

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052019\  
 Data File : VW010458.D  
 Acq On : 20 May 2019 20:33  
 Operator : SY/VA  
 Sample : VW0520SBS01  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0520SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 5/21/2019 11:29:02 AM

Quant Time: May 21 07:02:36 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W052019S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 21 06:38:43 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 131529   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 238761   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 213975   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 101836   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 77431    | 57.04 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 114.08% |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 76145    | 52.56 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.12% |      |
| 50) Toluene-d8            | 10.32  | 98  | 296121   | 53.50 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 107.00% |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 115493   | 52.39 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.78% |      |

## Target Compounds

|                               |      |     |        |         |        | Qvalue |
|-------------------------------|------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.00 | 85  | 19905  | 16.801  | ug/l   | 98     |
| 3) Chloromethane              | 2.21 | 50  | 24890  | 18.011  | ug/l   | 97     |
| 4) Vinyl Chloride             | 2.35 | 62  | 28365  | 17.720  | ug/l   | 99     |
| 5) Bromomethane               | 2.73 | 94  | 21507  | 19.530  | ug/l   | 100    |
| 6) Chloroethane               | 2.90 | 64  | 19891  | 19.357  | ug/l   | 97     |
| 7) Trichlorofluoromethane     | 3.24 | 101 | 45414  | 19.217  | ug/l   | 100    |
| 8) Diethyl Ether              | 3.68 | 74  | 15620  | 20.851  | ug/l   | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101 | 28451  | 19.549  | ug/l   | 99     |
| 10) Methyl Iodide             | 4.26 | 142 | 27057  | 16.265  | ug/l   | 98     |
| 11) Tert butyl alcohol        | 5.17 | 59  | 12706  | 104.049 | ug/l   | 95     |
| 12) 1,1-Dichloroethene        | 4.03 | 96  | 27335  | 19.676  | ug/l   | 97     |
| 13) Acrolein                  | 3.89 | 56  | 10161  | 132.295 | ug/l   | 94     |
| 14) Allyl chloride            | 4.67 | 41  | 40166  | 19.973  | ug/l   | 98     |
| 15) Acrylonitrile             | 5.37 | 53  | 32840  | 104.673 | ug/l   | 99     |
| 16) Acetone                   | 4.12 | 43  | 27511  | 99.276  | ug/l   | 99     |
| 17) Carbon Disulfide          | 4.37 | 76  | 77769  | 18.767  | ug/l   | 99     |
| 18) Methyl Acetate            | 4.67 | 43  | 15608  | 23.029  | ug/l   | 96     |
| 19) Methyl tert-butyl Ether   | 5.43 | 73  | 74813  | 21.123  | ug/l   | 95     |
| 20) Methylene Chloride        | 4.92 | 84  | 34360  | 17.873  | ug/l   | 98     |
| 21) trans-1,2-Dichloroethene  | 5.42 | 96  | 32109  | 20.149  | ug/l   | 93     |
| 22) Diisopropyl ether         | 6.31 | 45  | 84628  | 20.523  | ug/l   | 98     |
| 23) Vinyl Acetate             | 6.26 | 43  | 244982 | 99.460  | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 6.21 | 63  | 49967  | 20.306  | ug/l   | 98     |
| 25) 2-Butanone                | 7.17 | 43  | 42129  | 106.231 | ug/l   | 100    |
| 26) 2,2-Dichloropropane       | 7.17 | 77  | 45364  | 19.354  | ug/l   | 98     |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96  | 35540  | 20.514  | ug/l   | 99     |
| 28) Bromochloromethane        | 7.51 | 49  | 19734  | 22.399  | ug/l # | 7      |
| 29) Tetrahydrofuran           | 7.53 | 42  | 28047  | 104.514 | ug/l   | 99     |
| 30) Chloroform                | 7.68 | 83  | 54497  | 20.532  | ug/l   | 98     |
| 31) Cyclohexane               | 7.95 | 56  | 49373  | 19.155  | ug/l # | 96     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97  | 51611  | 20.345  | ug/l   | 98     |
| 36) 1,1-Dichloropropene       | 8.08 | 75  | 42396  | 19.061  | ug/l   | 99     |
| 37) Ethyl Acetate             | 7.26 | 43  | 19146  | 20.243  | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 8.07 | 117 | 45423  | 18.932  | ug/l   | 98     |

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 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleID :  
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Manual Integrations  
 APPROVED

MMDadoda  
 5/21/2019 11:29:02 AM

Quant Time: May 21 07:02:36 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W052019S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 21 06:38:43 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 56185    | 18.855  | ug/l   | 97       |
| 40) Benzene                    | 8.32  | 78   | 121454   | 19.646  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.48  | 41   | 9124     | 16.235  | ug/l # | 84       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 35760    | 20.239  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.43  | 43   | 38142    | 20.186  | ug/l   | 99       |
| 44) Trichloroethene            | 9.09  | 130  | 35454    | 19.318  | ug/l   | 95       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 28967    | 19.729  | ug/l   | 98       |
| 46) Dibromomethane             | 9.46  | 93   | 16874    | 19.652  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.65  | 83   | 42342    | 19.623  | ug/l   | 97       |
| 48) Methyl methacrylate        | 9.43  | 41   | 16552    | 19.147  | ug/l   | 96       |
| 49) 1,4-Dioxane                | 9.45  | 88   | 5898     | 420.493 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 96282    | 100.558 | ug/l   | 100      |
| 52) Toluene                    | 10.39 | 92   | 82928    | 19.975  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.60 | 75   | 41652    | 19.060  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 48775    | 19.543  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 25066    | 20.301  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 33556    | 19.705  | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 41373    | 20.004  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.93  | 63   | 78646    | 104.269 | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.97 | 43   | 67545    | 98.892  | ug/l   | 100      |
| 60) Dibromochloromethane       | 11.13 | 129  | 30110    | 19.268  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 24819    | 19.843  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.86 | 164  | 28920    | 19.388  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.66 | 112  | 88339    | 19.371  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 32181    | 19.699  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.73 | 91   | 156399   | 19.425  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.84 | 106  | 123568   | 39.128  | ug/l   | 99       |
| 69) o-Xylene                   | 12.16 | 106  | 58973    | 19.710  | ug/l   | 100      |
| 70) Styrene                    | 12.18 | 104  | 100095   | 19.717  | ug/l   | 99       |
| 71) Bromoform                  | 12.35 | 173  | 16940    | 18.831  | ug/l # | 97       |
| 73) Isopropylbenzene           | 12.47 | 105  | 158108   | 19.565  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.27 | 43   | 36548    | 19.736  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 28839    | 19.621  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 20803m   | 20.125  | ug/l   |          |
| 77) Bromobenzene               | 12.75 | 156  | 36121    | 19.974  | ug/l   | 97       |
| 78) n-propylbenzene            | 12.80 | 91   | 182415   | 19.370  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.90 | 91   | 108046   | 19.784  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 136014   | 19.873  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 12.51 | 75   | 9098     | 18.369  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 112979   | 19.930  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 13.21 | 119  | 114538   | 19.159  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 13.26 | 105  | 135501   | 19.878  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.38 | 105  | 160977   | 19.241  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.50 | 119  | 146397   | 19.332  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.50 | 146  | 69783    | 19.669  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 70156    | 19.708  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.83 | 91   | 136926   | 19.010  | ug/l   | 100      |
| 90) Hexachloroethane           | 14.10 | 117  | 28596    | 19.509  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 63303    | 19.582  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 5326     | 19.487  | ug/l   | 96       |

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Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0520SBS01

Manual Integrations  
APPROVED

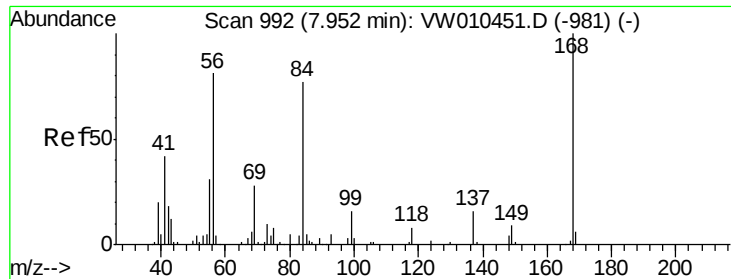
MMDadoda  
5/21/2019 11:29:02 AM

Quant Time: May 21 07:02:36 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W052019S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 21 06:38:43 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.14 | 180  | 40727    | 18.516 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 21757    | 18.516 | ug/l  | 97       |
| 95) Naphthalene            | 15.37 | 128  | 87200    | 18.886 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.56 | 180  | 35600    | 18.810 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010458.D

Acq: 20 May 2019 20:33

Instrument :

MSVOA\_W

ClientSampleId :

VW0520SBS01

Tot Ion:168 Resp: 131529

Ion Ratio Lower Upper

168 100

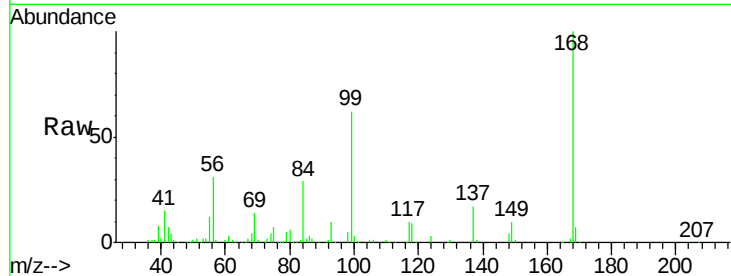
99 61.6 46.1 69.1

Manual Integrations

APPROVED

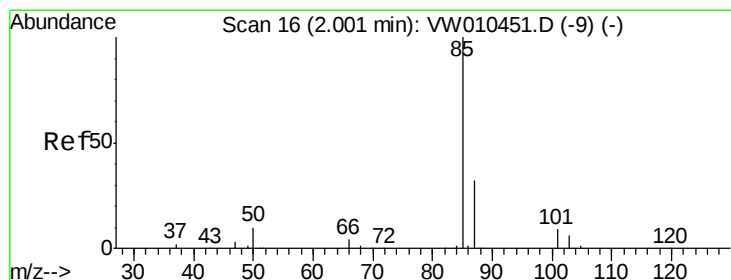
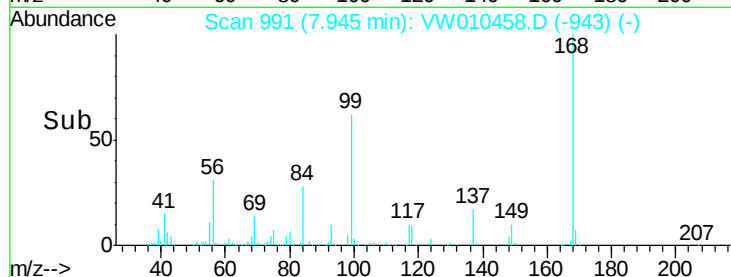
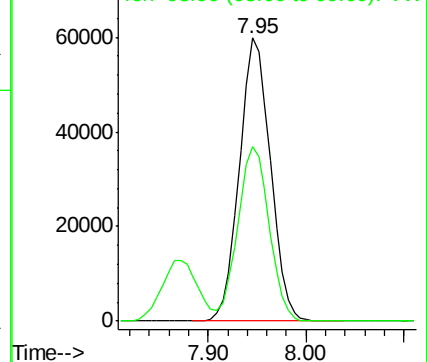
MMDadoda

5/21/2019 11:29:02 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 16.801 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010458.D

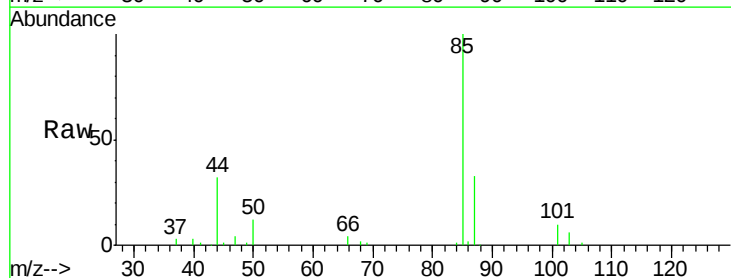
Acq: 20 May 2019 20:33

Tgt Ion: 85 Resp: 19905

Ion Ratio Lower Upper

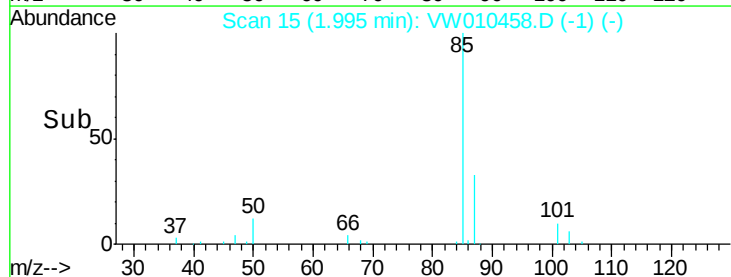
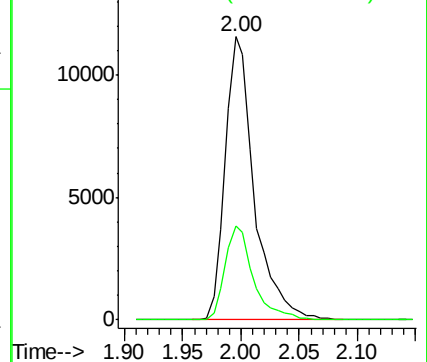
85 100

87 33.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 18.011 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010458.D

Acq: 20 May 2019 20:33

Instrument :

MSVOA\_W

ClientSampleId :

VW0520SBS01

Tot Ion: 50 Resp: 24890

Ion Ratio Lower Upper

50 100

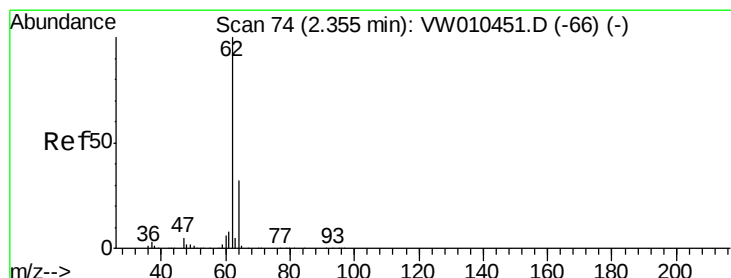
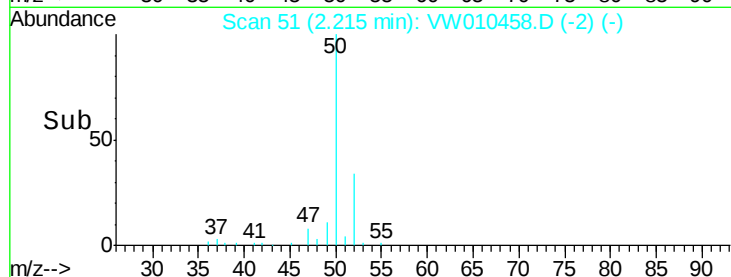
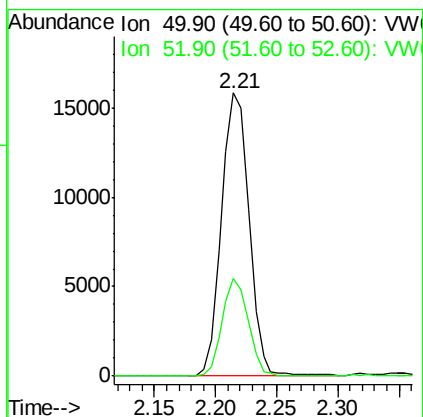
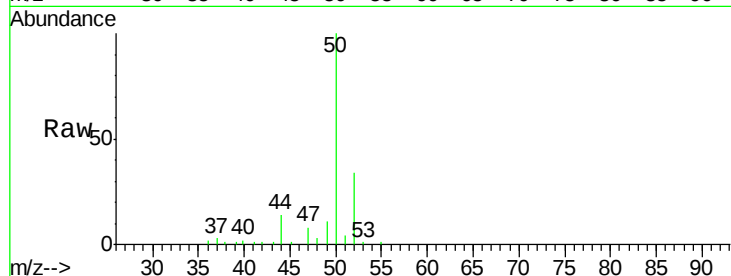
52 34.5 26.3 39.5

Manual Integrations

APPROVED

MMDadoda

5/21/2019 11:29:02 AM



#4

Vinyl Chloride

Concen: 17.720 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010458.D

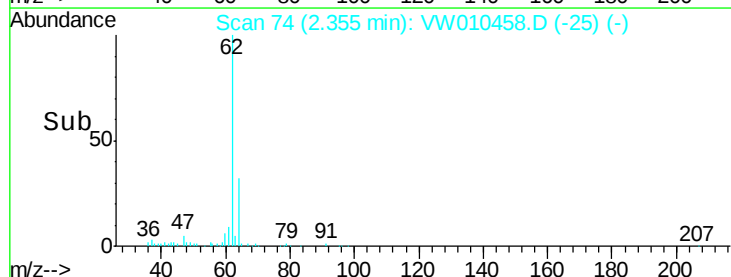
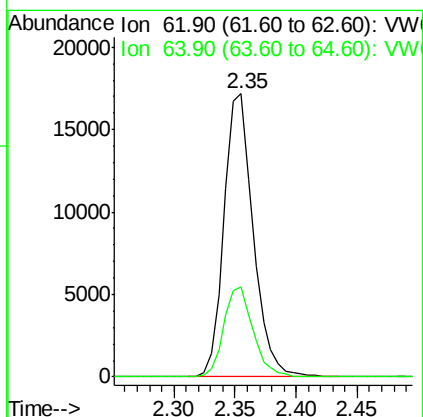
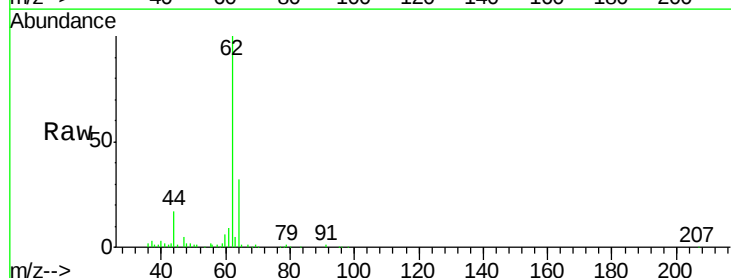
Acq: 20 May 2019 20:33

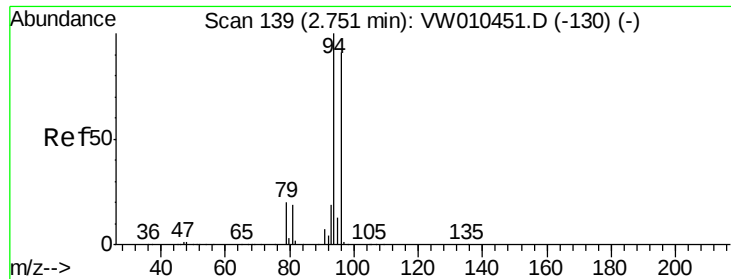
Tgt Ion: 62 Resp: 28365

Ion Ratio Lower Upper

62 100

64 31.9 25.8 38.8





#5

Bromomethane

Concen: 19.530 ug/l

RT: 2.73 min Scan# 136

Delta R.T. -0.02 min

Lab File: VW010458.D

Acq: 20 May 2019 20:33

Instrument :

MSVOA\_W

ClientSampleId :

VW0520SBS01

Tot Ion: 94 Resp: 21507

Ion Ratio Lower Upper

94 100

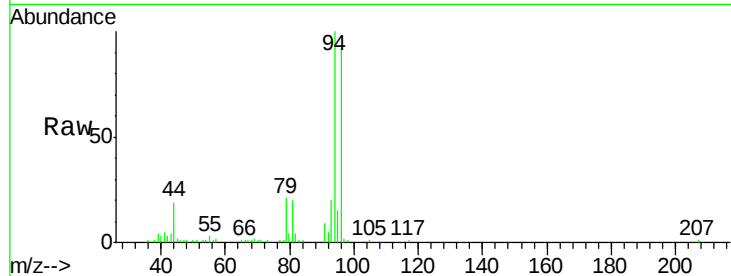
96 91.5 72.9 109.3

Manual Integrations

APPROVED

MMDadoda

5/21/2019 11:29:02 AM



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.73

12000

10000

8000

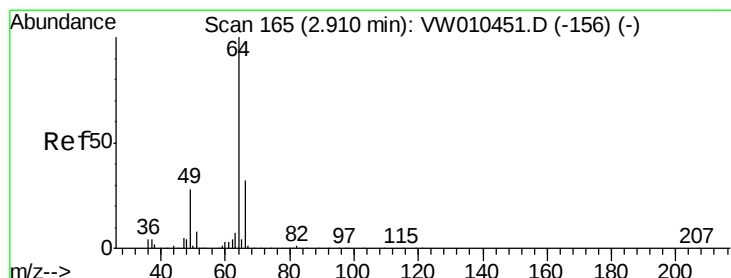
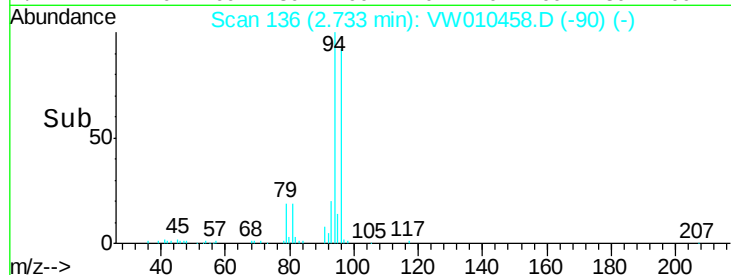
6000

4000

2000

0

Time--> 2.65 2.70 2.75 2.80



#6

Chloroethane

Concen: 19.357 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.01 min

Lab File: VW010458.D

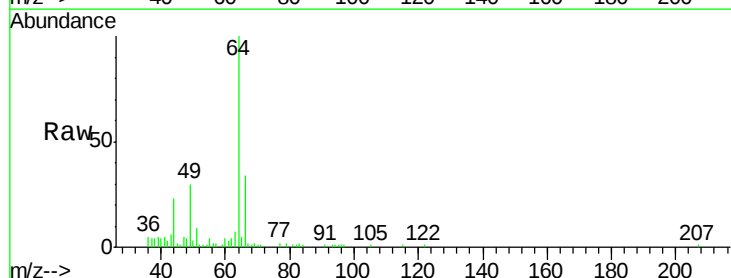
Acq: 20 May 2019 20:33

Tgt Ion: 64 Resp: 19891

Ion Ratio Lower Upper

64 100

66 33.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.90

10000

8000

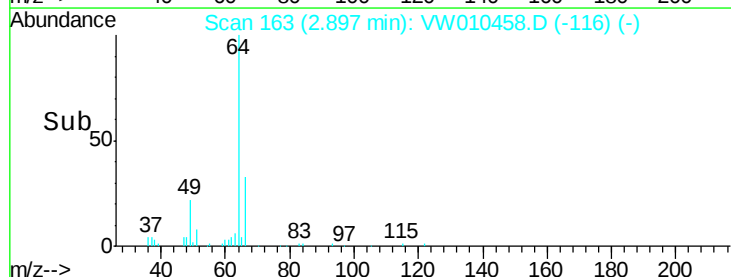
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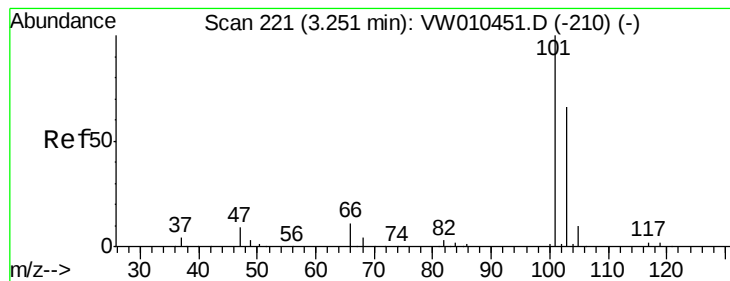
4000

2000

0

Time--> 2.80 2.90 3.00





#7

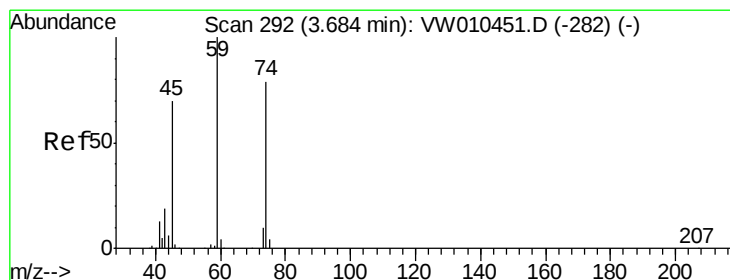
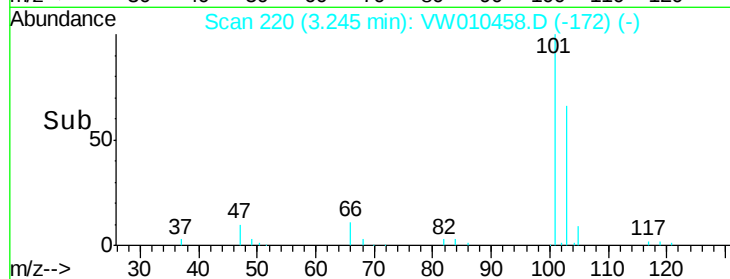
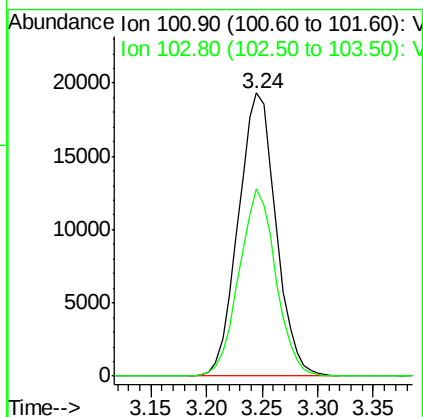
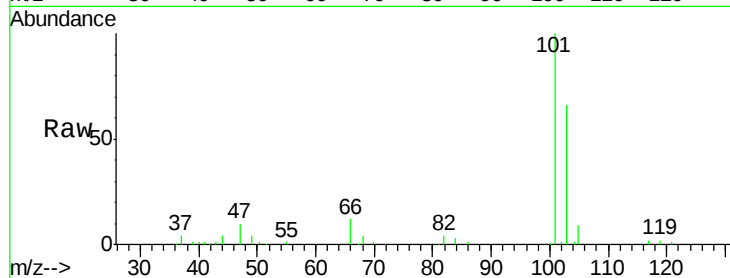
Trichlorofluoromethane  
 Concen: 19.217 ug/l  
 RT: 3.24 min Scan# 220  
 Delta R.T. -0.01 min  
 Lab File: VW010458.D  
 Acq: 20 May 2019 20:33

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0520SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 66.4  | 53.0  | 79.4  |

Manual Integrations  
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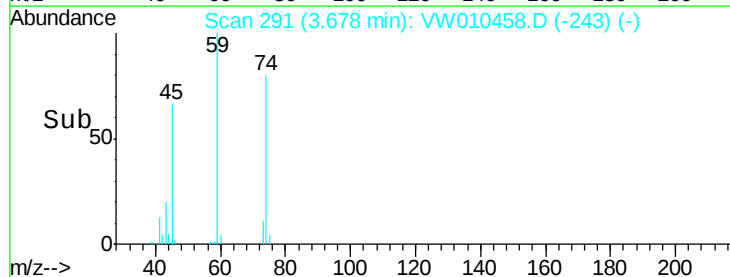
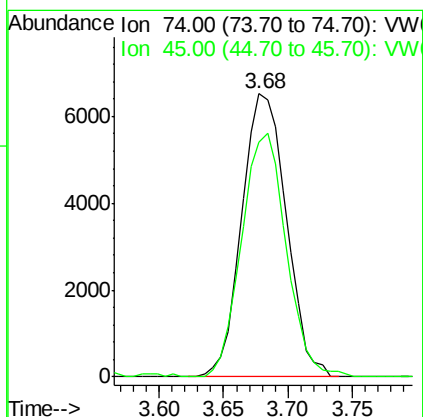
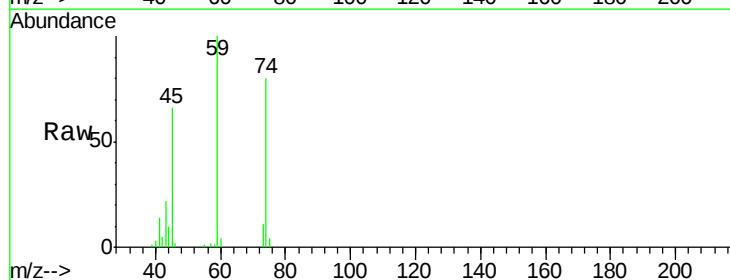
MMDadoda  
 5/21/2019 11:29:02 AM

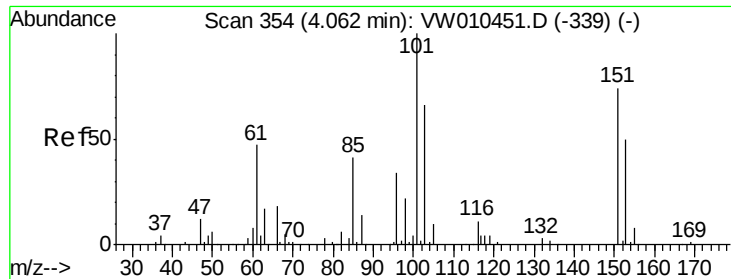


#8

Diethyl Ether  
 Concen: 20.851 ug/l  
 RT: 3.68 min Scan# 291  
 Delta R.T. -0.01 min  
 Lab File: VW010458.D  
 Acq: 20 May 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 86.2  | 42.9  | 128.5 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.549 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010458.D

Acq: 20 May 2019 20:33

Instrument :

MSVOA\_W

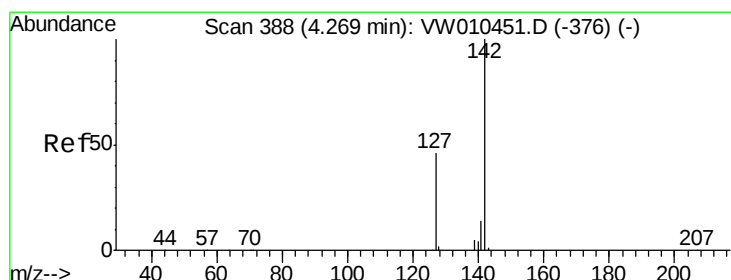
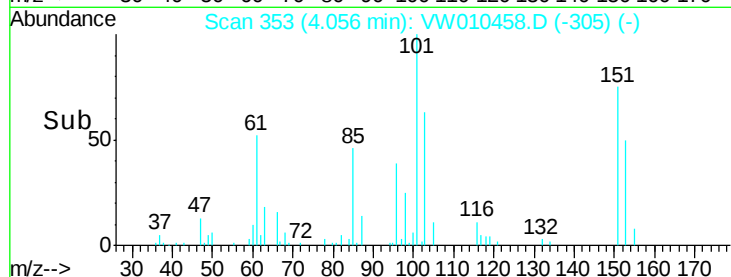
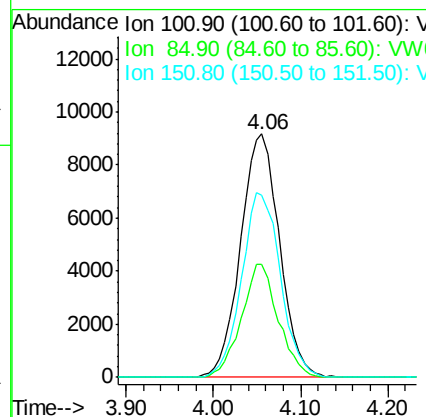
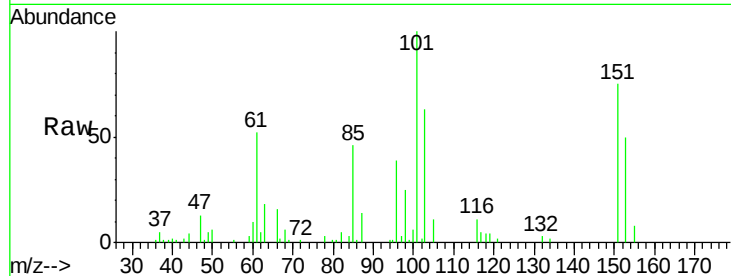
ClientSampled :

VW0520SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 28451 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 43.7  | 34.3  | 51.5  |
| 151       | 75.5  | 60.3  | 90.5  |

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#10

Methyl Iodide

Concen: 16.265 ug/l

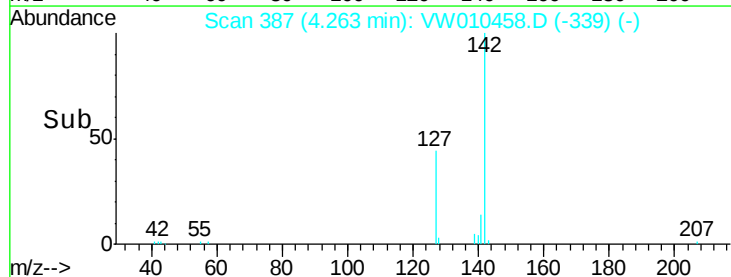
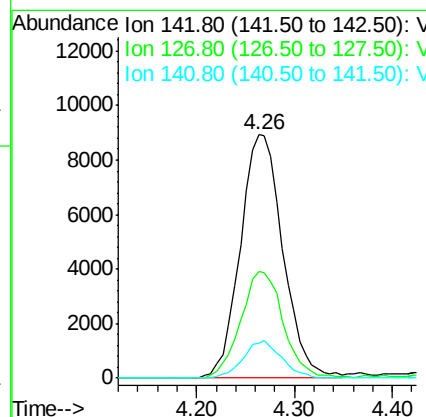
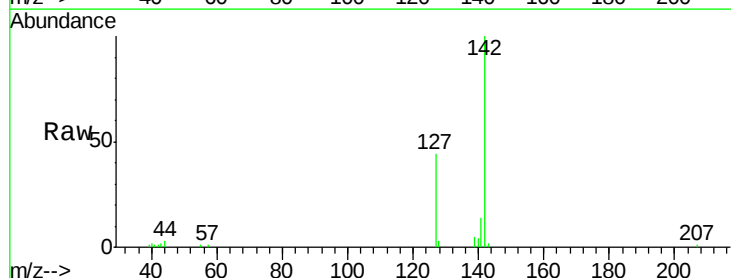
RT: 4.26 min Scan# 387

