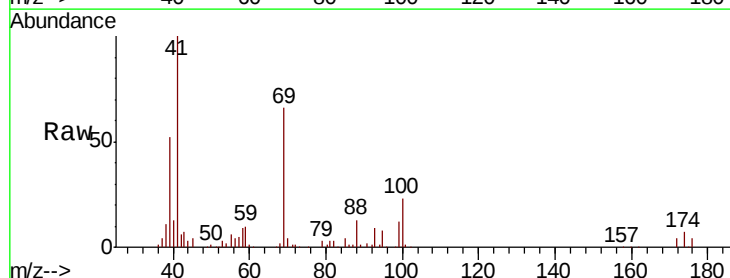
Manual Integrations  
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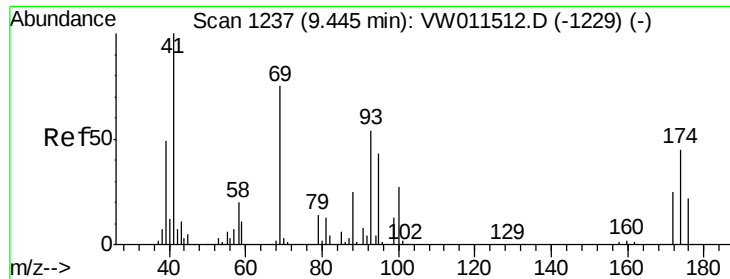
MMDadoda  
8/6/2019 9:20:00 AM



#48  
Methyl methacrylate  
Concen: 20.959 ug/l  
RT: 9.43 min Scan# 1235  
Delta R.T. -0.00 min  
Lab File: VW011636.D  
Acq: 02 Aug 2019 23:32

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 41      | 100   | 41565 |       |       |
| 69      | 71.9  |       | 57.1  | 85.7  |
| 39      | 58.4  |       | 45.4  | 68.2  |





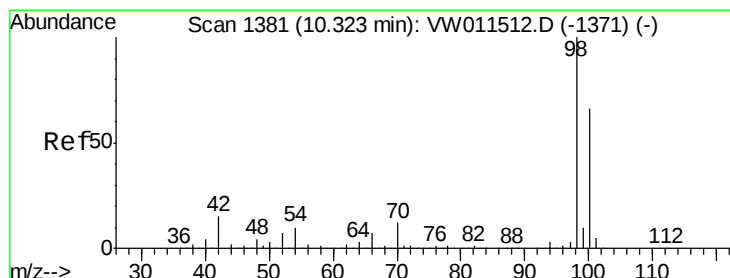
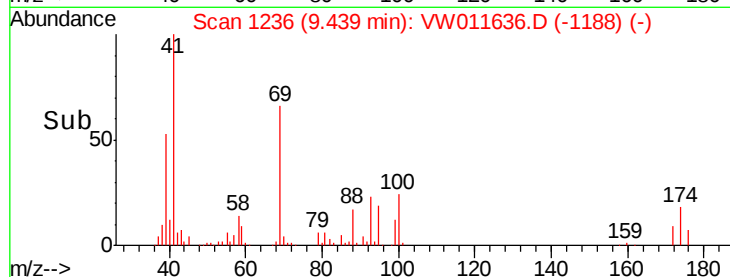
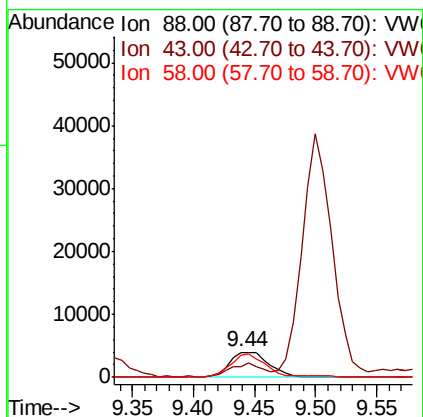
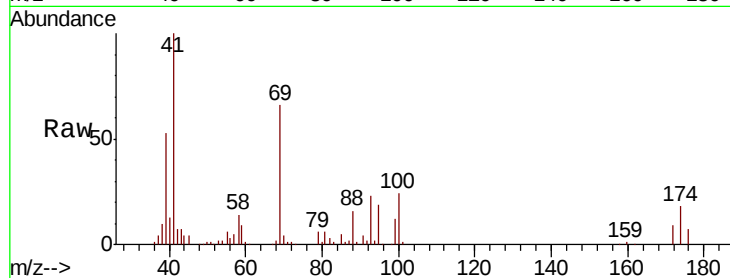
#49  
1,4-Dioxane  
Concen: 470.824 ug/l  
RT: 9.44 min Scan# 1236  
Delta R.T. -0.01 min  
Lab File: VW011636.D  
Acq: 02 Aug 2019 23:32

Instrument :  
MSVOA\_W  
ClientSampled :  
VW0803SBS01

Tot Ion: 88 Resp: 9099  
Ion Ratio Lower Upper  
88 100  
43 43.0 34.0 51.0  
58 81.5 69.7 104.5

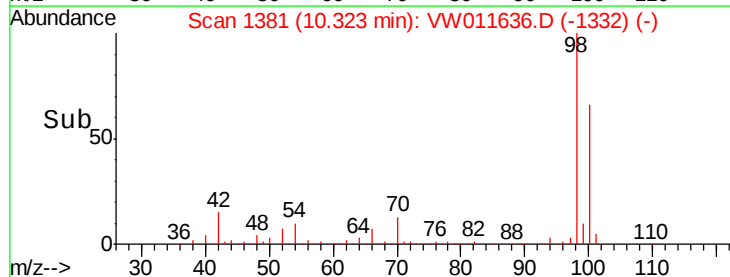
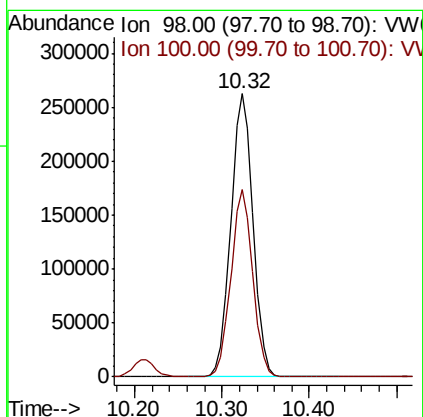
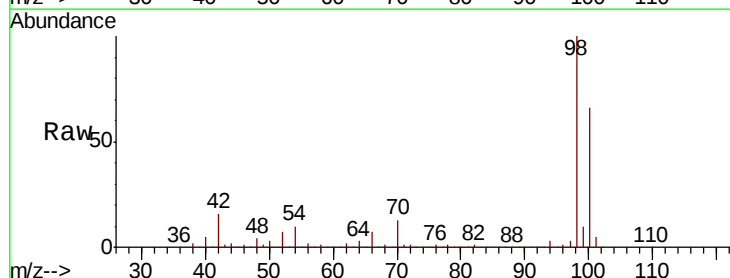
Manual Integrations  
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8/6/2019 9:20:00 AM



#50  
Toluene-d8  
Concen: 53.716 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. -0.00 min  
Lab File: VW011636.D  
Acq: 02 Aug 2019 23:32

Tgt Ion: 98 Resp: 462985  
Ion Ratio Lower Upper  
98 100  
100 65.0 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 107.558 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011636.D

Acq: 02 Aug 2019 23:32

Instrument :

MSVOA\_W

ClientSampled :

VW0803SBS01

Tot Ion: 43 Resp: 230969

Ion Ratio Lower Upper

43 100

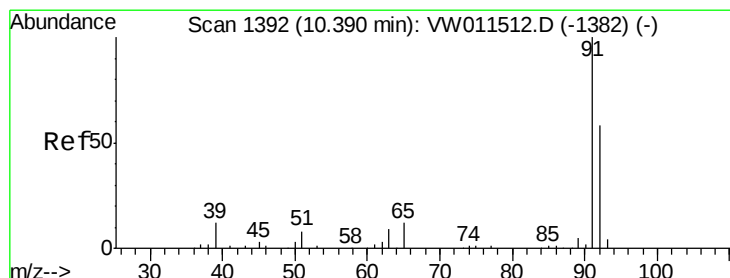
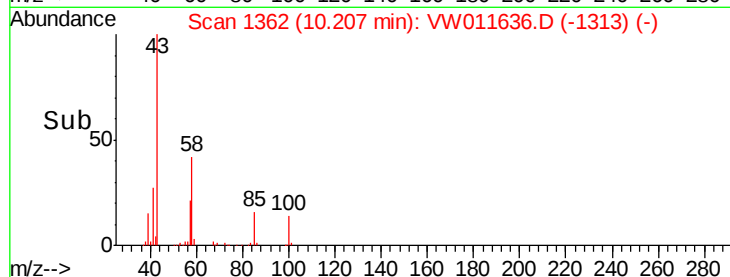
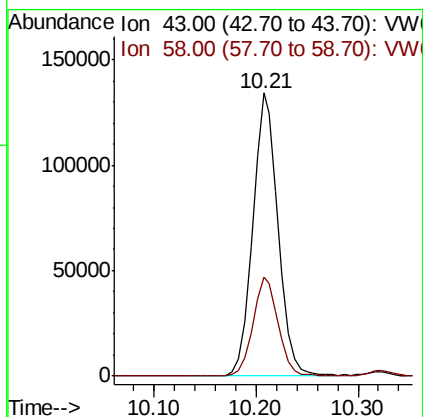
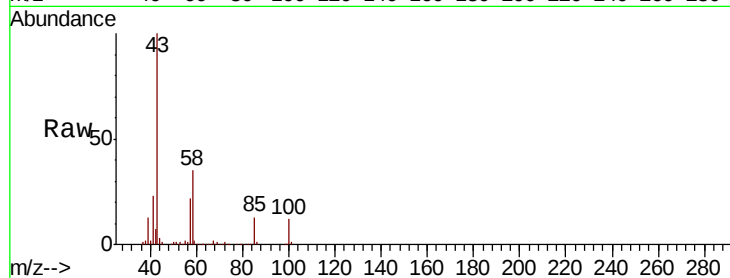
58 35.0 28.2 42.2

Manual Integrations

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MMDadoda

8/6/2019 9:20:00 AM



#52

Toluene

Concen: 20.755 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW011636.D

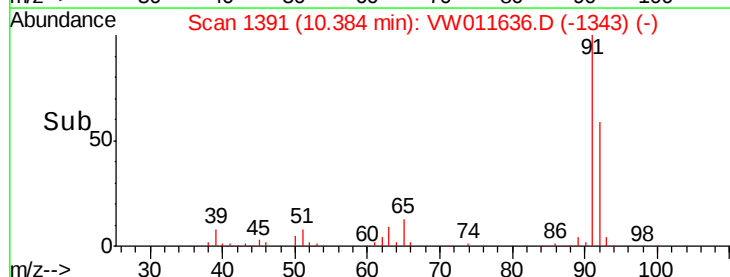
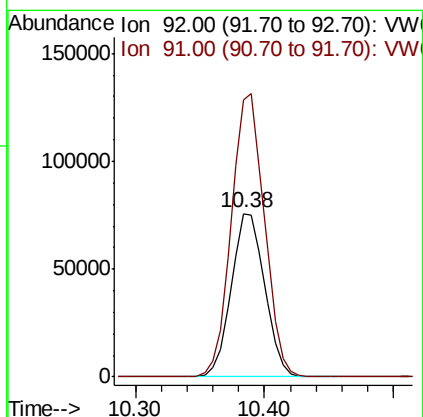
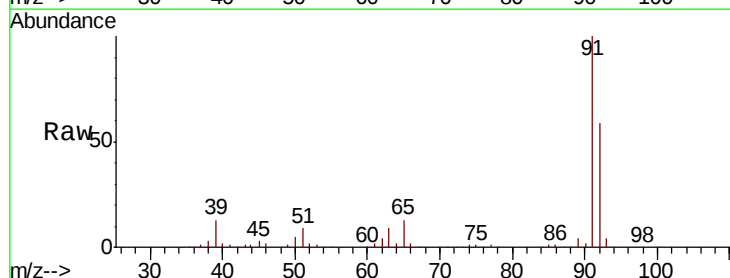
Acq: 02 Aug 2019 23:32

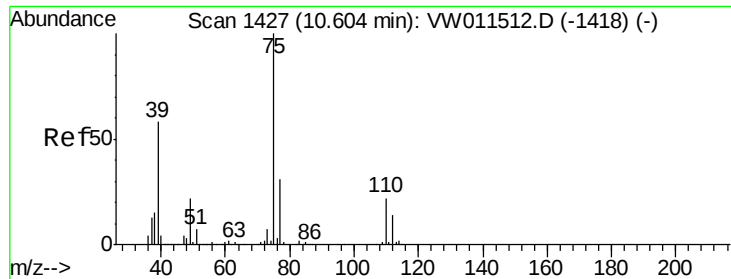
Tgt Ion: 92 Resp: 136988

Ion Ratio Lower Upper

92 100

91 170.9 136.7 205.1





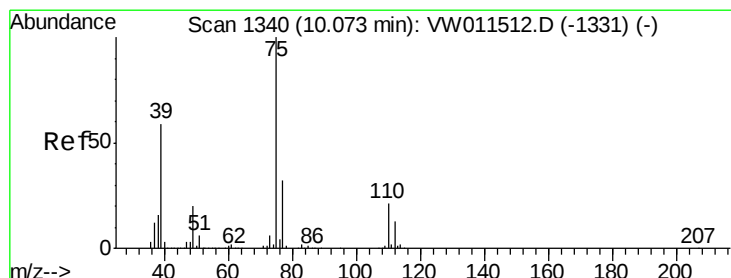
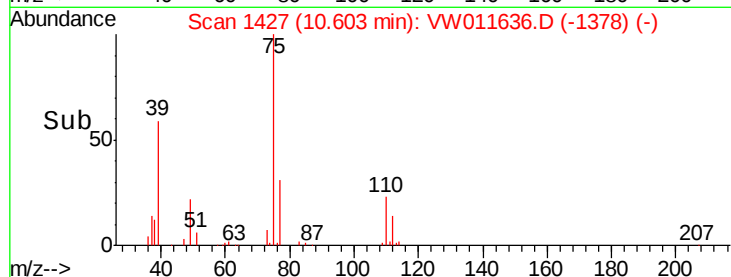
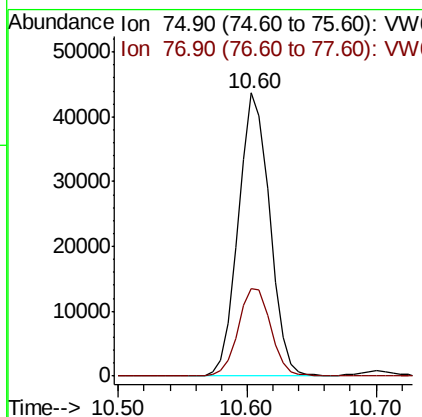
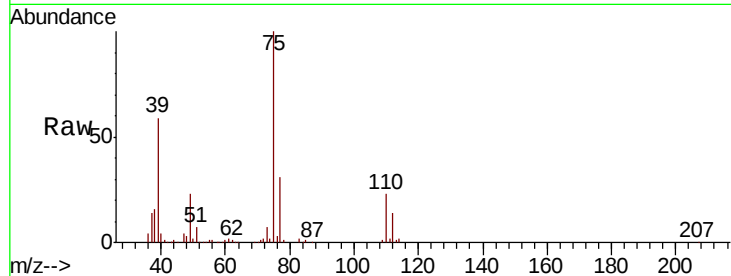
#53  
t-1,3-Dichloropropene  
Concen: 20.152 ug/l  
RT: 10.60 min Scan# 1427  
Delta R.T. -0.00 min  
Lab File: VW011636.D  
Acq: 02 Aug 2019 23:32

Instrument :  
MSVOA\_W  
ClientSampled :  
VW0803SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 30.9  | 25.0  | 37.4  |

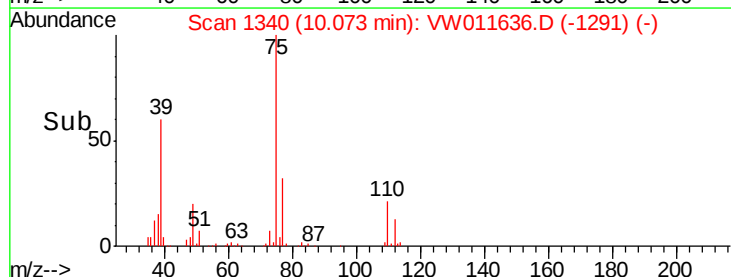
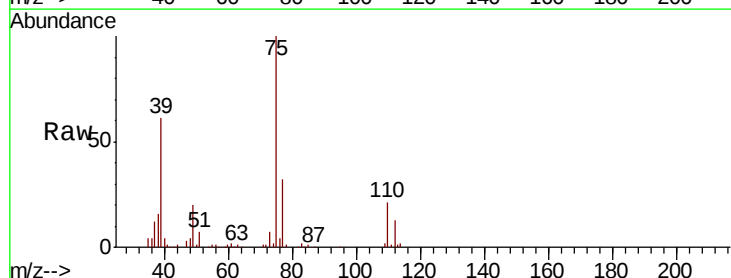
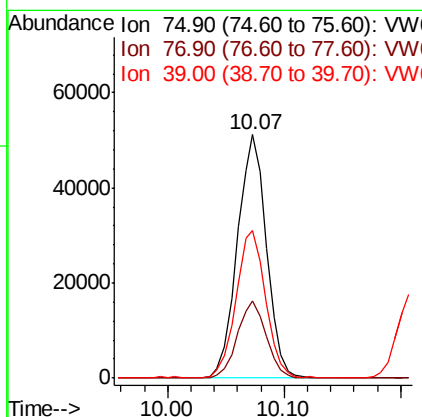
Manual Integrations  
APPROVED

