

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081919\  
 Data File : VW011980.D  
 Acq On : 19 Aug 2019 10:22  
 Operator : SY/VA  
 Sample : VW0819SBS01  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0819SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 8/20/2019 9:56:31 AM

Quant Time: Aug 19 11:10:19 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W072719S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jul 27 00:23:30 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 248603   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 401949   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 346806   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 167949   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 146761   | 51.41 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.82% |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 123728   | 54.87 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 109.74% |      |
| 50) Toluene-d8            | 10.32  | 98  | 507374   | 54.95 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 109.90% |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 178596   | 54.26 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 108.52% |      |

## Target Compounds

|                               |      |     |        |        |        | Qvalue |
|-------------------------------|------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.01 | 85  | 28735  | 20.740 | ug/l   | 94     |
| 3) Chloromethane              | 2.21 | 50  | 48936  | 20.369 | ug/l   | 99     |
| 4) Vinyl Chloride             | 2.36 | 62  | 60718  | 20.992 | ug/l   | 98     |
| 5) Bromomethane               | 2.78 | 94  | 30424  | 19.003 | ug/l   | 99     |
| 6) Chloroethane               | 2.92 | 64  | 33398  | 20.214 | ug/l   | 99     |
| 7) Trichlorofluoromethane     | 3.25 | 101 | 28753  | 22.243 | ug/l   | 99     |
| 8) Diethyl Ether              | 3.68 | 74  | 27416  | 18.706 | ug/l   | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101 | 50954  | 20.779 | ug/l   | 100    |
| 10) Methyl Iodide             | 4.28 | 142 | 67978  | 19.617 | ug/l   | 99     |
| 11) Tert butyl alcohol        | 5.17 | 59  | 17194  | 68.682 | ug/l   | 98     |
| 12) 1,1-Dichloroethene        | 4.04 | 96  | 51356  | 19.836 | ug/l   | 94     |
| 13) Acrolein                  | 3.90 | 56  | 12698  | 61.993 | ug/l   | 97     |
| 14) Allyl chloride            | 4.67 | 41  | 105242 | 19.111 | ug/l   | 99     |
| 15) Acrylonitrile             | 5.37 | 53  | 67585  | 92.376 | ug/l   | 99     |
| 16) Acetone                   | 4.12 | 43  | 66382  | 73.103 | ug/l   | 97     |
| 17) Carbon Disulfide          | 4.39 | 76  | 154303 | 19.042 | ug/l   | 100    |
| 18) Methyl Acetate            | 4.67 | 43  | 37100  | 18.187 | ug/l   | 100    |
| 19) Methyl tert-butyl Ether   | 5.42 | 73  | 79965  | 19.463 | ug/l   | 96     |
| 20) Methylene Chloride        | 4.92 | 84  | 57675  | 18.416 | ug/l   | 95     |
| 21) trans-1,2-Dichloroethene  | 5.42 | 96  | 53767  | 19.262 | ug/l   | 99     |
| 22) Diisopropyl ether         | 6.31 | 45  | 197348 | 19.008 | ug/l   | 98     |
| 23) Vinyl Acetate             | 6.26 | 43  | 604389 | 92.645 | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 6.21 | 63  | 107185 | 19.277 | ug/l   | 99     |
| 25) 2-Butanone                | 7.17 | 43  | 97425  | 81.992 | ug/l   | 96     |
| 26) 2,2-Dichloropropane       | 7.17 | 77  | 62402  | 18.248 | ug/l   | 98     |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96  | 59160  | 19.257 | ug/l   | 97     |
| 28) Bromochloromethane        | 7.51 | 49  | 51604  | 20.909 | ug/l   | 96     |
| 29) Tetrahydrofuran           | 7.53 | 42  | 60898  | 89.662 | ug/l   | 98     |
| 30) Chloroform                | 7.68 | 83  | 97902  | 19.085 | ug/l   | 100    |
| 31) Cyclohexane               | 7.95 | 56  | 105503 | 19.766 | ug/l # | 95     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97  | 78720  | 20.150 | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 8.09 | 75  | 82931  | 19.842 | ug/l   | 98     |
| 37) Ethyl Acetate             | 7.25 | 43  | 43263  | 17.992 | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 8.07 | 117 | 71888  | 20.092 | ug/l   | 97     |

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 ALS Vial : 5 Sample Multiplier: 1

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 VW0819SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 8/20/2019 9:56:31 AM

Quant Time: Aug 19 11:10:19 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W072719S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jul 27 00:23:30 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 94083    | 20.443  | ug/l   | 98       |
| 40) Benzene                    | 8.32  | 78   | 226699   | 19.364  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.48  | 41   | 25747    | 17.912  | ug/l   | 97       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 68970    | 18.817  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.42  | 43   | 81270    | 18.378  | ug/l   | 100      |
| 44) Trichloroethene            | 9.09  | 130  | 56504    | 20.081  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 61693    | 19.695  | ug/l   | 97       |
| 46) Dibromomethane             | 9.46  | 93   | 27504    | 19.238  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.65  | 83   | 70995    | 18.931  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.43  | 41   | 39129    | 18.420  | ug/l   | 97       |
| 49) 1,4-Dioxane                | 9.45  | 88   | 7922     | 382.684 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 206619   | 89.826  | ug/l   | 99       |
| 52) Toluene                    | 10.39 | 92   | 139485   | 19.729  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.60 | 75   | 73491    | 18.759  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 87418    | 18.767  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 38471    | 18.965  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 55453    | 18.681  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 73331    | 19.108  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.92  | 63   | 143154   | 106.216 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.97 | 43   | 145343   | 89.491  | ug/l   | 98       |
| 60) Dibromochloromethane       | 11.13 | 129  | 42980    | 19.088  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 35669    | 18.581  | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.86 | 164  | 46109    | 20.420  | ug/l   | 97       |
| 65) Chlorobenzene              | 11.66 | 112  | 137663   | 19.744  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 48424    | 19.939  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.73 | 91   | 268099   | 20.189  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.84 | 106  | 194017   | 40.175  | ug/l   | 100      |
| 69) o-Xylene                   | 12.16 | 106  | 90857    | 20.246  | ug/l   | 100      |
| 70) Styrene                    | 12.18 | 104  | 155856   | 20.087  | ug/l   | 99       |
| 71) Bromoform                  | 12.35 | 173  | 23879    | 19.284  | ug/l # | 97       |
| 73) Isopropylbenzene           | 12.46 | 105  | 255061   | 20.357  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.27 | 43   | 75029    | 19.127  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 46006    | 19.521  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 31936m   | 17.971  | ug/l   |          |
| 77) Bromobenzene               | 12.74 | 156  | 55507    | 20.043  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.80 | 91   | 312288   | 20.480  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.89 | 91   | 174562   | 19.871  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 214663   | 20.439  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.51 | 75   | 15156    | 19.655  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 183159   | 19.872  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.21 | 119  | 183289   | 20.869  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.25 | 105  | 216971   | 20.508  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.38 | 105  | 263724   | 21.044  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.50 | 119  | 234897   | 20.658  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.50 | 146  | 108301   | 19.944  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 106730   | 19.759  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.82 | 91   | 232031   | 20.448  | ug/l   | 99       |
| 90) Hexachloroethane           | 14.09 | 117  | 41055    | 20.419  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 94637    | 19.705  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 7492     | 18.642  | ug/l   | 99       |

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Acq On : 19 Aug 2019 10:22  
Operator : SY/VA  
Sample : VW0819SBSD01  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0819SBSD01

Manual Integrations  
APPROVED

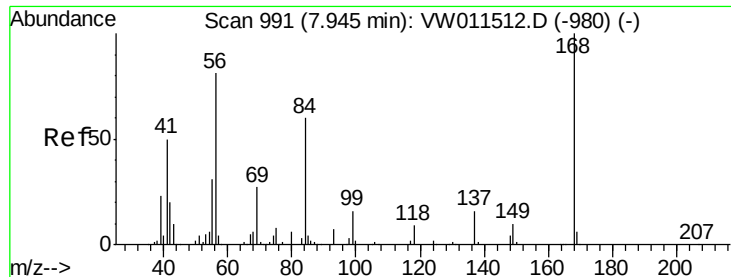
MMDadoda  
8/20/2019 9:56:31 AM

Quant Time: Aug 19 11:10:19 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W072719S.M  
Quant Title : SW846 8260  
QLast Update : Sat Jul 27 00:23:30 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.13 | 180  | 66370    | 19.608 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 44315    | 20.994 | ug/l  | 99       |
| 95) Naphthalene            | 15.36 | 128  | 112884   | 18.388 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.55 | 180  | 56579    | 19.070 | 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. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

Instrument :

MSVOA\_W

ClientSampleId :

VW0819SBSD01

Tot Ion:168 Resp: 248603

Ion Ratio Lower Upper

168 100

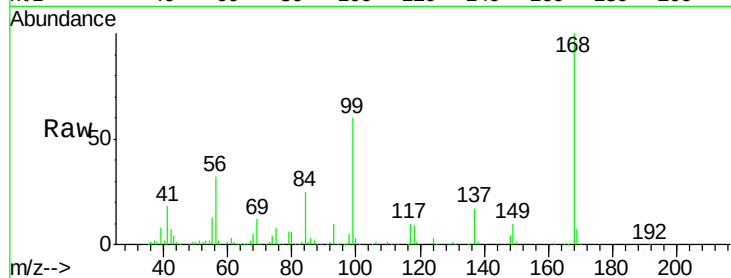
99 59.7 48.2 72.4

Manual Integrations

APPROVED

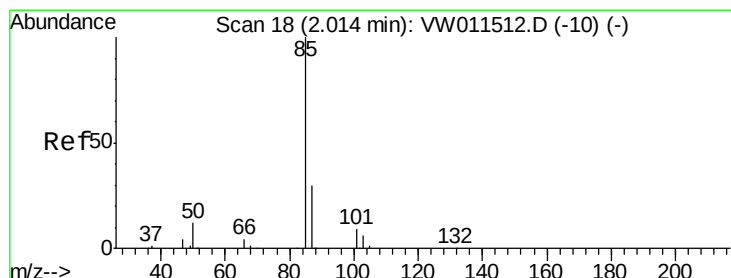
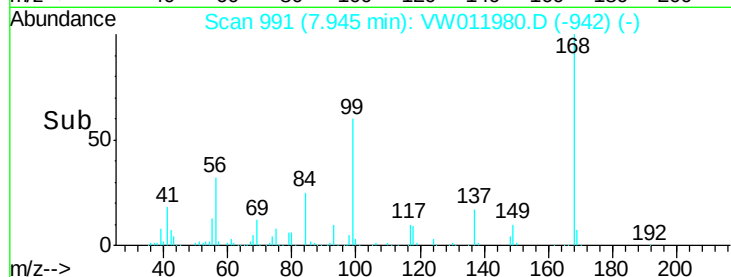
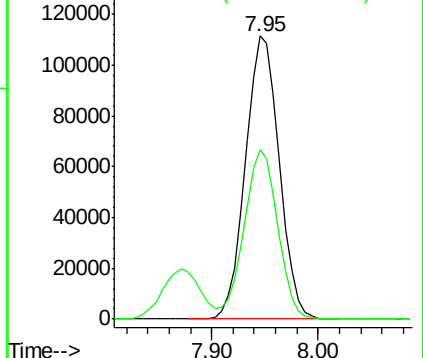
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8/20/2019 9:56:31 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 20.740 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011980.D

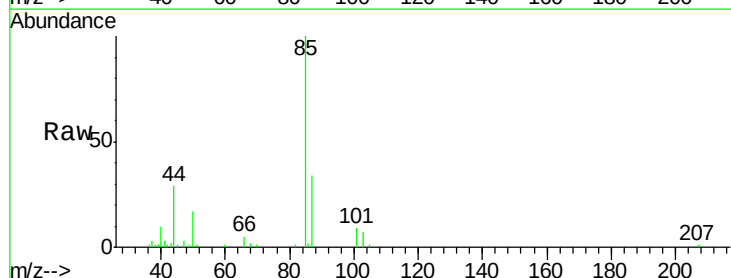
Acq: 19 Aug 2019 10:22

Tgt Ion: 85 Resp: 28735

Ion Ratio Lower Upper

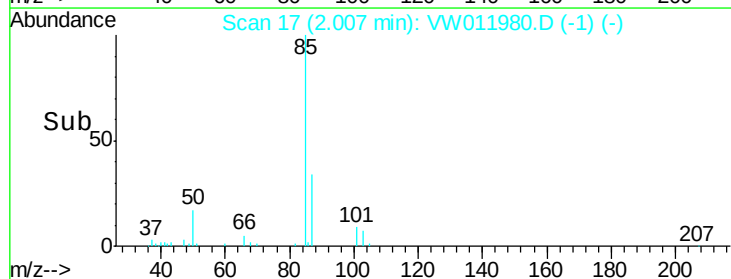
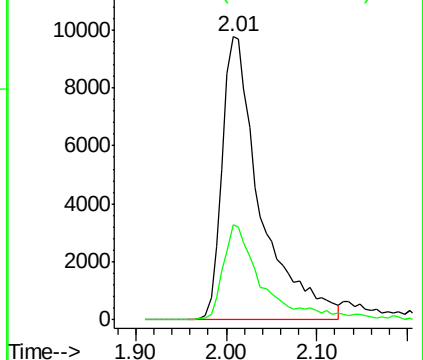
85 100

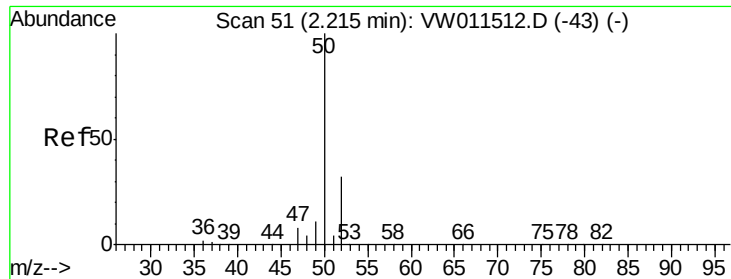
87 33.7 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 20.369 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

Instrument :

MSVOA\_W

ClientSampleId :

VW0819SBSD01

Tot Ion: 50 Resp: 48936

Ion Ratio Lower Upper

50 100

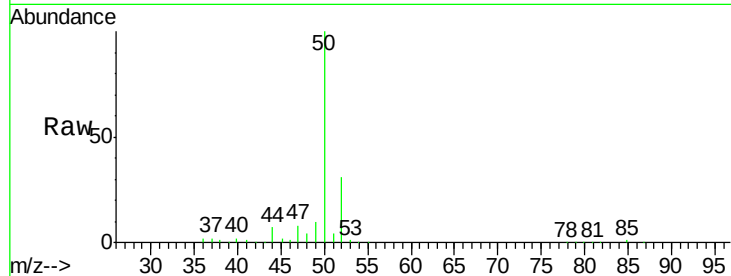
52 31.0 25.4 38.2

Manual Integrations

APPROVED

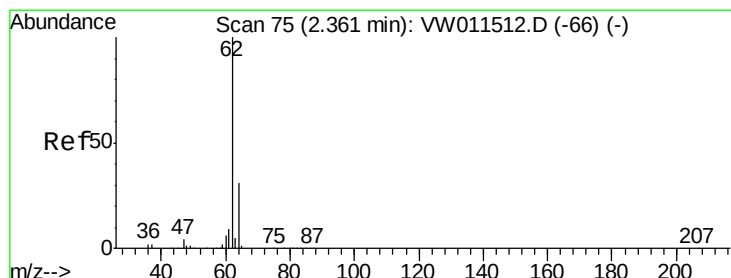
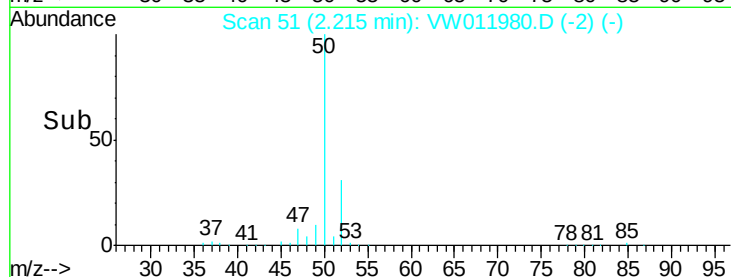
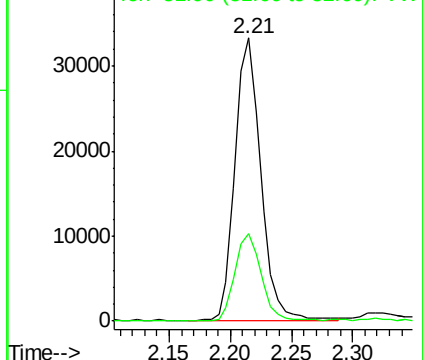
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8/20/2019 9:56:31 AM



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 20.992 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011980.D

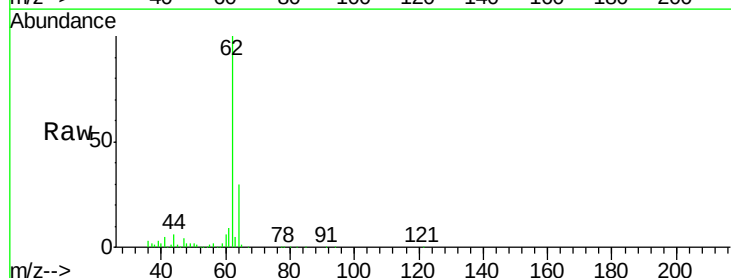
Acq: 19 Aug 2019 10:22

Tgt Ion: 62 Resp: 60718

Ion Ratio Lower Upper

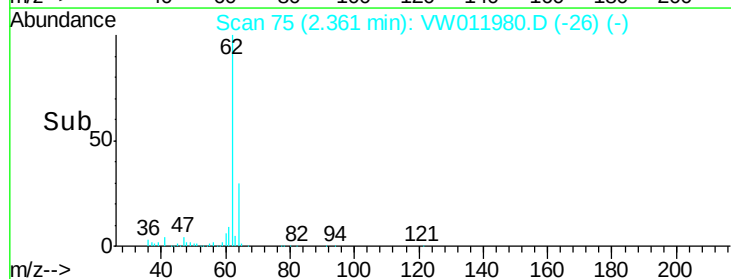
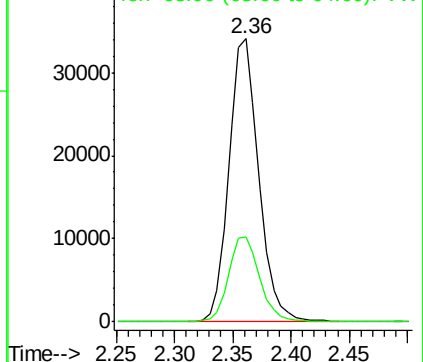
62 100

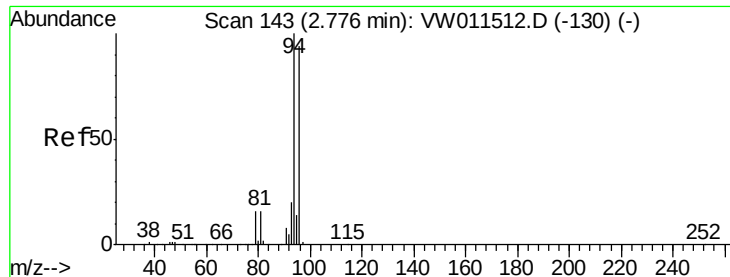
64 30.1 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 19.003 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

Instrument :

MSVOA\_W

ClientSampleId :

VW0819SBS01

Tot Ion: 94 Resp: 30424

Ion Ratio Lower Upper

94 100

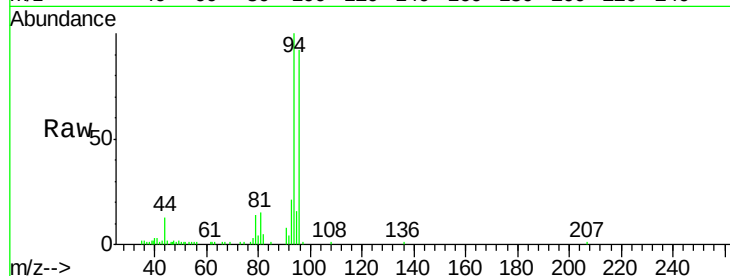
96 92.7 75.0 112.6

Manual Integrations

APPROVED

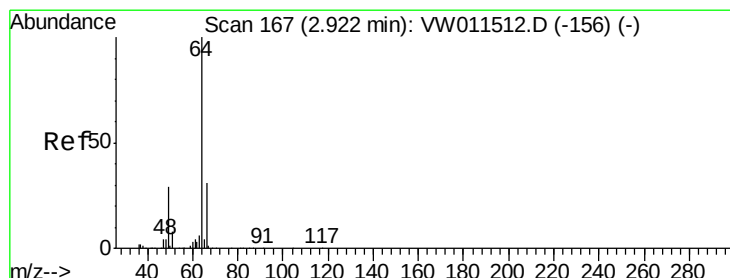
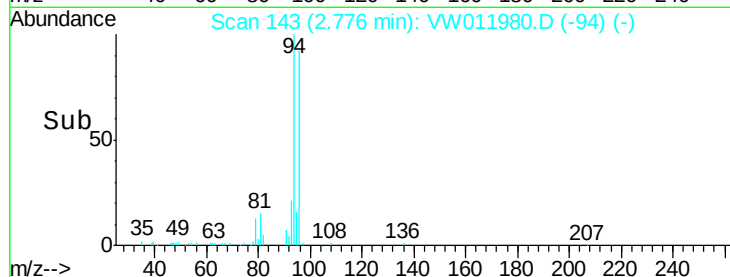
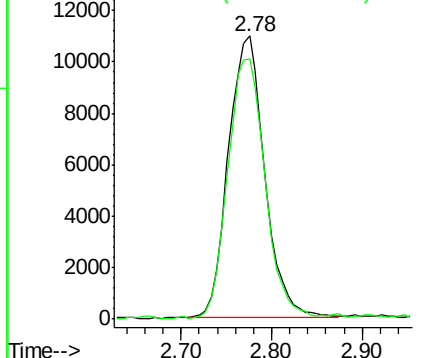
MMDadoda

8/20/2019 9:56:31 AM



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 20.214 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW011980.D

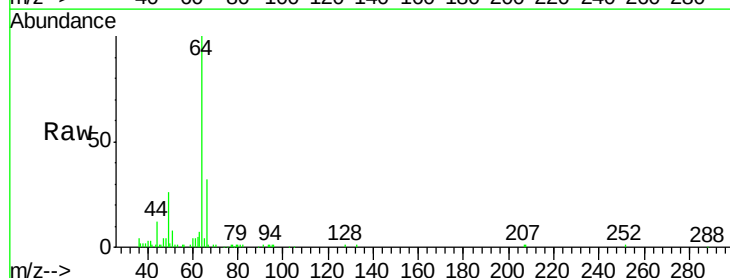
Acq: 19 Aug 2019 10:22

Tgt Ion: 64 Resp: 33398

Ion Ratio Lower Upper

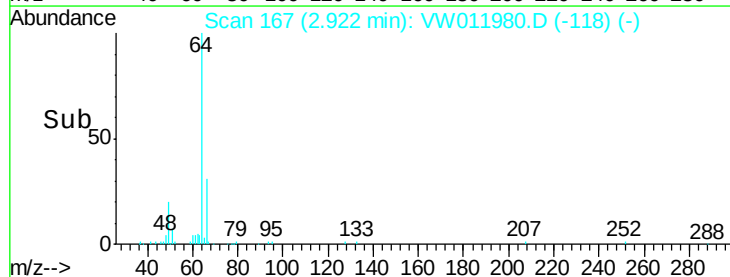
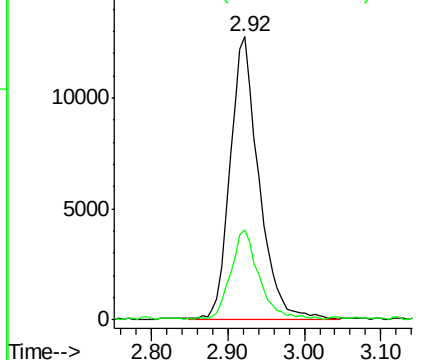
64 100

66 31.4 24.6 36.8

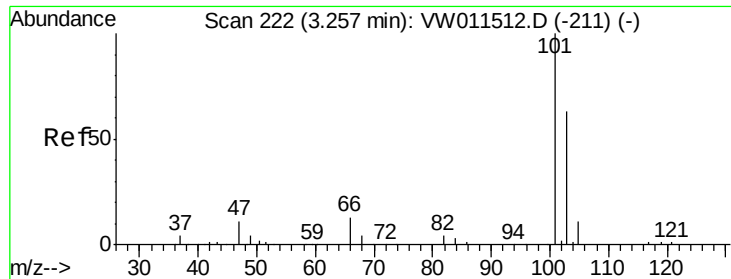


Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW







#7

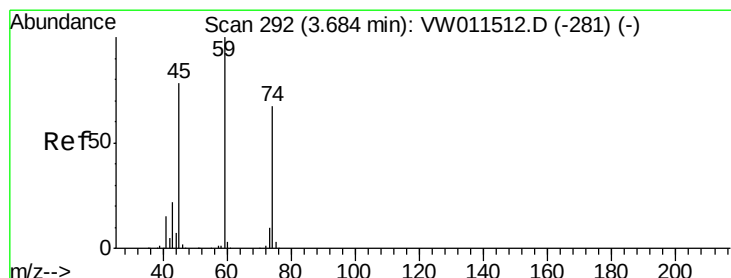
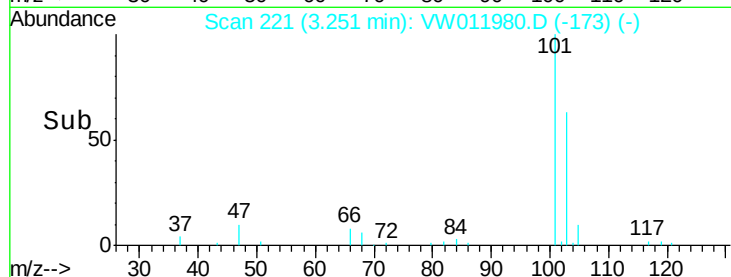
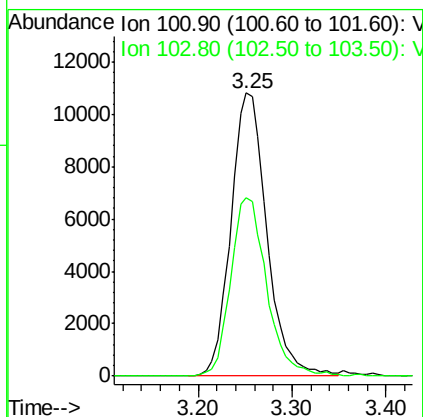
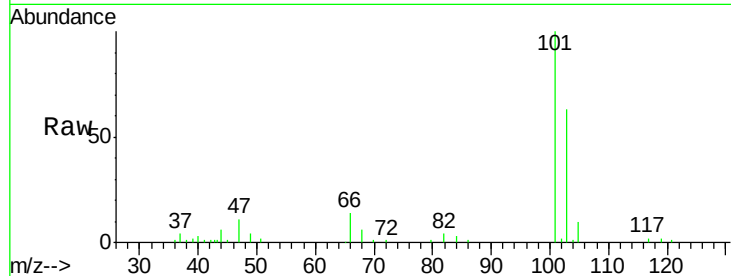
Trichlorofluoromethane  
Concen: 22.243 ug/l  
RT: 3.25 min Scan# 221  
Delta R.T. -0.01 min  
Lab File: VW011980.D  
Acq: 19 Aug 2019 10:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0819SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 63.2  | 50.2  | 75.4  |

Manual Integrations  
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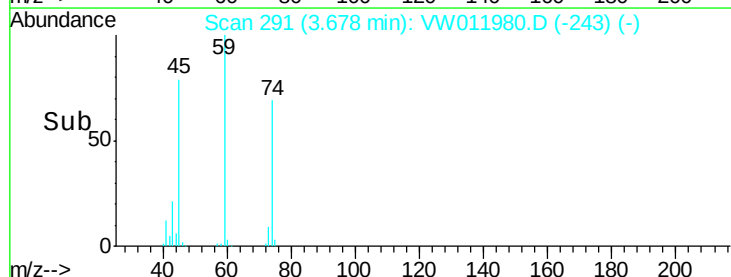
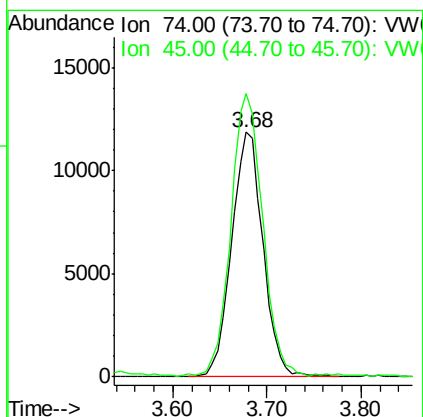
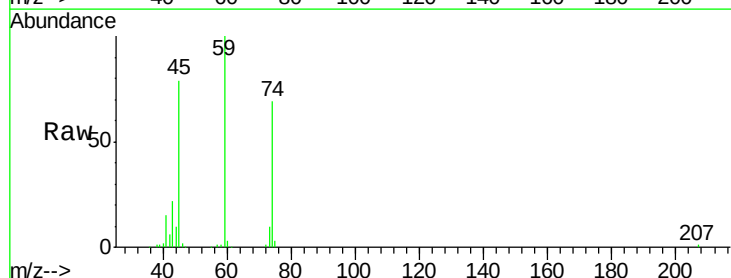
MMDadoda  
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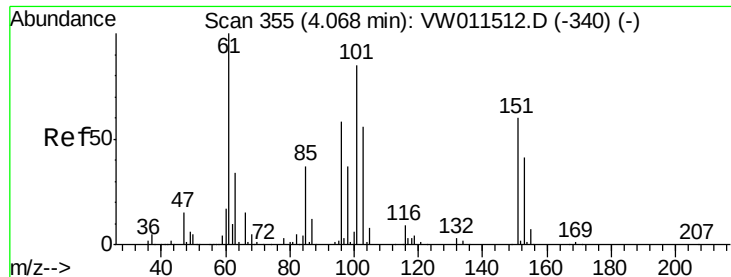
#8

Diethyl Ether  
Concen: 18.706 ug/l  
RT: 3.68 min Scan# 291  
Delta R.T. -0.01 min  
Lab File: VW011980.D  
Acq: 19 Aug 2019 10:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 118.2 | 59.6  | 178.8 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.779 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

Instrument :

MSVOA\_W

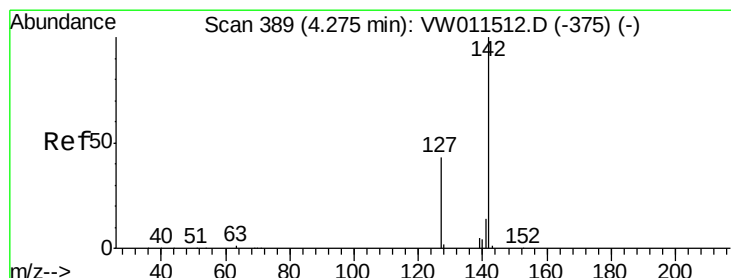
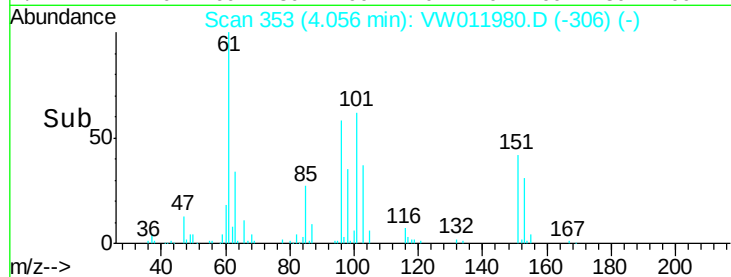
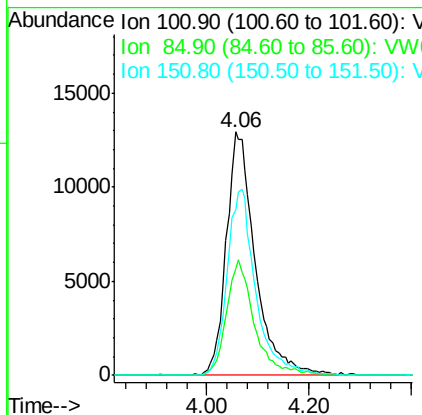
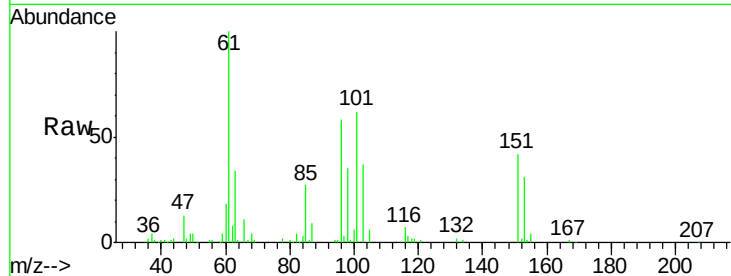
ClientSampleId :

VW0819SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 50954 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 45.3  | 36.6  | 54.8  |
| 151       | 75.3  | 60.2  | 90.2  |

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#10

Methyl Iodide

Concen: 19.617 ug/l

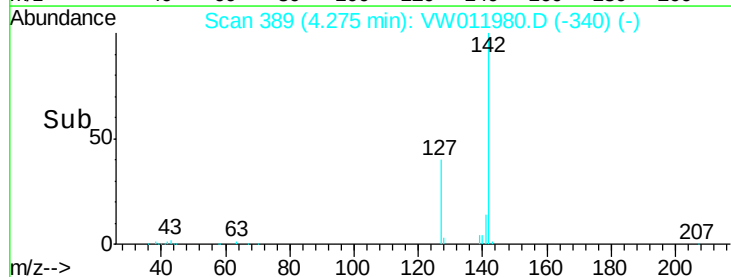
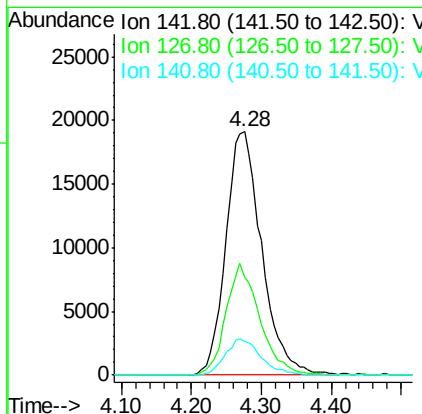
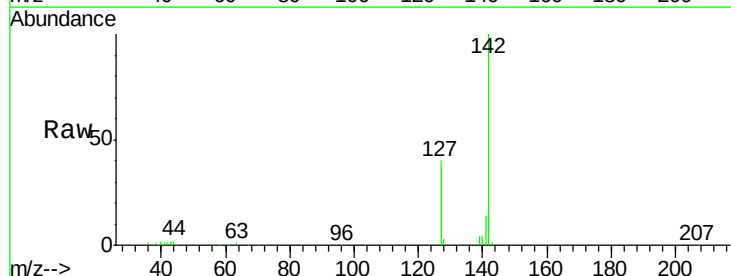
RT: 4.28 min Scan# 389

