

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090719\  
 Data File : VW012711.D  
 Acq On : 07 Sep 2019 10:38  
 Operator : SY/VA  
 Sample : VSTDIC020  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC020

Manual Integrations  
 APPROVED

MMDadoda  
 9/10/2019 1:02:23 PM

Quant Time: Sep 08 04:58:48 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W090719S.M  
 Quant Title : SW846 8260  
 QLast Update : Sun Sep 08 04:47:02 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 287805   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 436185   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 375061   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 184480   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.30  | 65   | 60499    | 18.81 | ug/l   | 0.00     |
| Spiked Amount               |       |      |          |       |        |          |
|                             |       |      | Recovery | =     | 37.62% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 48611    | 18.75 | ug/l   | 0.00     |
| Spiked Amount               |       |      |          |       |        |          |
|                             |       |      | Recovery | =     | 37.50% |          |
| 50) Toluene-d8              | 10.32 | 98   | 189438   | 18.65 | ug/l   | 0.00     |
| Spiked Amount               |       |      |          |       |        |          |
|                             |       |      | Recovery | =     | 37.30% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 70479    | 19.11 | ug/l   | 0.00     |
| Spiked Amount               |       |      |          |       |        |          |
|                             |       |      | Recovery | =     | 38.22% |          |

| Target Compounds              | R.T. | QIon | Response | Conc   | Units | Qvalue |
|-------------------------------|------|------|----------|--------|-------|--------|
| 2) Dichlorodifluoromethane    | 2.00 | 85   | 31603    | 20.255 | ug/l  | 93     |
| 3) Chloromethane              | 2.21 | 50   | 40591    | 21.407 | ug/l  | 99     |
| 4) Vinyl Chloride             | 2.35 | 62   | 47730    | 20.529 | ug/l  | 95     |
| 5) Bromomethane               | 2.76 | 94   | 26777    | 21.209 | ug/l  | 99     |
| 6) Chloroethane               | 2.92 | 64   | 27718    | 19.978 | ug/l  | 96     |
| 7) Trichlorofluoromethane     | 3.25 | 101  | 31102    | 19.385 | ug/l  | 92     |
| 8) Diethyl Ether              | 3.68 | 74   | 26140    | 19.385 | ug/l  | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101  | 50381    | 20.010 | ug/l  | 100    |
| 10) Methyl Iodide             | 4.26 | 142  | 62821    | 19.820 | ug/l  | 99     |
| 11) Tert butyl alcohol        | 5.17 | 59   | 21535    | 87.527 | ug/l  | 97     |
| 12) 1,1-Dichloroethene        | 4.04 | 96   | 47316    | 19.908 | ug/l  | 93     |
| 13) Acrolein                  | 3.88 | 56   | 24048    | 92.106 | ug/l  | 97     |
| 14) Allyl chloride            | 4.66 | 41   | 97110    | 19.751 | ug/l  | 99     |
| 15) Acrylonitrile             | 5.36 | 53   | 68467    | 86.931 | ug/l  | 100    |
| 16) Acetone                   | 4.12 | 43   | 71625    | 81.701 | ug/l  | 100    |
| 17) Carbon Disulfide          | 4.38 | 76   | 106151   | 21.041 | ug/l  | 100    |
| 18) Methyl Acetate            | 4.67 | 43   | 35468    | 17.244 | ug/l  | 100    |
| 19) Methyl tert-butyl Ether   | 5.43 | 73   | 86500    | 18.351 | ug/l  | 93     |
| 20) Methylene Chloride        | 4.92 | 84   | 52711    | 19.219 | ug/l  | 98     |
| 21) trans-1,2-Dichloroethene  | 5.42 | 96   | 49221    | 20.296 | ug/l  | 96     |
| 22) Diisopropyl ether         | 6.31 | 45   | 182140   | 18.678 | ug/l  | 97     |
| 23) Vinyl Acetate             | 6.25 | 43   | 540614   | 87.478 | ug/l  | 98     |
| 24) 1,1-Dichloroethane        | 6.21 | 63   | 102008   | 19.428 | ug/l  | 99     |
| 25) 2-Butanone                | 7.16 | 43   | 98644    | 85.245 | ug/l  | 97     |
| 26) 2,2-Dichloropropane       | 7.16 | 77   | 66539    | 20.064 | ug/l  | 98     |
| 27) cis-1,2-Dichloroethene    | 7.16 | 96   | 56388    | 20.053 | ug/l  | 97     |
| 28) Bromochloromethane        | 7.51 | 49   | 45159    | 18.731 | ug/l  | 99     |
| 29) Tetrahydrofuran           | 7.52 | 42   | 62493    | 88.273 | ug/l  | 98     |
| 30) Chloroform                | 7.67 | 83   | 103981   | 19.982 | ug/l  | 98     |
| 31) Cyclohexane               | 7.95 | 56   | 94758    | 20.046 | ug/l  | # 92   |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97   | 84011    | 19.917 | ug/l  | 98     |
| 36) 1,1-Dichloropropene       | 8.08 | 75   | 75792    | 19.556 | ug/l  | 99     |
| 37) Ethyl Acetate             | 7.25 | 43   | 41049    | 16.615 | ug/l  | 99     |
| 38) Carbon Tetrachloride      | 8.07 | 117  | 73416    | 19.217 | ug/l  | 94     |

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 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC020