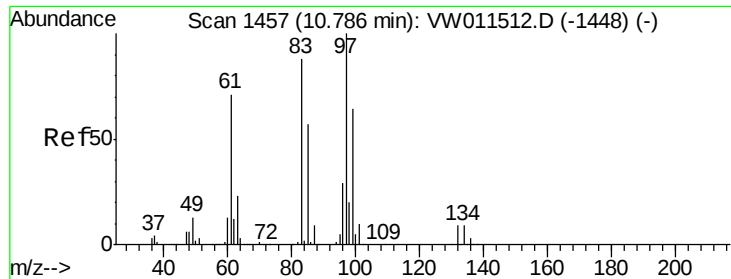
MMDadoda  
8/6/2019 9:20:00 AM



#54  
cis-1,3-Dichloropropene  
Concen: 20.482 ug/l  
RT: 10.07 min Scan# 1340  
Delta R.T. -0.00 min  
Lab File: VW011636.D  
Acq: 02 Aug 2019 23:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.6  | 25.6  | 38.4  |
| 39      | 60.5  | 47.0  | 70.4  |





#55

1,1,2-Trichloroethane

Concen: 21.776 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW011636.D

Acq: 02 Aug 2019 23:32

Instrument :

MSVOA\_W

ClientSampleId :

VW0803SBS01

Tot Ion: 97 Resp: 41239

Ion Ratio Lower Upper

97 100

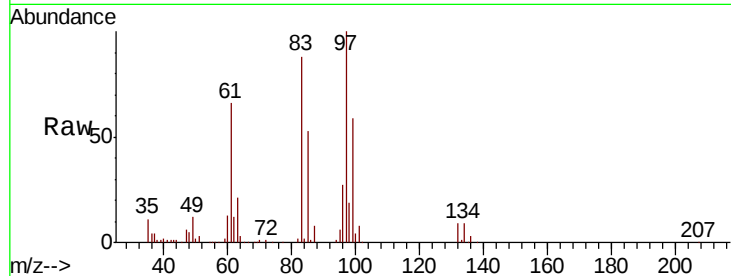
83 87.8 70.5 105.7

85 53.1 45.8 68.6

99 58.7 51.0 76.4

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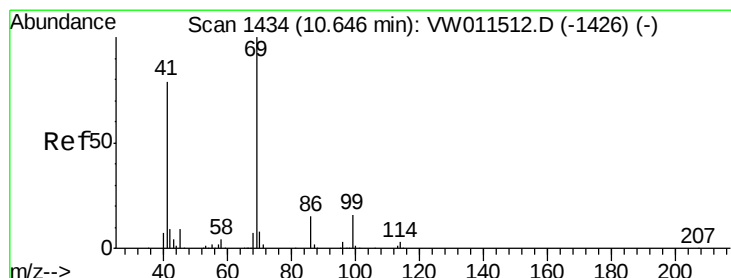
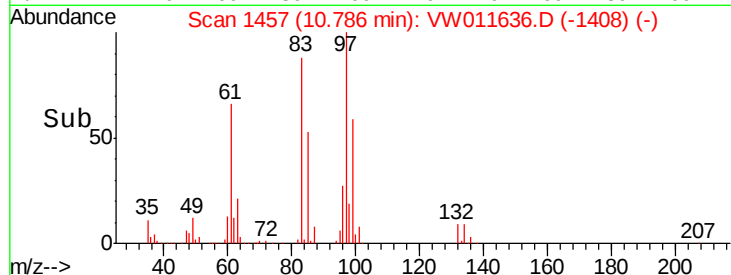
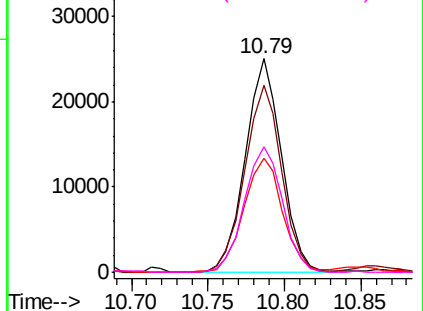
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 21.128 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW011636.D

Acq: 02 Aug 2019 23:32

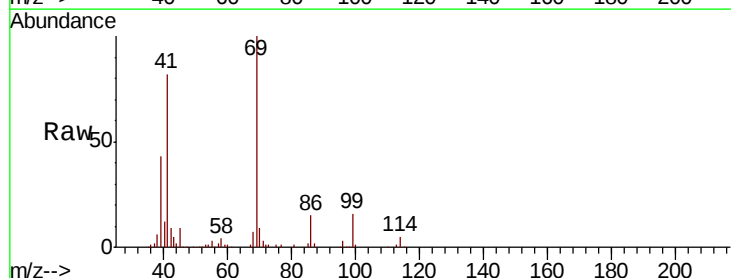
Tgt Ion: 69 Resp: 58548

Ion Ratio Lower Upper

69 100

41 83.1 66.6 99.8

39 38.7 30.3 45.5

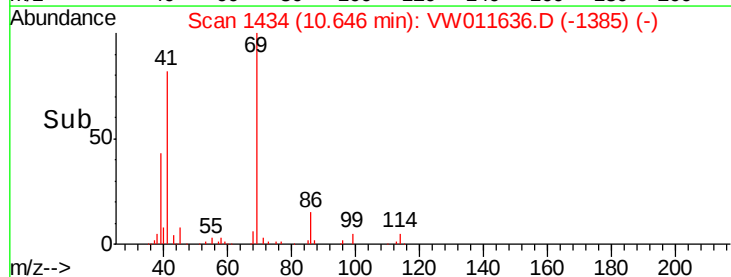
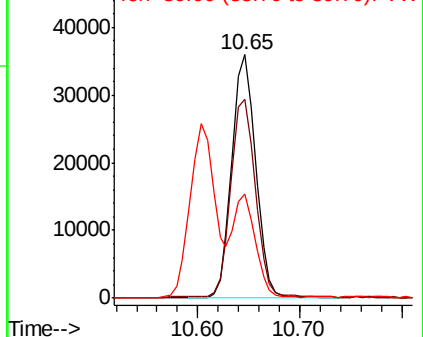


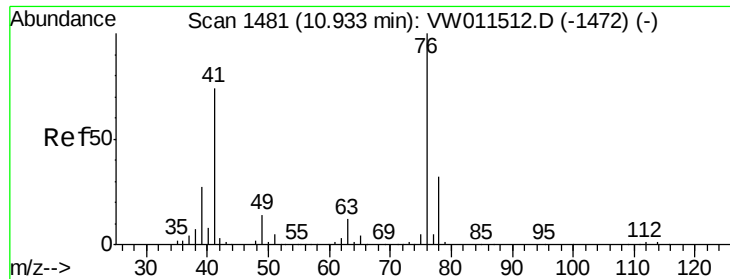
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





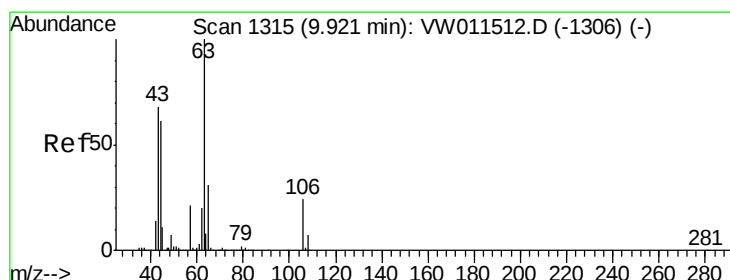
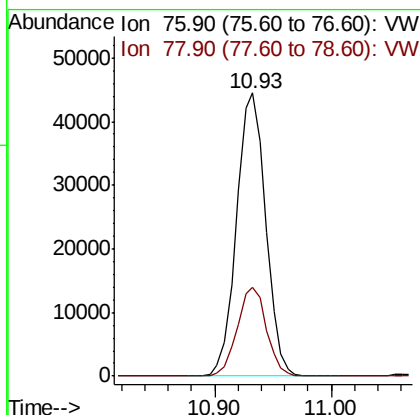
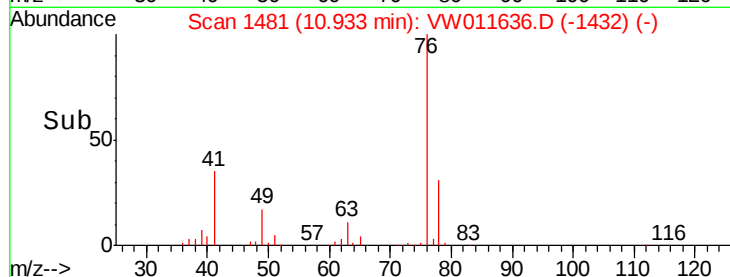
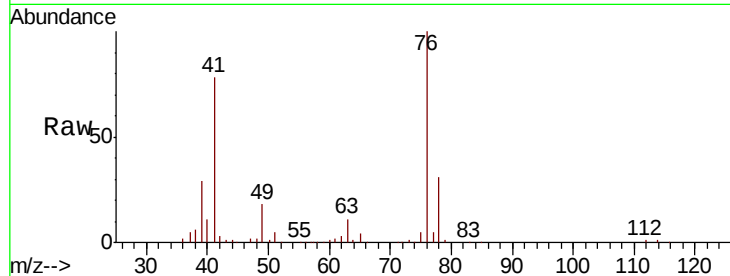
#57  
 1,3-Dichloropropane  
 Concen: 21.678 ug/l  
 RT: 10.93 min Scan# 1481  
 Delta R.T. -0.00 min  
 Lab File: VW011636.D  
 Acq: 02 Aug 2019 23:32

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0803SBS01

Tot Ion: 76 Resp: 77667  
 Ion Ratio Lower Upper  
 76 100  
 78 31.6 25.2 37.8

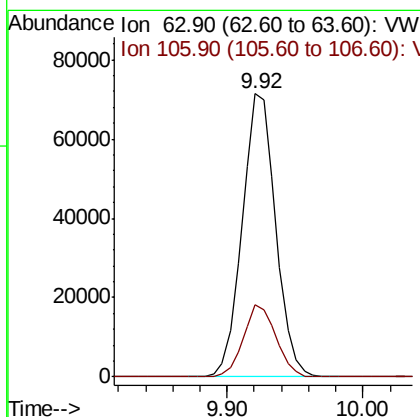
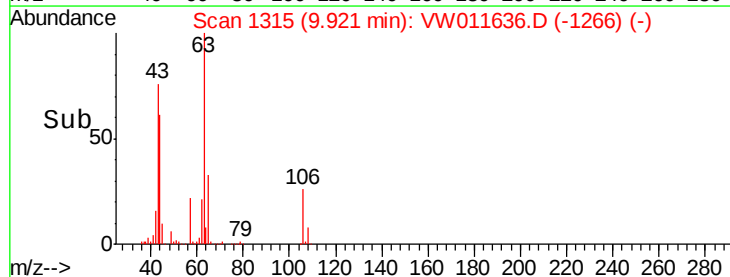
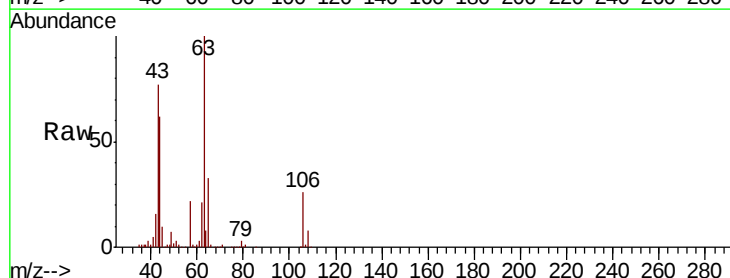
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#58  
 2-Chloroethyl Vinyl ether  
 Concen: 97.544 ug/l  
 RT: 9.92 min Scan# 1315  
 Delta R.T. -0.00 min  
 Lab File: VW011636.D  
 Acq: 02 Aug 2019 23:32

Tgt Ion: 63 Resp: 122732  
 Ion Ratio Lower Upper  
 63 100  
 106 24.9 19.7 29.5





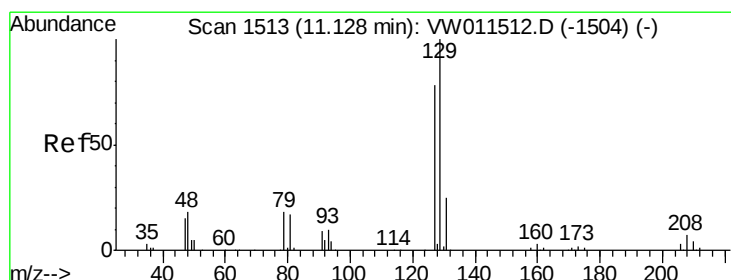
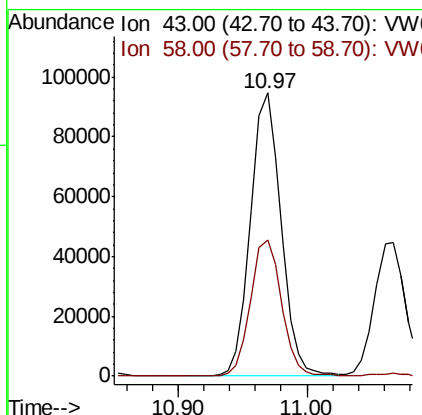
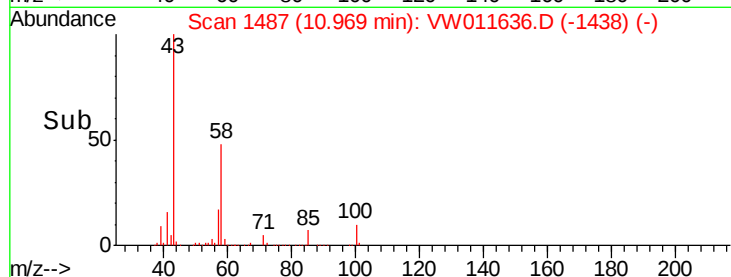
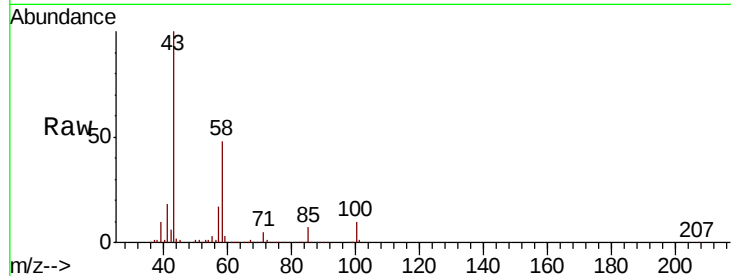
#59  
2-Hexanone  
Concen: 102.082 ug/l  
RT: 10.97 min Scan# 1487  
Delta R.T. -0.00 min  
Lab File: VW011636.D  
Acq: 02 Aug 2019 23:32

Instrument :  
MSVOA\_W  
ClientSampled :  
VW0803SBS01

Tot Ion: 43 Resp: 154777  
Ion Ratio Lower Upper  
43 100  
58 49.0 24.3 72.9

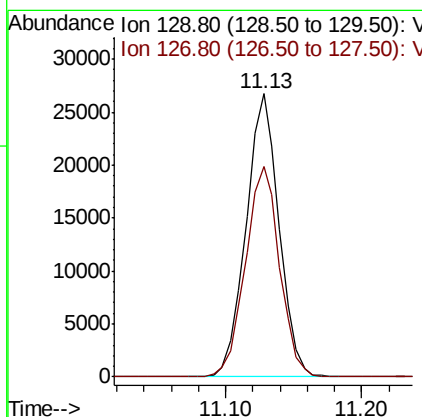
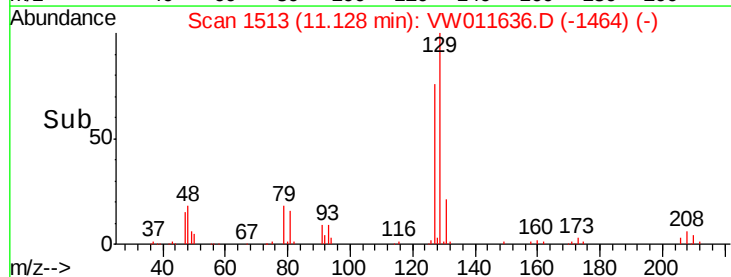
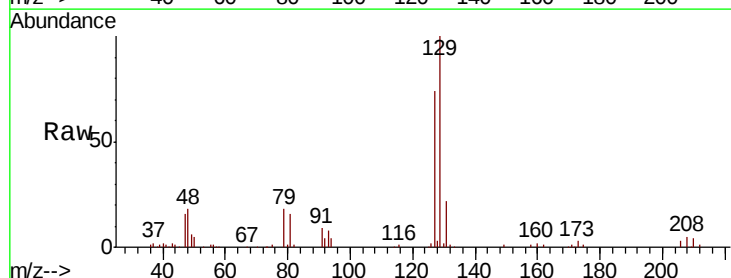
Manual Integrations  
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#60  
Dibromochloromethane  
Concen: 21.532 ug/l  
RT: 11.13 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: VW011636.D  
Acq: 02 Aug 2019 23:32