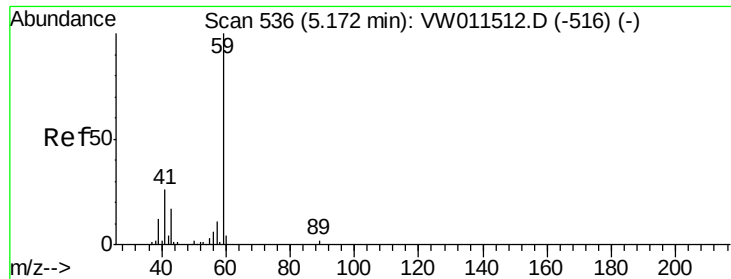
Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 67978 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 43.0  | 35.0  | 52.6  |
| 141       | 14.8  | 11.9  | 17.9  |





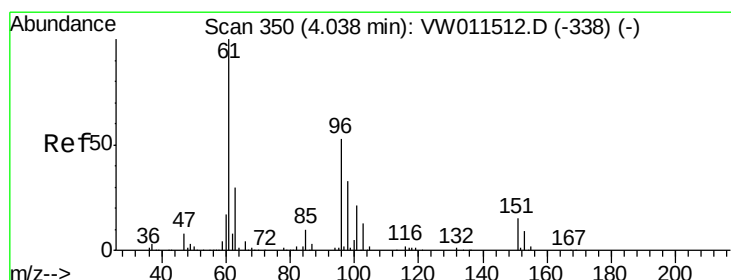
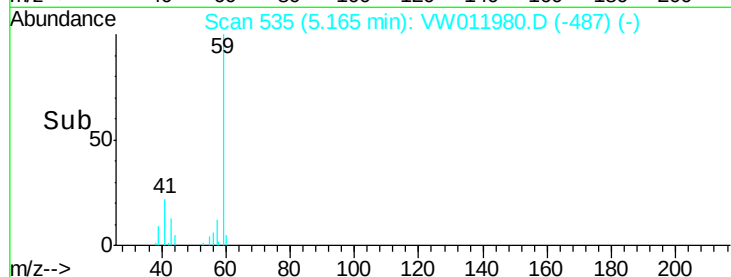
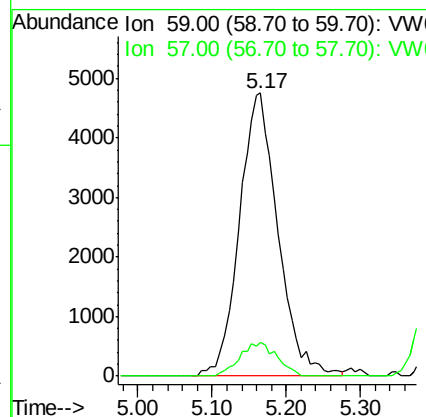
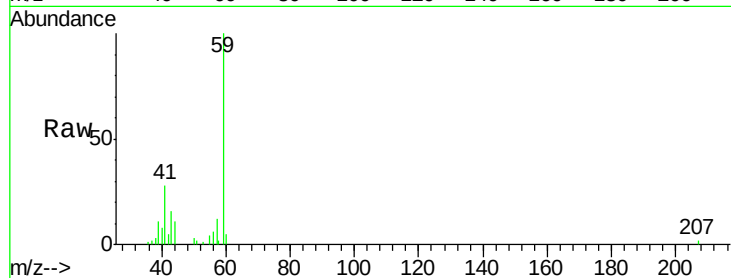
#11  
Tert butyl alcohol  
Concen: 68.682 ug/l  
RT: 5.17 min Scan# 535  
Delta R.T. -0.01 min  
Lab File: VW011980.D  
Acq: 19 Aug 2019 10:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0819SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 11.5  | 8.5   | 12.7  |

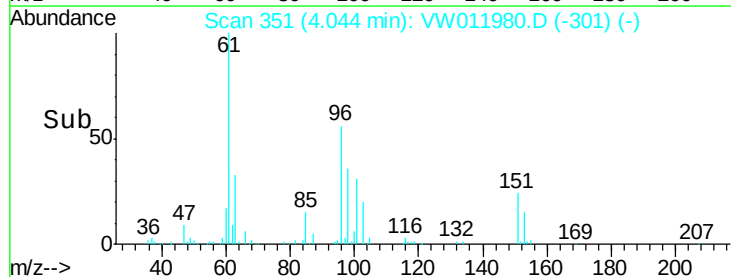
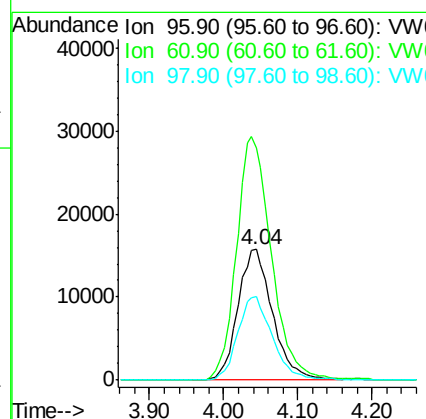
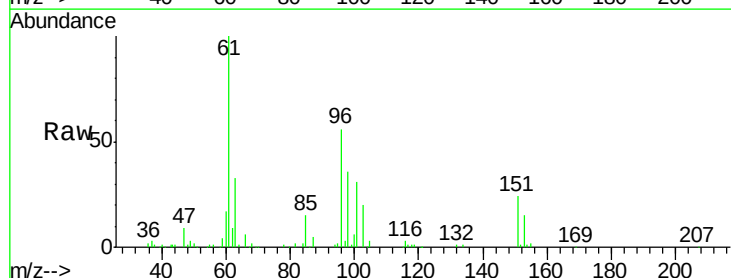
Manual Integrations  
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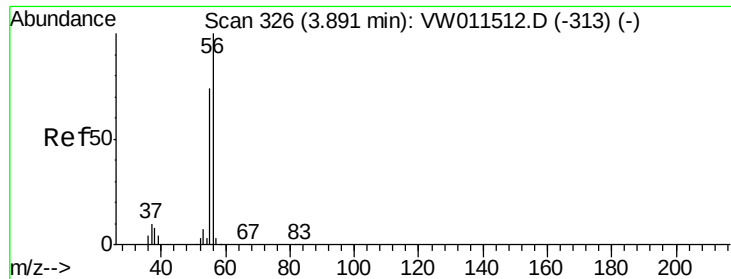
MMDadoda  
8/20/2019 9:56:31 AM



#12  
1,1-Dichloroethene  
Concen: 19.836 ug/l  
RT: 4.04 min Scan# 351  
Delta R.T. 0.01 min  
Lab File: VW011980.D  
Acq: 19 Aug 2019 10:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 178.4 | 149.9 | 224.9 |
| 98      | 64.1  | 49.1  | 73.7  |





#13

Acrolein

Concen: 61.993 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

Instrument :

MSVOA\_W

ClientSampleId :

VW0819SBS01

Tot Ion: 56 Resp: 12698

Ion Ratio Lower Upper

56 100

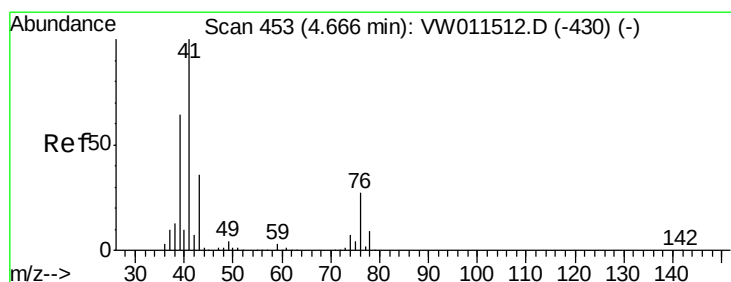
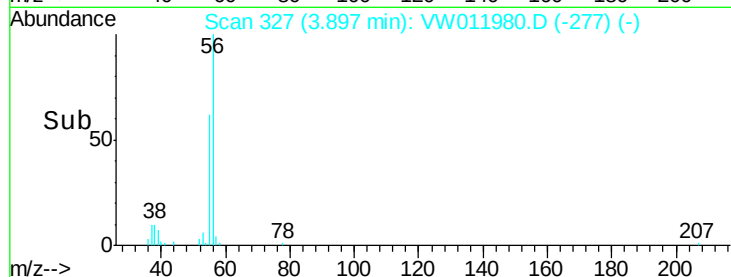
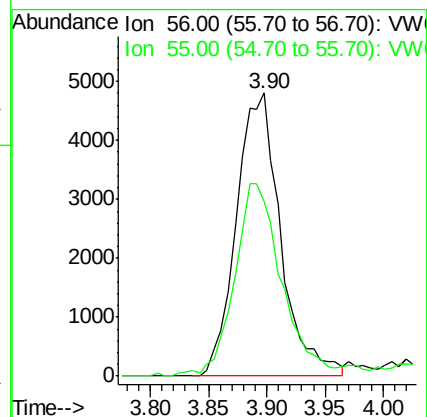
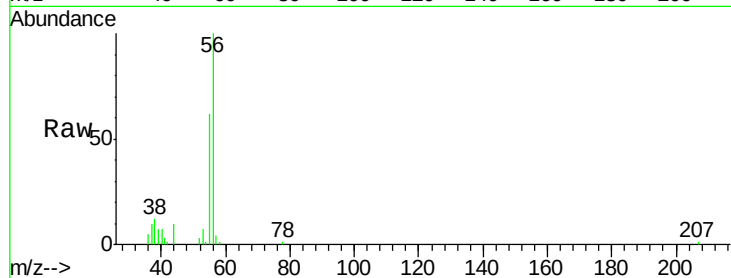
55 72.1 56.0 84.0

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#14

Allyl chloride

Concen: 19.111 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

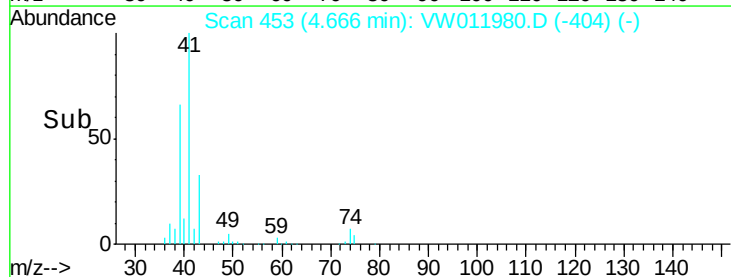
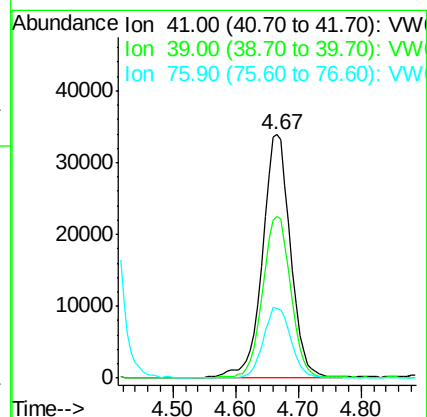
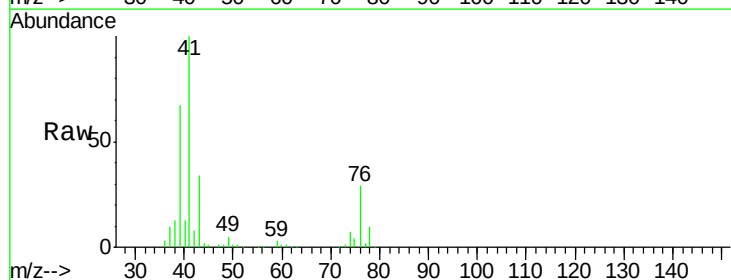
Tgt Ion: 41 Resp: 105242

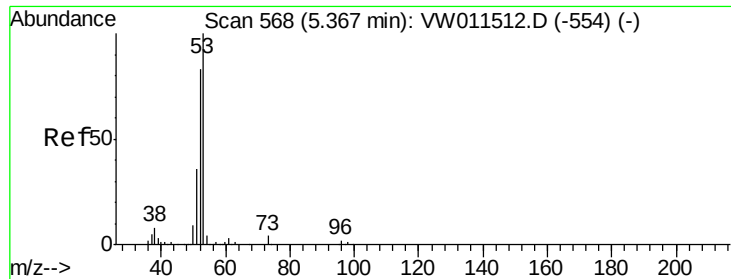
Ion Ratio Lower Upper

41 100

39 65.7 52.6 78.8

76 28.4 22.0 33.0





#15

Acrylonitrile

Concen: 92.376 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

Instrument :

MSVOA\_W

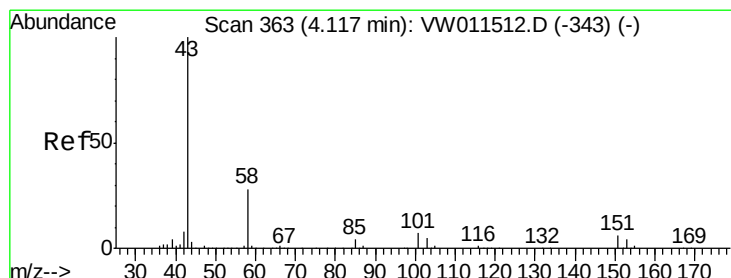
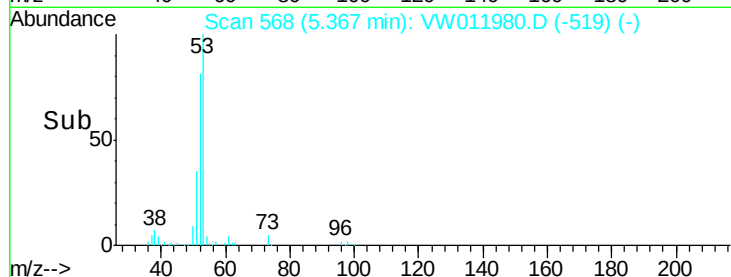
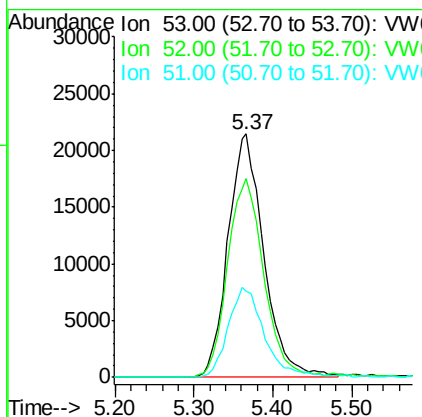
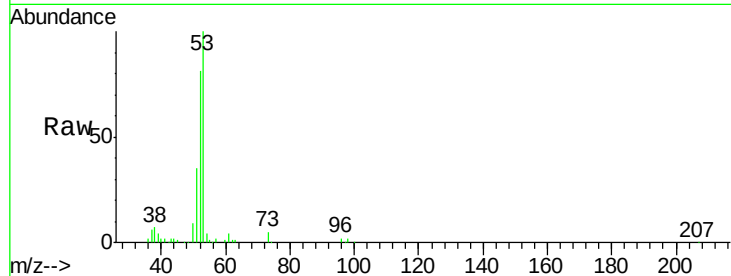
ClientSampleId :

VW0819SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 67585 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 82.6  | 67.2  | 100.8 |
| 51       | 37.2  | 30.0  | 45.0  |

Manual Integrations  
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#16

Acetone

Concen: 73.103 ug/l

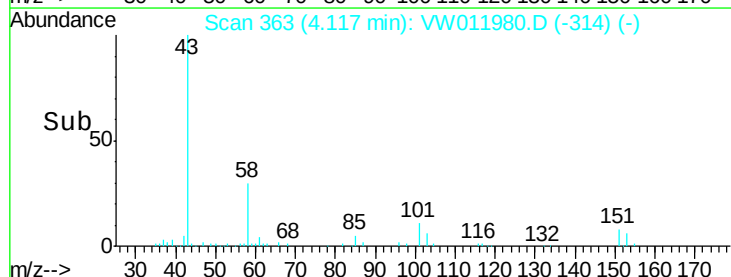
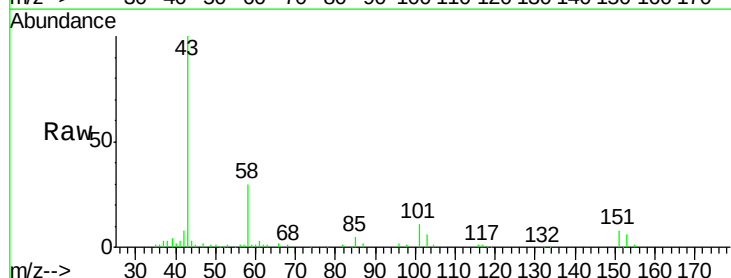
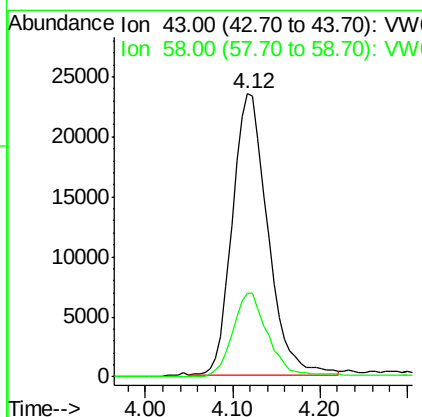
RT: 4.12 min Scan# 363

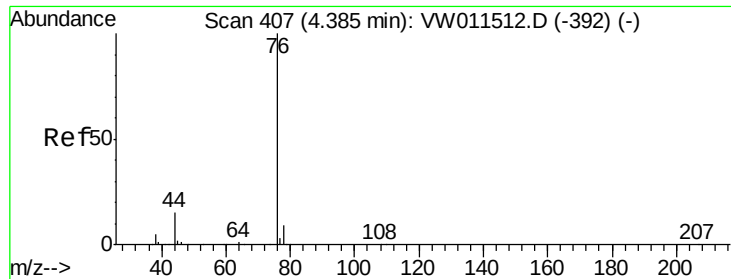
Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 66382 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 29.3  | 22.3  | 33.5  |





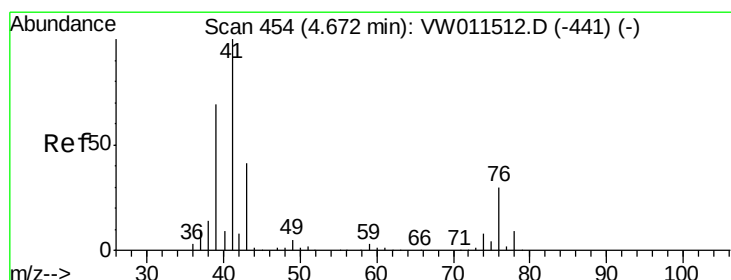
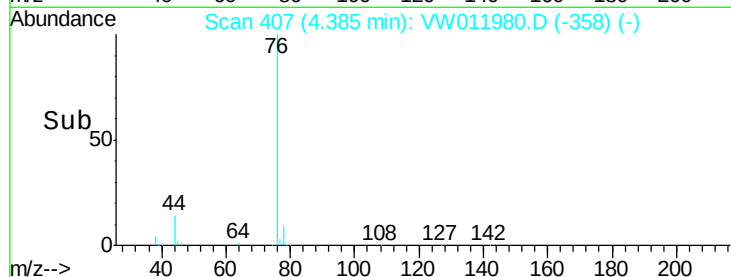
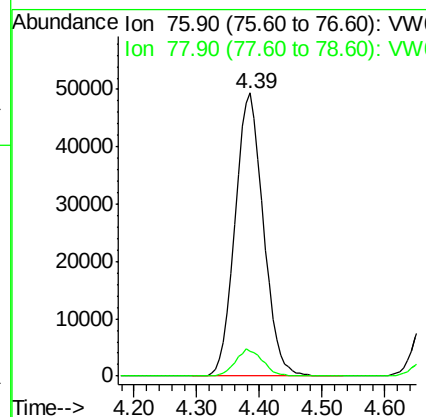
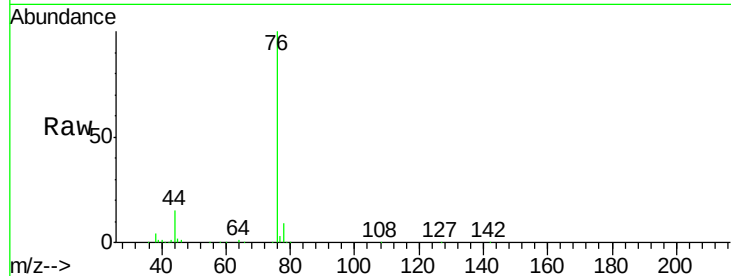
#17  
Carbon Disulfide  
Concen: 19.042 ug/l  
RT: 4.39 min Scan# 407  
Delta R.T. -0.00 min  
Lab File: VW011980.D  
Acq: 19 Aug 2019 10:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0819SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.9   | 7.1   | 10.7  |

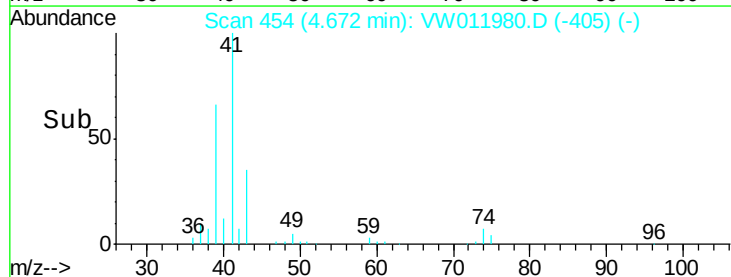
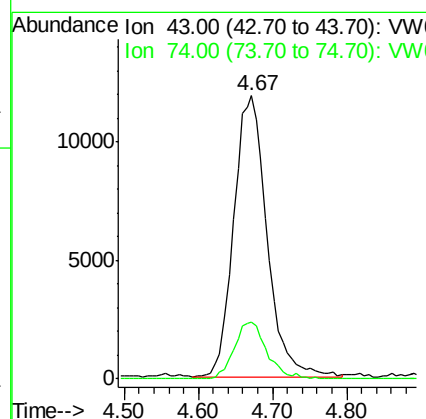
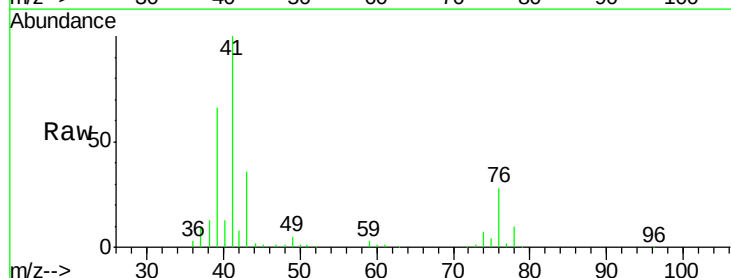
Manual Integrations  
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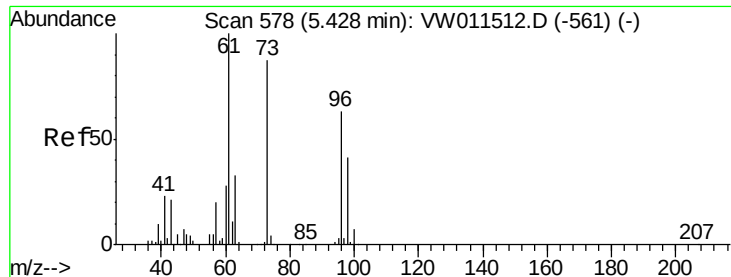
MMDadoda  
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#18  
Methyl Acetate  
Concen: 18.187 ug/l  
RT: 4.67 min Scan# 454  
Delta R.T. -0.00 min  
Lab File: VW011980.D  
Acq: 19 Aug 2019 10:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 19.7  | 15.9  | 23.9  |





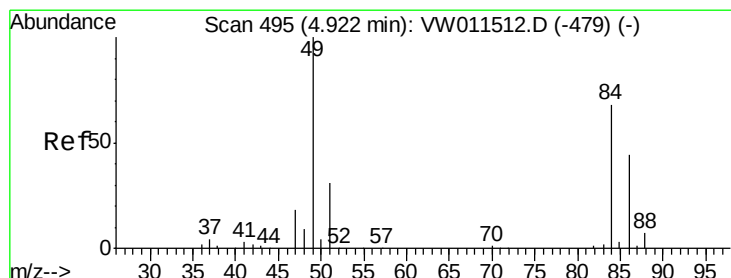
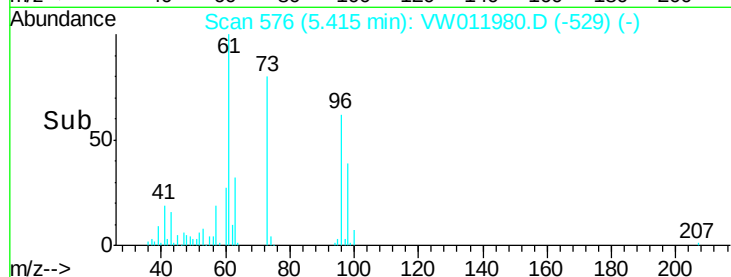
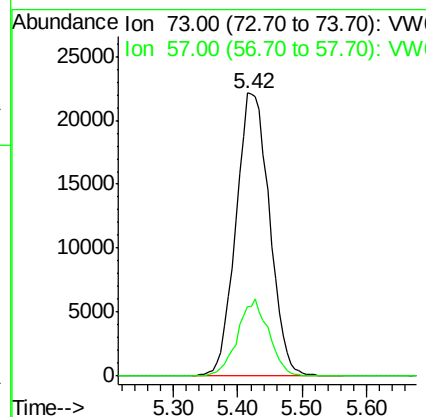
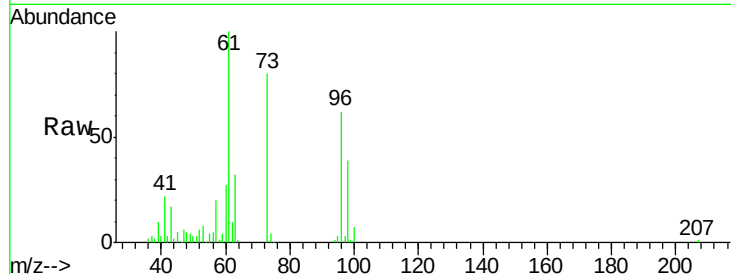
#19  
Methyl tert-butyl Ether  
Concen: 19.463 ug/l  
RT: 5.42 min Scan# 576  
Delta R.T. -0.01 min  
Lab File: VW011980.D  
Acq: 19 Aug 2019 10:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0819SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 24.7  | 18.4  | 27.6  |

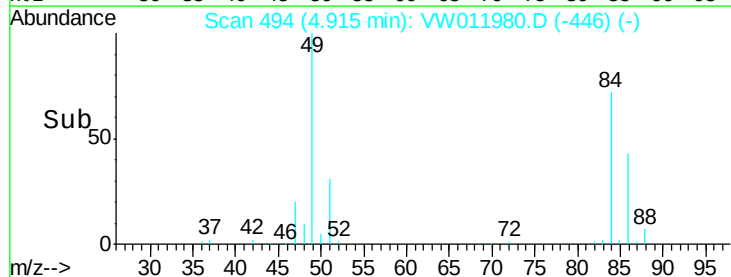
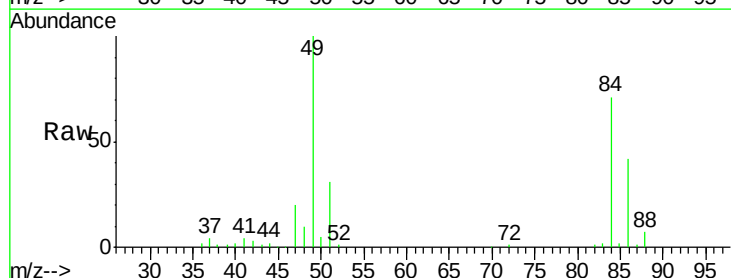
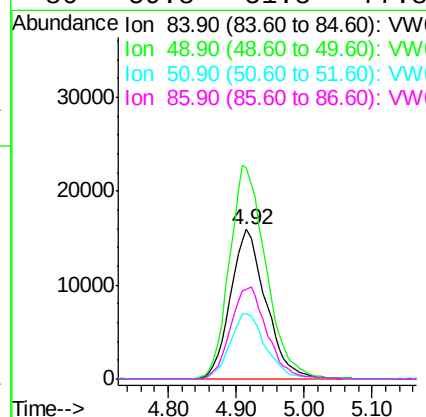
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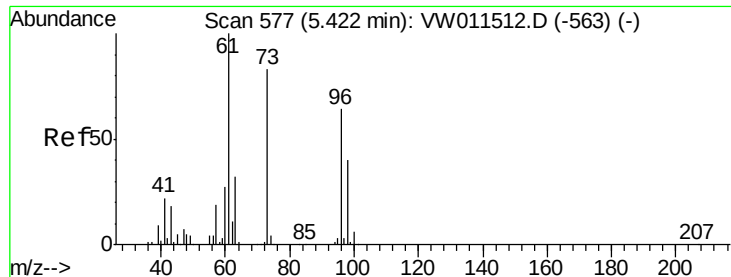
MMDadoda  
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#20  
Methylene Chloride  
Concen: 18.416 ug/l  
RT: 4.92 min Scan# 494  
Delta R.T. -0.01 min  
Lab File: VW011980.D  
Acq: 19 Aug 2019 10:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 140.8 | 117.8 | 176.6 |
| 51      | 43.6  | 37.0  | 55.4  |
| 86      | 59.8  | 51.8  | 77.8  |





#21

trans-1,2-Dichloroethene

Concen: 19.262 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

Instrument :

MSVOA\_W

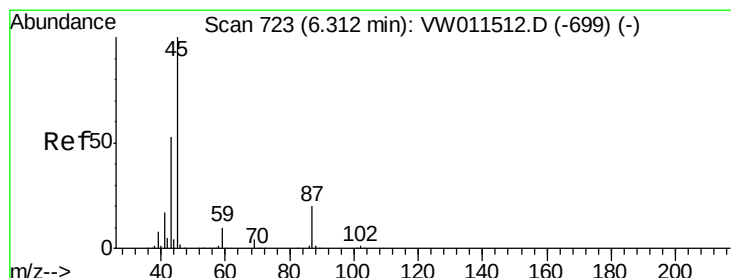
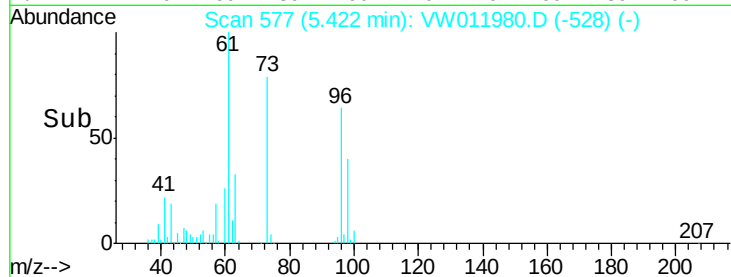
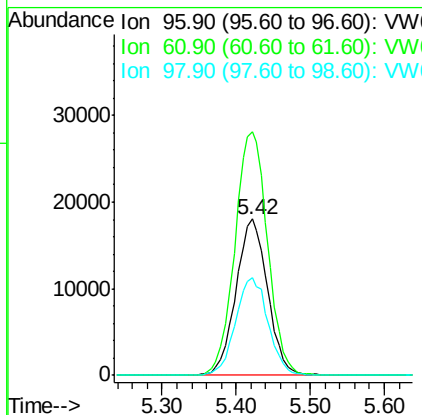
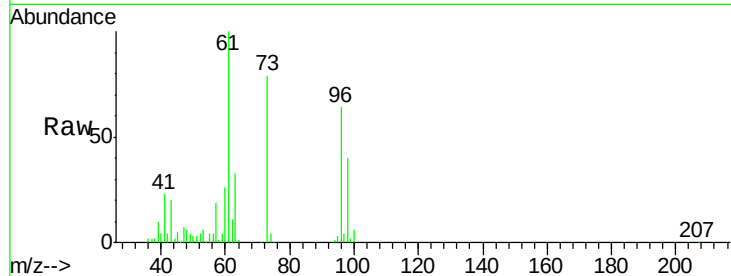
ClientSampleId :

VW0819SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 53767 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 156.0 | 125.7 | 188.5 |
| 98       | 62.2  | 50.3  | 75.5  |

Manual Integrations  
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#22

Diisopropyl ether

Concen: 19.008 ug/l

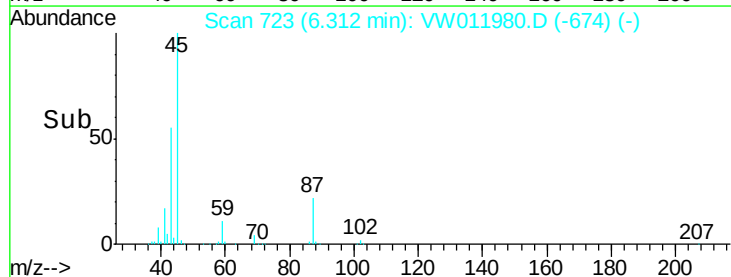
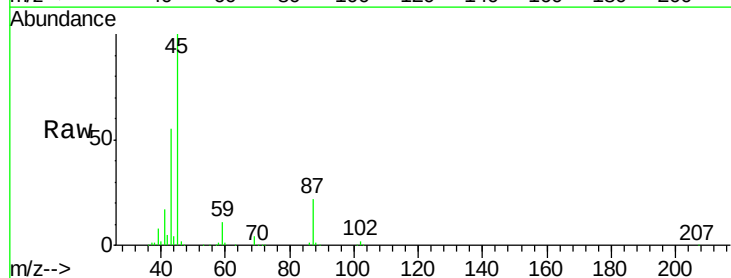
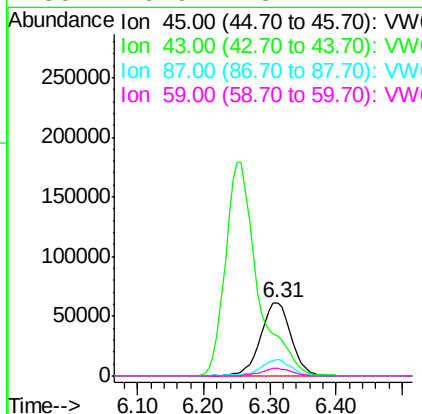
RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

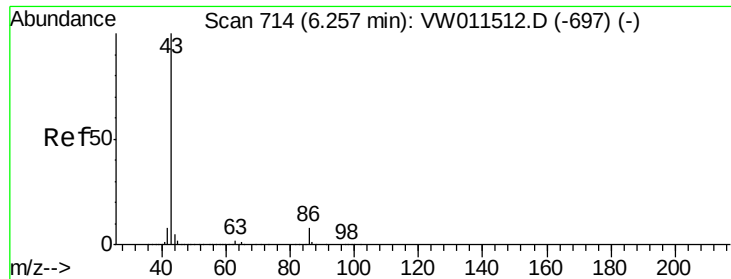
Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 197348 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 54.7  | 42.6  | 63.8   |
| 87       | 21.8  | 16.4  | 24.6   |
| 59       | 10.9  | 8.2   | 12.2   |







#23

Vinyl Acetate

Concen: 92.645 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

Instrument :

MSVOA\_W

ClientSampleId :