Manual Integrations  
 APPROVED

MMDadoda  
 9/10/2019 1:02:23 PM

Quant Time: Sep 08 04:58:48 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W090719S.M  
 Quant Title : SW846 8260  
 QLast Update : Sun Sep 08 04:47:02 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 87546    | 20.112  | ug/l   | 98       |
| 40) Benzene                    | 8.32  | 78   | 217069   | 20.187  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.48  | 41   | 26927    | 18.076  | ug/l   | 94       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 71521    | 18.899  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.42  | 43   | 81129    | 17.333  | ug/l   | 96       |
| 44) Trichloroethene            | 9.09  | 130  | 54779    | 19.763  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 58232    | 19.525  | ug/l   | 99       |
| 46) Dibromomethane             | 9.46  | 93   | 26878    | 19.032  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.65  | 83   | 73478    | 18.911  | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.43  | 41   | 38333    | 17.137  | ug/l   | 95       |
| 49) 1,4-Dioxane                | 9.44  | 88   | 10001    | 358.506 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 205127   | 83.517  | ug/l   | 99       |
| 52) Toluene                    | 10.38 | 92   | 133901   | 19.951  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.60 | 75   | 73162    | 18.312  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 81282    | 17.934  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 39158    | 18.520  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 54954    | 17.756  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 71874    | 18.375  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.92  | 63   | 155990   | 94.939  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.97 | 43   | 146031   | 81.382  | ug/l   | 100      |
| 60) Dibromochloromethane       | 11.13 | 129  | 45557    | 18.321  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.23 | 107  | 35202    | 18.160  | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.86 | 164  | 45677    | 20.071  | ug/l   | 95       |
| 65) Chlorobenzene              | 11.66 | 112  | 140752   | 19.856  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 51057    | 19.341  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.73 | 91   | 268364   | 20.177  | ug/l   | 97       |
| 68) m/p-Xylenes                | 11.84 | 106  | 191995   | 39.992  | ug/l   | 99       |
| 69) o-Xylene                   | 12.16 | 106  | 91093    | 20.112  | ug/l   | 97       |
| 70) Styrene                    | 12.18 | 104  | 157625   | 19.695  | ug/l   | 99       |
| 71) Bromoform                  | 12.35 | 173  | 24829    | 16.929  | ug/l # | 96       |
| 73) Isopropylbenzene           | 12.46 | 105  | 257587   | 19.468  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.27 | 43   | 73534    | 17.509  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 45615    | 17.166  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 39214m   | 21.661  | ug/l   |          |
| 77) Bromobenzene               | 12.75 | 156  | 56682    | 18.909  | ug/l   | 98       |
| 78) n-propylbenzene            | 12.80 | 91   | 312482   | 19.746  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.89 | 91   | 180921   | 19.915  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 220363   | 19.765  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.51 | 75   | 14426    | 16.175  | ug/l   | 94       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 188977   | 19.666  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.21 | 119  | 192443   | 19.521  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.25 | 105  | 221293   | 19.698  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.38 | 105  | 262469   | 19.187  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.50 | 119  | 243932   | 19.522  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.50 | 146  | 112801   | 19.144  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 113105   | 19.291  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.82 | 91   | 235968   | 19.452  | ug/l   | 100      |
| 90) Hexachloroethane           | 14.09 | 117  | 42112    | 19.305  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 100941   | 19.034  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.48 | 75   | 7722     | 15.879  | ug/l   | 96       |

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Acq On : 07 Sep 2019 10:38  
Operator : SY/VA  
Sample : VSTDICC020  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICC020

Manual Integrations  
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Quant Time: Sep 08 04:58:48 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W090719S.M  
Quant Title : SW846 8260  
QLast Update : Sun Sep 08 04:47:02 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.13 | 180  | 68043    | 18.428 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 48894    | 19.132 | ug/l  | 99       |
| 95) Naphthalene            | 15.36 | 128  | 115847   | 16.852 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.56 | 180  | 60554    | 18.580 | ug/l  | 100      |

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

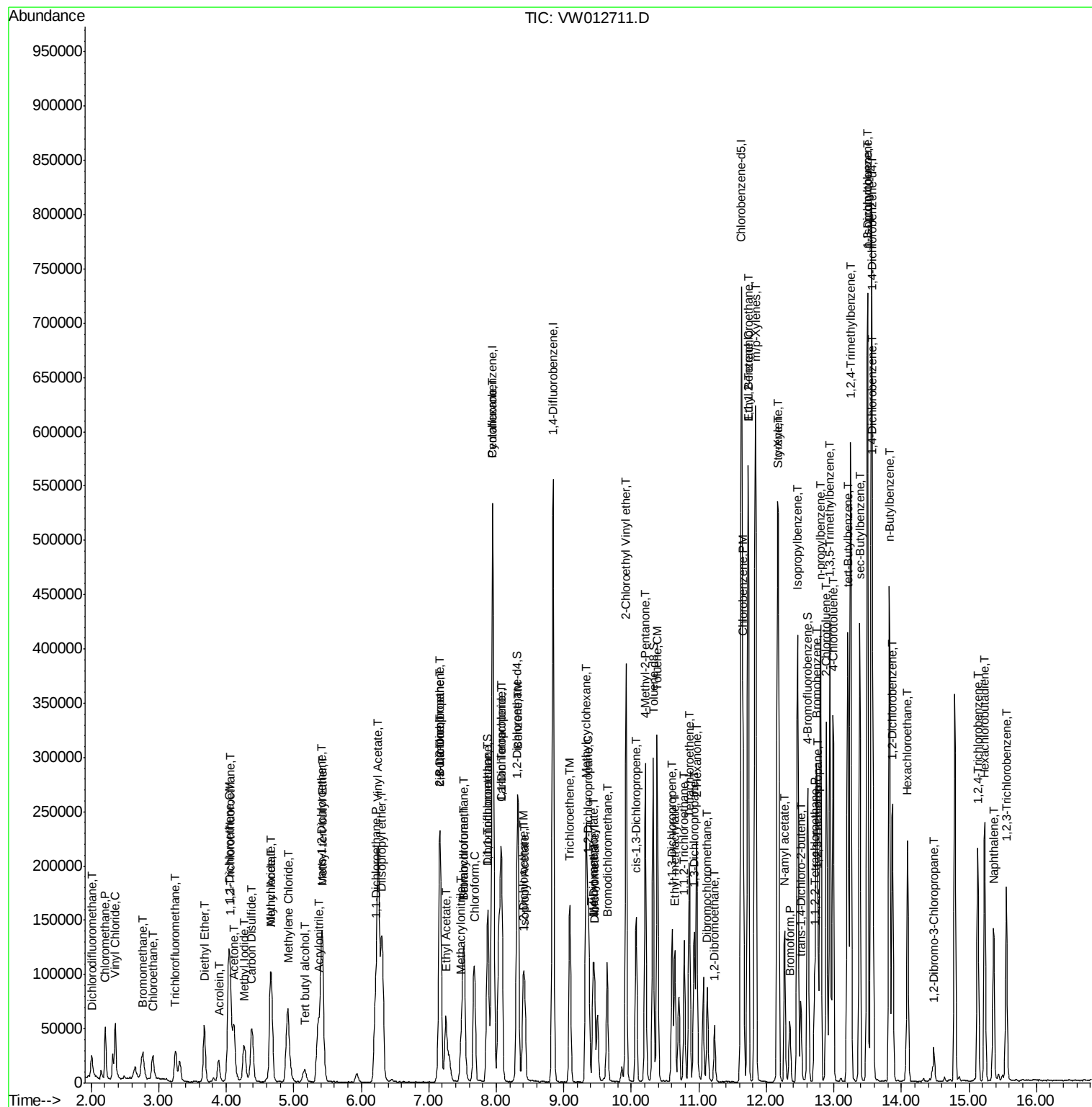
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Acq On : 07 Sep 2019 10:38  
Operator : SY/VA  
Sample : VSTDIC020  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 4 Sample Multiplier: 1