Tgt Ion: 129 Resp: 45262  
Ion Ratio Lower Upper  
129 100  
127 77.1 38.9 116.7





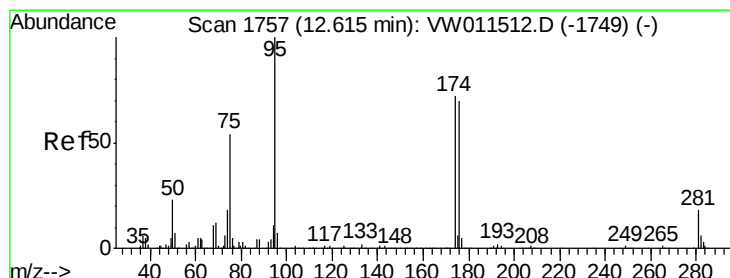
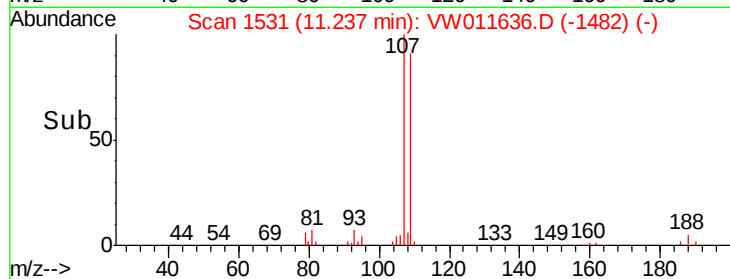
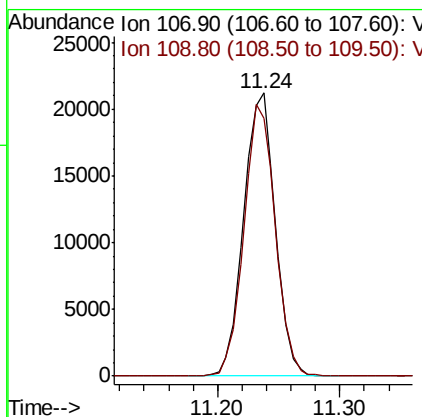
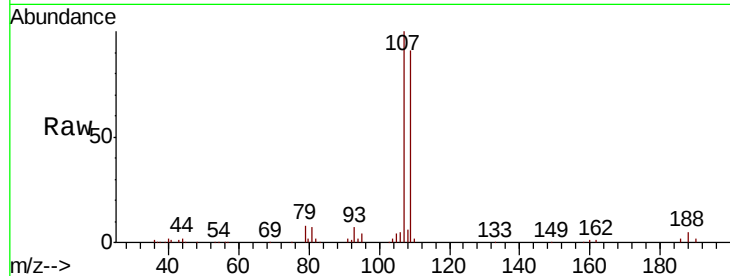
#61  
 1,2-Dibromoethane  
 Concen: 21.251 ug/l  
 RT: 11.24 min Scan# 1531  
 Delta R.T. -0.00 min  
 Lab File: VW011636.D  
 Acq: 02 Aug 2019 23:32

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0803SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 95.0  | 75.0  | 112.6 |

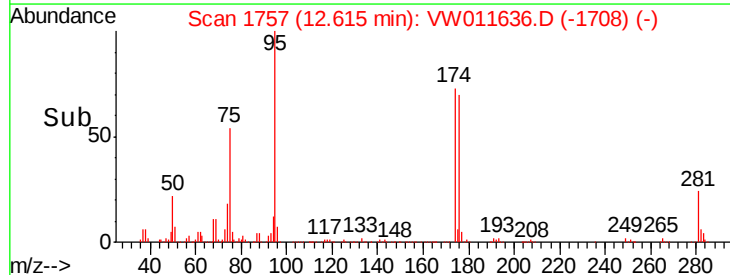
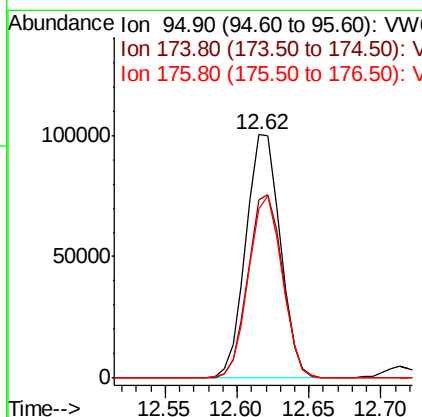
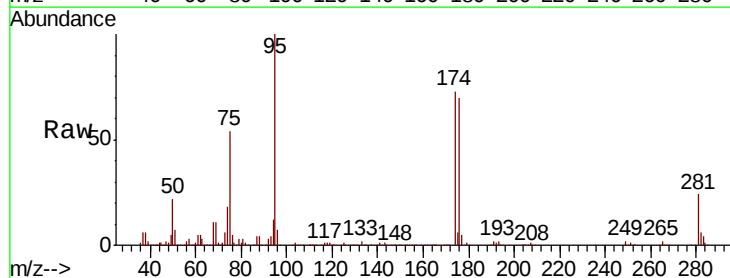
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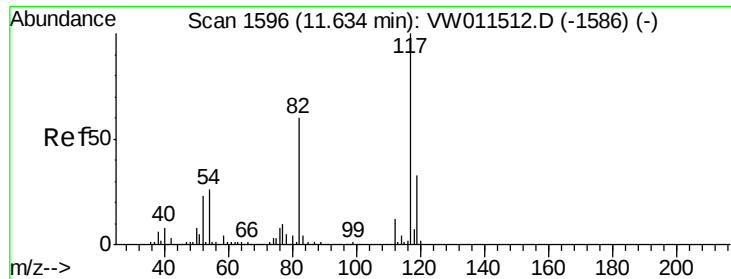
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#62  
 4-Bromofluorobenzene  
 Concen: 54.097 ug/l  
 RT: 12.62 min Scan# 1757  
 Delta R.T. -0.00 min  
 Lab File: VW011636.D  
 Acq: 02 Aug 2019 23:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 75.7  | 0.0   | 150.2 |
| 176     | 73.2  | 0.0   | 144.4 |





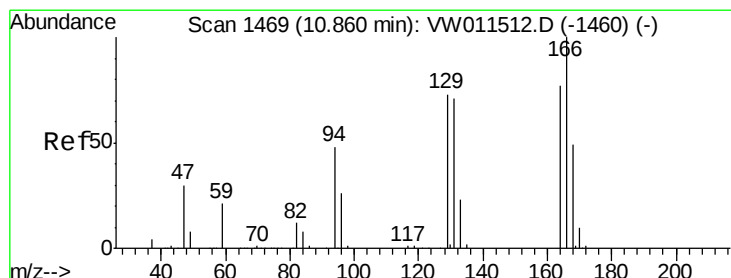
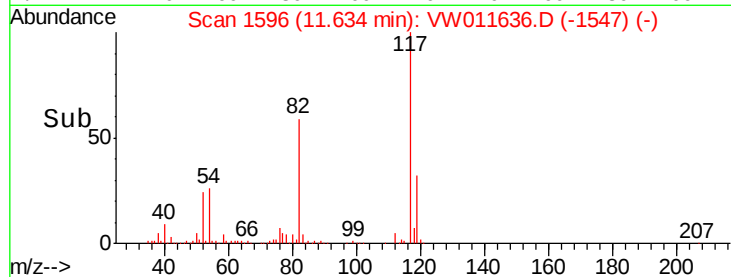
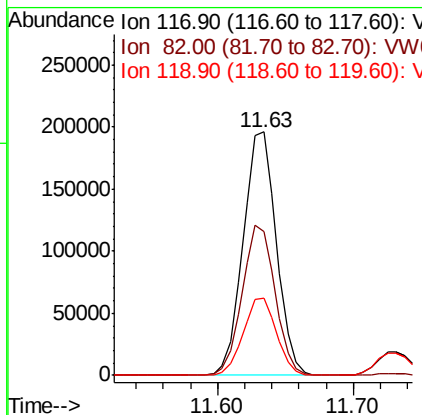
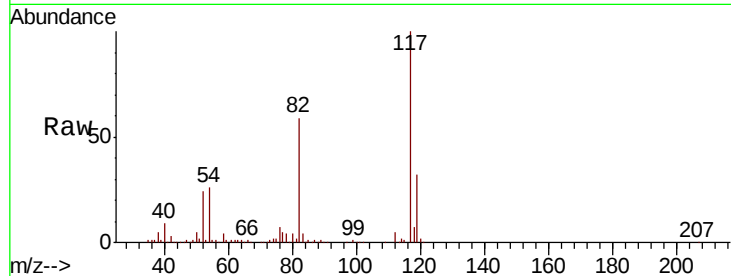
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW011636.D  
Acq: 02 Aug 2019 23:32

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0803SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 335250 |       |       |
| 82      | 59.1  |        | 47.9  | 71.9  |
| 119     | 31.9  |        | 26.2  | 39.2  |

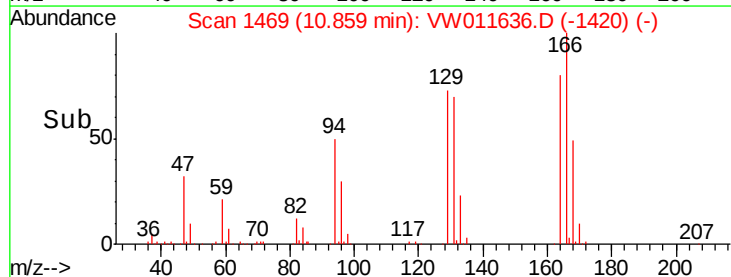
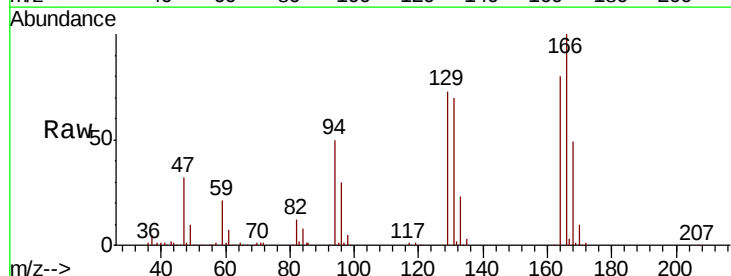
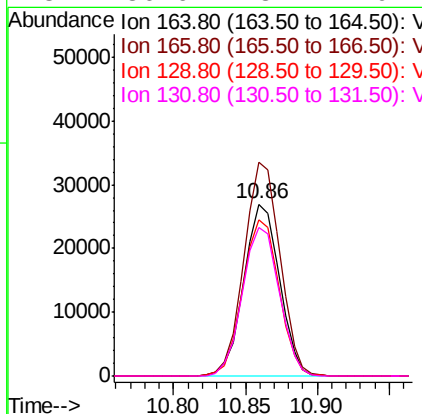
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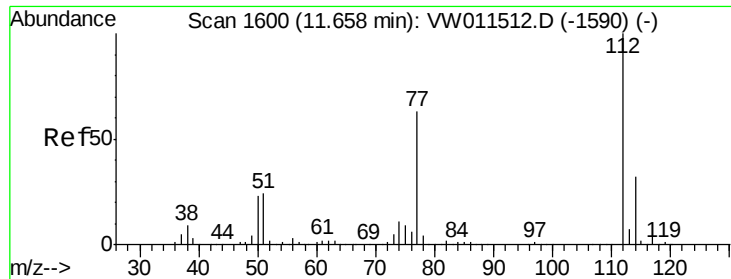
MMDadoda  
8/6/2019 9:20:00 AM



#64  
Tetrachloroethene  
Concen: 21.178 ug/l  
RT: 10.86 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VW011636.D  
Acq: 02 Aug 2019 23:32

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 46228 |       |       |
| 166     | 124.4 |       | 103.5 | 155.3 |
| 129     | 90.8  |       | 75.2  | 112.8 |
| 131     | 86.6  |       | 73.4  | 110.2 |





#65

Chlorobenzene

Concen: 20.629 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW011636.D

Acq: 02 Aug 2019 23:32

Instrument :

MSVOA\_W

ClientSampleId :

VW0803SBS01

Tot Ion:112 Resp: 139042

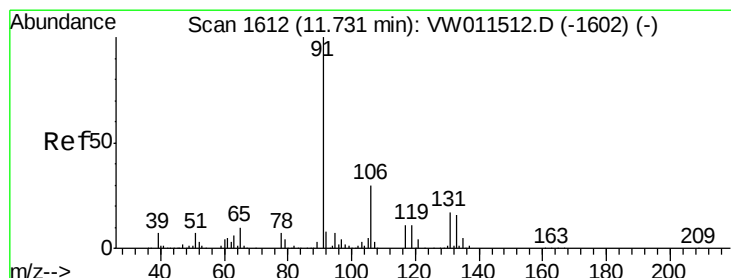
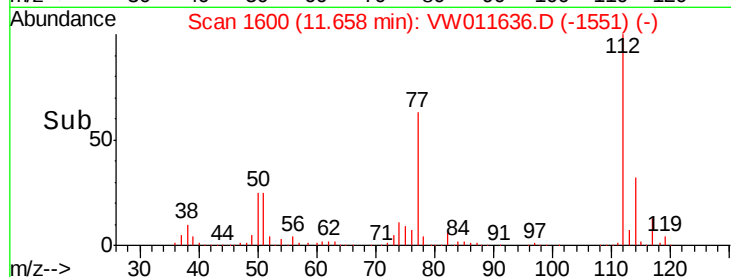
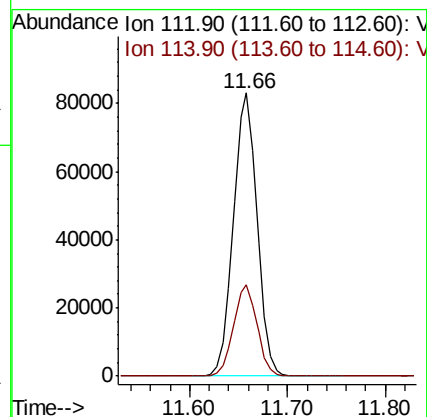
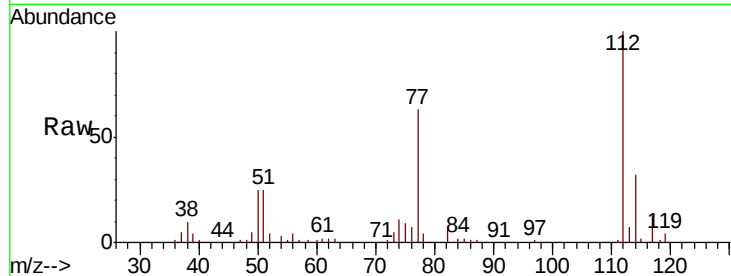
Ion Ratio Lower Upper

112 100

114 32.3 25.6 38.4

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.862 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011636.D

Acq: 02 Aug 2019 23:32

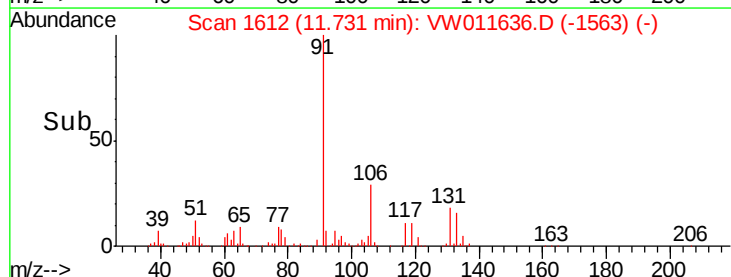
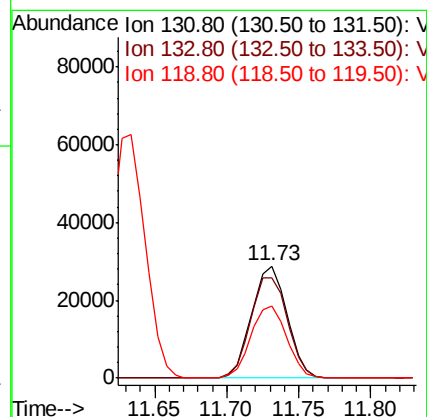
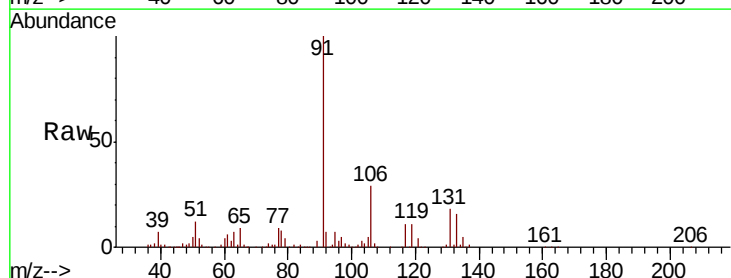
Tgt Ion:131 Resp: 48979