VW0819SBS01

Tot Ion: 43 Resp: 604389

Ion Ratio Lower Upper

43 100

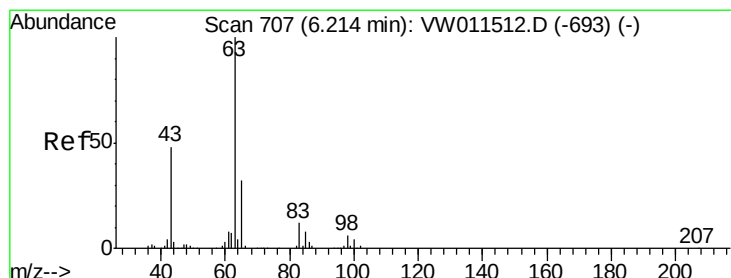
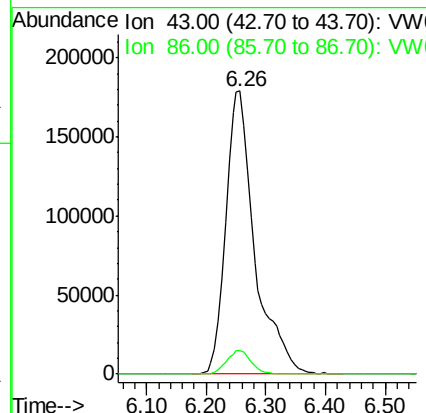
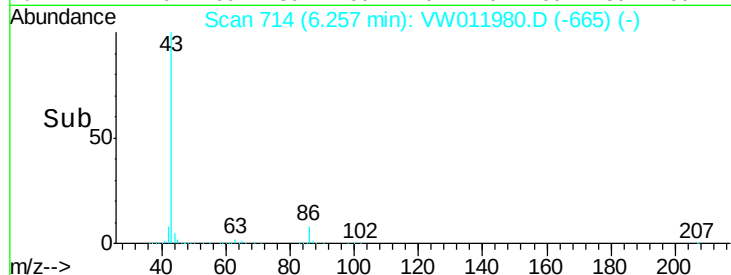
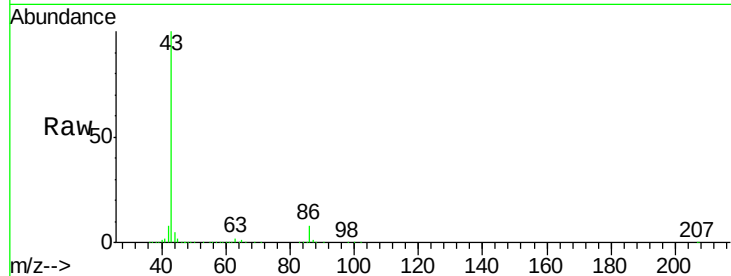
86 8.2 6.5 9.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.277 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

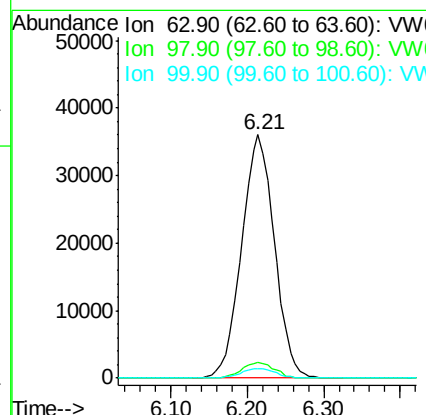
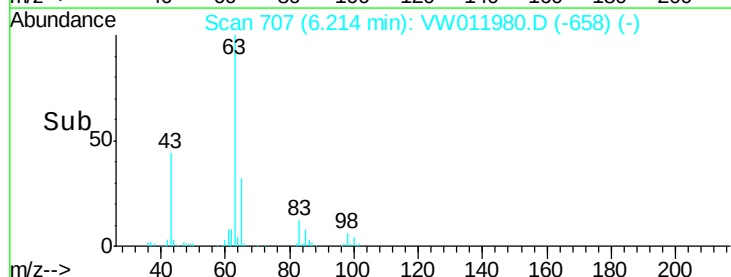
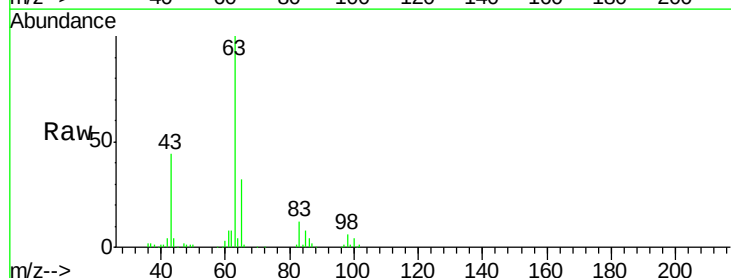
Tgt Ion: 63 Resp: 107185

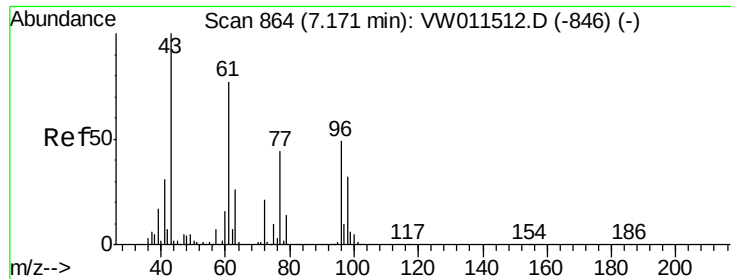
Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.8

100 4.1 2.1 6.3





#25

2-Butanone

Concen: 81.992 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

Instrument :

MSVOA\_W

ClientSampleId :

VW0819SBS01

Tot Ion: 43 Resp: 97425

Ion Ratio Lower Upper

43 100

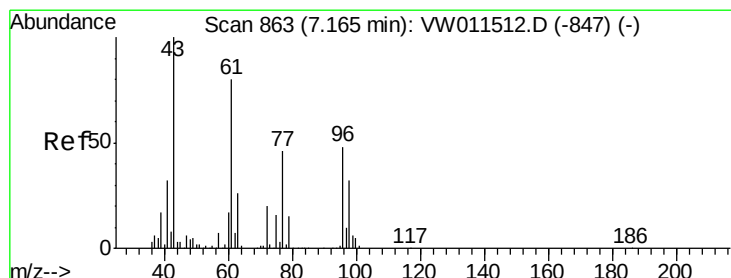
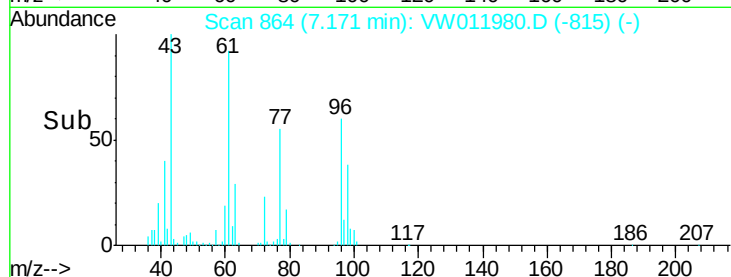
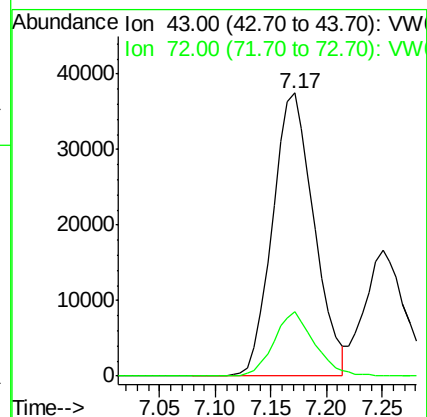
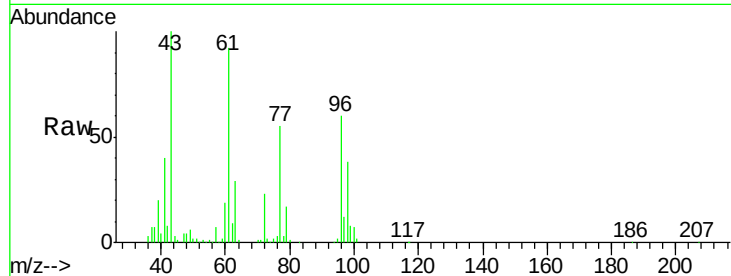
72 22.6 16.6 24.8

Manual Integrations

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8/20/2019 9:56:31 AM



#26

2,2-Dichloropropane

Concen: 18.248 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011980.D

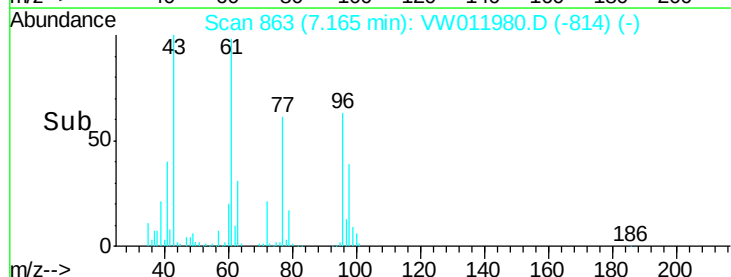
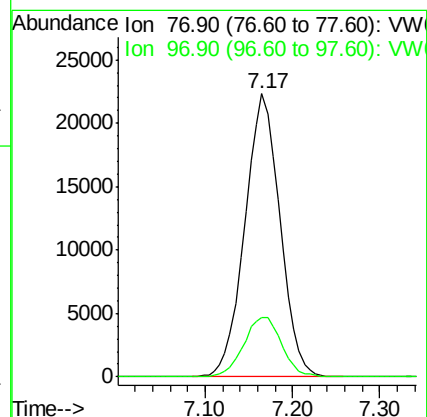
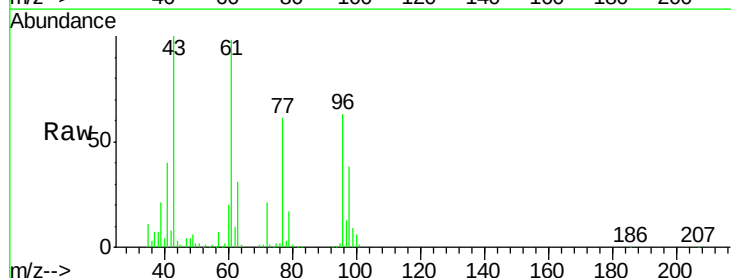
Acq: 19 Aug 2019 10:22

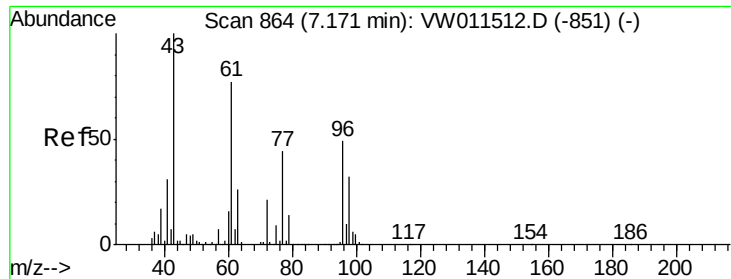
Tgt Ion: 77 Resp: 62402

Ion Ratio Lower Upper

77 100

97 22.6 10.8 32.4





#27

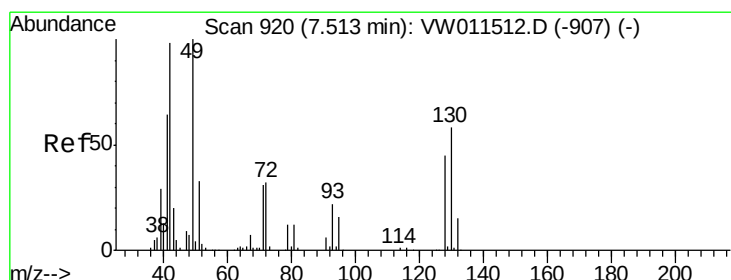
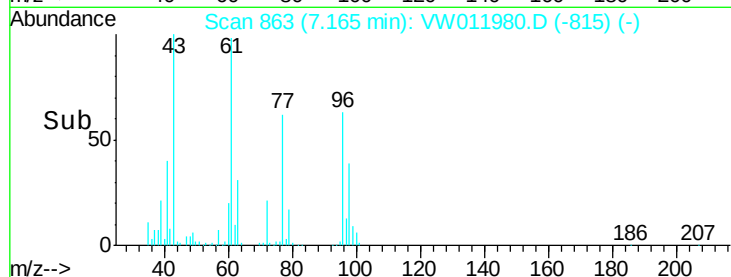
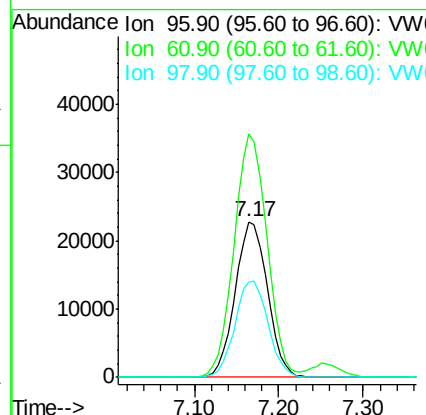
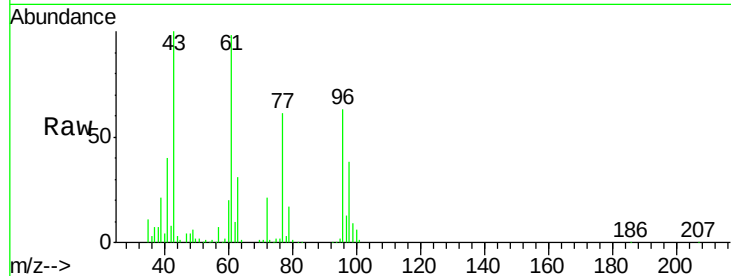
cis-1,2-Dichloroethene  
 Concen: 19.257 ug/l  
 RT: 7.17 min Scan# 863  
 Delta R.T. -0.01 min  
 Lab File: VW011980.D  
 Acq: 19 Aug 2019 10:22

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0819SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 159.8 | 0.0   | 328.4 |
| 98      | 63.3  | 0.0   | 128.8 |

Manual Integrations  
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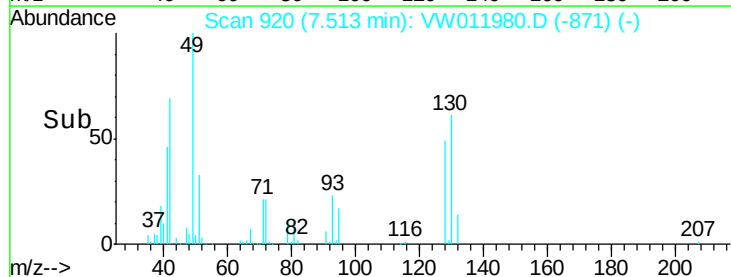
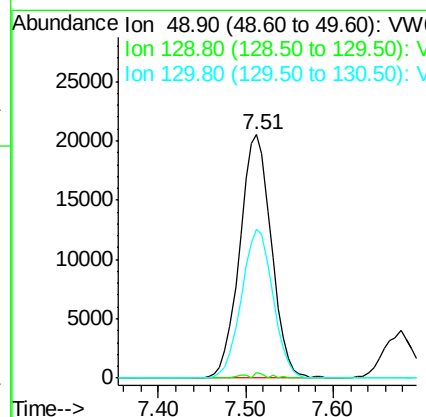
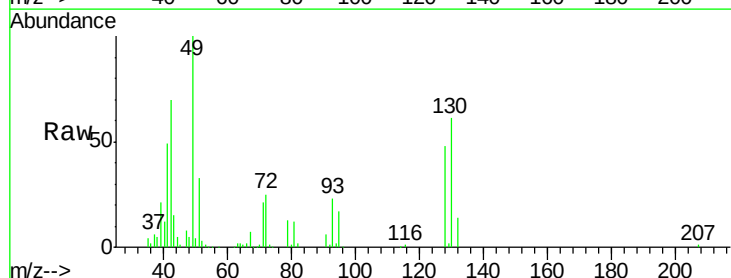
MMDadoda  
 8/20/2019 9:56:31 AM

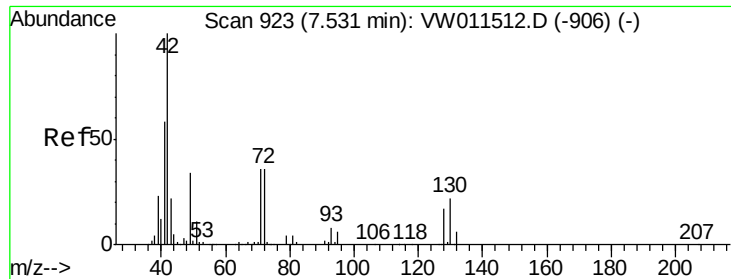


#28

Bromochloromethane  
 Concen: 20.909 ug/l  
 RT: 7.51 min Scan# 920  
 Delta R.T. -0.00 min  
 Lab File: VW011980.D  
 Acq: 19 Aug 2019 10:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 0.8   | 0.0   | 1.0   |
| 130     | 60.6  | 46.3  | 69.5  |





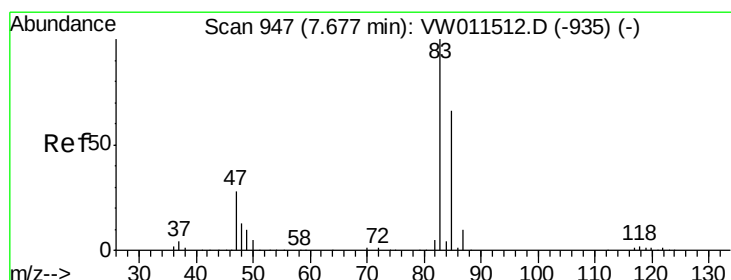
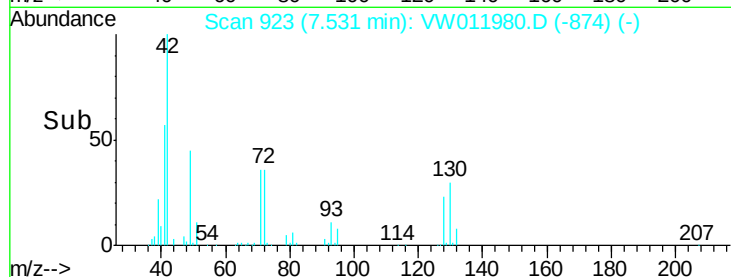
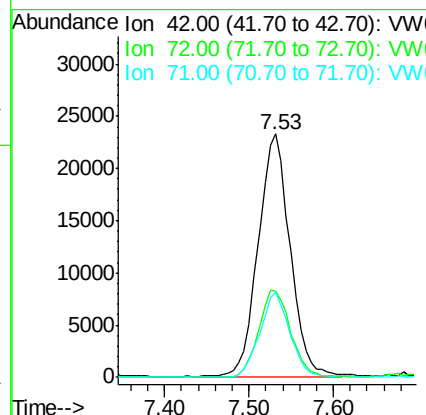
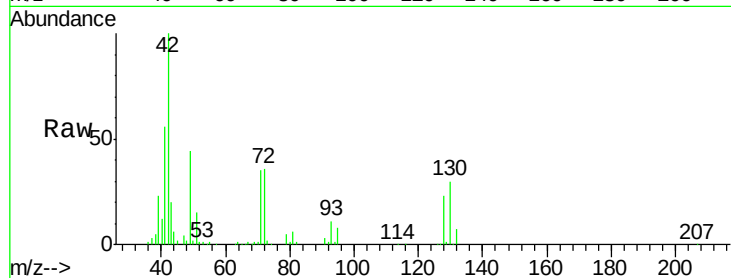
#29  
Tetrahydrofuran  
Concen: 89.662 ug/l  
RT: 7.53 min Scan# 923  
Delta R.T. -0.00 min  
Lab File: VW011980.D  
Acq: 19 Aug 2019 10:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0819SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 35.8  | 27.1  | 40.7  |
| 71      | 32.6  | 26.2  | 39.4  |

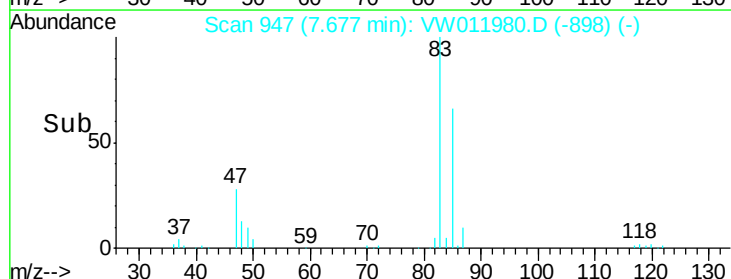
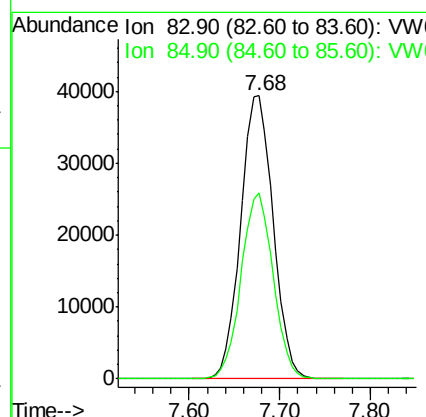
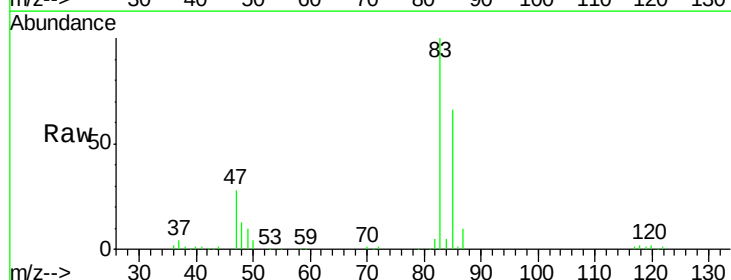
Manual Integrations  
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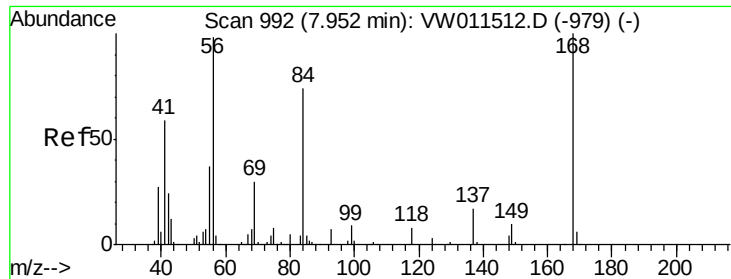
MMDadoda  
8/20/2019 9:56:31 AM



#30  
Chloroform  
Concen: 19.085 ug/l  
RT: 7.68 min Scan# 947  
Delta R.T. -0.00 min  
Lab File: VW011980.D  
Acq: 19 Aug 2019 10:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.9  | 52.5  | 78.7  |





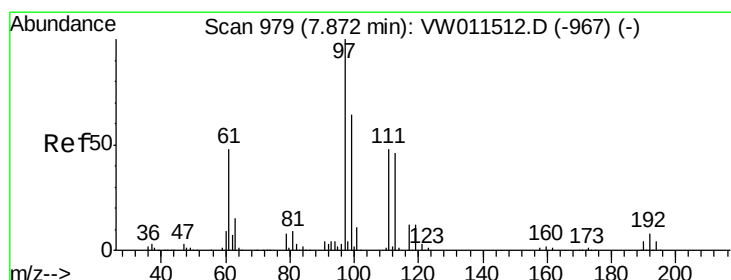
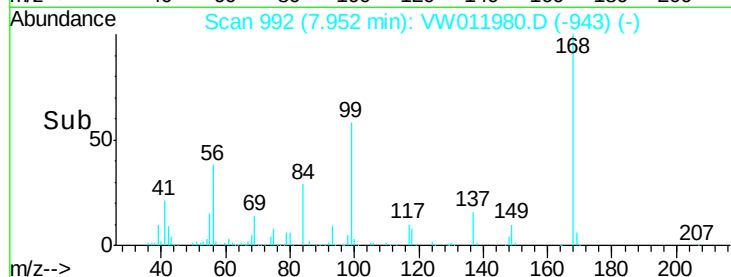
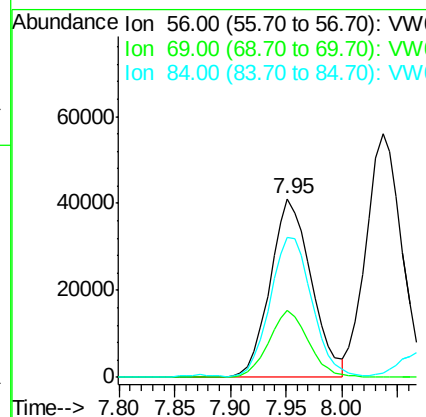
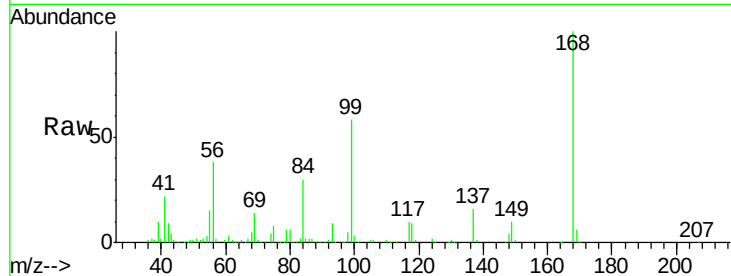
#31  
Cyclohexane  
Concen: 19.766 ug/l  
RT: 7.95 min Scan# 992  
Delta R.T. -0.00 min  
Lab File: VW011980.D  
Acq: 19 Aug 2019 10:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0819SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 37.2  | 24.3  | 36.5# |
| 84      | 77.0  | 60.4  | 90.6  |

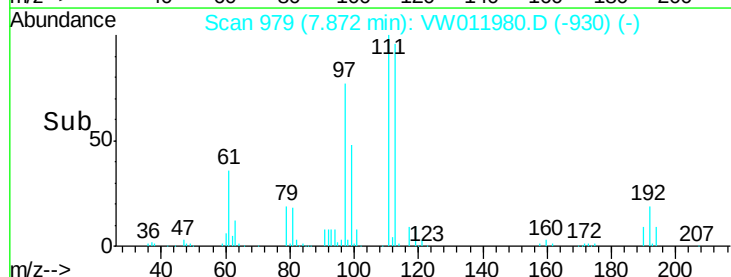
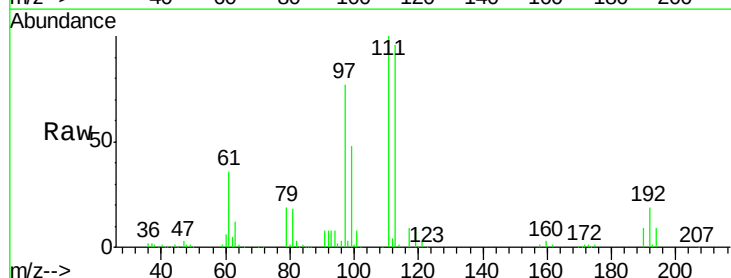
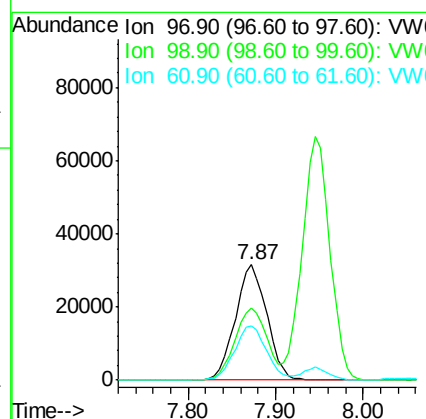
Manual Integrations  
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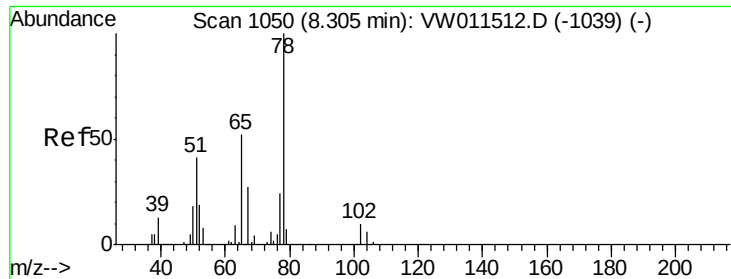
MMDadoda  
8/20/2019 9:56:31 AM



#32  
1,1,1-Trichloroethane  
Concen: 20.150 ug/l  
RT: 7.87 min Scan# 979  
Delta R.T. -0.00 min  
Lab File: VW011980.D  
Acq: 19 Aug 2019 10:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.4  | 51.0  | 76.6  |
| 61      | 47.9  | 39.8  | 59.6  |





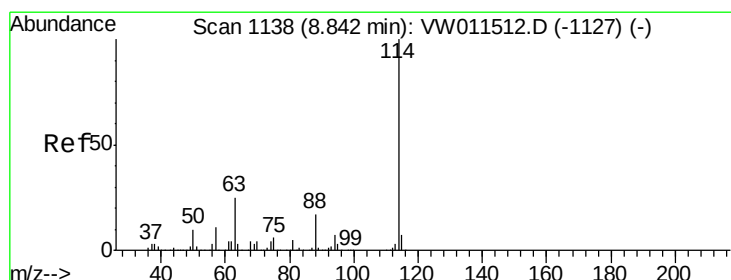
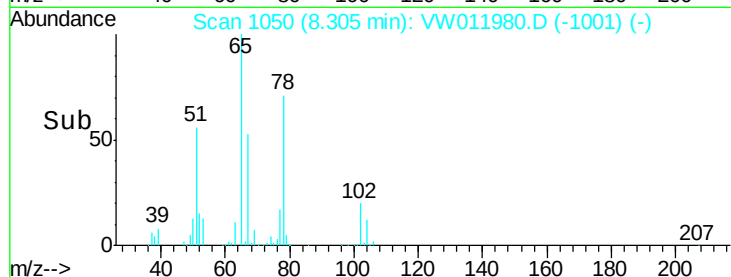
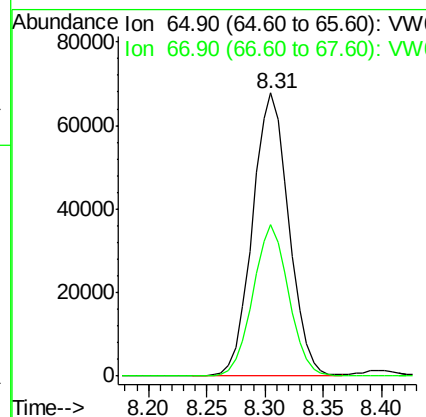
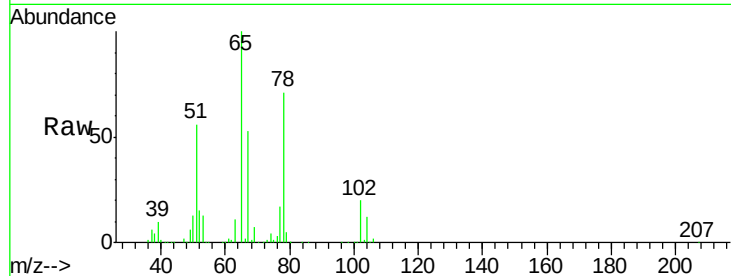
#33  
 1,2-Dichloroethane-d4  
 Concen: 51.411 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. -0.00 min  
 Lab File: VW011980.D  
 Acq: 19 Aug 2019 10:22

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0819SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 146761 |       |       |
| 67      | 52.6  | 0.0    | 105.2 |       |

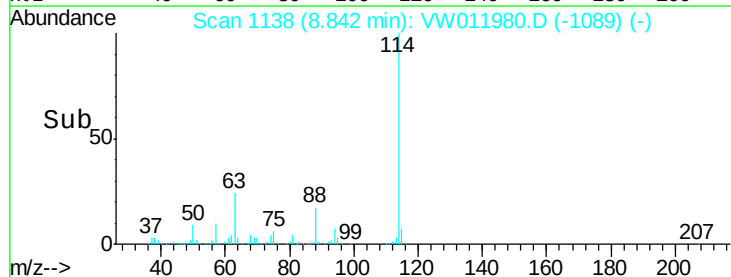
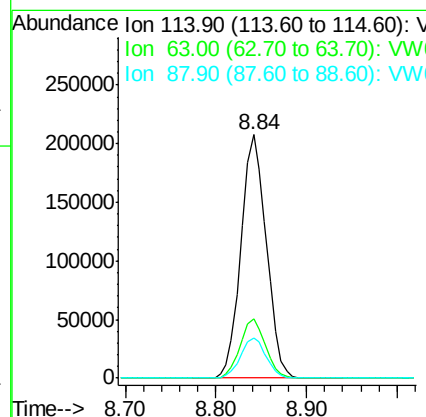
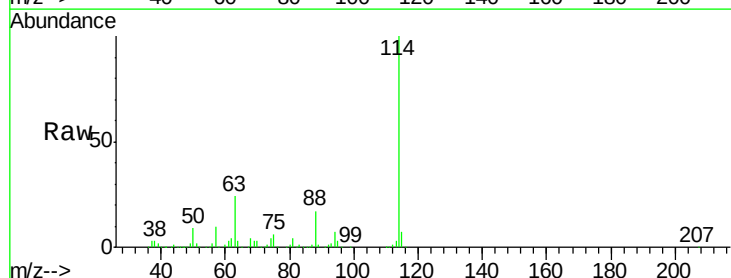
Manual Integrations  
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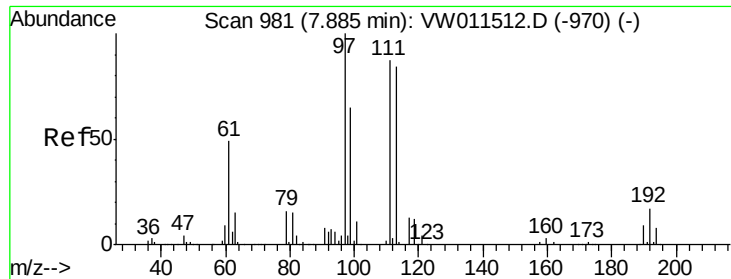
MMDadoda  
 8/20/2019 9:56:31 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW011980.D  
 Acq: 19 Aug 2019 10:22

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 401949 |       |       |
| 63      | 24.2  | 0.0    | 49.2  |       |
| 88      | 16.6  | 0.0    | 33.8  |       |





#35

Dibromofluoromethane

Concen: 54.868 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

Instrument :