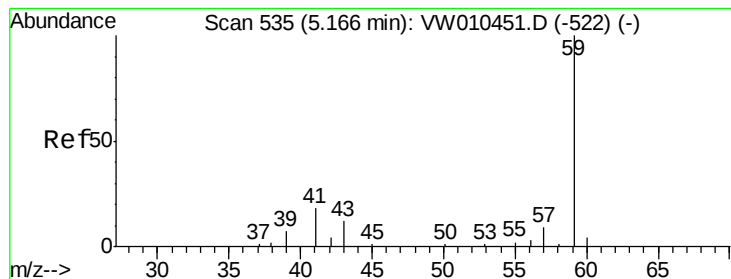
Delta R.T. -0.01 min

Lab File: VW010458.D

Acq: 20 May 2019 20:33

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 27057 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 43.8  | 36.1  | 54.1  |
| 141       | 13.8  | 11.3  | 16.9  |





#11

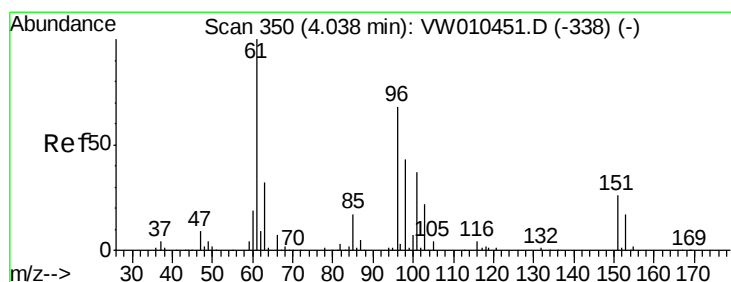
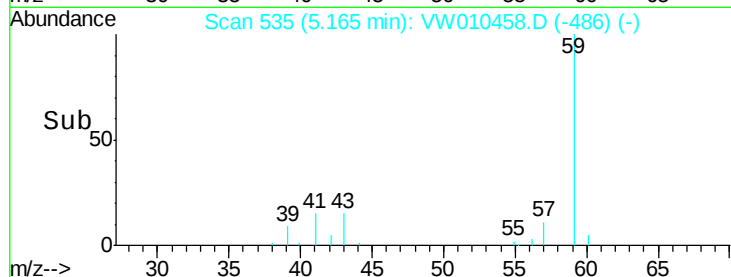
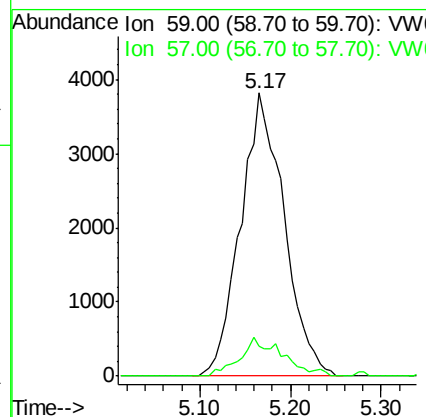
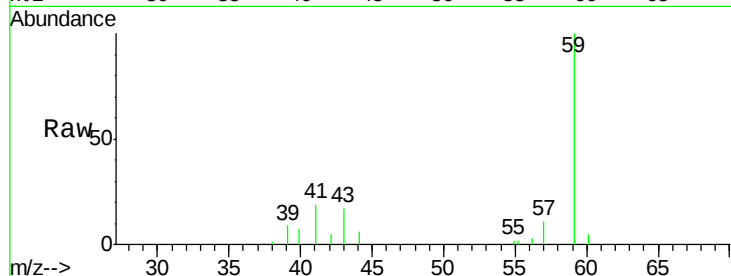
Tert butyl alcohol  
 Concen: 104.049 ug/l  
 RT: 5.17 min Scan# 535  
 Delta R.T. -0.00 min  
 Lab File: VW010458.D  
 Acq: 20 May 2019 20:33

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0520SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 12.7  | 8.8   | 13.2  |

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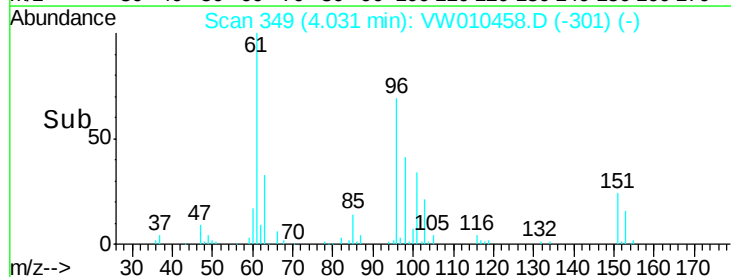
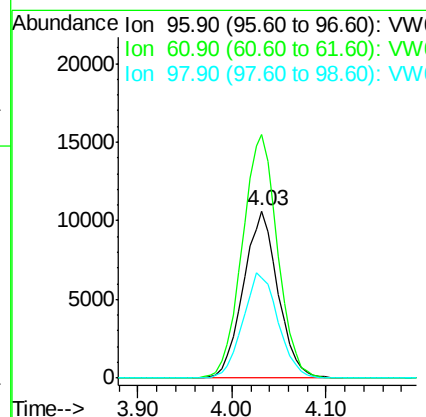
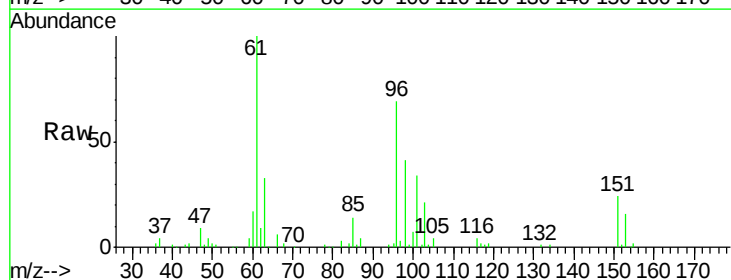
MMDadoda  
 5/21/2019 11:29:02 AM

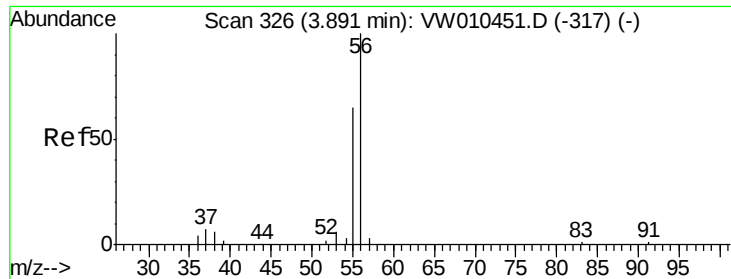


#12

1,1-Dichloroethene  
 Concen: 19.676 ug/l  
 RT: 4.03 min Scan# 349  
 Delta R.T. -0.01 min  
 Lab File: VW010458.D  
 Acq: 20 May 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 145.4 | 118.3 | 177.5 |
| 98      | 60.0  | 51.0  | 76.6  |





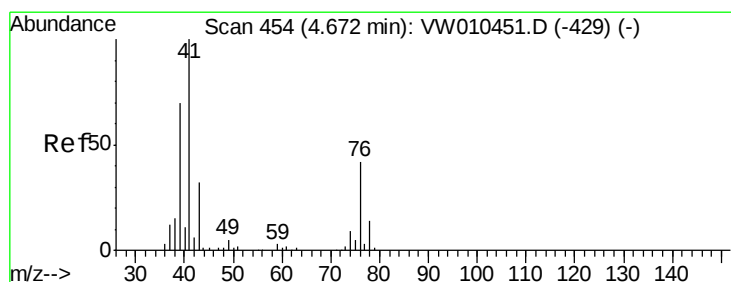
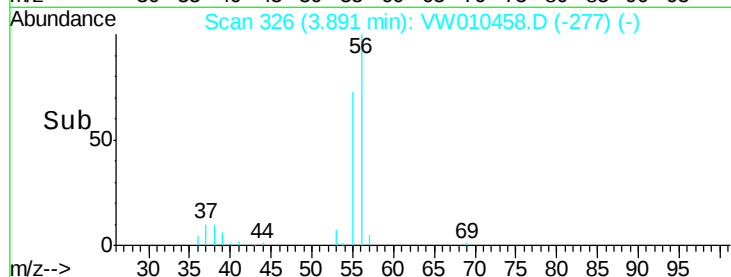
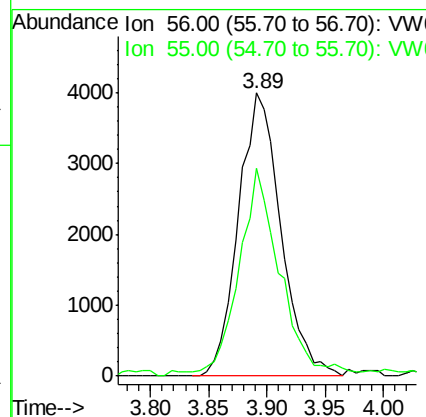
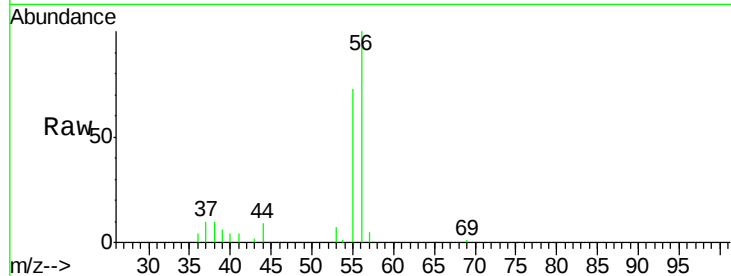
#13  
Acrolein  
Concen: 132.295 ug/l  
RT: 3.89 min Scan# 326  
Delta R.T. 0.00 min  
Lab File: VW010458.D  
Acq: 20 May 2019 20:33

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0520SBS01

| Tot Ion   | 56   | Resp  | 10161 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 55        | 67.4 | 57.9  | 86.9  |

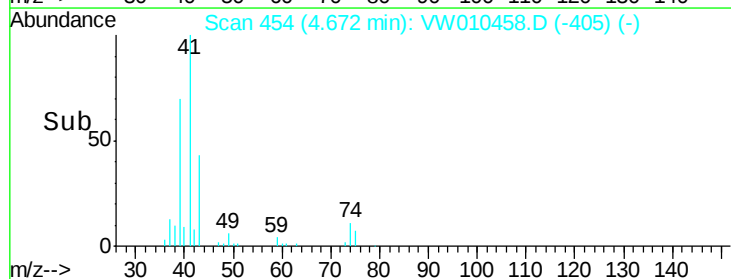
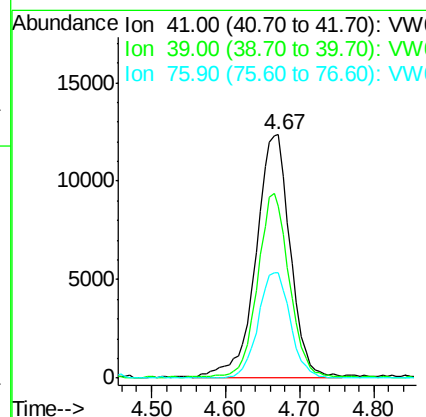
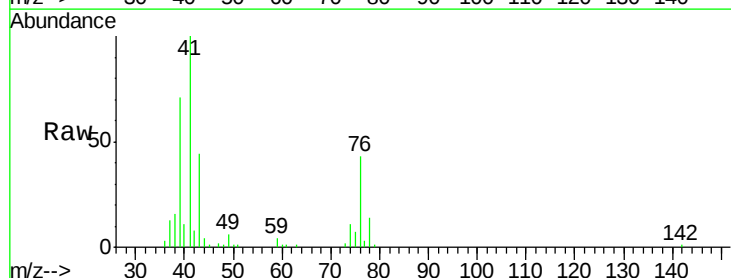
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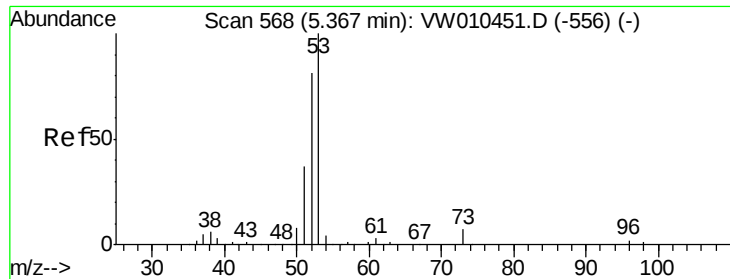
MMDadoda  
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#14  
Allyl chloride  
Concen: 19.973 ug/l  
RT: 4.67 min Scan# 454  
Delta R.T. -0.00 min  
Lab File: VW010458.D  
Acq: 20 May 2019 20:33

| Tgt Ion   | 41   | Resp  | 40166 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 39        | 70.5 | 55.0  | 82.4  |
| 76        | 40.3 | 32.8  | 49.2  |





#15

Acrylonitrile

Concen: 104.673 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW010458.D

Acq: 20 May 2019 20:33

Instrument :

MSVOA\_W

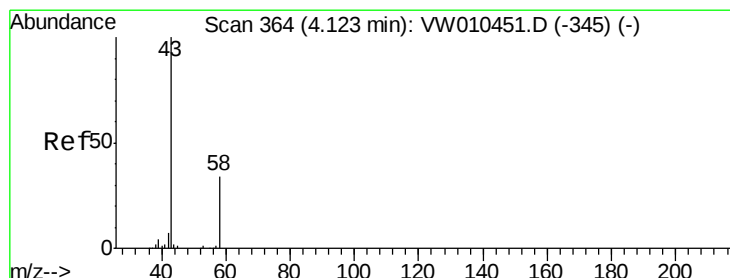
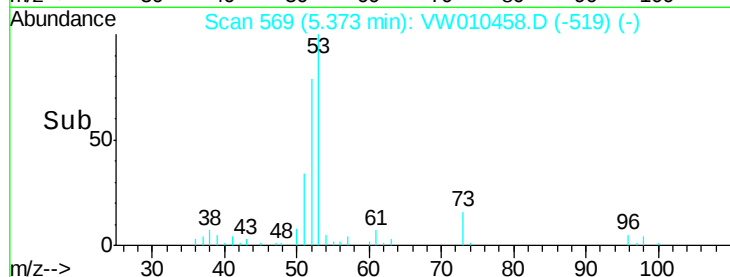
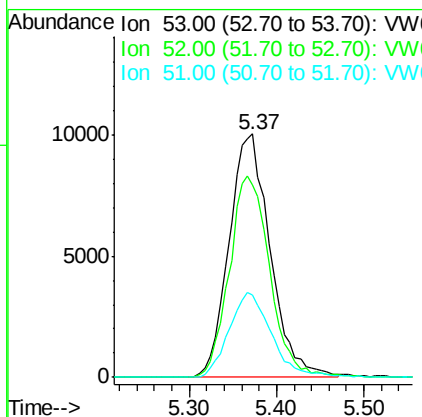
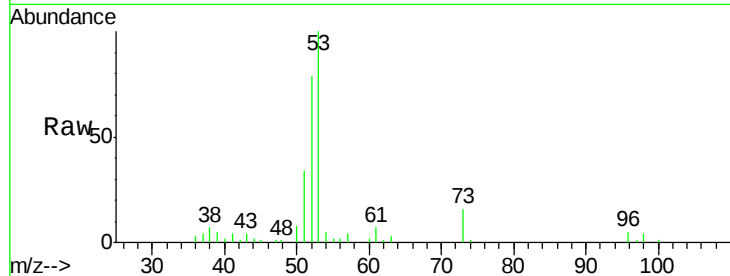
ClientSampleId :

VW0520SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 32840 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 81.3  | 65.6  | 98.4  |
| 51       | 36.0  | 29.5  | 44.3  |

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#16

Acetone

Concen: 99.276 ug/l

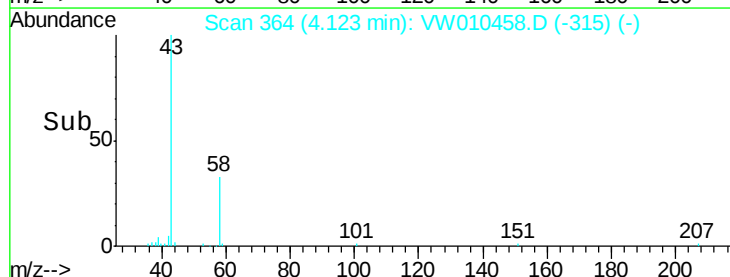
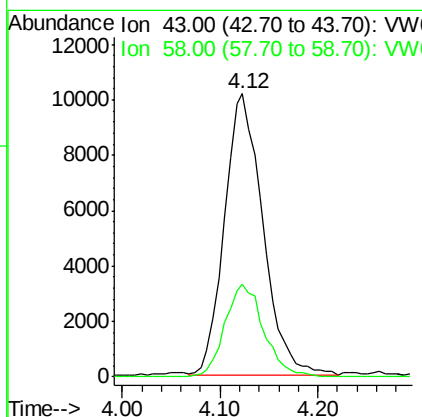
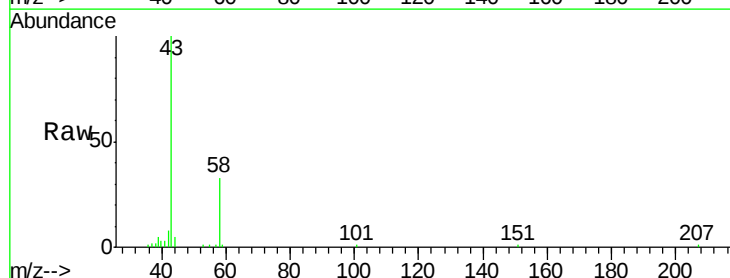
RT: 4.12 min Scan# 364

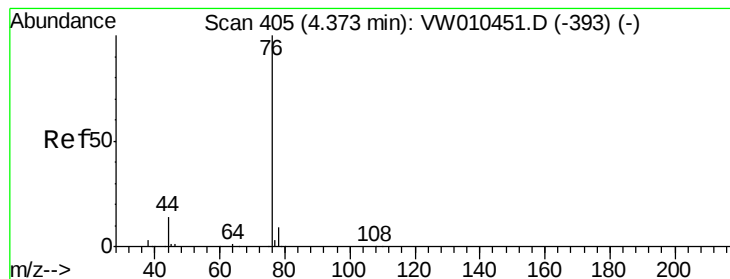
Delta R.T. -0.00 min

Lab File: VW010458.D

Acq: 20 May 2019 20:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 27511 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 32.9  | 27.0  | 40.4  |





#17

Carbon Disulfide

Concen: 18.767 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW010458.D

Acq: 20 May 2019 20:33

Instrument :

MSVOA\_W

ClientSampleId :

VW0520SBS01

Tot Ion: 76 Resp: 77769

Ion Ratio Lower Upper

76 100

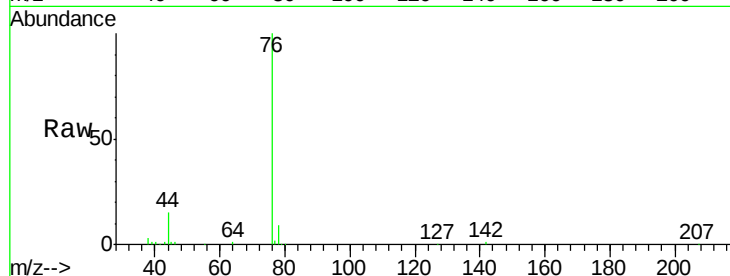
78 9.3 7.1 10.7

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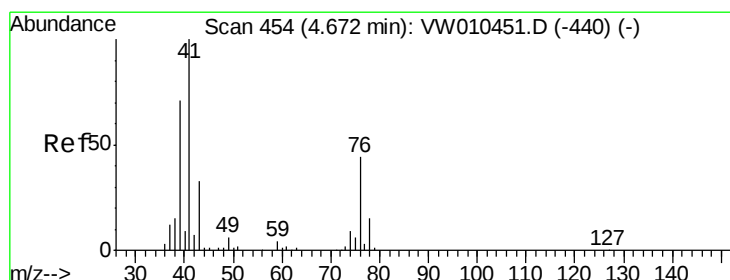
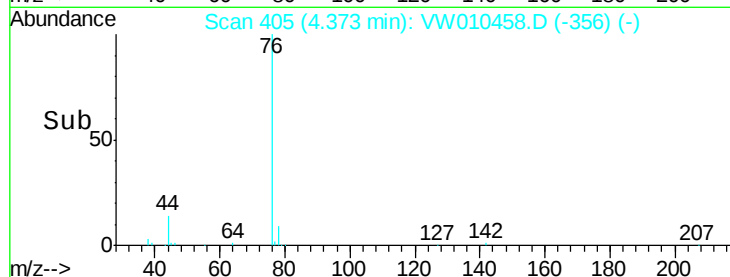
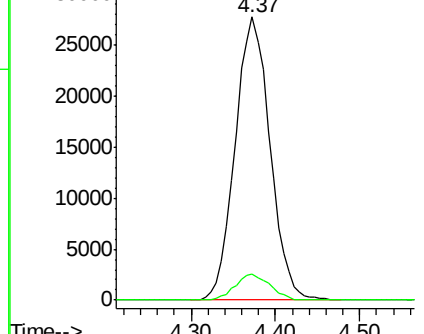
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 23.029 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW010458.D

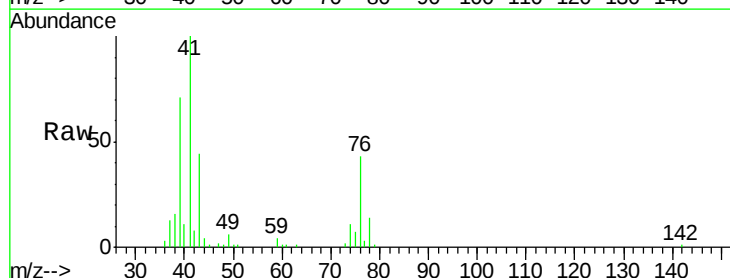
Acq: 20 May 2019 20:33

Tgt Ion: 43 Resp: 15608

Ion Ratio Lower Upper

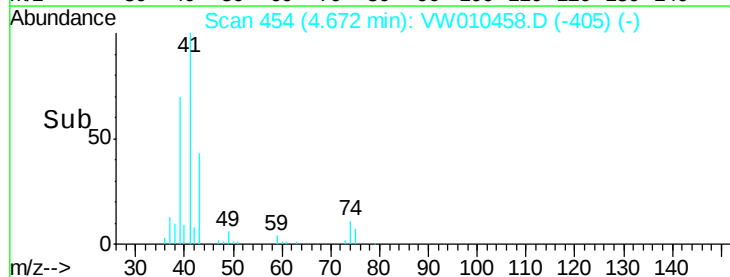
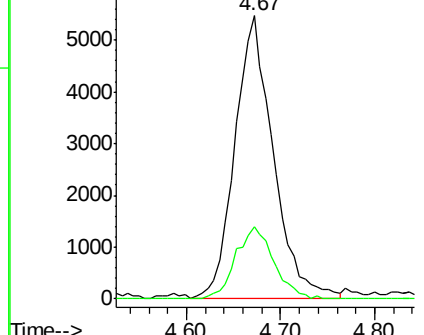
43 100

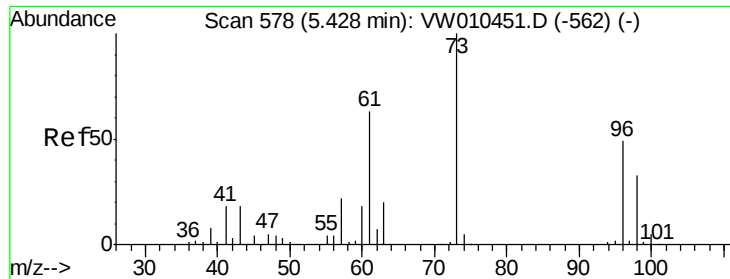
74 25.1 21.6 32.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





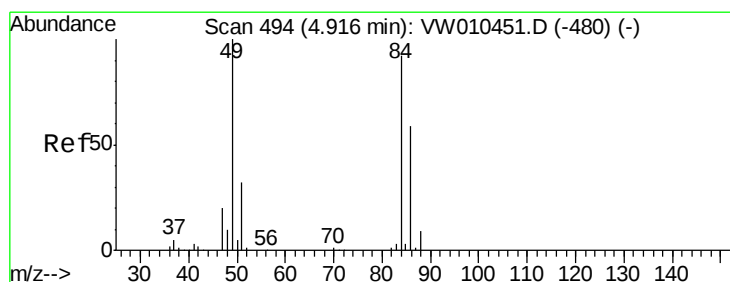
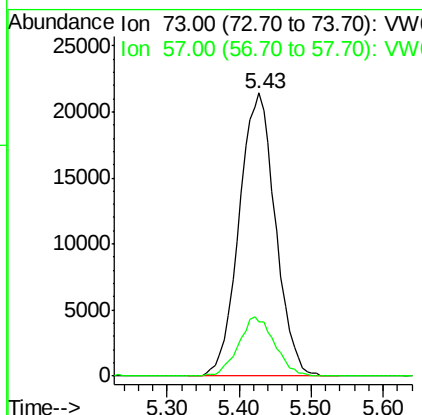
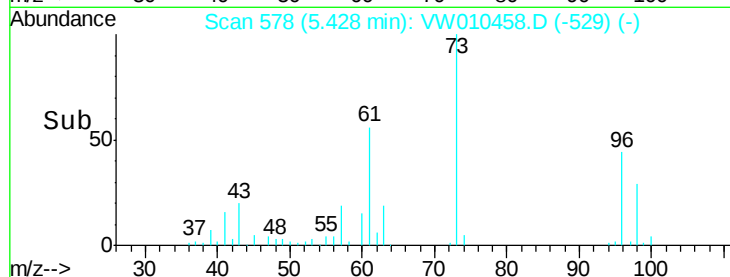
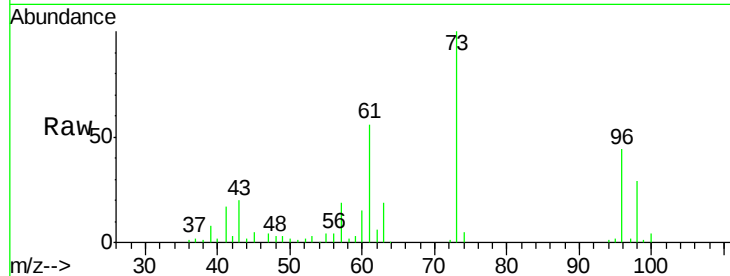
#19  
Methyl tert-butyl Ether  
Concen: 21.123 ug/l  
RT: 5.43 min Scan# 578  
Delta R.T. -0.00 min  
Lab File: VW010458.D  
Acq: 20 May 2019 20:33

Instrument :  
MSVOA\_W  
ClientSampleID :  
VW0520SBS01

Tot Ion: 73 Resp: 74813  
Ion Ratio Lower Upper  
73 100  
57 19.2 17.4 26.0

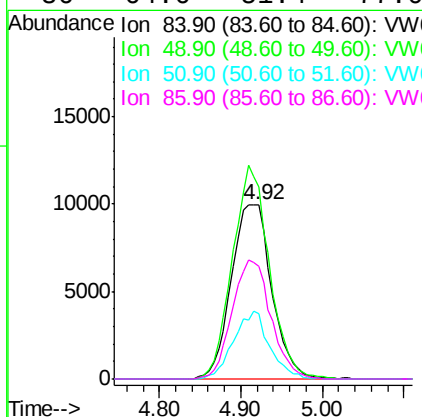
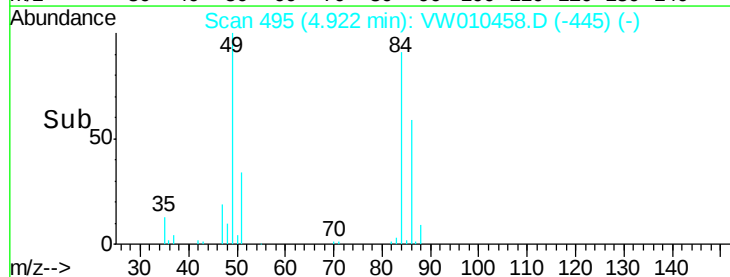
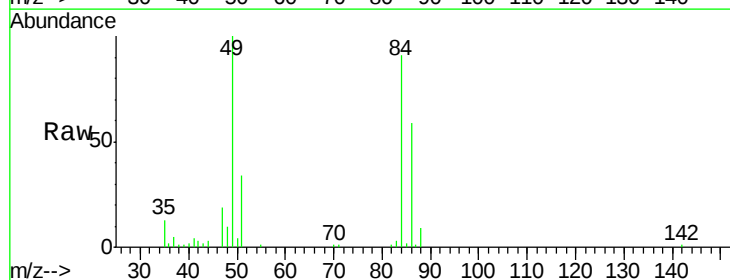
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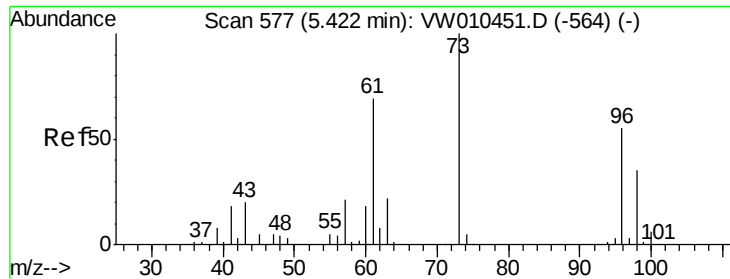
MMDadoda  
5/21/2019 11:29:02 AM



#20  
Methylene Chloride  
Concen: 17.873 ug/l  
RT: 4.92 min Scan# 495  
Delta R.T. 0.01 min  
Lab File: VW010458.D  
Acq: 20 May 2019 20:33

Tgt Ion: 84 Resp: 34360  
Ion Ratio Lower Upper  
84 100  
49 110.0 87.2 130.8  
51 37.6 27.7 41.5  
86 64.6 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 20.149 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010458.D

Acq: 20 May 2019 20:33

Instrument :

MSVOA\_W

ClientSampleId :

VW0520SBS01

Tot Ion: 96 Resp: 32109

Ion Ratio Lower Upper

96 100

61 117.7 101.4 152.0

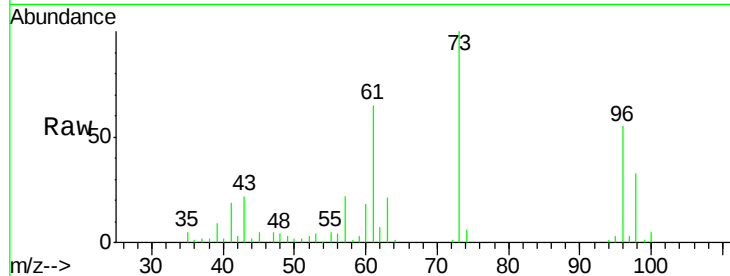
98 60.0 50.6 76.0

Manual Integrations

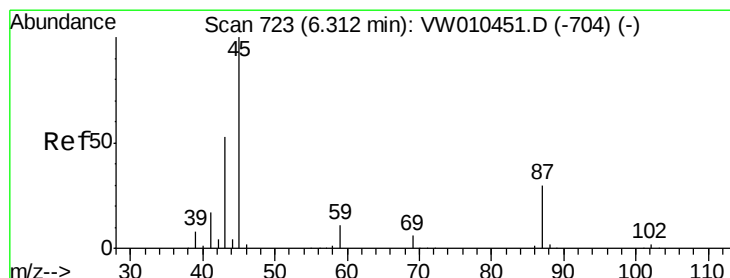
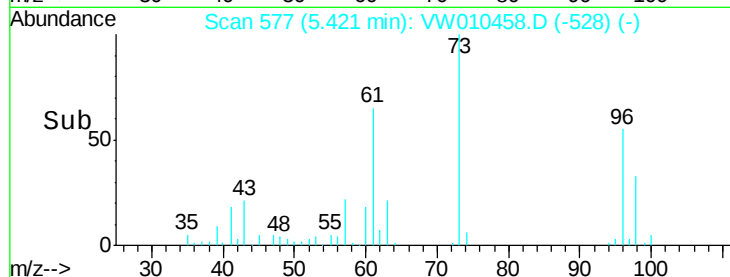
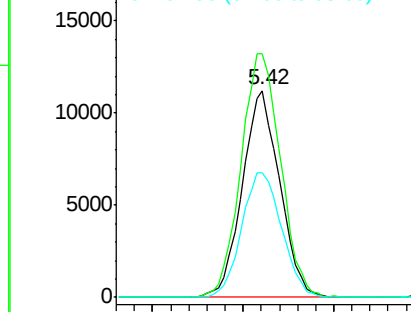
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Abundance Ion 95.90 (95.60 to 96.60): VW  
Ion 60.90 (60.60 to 61.60): VW  
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 20.523 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010458.D

Acq: 20 May 2019 20:33

Tgt Ion: 45 Resp: 84628

Ion Ratio Lower Upper

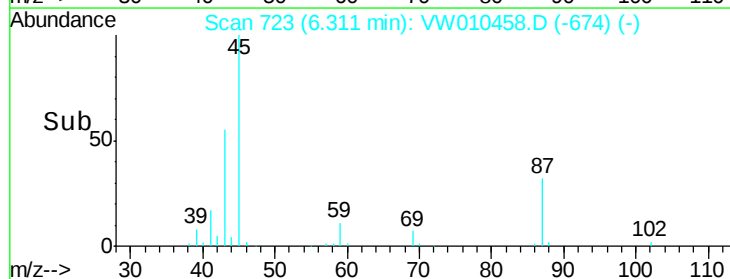
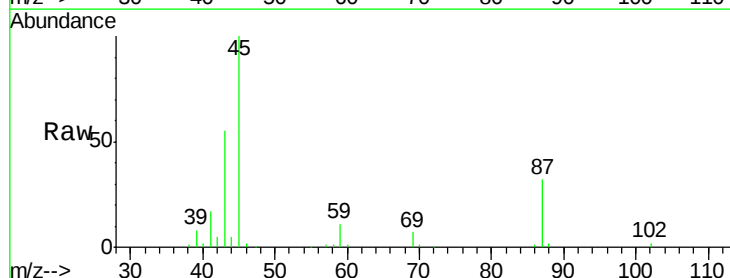
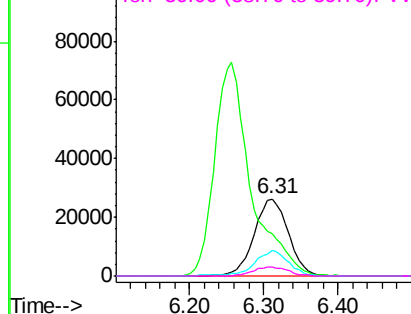
45 100