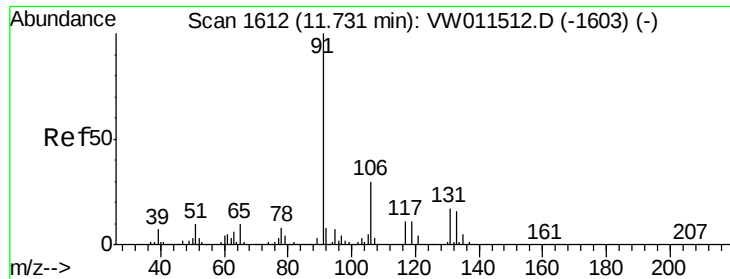
Ion Ratio Lower Upper

131 100

133 94.3 47.4 142.2

119 65.1 32.3 96.9





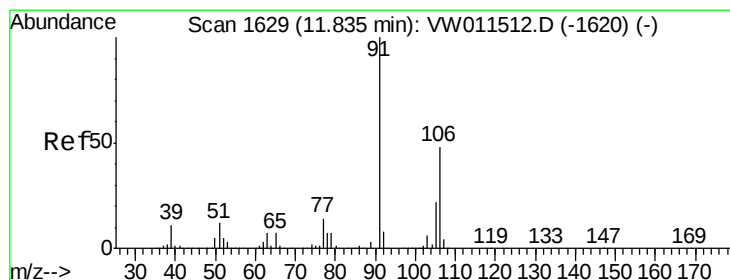
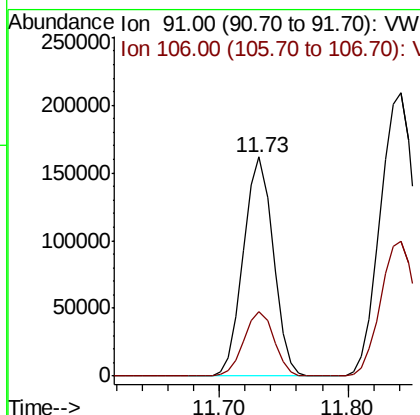
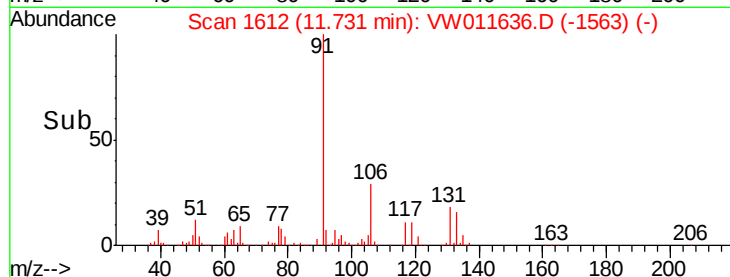
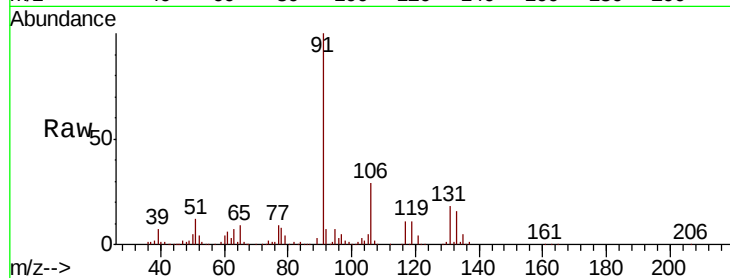
#67  
Ethyl Benzene  
Concen: 20.265 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.00 min  
Lab File: VW011636.D  
Acq: 02 Aug 2019 23:32

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0803SBS01

Tot Ion: 91 Resp: 260136  
Ion Ratio Lower Upper  
91 100  
106 29.4 23.8 35.6

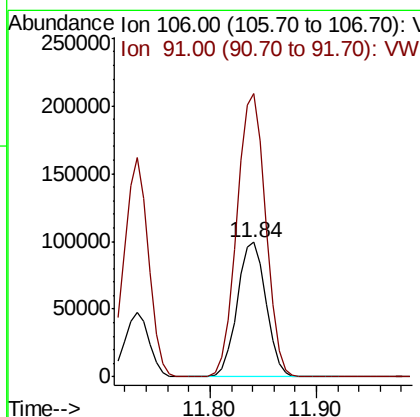
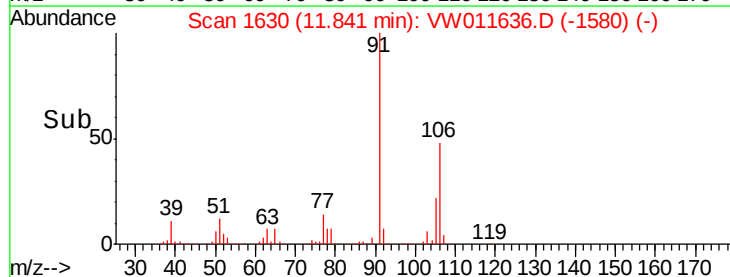
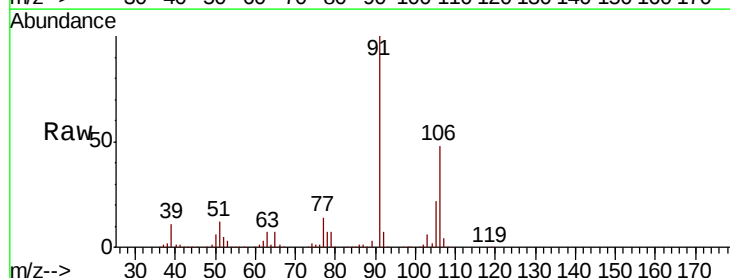
Manual Integrations  
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#68  
m/p-Xylenes  
Concen: 40.477 ug/l  
RT: 11.84 min Scan# 1630  
Delta R.T. 0.01 min  
Lab File: VW011636.D  
Acq: 02 Aug 2019 23:32

Tgt Ion:106 Resp: 188963  
Ion Ratio Lower Upper  
106 100  
91 210.2 168.2 252.2





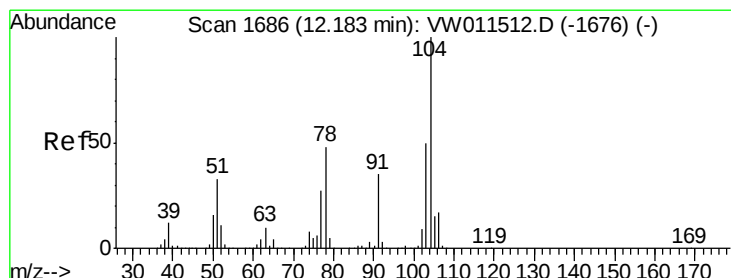
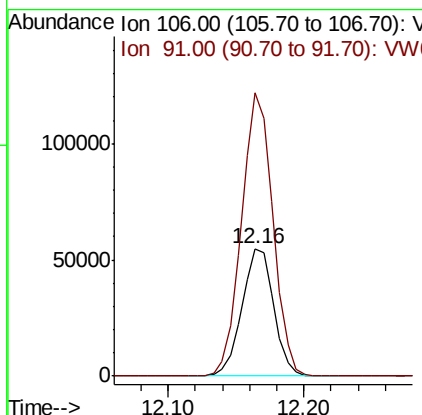
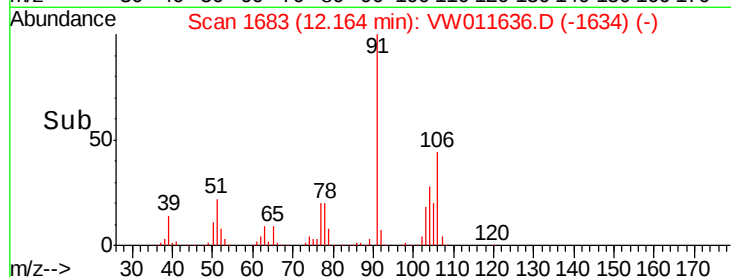
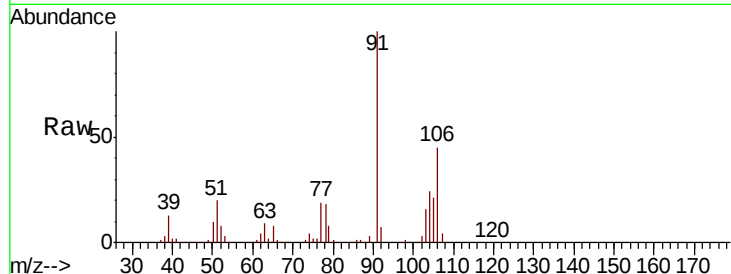
#69  
o-Xylene  
Concen: 20.577 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. -0.00 min  
Lab File: VW011636.D  
Acq: 02 Aug 2019 23:32

Instrument :  
MSVOA\_W  
ClientSampled :  
VW0803SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 220.7 | 110.5 | 331.5 |

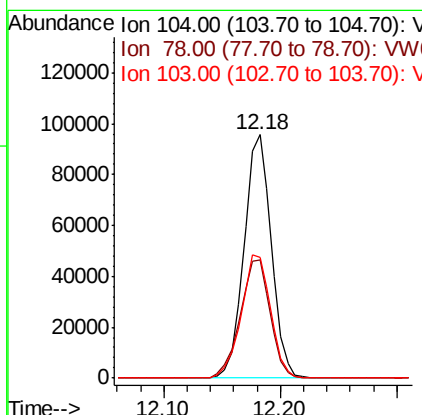
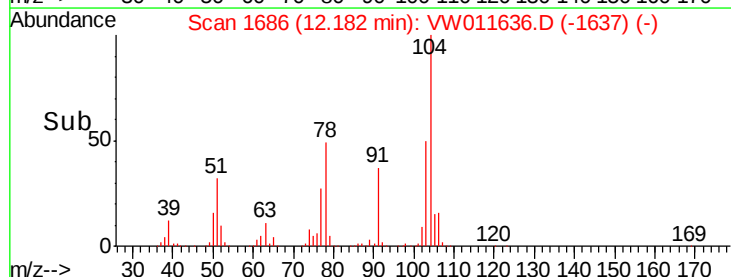
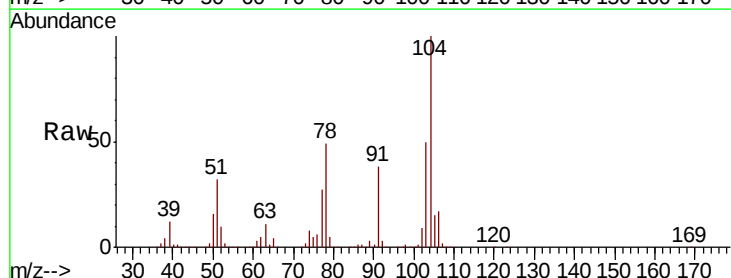
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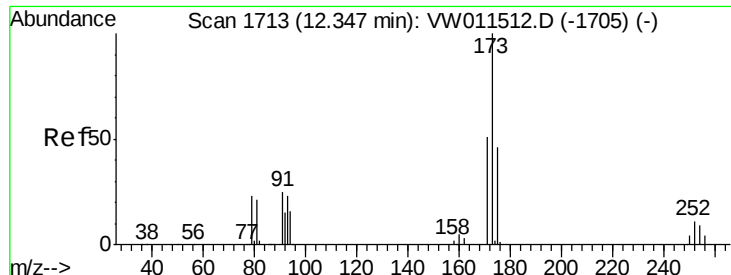
MMDadoda  
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#70  
Styrene  
Concen: 20.813 ug/l  
RT: 12.18 min Scan# 1686  
Delta R.T. -0.00 min  
Lab File: VW011636.D  
Acq: 02 Aug 2019 23:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 53.8  | 43.4  | 65.0  |
| 103     | 54.9  | 43.9  | 65.9  |





#71

Bromoform

Concen: 20.972 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011636.D

Acq: 02 Aug 2019 23:32

Instrument :

MSVOA\_W

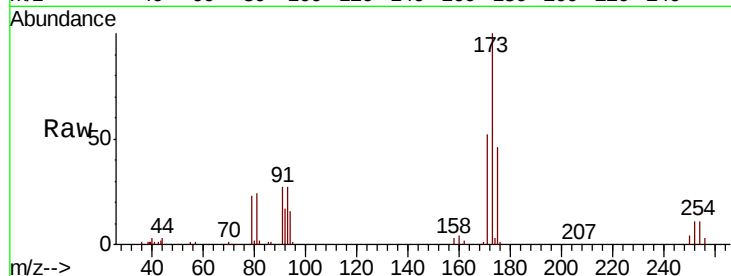
ClientSampleId :

VW0803SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 47.8  | 23.6  | 71.0  |
| 254     | 0.0   | 0.1   | 0.1#  |

Manual Integrations  
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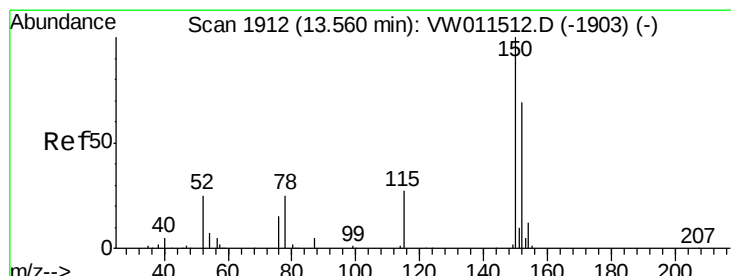
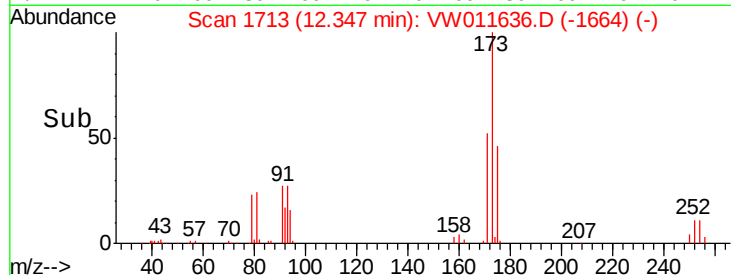
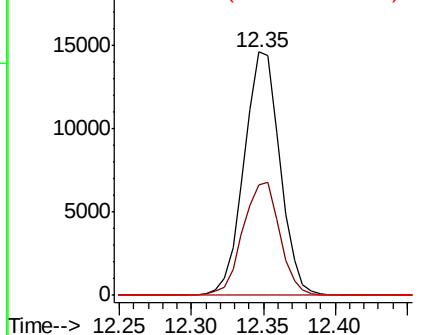


Abundance

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

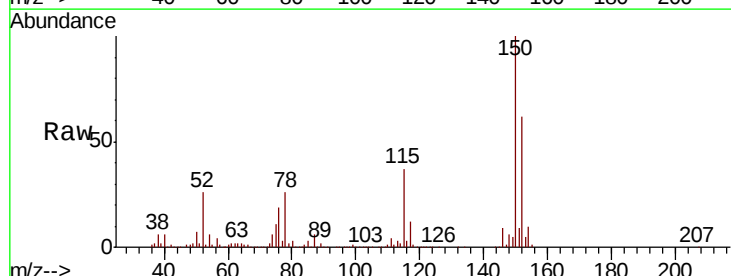
RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011636.D

Acq: 02 Aug 2019 23:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 61.0  | 30.5  | 91.5  |
| 150     | 166.1 | 0.0   | 352.6 |

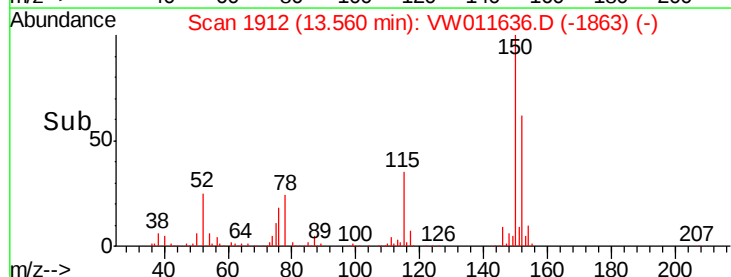
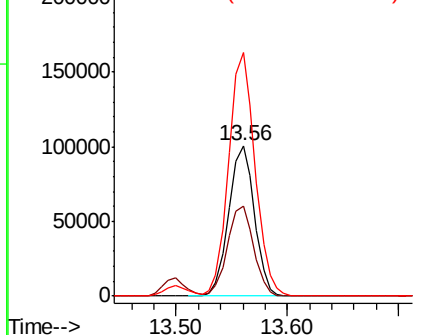


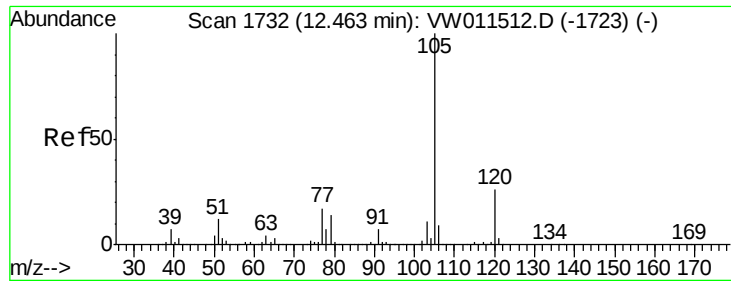
Abundance

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: 20.304 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011636.D