MSVOA\_W

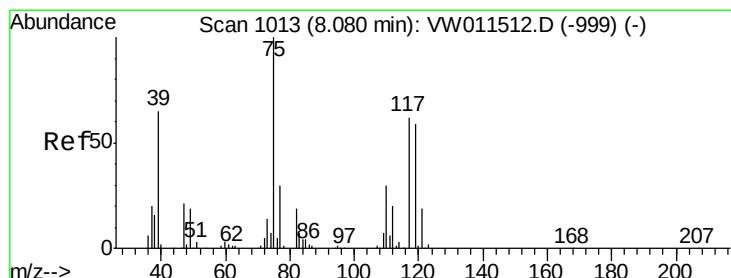
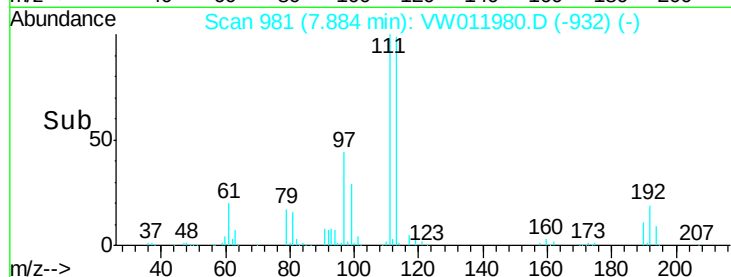
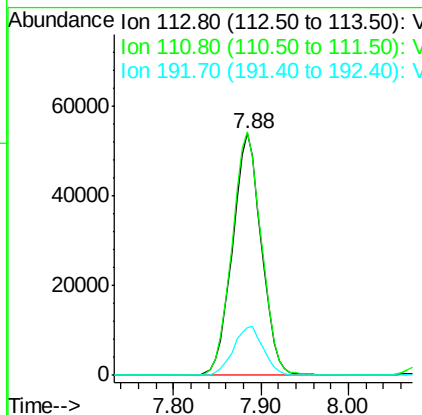
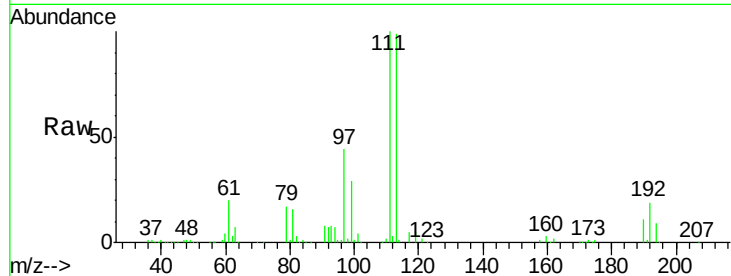
ClientSampled :

VW0819SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 123728 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 102.4 | 82.7  | 124.1  |
| 192       | 20.9  | 16.1  | 24.1   |

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#36

1,1-Dichloropropene

Concen: 19.842 ug/l

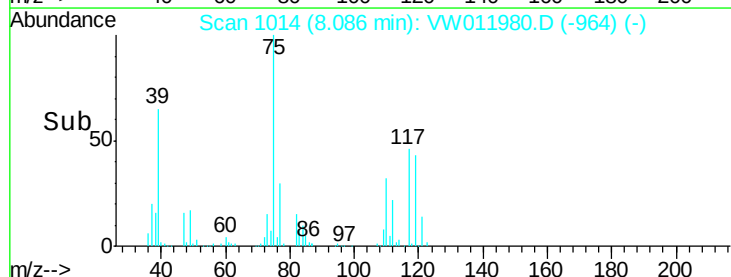
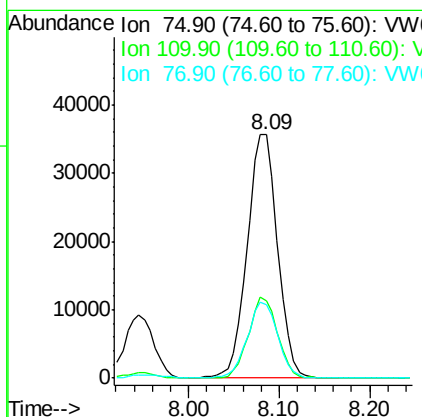
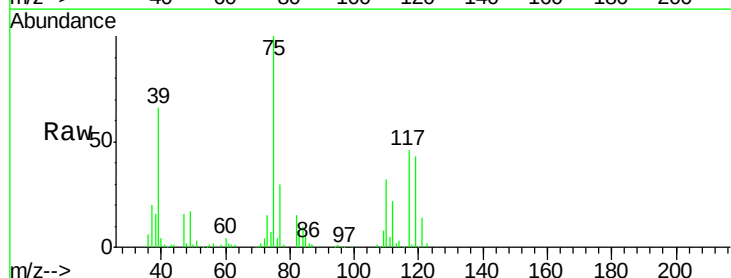
RT: 8.09 min Scan# 1014

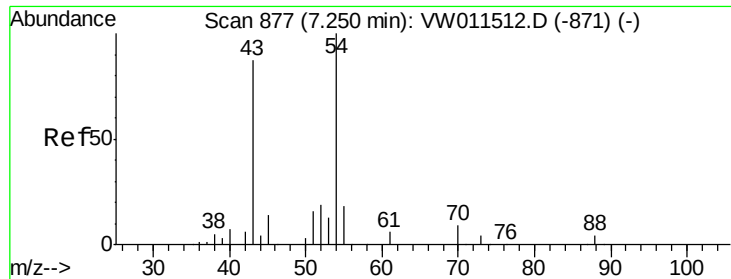
Delta R.T. 0.01 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 82931 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 31.9  | 15.6  | 46.8  |
| 77        | 31.5  | 24.3  | 36.5  |





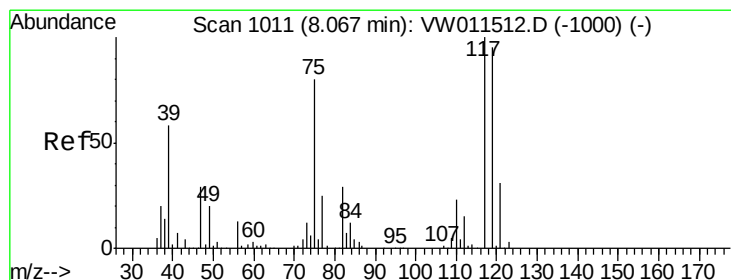
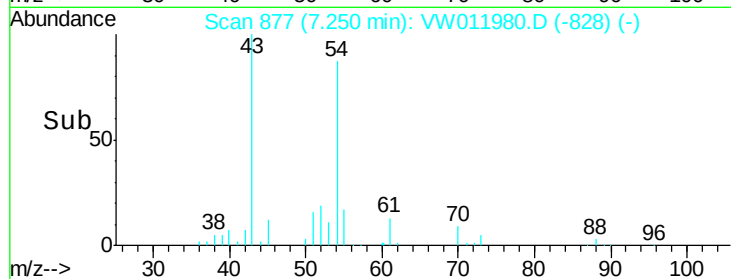
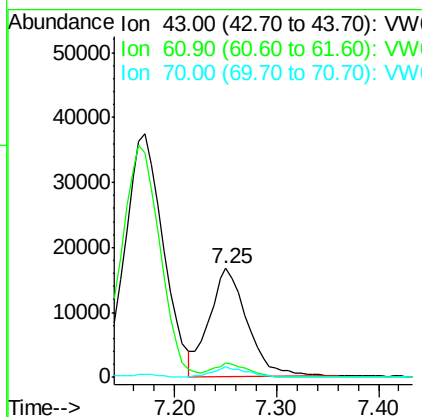
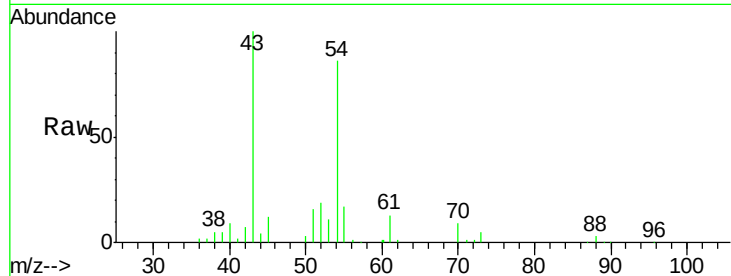
#37  
Ethyl Acetate  
Concen: 17.992 ug/l  
RT: 7.25 min Scan# 877  
Delta R.T. -0.00 min  
Lab File: VW011980.D  
Acq: 19 Aug 2019 10:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0819SBS01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 43      | 100   | 43263 |       |       |
| 61      | 11.9  |       | 8.8   | 13.2  |
| 70      | 8.8   |       | 7.1   | 10.7  |

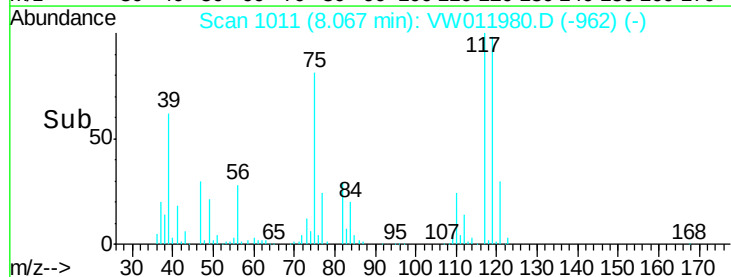
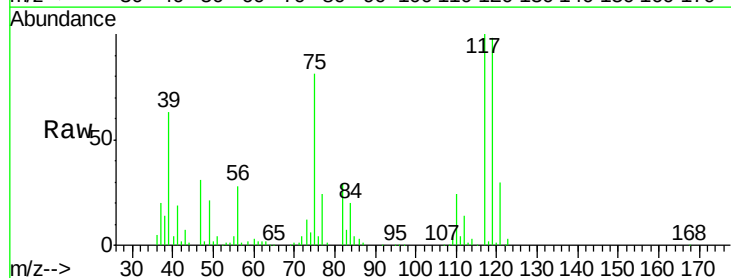
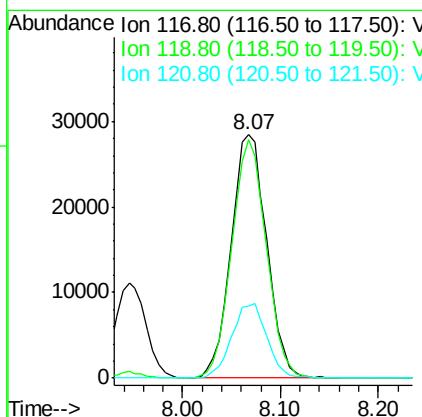
Manual Integrations  
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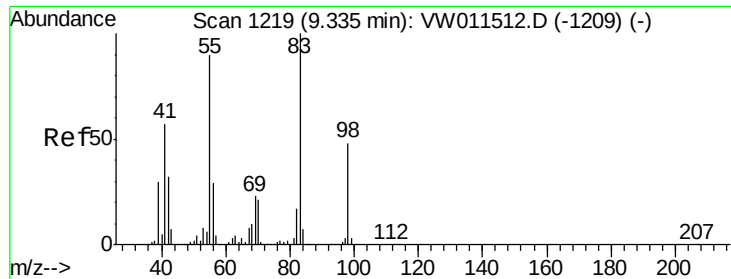


#38  
Carbon Tetrachloride  
Concen: 20.092 ug/l  
RT: 8.07 min Scan# 1011  
Delta R.T. -0.00 min  
Lab File: VW011980.D  
Acq: 19 Aug 2019 10:22

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 117     | 100   | 71888 |       |       |
| 119     | 98.1  |       | 75.8  | 113.6 |
| 121     | 29.8  |       | 24.7  | 37.1  |







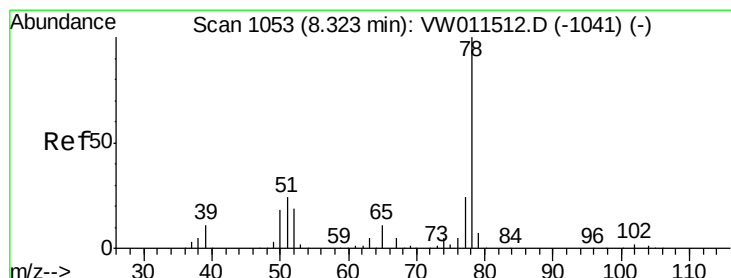
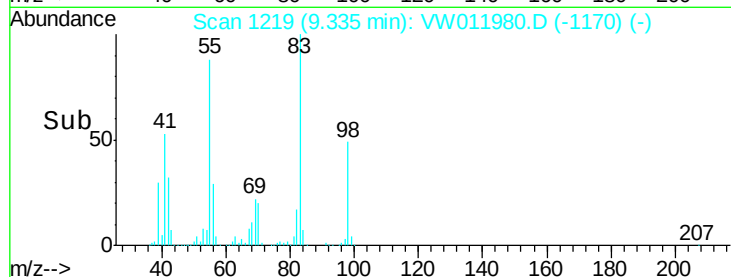
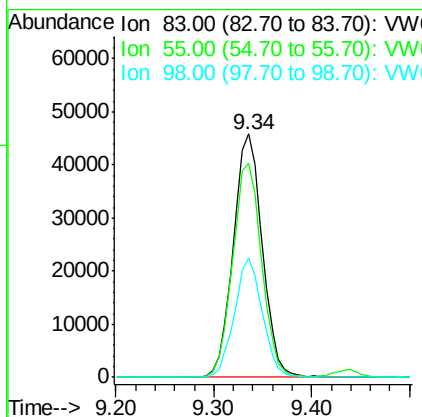
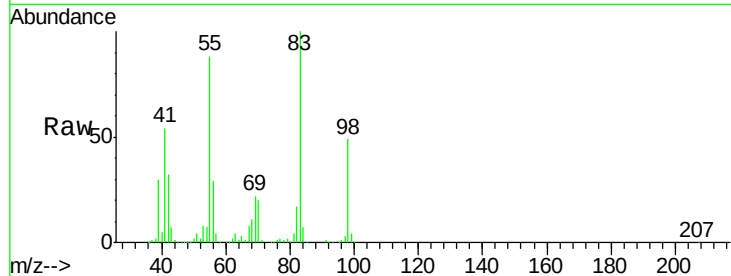
#39  
Methylvlcyclohexane  
Concen: 20.443 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. -0.00 min  
Lab File: VW011980.D  
Acq: 19 Aug 2019 10:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0819SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 88.2  | 72.1  | 108.1 |
| 98      | 49.2  | 38.6  | 57.8  |

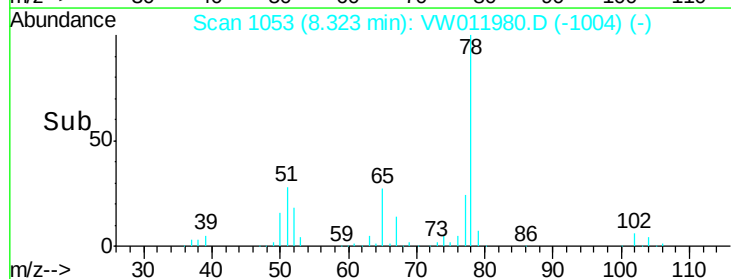
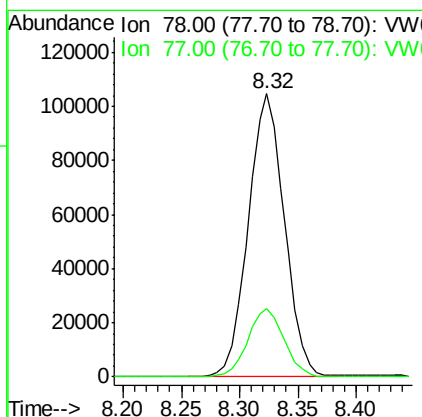
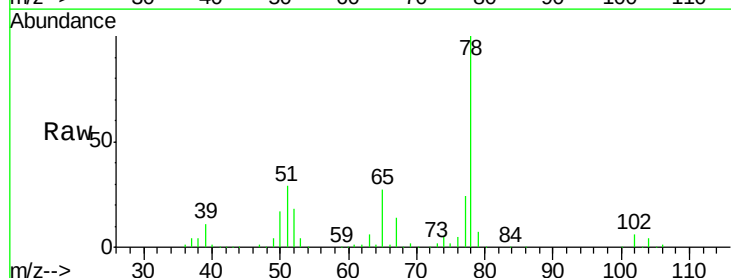
Manual Integrations  
APPROVED

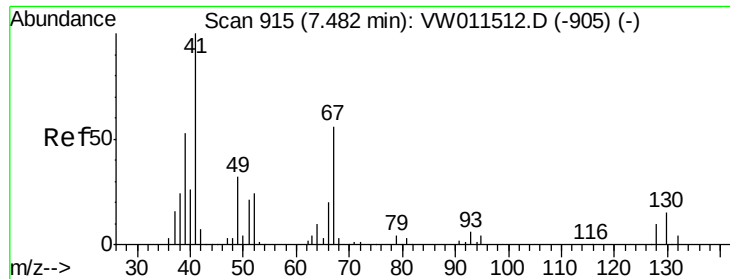
MMDadoda  
8/20/2019 9:56:31 AM



#40  
Benzene  
Concen: 19.364 ug/l  
RT: 8.32 min Scan# 1053  
Delta R.T. -0.00 min  
Lab File: VW011980.D  
Acq: 19 Aug 2019 10:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.1  | 19.4  | 29.0  |





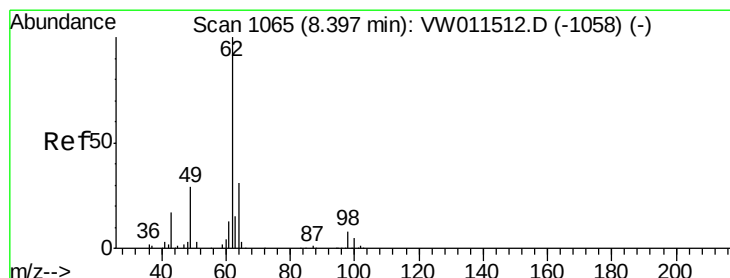
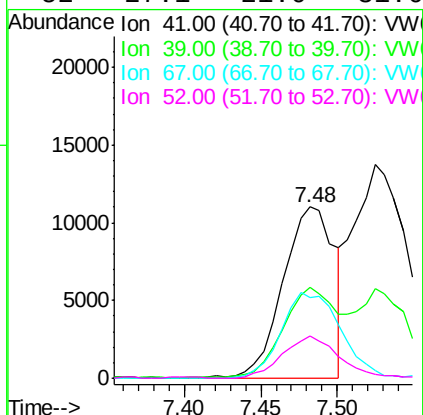
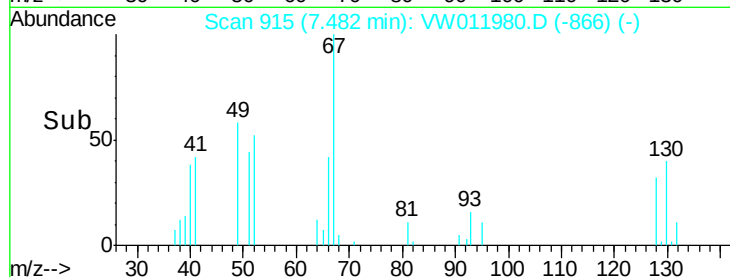
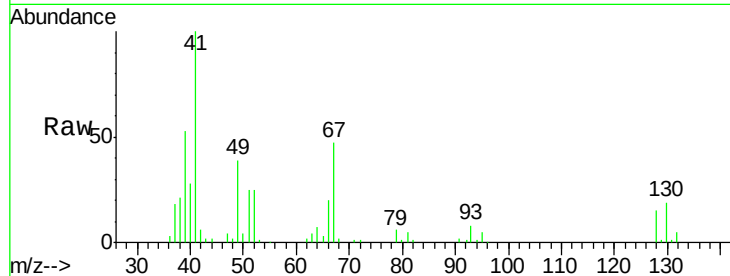
#41  
Methacrylonitrile  
Concen: 17.912 ug/l  
RT: 7.48 min Scan# 915  
Delta R.T. -0.00 min  
Lab File: VW011980.D  
Acq: 19 Aug 2019 10:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0819SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 58.9  | 43.0  | 64.4  |
| 67      | 58.8  | 47.5  | 71.3  |
| 52      | 27.1  | 21.0  | 31.6  |

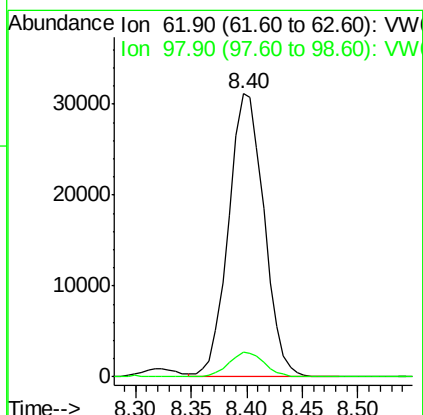
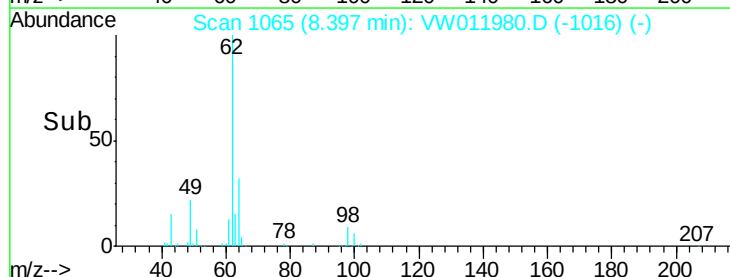
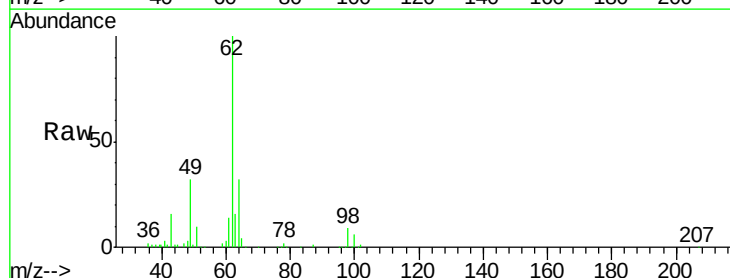
Manual Integrations  
APPROVED

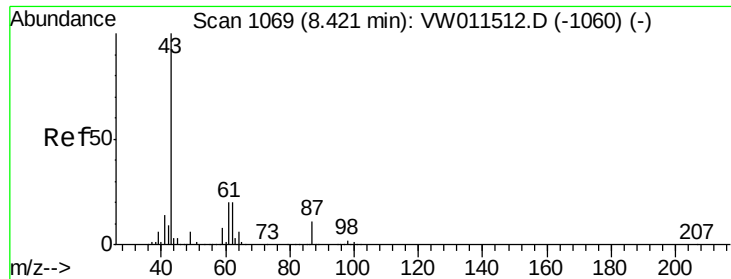
MMDadoda  
8/20/2019 9:56:31 AM



#42  
1,2-Dichloroethane  
Concen: 18.817 ug/l  
RT: 8.40 min Scan# 1065  
Delta R.T. -0.00 min  
Lab File: VW011980.D  
Acq: 19 Aug 2019 10:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 8.6   | 0.0   | 16.8  |





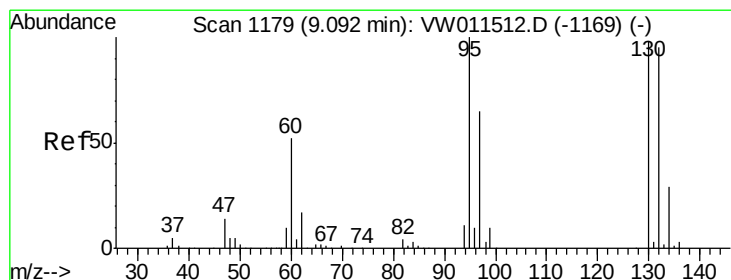
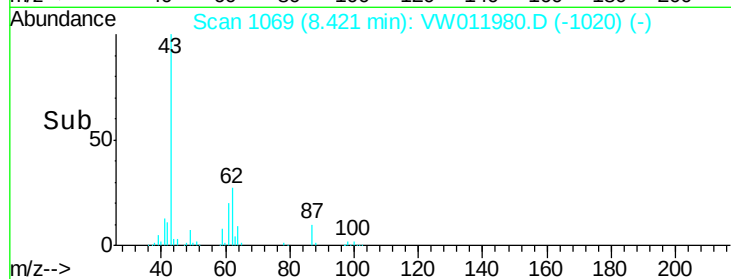
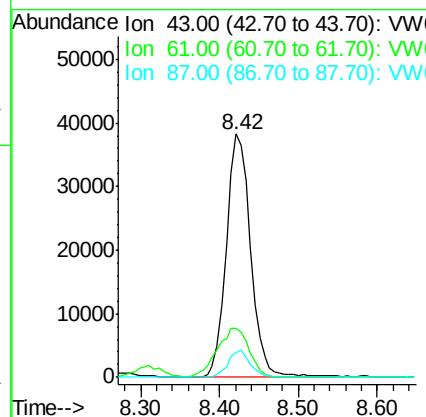
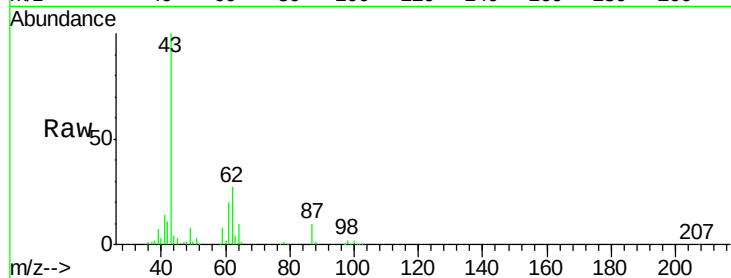
#43  
Isopropyl Acetate  
Concen: 18.378 ug/l  
RT: 8.42 min Scan# 1069  
Delta R.T. -0.00 min  
Lab File: VW011980.D  
Acq: 19 Aug 2019 10:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0819SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 27.0  | 21.5  | 32.3  |
| 87      | 10.4  | 8.4   | 12.6  |

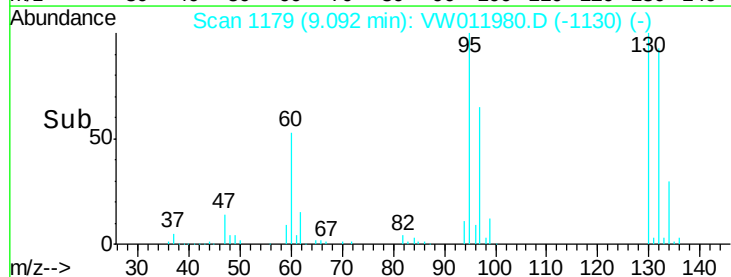
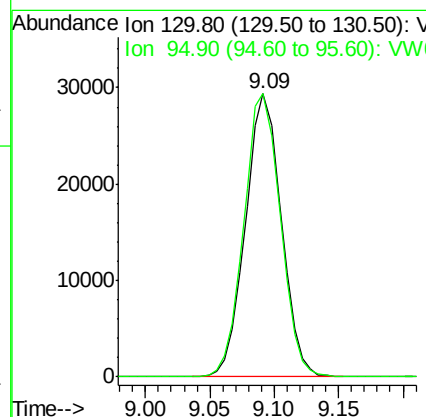
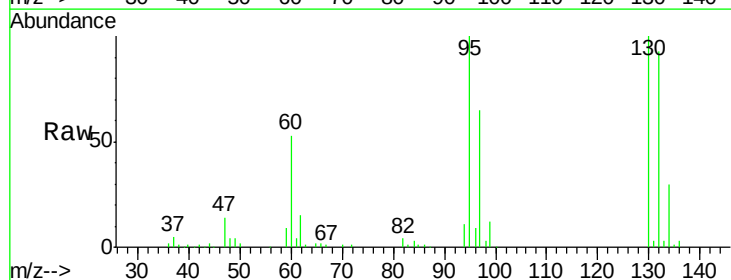
Manual Integrations  
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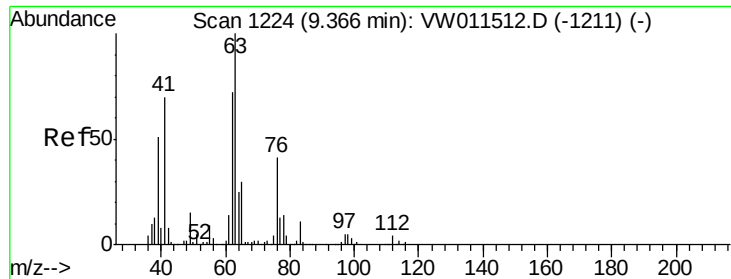
MMDadoda  
8/20/2019 9:56:31 AM



#44  
Trichloroethene  
Concen: 20.081 ug/l  
RT: 9.09 min Scan# 1179  
Delta R.T. -0.00 min  
Lab File: VW011980.D  
Acq: 19 Aug 2019 10:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 100.1 | 0.0   | 204.8 |





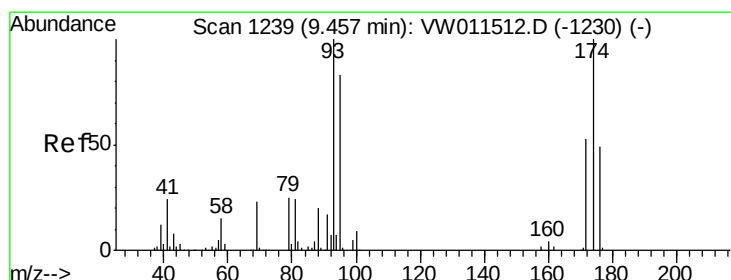
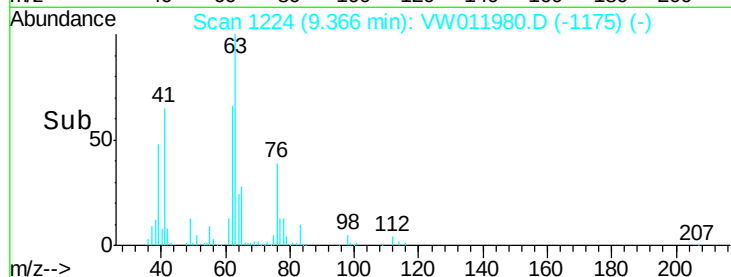
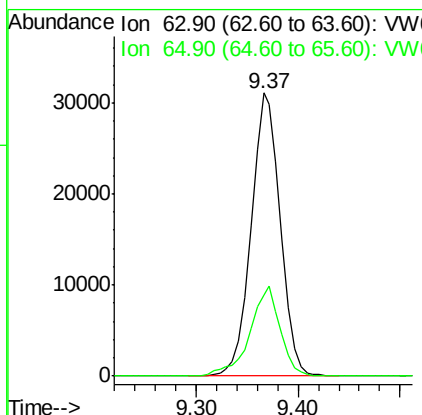
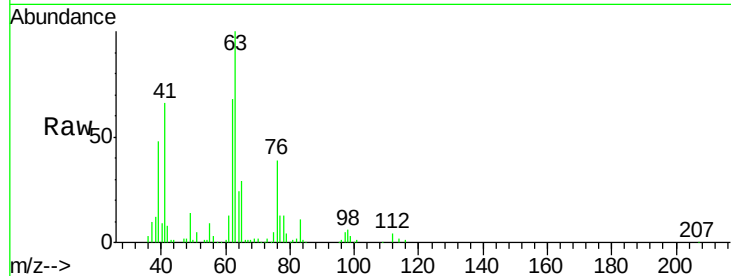
#45  
 1,2-Dichloropropane  
 Concen: 19.695 ug/l  
 RT: 9.37 min Scan# 1224  
 Delta R.T. -0.00 min  
 Lab File: VW011980.D  
 Acq: 19 Aug 2019 10:22

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VW0819SBSD01

Tot Ion: 63 Resp: 61693  
 Ion Ratio Lower Upper  
 63 100  
 65 28.6 24.2 36.4

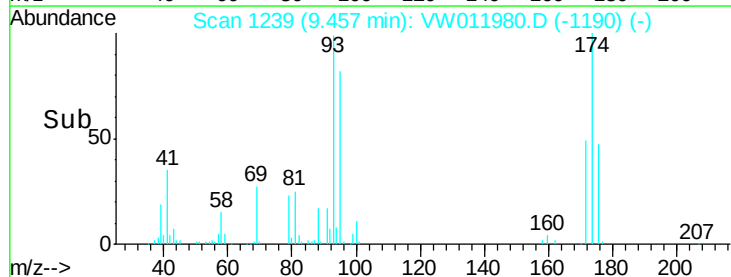
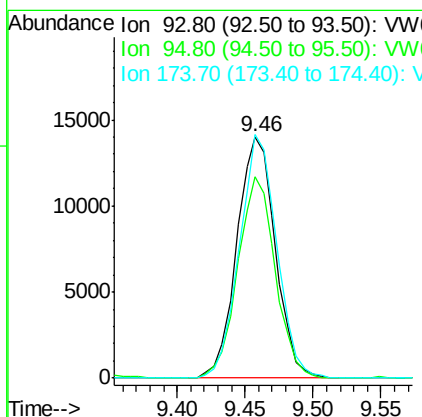
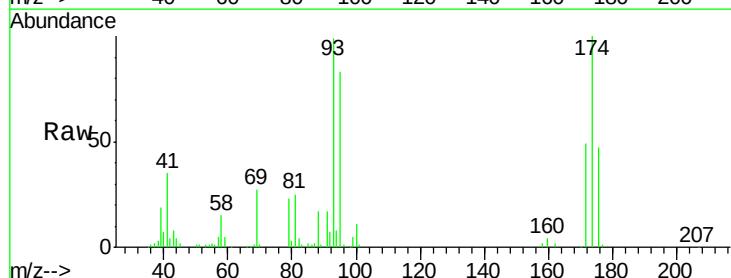
Manual Integrations  
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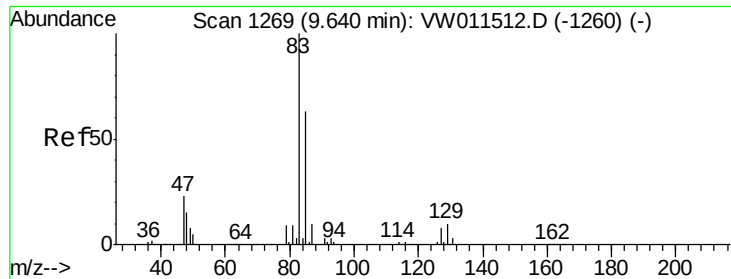
MMDadoda  
 8/20/2019 9:56:31 AM



#46  
 Dibromomethane  
 Concen: 19.238 ug/l  
 RT: 9.46 min Scan# 1239  
 Delta R.T. -0.00 min  
 Lab File: VW011980.D  
 Acq: 19 Aug 2019 10:22

Tgt Ion: 93 Resp: 27504  
 Ion Ratio Lower Upper  
 93 100  
 95 81.7 66.2 99.2  
 174 98.4 78.2 117.4