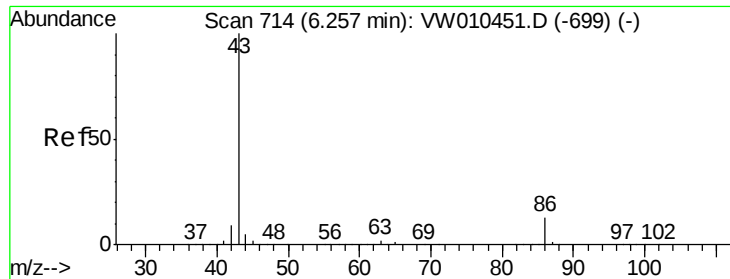
43 54.6 42.9 64.3

87 32.5 24.6 36.8

59 11.2 9.4 14.0

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





#23

Vinyl Acetate

Concen: 99.460 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010458.D

Acq: 20 May 2019 20:33

Instrument :

MSVOA\_W

ClientSampleId :

VW0520SBS01

Tot Ion: 43 Resp: 244982

Ion Ratio Lower Upper

43 100

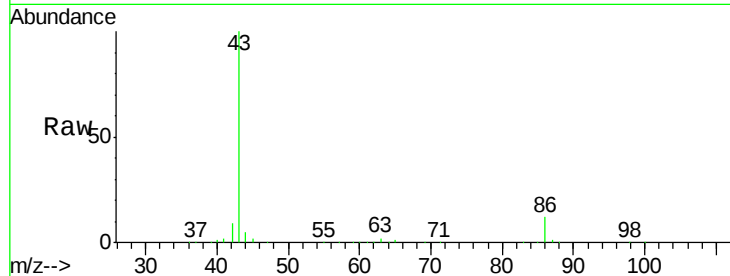
86 12.5 10.3 15.5

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

80000

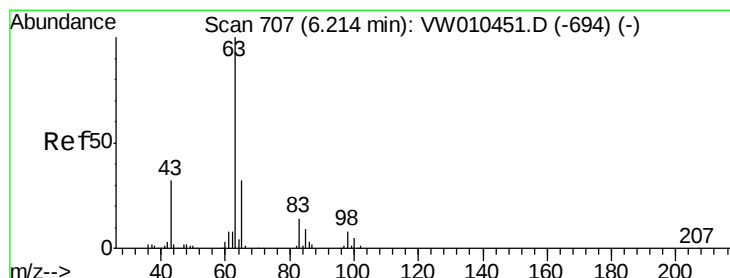
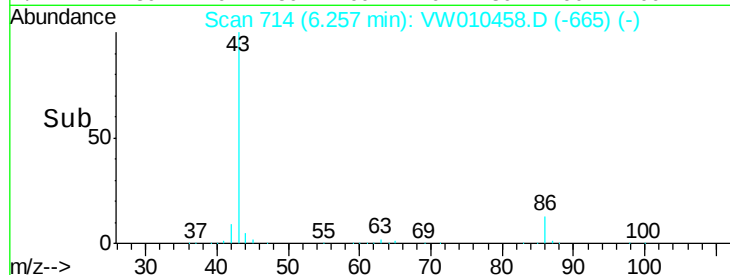
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.306 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010458.D

Acq: 20 May 2019 20:33

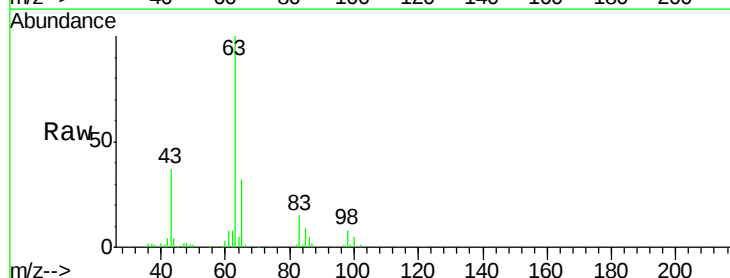
Tgt Ion: 63 Resp: 49967

Ion Ratio Lower Upper

63 100

98 8.4 3.8 11.2

100 5.5 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

20000

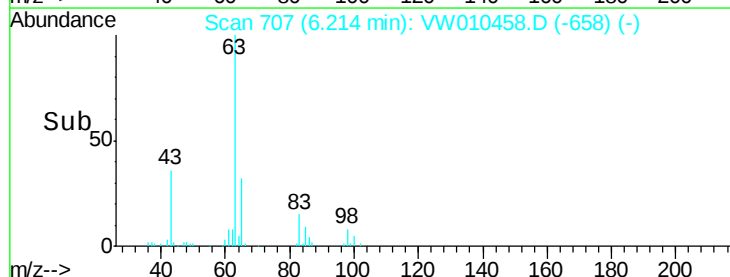
15000

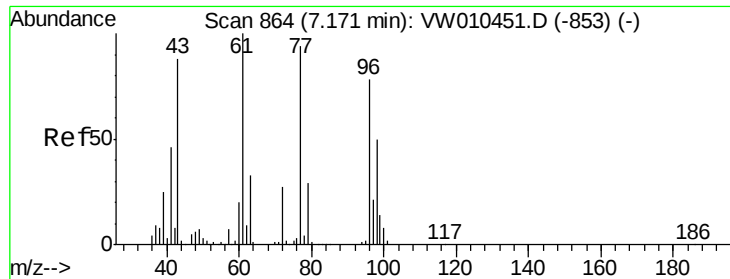
10000

5000

0

Time-->





#25

2-Butanone

Concen: 106.231 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010458.D

Acq: 20 May 2019 20:33

Instrument :

MSVOA\_W

ClientSampleId :

VW0520SBS01

Tot Ion: 43 Resp: 42129

Ion Ratio Lower Upper

43 100

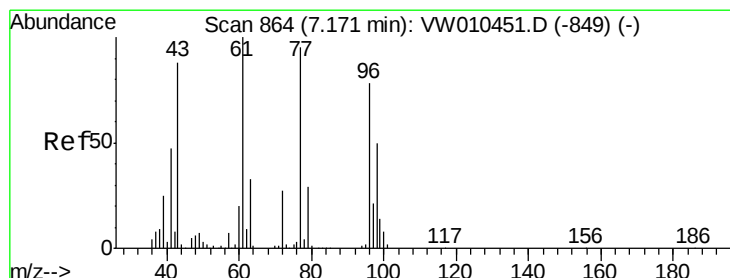
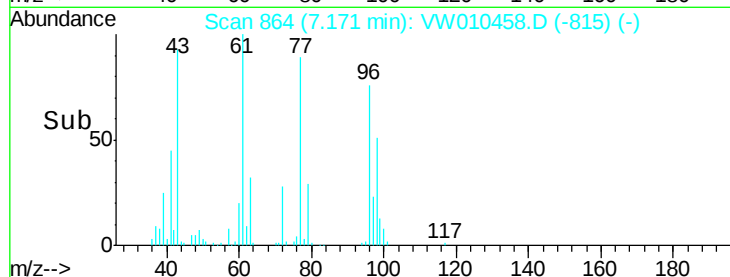
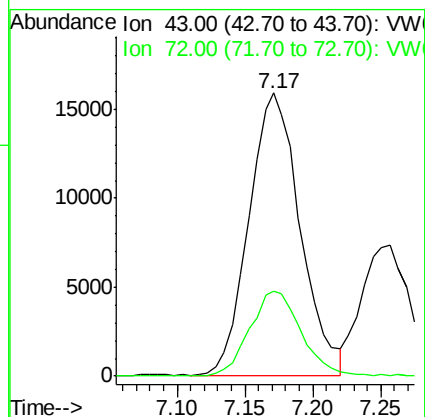
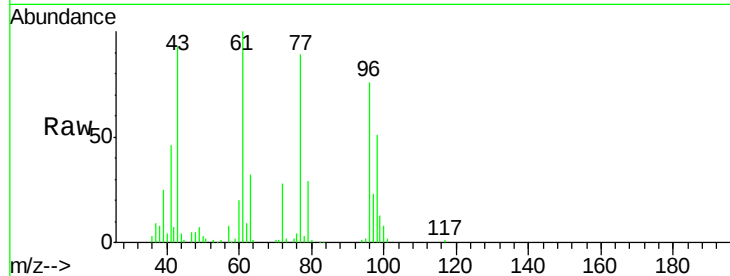
72 29.9 24.1 36.1

Manual Integrations

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MMDadoda

5/21/2019 11:29:02 AM



#26

2,2-Dichloropropane

Concen: 19.354 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010458.D

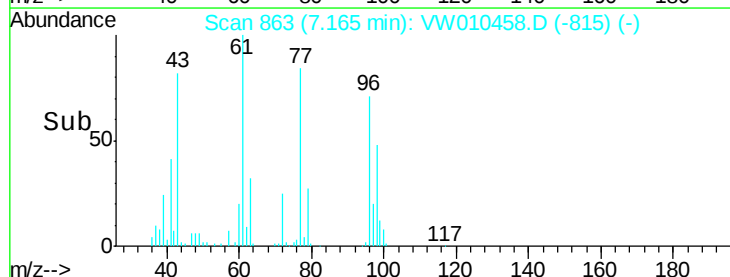
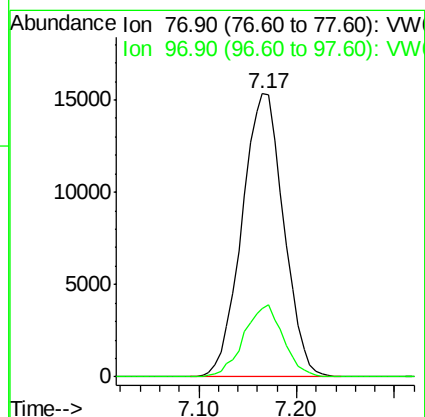
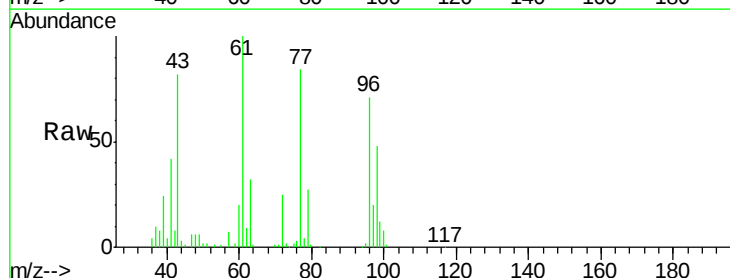
Acq: 20 May 2019 20:33

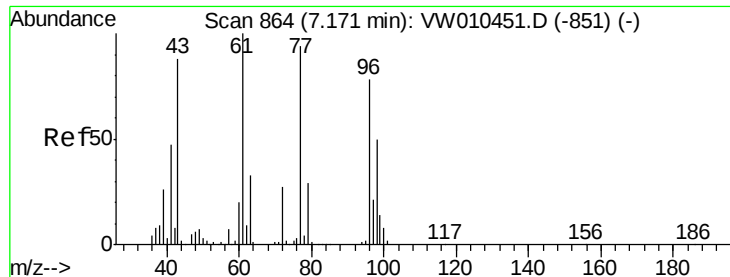
Tgt Ion: 77 Resp: 45364

Ion Ratio Lower Upper

77 100

97 24.1 11.7 35.0





#27

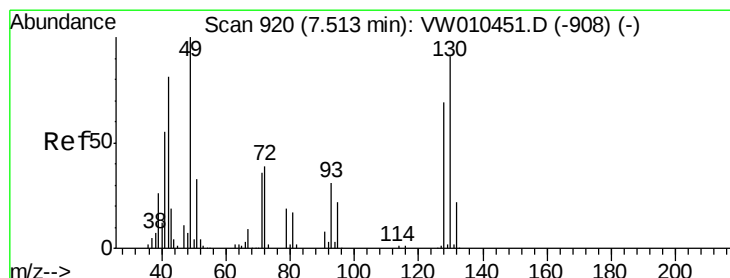
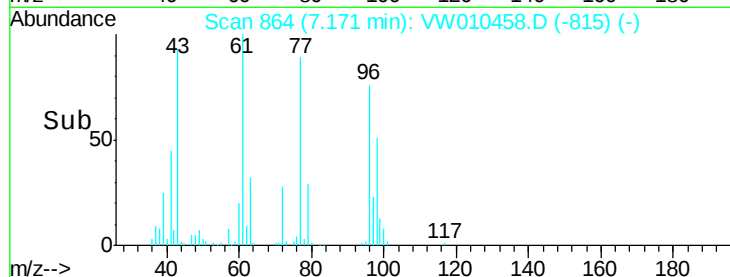
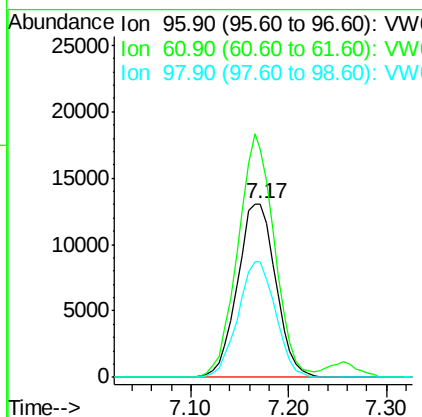
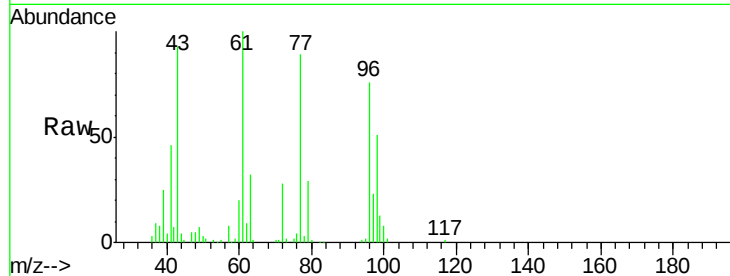
cis-1,2-Dichloroethene  
Concen: 20.514 ug/l  
RT: 7.17 min Scan# 864  
Delta R.T. -0.00 min  
Lab File: VW010458.D  
Acq: 20 May 2019 20:33

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0520SBS01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 96      | 100   | 35540 |       |       |
| 61      | 133.5 |       | 0.0   | 265.4 |
| 98      | 65.4  |       | 0.0   | 129.4 |

Manual Integrations  
APPROVED

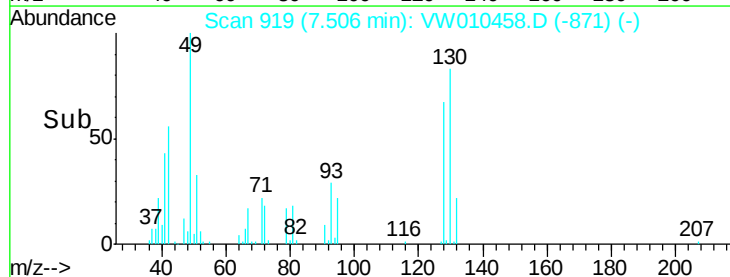
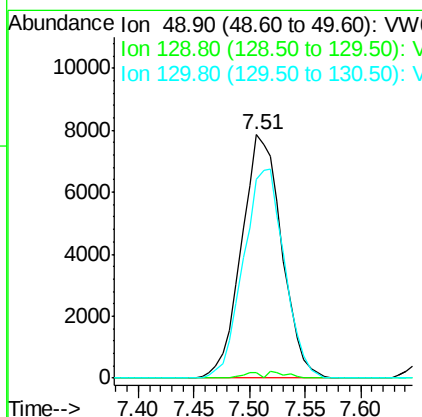
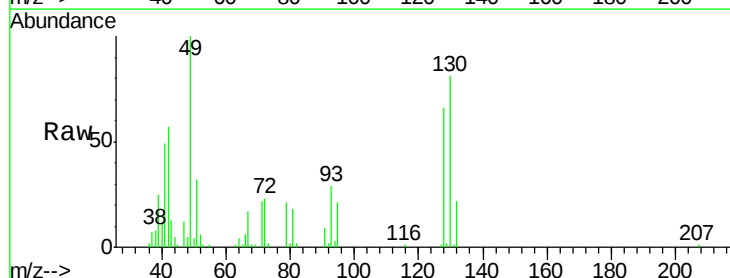
MMDadoda  
5/21/2019 11:29:02 AM

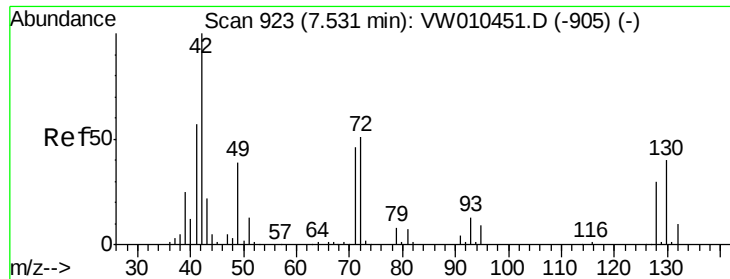


#28

Bromochloromethane  
Concen: 22.399 ug/l  
RT: 7.51 min Scan# 919  
Delta R.T. -0.01 min  
Lab File: VW010458.D  
Acq: 20 May 2019 20:33

| Tgt Ion | Ratio | Resp  | Lower | Upper  |
|---------|-------|-------|-------|--------|
| 49      | 100   | 19734 |       |        |
| 129     | 0.9   |       | 0.0   | 4.8    |
| 130     | 0.0   |       | 71.2  | 106.8# |





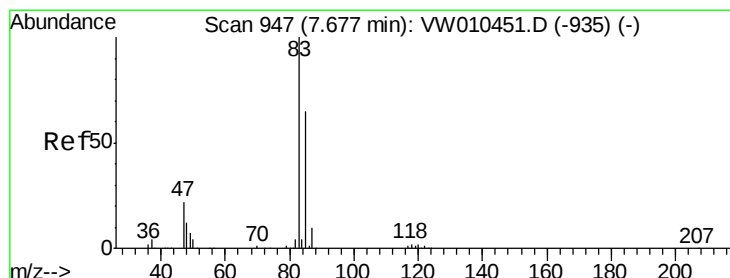
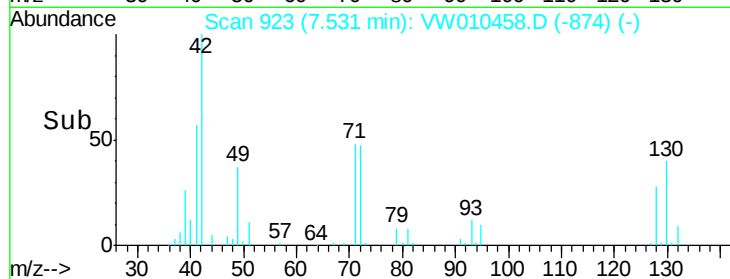
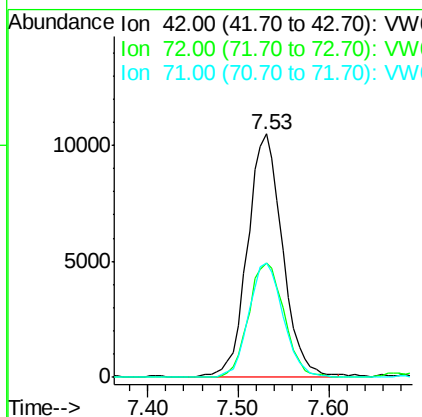
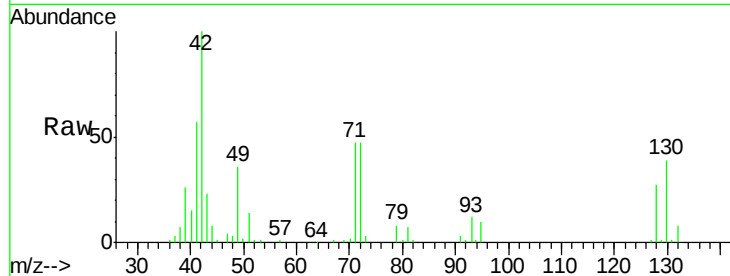
#29  
Tetrahydrofuran  
Concen: 104.514 ug/l  
RT: 7.53 min Scan# 923  
Delta R.T. -0.00 min  
Lab File: VW010458.D  
Acq: 20 May 2019 20:33

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0520SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 47.5  | 38.5  | 57.7  |
| 71      | 46.0  | 36.5  | 54.7  |

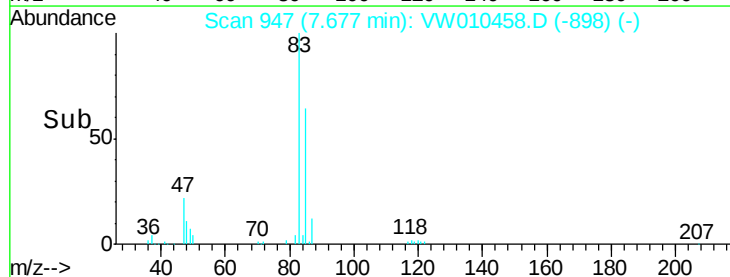
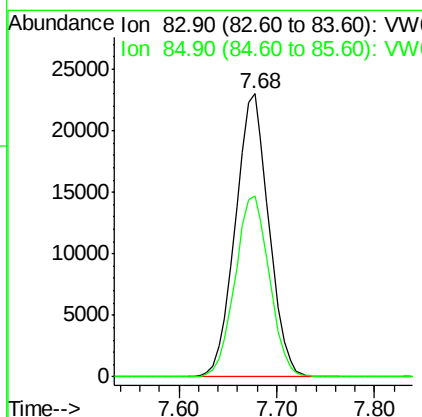
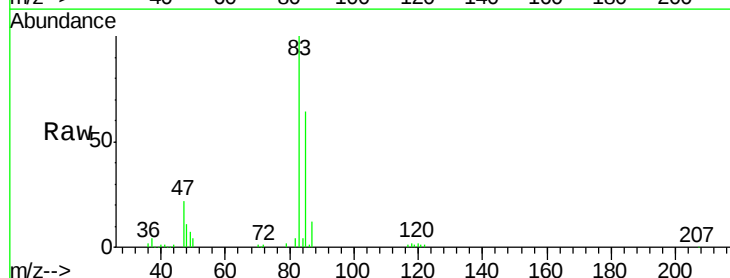
Manual Integrations  
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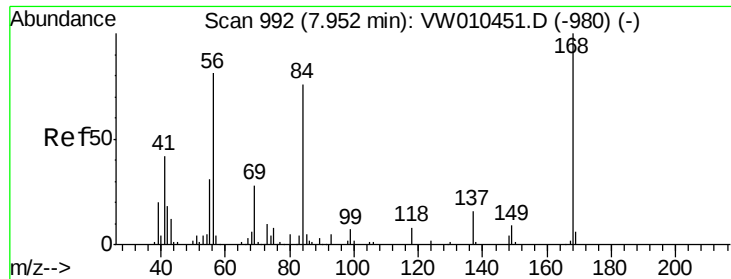
MMDadoda  
5/21/2019 11:29:02 AM



#30  
Chloroform  
Concen: 20.532 ug/l  
RT: 7.68 min Scan# 947  
Delta R.T. -0.00 min  
Lab File: VW010458.D  
Acq: 20 May 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.8  | 52.2  | 78.4  |





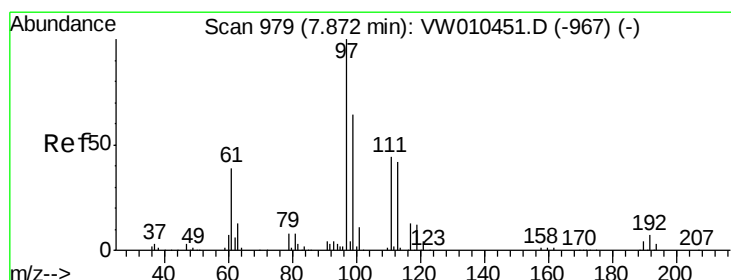
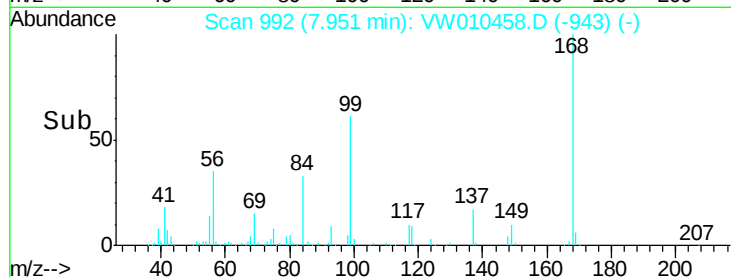
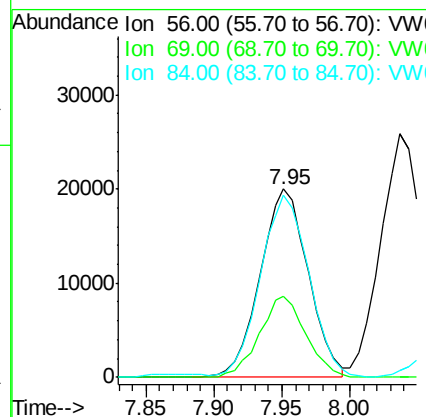
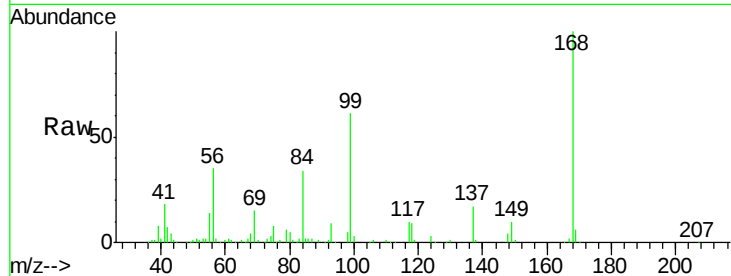
#31  
Cyclohexane  
Concen: 19.155 ug/l  
RT: 7.95 min Scan# 992  
Delta R.T. -0.00 min  
Lab File: VW010458.D  
Acq: 20 May 2019 20:33

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0520SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 42.8  | 28.2  | 42.2# |
| 84      | 95.3  | 75.8  | 113.8 |

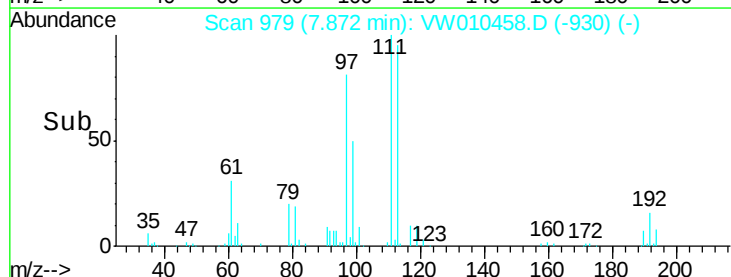
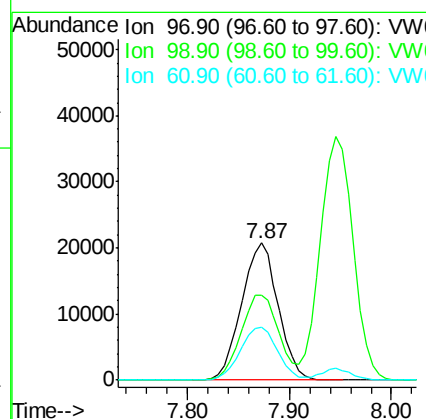
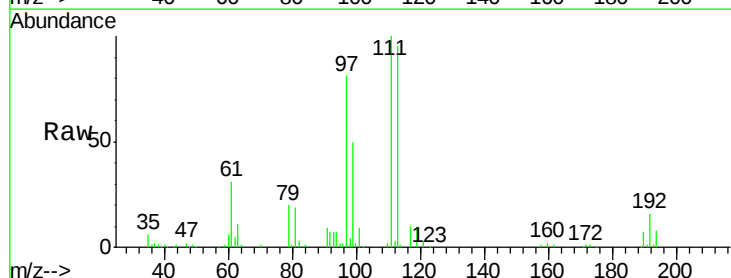
Manual Integrations  
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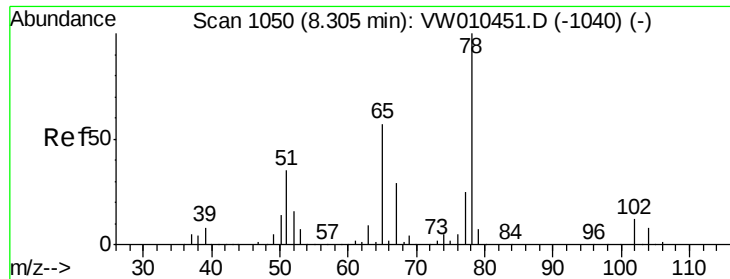
MMDadoda  
5/21/2019 11:29:02 AM



#32  
1,1,1-Trichloroethane  
Concen: 20.345 ug/l  
RT: 7.87 min Scan# 979  
Delta R.T. -0.00 min  
Lab File: VW010458.D  
Acq: 20 May 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 65.0  | 50.8  | 76.2  |
| 61      | 39.2  | 32.1  | 48.1  |





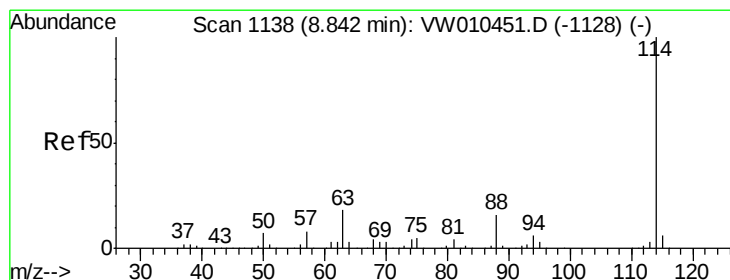
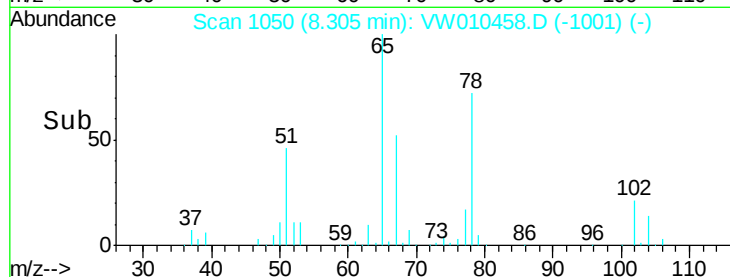
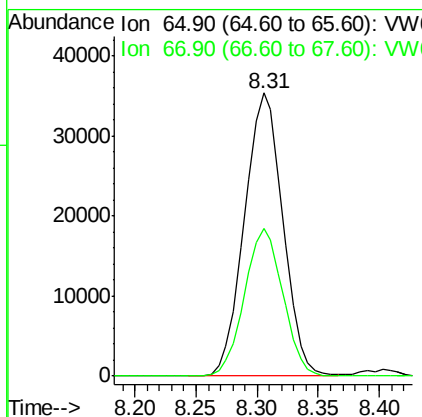
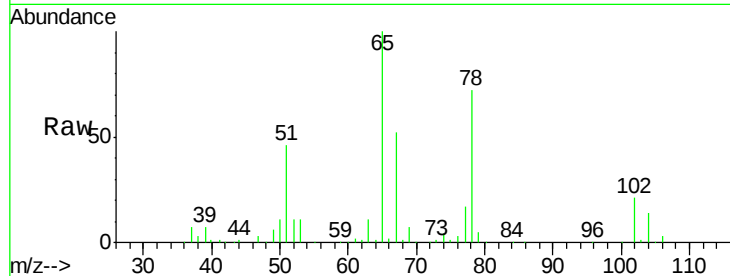
#33  
 1,2-Dichloroethane-d4  
 Concen: 57.035 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. -0.00 min  
 Lab File: VW010458.D  
 Acq: 20 May 2019 20:33

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0520SBS01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 65      | 100   | 77431 |       |       |
| 67      | 52.1  | 0.0   | 103.6 |       |

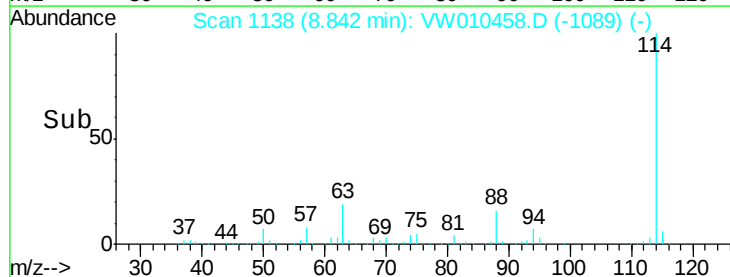
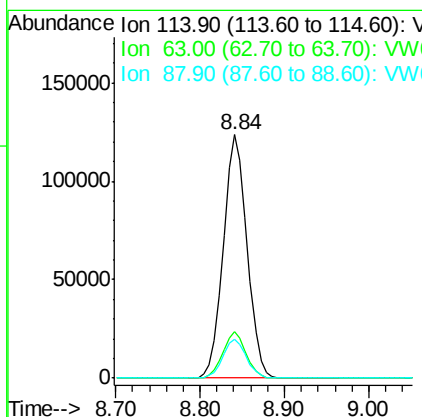
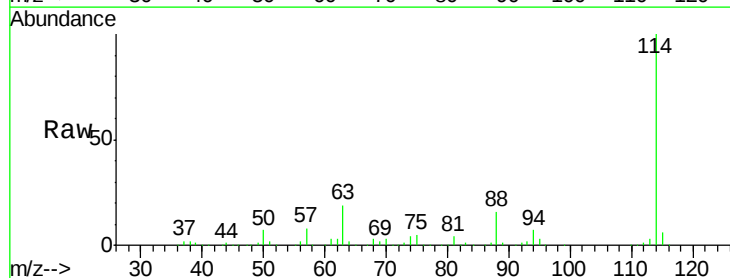
Manual Integrations  
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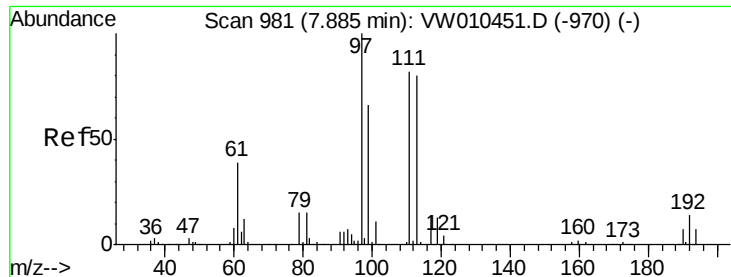
MMDadoda  
 5/21/2019 11:29:02 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW010458.D  
 Acq: 20 May 2019 20:33

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 238761 |       |       |
| 63      | 19.1  | 0.0    | 36.0  |       |
| 88      | 15.8  | 0.0    | 32.0  |       |