Acq: 02 Aug 2019 23:32

Instrument :

MSVOA\_W

ClientSampled :

VW0803SBS01

Tot Ion: 105 Resp: 243663

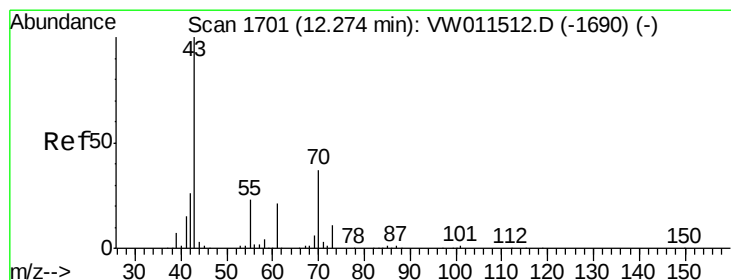
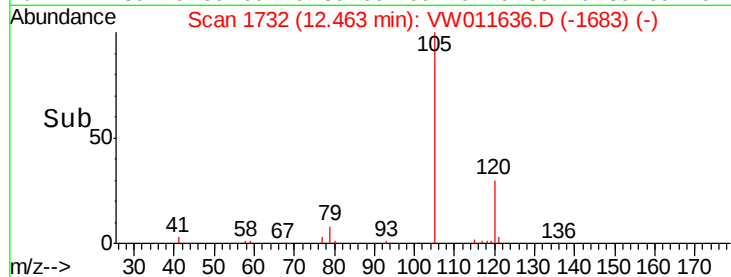
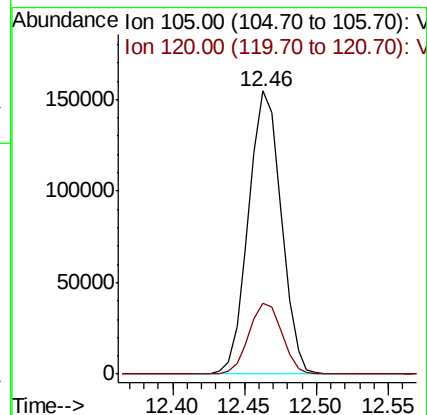
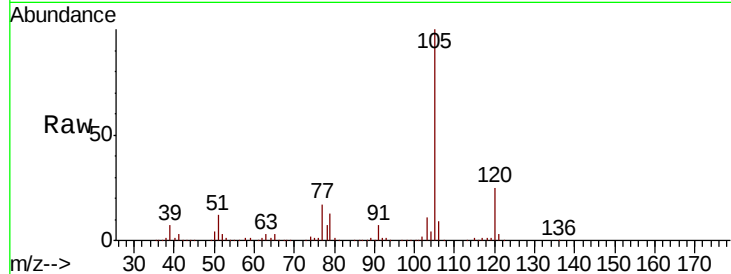
Ion Ratio Lower Upper

105 100

120 25.3 12.9 38.7

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#74

N-ethyl acetate

Concen: 21.336 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011636.D

Acq: 02 Aug 2019 23:32

Tgt Ion: 43 Resp: 80161

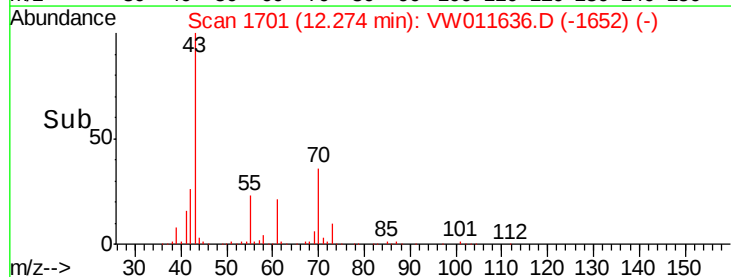
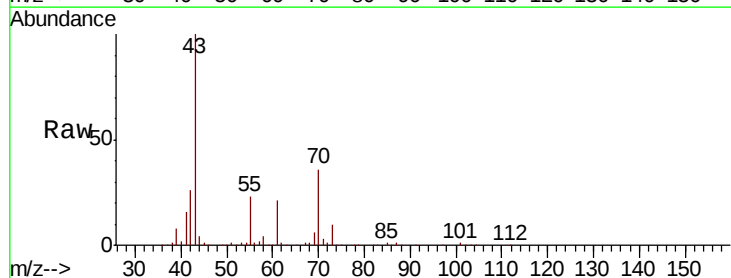
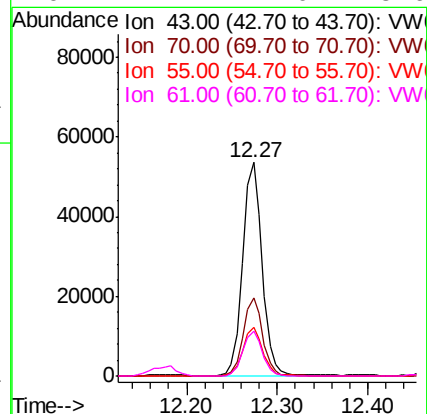
Ion Ratio Lower Upper

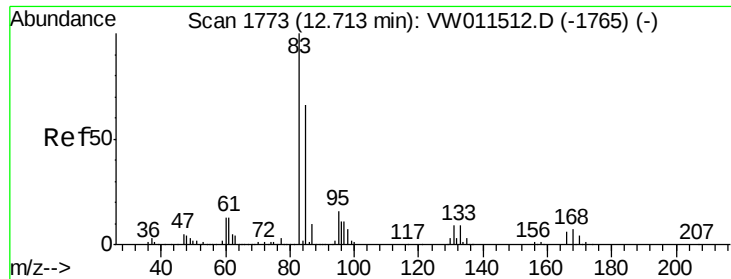
43 100

70 36.1 28.6 43.0

55 23.6 17.8 26.8

61 21.2 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.706 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011636.D

Acq: 02 Aug 2019 23:32

Instrument :

MSVOA\_W

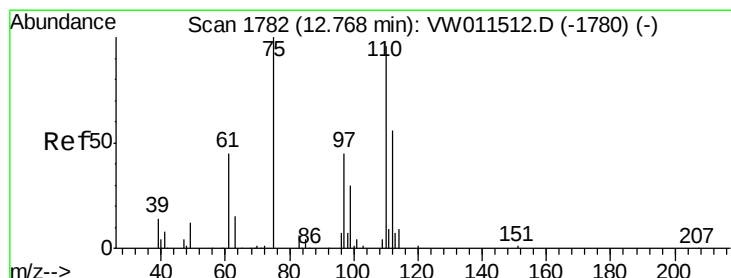
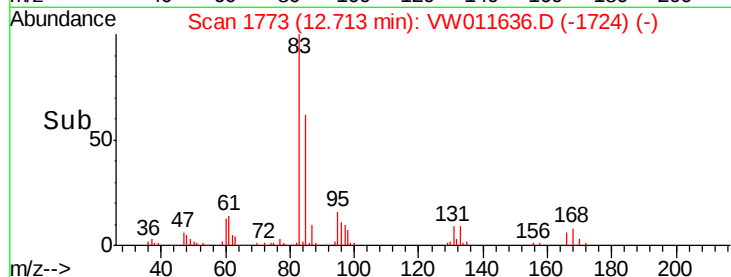
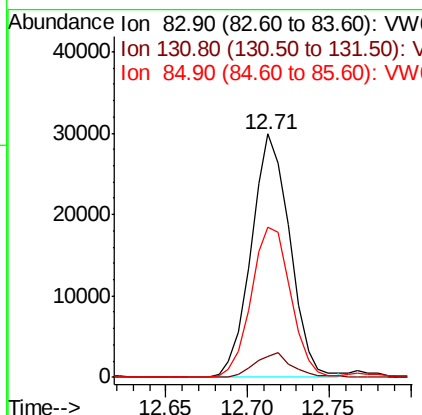
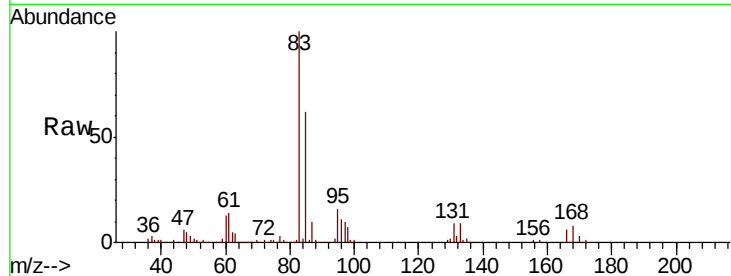
ClientSampleId :

VW0803SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 48996 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 9.9   | 4.9   | 14.6  |
| 85        | 63.6  | 31.8  | 95.4  |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 20.030 ug/l m

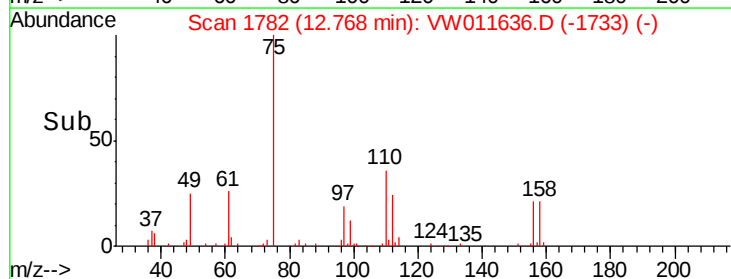
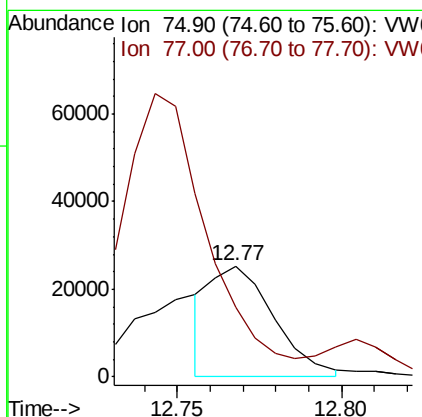
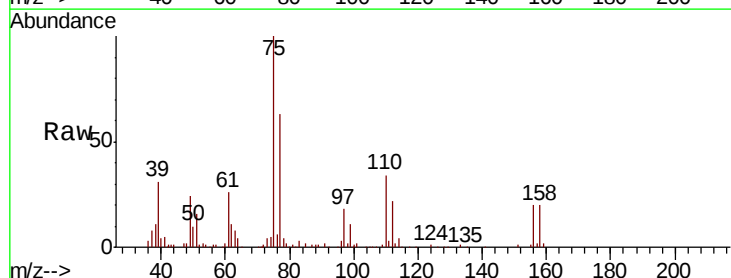
RT: 12.77 min Scan# 1782

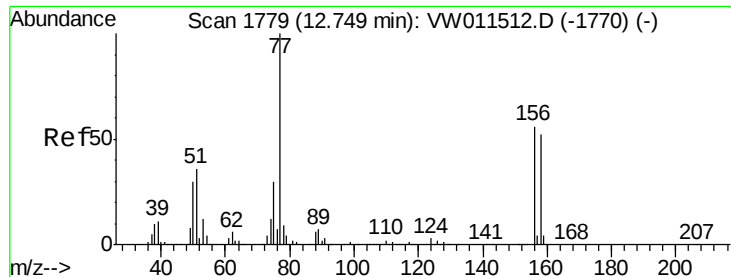
Delta R.T. -0.00 min

Lab File: VW011636.D

Acq: 02 Aug 2019 23:32

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 34093 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 20.492 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW011636.D

Acq: 02 Aug 2019 23:32

Instrument :

MSVOA\_W

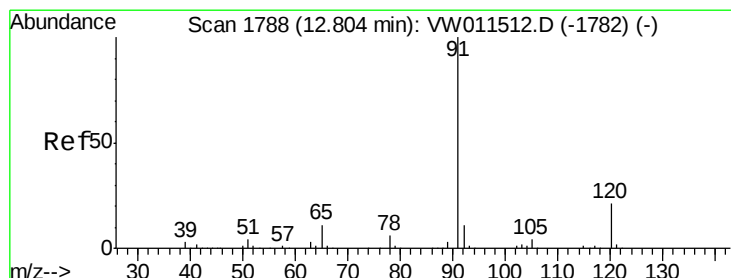
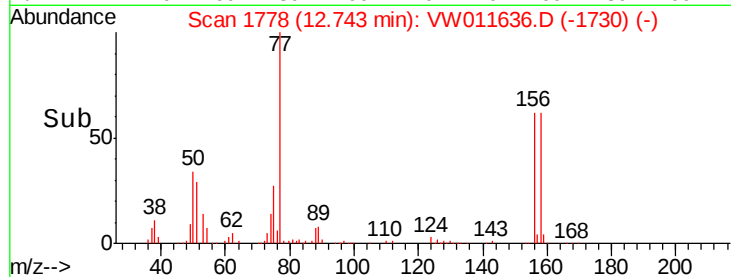
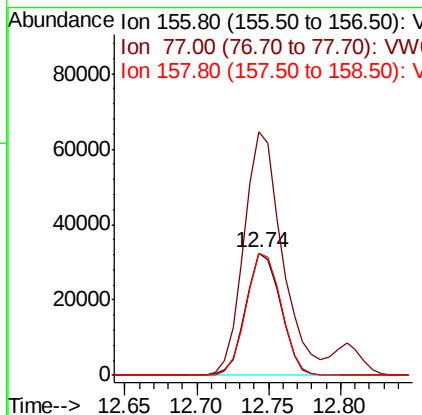
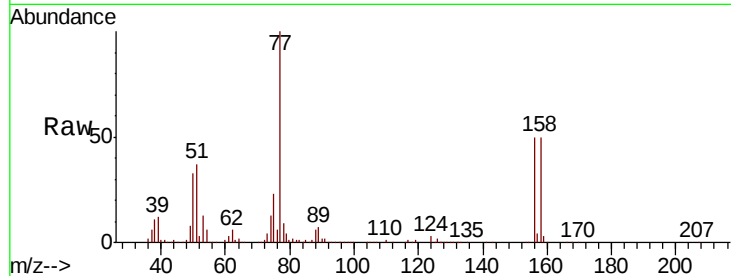
ClientSampleId :

VW0803SBS01

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 156     | 100   |       |       |       |
| 77      | 219.4 | 106.5 | 319.4 |       |
| 158     | 100.7 | 48.0  | 144.2 |       |

Manual Integrations  
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#78

n-propylbenzene

Concen: 20.192 ug/l

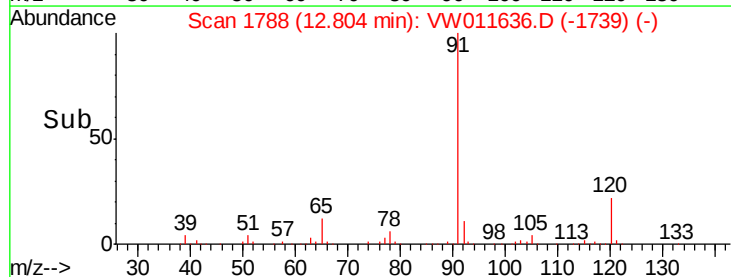
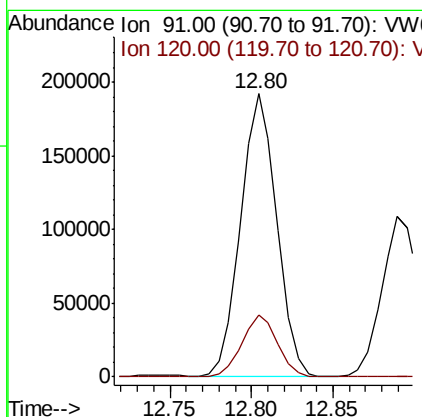
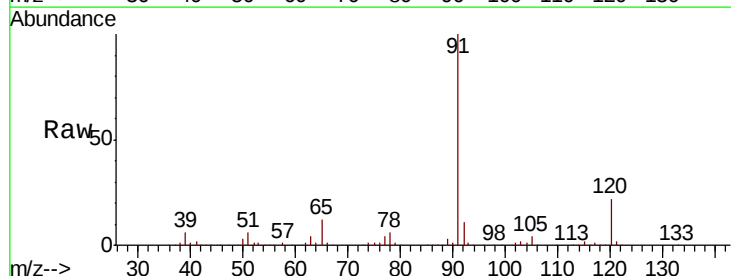
RT: 12.80 min Scan# 1788

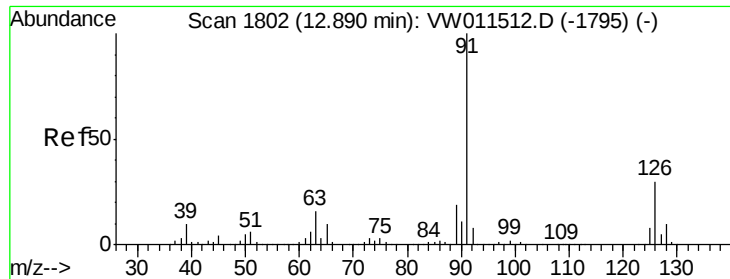
Delta R.T. -0.00 min

Lab File: VW011636.D

Acq: 02 Aug 2019 23:32

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 91      | 100  |       |       |       |
| 120     | 21.6 | 10.9  | 32.7  |       |