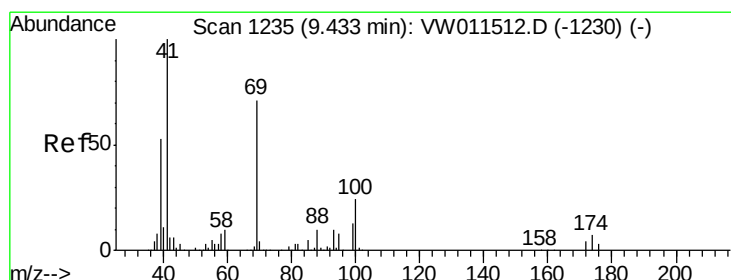
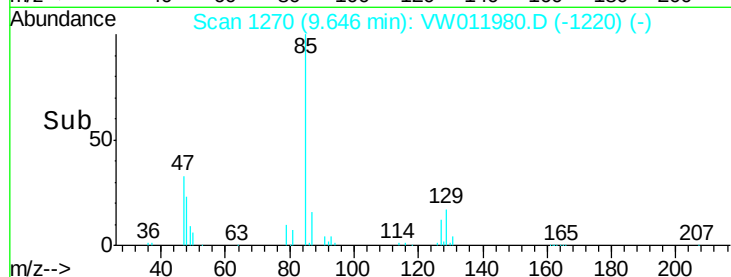
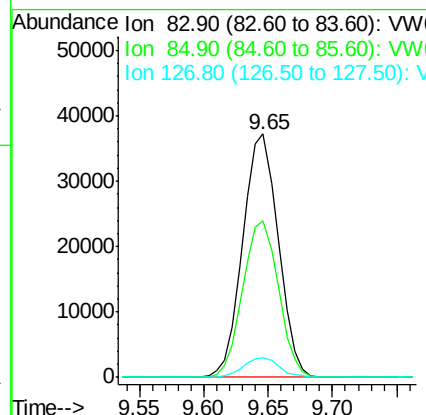
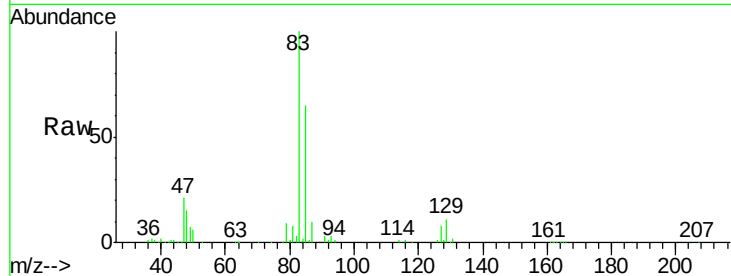
#47  
 Bromodichloromethane  
 Concen: 18.931 ug/l  
 RT: 9.65 min Scan# 1270  
 Delta R.T. 0.01 min  
 Lab File: VW011980.D  
 Acq: 19 Aug 2019 10:22

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0819SBS01

| Tot Ion   | 83   | Resp  | 70995 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 85        | 64.5 | 50.5  | 75.7  |
| 127       | 8.0  | 6.4   | 9.6   |

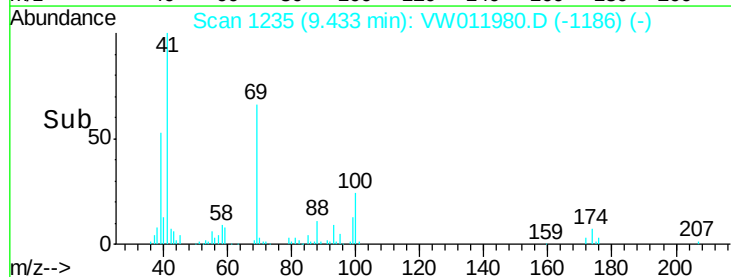
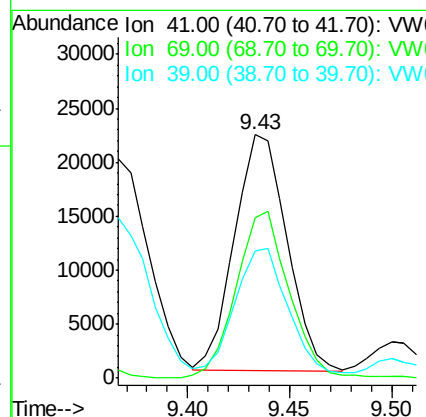
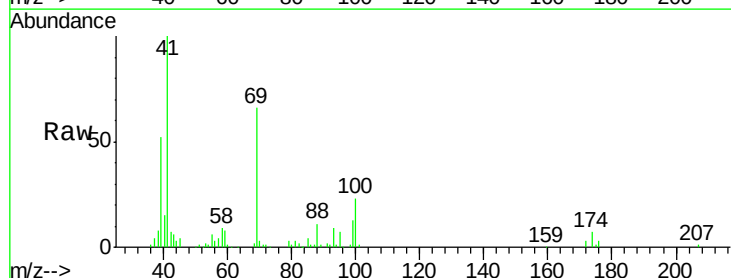
Manual Integrations  
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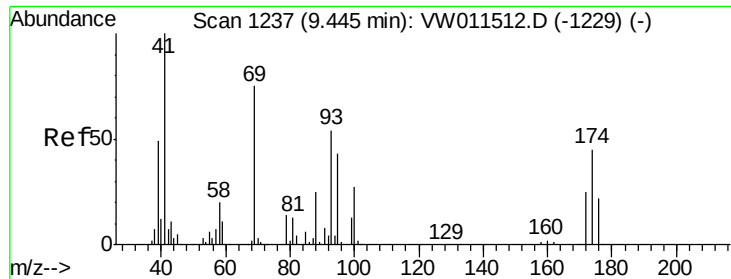
MMDadoda  
 8/20/2019 9:56:31 AM



#48  
 Methyl methacrylate  
 Concen: 18.420 ug/l  
 RT: 9.43 min Scan# 1235  
 Delta R.T. -0.00 min  
 Lab File: VW011980.D  
 Acq: 19 Aug 2019 10:22

| Tgt Ion   | 41   | Resp  | 39129 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 69        | 71.6 | 57.1  | 85.7  |
| 39        | 51.7 | 45.4  | 68.2  |





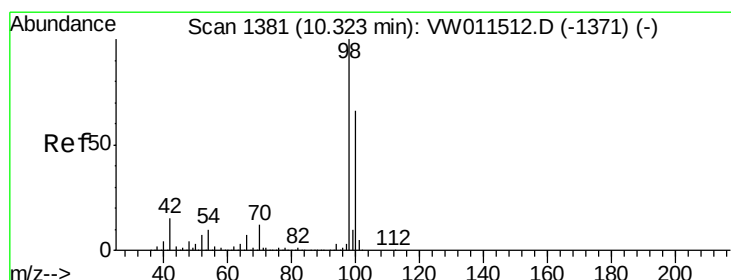
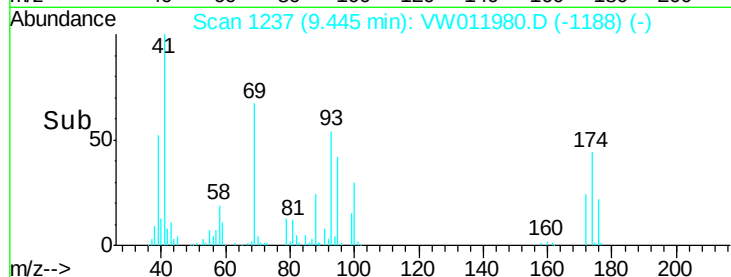
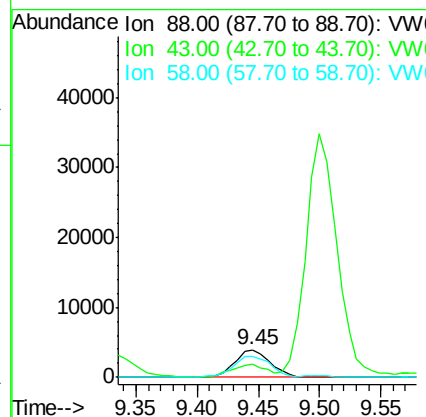
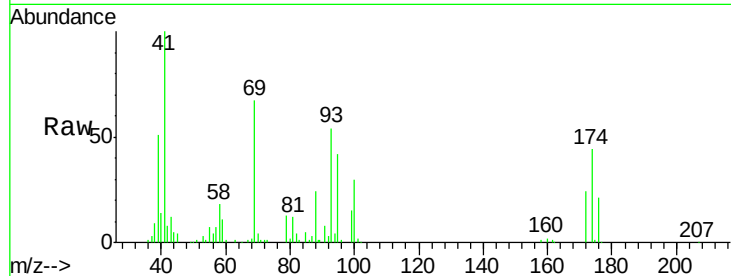
#49  
1,4-Dioxane  
Concen: 382.684 ug/l  
RT: 9.45 min Scan# 1237  
Delta R.T. -0.00 min  
Lab File: VW011980.D  
Acq: 19 Aug 2019 10:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0819SBS01

Tot Ion: 88 Resp: 7922  
Ion Ratio Lower Upper  
88 100  
43 42.5 34.0 51.0  
58 80.9 69.7 104.5

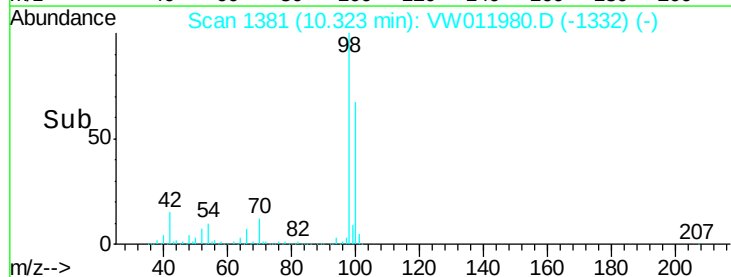
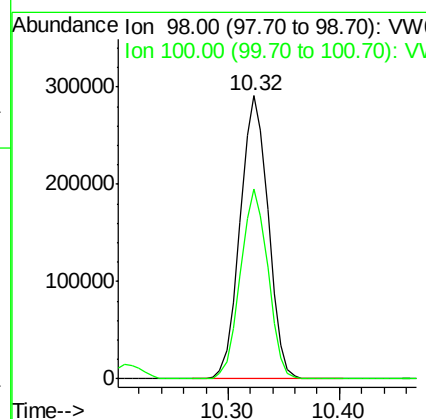
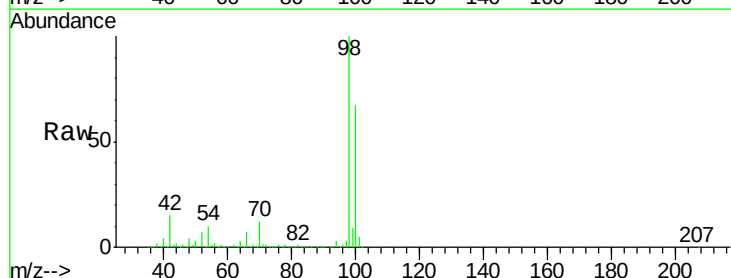
Manual Integrations  
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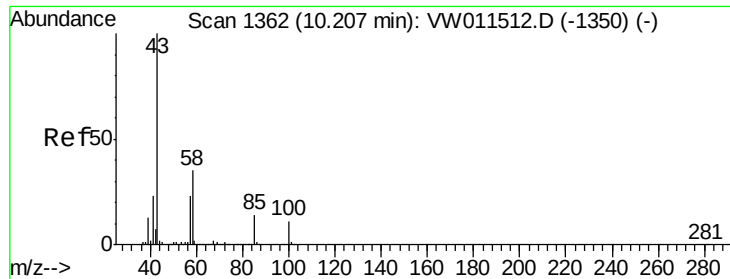
MMDadoda  
8/20/2019 9:56:31 AM



#50  
Toluene-d8  
Concen: 54.954 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. -0.00 min  
Lab File: VW011980.D  
Acq: 19 Aug 2019 10:22

Tgt Ion: 98 Resp: 507374  
Ion Ratio Lower Upper  
98 100  
100 65.7 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 89.826 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

Instrument :

MSVOA\_W

ClientSampleId :

VW0819SBS01

Tot Ion: 43 Resp: 206619

Ion Ratio Lower Upper

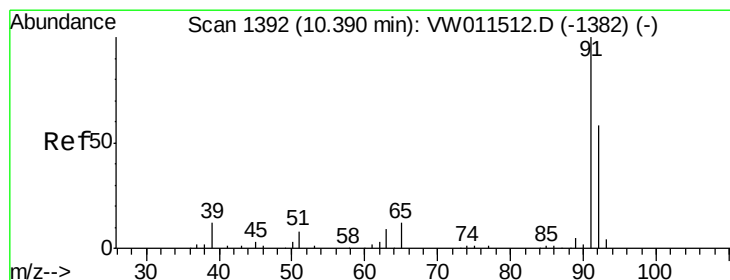
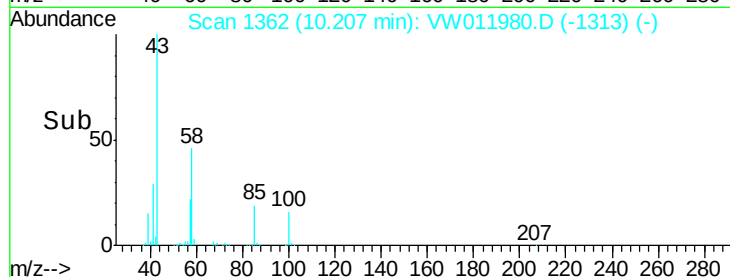
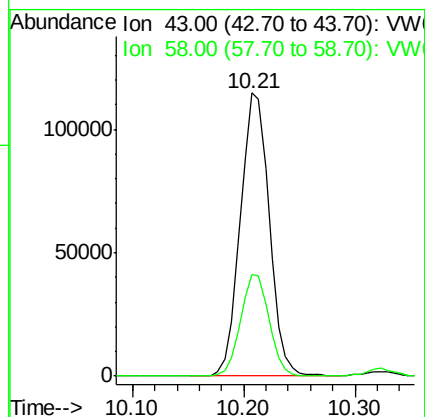
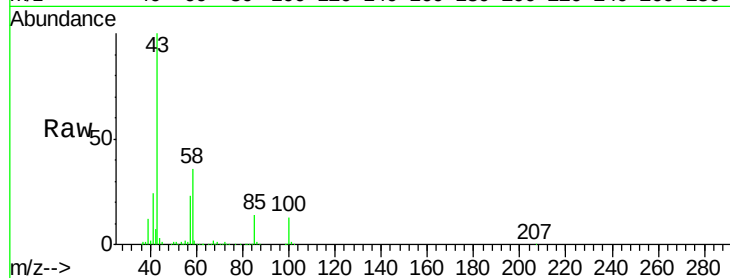
43 100

58 35.7 28.2 42.2

Manual Integrations  
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#52

Toluene

Concen: 19.729 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011980.D

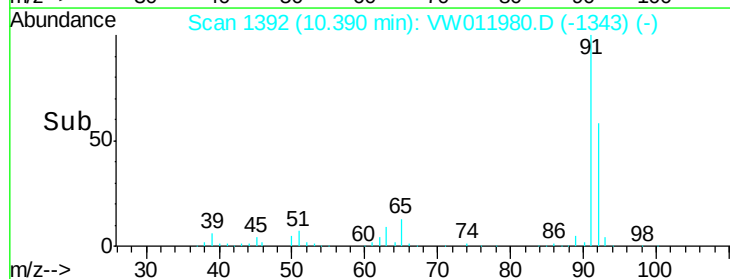
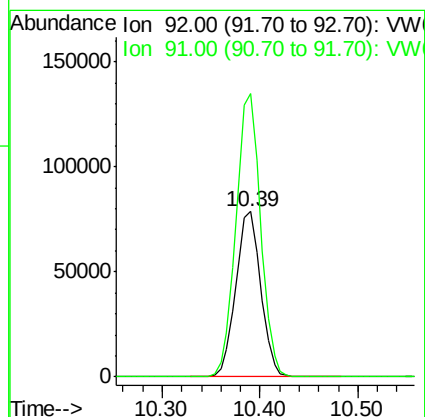
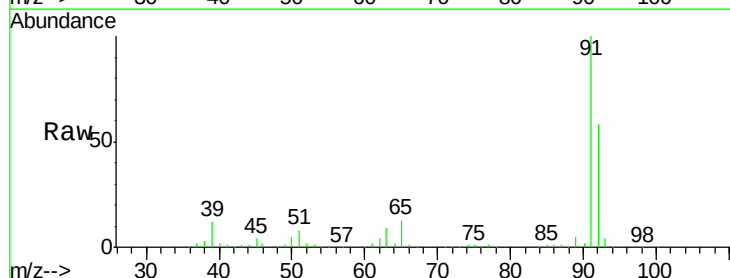
Acq: 19 Aug 2019 10:22

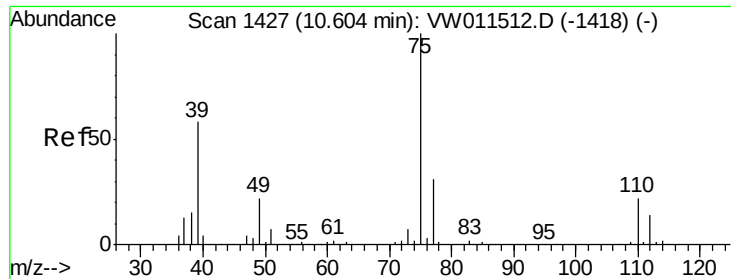
Tgt Ion: 92 Resp: 139485

Ion Ratio Lower Upper

92 100

91 169.7 136.7 205.1





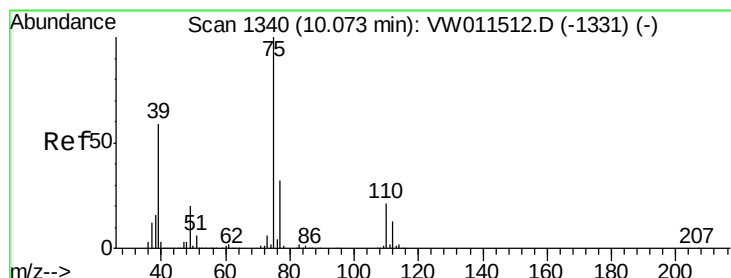
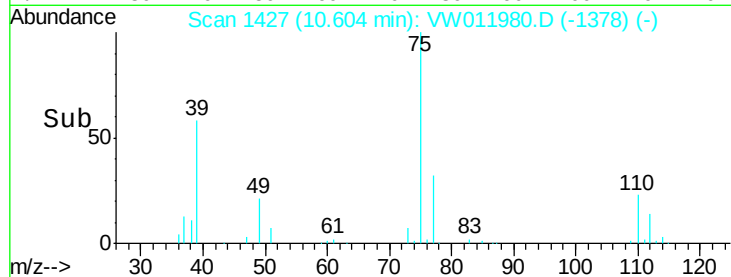
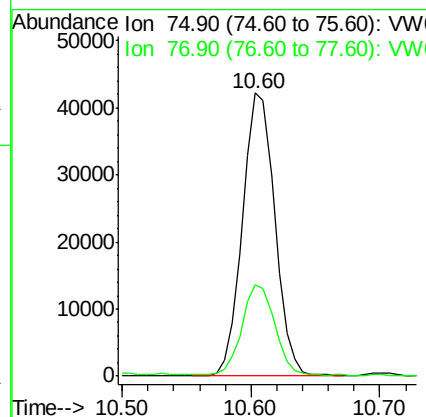
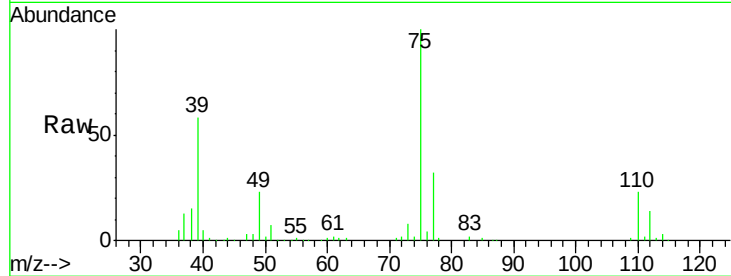
#53  
 t-1,3-Dichloropropene  
 Concen: 18.759 ug/l  
 RT: 10.60 min Scan# 1427  
 Delta R.T. -0.00 min  
 Lab File: VW011980.D  
 Acq: 19 Aug 2019 10:22

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0819SBS01

Tot Ion: 75 Resp: 73491  
 Ion Ratio Lower Upper  
 75 100  
 77 31.8 25.0 37.4

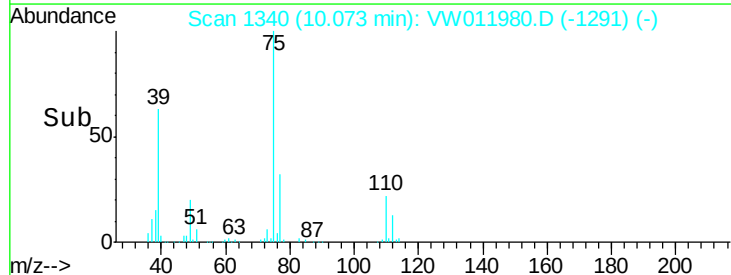
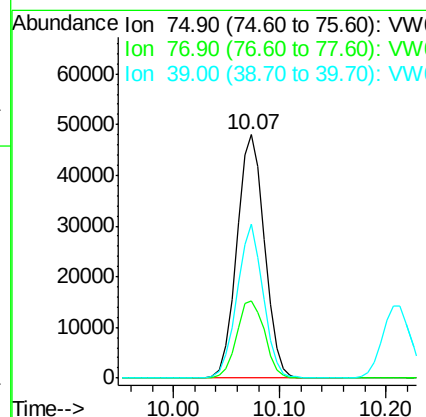
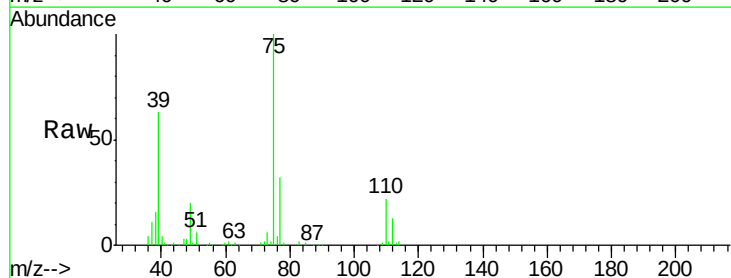
Manual Integrations  
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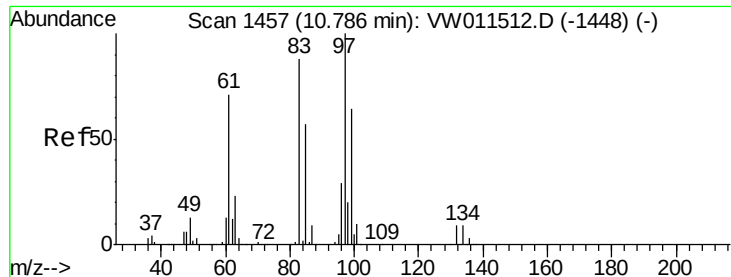


#54  
 cis-1,3-Dichloropropene  
 Concen: 18.767 ug/l  
 RT: 10.07 min Scan# 1340  
 Delta R.T. -0.00 min  
 Lab File: VW011980.D  
 Acq: 19 Aug 2019 10:22

Tgt Ion: 75 Resp: 87418  
 Ion Ratio Lower Upper  
 75 100  
 77 31.8 25.6 38.4  
 39 63.3 47.0 70.4







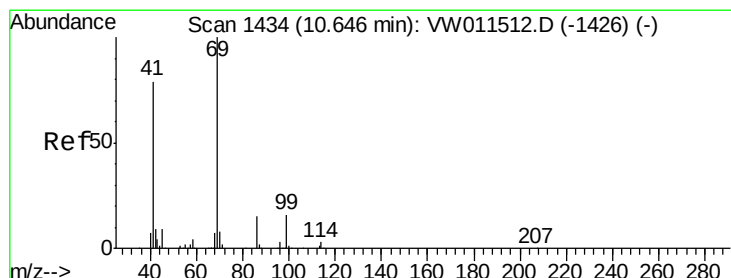
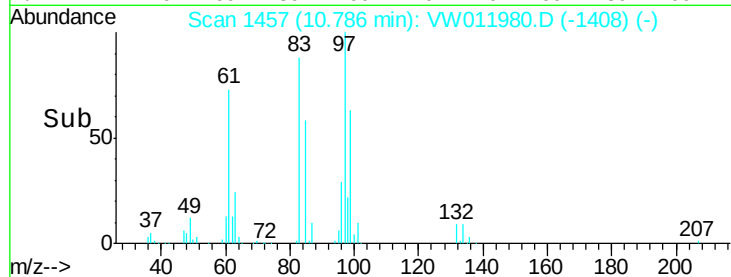
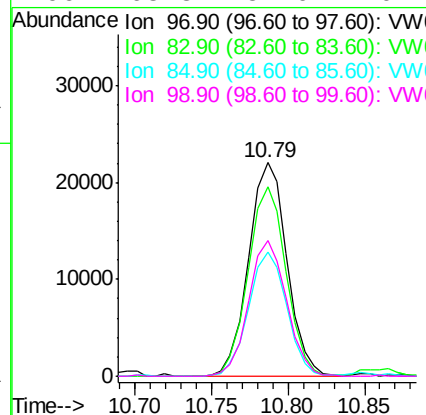
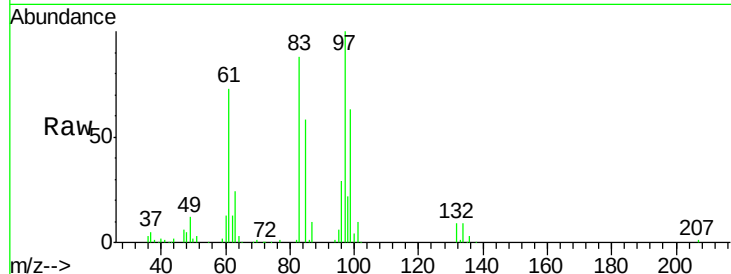
#55  
 1,1,2-Trichloroethane  
 Concen: 18.965 ug/l  
 RT: 10.79 min Scan# 1457  
 Delta R.T. -0.00 min  
 Lab File: VW011980.D  
 Acq: 19 Aug 2019 10:22

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0819SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 38471 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 88.4  | 70.5  | 105.7 |
| 85       | 58.0  | 45.8  | 68.6  |
| 99       | 63.3  | 51.0  | 76.4  |

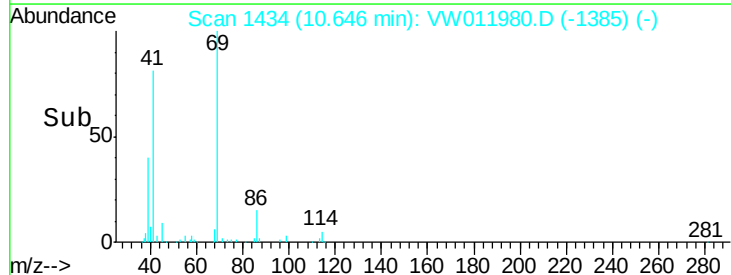
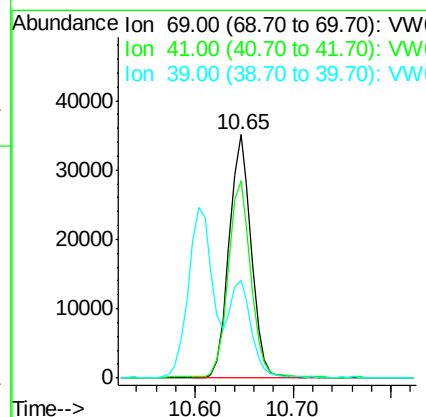
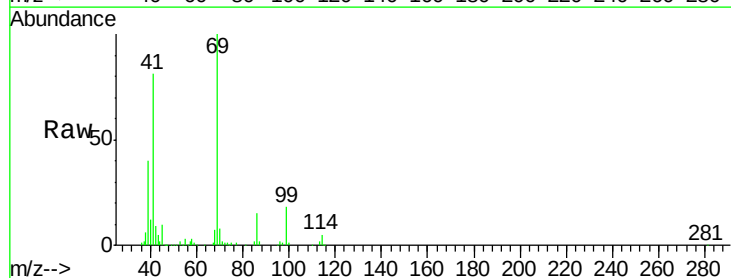
Manual Integrations  
 APPROVED

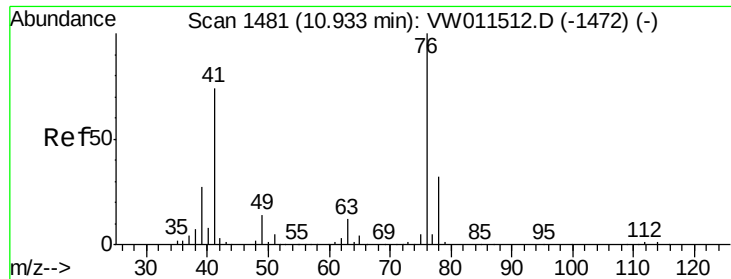
MMDadoda  
 8/20/2019 9:56:31 AM



#56  
 Ethyl methacrylate  
 Concen: 18.681 ug/l  
 RT: 10.65 min Scan# 1434  
 Delta R.T. -0.00 min  
 Lab File: VW011980.D  
 Acq: 19 Aug 2019 10:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 55453 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 81.2  | 66.6  | 99.8  |
| 39       | 38.6  | 30.3  | 45.5  |





#57

1,3-Dichloropropane

Concen: 19.108 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

Instrument :

MSVOA\_W

ClientSampleId :

VW0819SBS01

Tot Ion: 76 Resp: 73331

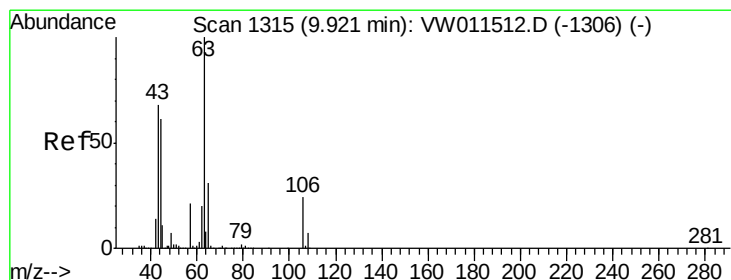
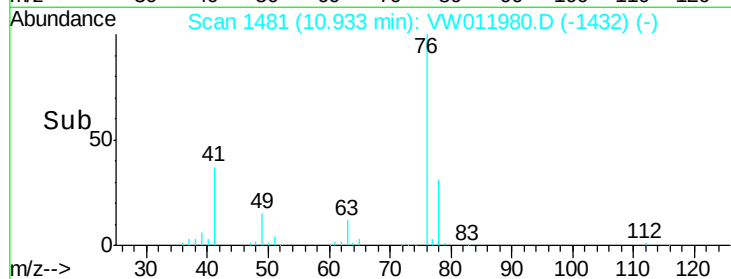
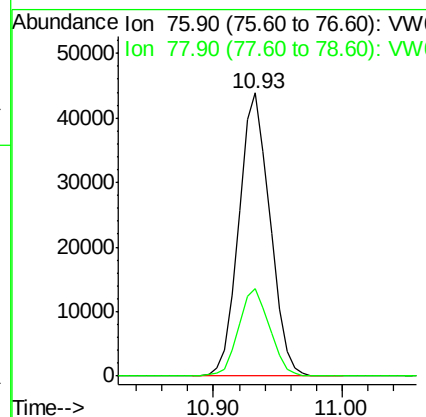
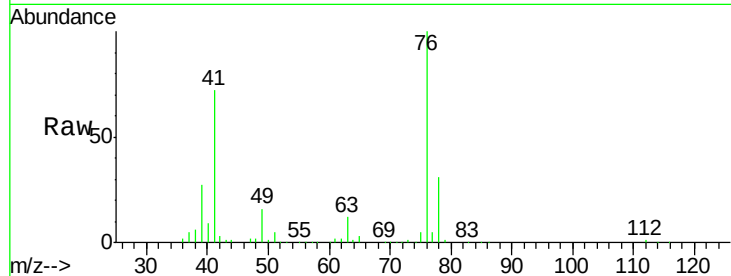
Ion Ratio Lower Upper

76 100

78 31.1 25.2 37.8

Manual Integrations  
APPROVED

MMDadoda  
8/20/2019 9:56:31 AM



#58

2-Chloroethyl Vinyl ether

Concen: 106.216 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW011980.D

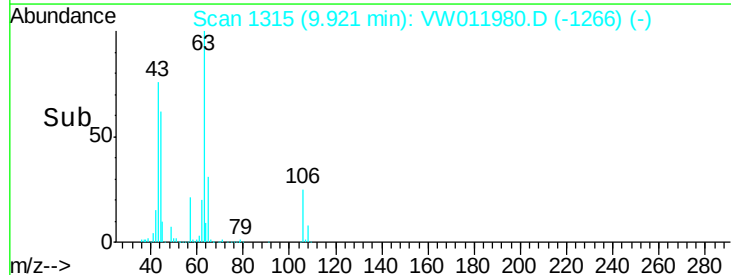
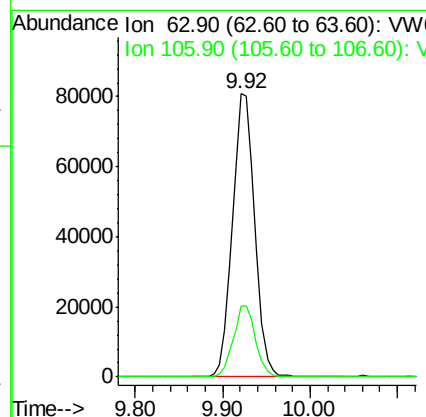
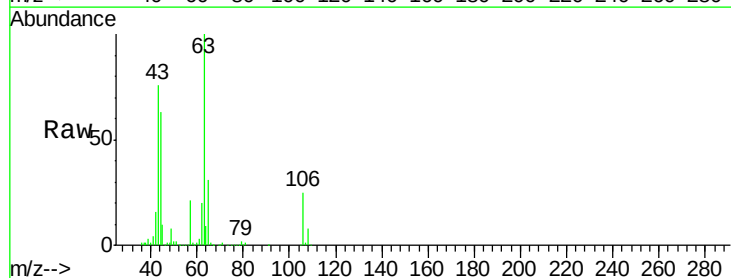
Acq: 19 Aug 2019 10:22

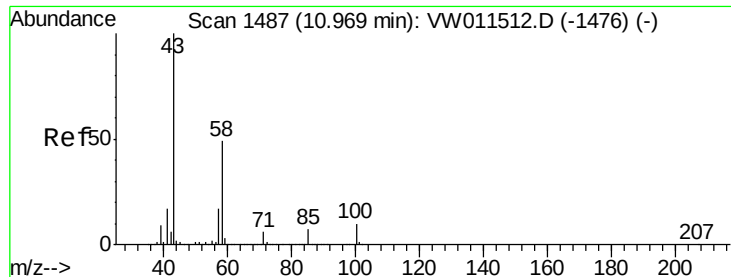
Tgt Ion: 63 Resp: 143154

Ion Ratio Lower Upper

63 100

106 24.9 19.7 29.5





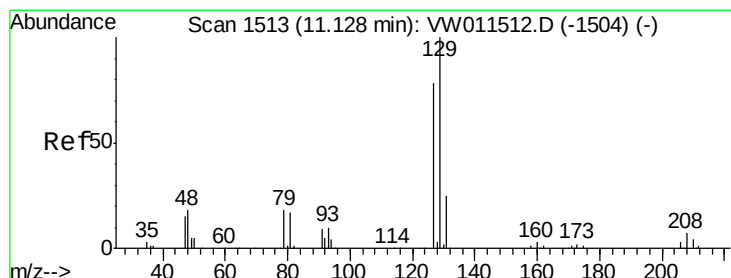
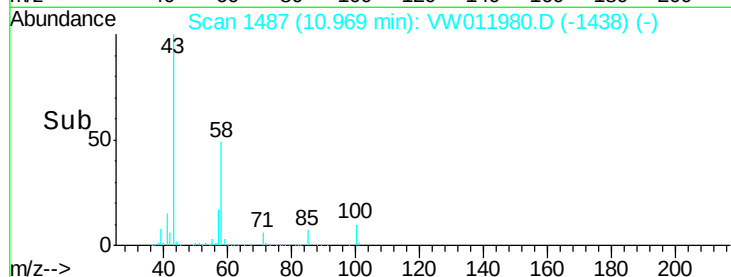
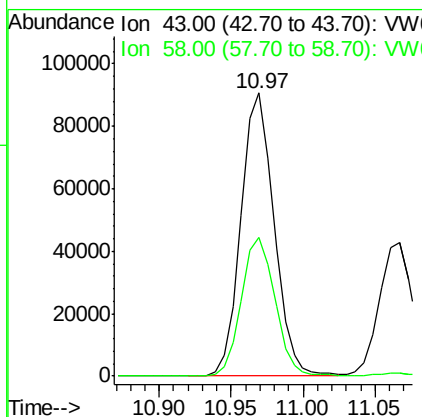
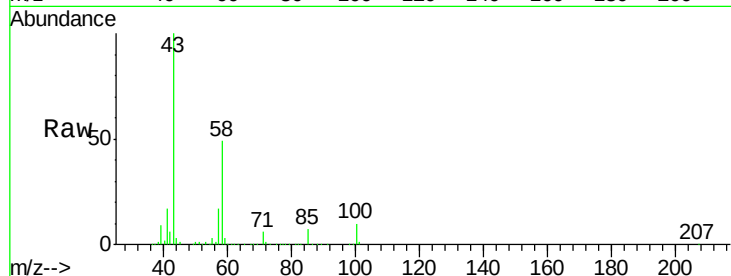
#59  
2-Hexanone  
Concen: 89.491 ug/l  
RT: 10.97 min Scan# 1487  
Delta R.T. -0.00 min  
Lab File: VW011980.D  
Acq: 19 Aug 2019 10:22