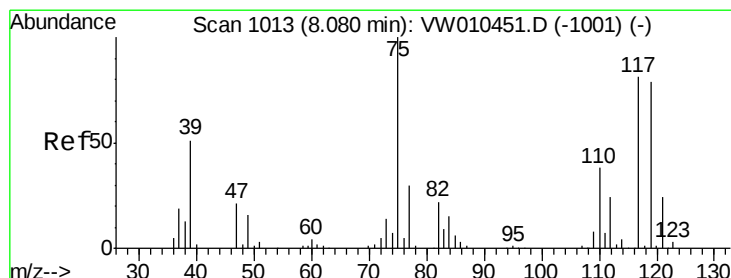
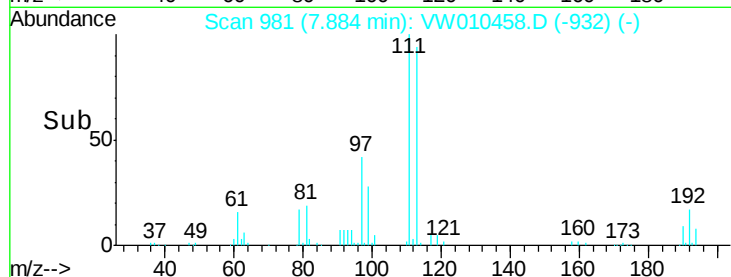
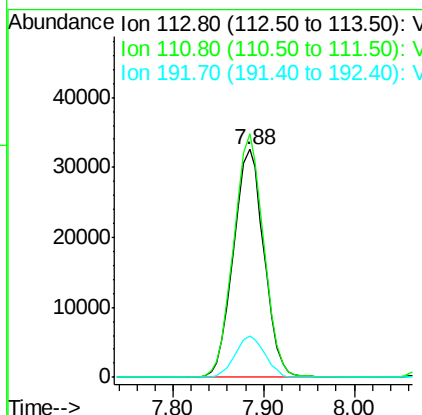
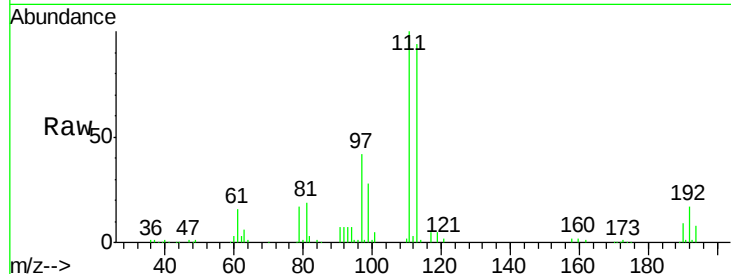
#35  
 Dibromofluoromethane  
 Concen: 52.559 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.00 min  
 Lab File: VW010458.D  
 Acq: 20 May 2019 20:33

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0520SBS01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 113     | 100   | 76145 |       |       |
| 111     | 105.4 | 82.2  | 123.4 |       |
| 192     | 17.6  | 14.3  | 21.5  |       |

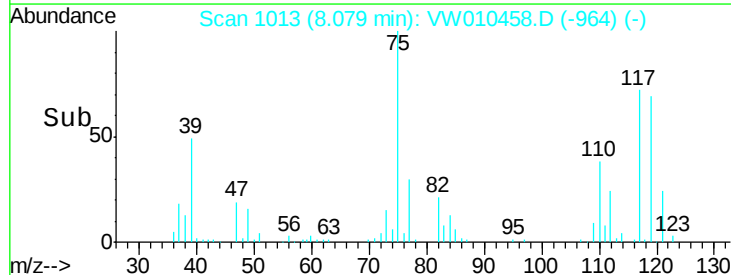
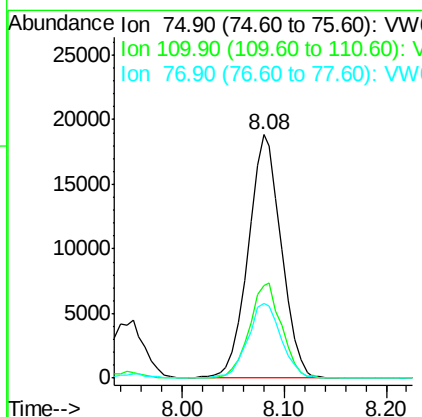
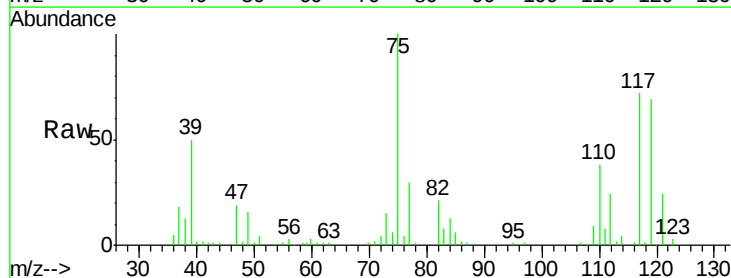
Manual Integrations  
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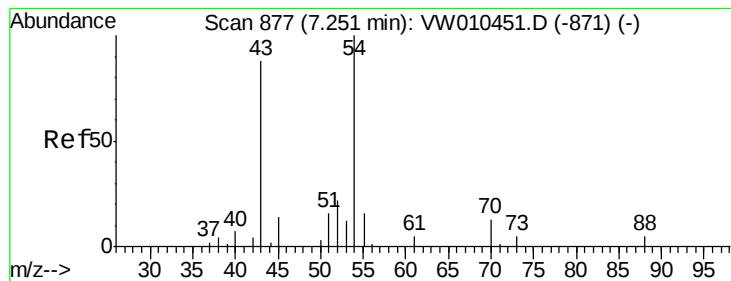
MMDadoda  
 5/21/2019 11:29:02 AM



#36  
 1,1-Dichloropropene  
 Concen: 19.061 ug/l  
 RT: 8.08 min Scan# 1013  
 Delta R.T. -0.00 min  
 Lab File: VW010458.D  
 Acq: 20 May 2019 20:33

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 42396 |       |       |
| 110     | 38.0  | 19.2  | 57.6  |       |
| 77      | 31.1  | 25.2  | 37.8  |       |





#37

Ethyl Acetate

Concen: 20.243 ug/l

RT: 7.26 min Scan# 878

Delta R.T. 0.01 min

Lab File: VW010458.D

Acq: 20 May 2019 20:33

Instrument :

MSVOA\_W

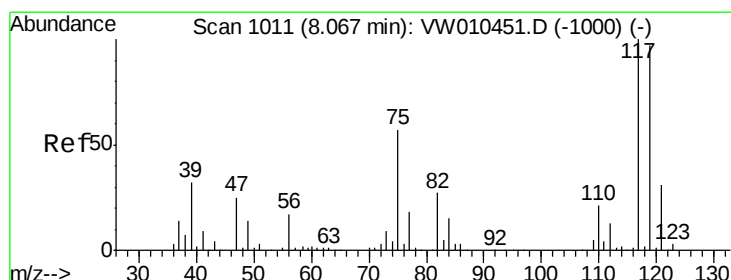
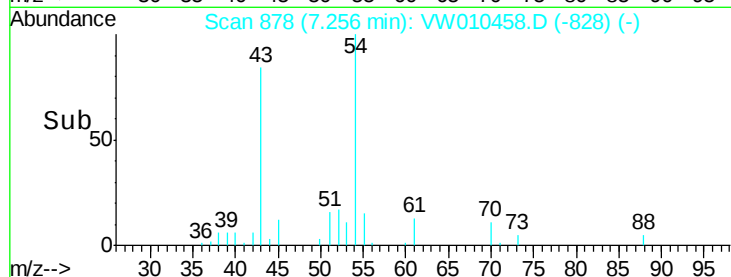
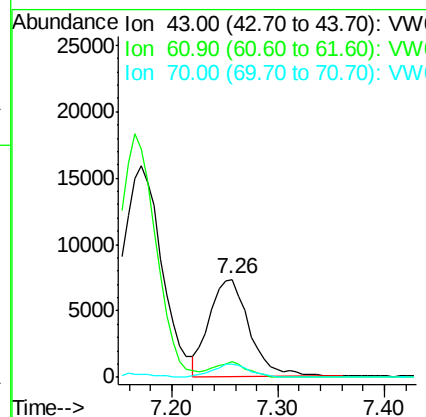
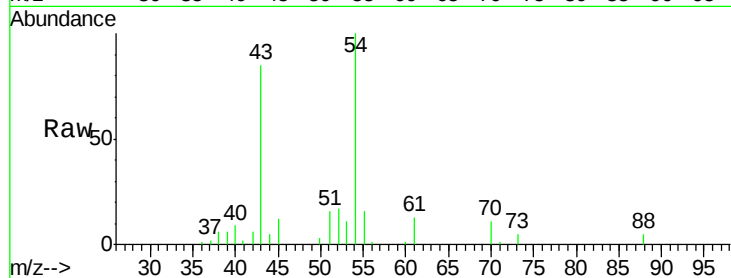
ClientSampled :

VW0520SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 19146 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 13.6  | 11.2  | 16.8  |
| 70       | 12.6  | 9.9   | 14.9  |

Manual Integrations  
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MMDadoda  
5/21/2019 11:29:02 AM



#38

Carbon Tetrachloride

Concen: 18.932 ug/l

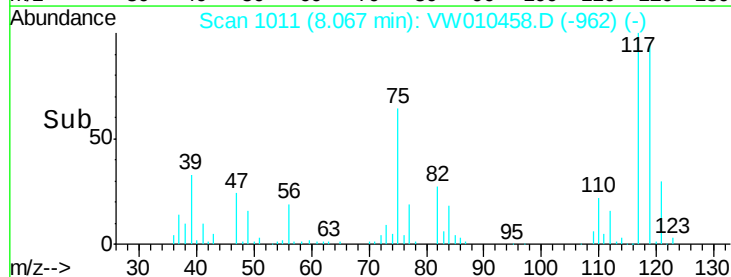
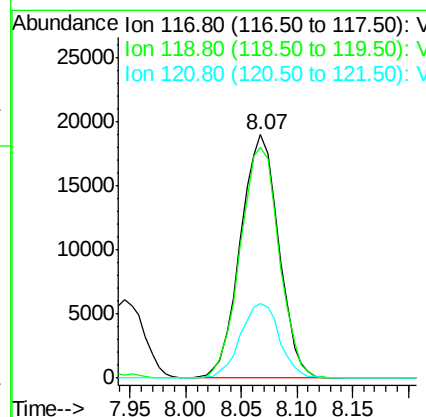
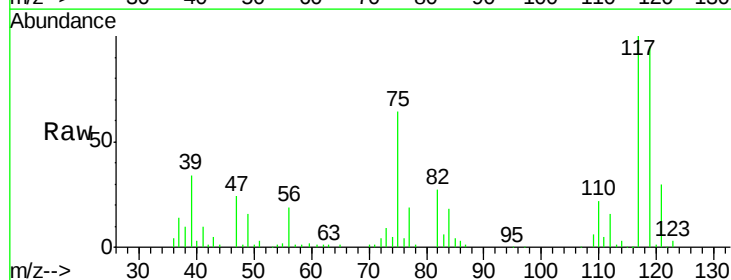
RT: 8.07 min Scan# 1011

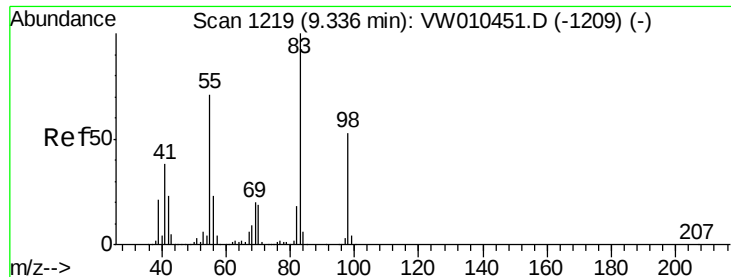
Delta R.T. -0.00 min

Lab File: VW010458.D

Acq: 20 May 2019 20:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 45423 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 94.9  | 77.4  | 116.0 |
| 121      | 30.5  | 25.0  | 37.6  |





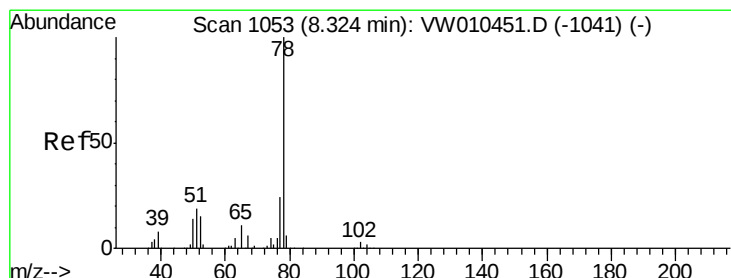
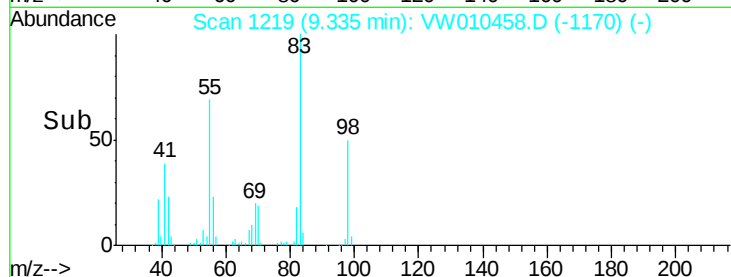
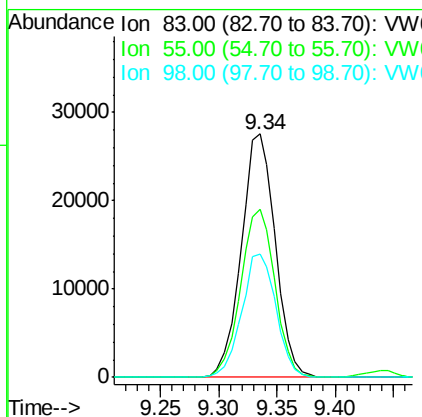
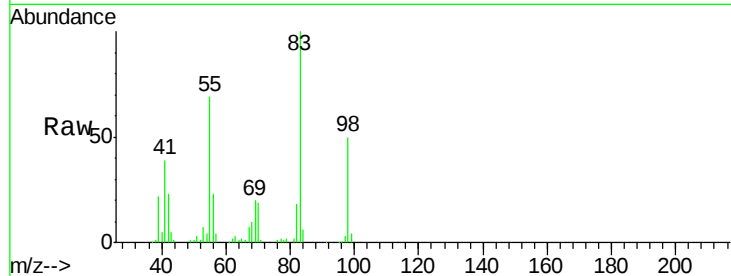
#39  
Methvlcvclohexane  
Concen: 18.855 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. -0.00 min  
Lab File: VW010458.D  
Acq: 20 May 2019 20:33

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0520SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 68.9  | 57.0  | 85.6  |
| 98      | 50.4  | 42.0  | 63.0  |

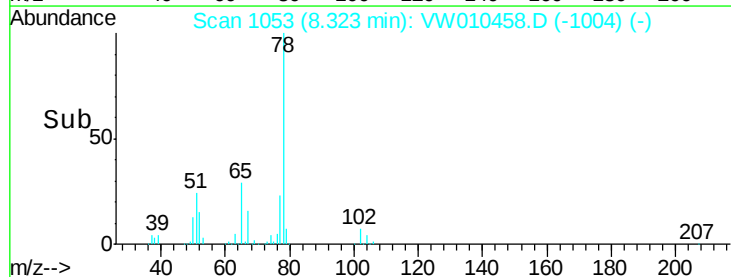
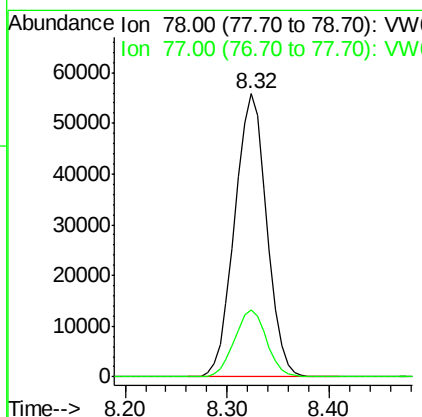
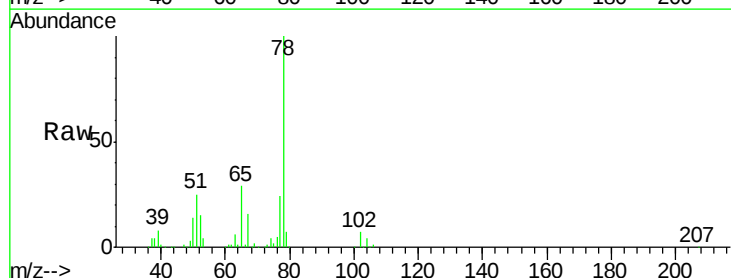
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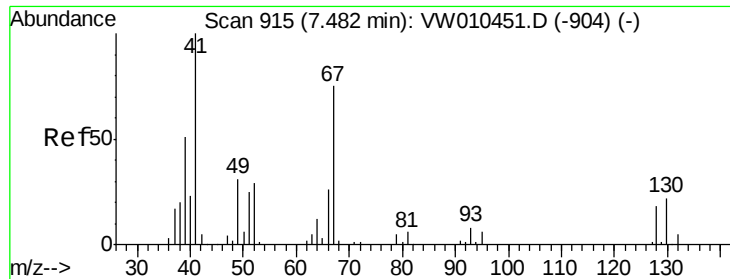
MMDadoda  
5/21/2019 11:29:02 AM



#40  
Benzene  
Concen: 19.646 ug/l  
RT: 8.32 min Scan# 1053  
Delta R.T. -0.00 min  
Lab File: VW010458.D  
Acq: 20 May 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.6  | 18.9  | 28.3  |





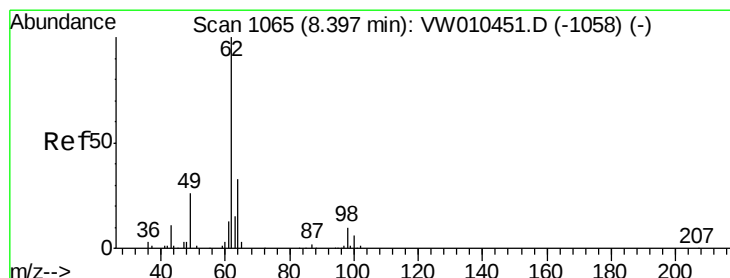
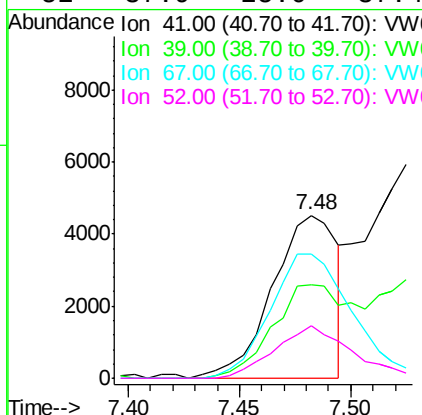
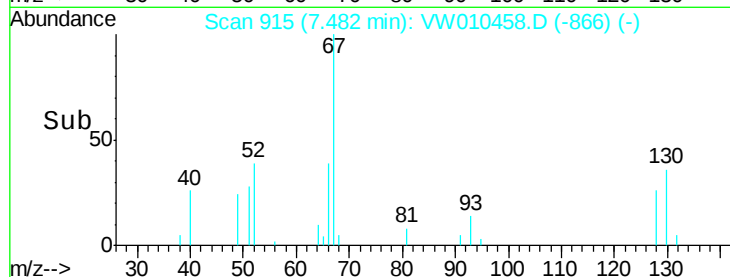
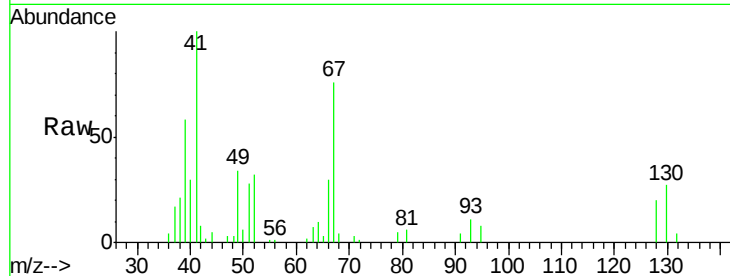
#41  
Methacrylonitrile  
Concen: 16.235 ug/l  
RT: 7.48 min Scan# 915  
Delta R.T. -0.00 min  
Lab File: VW010458.D  
Acq: 20 May 2019 20:33

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0520SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 73.2  | 47.4  | 71.2# |
| 67      | 96.3  | 65.5  | 98.3  |
| 52      | 37.9  | 25.0  | 37.4# |

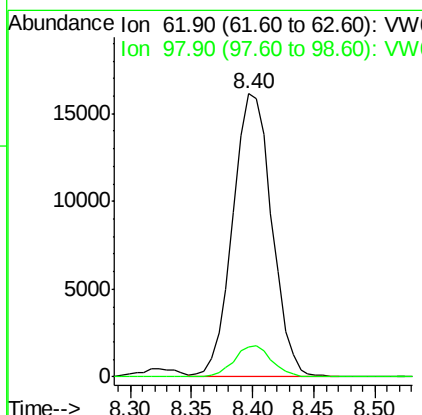
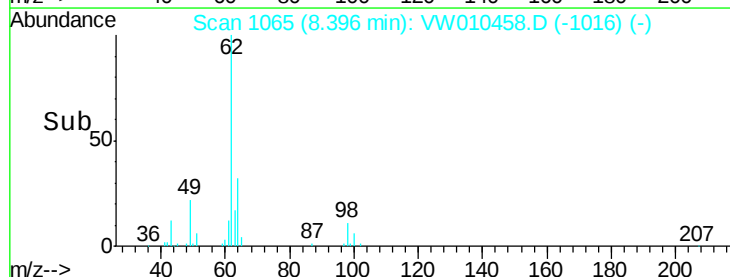
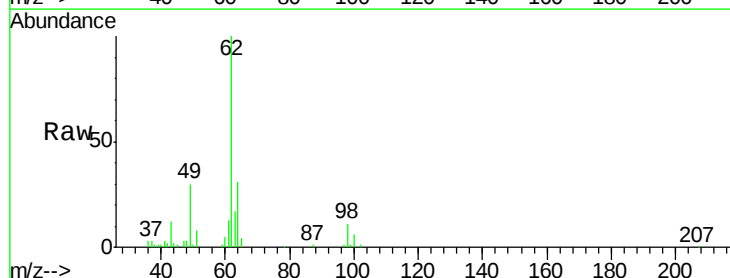
Manual Integrations  
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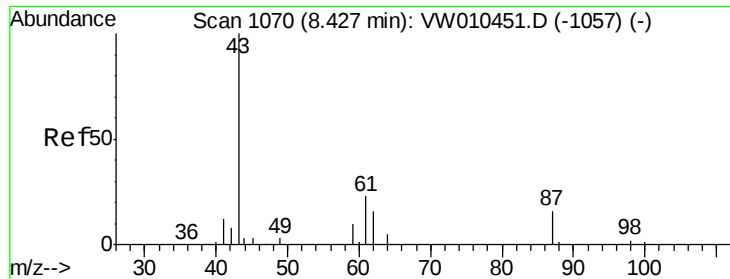
MMDadoda  
5/21/2019 11:29:02 AM



#42  
1,2-Dichloroethane  
Concen: 20.239 ug/l  
RT: 8.40 min Scan# 1065  
Delta R.T. -0.00 min  
Lab File: VW010458.D  
Acq: 20 May 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 10.6  | 0.0   | 21.0  |





#43

Isopropyl Acetate

Concen: 20.186 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010458.D

Acq: 20 May 2019 20:33

Instrument :

MSVOA\_W

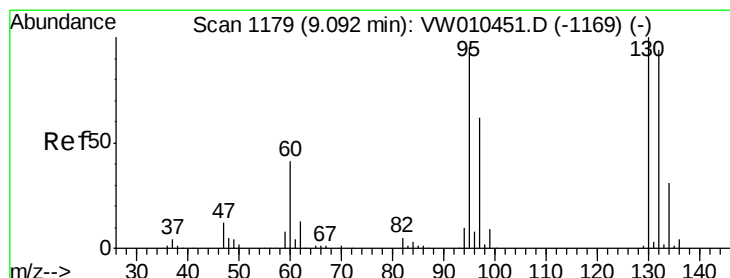
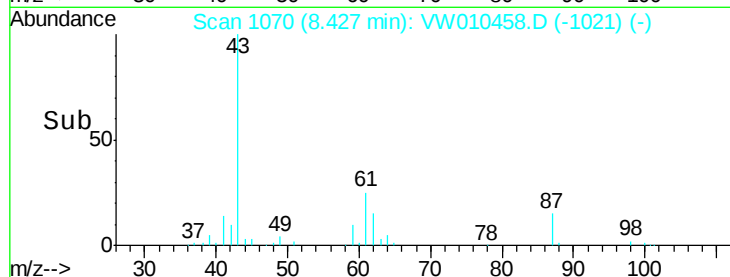
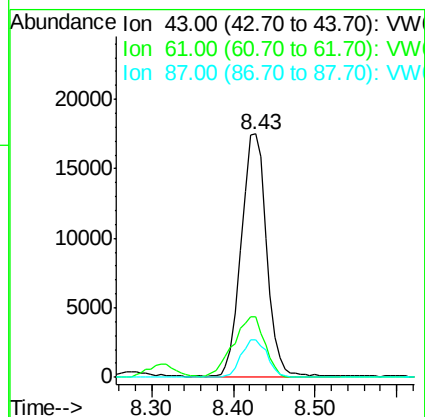
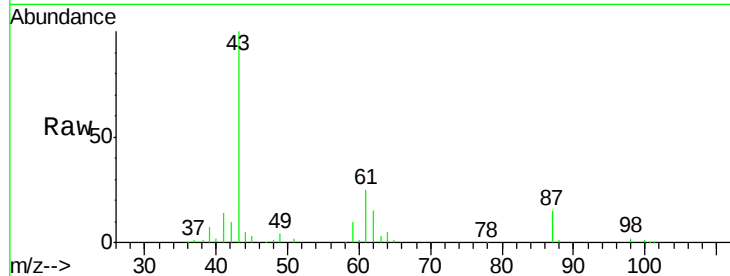
ClientSampleId :

VW0520SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 38142 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 30.9  | 25.4  | 38.2  |
| 87       | 15.7  | 12.7  | 19.1  |

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5/21/2019 11:29:02 AM



#44

Trichloroethene

Concen: 19.318 ug/l

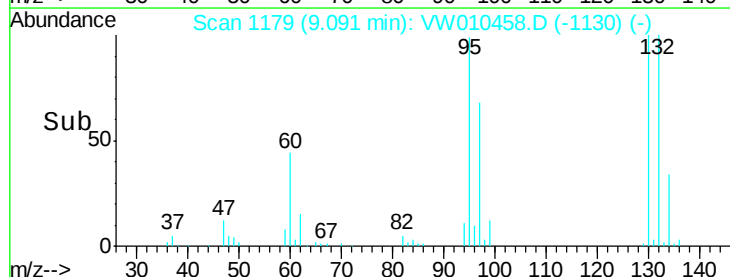
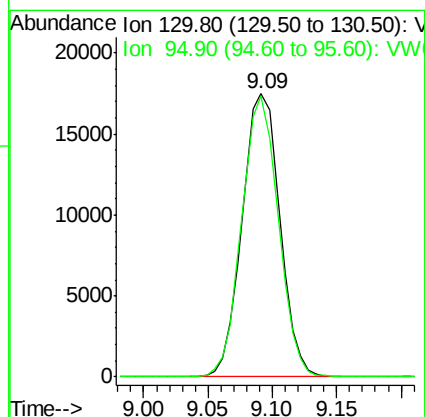
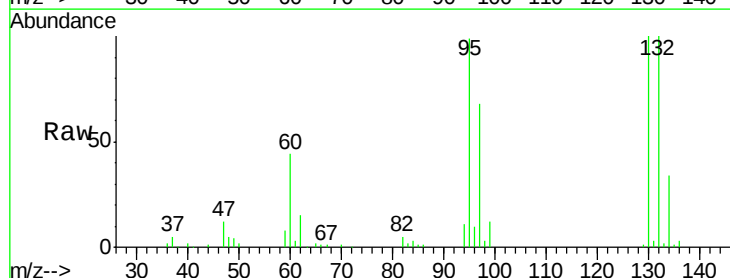
RT: 9.09 min Scan# 1179

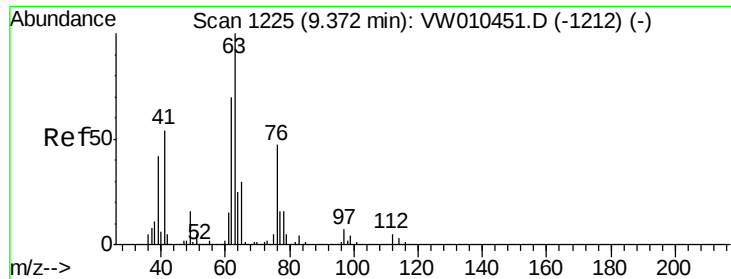
Delta R.T. -0.00 min

Lab File: VW010458.D

Acq: 20 May 2019 20:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 35454 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 99.3  | 0.0   | 189.6 |





#45

1,2-Dichloropropane

Concen: 19.729 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW010458.D

Acq: 20 May 2019 20:33

Instrument :

MSVOA\_W

ClientSampleId :

VW0520SBS01

Tot Ion: 63 Resp: 28967

Ion Ratio Lower Upper

63 100

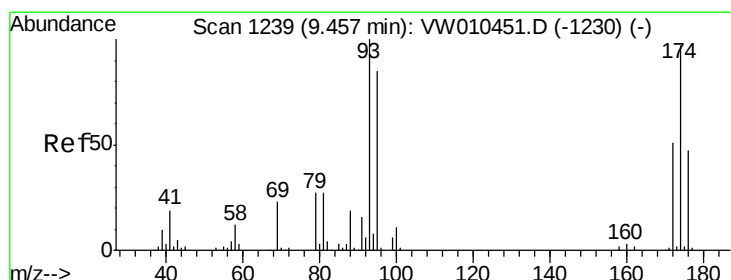
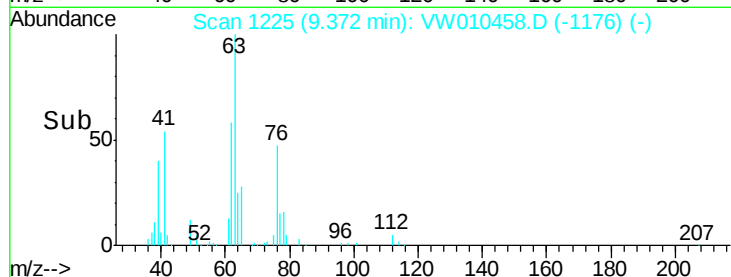
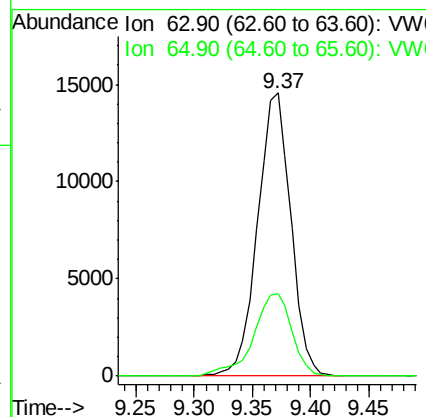
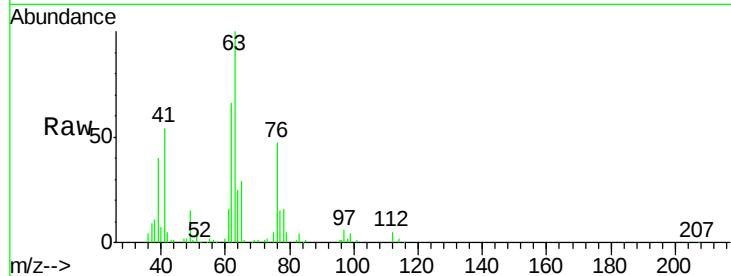
65 29.1 24.3 36.5

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#46

Dibromomethane

Concen: 19.652 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010458.D

Acq: 20 May 2019 20:33

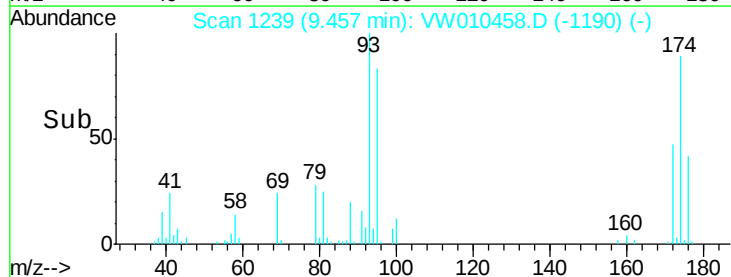
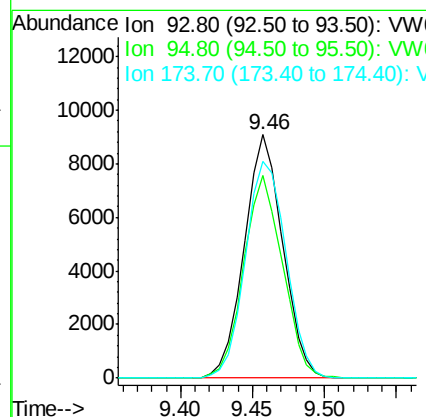
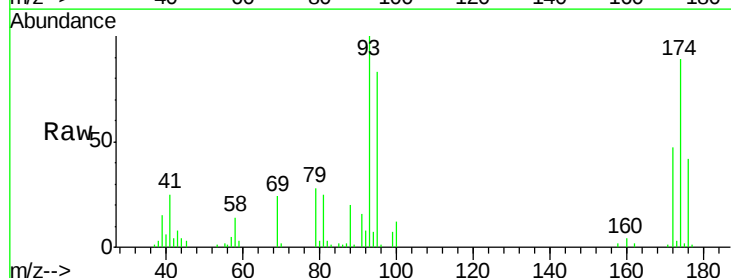
Tgt Ion: 93 Resp: 16874