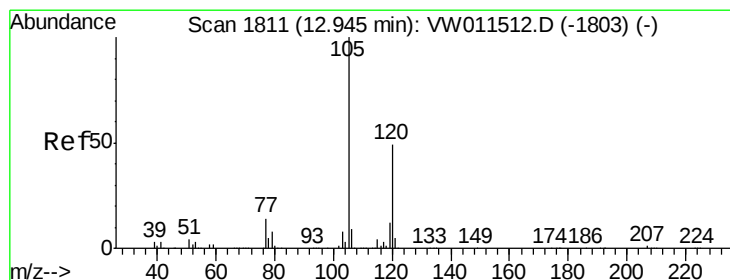
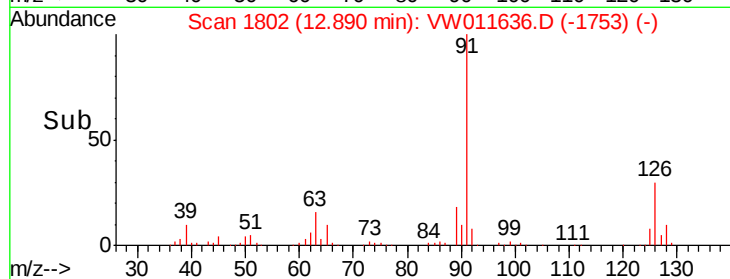
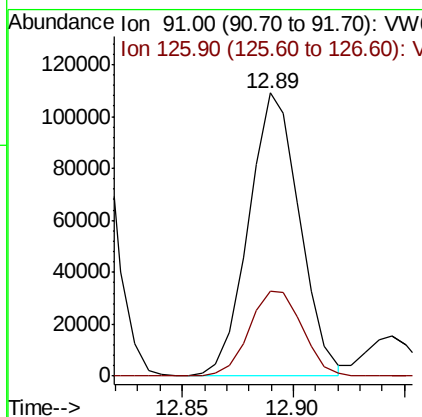
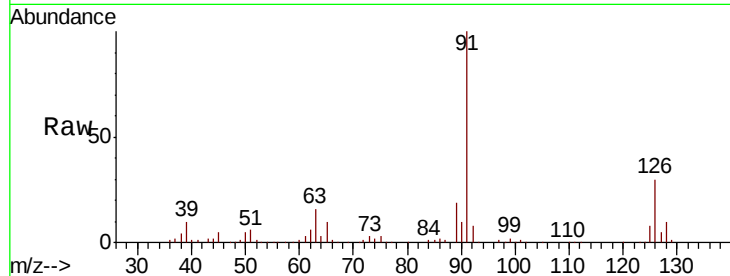
#79  
2-Chlorotoluene  
Concen: 20.589 ug/l  
RT: 12.89 min Scan# 1802  
Delta R.T. -0.00 min  
Lab File: VW011636.D  
Acq: 02 Aug 2019 23:32

Instrument :  
MSVOA\_W  
ClientSampled :  
VW0803SBS01

Tot Ion: 91 Resp: 173233  
Ion Ratio Lower Upper  
91 100  
126 31.2 15.7 47.1

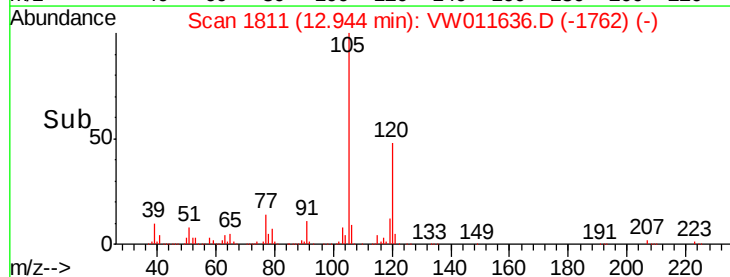
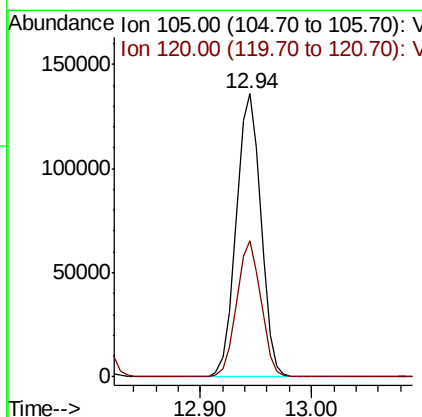
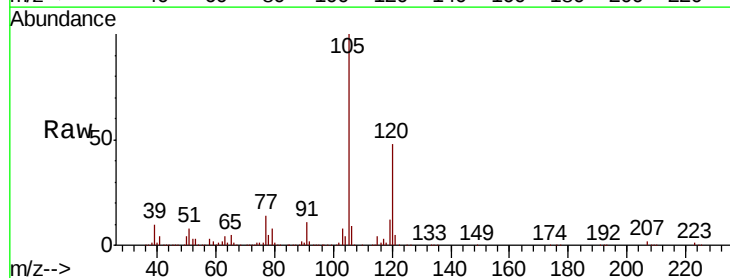
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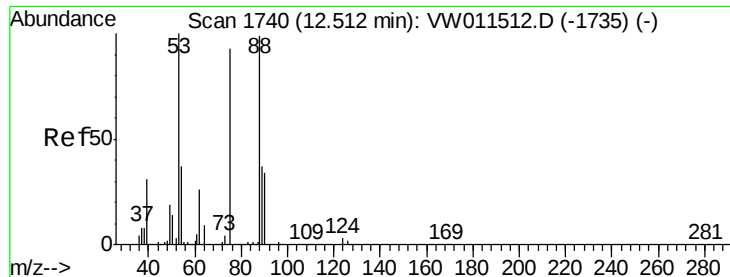
MMDadoda  
8/6/2019 9:20:00 AM



#80  
1,3,5-Trimethylbenzene  
Concen: 20.683 ug/l  
RT: 12.94 min Scan# 1811  
Delta R.T. -0.00 min  
Lab File: VW011636.D  
Acq: 02 Aug 2019 23:32

Tgt Ion: 105 Resp: 208064  
Ion Ratio Lower Upper  
105 100  
120 47.4 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 19.469 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW011636.D

Acq: 02 Aug 2019 23:32

Instrument :

MSVOA\_W

ClientSampled :

VW0803SBS01

Tot Ion: 75 Resp: 14379

Ion Ratio Lower Upper

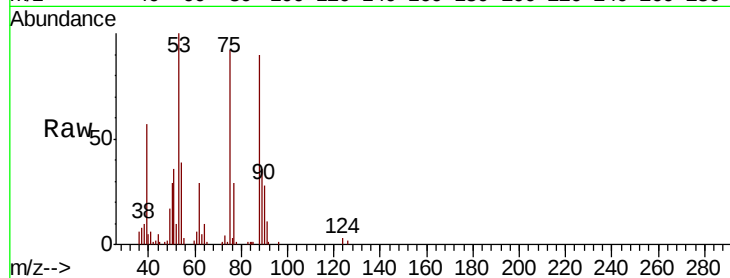
75 100

53 115.3 88.0 132.0

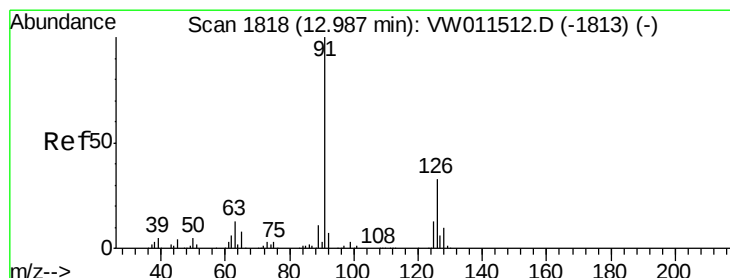
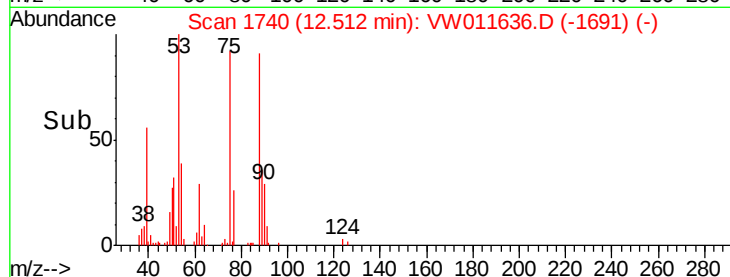
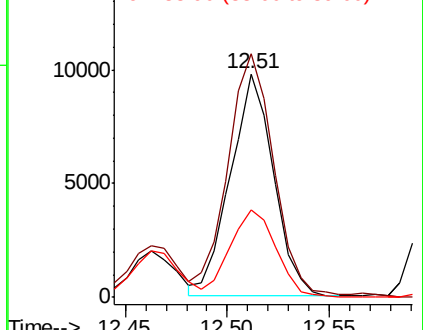
89 41.9 35.3 52.9

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Abundance Ion 74.90 (74.60 to 75.60): VW  
Ion 53.00 (52.70 to 53.70): VW  
Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 20.408 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW011636.D

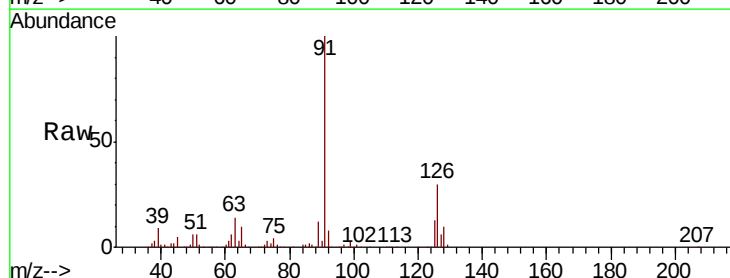
Acq: 02 Aug 2019 23:32

Tgt Ion: 91 Resp: 180156

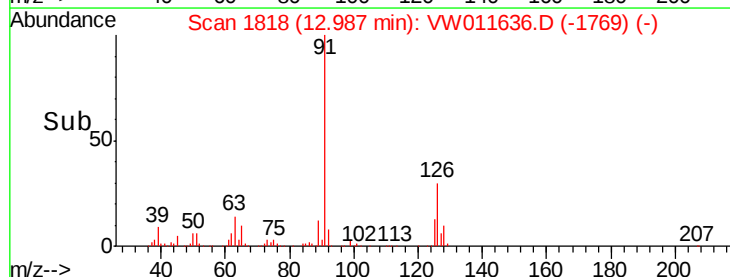
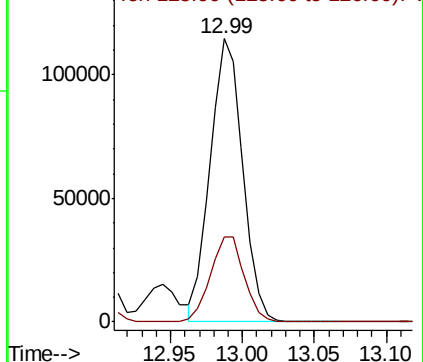
Ion Ratio Lower Upper

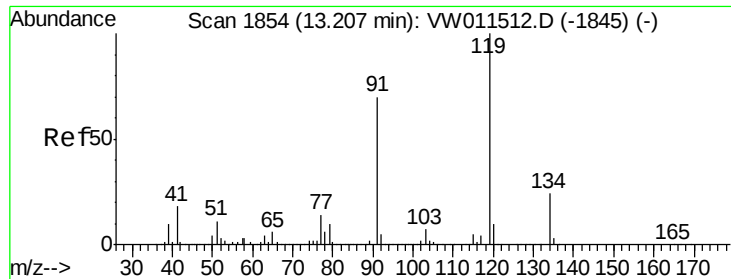
91 100

126 31.4 15.6 46.8



Abundance Ion 91.00 (90.70 to 91.70): VW  
Ion 125.90 (125.60 to 126.60): V





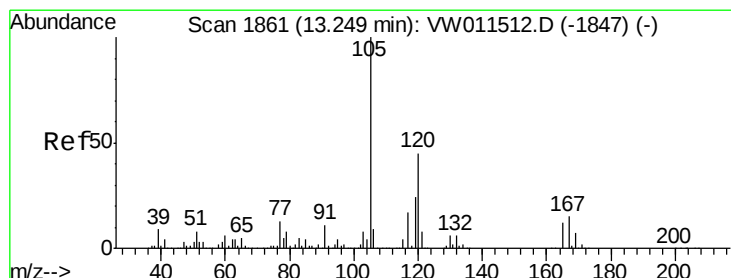
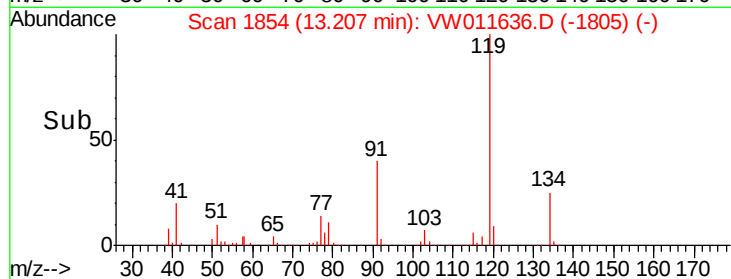
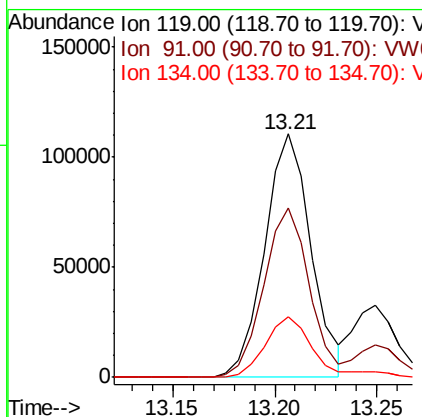
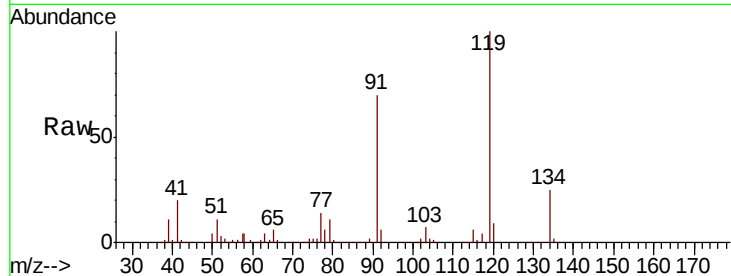
#83  
tert-Butylbenzene  
Concen: 20.757 ug/l  
RT: 13.21 min Scan# 1854  
Delta R.T. -0.00 min  
Lab File: VW011636.D  
Acq: 02 Aug 2019 23:32

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0803SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 68.2  | 34.5  | 103.6 |
| 134     | 26.6  | 12.4  | 37.4  |

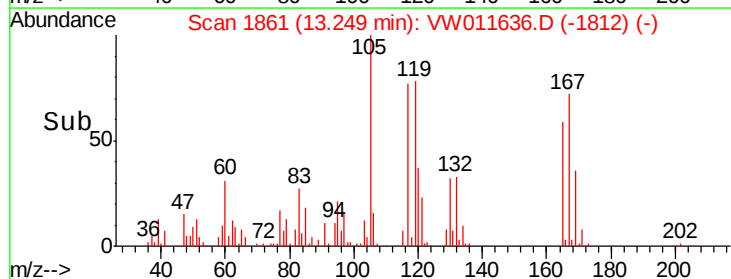
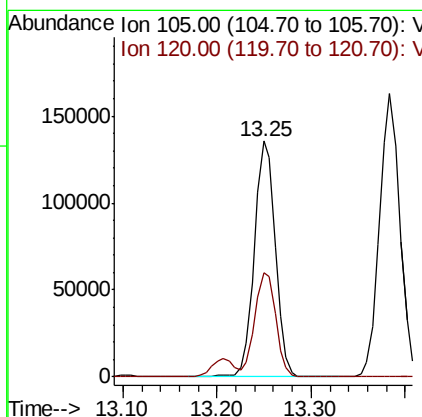
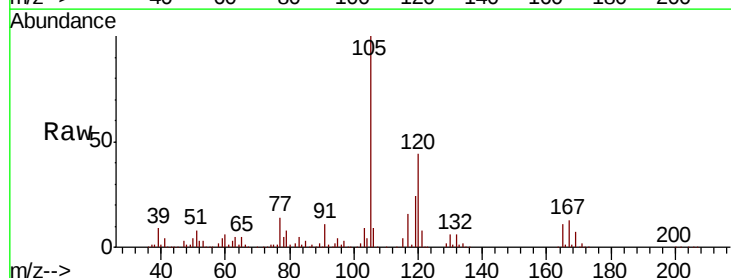
Manual Integrations  
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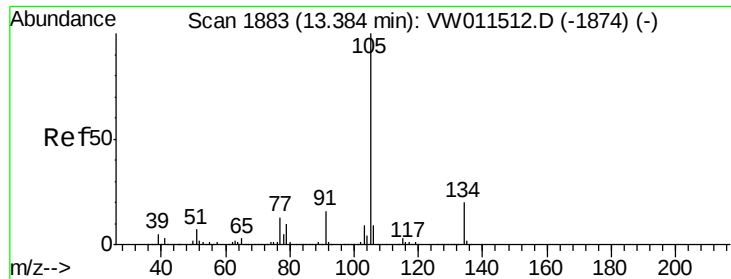
MMDadoda  
8/6/2019 9:20:00 AM