Instrument :  
MSVOA\_W  
ClientSampled :  
VW0819SBS01

| Tot Ion   | 43 | Resp | 145343 |
|-----------|----|------|--------|
| Ion Ratio | 43 | 100  |        |
| Lower     | 58 | 49.6 | 24.3   |
| Upper     |    |      | 72.9   |

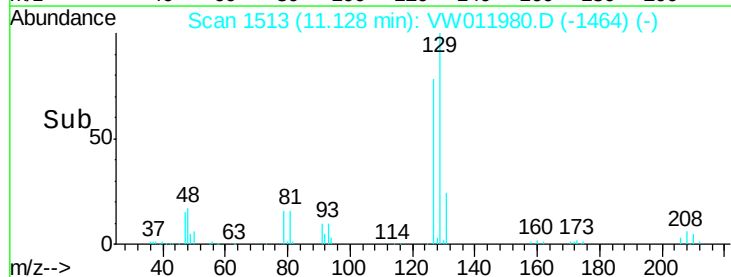
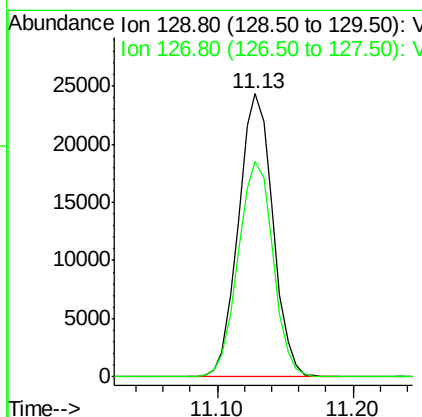
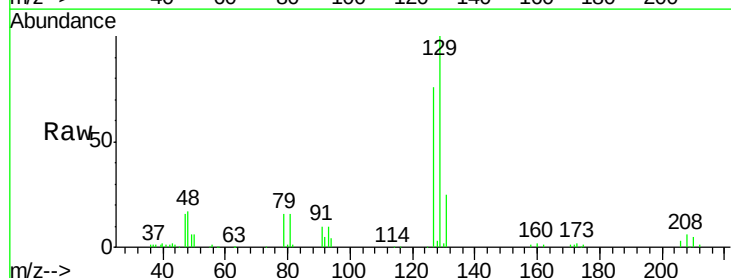
Manual Integrations  
APPROVED

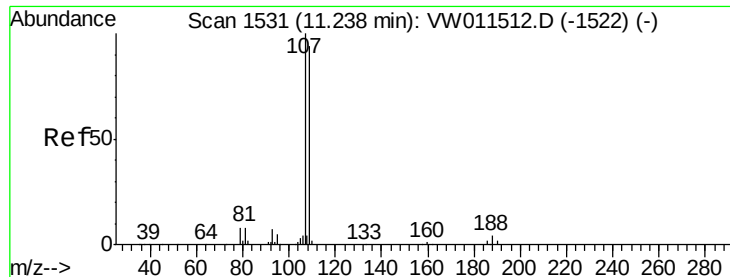
MMDadoda  
8/20/2019 9:56:31 AM



#60  
Dibromochloromethane  
Concen: 19.088 ug/l  
RT: 11.13 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: VW011980.D  
Acq: 19 Aug 2019 10:22

| Tgt Ion   | 129 | Resp | 42980 |
|-----------|-----|------|-------|
| Ion Ratio | 129 | 100  |       |
| Lower     | 127 | 77.3 | 38.9  |
| Upper     |     |      | 116.7 |





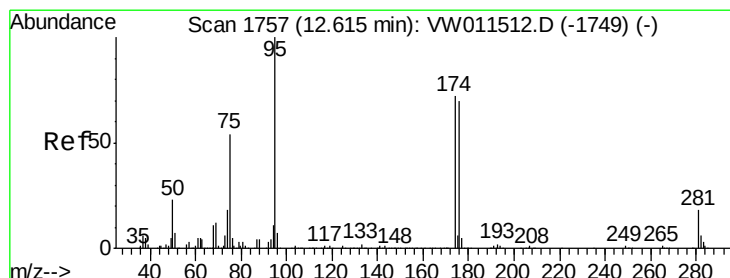
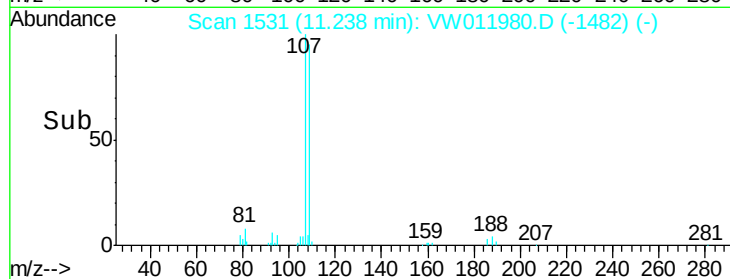
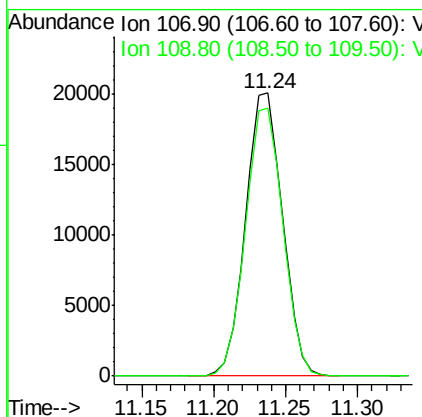
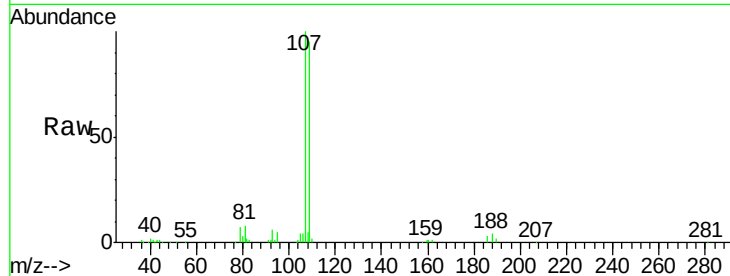
#61  
 1,2-Dibromoethane  
 Concen: 18.581 ug/l  
 RT: 11.24 min Scan# 1531  
 Delta R.T. -0.00 min  
 Lab File: VW011980.D  
 Acq: 19 Aug 2019 10:22

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0819SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 96.0  | 75.0  | 112.6 |

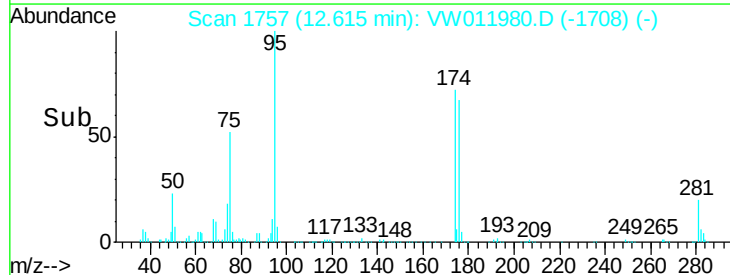
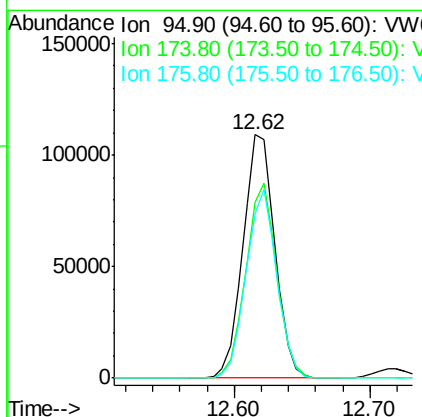
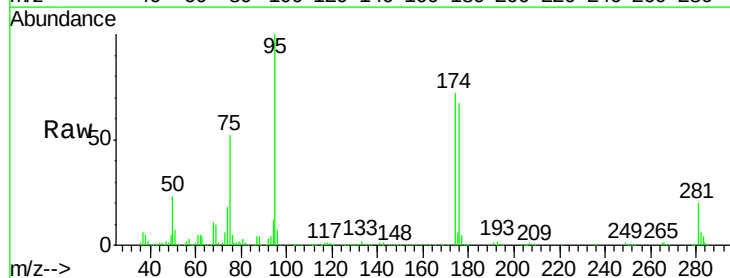
Manual Integrations  
 APPROVED

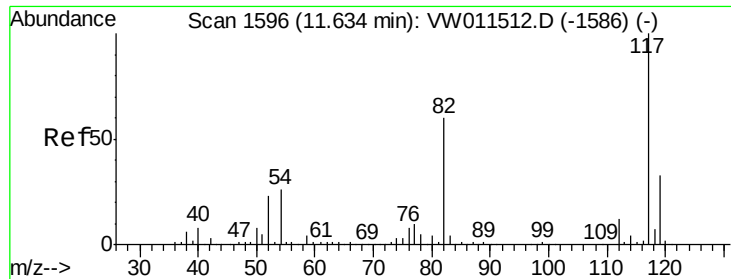
MMDadoda  
 8/20/2019 9:56:31 AM



#62  
 4-Bromofluorobenzene  
 Concen: 54.258 ug/l  
 RT: 12.62 min Scan# 1757  
 Delta R.T. -0.00 min  
 Lab File: VW011980.D  
 Acq: 19 Aug 2019 10:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 78.0  | 0.0   | 150.2 |
| 176     | 74.9  | 0.0   | 144.4 |





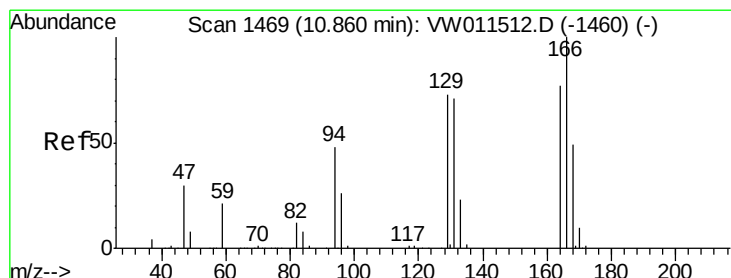
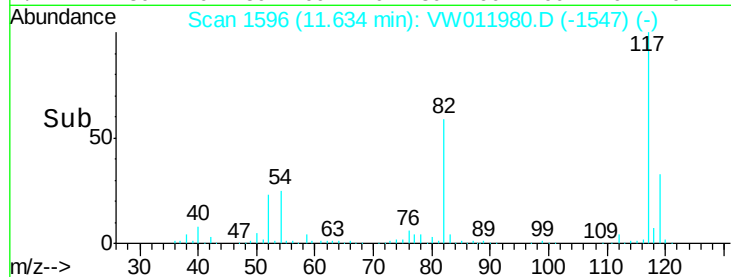
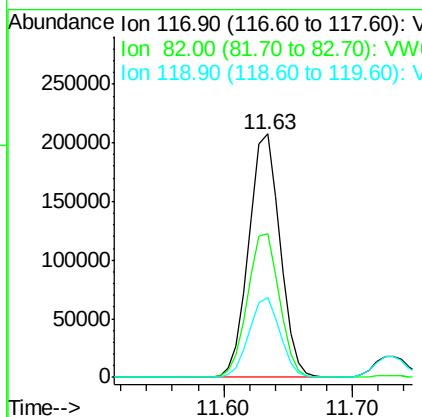
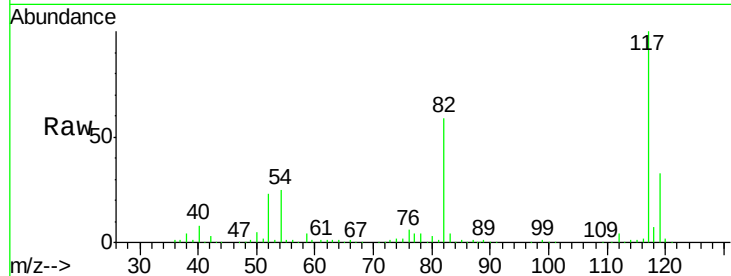
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW011980.D  
Acq: 19 Aug 2019 10:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0819SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 346806 |       |       |
| 82      | 58.8  | 47.9   | 71.9  |       |
| 119     | 32.6  | 26.2   | 39.2  |       |

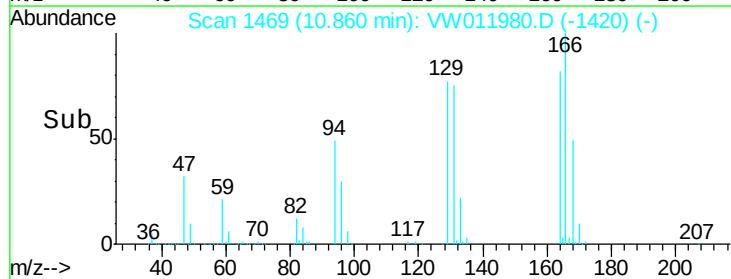
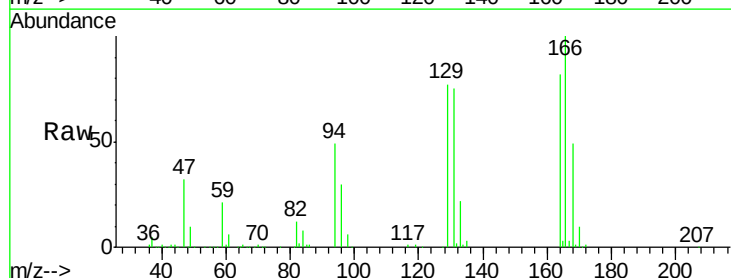
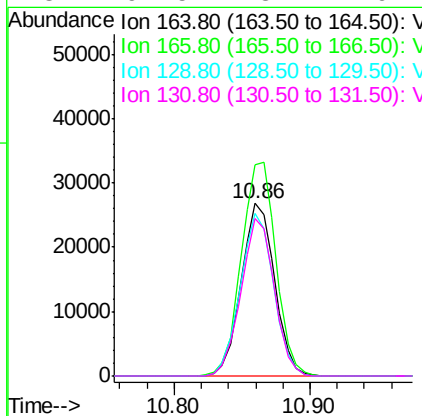
Manual Integrations  
APPROVED

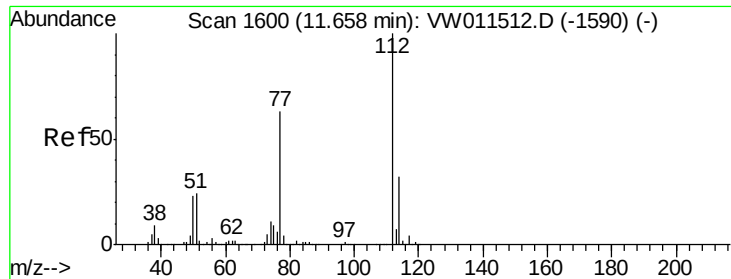
MMDadoda  
8/20/2019 9:56:31 AM



#64  
Tetrachloroethene  
Concen: 20.420 ug/l  
RT: 10.86 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VW011980.D  
Acq: 19 Aug 2019 10:22

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 46109 |       |       |
| 166     | 122.3 | 103.5 | 155.3 |       |
| 129     | 93.9  | 75.2  | 112.8 |       |
| 131     | 91.5  | 73.4  | 110.2 |       |





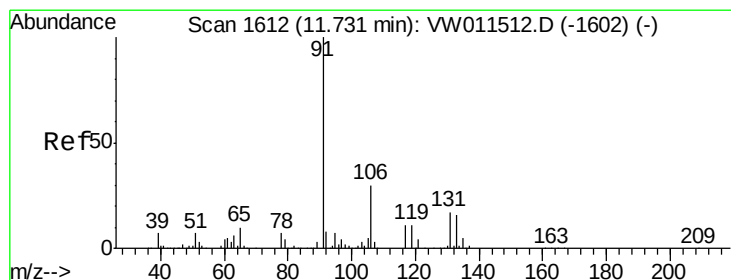
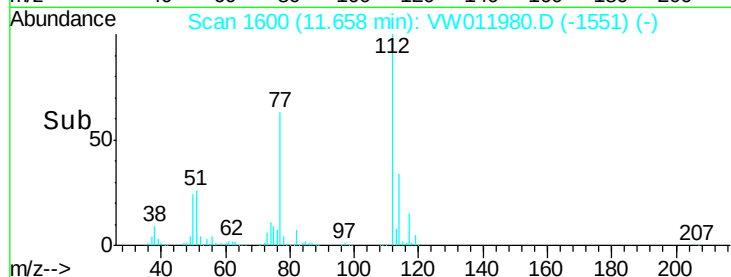
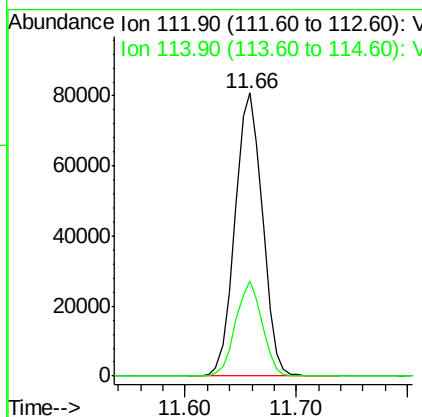
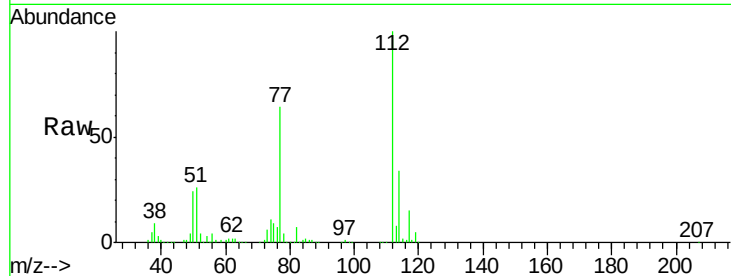
#65  
Chlorobenzene  
Concen: 19.744 ug/l  
RT: 11.66 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: VW011980.D  
Acq: 19 Aug 2019 10:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0819SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 33.7  | 25.6  | 38.4  |

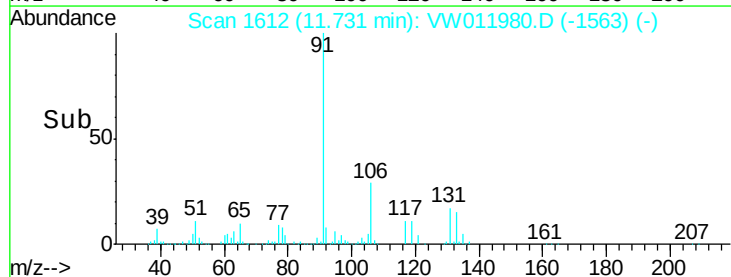
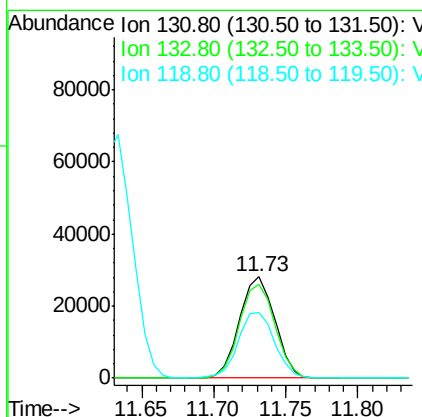
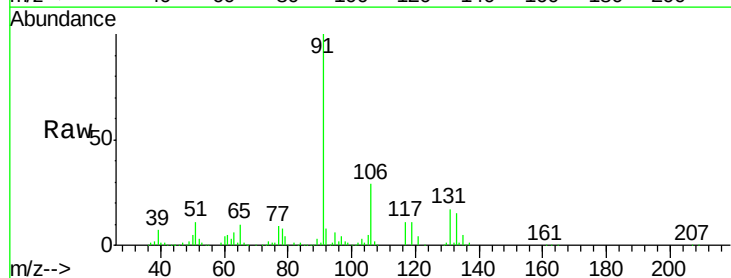
Manual Integrations  
APPROVED

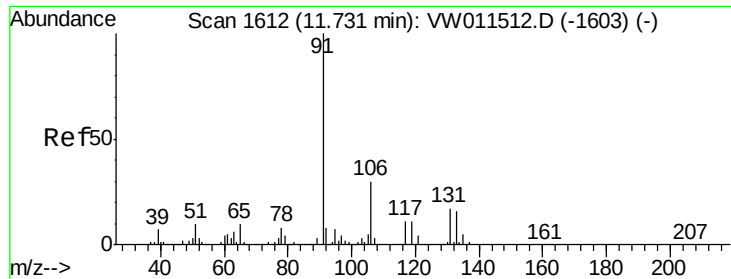
MMDadoda  
8/20/2019 9:56:31 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.939 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.00 min  
Lab File: VW011980.D  
Acq: 19 Aug 2019 10:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 92.7  | 47.4  | 142.2 |
| 119     | 66.5  | 32.3  | 96.9  |





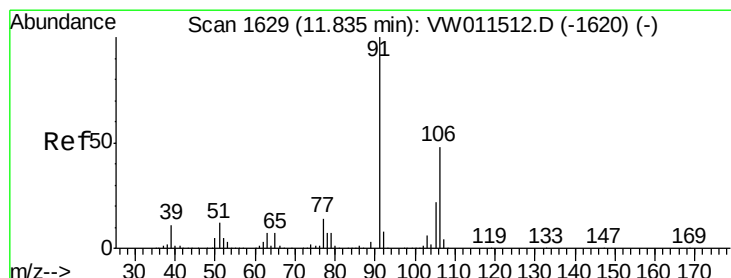
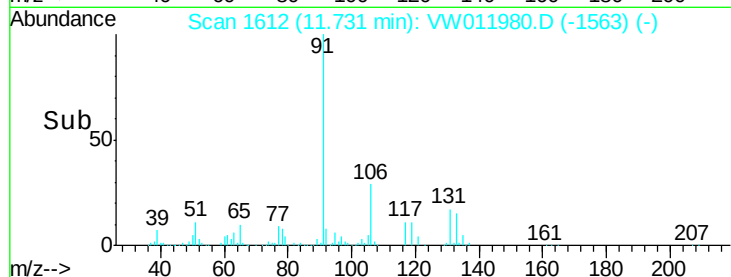
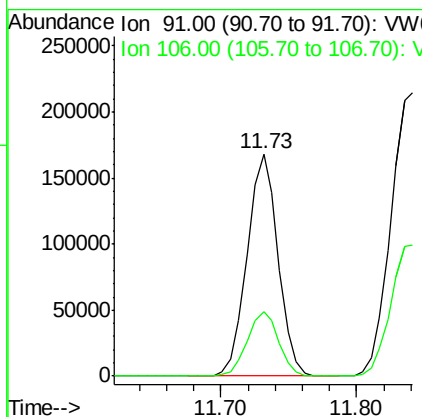
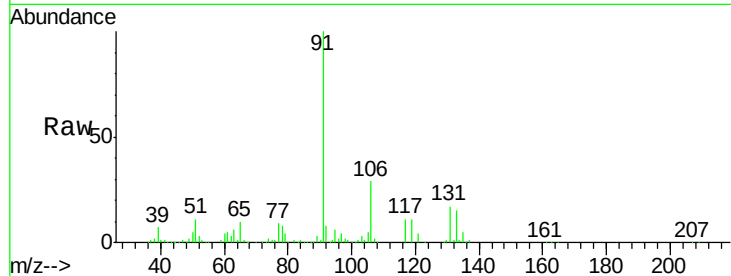
#67  
Ethyl Benzene  
Concen: 20.189 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.00 min  
Lab File: VW011980.D  
Acq: 19 Aug 2019 10:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0819SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 106     | 29.2  | 23.8  | 35.6  |

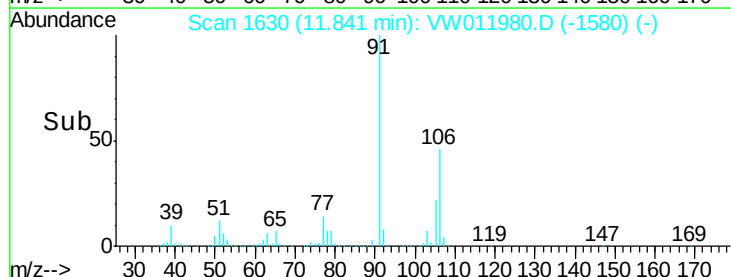
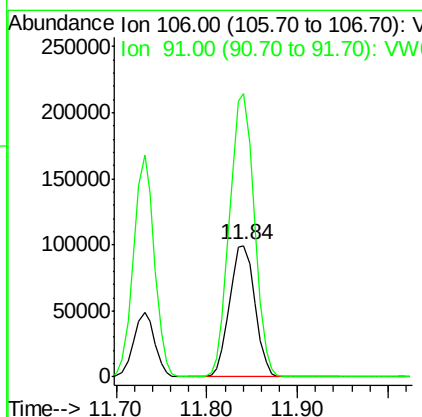
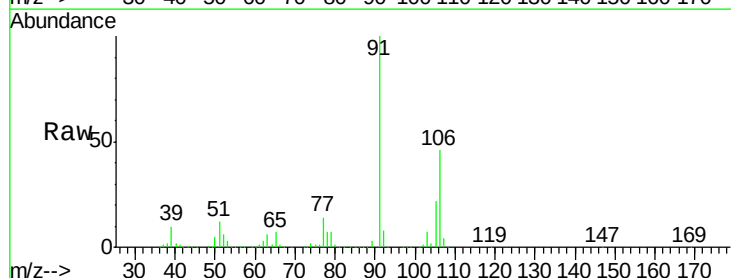
Manual Integrations  
APPROVED

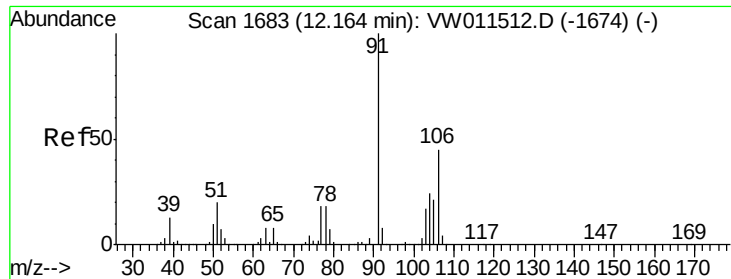
MMDadoda  
8/20/2019 9:56:31 AM



#68  
m/p-Xylenes  
Concen: 40.175 ug/l  
RT: 11.84 min Scan# 1630  
Delta R.T. 0.01 min  
Lab File: VW011980.D  
Acq: 19 Aug 2019 10:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 210.3 | 168.2 | 252.2 |





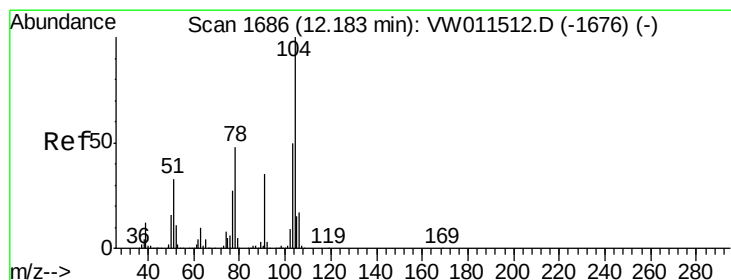
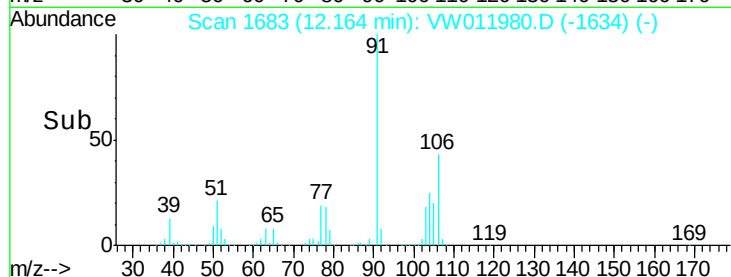
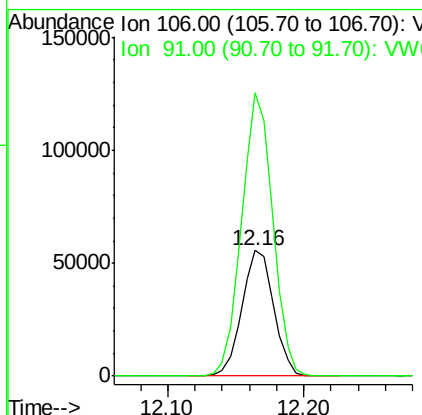
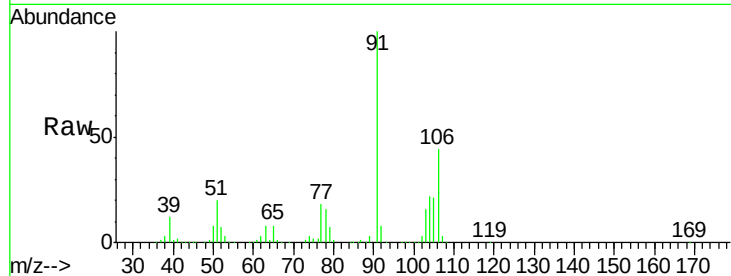
#69  
o-Xylene  
Concen: 20.246 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. -0.00 min  
Lab File: VW011980.D  
Acq: 19 Aug 2019 10:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0819SBS01

Tot Ion:106 Resp: 90857  
Ion Ratio Lower Upper  
106 100  
91 220.9 110.5 331.5

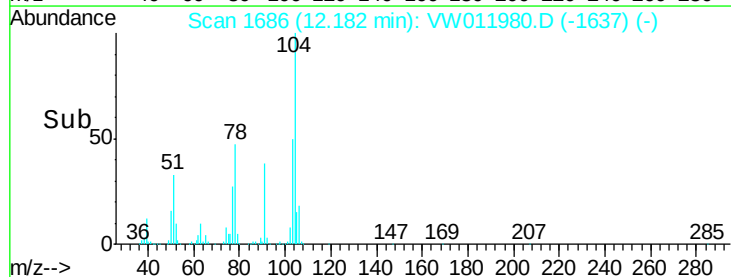
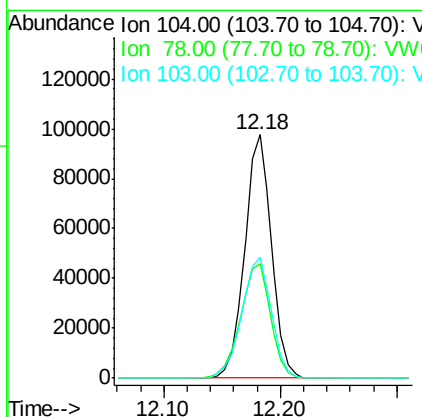
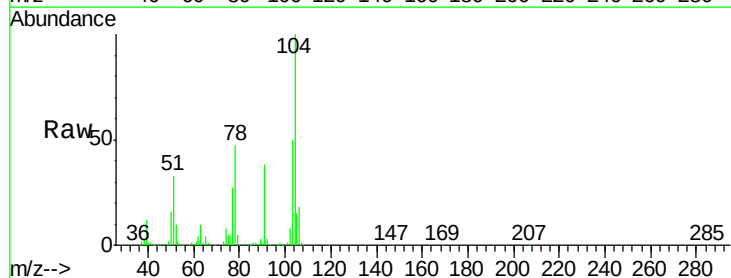
Manual Integrations  
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8/20/2019 9:56:31 AM

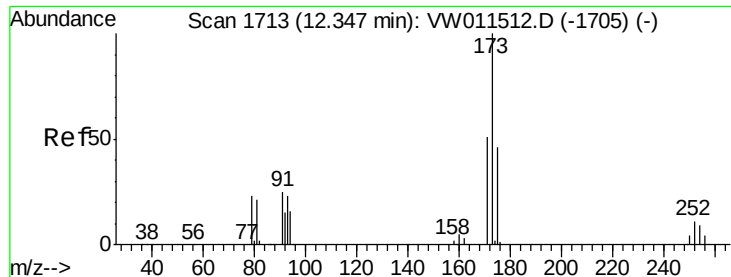


#70  
Styrene  
Concen: 20.087 ug/l  
RT: 12.18 min Scan# 1686  
Delta R.T. -0.00 min  
Lab File: VW011980.D  
Acq: 19 Aug 2019 10:22

Tgt Ion:104 Resp: 155856  
Ion Ratio Lower Upper  
104 100  
78 52.9 43.4 65.0  
103 54.9 43.9 65.9







#71

Bromoform

Concen: 19.284 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

Instrument :

MSVOA\_W

ClientSampleId :