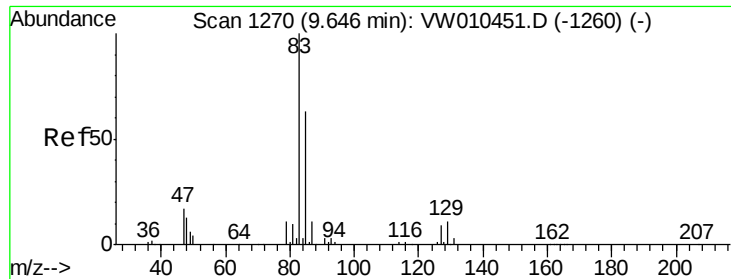
Ion Ratio Lower Upper

93 100

95 83.9 66.1 99.1

174 93.6 77.1 115.7





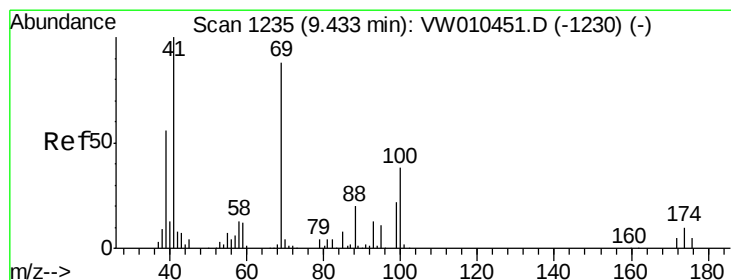
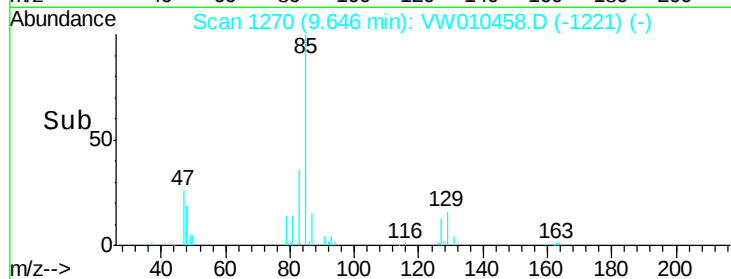
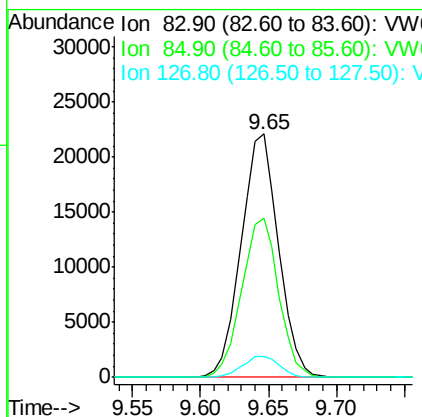
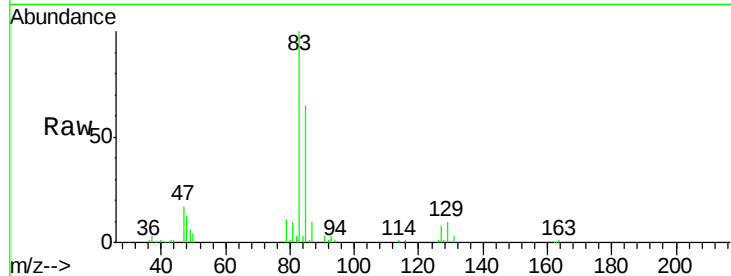
#47  
Bromodichloromethane  
Concen: 19.623 ug/l  
RT: 9.65 min Scan# 1270  
Delta R.T. -0.00 min  
Lab File: VW010458.D  
Acq: 20 May 2019 20:33

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0520SBS01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 83      | 100   | 42342 |       |       |
| 85      | 65.3  |       | 50.4  | 75.6  |
| 127     | 8.3   |       | 7.4   | 11.0  |

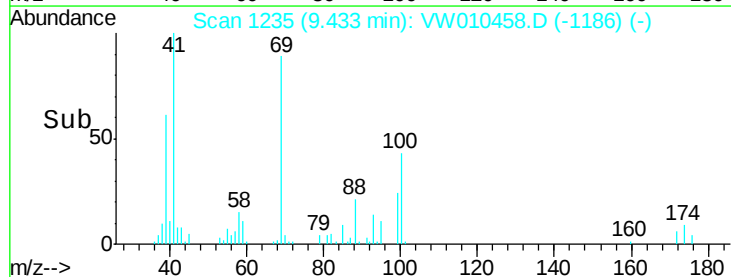
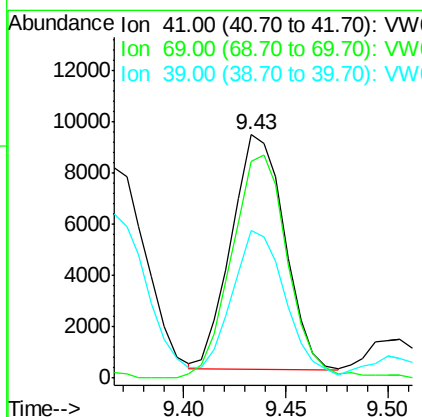
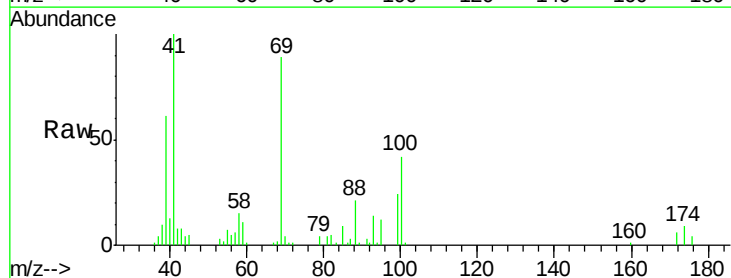
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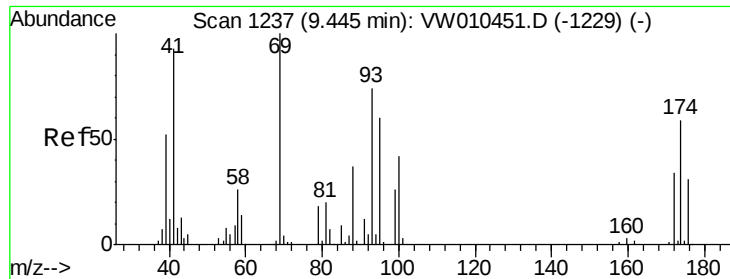
MMDadoda  
5/21/2019 11:29:02 AM



#48  
Methyl methacrylate  
Concen: 19.147 ug/l  
RT: 9.43 min Scan# 1235  
Delta R.T. -0.00 min  
Lab File: VW010458.D  
Acq: 20 May 2019 20:33

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 41      | 100   | 16552 |       |       |
| 69      | 101.0 |       | 77.6  | 116.4 |
| 39      | 64.5  |       | 49.8  | 74.8  |





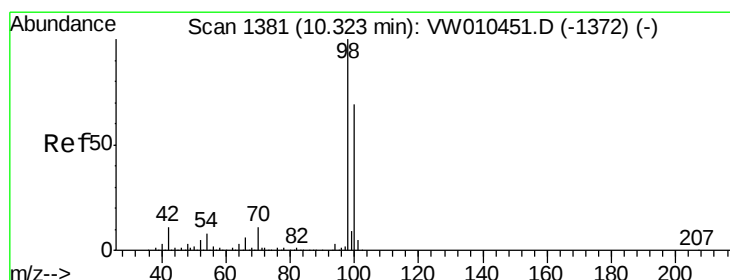
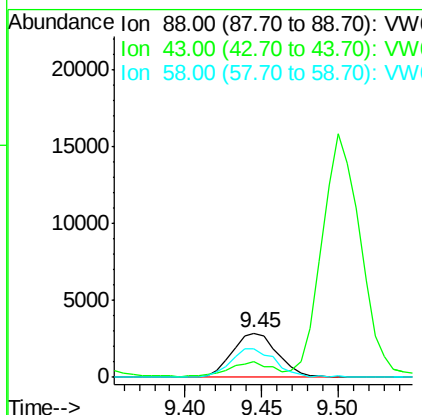
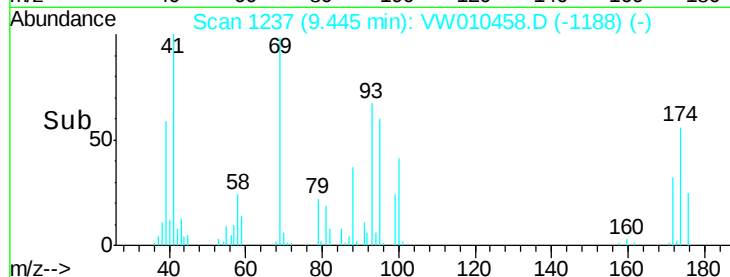
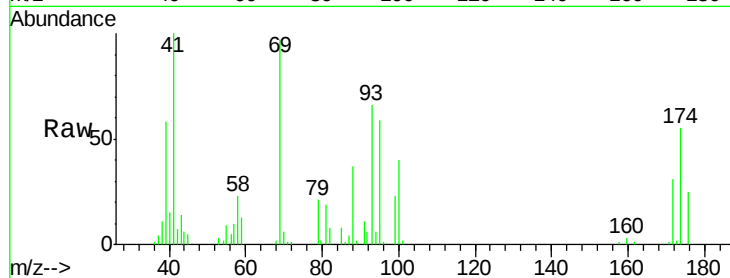
#49  
1,4-Dioxane  
Concen: 420.493 ug/l  
RT: 9.45 min Scan# 1237  
Delta R.T. -0.00 min  
Lab File: VW010458.D  
Acq: 20 May 2019 20:33

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0520SBS01

| Tot Ion | 88    | Resp  | 5898  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 34.4  | 25.9  | 38.9  |
| 58      | 65.3  | 52.7  | 79.1  |

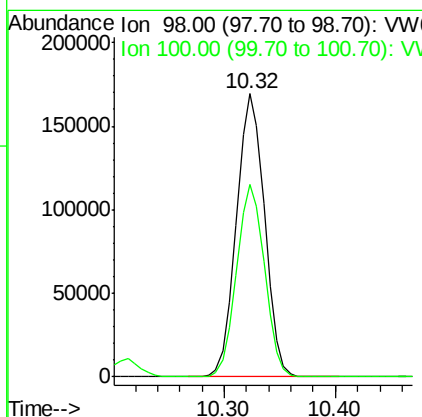
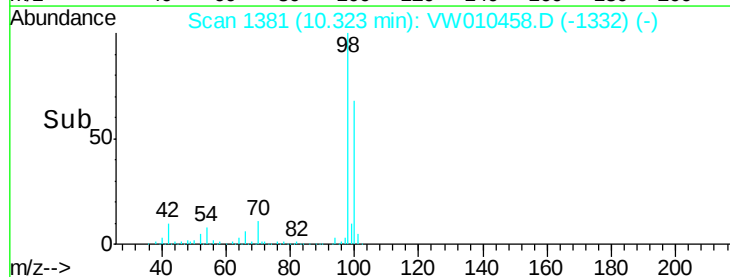
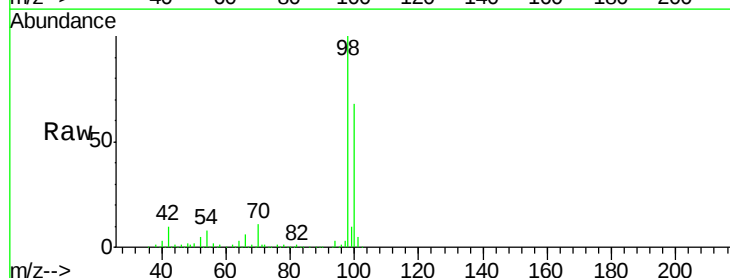
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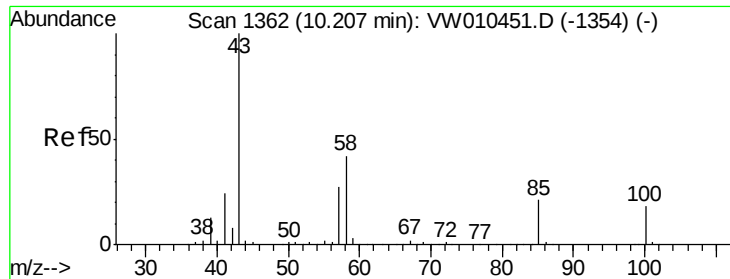
MMDadoda  
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#50  
Toluene-d8  
Concen: 53.504 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. -0.00 min  
Lab File: VW010458.D  
Acq: 20 May 2019 20:33

| Tgt Ion | 98    | Resp  | 296121 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 98      | 100   |       |        |
| 100     | 67.6  | 53.7  | 80.5   |





#51

4-Methyl-2-Pentanone

Concen: 100.558 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010458.D

Acq: 20 May 2019 20:33

Instrument :

MSVOA\_W

ClientSampleId :

VW0520SBS01

Tot Ion: 43 Resp: 96282

Ion Ratio Lower Upper

43 100

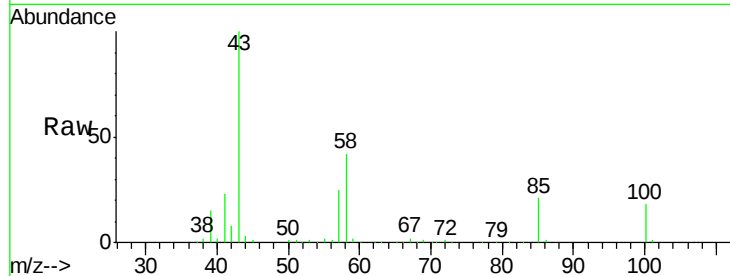
58 41.7 33.2 49.8

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

60000

50000

40000

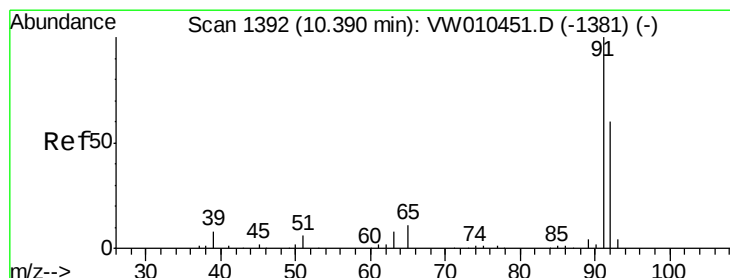
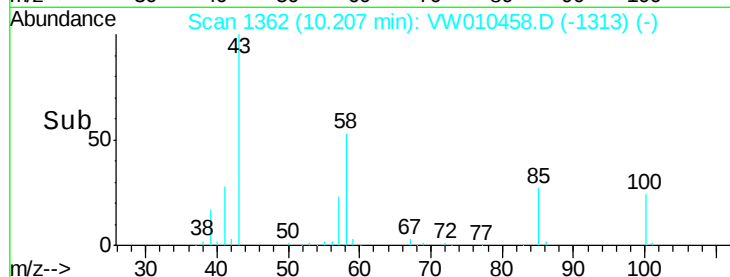
30000

20000

10000

0

Time-->



#52

Toluene

Concen: 19.975 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010458.D

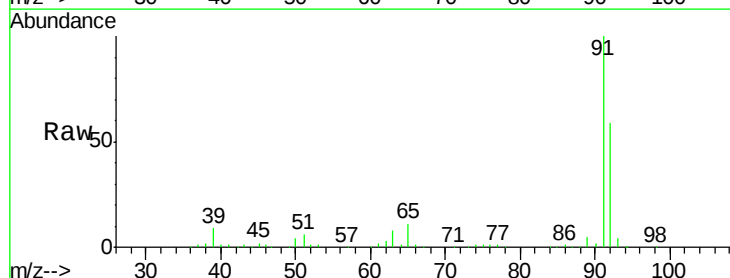
Acq: 20 May 2019 20:33

Tgt Ion: 92 Resp: 82928

Ion Ratio Lower Upper

92 100

91 167.0 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.39

80000

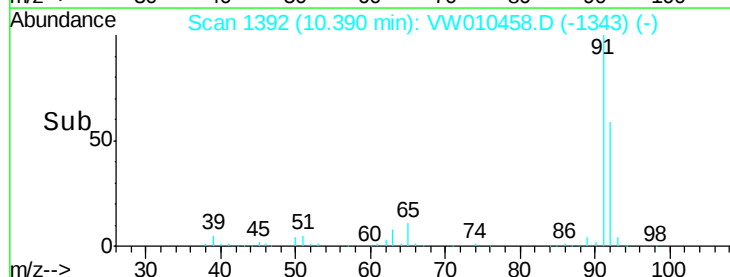
60000

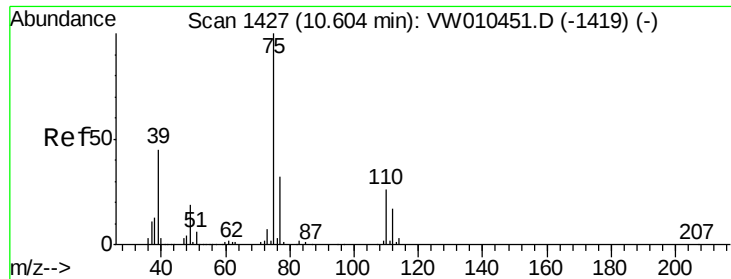
40000

20000

0

Time-->





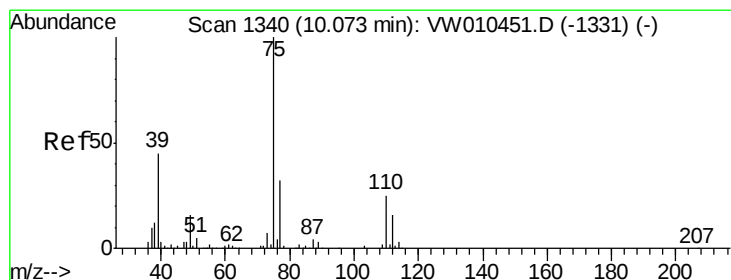
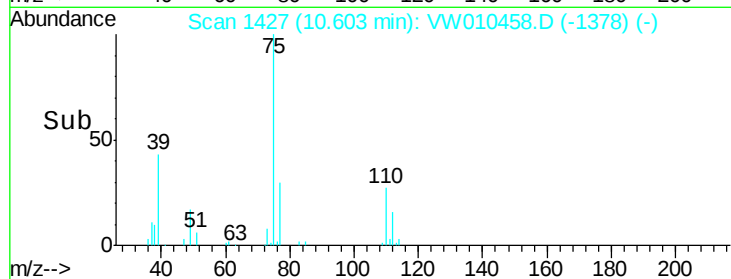
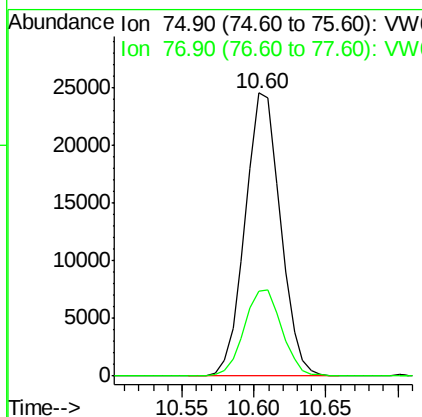
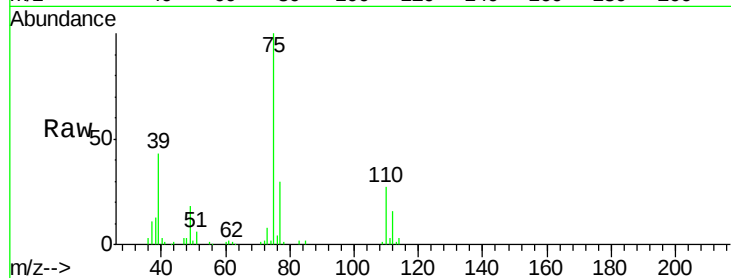
#53  
t-1,3-Dichloropropene  
Concen: 19.060 ug/l  
RT: 10.60 min Scan# 1427  
Delta R.T. -0.00 min  
Lab File: VW010458.D  
Acq: 20 May 2019 20:33

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0520SBS01

Tot Ion: 75 Resp: 41652  
Ion Ratio Lower Upper  
75 100  
77 30.1 25.4 38.0

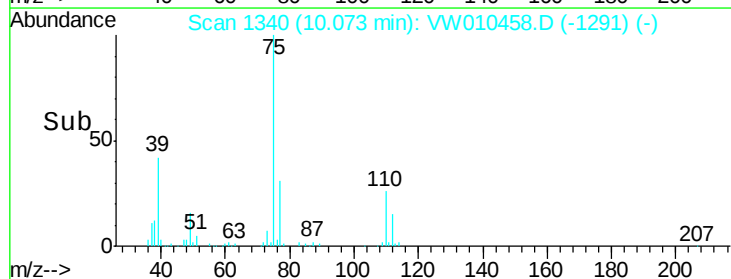
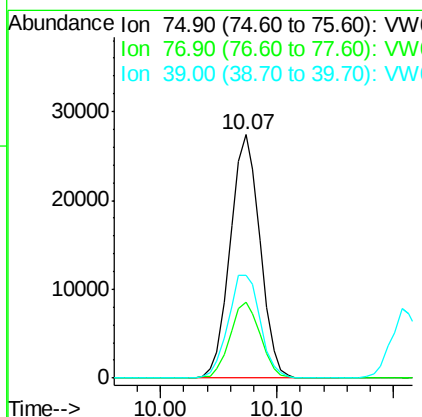
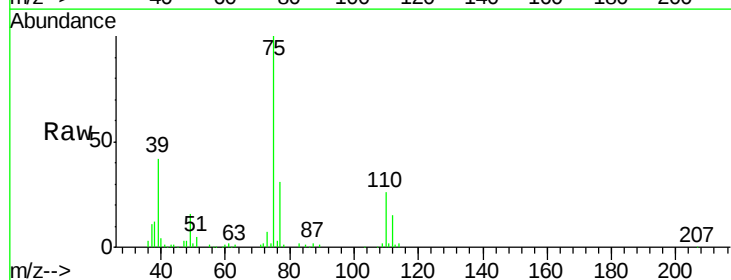
Manual Integrations  
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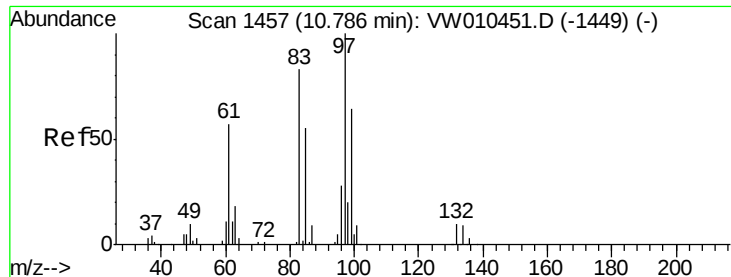
MMDadoda  
5/21/2019 11:29:02 AM



#54  
cis-1,3-Dichloropropene  
Concen: 19.543 ug/l  
RT: 10.07 min Scan# 1340  
Delta R.T. -0.00 min  
Lab File: VW010458.D  
Acq: 20 May 2019 20:33

Tgt Ion: 75 Resp: 48775  
Ion Ratio Lower Upper  
75 100  
77 31.0 25.7 38.5  
39 41.8 36.2 54.4





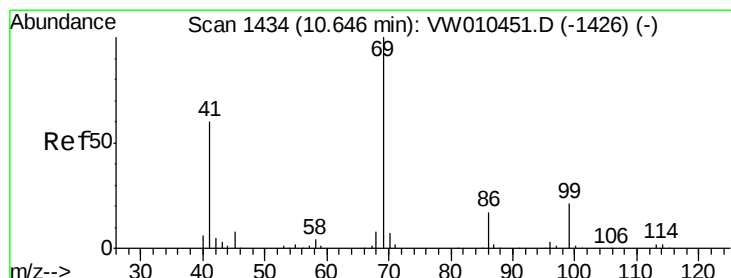
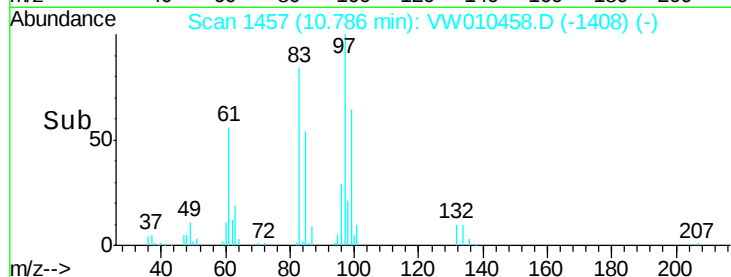
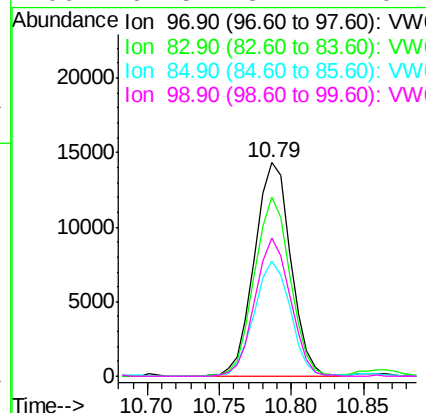
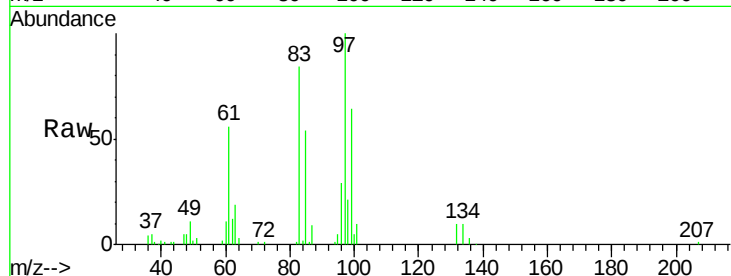
#55  
 1,1,2-Trichloroethane  
 Concen: 20.301 ug/l  
 RT: 10.79 min Scan# 1457  
 Delta R.T. -0.00 min  
 Lab File: VW010458.D  
 Acq: 20 May 2019 20:33

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0520SBS01

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 97      | 100  |       | 25066 |       |       |
| 83      | 84.1 | 66.1  | 99.1  |       |       |
| 85      | 53.7 | 44.2  | 66.4  |       |       |
| 99      | 64.5 | 51.1  | 76.7  |       |       |

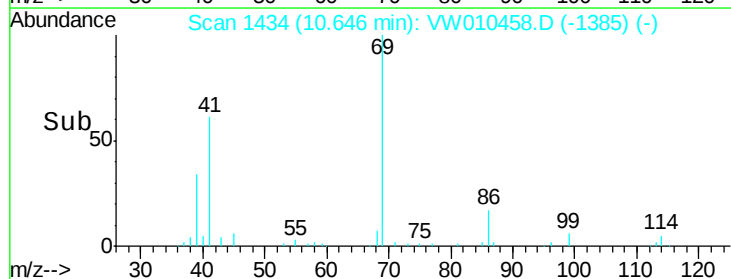
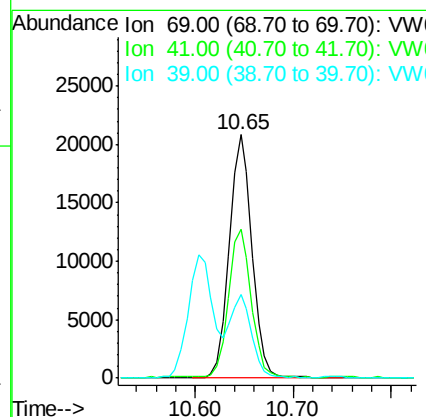
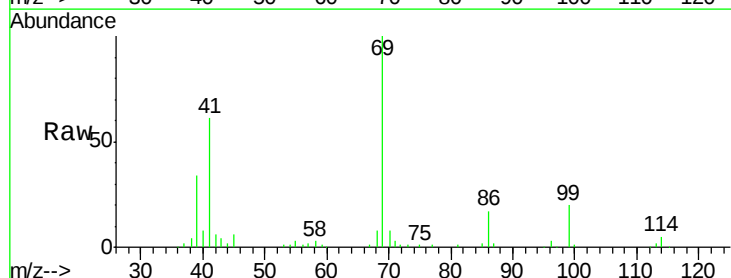
Manual Integrations  
 APPROVED

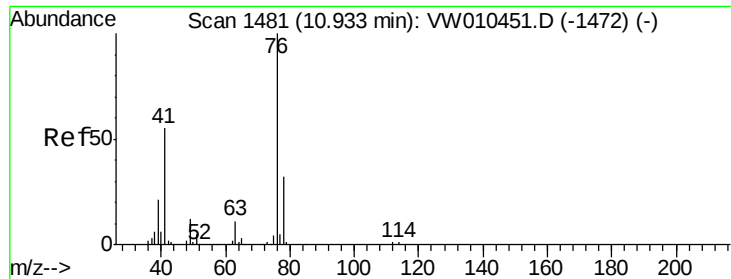
MMDadoda  
 5/21/2019 11:29:02 AM



#56  
 Ethyl methacrylate  
 Concen: 19.705 ug/l  
 RT: 10.65 min Scan# 1434  
 Delta R.T. -0.00 min  
 Lab File: VW010458.D  
 Acq: 20 May 2019 20:33

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 69      | 100  |       | 33556 |       |       |
| 41      | 62.9 | 47.7  | 71.5  |       |       |
| 39      | 32.7 | 25.3  | 37.9  |       |       |





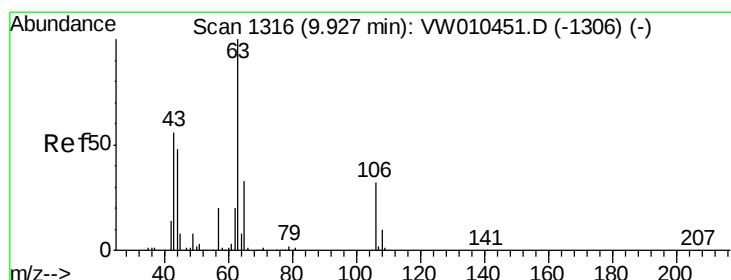
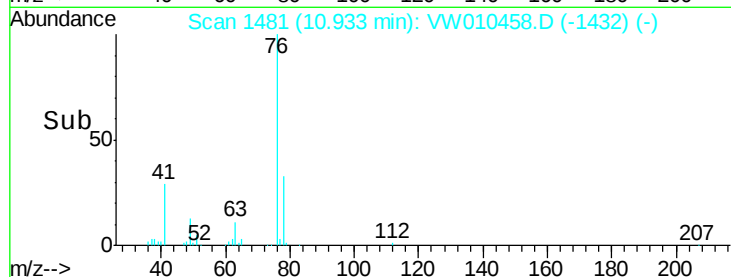
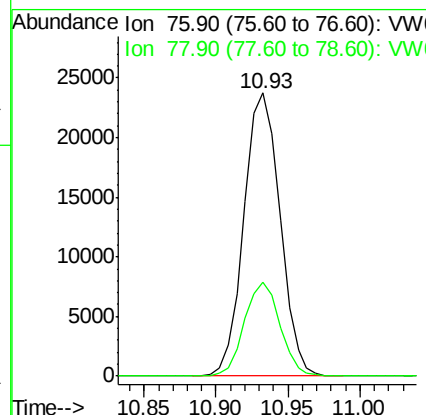
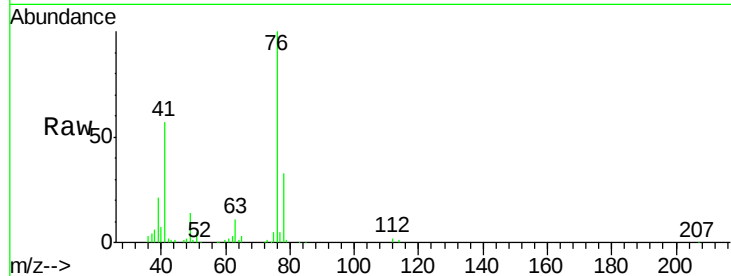
#57  
 1,3-Dichloropropane  
 Concen: 20.004 ug/l  
 RT: 10.93 min Scan# 1481  
 Delta R.T. -0.00 min  
 Lab File: VW010458.D  
 Acq: 20 May 2019 20:33

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0520SBS01

Tot Ion: 76 Resp: 41373  
 Ion Ratio Lower Upper  
 76 100  
 78 32.6 26.2 39.2

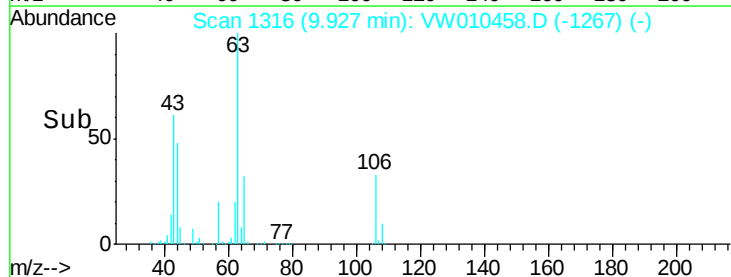
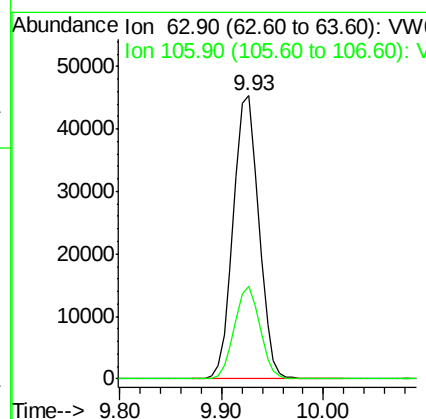
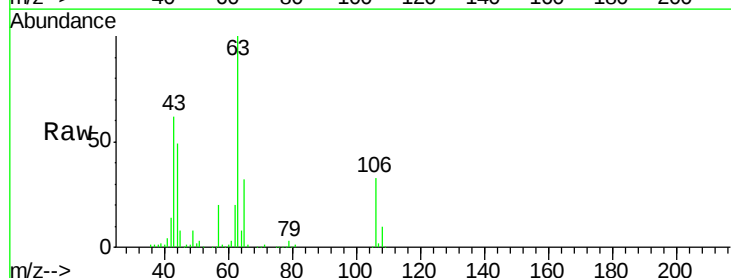
Manual Integrations  
 APPROVED

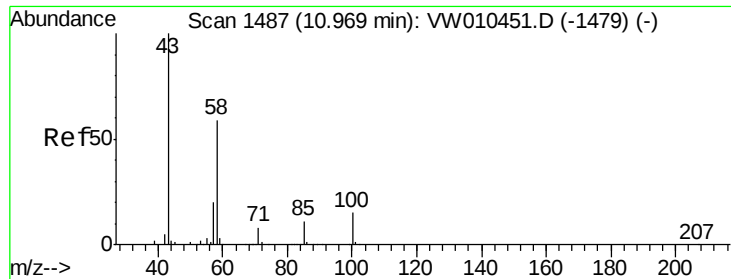
MMDadoda  
 5/21/2019 11:29:02 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 104.269 ug/l  
 RT: 9.93 min Scan# 1316  
 Delta R.T. -0.00 min  
 Lab File: VW010458.D  
 Acq: 20 May 2019 20:33