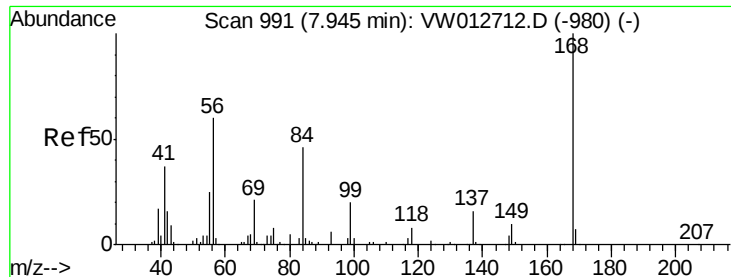
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA\_W

ClientSampled :

VSTDIC020

Tot Ion:168 Resp: 287805

Ion Ratio Lower Upper

168 100

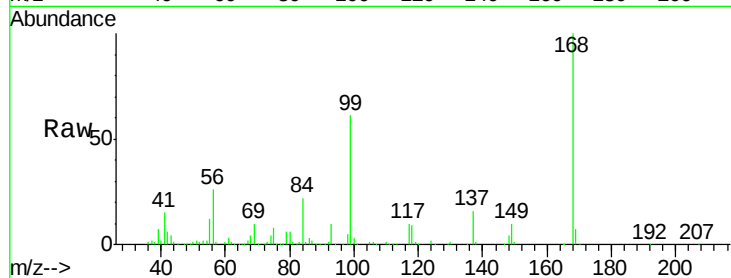
99 61.0 47.8 71.6

Manual Integrations

APPROVED

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9/10/2019 1:02:23 PM



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

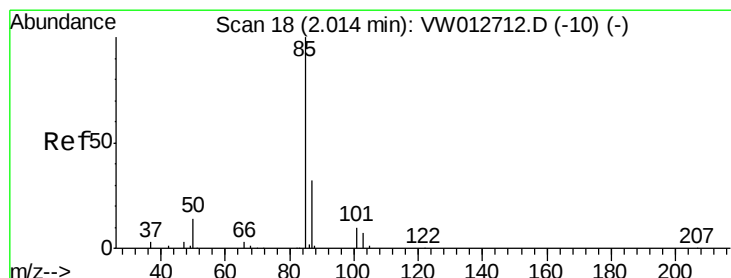
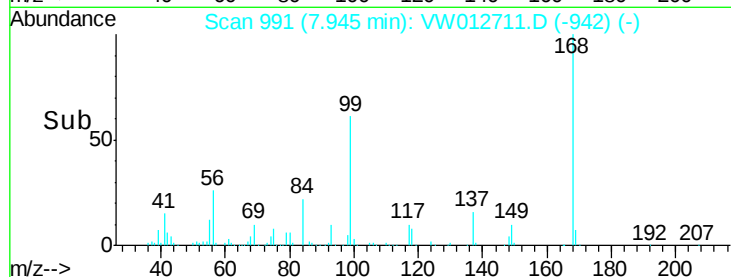
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 20.255 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW012711.D

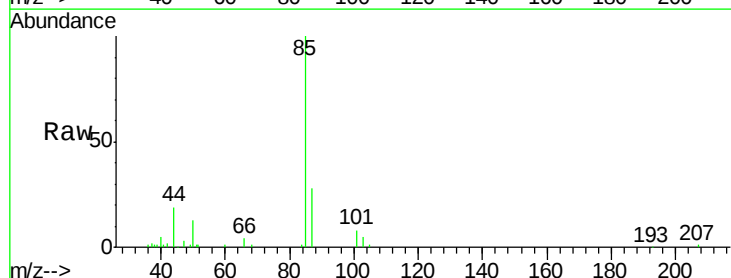
Acq: 07 Sep 2019 10:38

Tgt Ion: 85 Resp: 31603

Ion Ratio Lower Upper

85 100

87 27.5 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

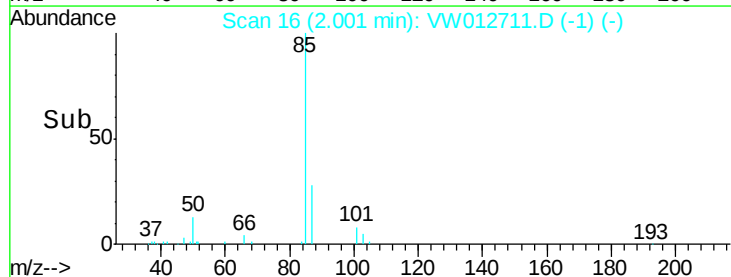
2.00

10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 21.407 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 40591