VW0819SBSD01

Tot Ion:173 Resp: 23879

Ion Ratio Lower Upper

173 100

175 49.1 23.6 71.0

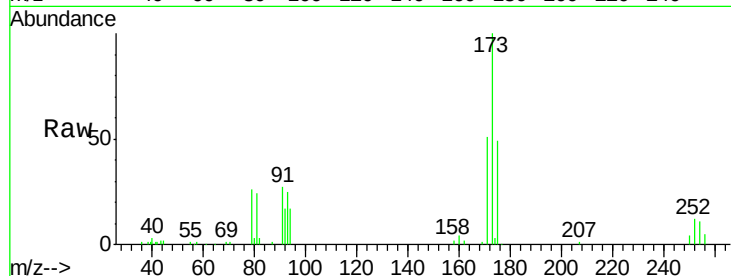
254 0.0 0.1 0.1#

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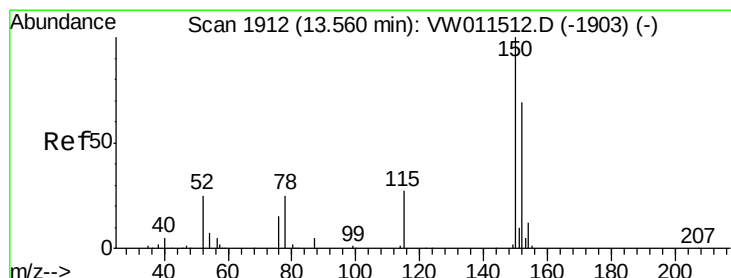
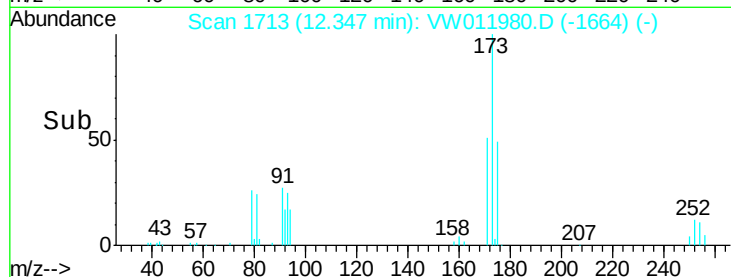
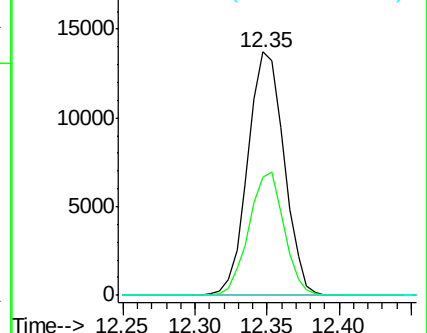
8/20/2019 9:56:31 AM



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: VW011980.D

Acq: 19 Aug 2019 10:22

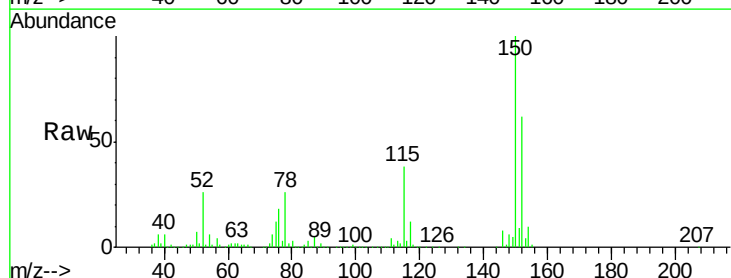
Tgt Ion:152 Resp: 167949

Ion Ratio Lower Upper

152 100

115 59.9 30.5 91.5

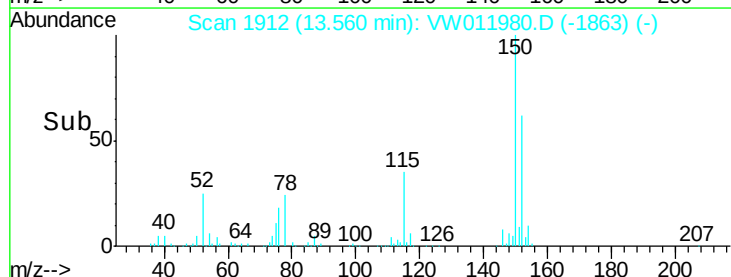
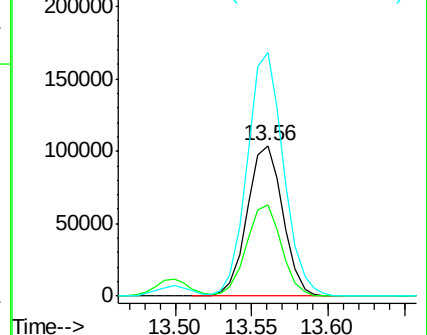
150 165.0 0.0 352.6

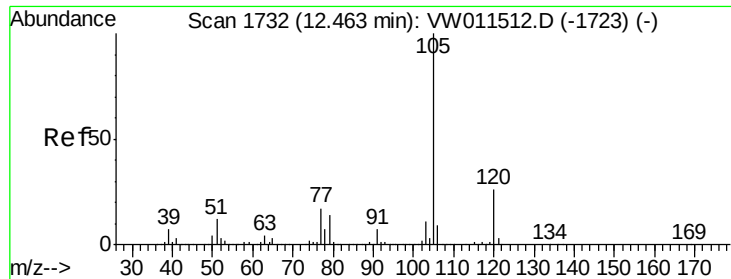


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





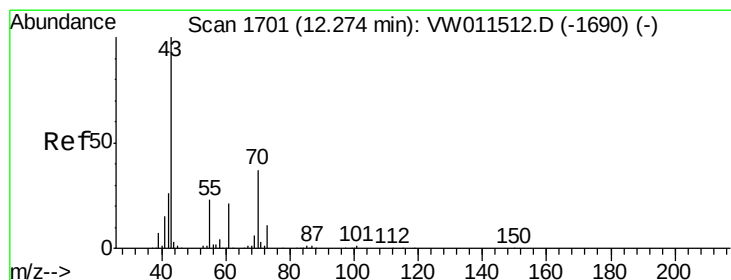
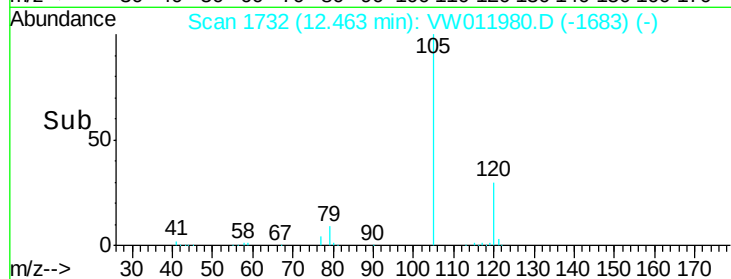
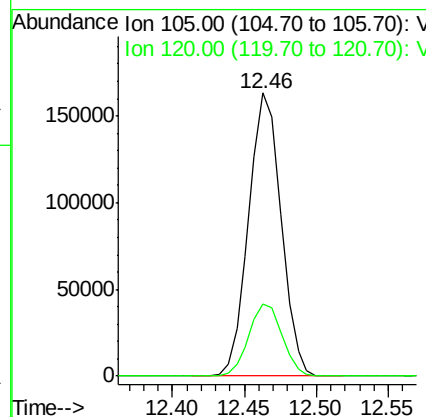
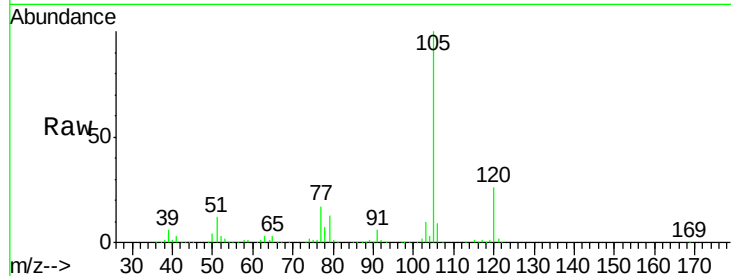
#73  
Isopropylbenzene  
Concen: 20.357 ug/l  
RT: 12.46 min Scan# 1732  
Delta R.T. -0.00 min  
Lab File: VW011980.D  
Acq: 19 Aug 2019 10:22

Instrument :  
MSVOA\_W  
ClientSampled :  
VW0819SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 255061 |       |       |
| 120     | 26.1  | 12.9   | 38.7  |       |

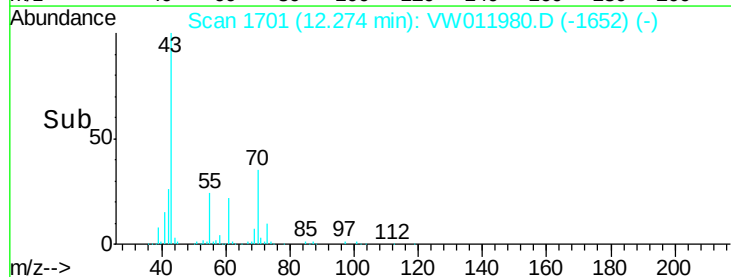
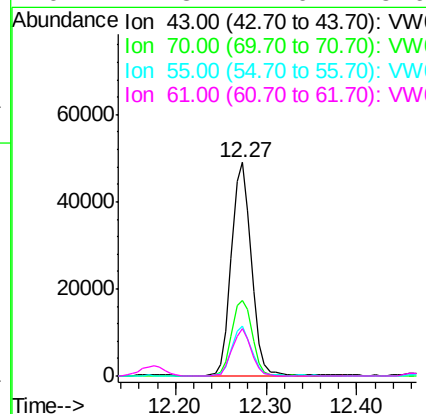
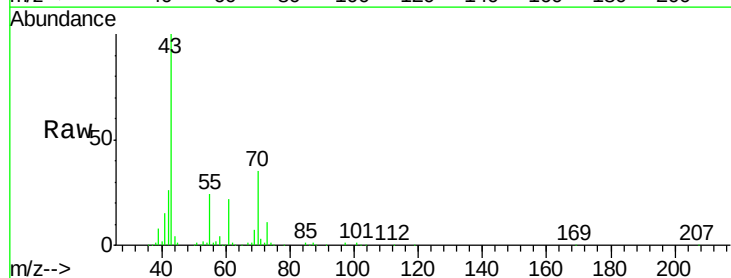
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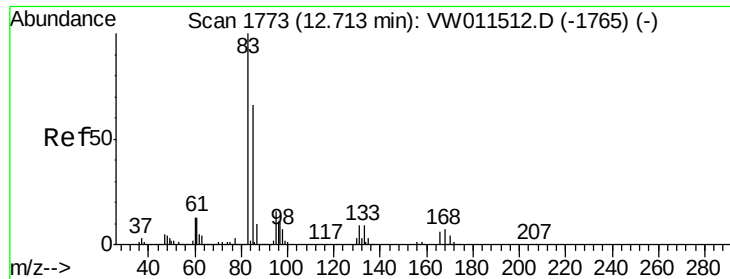
MMDadoda  
8/20/2019 9:56:31 AM



#74  
N-ethyl acetate  
Concen: 19.127 ug/l  
RT: 12.27 min Scan# 1701  
Delta R.T. -0.00 min  
Lab File: VW011980.D  
Acq: 19 Aug 2019 10:22

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 43      | 100   | 75029 |       |       |
| 70      | 36.7  | 28.6  | 43.0  |       |
| 55      | 23.2  | 17.8  | 26.8  |       |
| 61      | 21.3  | 17.0  | 25.6  |       |





#75

1,1,2,2-Tetrachloroethane

Concen: 19.521 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

Instrument :

MSVOA\_W

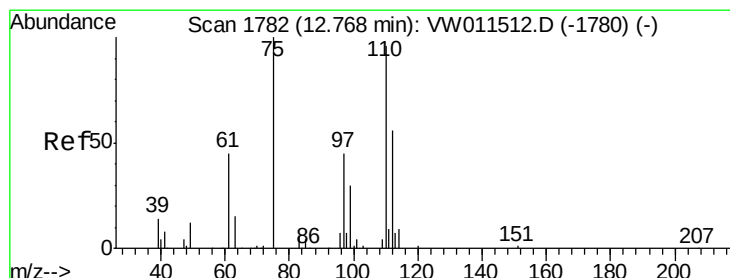
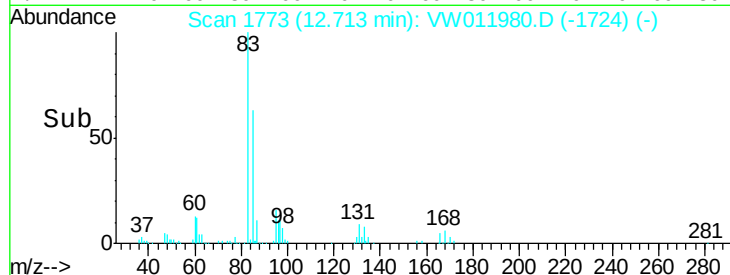
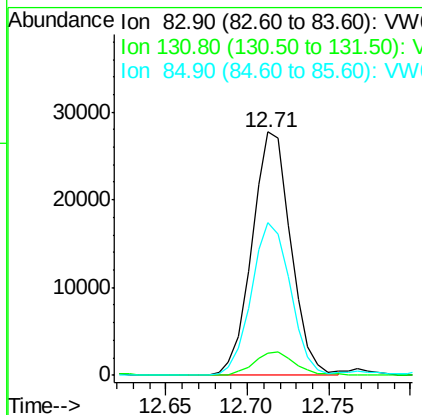
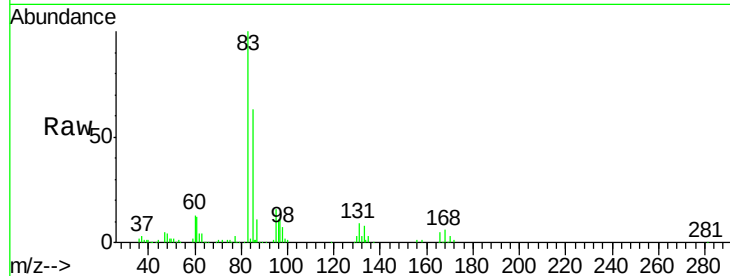
ClientSampleId :

VW0819SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 46006 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 10.3  | 4.9   | 14.6  |
| 85        | 63.2  | 31.8  | 95.4  |

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#76

1,2,3-Trichloropropane

Concen: 17.971 ug/l m

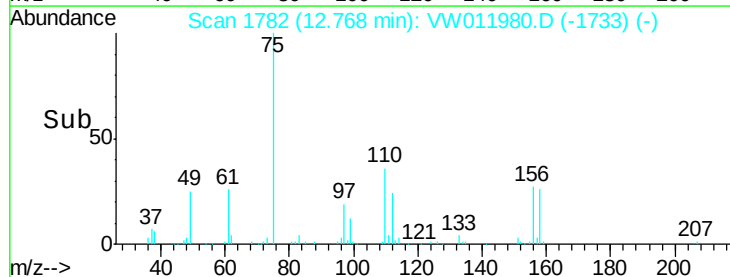
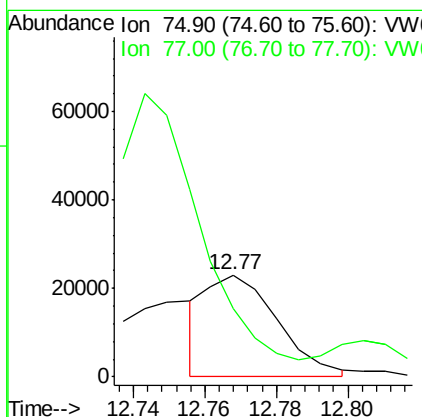
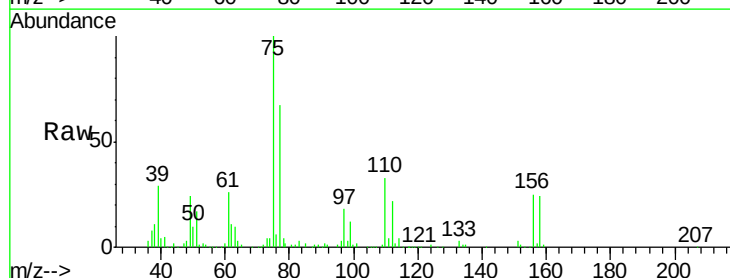
RT: 12.77 min Scan# 1782

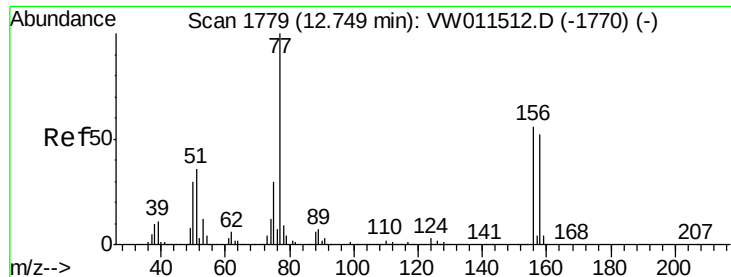
Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 31936 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 20.043 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

Instrument :

MSVOA\_W

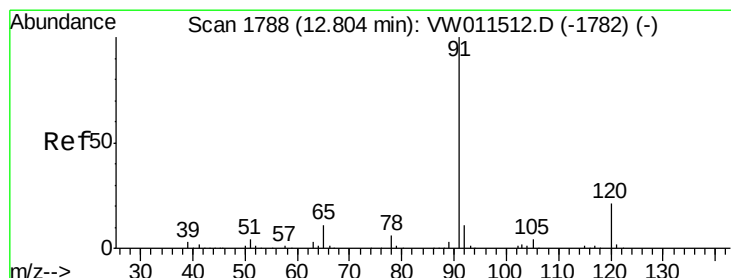
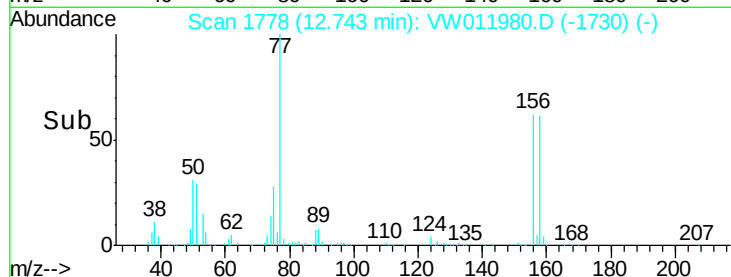
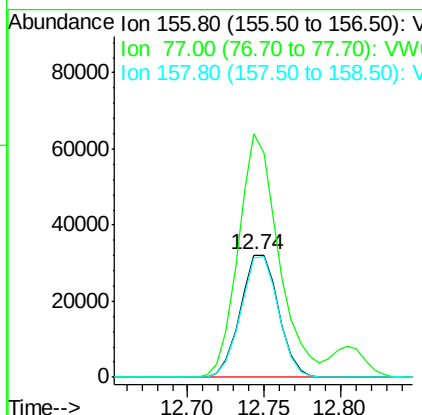
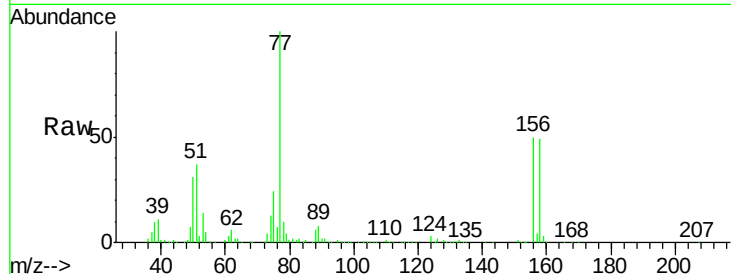
ClientSampleId :

VW0819SBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 156   | Resp: | 55507 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 210.6 | 106.5 | 319.4 |
| 158       | 97.5  | 48.0  | 144.2 |

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#78

n-propylbenzene

Concen: 20.480 ug/l

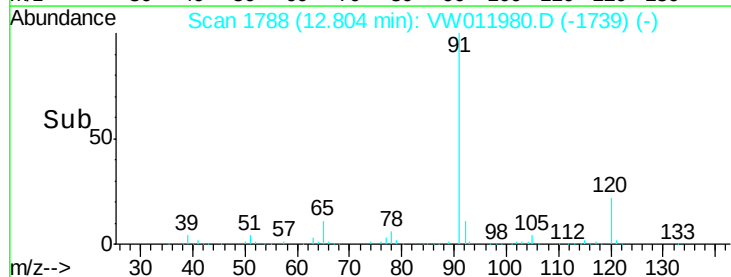
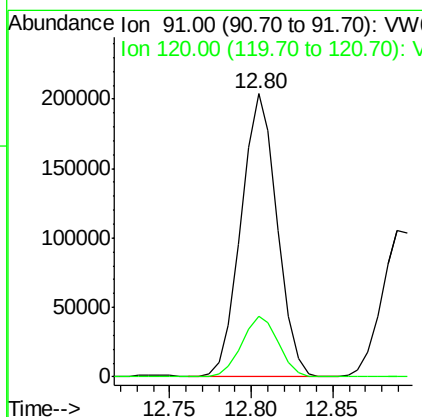
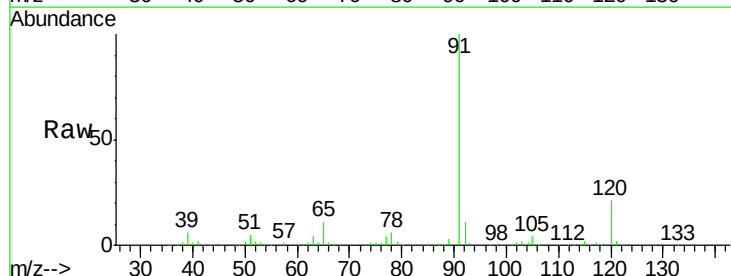
RT: 12.80 min Scan# 1788

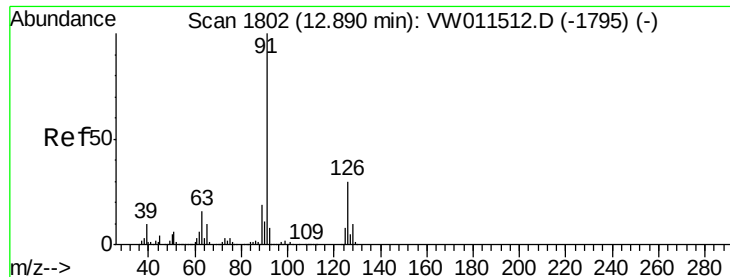
Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 312288 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 21.7  | 10.9  | 32.7   |





#79

2-Chlorotoluene

Concen: 19.871 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

Instrument :

MSVOA\_W

ClientSampleId :

VW0819SBS01

Tot Ion: 91 Resp: 174562

Ion Ratio Lower Upper

91 100

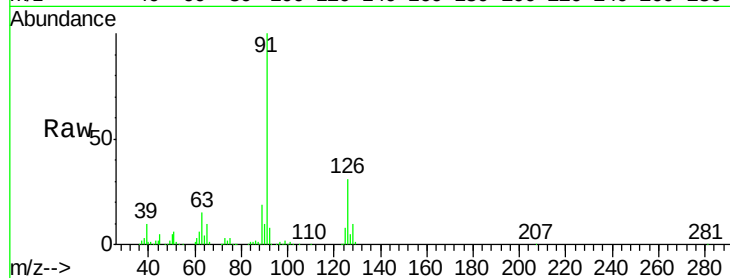
126 31.7 15.7 47.1

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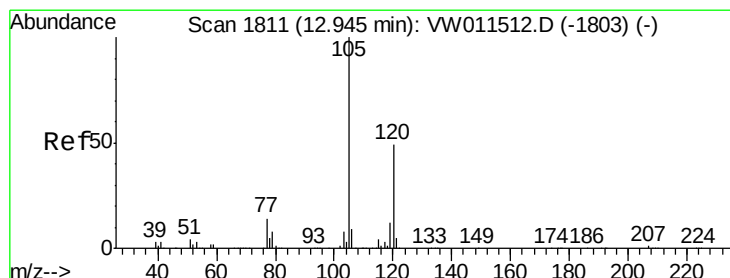
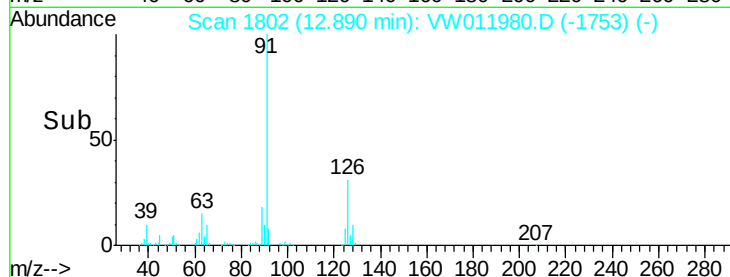
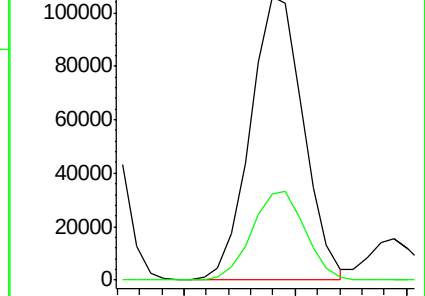
8/20/2019 9:56:31 AM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

12.89



#80

1,3,5-Trimethylbenzene

Concen: 20.439 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011980.D

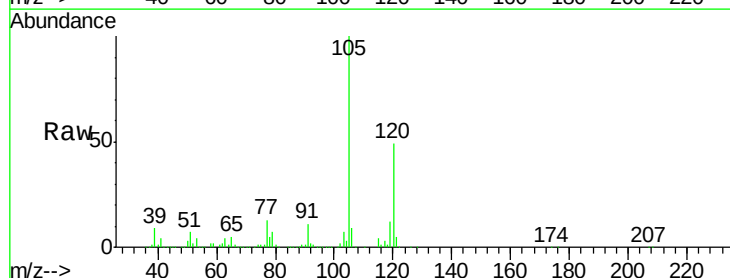
Acq: 19 Aug 2019 10:22

Tgt Ion:105 Resp: 214663

Ion Ratio Lower Upper

105 100

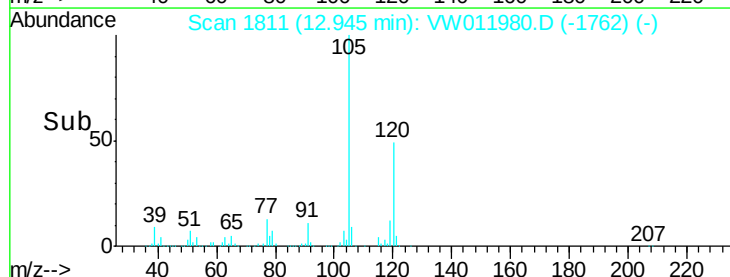
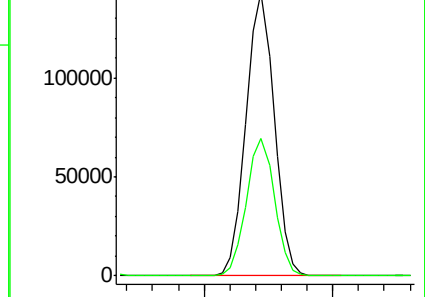
120 48.8 24.1 72.3

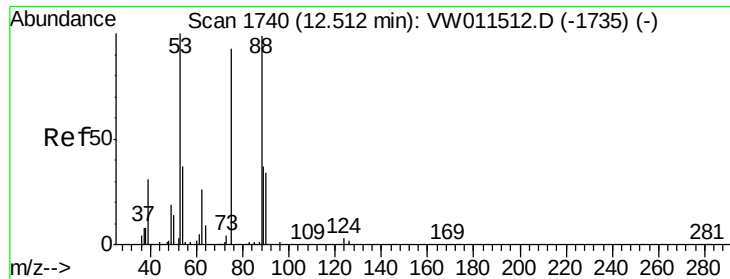


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.94





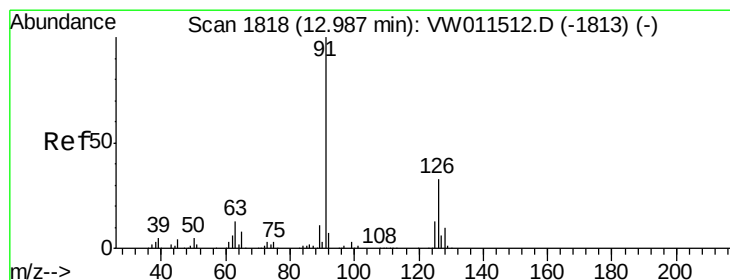
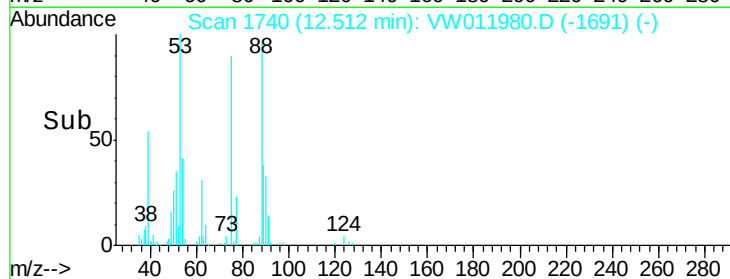
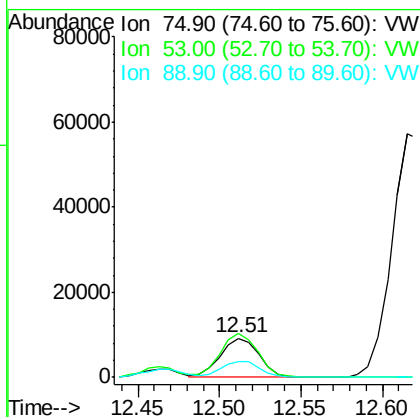
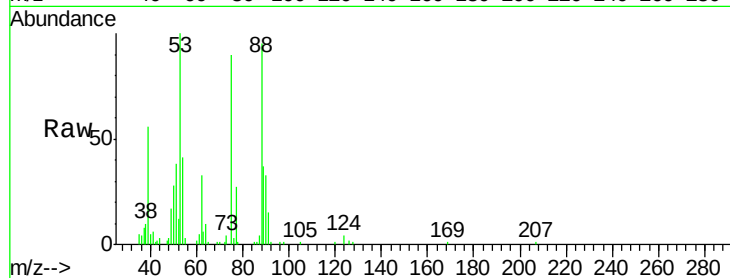
#81  
trans-1,4-Dichloro-2-butene  
Concen: 19.655 ug/l  
RT: 12.51 min Scan# 1740  
Delta R.T. -0.00 min  
Lab File: VW011980.D  
Acq: 19 Aug 2019 10:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0819SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 109.6 | 88.0  | 132.0 |
| 89      | 41.3  | 35.3  | 52.9  |

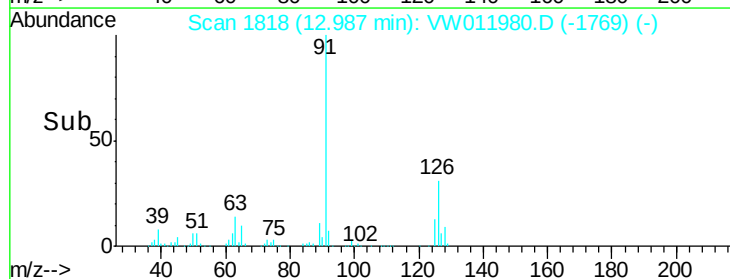
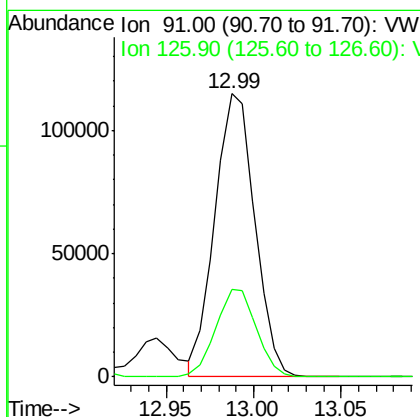
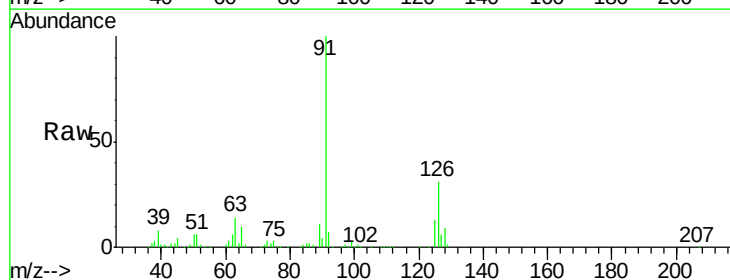
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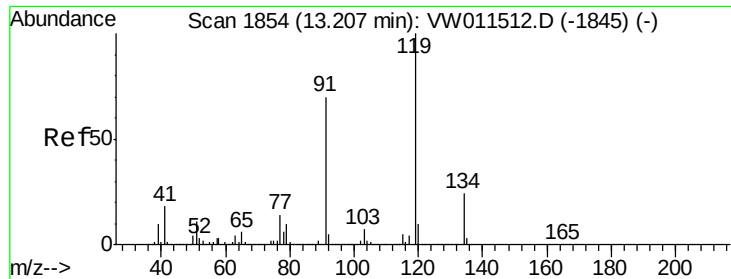
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#82  
4-Chlorotoluene  
Concen: 19.872 ug/l  
RT: 12.99 min Scan# 1818  
Delta R.T. -0.00 min  
Lab File: VW011980.D  
Acq: 19 Aug 2019 10:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 31.5  | 15.6  | 46.8  |





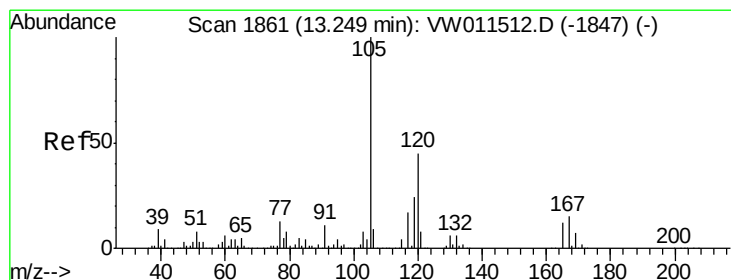
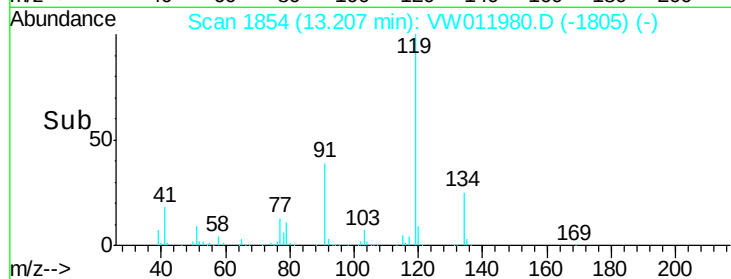
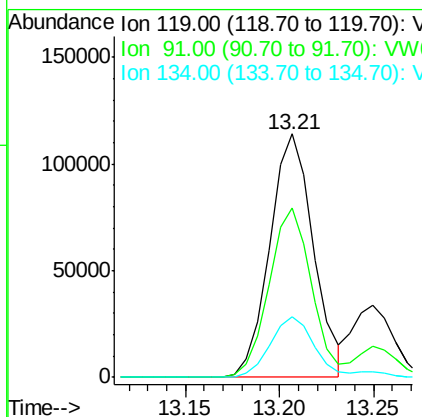
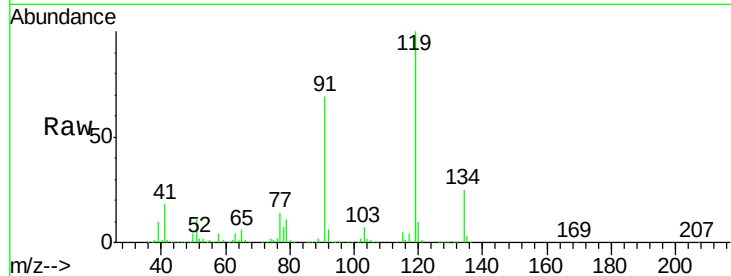
#83  
 tert-Butylbenzene  
 Concen: 20.869 ug/l  
 RT: 13.21 min Scan# 1854  
 Delta R.T. -0.00 min  
 Lab File: VW011980.D  
 Acq: 19 Aug 2019 10:22