Tgt Ion: 63 Resp: 78646  
 Ion Ratio Lower Upper  
 63 100  
 106 32.5 25.8 38.6





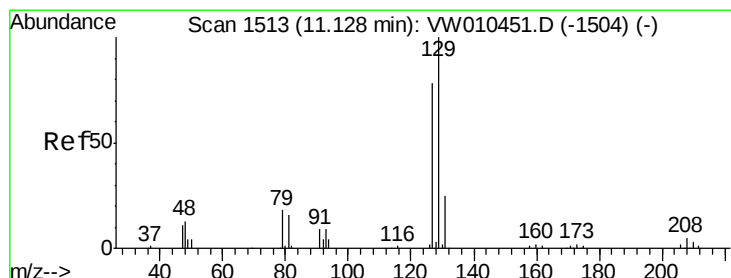
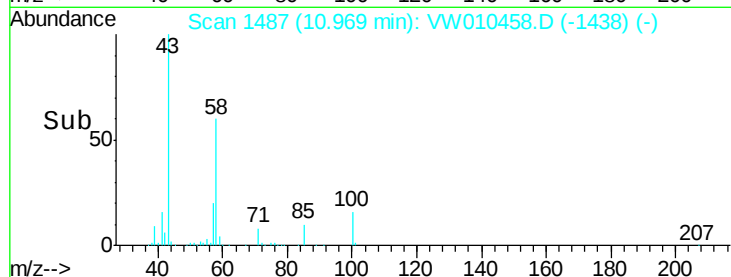
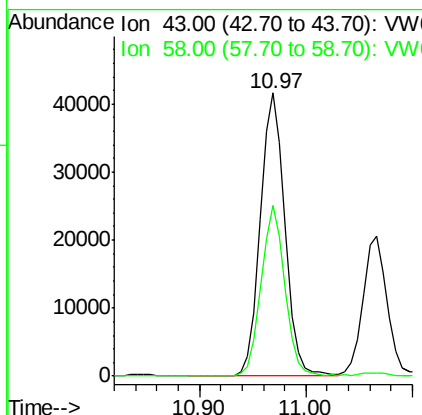
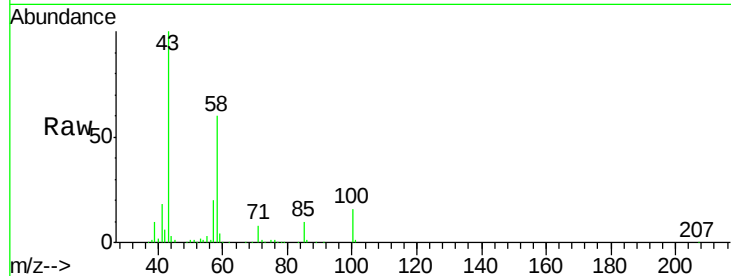
#59  
2-Hexanone  
Concen: 98.892 ug/l  
RT: 10.97 min Scan# 1487  
Delta R.T. -0.00 min  
Lab File: VW010458.D  
Acq: 20 May 2019 20:33

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0520SBS01

Tot Ion: 43 Resp: 67545  
Ion Ratio Lower Upper  
43 100  
58 58.0 28.9 86.8

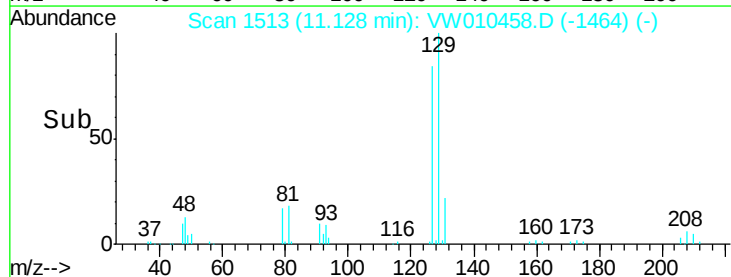
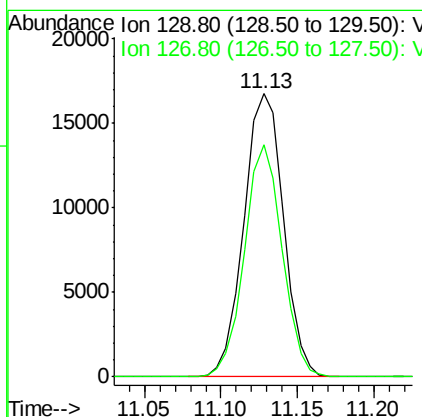
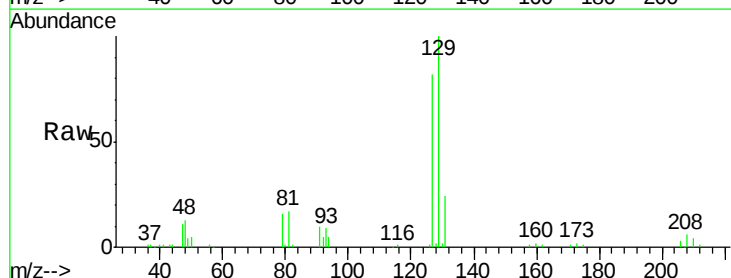
Manual Integrations  
APPROVED

MMDadoda  
5/21/2019 11:29:02 AM



#60  
Dibromochloromethane  
Concen: 19.268 ug/l  
RT: 11.13 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: VW010458.D  
Acq: 20 May 2019 20:33

Tgt Ion: 129 Resp: 30110  
Ion Ratio Lower Upper  
129 100  
127 78.2 38.9 116.7





#61

1,2-Dibromoethane

Concen: 19.843 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW010458.D

Acq: 20 May 2019 20:33

Instrument :

MSVOA\_W

ClientSampleId :

VW0520SBS01

Tot Ion:107 Resp: 24819

Ion Ratio Lower Upper

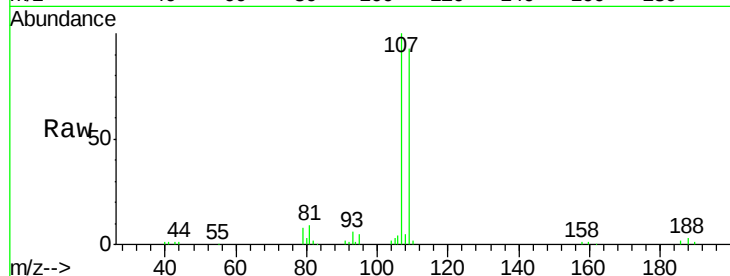
107 100

109 94.3 75.0 112.4

Manual Integrations  
APPROVED

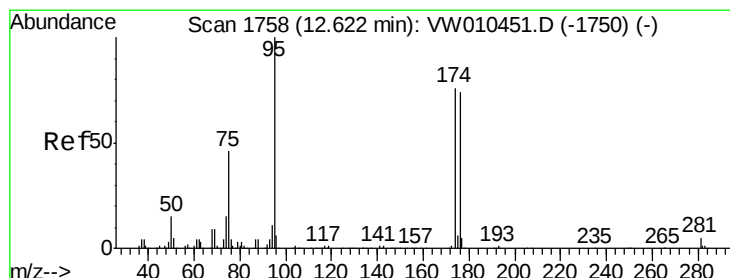
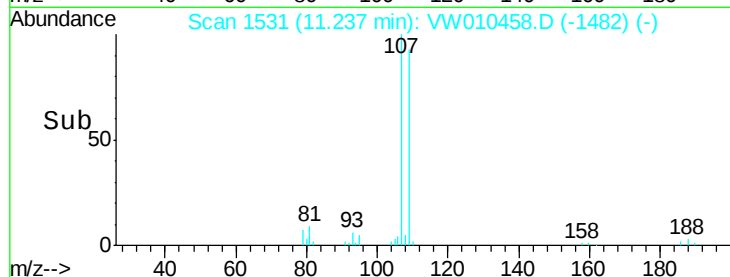
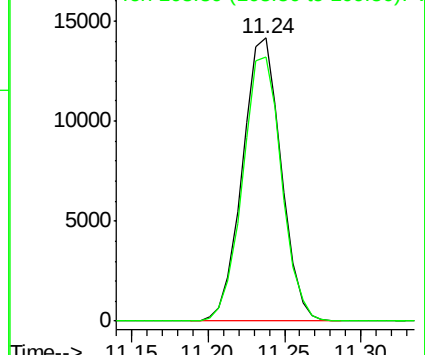
MMDadoda

5/21/2019 11:29:02 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.389 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010458.D

Acq: 20 May 2019 20:33

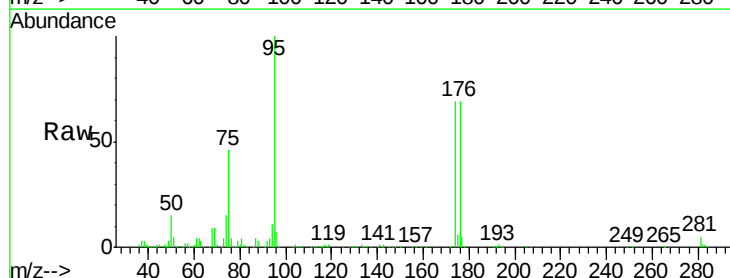
Tgt Ion: 95 Resp: 115493

Ion Ratio Lower Upper

95 100

174 69.4 0.0 148.6

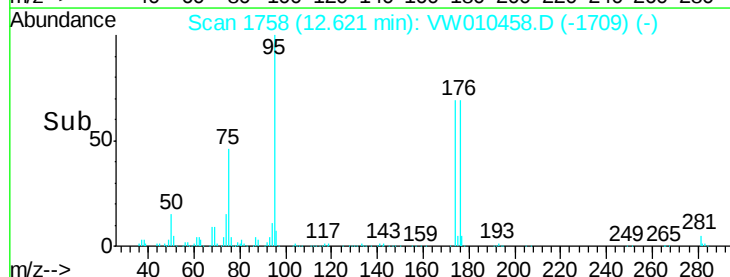
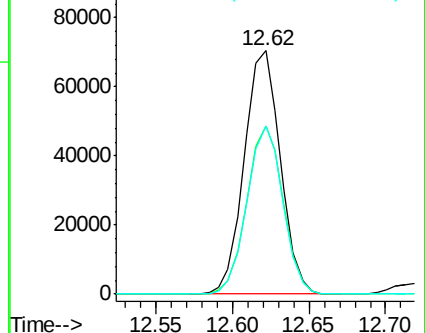
176 68.2 0.0 144.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





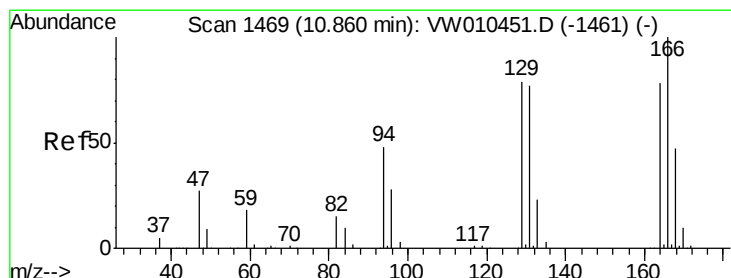
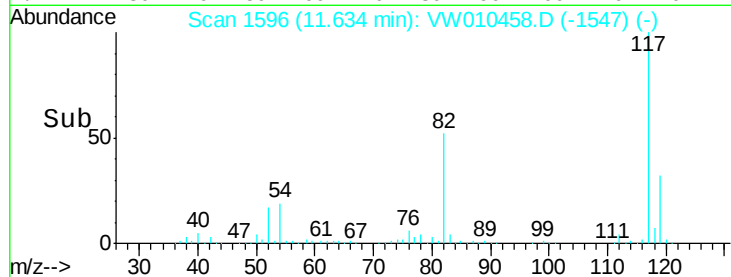
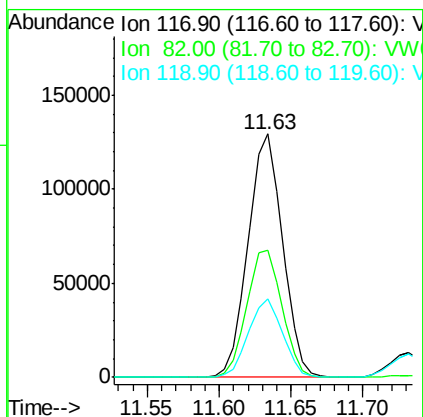
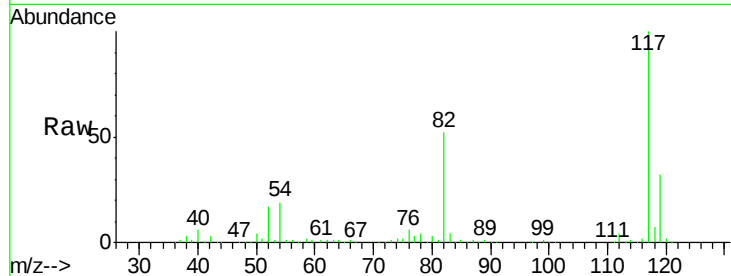
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW010458.D  
Acq: 20 May 2019 20:33

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0520SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 213975 |       |       |
| 82      | 52.1  |        | 42.8  | 64.2  |
| 119     | 32.3  |        | 26.3  | 39.5  |

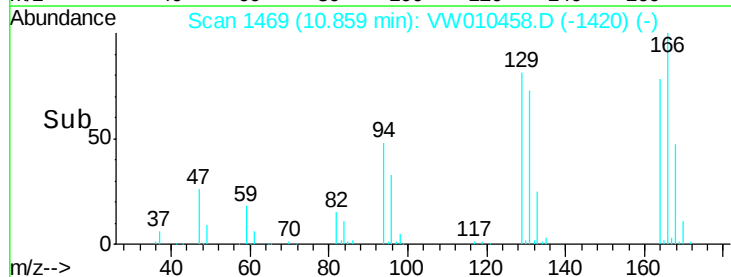
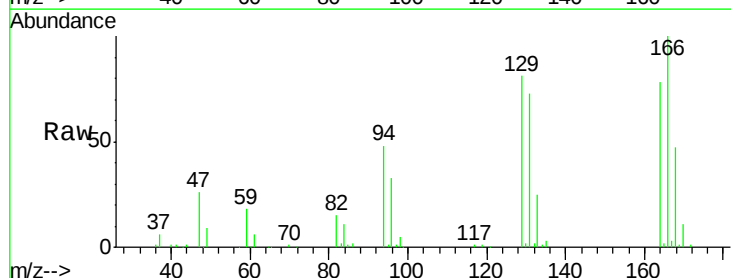
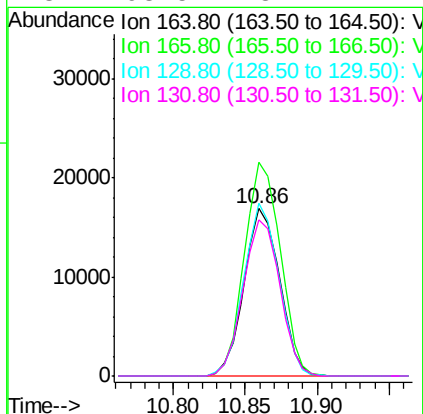
Manual Integrations  
APPROVED

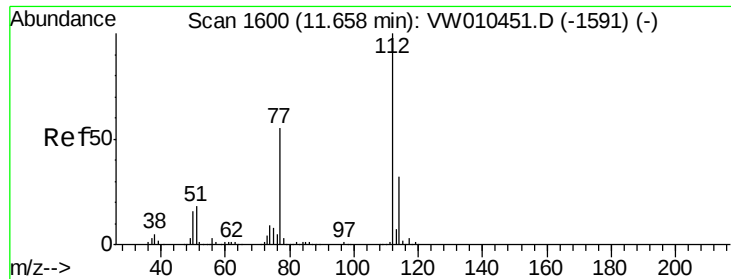
MMDadoda  
5/21/2019 11:29:02 AM



#64  
Tetrachloroethene  
Concen: 19.388 ug/l  
RT: 10.86 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VW010458.D  
Acq: 20 May 2019 20:33

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 28920 |       |       |
| 166     | 127.6 |       | 101.9 | 152.9 |
| 129     | 103.3 |       | 80.6  | 121.0 |
| 131     | 93.5  |       | 78.2  | 117.2 |





#65

Chlorobenzene

Concen: 19.371 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW010458.D

Acq: 20 May 2019 20:33

Instrument :

MSVOA\_W

ClientSampleId :

VW0520SBS01

Tot Ion:112 Resp: 88339

Ion Ratio Lower Upper

112 100

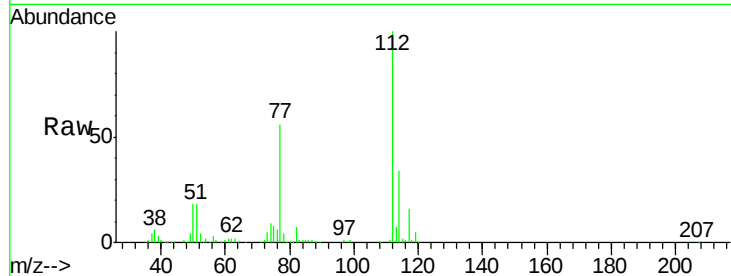
114 33.9 25.3 37.9

Manual Integrations

APPROVED

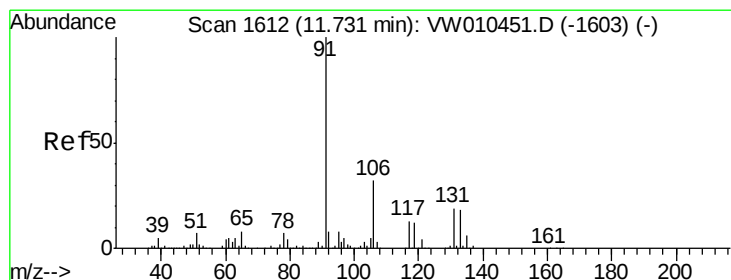
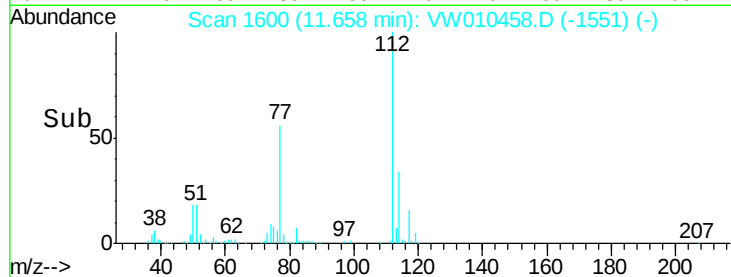
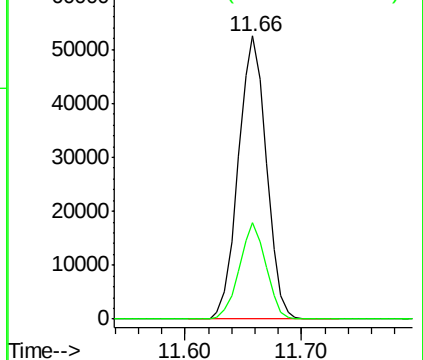
MMDadoda

5/21/2019 11:29:02 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.699 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010458.D

Acq: 20 May 2019 20:33

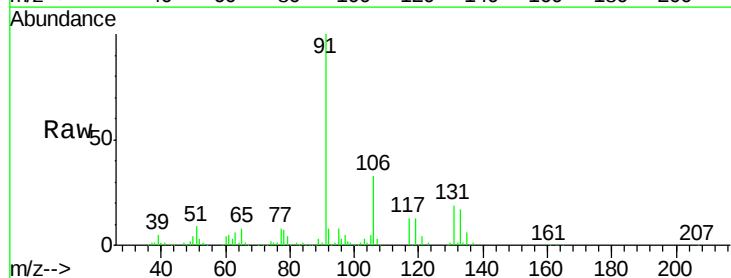
Tgt Ion:131 Resp: 32181

Ion Ratio Lower Upper

131 100

133 92.9 47.3 141.9

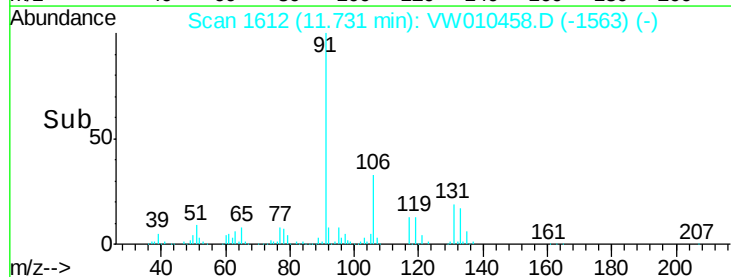
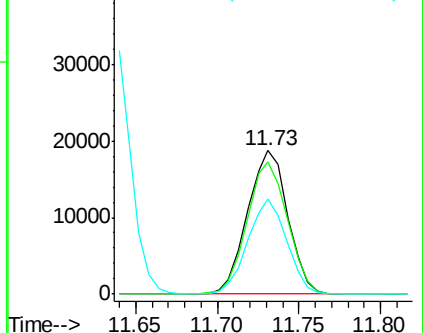
119 64.5 32.1 96.5

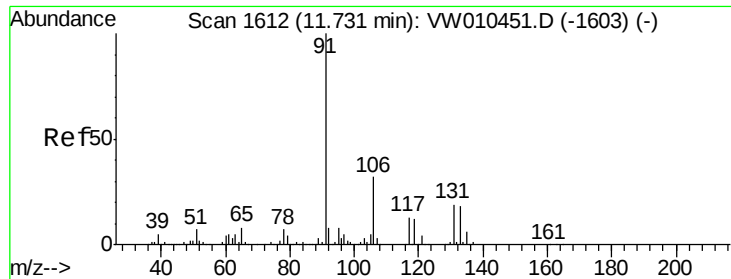


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





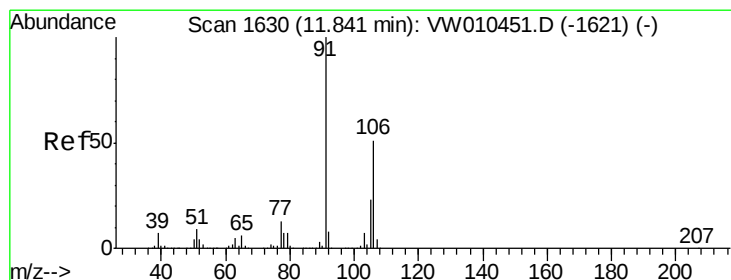
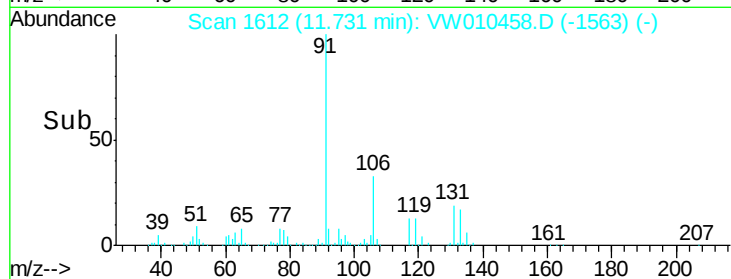
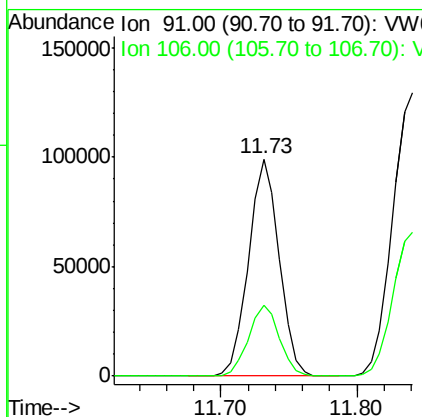
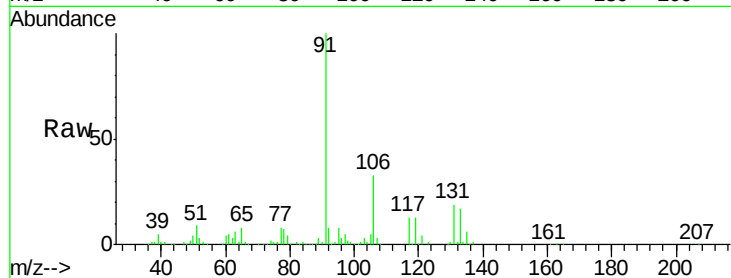
#67  
Ethyl Benzene  
Concen: 19.425 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.00 min  
Lab File: VW010458.D  
Acq: 20 May 2019 20:33

Instrument :  
MSVOA\_W  
ClientSampled :  
VW0520SBS01

| Tot Ion   | 91    | Resp  | 156399 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 106       | 32.8  | 25.9  | 38.9   |

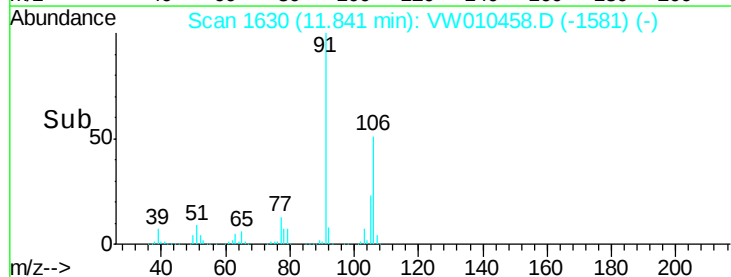
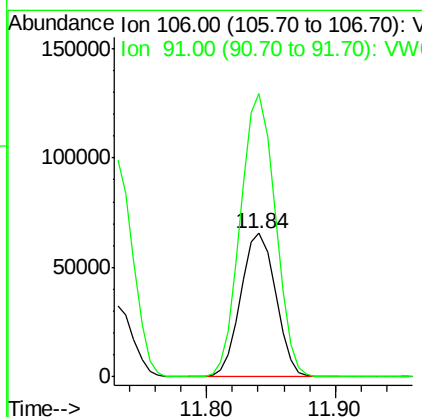
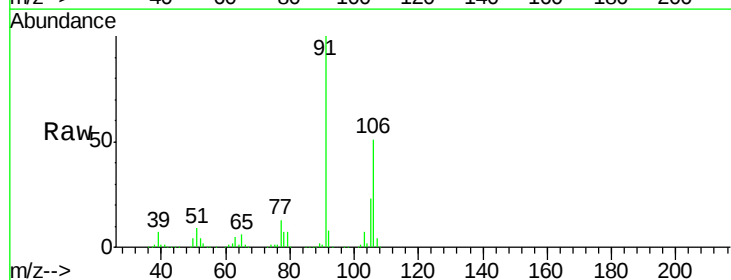
Manual Integrations  
APPROVED

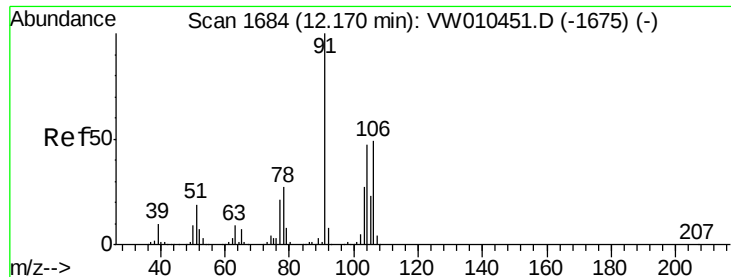
MMDadoda  
5/21/2019 11:29:02 AM



#68  
m/p-Xylenes  
Concen: 39.128 ug/l  
RT: 11.84 min Scan# 1630  
Delta R.T. -0.00 min  
Lab File: VW010458.D  
Acq: 20 May 2019 20:33

| Tgt Ion   | 106   | Resp  | 123568 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 106       | 100   |       |        |
| 91        | 196.0 | 156.0 | 234.0  |





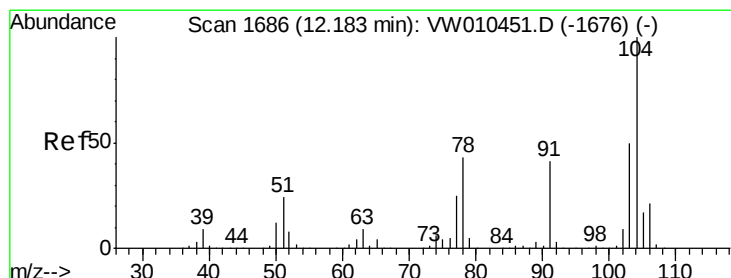
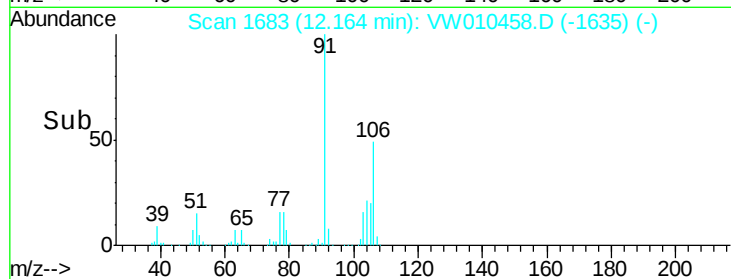
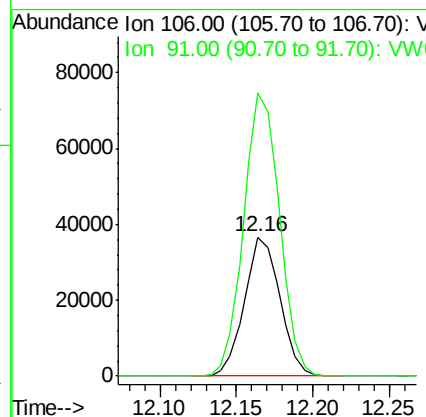
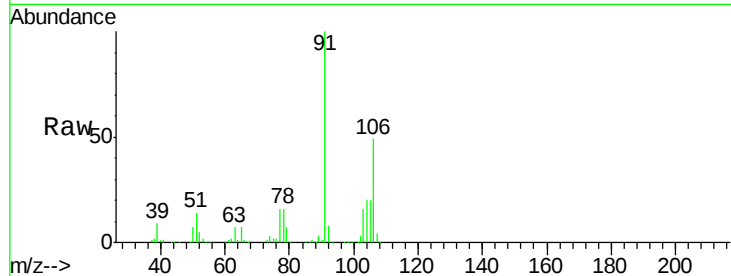
#69  
o-Xylene  
Concen: 19.710 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. -0.01 min  
Lab File: VW010458.D  
Acq: 20 May 2019 20:33

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0520SBS01

Tot Ion:106 Resp: 58973  
Ion Ratio Lower Upper  
106 100  
91 206.7 103.2 309.4

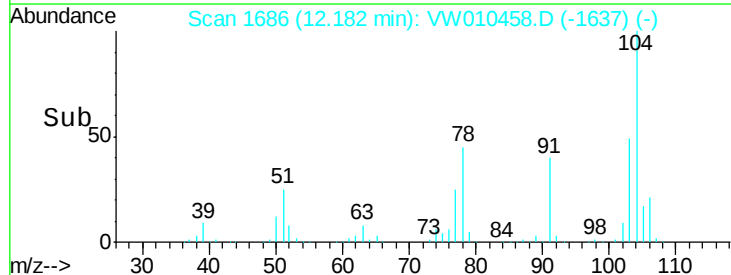
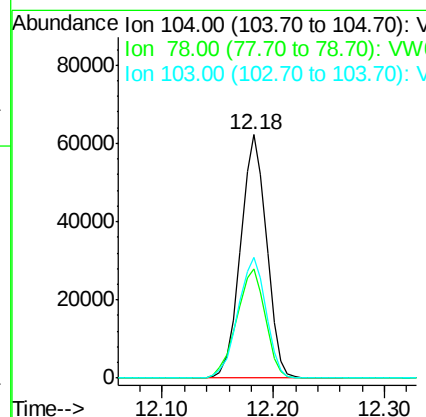
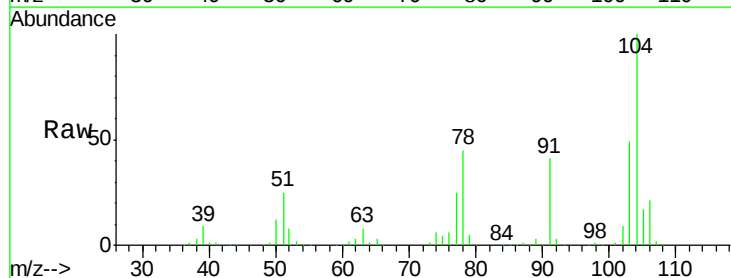
Manual Integrations  
APPROVED

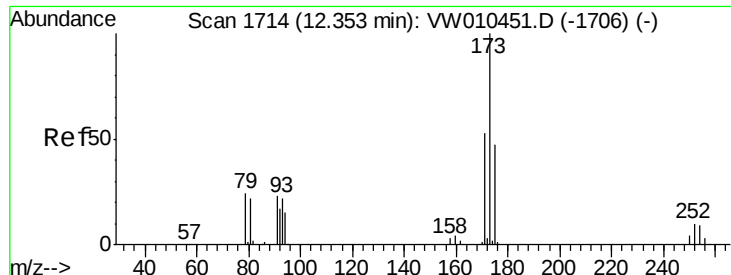
MMDadoda  
5/21/2019 11:29:02 AM



#70  
Styrene  
Concen: 19.717 ug/l  
RT: 12.18 min Scan# 1686  
Delta R.T. -0.00 min  
Lab File: VW010458.D  
Acq: 20 May 2019 20:33

Tgt Ion:104 Resp: 100095  
Ion Ratio Lower Upper  
104 100  
78 49.6 39.0 58.4  
103 53.8 43.0 64.6





#71

Bromoform

Concen: 18.831 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010458.D

Acq: 20 May 2019 20:33

Instrument :

MSVOA\_W

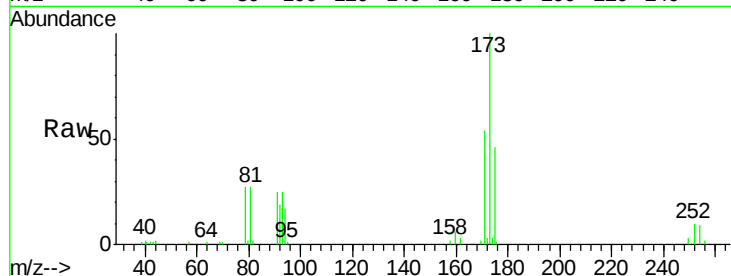
ClientSampleId :

VW0520SBS01

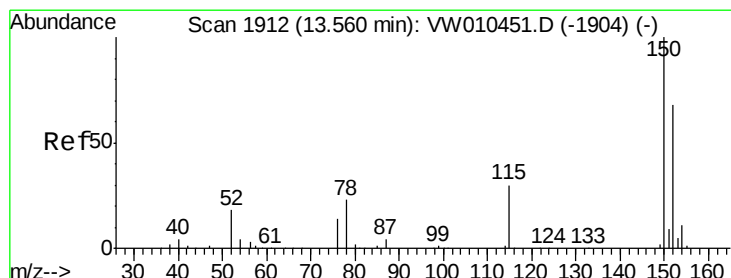
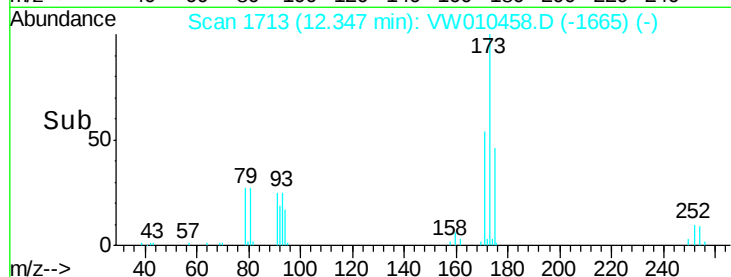
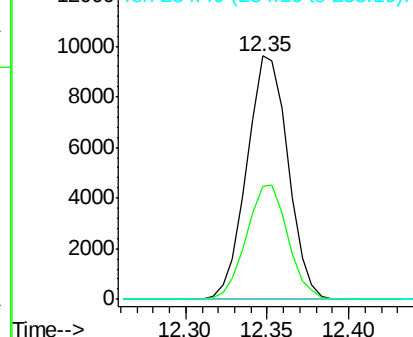
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 173   | Resp: | 16940 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 47.0  | 24.4  | 73.4  |
| 254       | 0.0   | 0.0   | 0.0   |