Ion Ratio Lower Upper

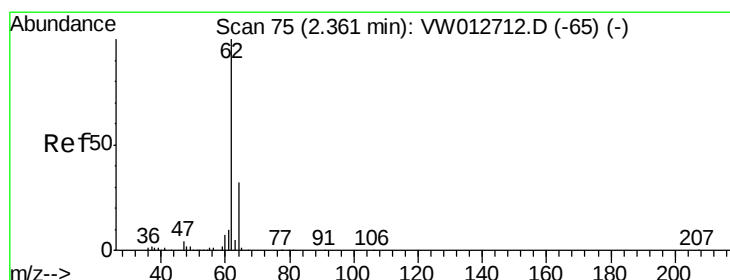
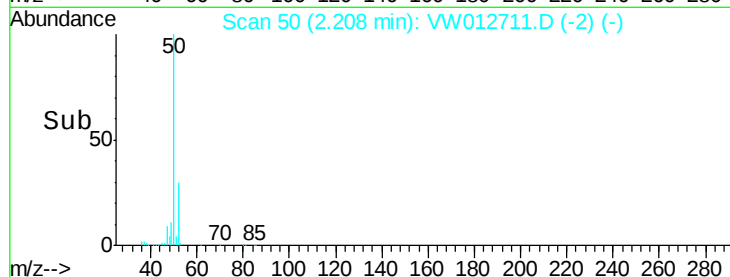
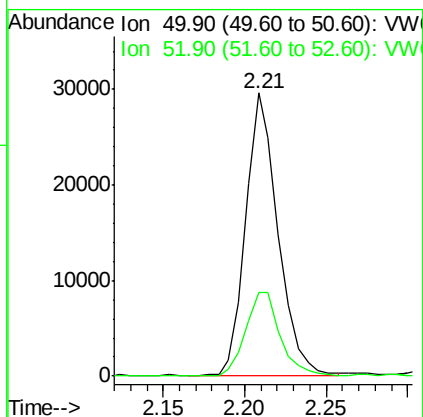
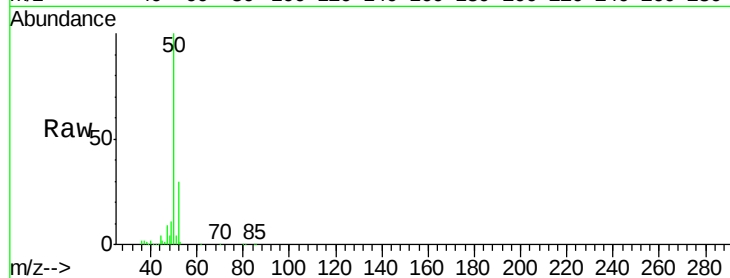
50 100

52 29.8 24.2 36.2

Manual Integrations  
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9/10/2019 1:02:23 PM



#4

Vinyl Chloride

Concen: 20.529 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012711.D

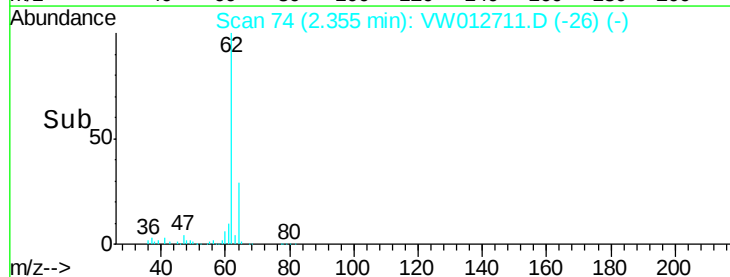
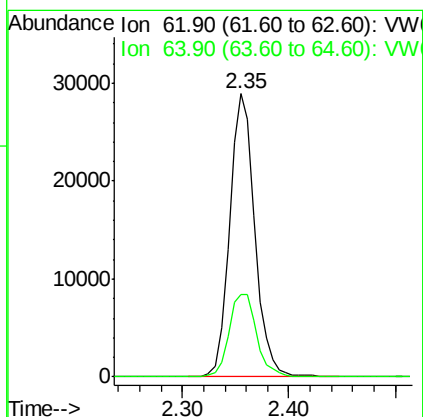
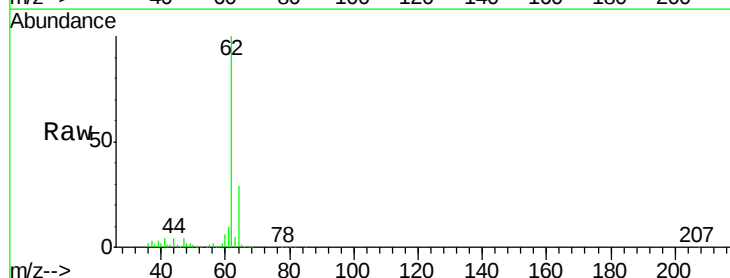
Acq: 07 Sep 2019 10:38