#84  
1,2,4-Trimethylbenzene  
Concen: 20.840 ug/l  
RT: 13.25 min Scan# 1861  
Delta R.T. -0.00 min  
Lab File: VW011636.D  
Acq: 02 Aug 2019 23:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.2  | 22.1  | 66.5  |





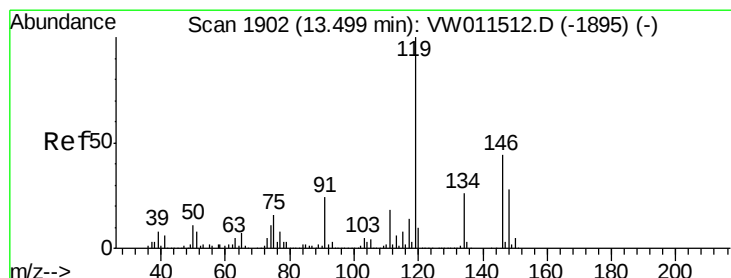
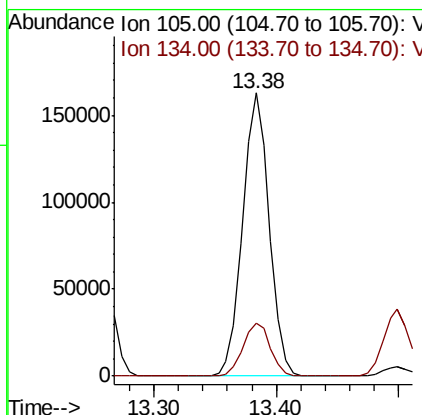
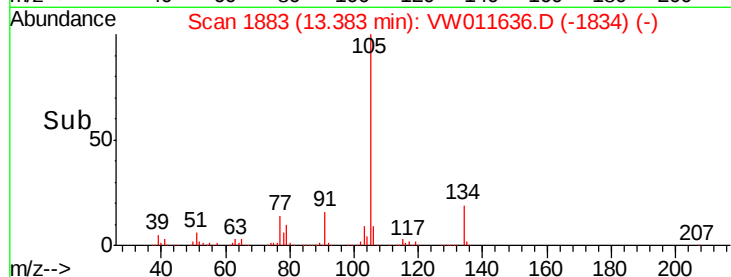
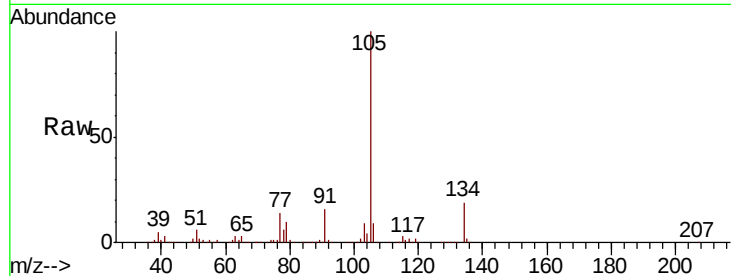
#85  
 sec-Butylbenzene  
 Concen: 20.354 ug/l  
 RT: 13.38 min Scan# 1883  
 Delta R.T. -0.00 min  
 Lab File: VW011636.D  
 Acq: 02 Aug 2019 23:32

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0803SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 244306 |       |       |
| 134     | 19.4  | 9.7    | 29.1  |       |

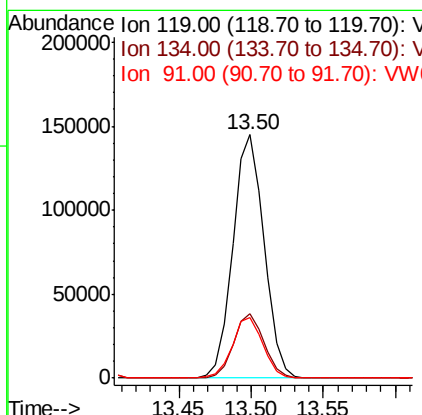
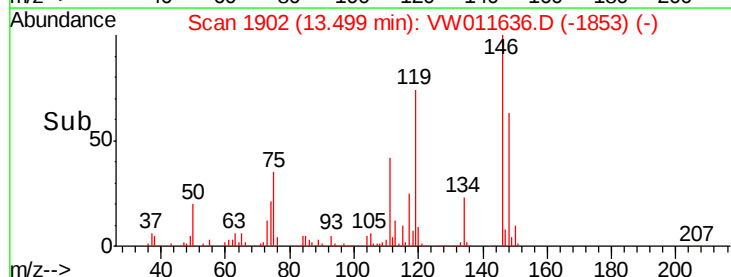
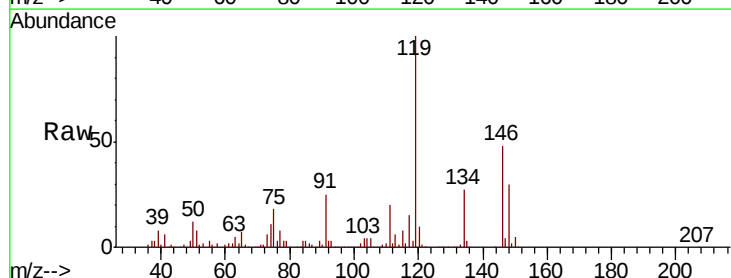
Manual Integrations  
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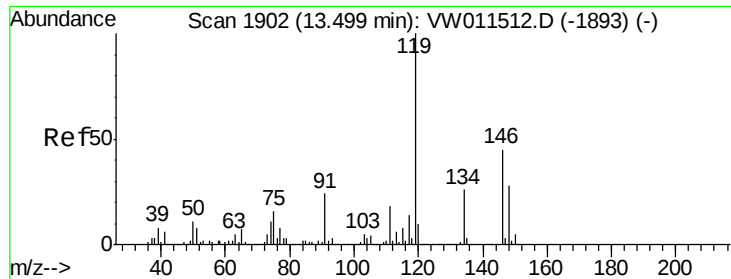
MMDadoda  
 8/6/2019 9:20:00 AM



#86  
 p-Isopropyltoluene  
 Concen: 20.053 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. -0.00 min  
 Lab File: VW011636.D  
 Acq: 02 Aug 2019 23:32

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 218390 |       |       |
| 134     | 25.8  | 12.8   | 38.4  |       |
| 91      | 24.6  | 12.1   | 36.3  |       |





#87

1,3-Dichlorobenzene

Concen: 20.756 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011636.D

Acq: 02 Aug 2019 23:32

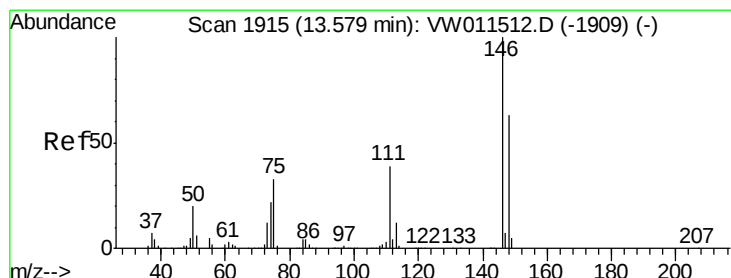
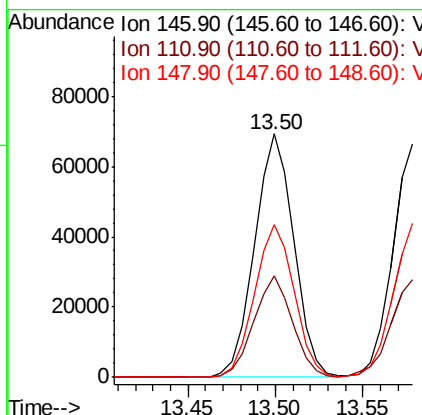
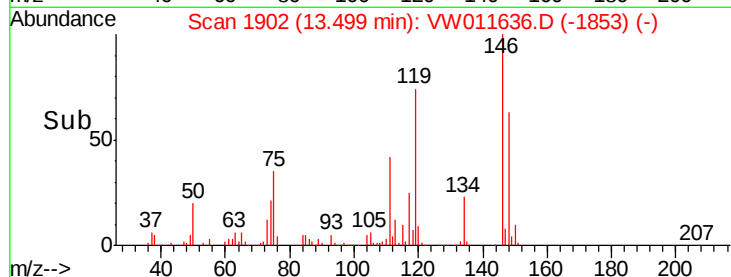
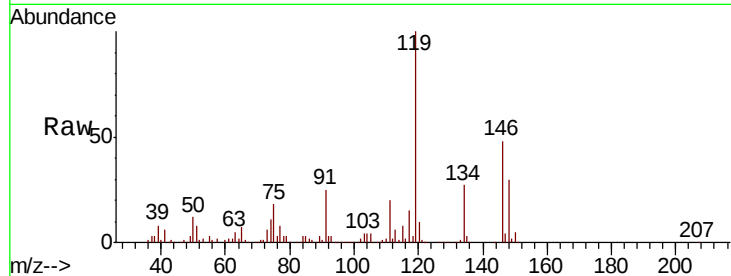
Instrument :  
MSVOA\_W

ClientSampleId :  
VW0803SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 107951 |       |       |
| 111     | 40.9  | 20.5   | 61.6  |       |
| 148     | 63.3  | 31.8   | 95.3  |       |

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#88

1,4-Dichlorobenzene

Concen: 20.469 ug/l

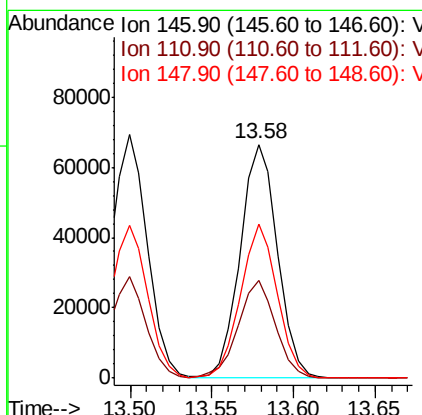
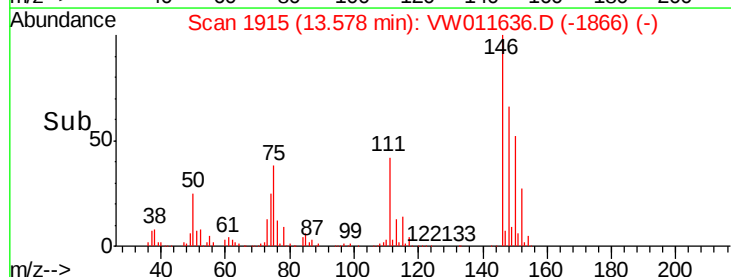
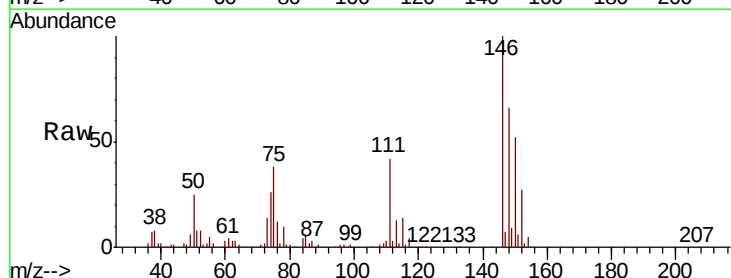
RT: 13.58 min Scan# 1915

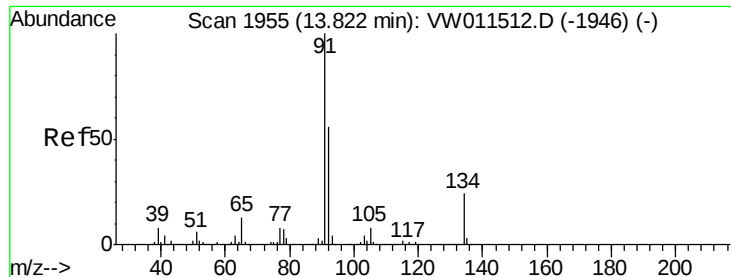
Delta R.T. -0.00 min

Lab File: VW011636.D

Acq: 02 Aug 2019 23:32

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 105903 |       |       |
| 111     | 42.0  | 20.1   | 60.2  |       |
| 148     | 65.1  | 31.9   | 95.9  |       |





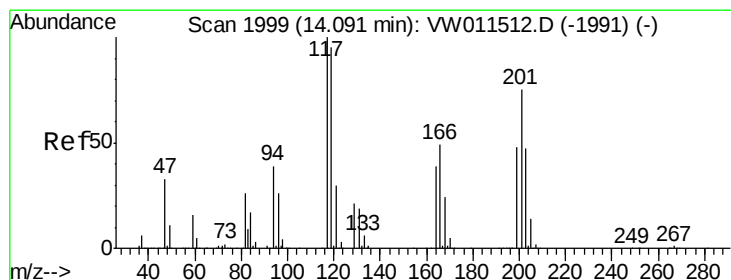
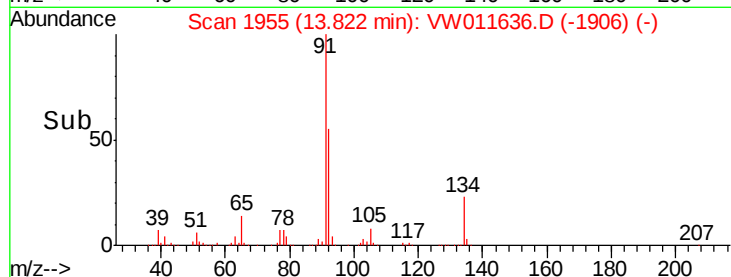
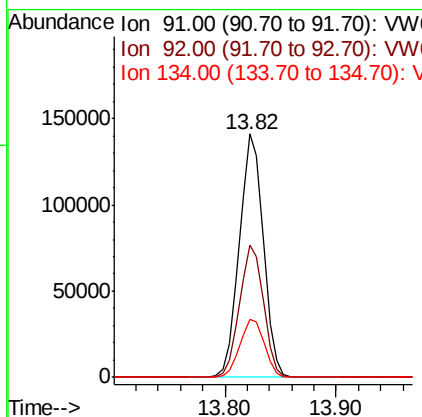
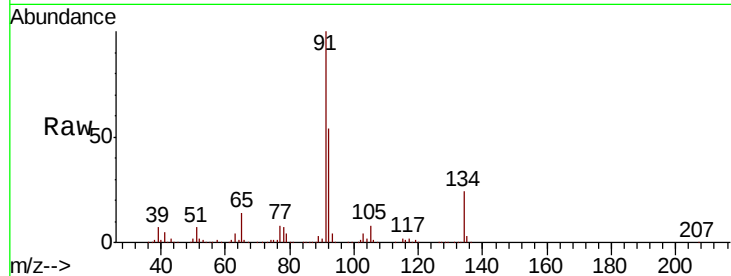
#89  
n-Butylbenzene  
Concen: 19.361 ug/l  
RT: 13.82 min Scan# 1955  
Delta R.T. -0.00 min  
Lab File: VW011636.D  
Acq: 02 Aug 2019 23:32

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0803SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 210419 |       |       |
| 92      | 54.2  |        | 27.5  | 82.4  |
| 134     | 24.4  |        | 12.2  | 36.6  |