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

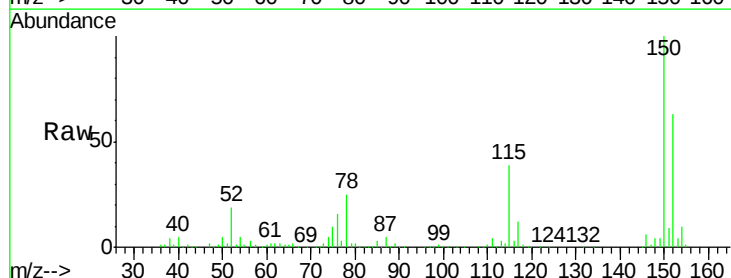
RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

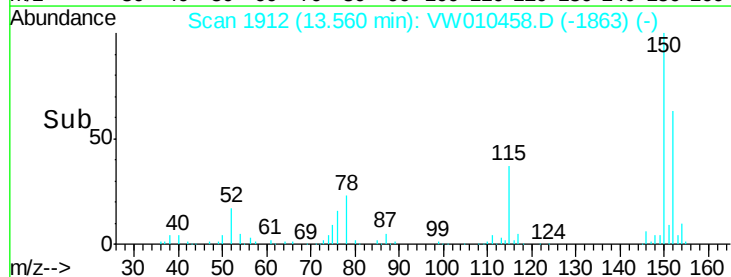
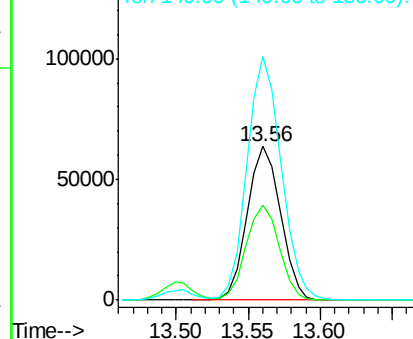
Lab File: VW010458.D

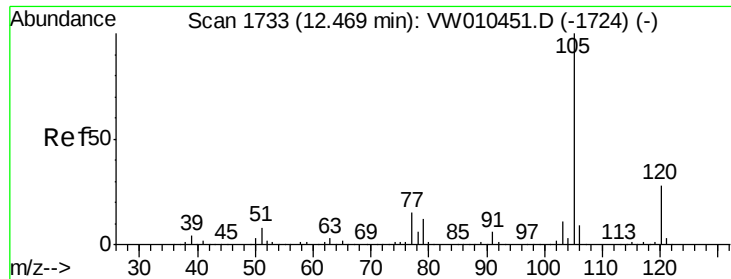
Acq: 20 May 2019 20:33

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 101836 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 61.6  | 30.3  | 91.0   |
| 150       | 162.8 | 0.0   | 349.8  |



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





#73

Isopropylbenzene

Concen: 19.565 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW010458.D

Acq: 20 May 2019 20:33

Instrument :

MSVOA\_W

ClientSampleId :

VW0520SBS01

Tot Ion: 105 Resp: 158108

Ion Ratio Lower Upper

105 100

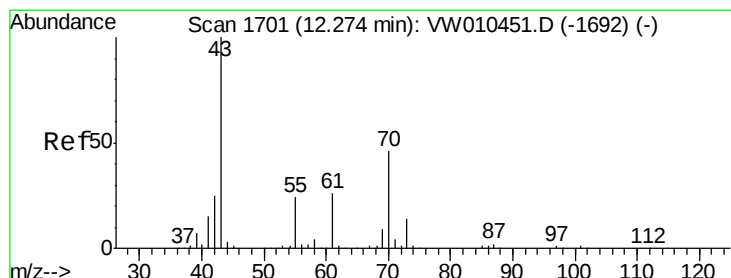
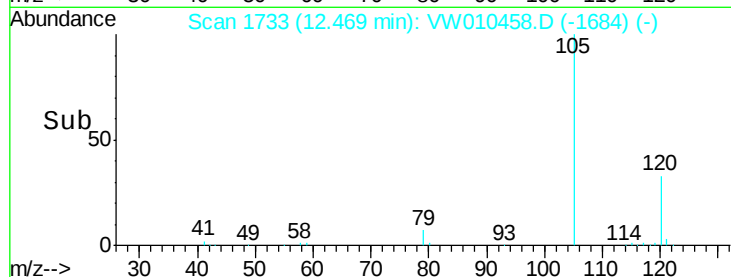
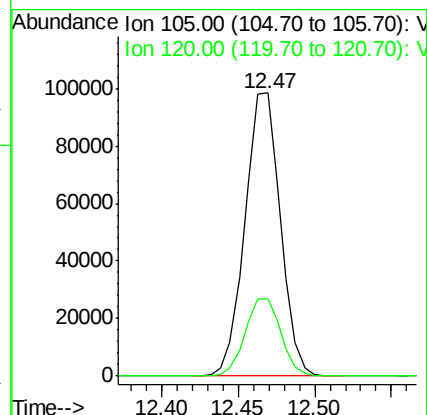
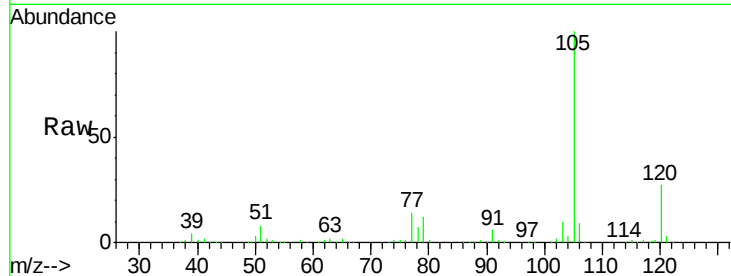
120 27.7 13.9 41.7

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#74

N-ethyl acetate

Concen: 19.736 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010458.D

Acq: 20 May 2019 20:33

Tgt Ion: 43 Resp: 36548

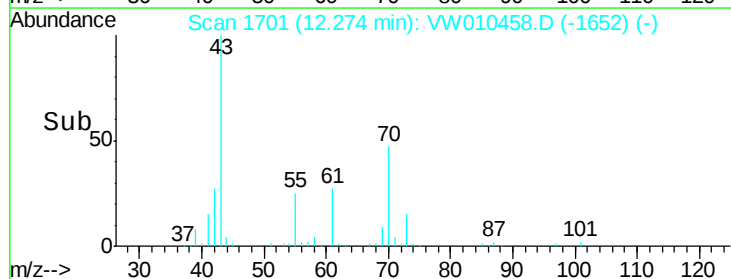
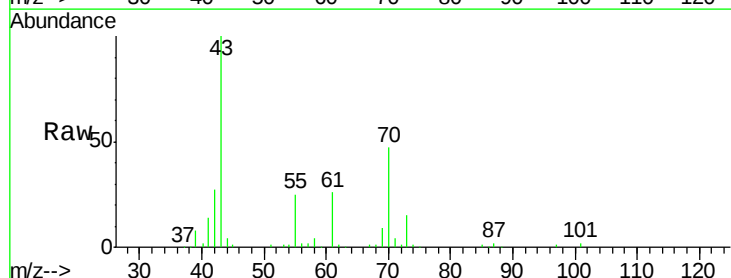
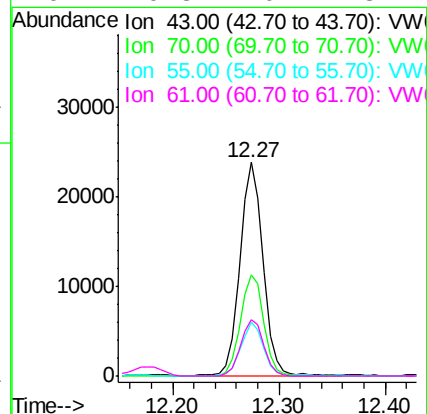
Ion Ratio Lower Upper

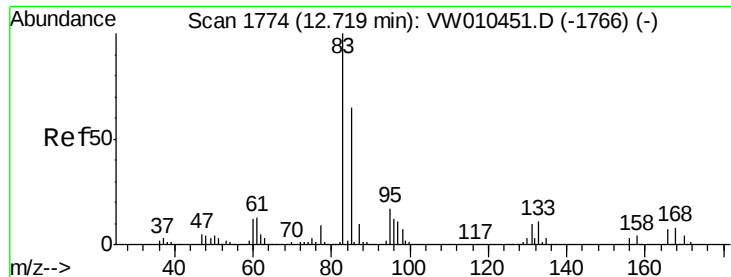
43 100

70 47.1 37.1 55.7

55 24.6 19.6 29.4

61 26.3 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.621 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010458.D

Acq: 20 May 2019 20:33

Instrument :

MSVOA\_W

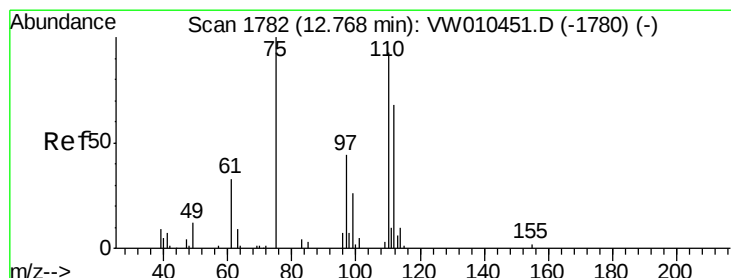
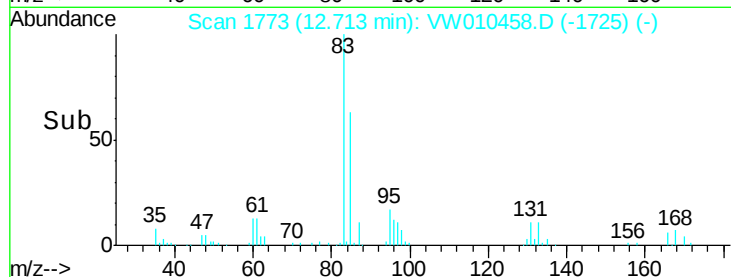
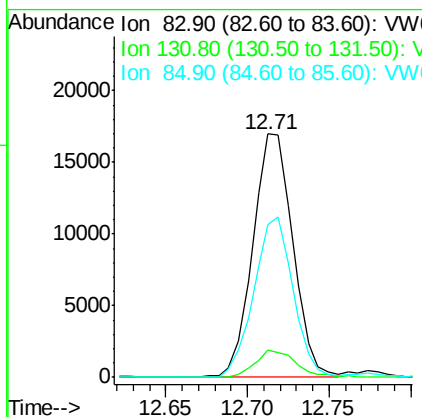
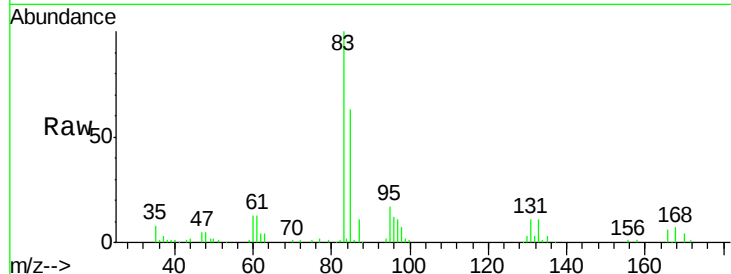
ClientSampleId :

VW0520SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 28839 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 11.3  | 5.6   | 16.8  |
| 85        | 64.5  | 32.4  | 97.0  |

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#76

1,2,3-Trichloropropane

Concen: 20.125 ug/l m

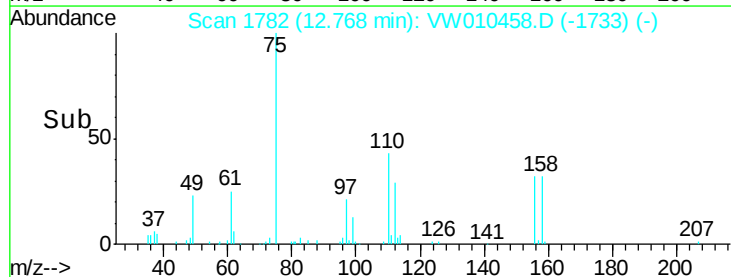
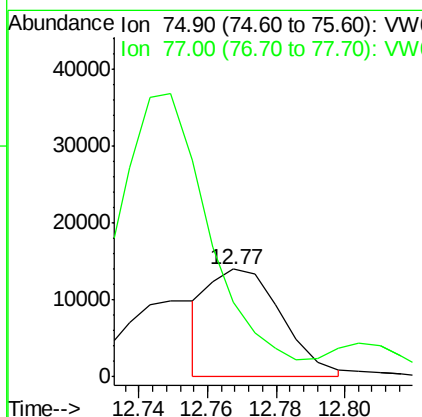
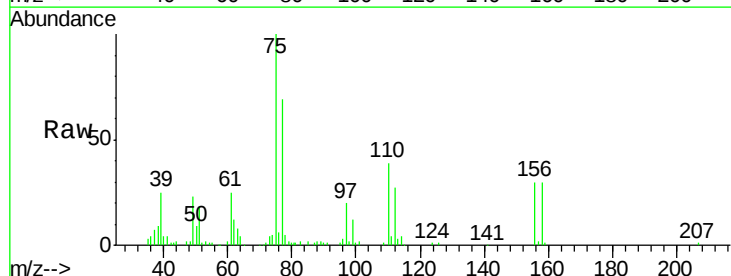
RT: 12.77 min Scan# 1782

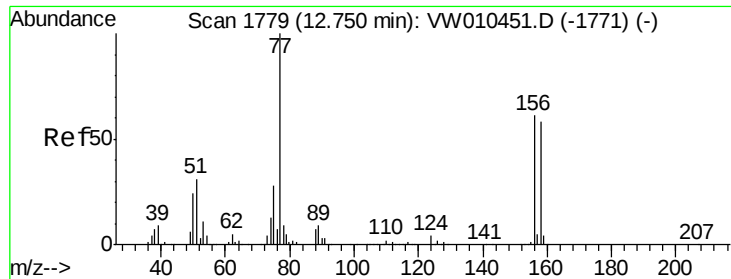
Delta R.T. -0.00 min

Lab File: VW010458.D

Acq: 20 May 2019 20:33

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 20803 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 331.6 | 170.0 | 510.1 |





#77

Bromobenzene

Concen: 19.974 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010458.D

Acq: 20 May 2019 20:33

Instrument :

MSVOA\_W

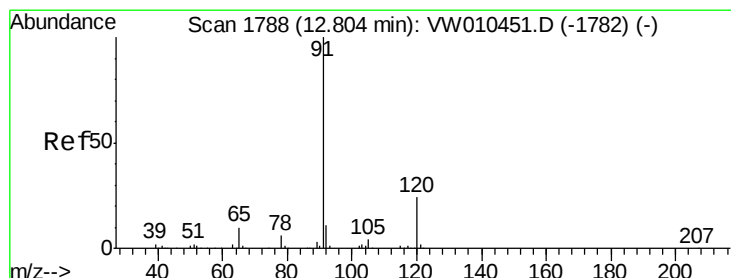
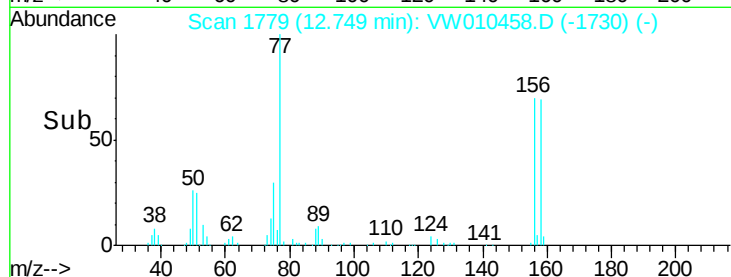
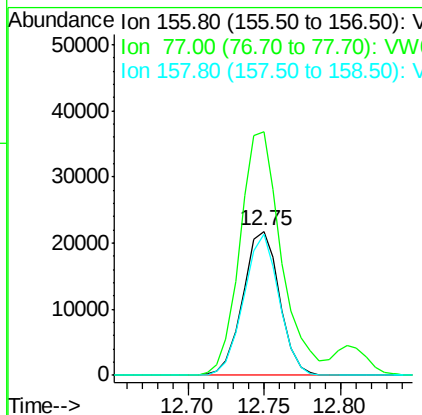
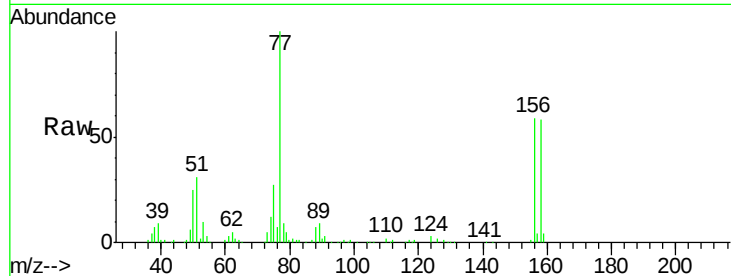
ClientSampled :

VW0520SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 156   | Resp: | 36121 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 191.0 | 92.4  | 277.2 |
| 158       | 95.1  | 48.3  | 144.8 |

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#78

n-propylbenzene

Concen: 19.370 ug/l

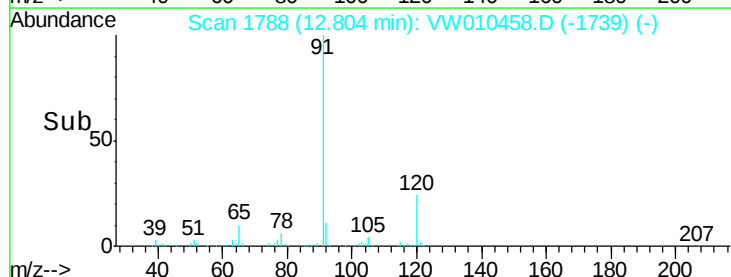
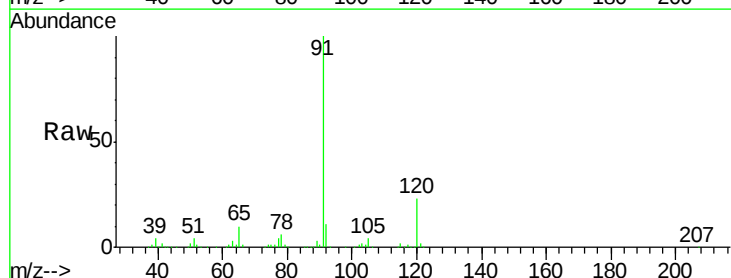
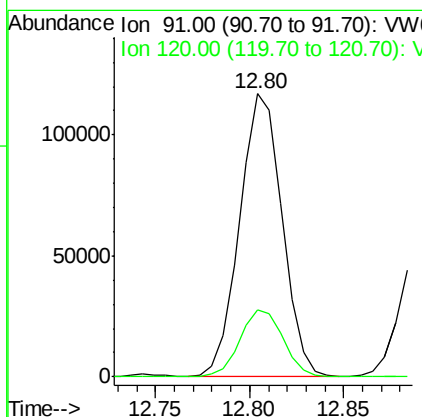
RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010458.D

Acq: 20 May 2019 20:33

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 182415 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 24.1  | 12.3  | 36.8   |





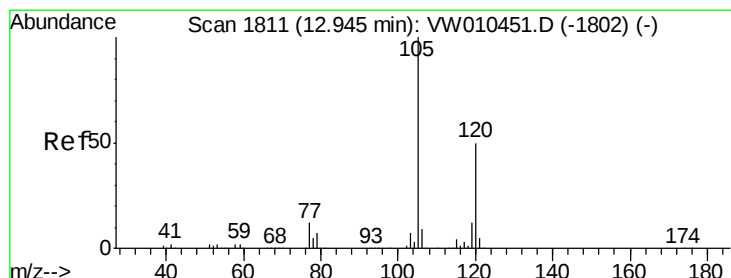
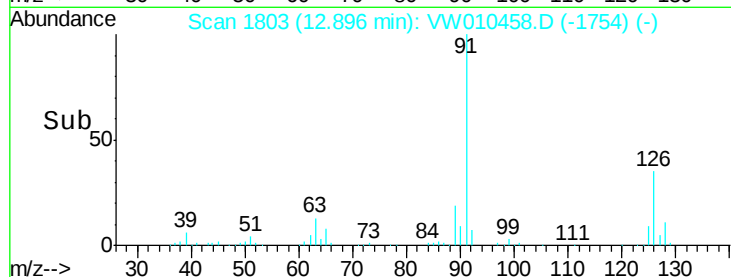
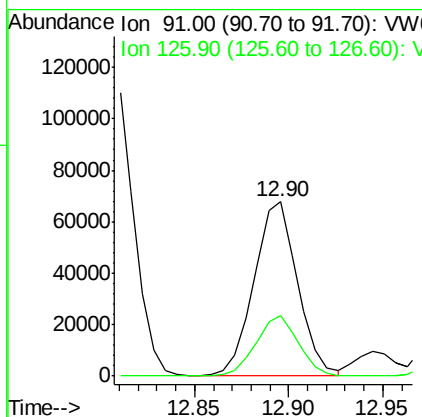
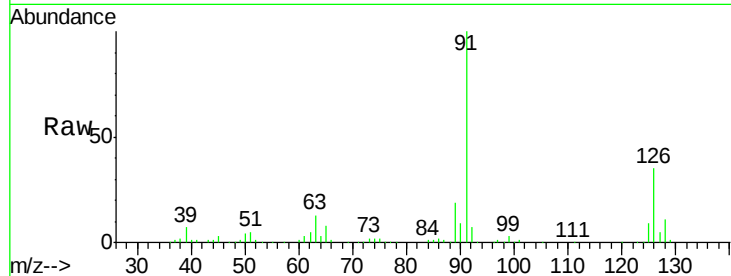
#79  
 2-Chlorotoluene  
 Concen: 19.784 ug/l  
 RT: 12.90 min Scan# 1803  
 Delta R.T. -0.00 min  
 Lab File: VW010458.D  
 Acq: 20 May 2019 20:33

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0520SBS01

Tot Ion: 91 Resp: 108046  
 Ion Ratio Lower Upper  
 91 100  
 126 33.9 17.4 52.3

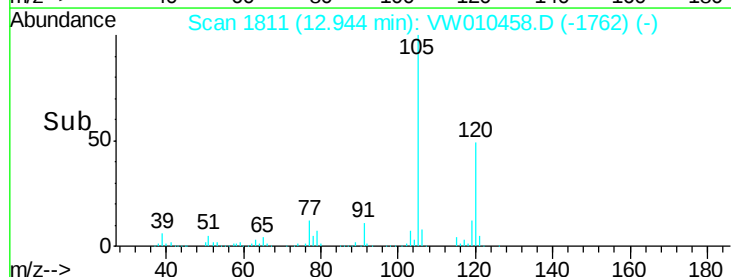
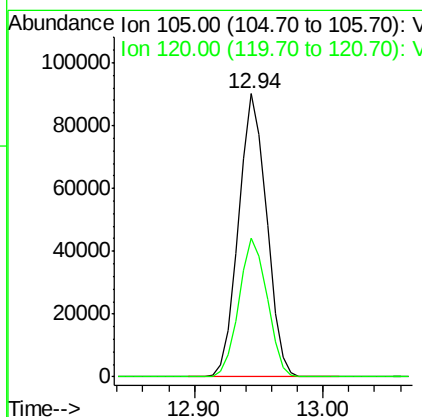
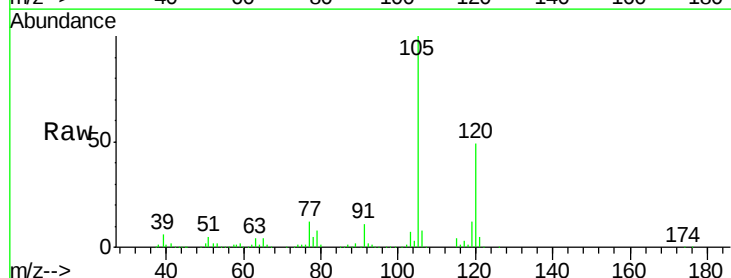
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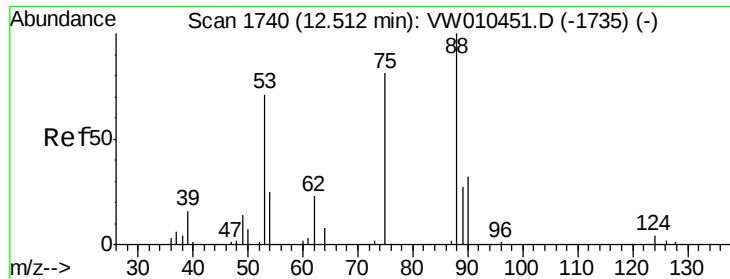
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#80  
 1,3,5-Trimethylbenzene  
 Concen: 19.873 ug/l  
 RT: 12.94 min Scan# 1811  
 Delta R.T. -0.00 min  
 Lab File: VW010458.D  
 Acq: 20 May 2019 20:33

Tgt Ion:105 Resp: 136014  
 Ion Ratio Lower Upper  
 105 100  
 120 49.3 25.2 75.6





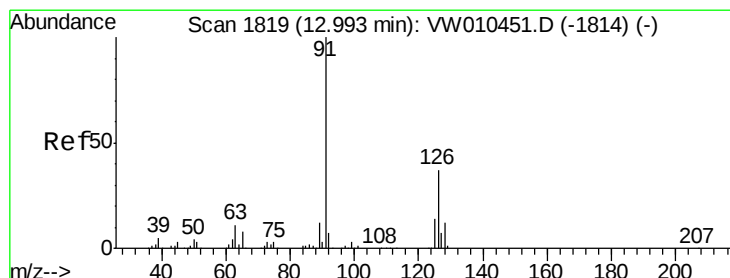
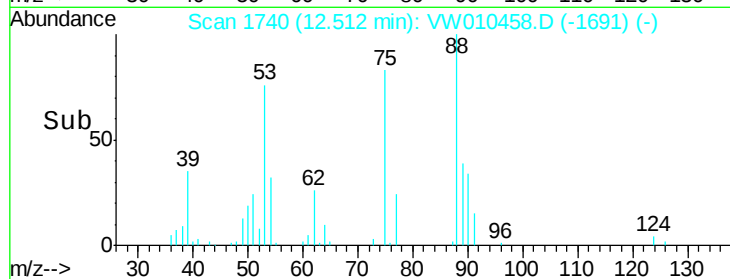
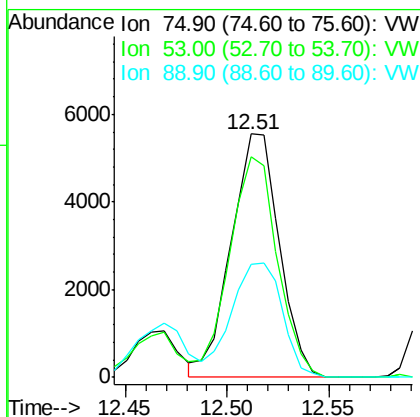
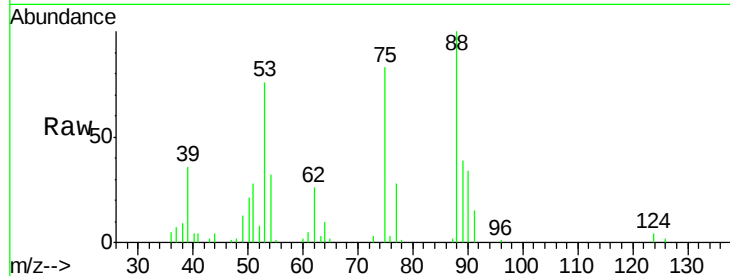
#81  
trans-1,4-Dichloro-2-butene  
Concen: 18.369 ug/l  
RT: 12.51 min Scan# 1740  
Delta R.T. -0.00 min  
Lab File: VW010458.D  
Acq: 20 May 2019 20:33

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0520SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 90.5  | 69.8  | 104.8 |
| 89      | 49.6  | 39.5  | 59.3  |

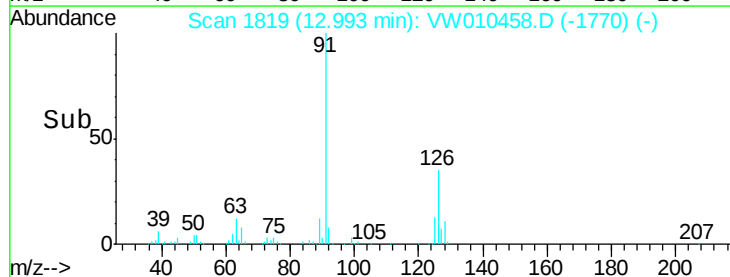
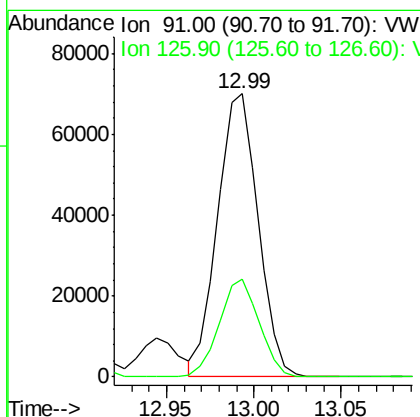
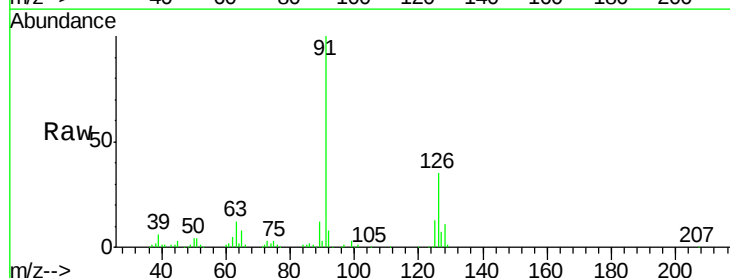
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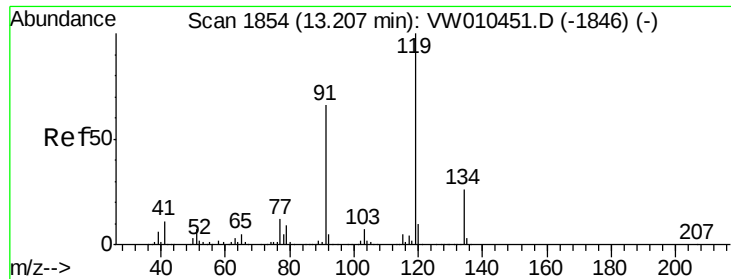
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#82  
4-Chlorotoluene  
Concen: 19.930 ug/l  
RT: 12.99 min Scan# 1819  
Delta R.T. -0.00 min  
Lab File: VW010458.D  
Acq: 20 May 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 34.2  | 17.5  | 52.6  |





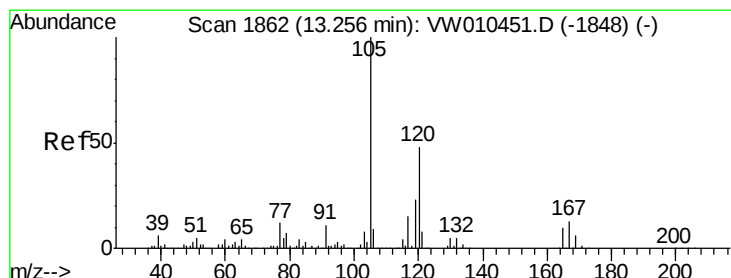
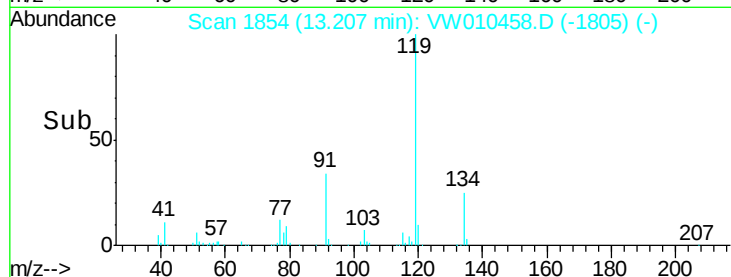
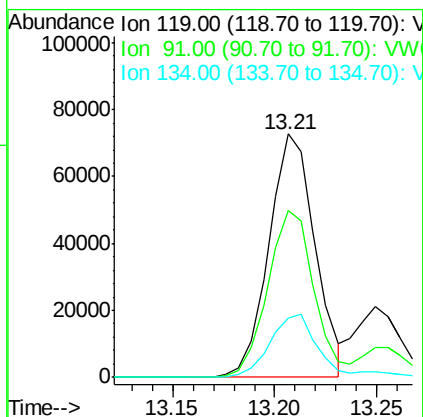
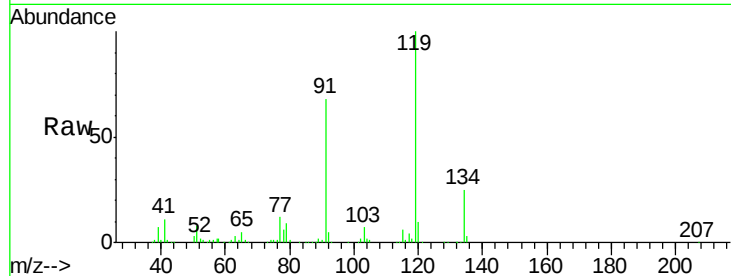
#83  
tert-Butylbenzene  
Concen: 19.159 ug/l  
RT: 13.21 min Scan# 1854  
Delta R.T. -0.00 min  
Lab File: VW010458.D  
Acq: 20 May 2019 20:33

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0520SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 114538 |       |       |
| 91      | 69.2  |        | 33.1  | 99.5  |
| 134     | 27.9  |        | 13.9  | 41.6  |