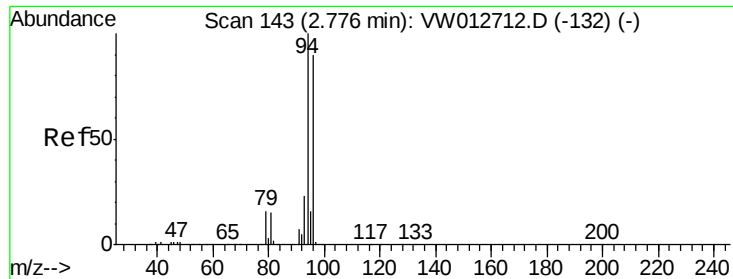
Tgt Ion: 62 Resp: 47730

Ion Ratio Lower Upper

62 100

64 28.9 25.3 37.9





#5

Bromomethane

Concen: 21.209 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 26777

Ion Ratio Lower Upper

94 100

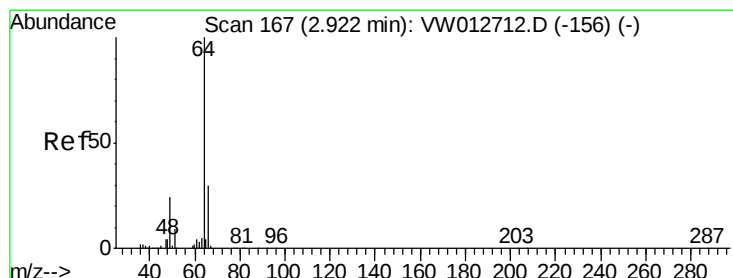
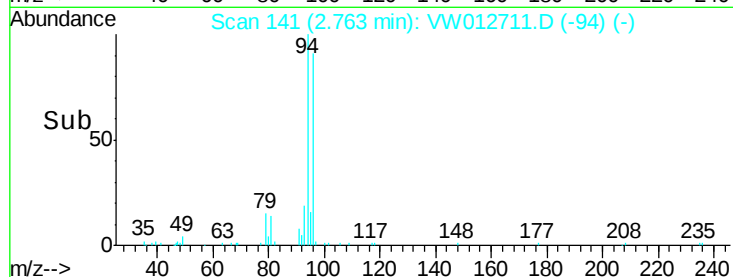
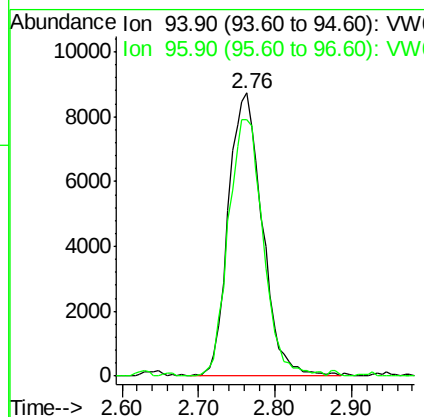
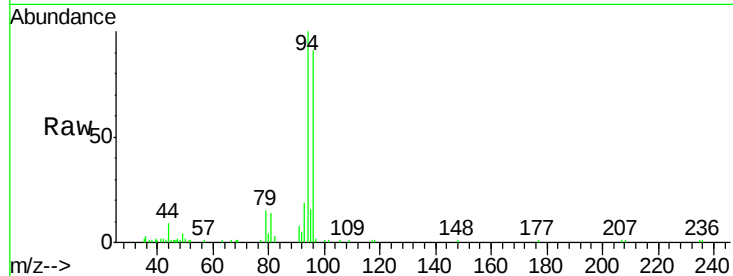
96 90.6 72.1 108.1

Manual Integrations

APPROVED

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9/10/2019 1:02:23 PM



#6

Chloroethane

Concen: 19.978 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW012711.D

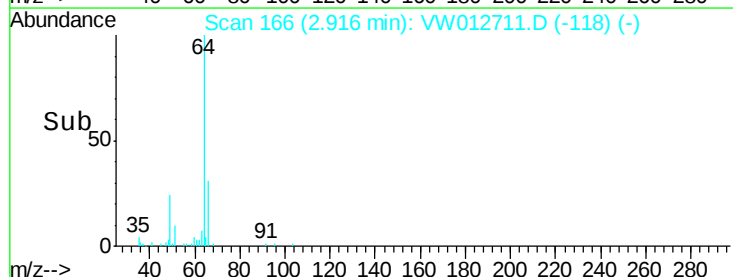
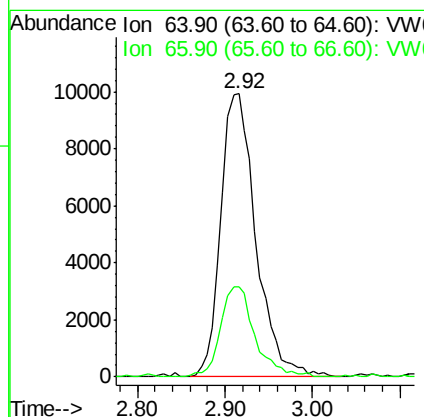
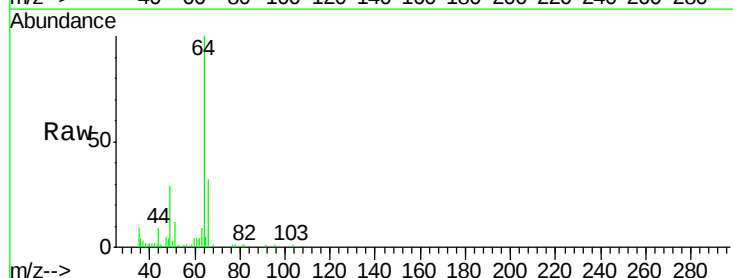
Acq: 07 Sep 2019 10:38

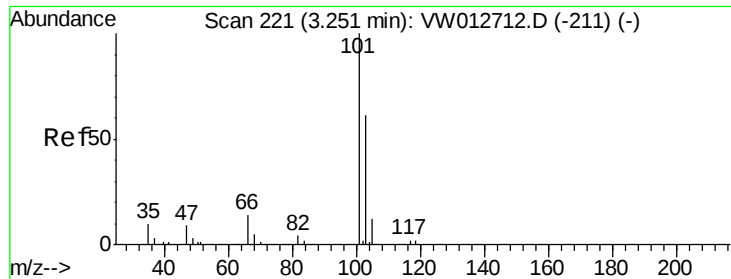
Tgt Ion: 64 Resp: 27718

Ion Ratio Lower Upper

64 100

66 31.7 23.8 35.6





#7

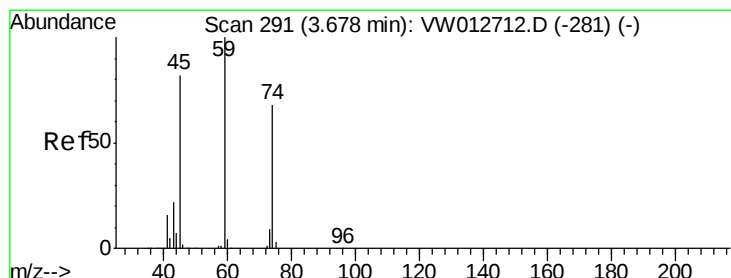
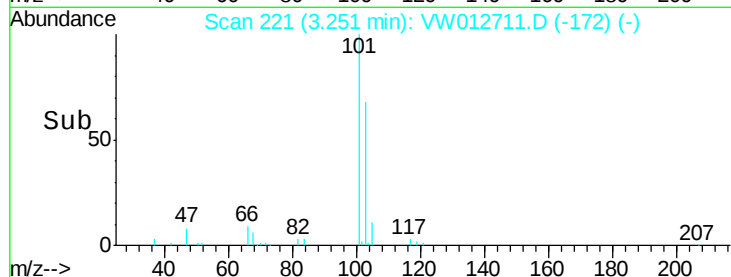
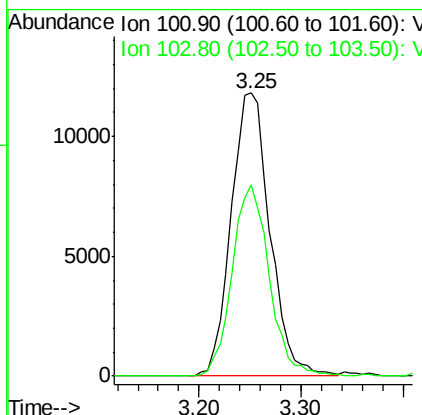
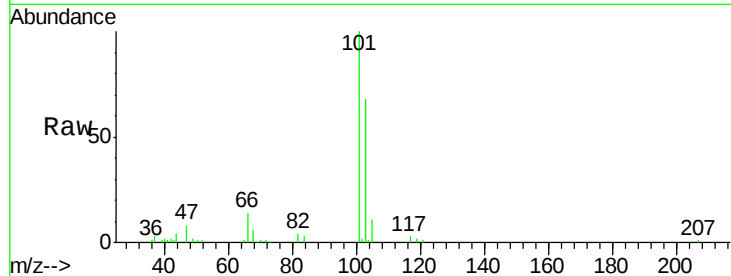
Trichlorofluoromethane  
Concen: 19.385 ug/l  
RT: 3.25 min Scan# 221  
Delta R.T. -0.00 min  
Lab File: VW012711.D  
Acq: 07 Sep 2019 10:38