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0819SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 67.4  | 34.5  | 103.6 |
| 134     | 25.0  | 12.4  | 37.4  |

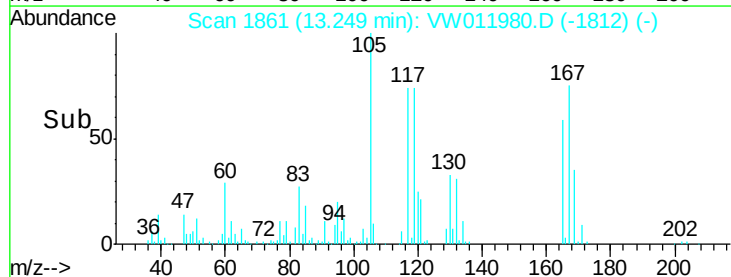
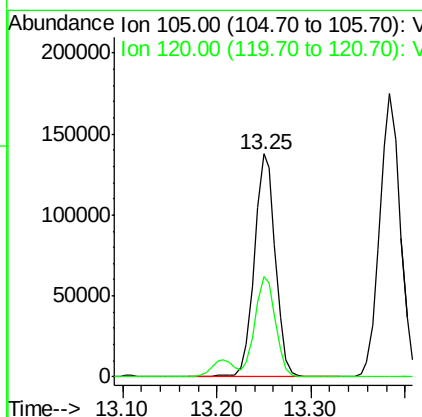
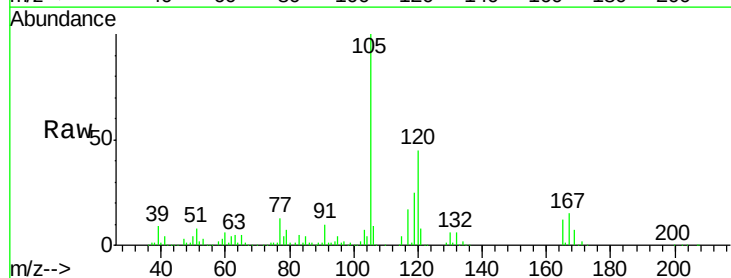
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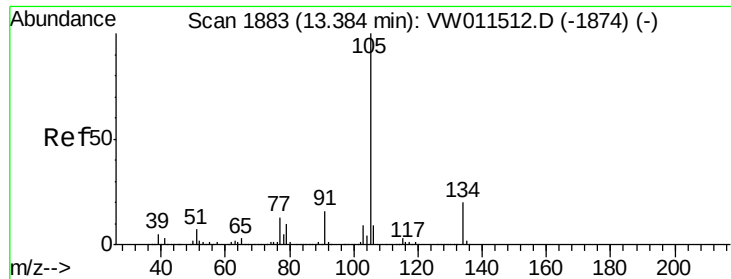
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#84  
 1,2,4-Trimethylbenzene  
 Concen: 20.508 ug/l  
 RT: 13.25 min Scan# 1861  
 Delta R.T. -0.00 min  
 Lab File: VW011980.D  
 Acq: 19 Aug 2019 10:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.1  | 22.1  | 66.5  |





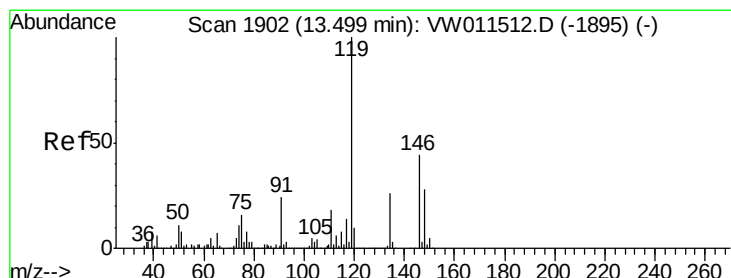
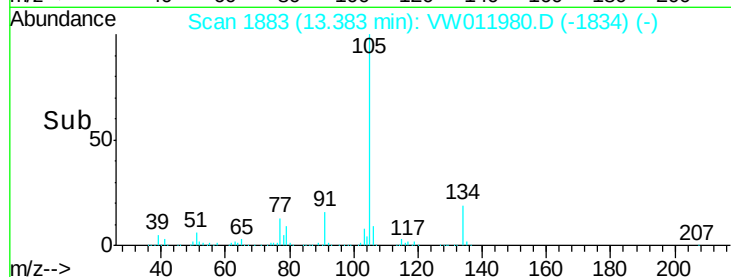
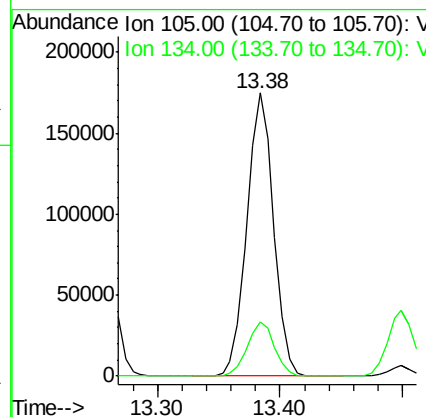
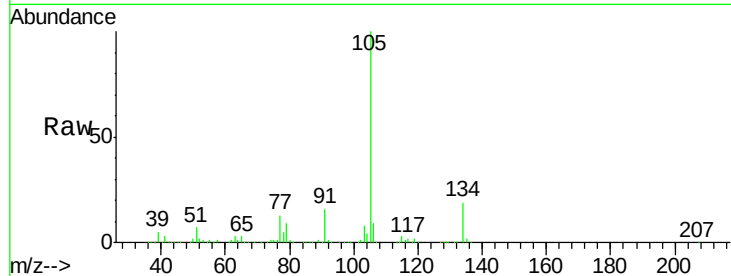
#85  
 sec-Butylbenzene  
 Concen: 21.044 ug/l  
 RT: 13.38 min Scan# 1883  
 Delta R.T. -0.00 min  
 Lab File: VW011980.D  
 Acq: 19 Aug 2019 10:22

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0819SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 19.6  | 9.7   | 29.1  |

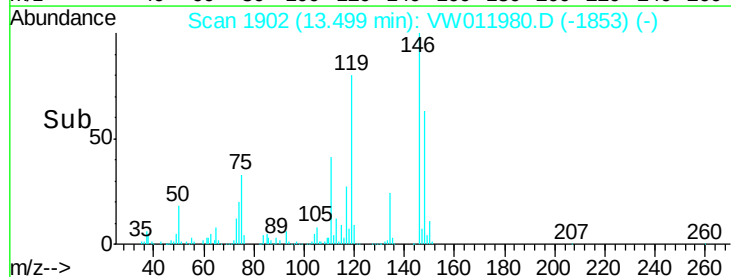
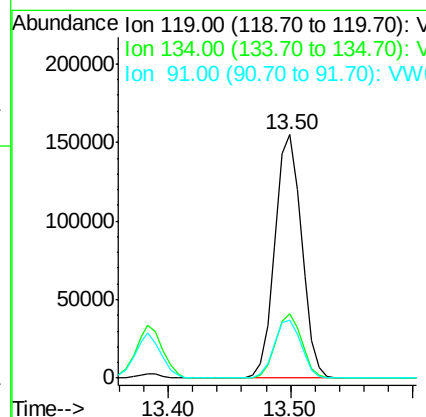
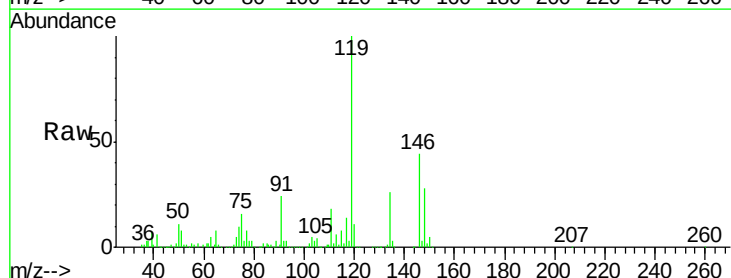
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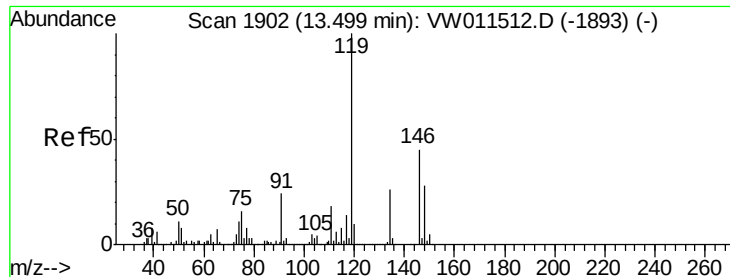


#86  
 p-Isopropyltoluene  
 Concen: 20.658 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. -0.00 min  
 Lab File: VW011980.D  
 Acq: 19 Aug 2019 10:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 25.9  | 12.8  | 38.4  |
| 91      | 24.1  | 12.1  | 36.3  |







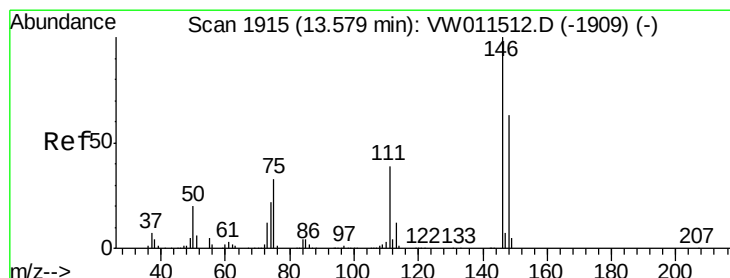
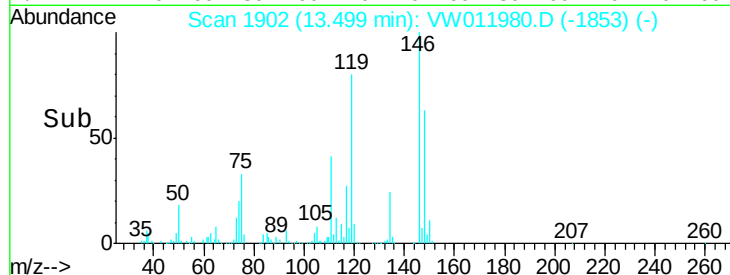
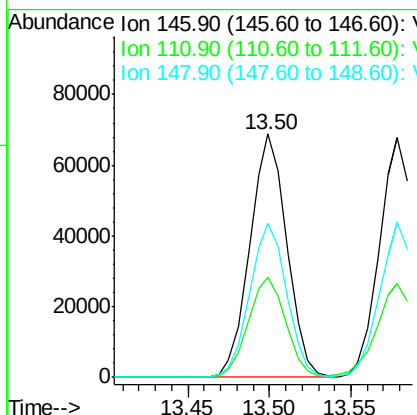
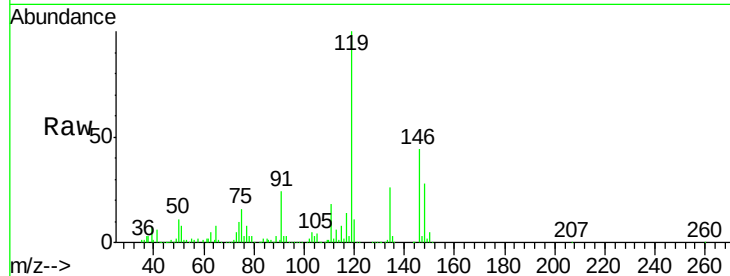
#87  
 1,3-Dichlorobenzene  
 Concen: 19.944 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. -0.00 min  
 Lab File: VW011980.D  
 Acq: 19 Aug 2019 10:22

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0819SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 108301 |       |       |
| 111     | 41.6  | 20.5   | 61.6  |       |
| 148     | 63.5  | 31.8   | 95.3  |       |

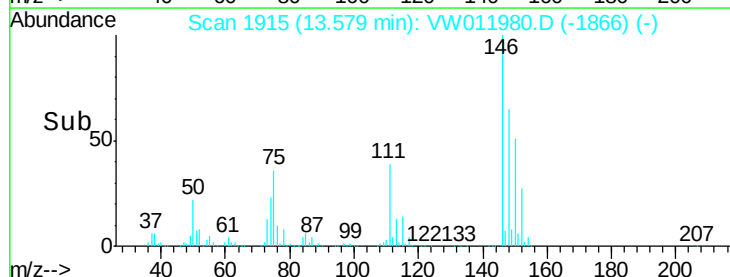
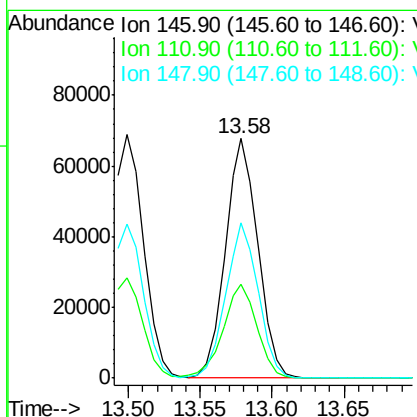
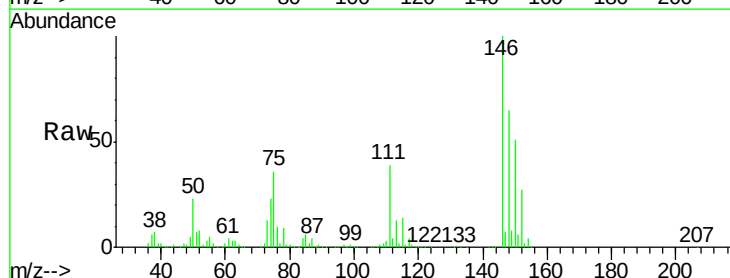
Manual Integrations  
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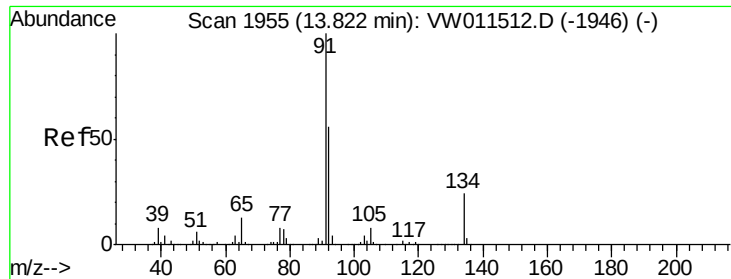
MMDadoda  
 8/20/2019 9:56:31 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 19.759 ug/l  
 RT: 13.58 min Scan# 1915  
 Delta R.T. -0.00 min  
 Lab File: VW011980.D  
 Acq: 19 Aug 2019 10:22

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 106730 |       |       |
| 111     | 41.3  | 20.1   | 60.2  |       |
| 148     | 64.8  | 31.9   | 95.9  |       |





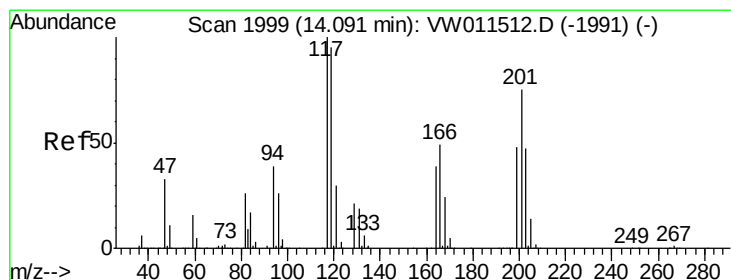
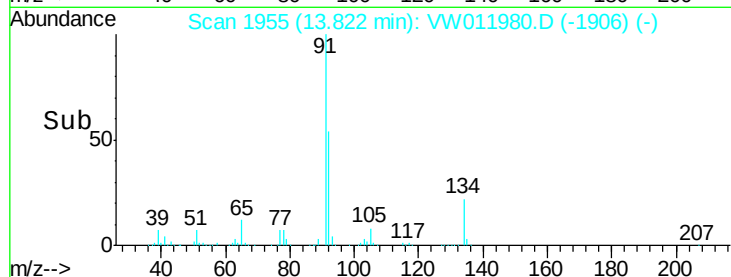
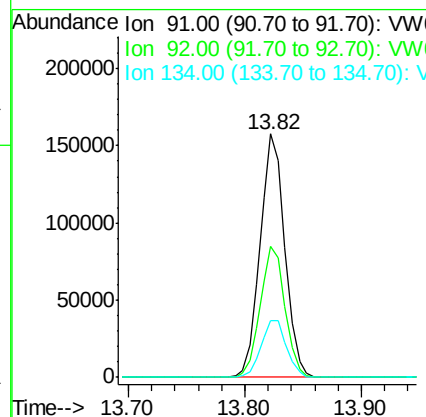
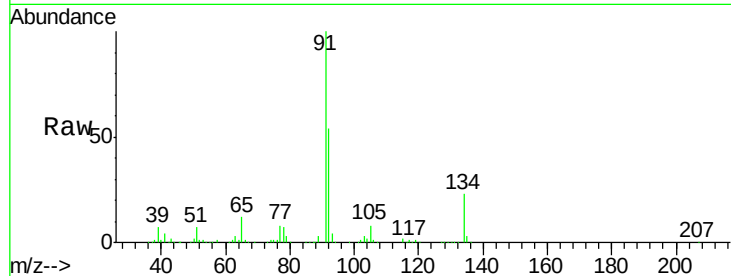
#89  
n-Butylbenzene  
Concen: 20.448 ug/l  
RT: 13.82 min Scan# 1955  
Delta R.T. -0.00 min  
Lab File: VW011980.D  
Acq: 19 Aug 2019 10:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0819SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 232031 |       |       |
| 92      | 54.3  |        | 27.5  | 82.4  |
| 134     | 24.2  |        | 12.2  | 36.6  |

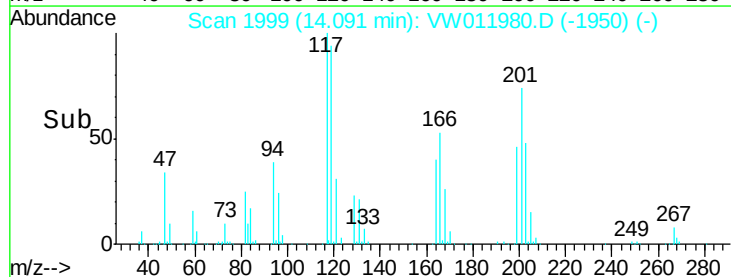
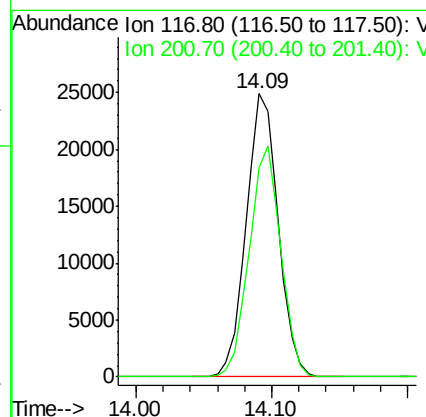
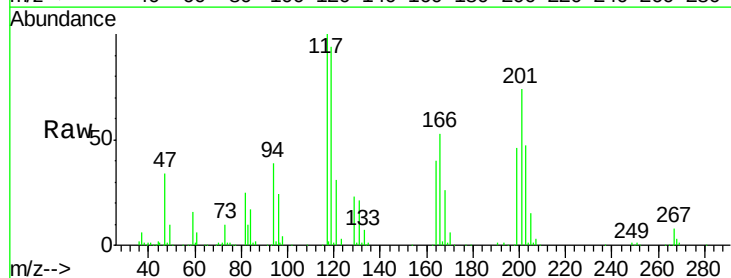
Manual Integrations  
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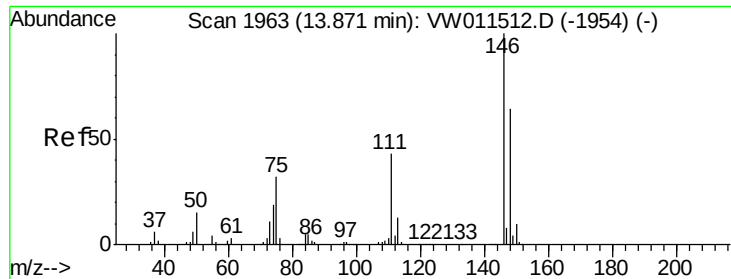
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8/20/2019 9:56:31 AM



#90  
Hexachloroethane  
Concen: 20.419 ug/l  
RT: 14.09 min Scan# 1999  
Delta R.T. -0.00 min  
Lab File: VW011980.D  
Acq: 19 Aug 2019 10:22

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 117     | 100   | 41055 |       |       |
| 201     | 80.4  |       | 39.4  | 118.2 |





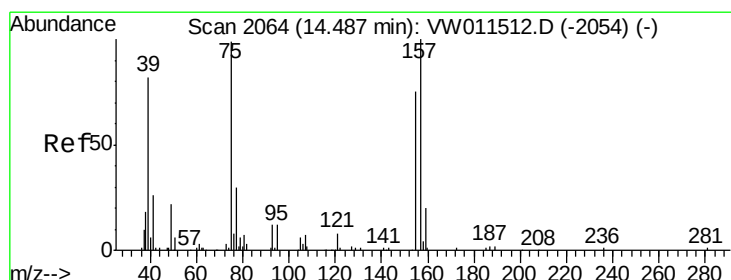
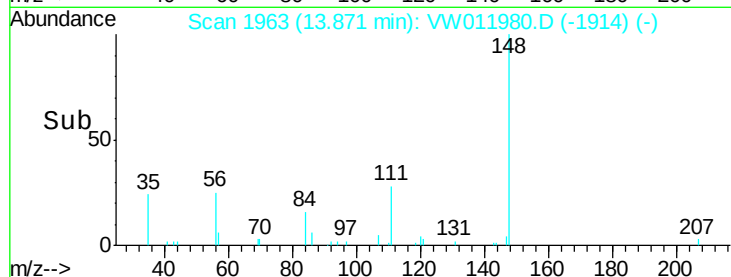
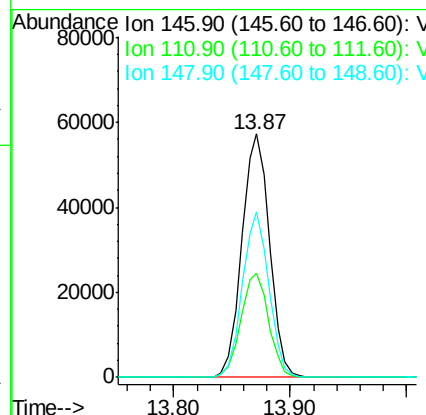
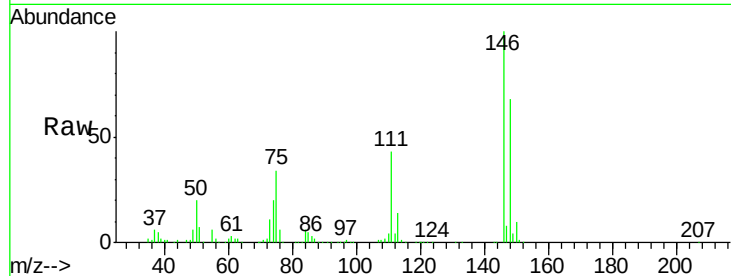
#91  
 1,2-Dichlorobenzene  
 Concen: 19.705 ug/l  
 RT: 13.87 min Scan# 1963  
 Delta R.T. -0.00 min  
 Lab File: VW011980.D  
 Acq: 19 Aug 2019 10:22

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0819SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.1  | 21.6  | 65.0  |
| 148     | 65.2  | 32.0  | 96.2  |

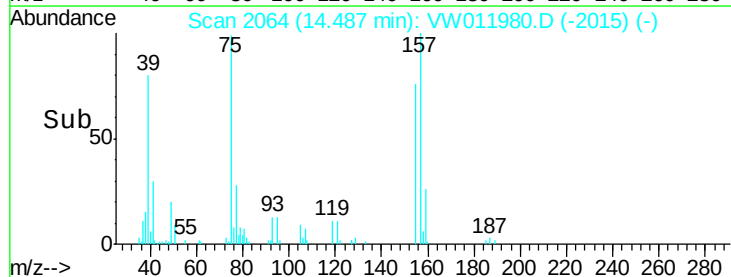
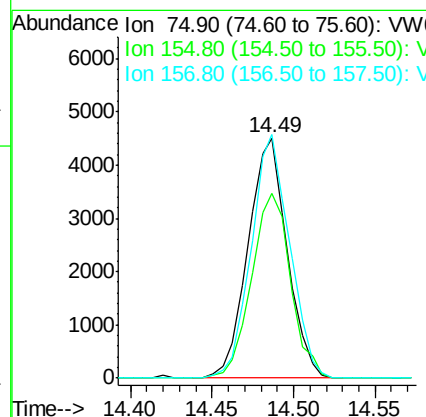
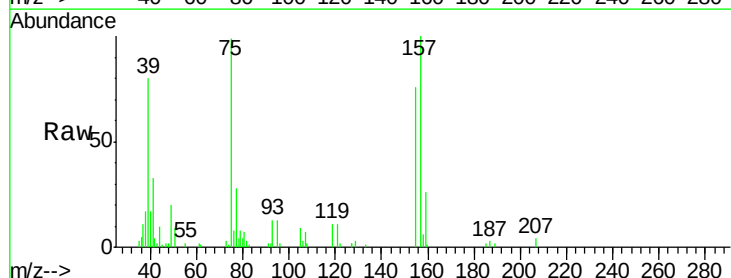
Manual Integrations  
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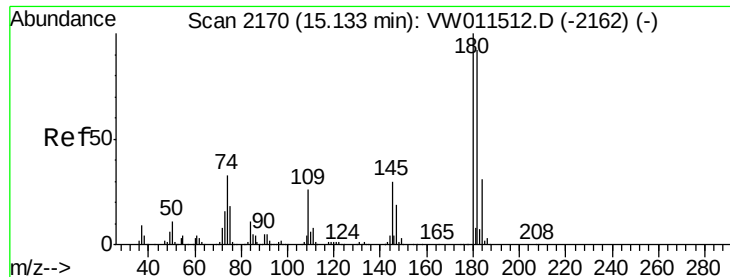
MMDadoda  
 8/20/2019 9:56:31 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 18.642 ug/l  
 RT: 14.49 min Scan# 2064  
 Delta R.T. -0.00 min  
 Lab File: VW011980.D  
 Acq: 19 Aug 2019 10:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 77.1  | 38.2  | 114.6 |
| 157     | 99.7  | 48.9  | 146.7 |





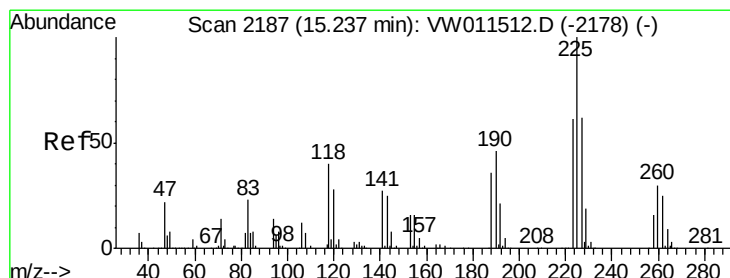
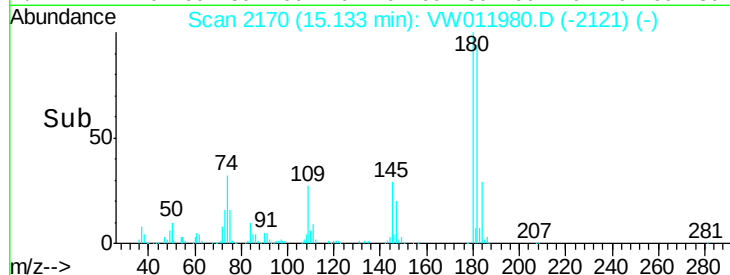
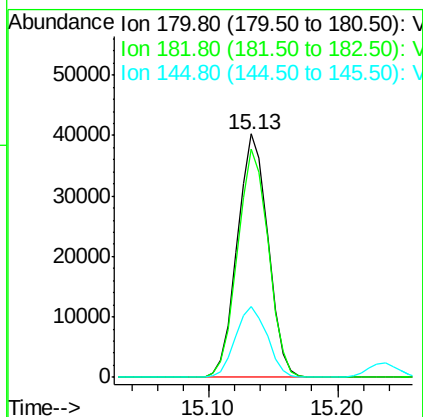
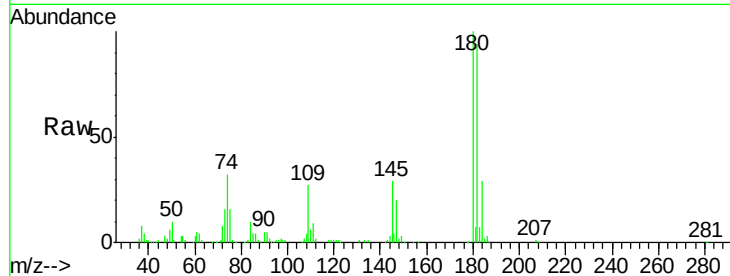
#93  
 1,2,4-Trichlorobenzene  
 Concen: 19.608 ug/l  
 RT: 15.13 min Scan# 2170  
 Delta R.T. -0.00 min  
 Lab File: VW011980.D  
 Acq: 19 Aug 2019 10:22

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0819SBS01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 66370 |       |       |
| 182     | 94.2  |       | 47.4  | 142.2 |
| 145     | 30.3  |       | 15.4  | 46.1  |

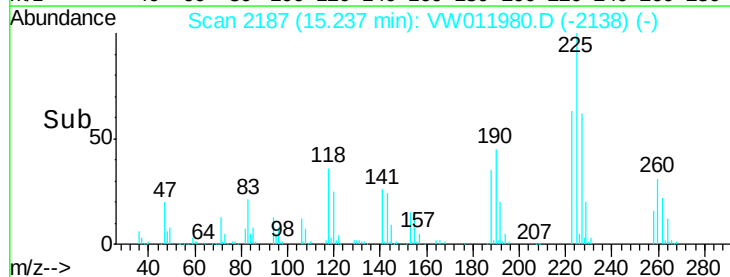
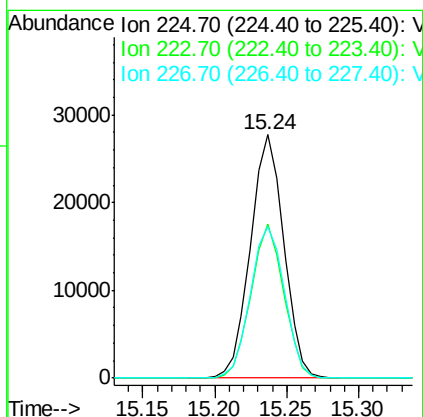
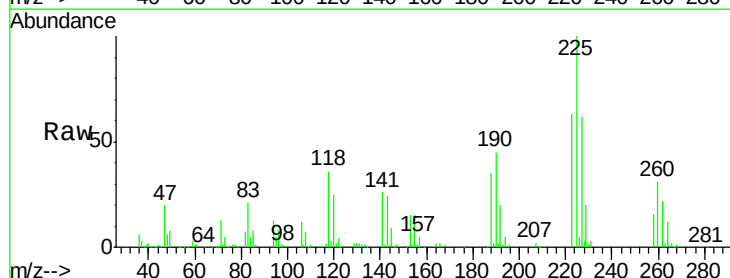
Manual Integrations  
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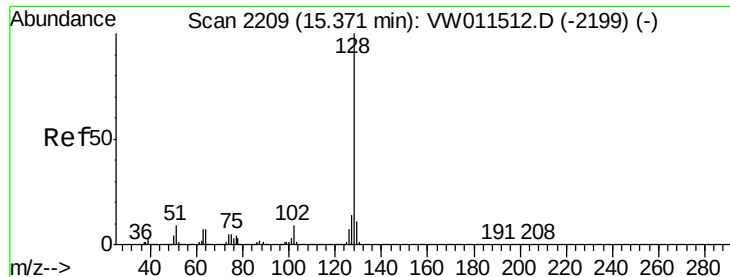
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#94  
 Hexachlorobutadiene  
 Concen: 20.994 ug/l  
 RT: 15.24 min Scan# 2187  
 Delta R.T. -0.00 min  
 Lab File: VW011980.D  
 Acq: 19 Aug 2019 10:22

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 44315 |       |       |
| 223     | 62.5  |       | 30.8  | 92.3  |
| 227     | 63.6  |       | 31.6  | 94.7  |





#95

Naphthalene

Concen: 18.388 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

Instrument :

MSVOA\_W

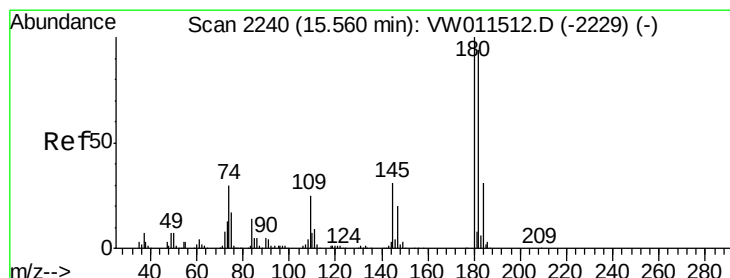
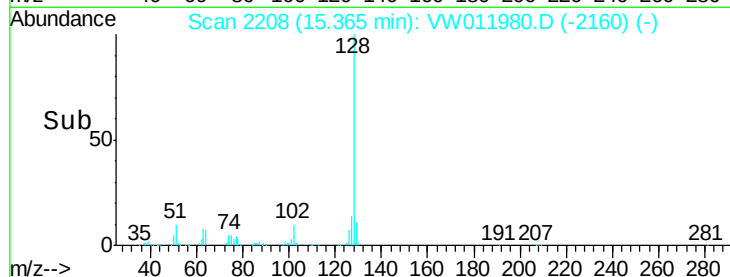
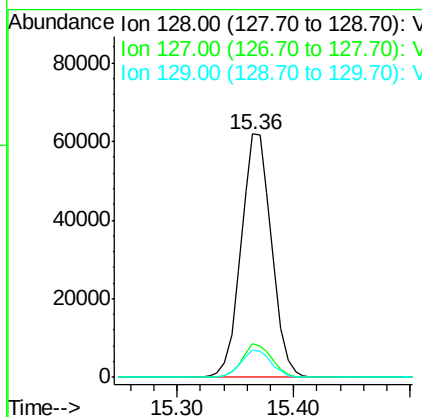
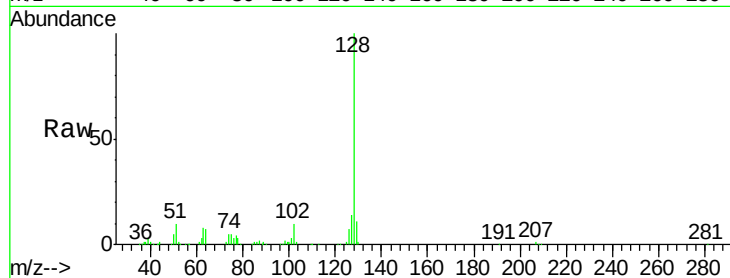
ClientSampleId :

VW0819SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 112884 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.4  | 10.6  | 16.0   |
| 129       | 11.2  | 8.6   | 13.0   |

Manual Integrations  
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#96

1,2,3-Trichlorobenzene

Concen: 19.070 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 56579 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.6  | 47.4  | 142.2 |
| 145       | 32.3  | 15.9  | 47.7  |