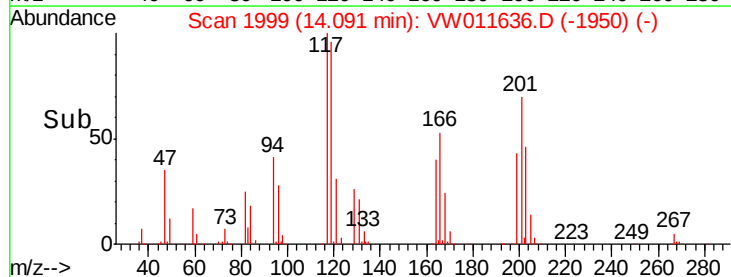
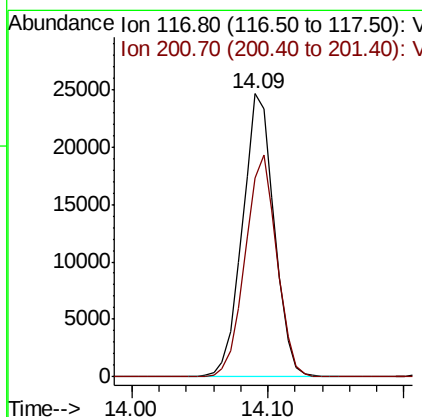
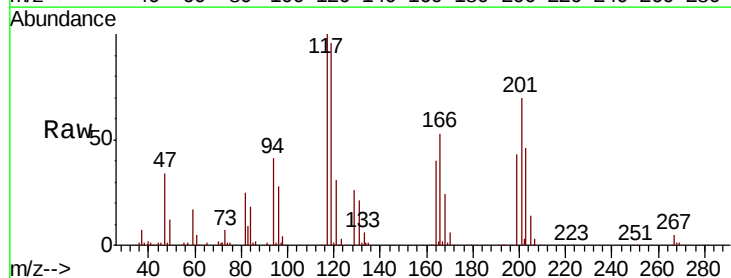
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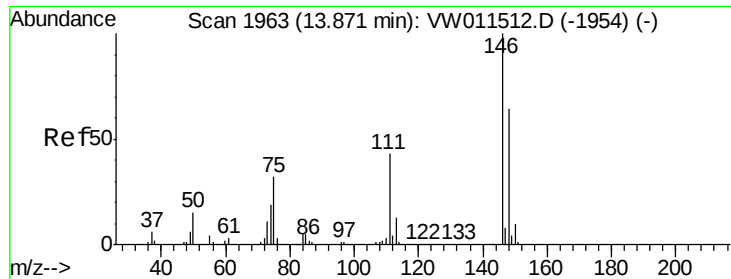
MMDadoda  
8/6/2019 9:20:00 AM



#90  
Hexachloroethane  
Concen: 20.826 ug/l  
RT: 14.09 min Scan# 1999  
Delta R.T. -0.00 min  
Lab File: VW011636.D  
Acq: 02 Aug 2019 23:32

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 117     | 100   | 40106 |       |       |
| 201     | 78.1  |       | 39.4  | 118.2 |





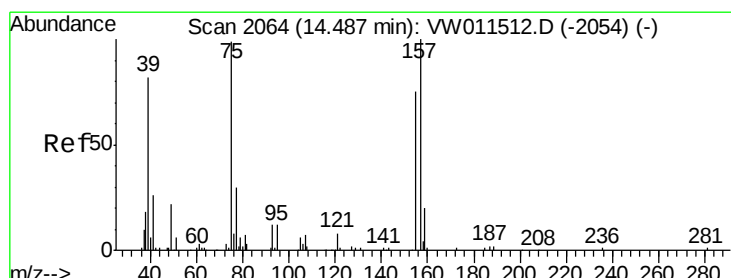
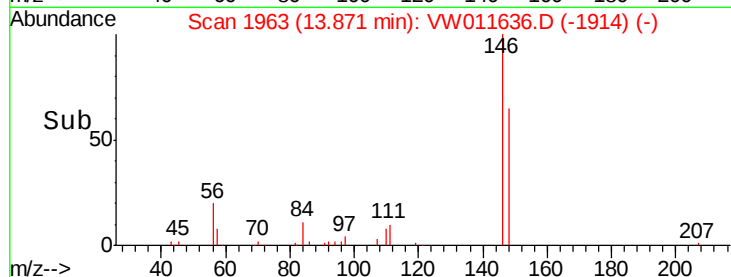
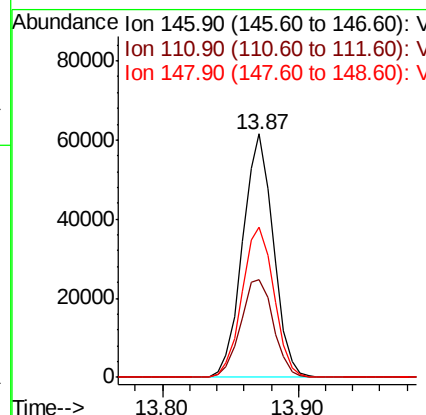
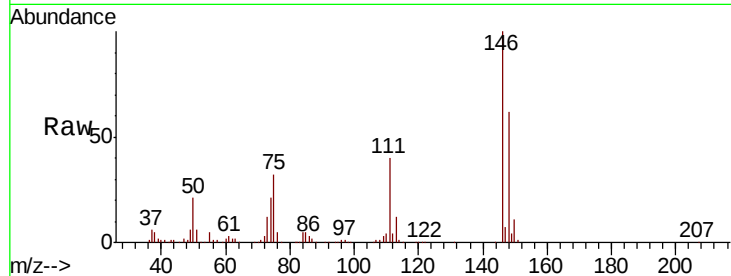
#91  
 1,2-Dichlorobenzene  
 Concen: 21.077 ug/l  
 RT: 13.87 min Scan# 1963  
 Delta R.T. -0.00 min  
 Lab File: VW011636.D  
 Acq: 02 Aug 2019 23:32

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0803SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.7  | 21.6  | 65.0  |
| 148     | 64.2  | 32.0  | 96.2  |

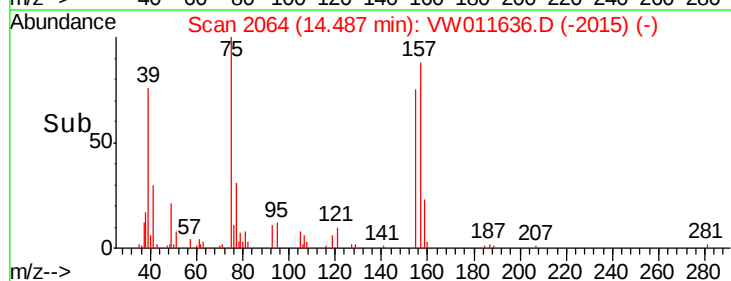
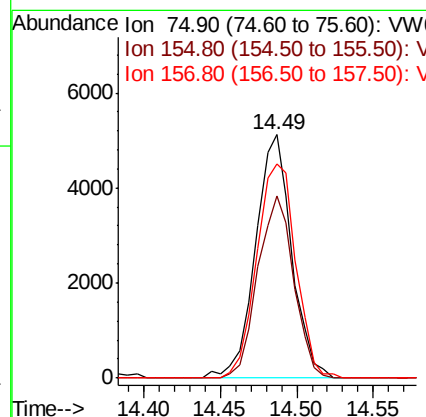
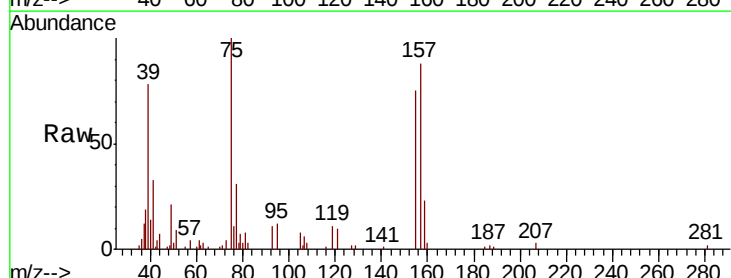
Manual Integrations  
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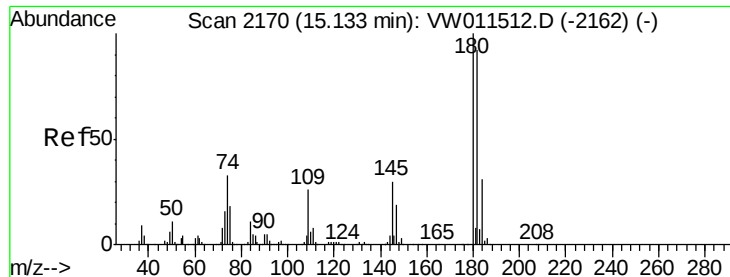
MMDadoda  
 8/6/2019 9:20:00 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 21.890 ug/l  
 RT: 14.49 min Scan# 2064  
 Delta R.T. -0.00 min  
 Lab File: VW011636.D  
 Acq: 02 Aug 2019 23:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 74.0  | 38.2  | 114.6 |
| 157     | 95.2  | 48.9  | 146.7 |





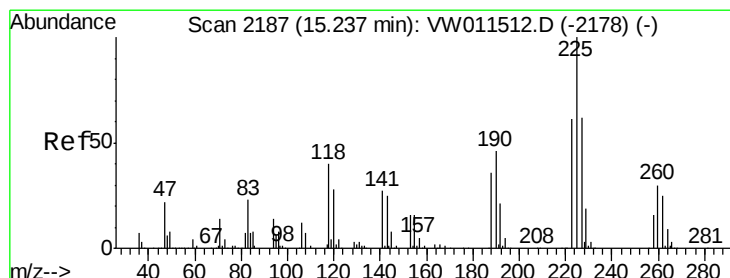
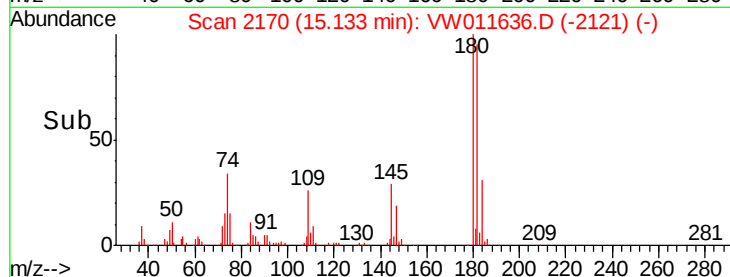
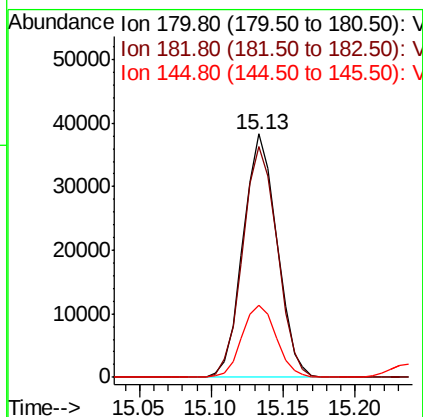
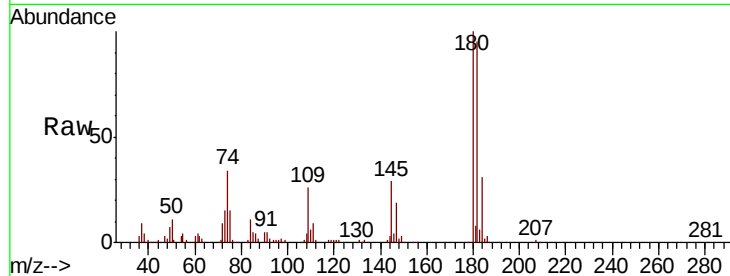
#93  
 1,2,4-Trichlorobenzene  
 Concen: 19.308 ug/l  
 RT: 15.13 min Scan# 2170  
 Delta R.T. -0.00 min  
 Lab File: VW011636.D  
 Acq: 02 Aug 2019 23:32

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0803SBS01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 62596 |       |       |
| 182     | 96.3  |       | 47.4  | 142.2 |
| 145     | 30.1  |       | 15.4  | 46.1  |

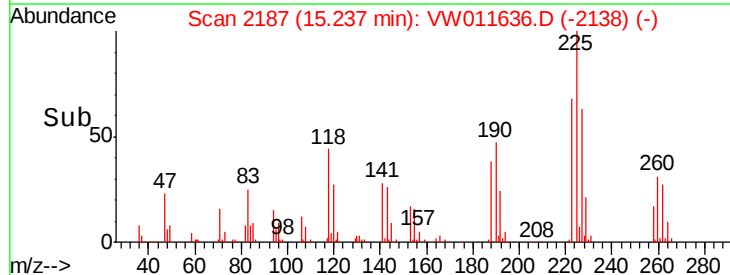
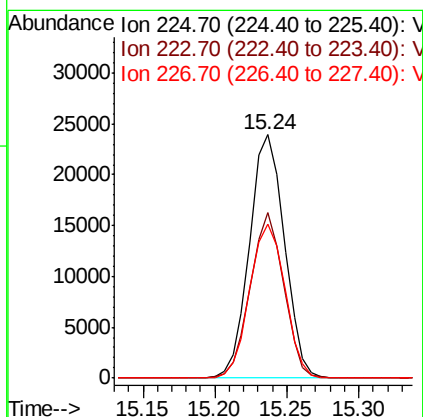
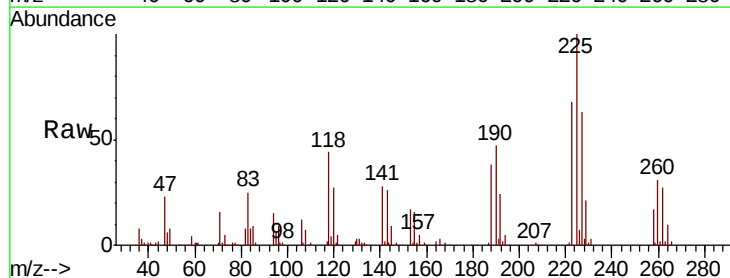
Manual Integrations  
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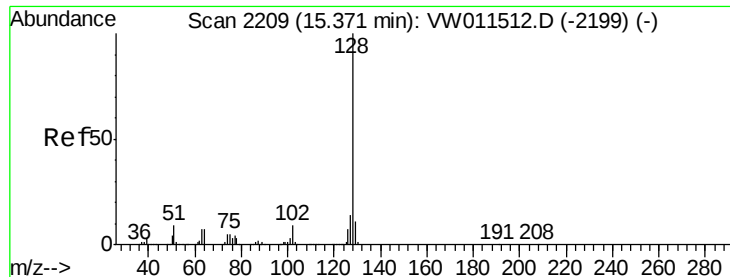
MMDadoda  
 8/6/2019 9:20:00 AM



#94  
 Hexachlorobutadiene  
 Concen: 19.826 ug/l  
 RT: 15.24 min Scan# 2187  
 Delta R.T. -0.00 min  
 Lab File: VW011636.D  
 Acq: 02 Aug 2019 23:32

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 40083 |       |       |
| 223     | 65.3  |       | 30.8  | 92.3  |
| 227     | 64.0  |       | 31.6  | 94.7  |





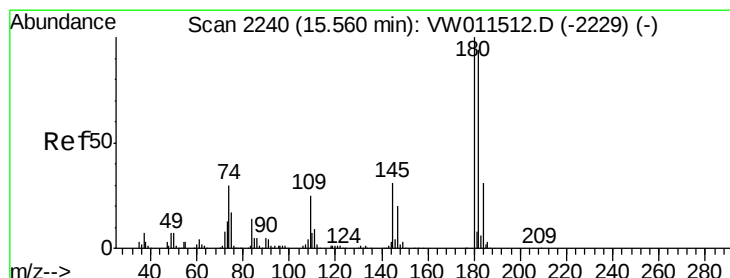
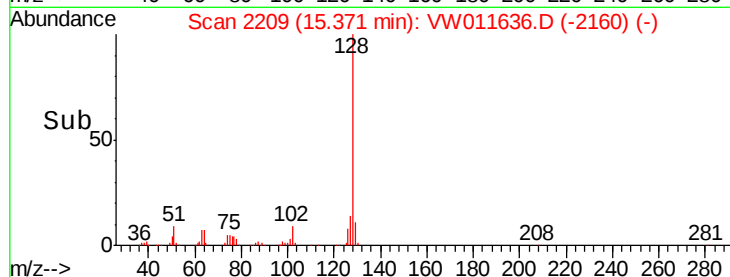
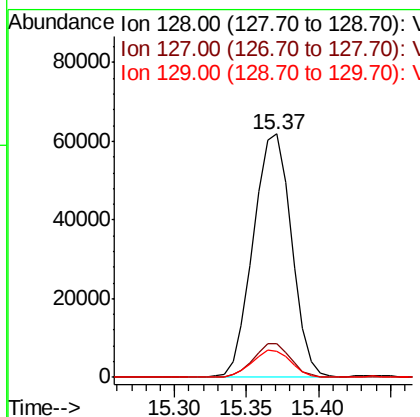
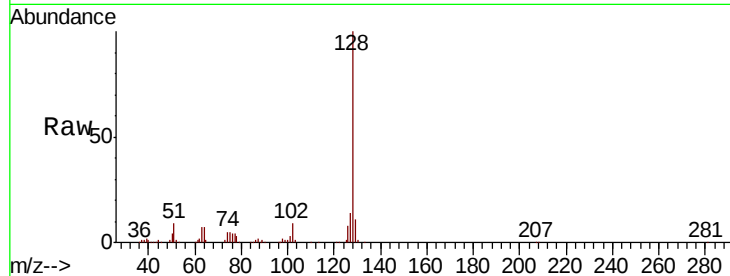
#95  
Naphthalene  
Concen: 19.280 ug/l  
RT: 15.37 min Scan# 2209  
Delta R.T. 0.00 min  
Lab File: VW011636.D  
Acq: 02 Aug 2019 23:32

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0803SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 114030 |       |       |
| 127     | 13.4  | 10.6   | 16.0  |       |
| 129     | 11.3  | 8.6    | 13.0  |       |

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8/6/2019 9:20:00 AM



#96  
1,2,3-Trichlorobenzene  
Concen: 19.975 ug/l  
RT: 15.56 min Scan# 2240  
Delta R.T. -0.00 min  
Lab File: VW011636.D  
Acq: 02 Aug 2019 23:32

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 56765 |       |       |
| 182     | 95.0  | 47.4  | 142.2 |       |
| 145     | 32.1  | 15.9  | 47.7  |       |