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 101     | 100   | 31102 |       |       |
| 103     | 67.6  | 49.0  | 73.4  |       |

Manual Integrations  
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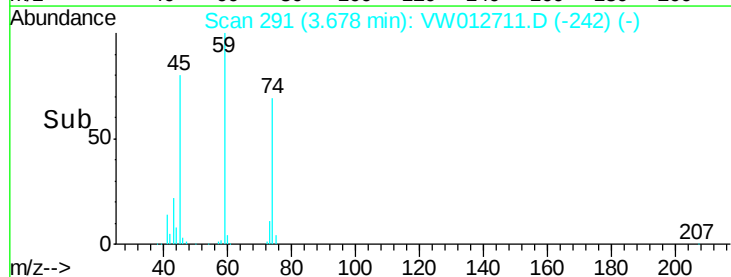
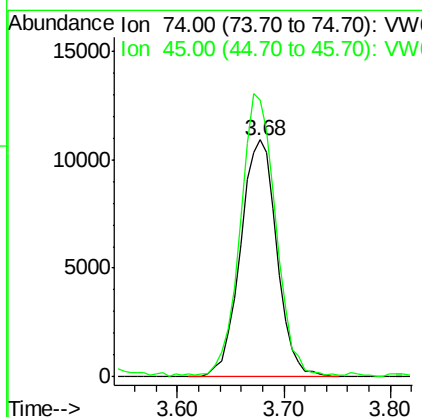
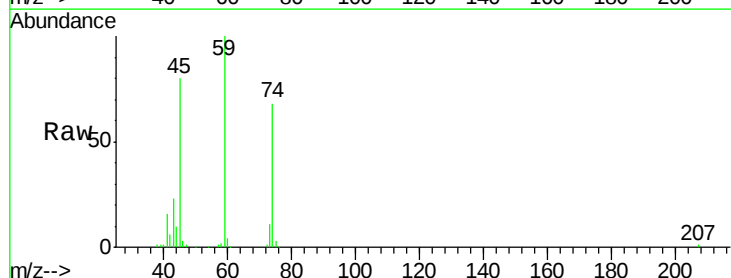
MMDadoda  
9/10/2019 1:02:23 PM

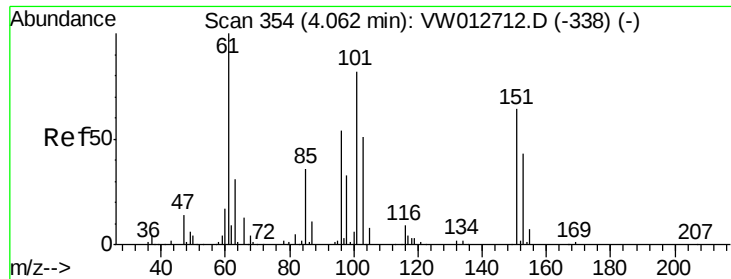


#8

Diethyl Ether  
Concen: 19.385 ug/l  
RT: 3.68 min Scan# 291  
Delta R.T. -0.00 min  
Lab File: VW012711.D  
Acq: 07 Sep 2019 10:38

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 74      | 100   | 26140 |       |       |
| 45      | 114.5 | 58.8  | 176.4 |       |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.010 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA\_W

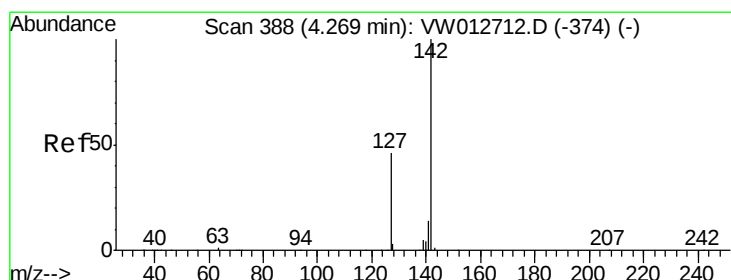
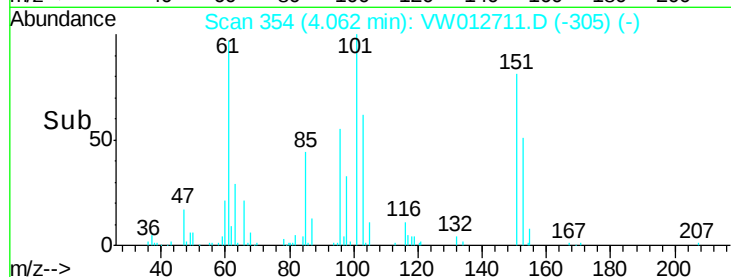
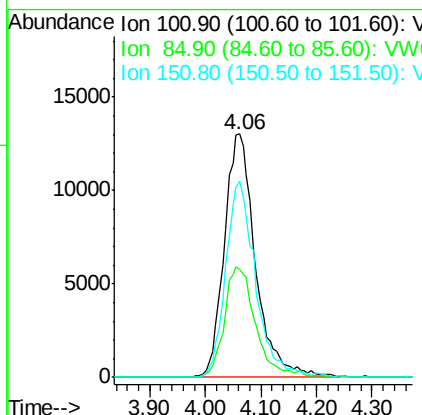
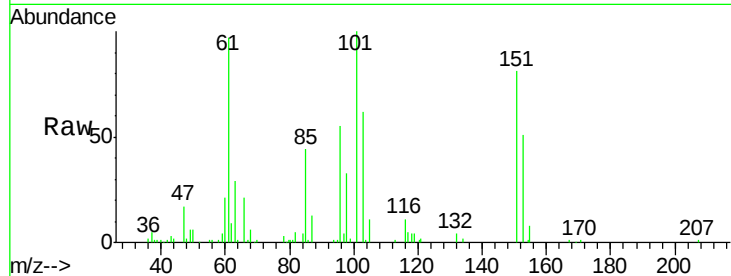
ClientSampleId :