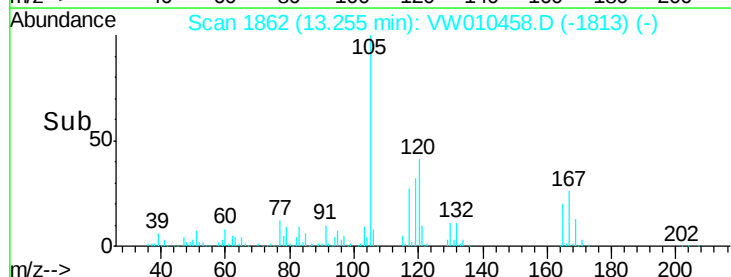
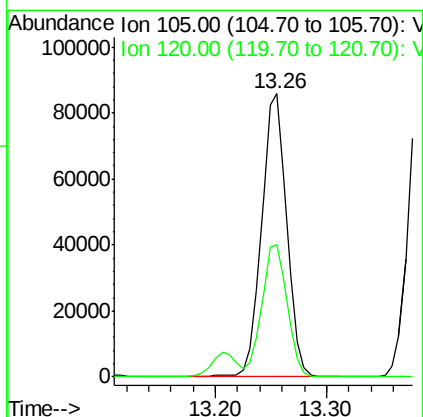
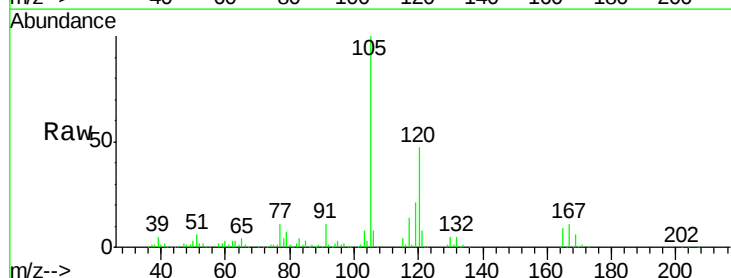
Manual Integrations  
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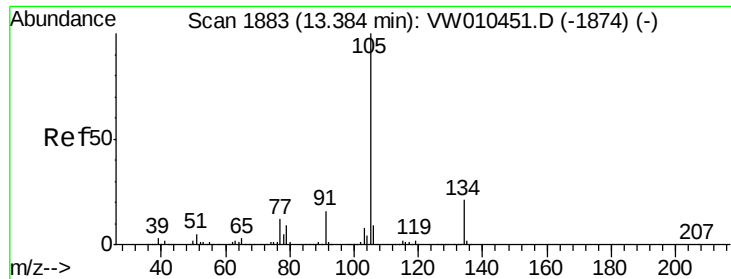
MMDadoda  
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#84  
1,2,4-Trimethylbenzene  
Concen: 19.878 ug/l  
RT: 13.26 min Scan# 1862  
Delta R.T. -0.00 min  
Lab File: VW010458.D  
Acq: 20 May 2019 20:33

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 135501 |       |       |
| 120     | 47.0  |        | 23.4  | 70.2  |





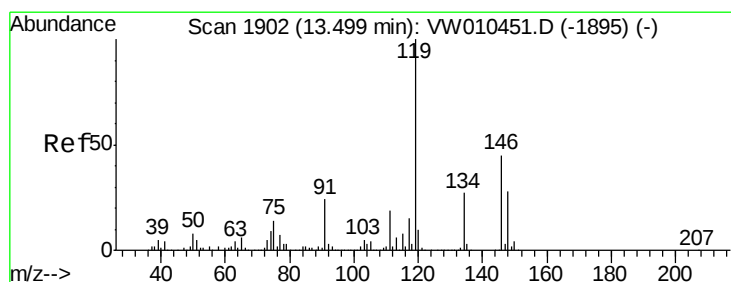
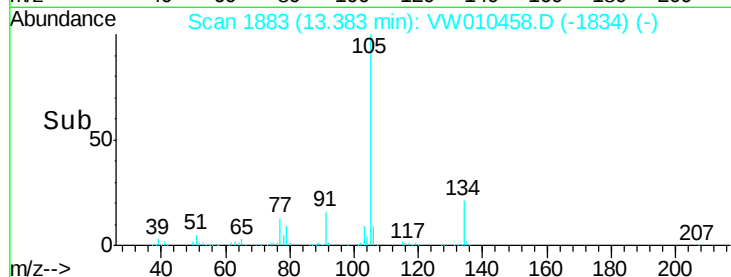
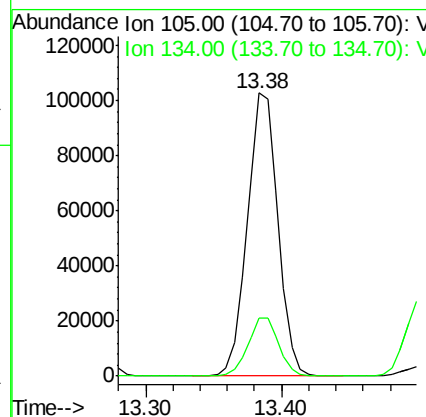
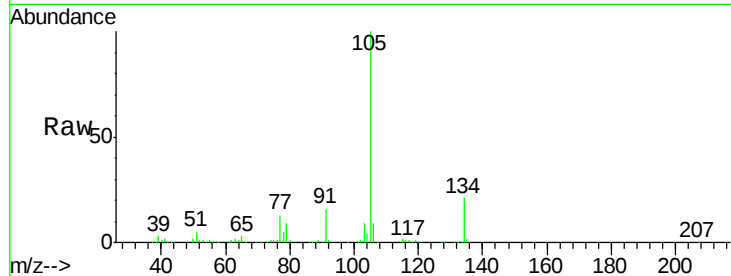
#85  
 sec-Butylbenzene  
 Concen: 19.241 ug/l  
 RT: 13.38 min Scan# 1883  
 Delta R.T. -0.00 min  
 Lab File: VW010458.D  
 Acq: 20 May 2019 20:33

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0520SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 20.7  | 10.5  | 31.6  |

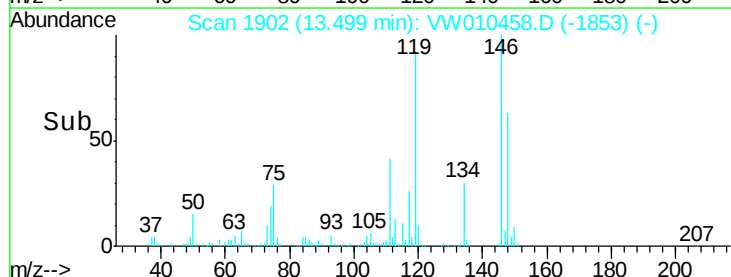
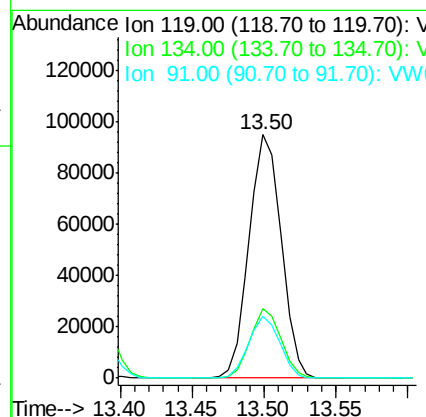
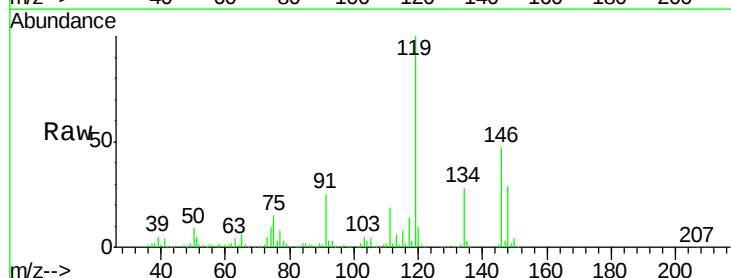
Manual Integrations  
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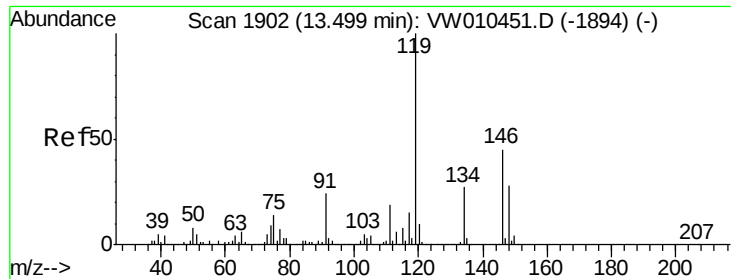
MMDadoda  
 5/21/2019 11:29:02 AM



#86  
 p-Isopropyltoluene  
 Concen: 19.332 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. -0.00 min  
 Lab File: VW010458.D  
 Acq: 20 May 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 27.2  | 13.6  | 40.7  |
| 91      | 24.5  | 11.9  | 35.7  |





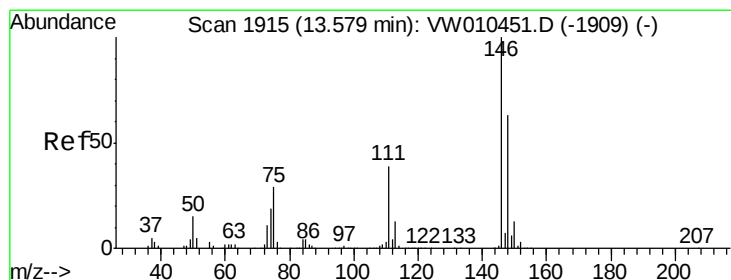
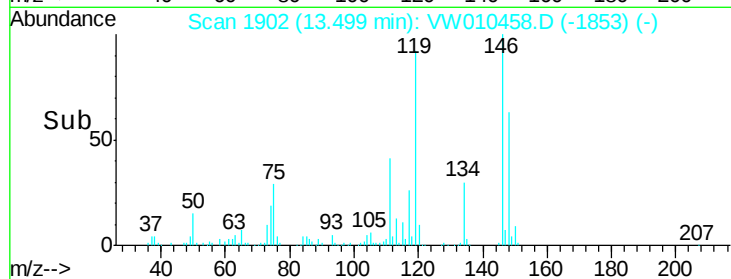
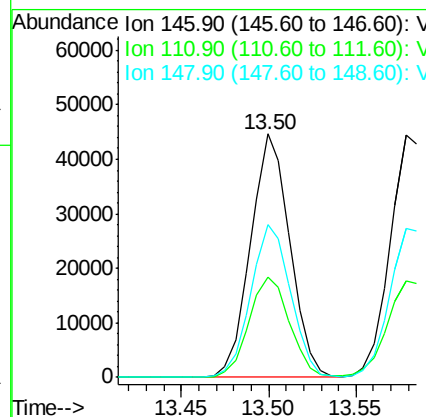
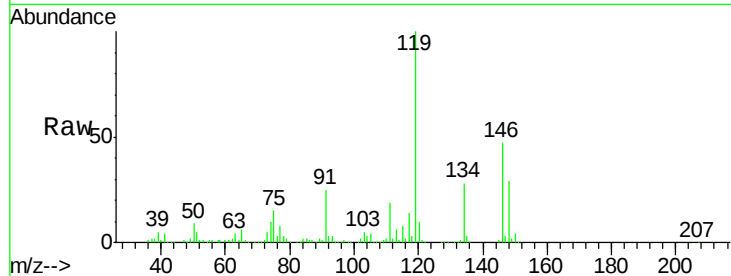
#87  
 1,3-Dichlorobenzene  
 Concen: 19.669 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. -0.00 min  
 Lab File: VW010458.D  
 Acq: 20 May 2019 20:33

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0520SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.4  | 20.3  | 60.9  |
| 148     | 63.4  | 31.6  | 94.8  |

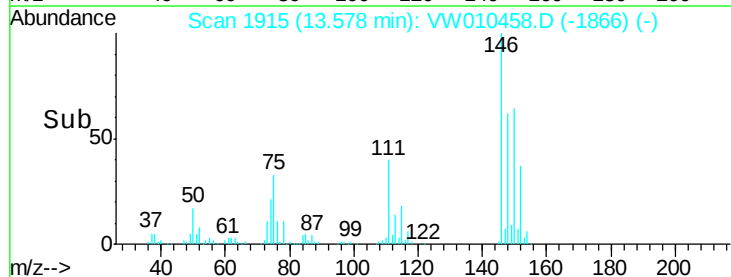
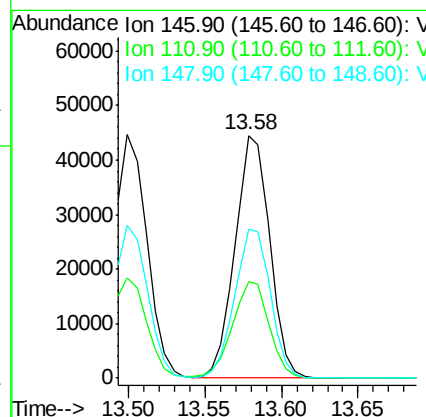
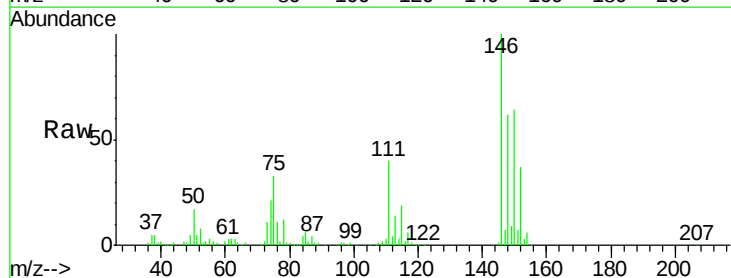
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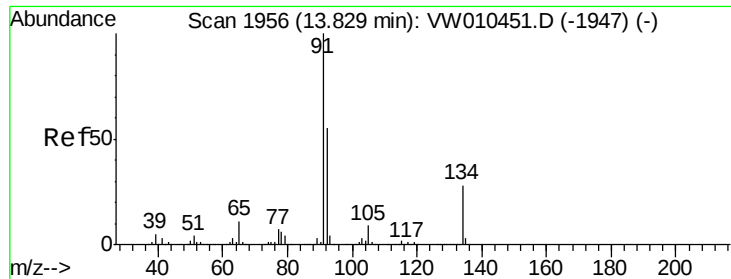
MMDadoda  
 5/21/2019 11:29:02 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 19.708 ug/l  
 RT: 13.58 min Scan# 1915  
 Delta R.T. -0.00 min  
 Lab File: VW010458.D  
 Acq: 20 May 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.0  | 19.9  | 59.6  |
| 148     | 63.1  | 31.6  | 94.8  |





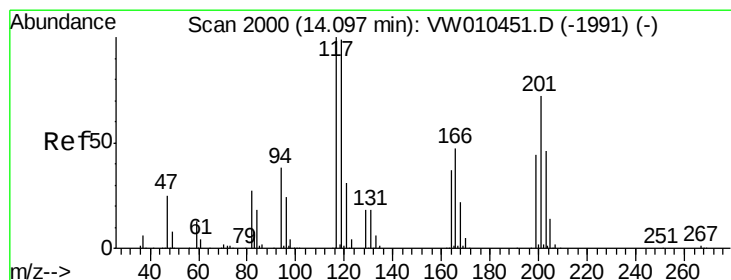
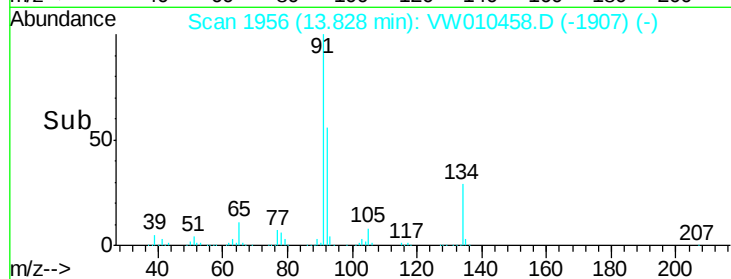
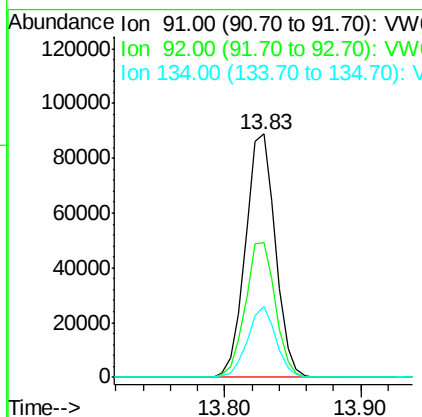
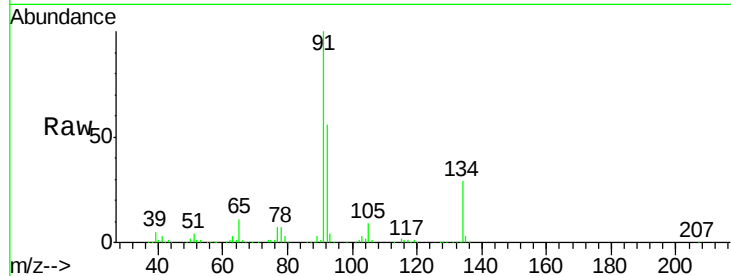
#89  
n-Butylbenzene  
Concen: 19.010 ug/l  
RT: 13.83 min Scan# 1956  
Delta R.T. -0.00 min  
Lab File: VW010458.D  
Acq: 20 May 2019 20:33

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0520SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 136926 |       |       |
| 92      | 55.6  | 27.7   | 83.1  |       |
| 134     | 27.5  | 13.9   | 41.6  |       |

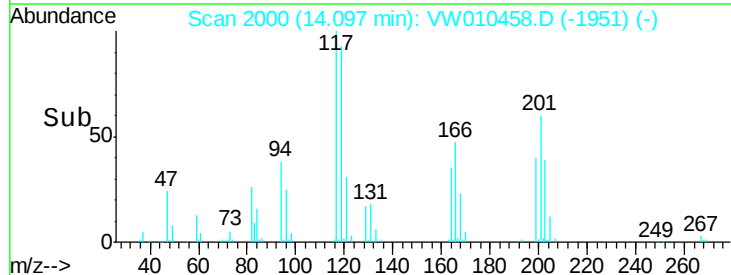
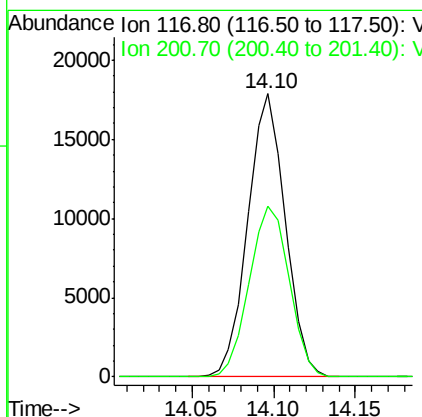
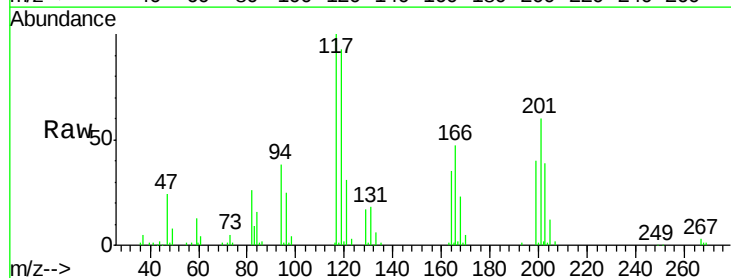
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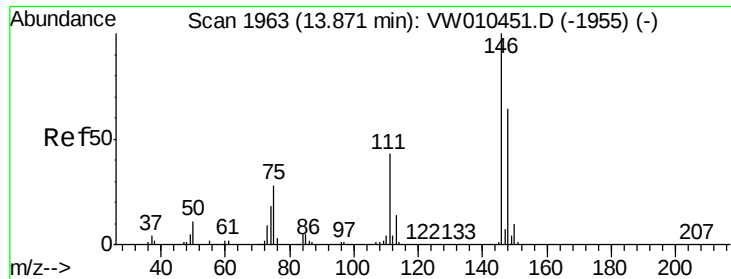
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#90  
Hexachloroethane  
Concen: 19.509 ug/l  
RT: 14.10 min Scan# 2000  
Delta R.T. -0.00 min  
Lab File: VW010458.D  
Acq: 20 May 2019 20:33

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 117     | 100   | 28596 |       |       |
| 201     | 64.2  | 34.6  | 103.8 |       |





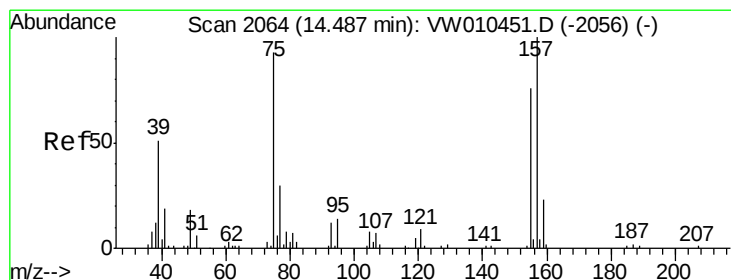
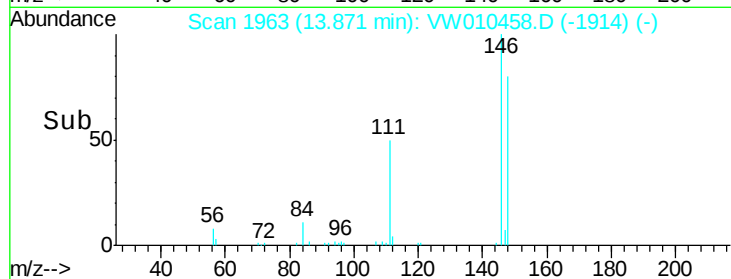
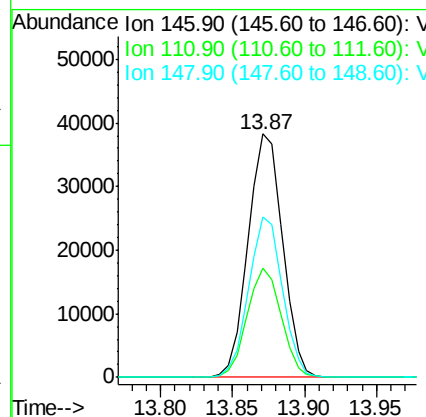
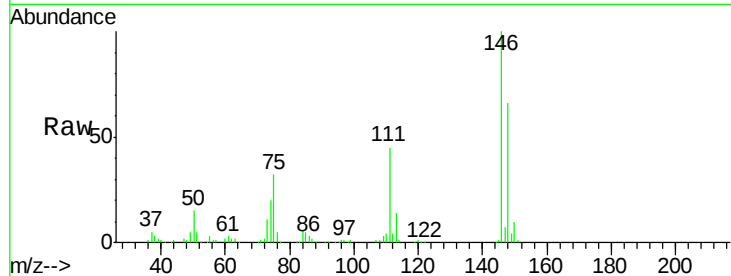
#91  
 1,2-Dichlorobenzene  
 Concen: 19.582 ug/l  
 RT: 13.87 min Scan# 1963  
 Delta R.T. -0.00 min  
 Lab File: VW010458.D  
 Acq: 20 May 2019 20:33

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0520SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 44.4  | 21.3  | 64.0  |
| 148     | 64.5  | 32.0  | 96.0  |

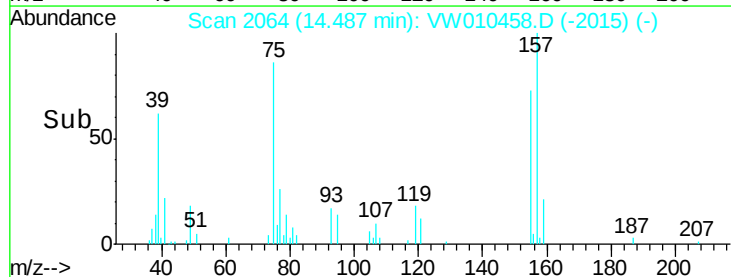
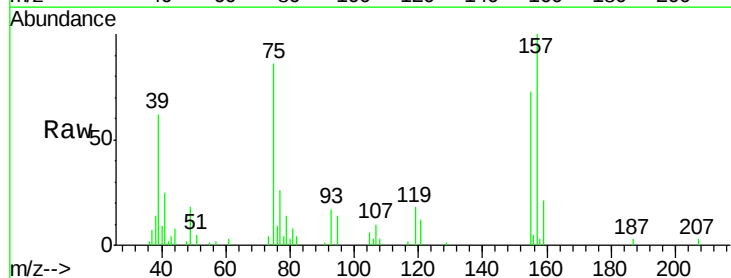
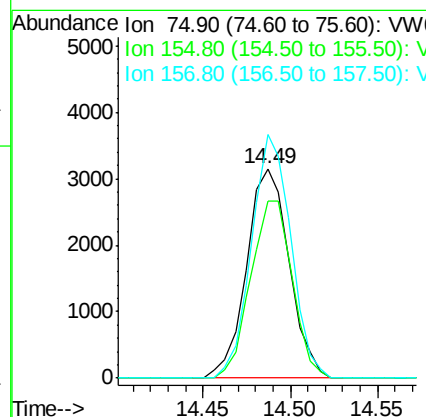
Manual Integrations  
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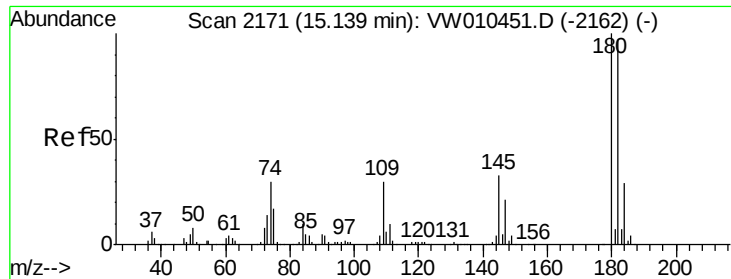
MMDadoda  
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 19.487 ug/l  
 RT: 14.49 min Scan# 2064  
 Delta R.T. -0.00 min  
 Lab File: VW010458.D  
 Acq: 20 May 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 82.6  | 43.0  | 129.0 |
| 157     | 107.4 | 55.7  | 167.1 |





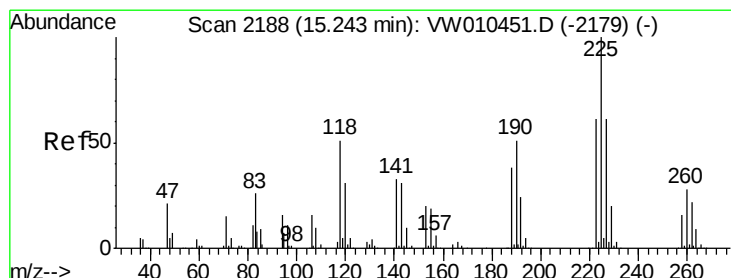
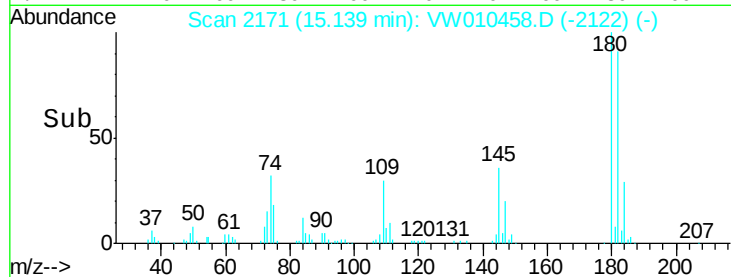
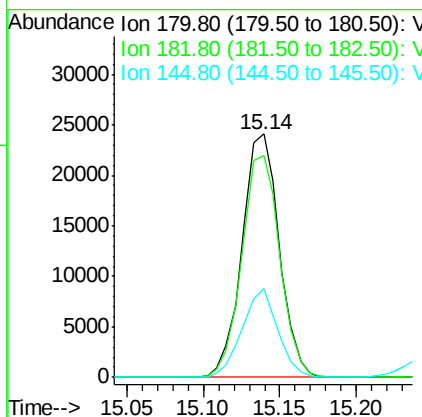
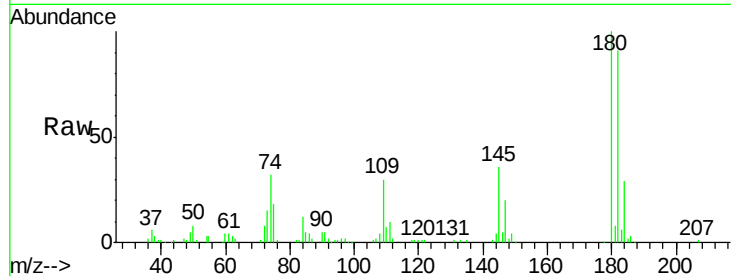
#93  
 1,2,4-Trichlorobenzene  
 Concen: 18.516 ug/l  
 RT: 15.14 min Scan# 2171  
 Delta R.T. -0.00 min  
 Lab File: VW010458.D  
 Acq: 20 May 2019 20:33

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0520SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 93.2  | 47.0  | 141.2 |
| 145     | 34.7  | 16.7  | 50.0  |

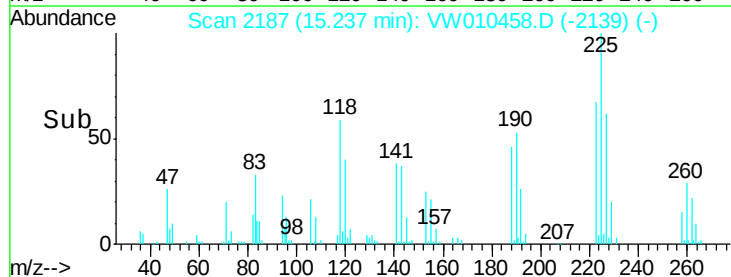
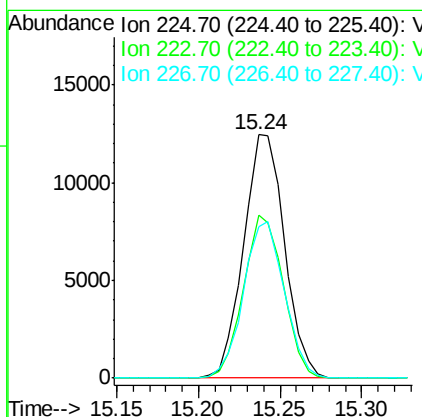
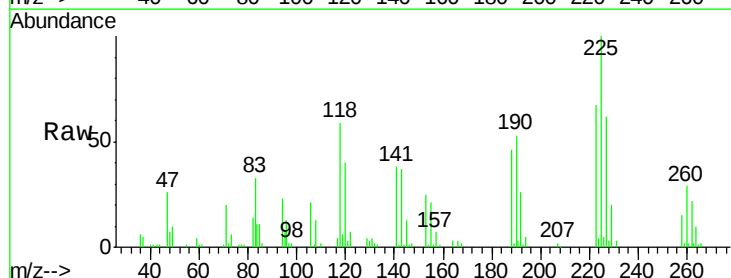
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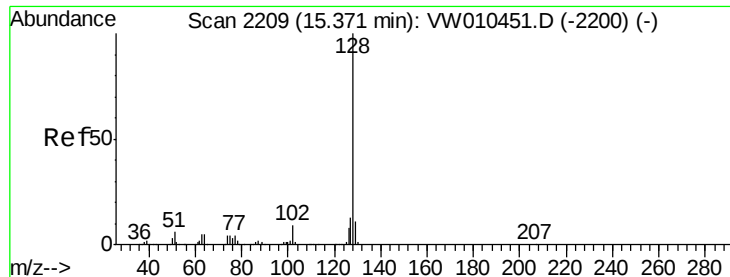
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#94  
 Hexachlorobutadiene  
 Concen: 18.516 ug/l  
 RT: 15.24 min Scan# 2187  
 Delta R.T. -0.01 min  
 Lab File: VW010458.D  
 Acq: 20 May 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 65.1  | 31.1  | 93.2  |
| 227     | 63.8  | 31.1  | 93.5  |





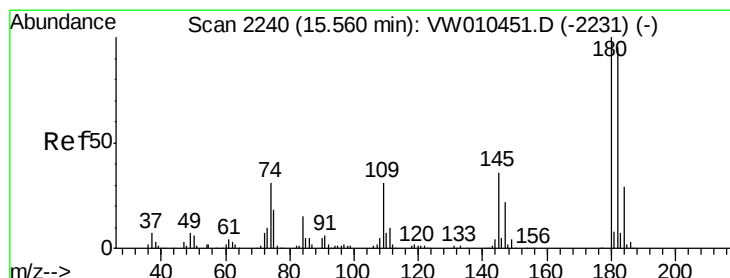
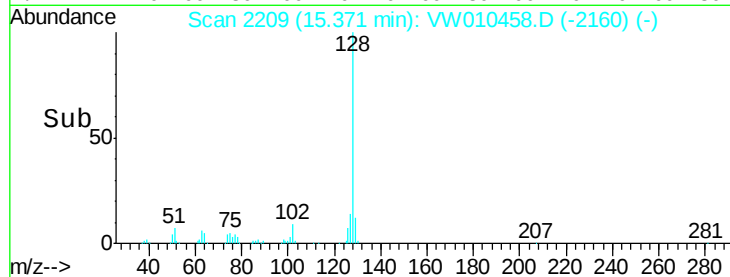
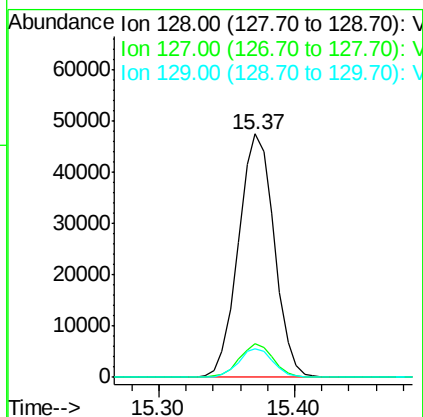
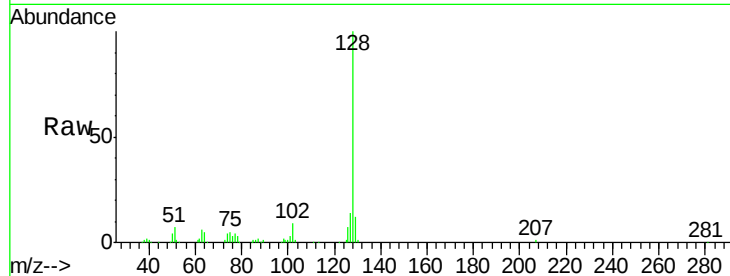
#95  
Naphthalene  
Concen: 18.886 ug/l  
RT: 15.37 min Scan# 2209  
Delta R.T. -0.00 min  
Lab File: VW010458.D  
Acq: 20 May 2019 20:33

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0520SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.2  | 10.6  | 15.8  |
| 129     | 11.3  | 8.9   | 13.3  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 18.810 ug/l  
RT: 15.56 min Scan# 2240  
Delta R.T. -0.00 min  
Lab File: VW010458.D  
Acq: 20 May 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.0  | 47.1  | 141.3 |
| 145     | 36.8  | 17.4  | 52.3  |