VSTDIC020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 50381 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 45.5  | 36.2  | 54.2  |
| 151       | 77.4  | 61.9  | 92.9  |

Manual Integrations  
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#10

Methyl Iodide

Concen: 19.820 ug/l

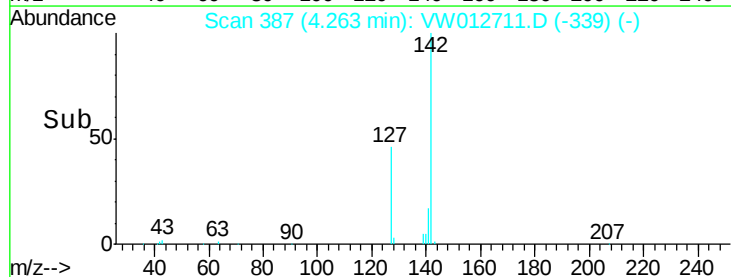
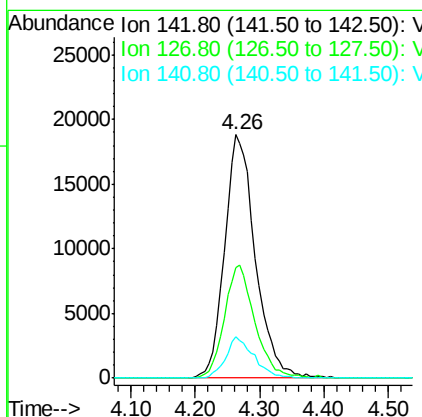
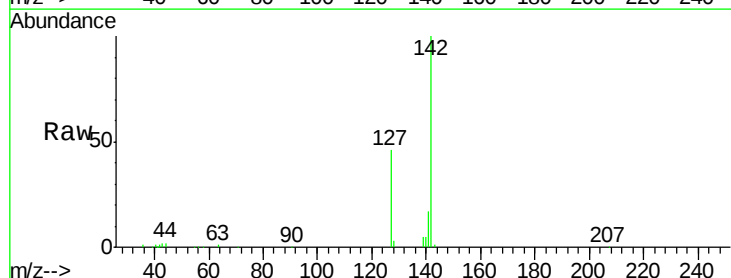
RT: 4.26 min Scan# 387

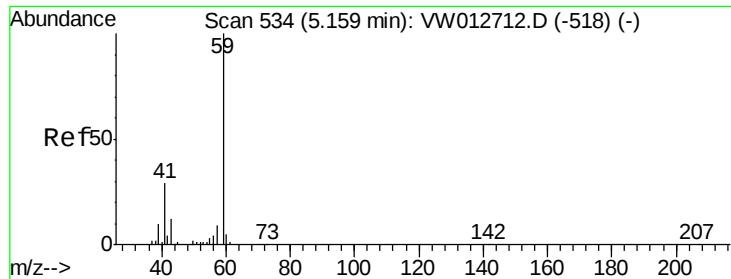
Delta R.T. -0.01 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 62821 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 45.8  | 36.0  | 54.0  |
| 141       | 15.6  | 12.2  | 18.4  |





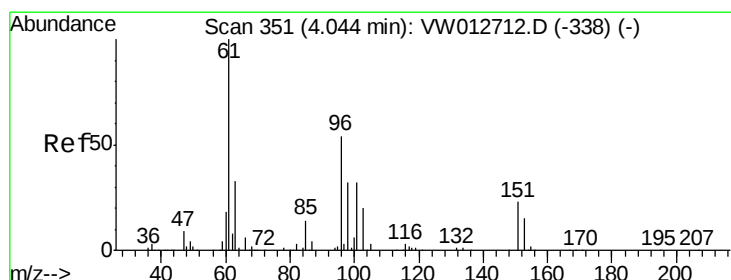
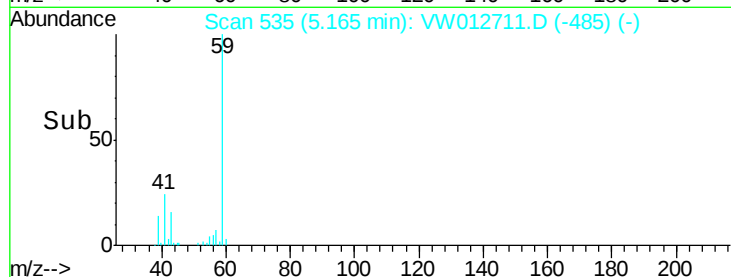
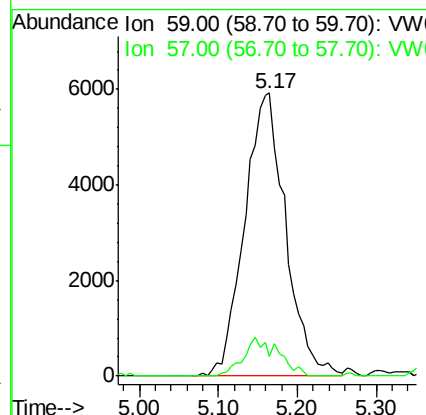
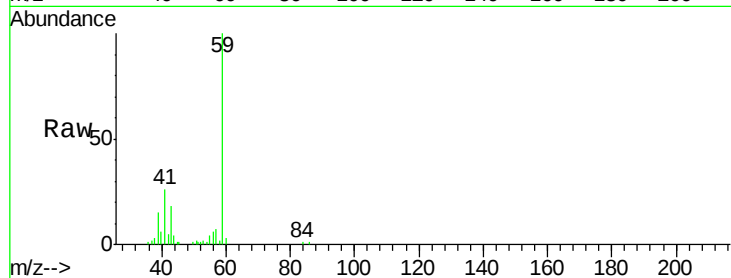
#11  
Tert butyl alcohol  
Concen: 87.527 ug/l  
RT: 5.17 min Scan# 535  
Delta R.T. 0.01 min  
Lab File: VW012711.D  
Acq: 07 Sep 2019 10:38

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 11.4  | 8.2   | 12.4  |

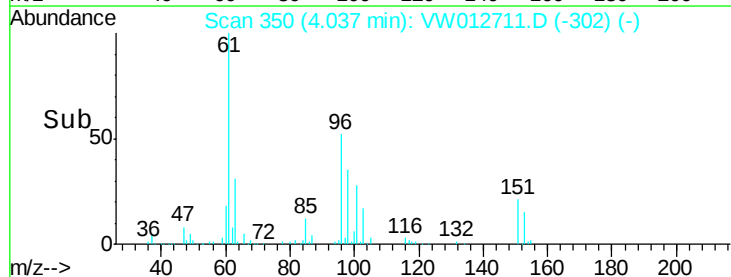
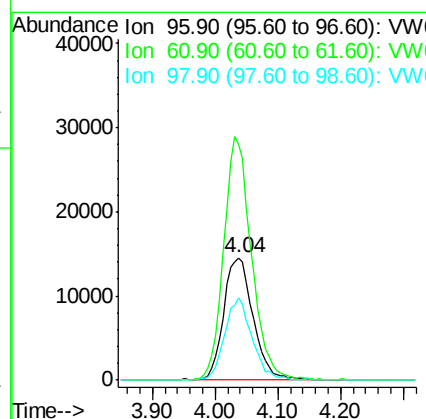
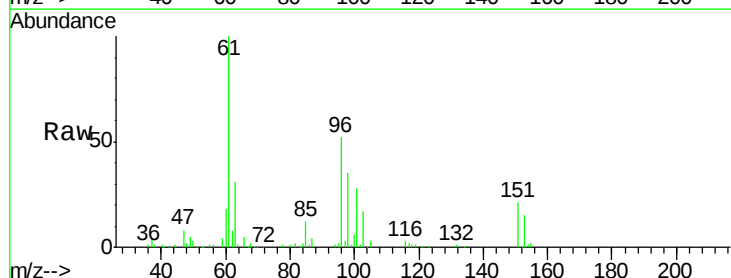
Manual Integrations  
APPROVED

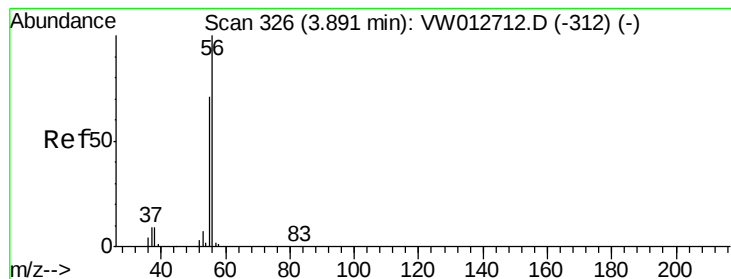
MMDadoda  
9/10/2019 1:02:23 PM



#12  
1,1-Dichloroethene  
Concen: 19.908 ug/l  
RT: 4.04 min Scan# 350  
Delta R.T. -0.01 min  
Lab File: VW012711.D  
Acq: 07 Sep 2019 10:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 193.4 | 147.8 | 221.6 |
| 98      | 66.9  | 47.9  | 71.9  |





#13

Acrolein

Concen: 92.106 ug/l

RT: 3.88 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 24048

Ion Ratio Lower Upper

56 100

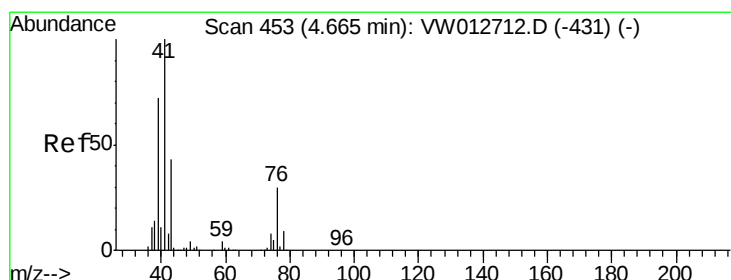
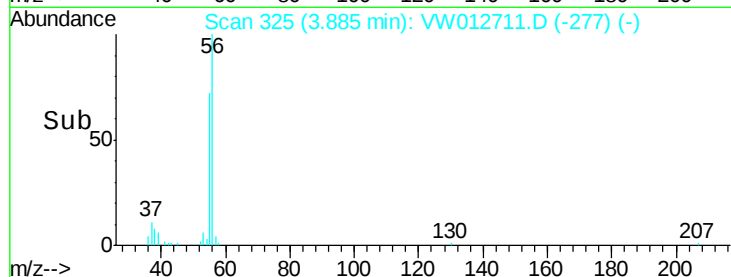
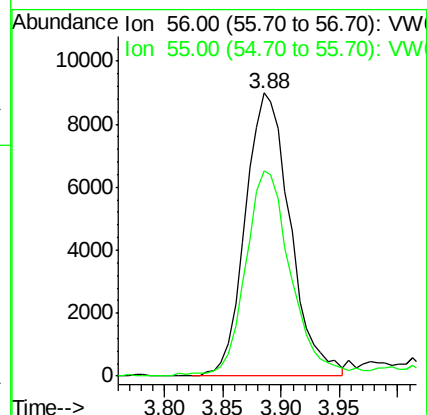
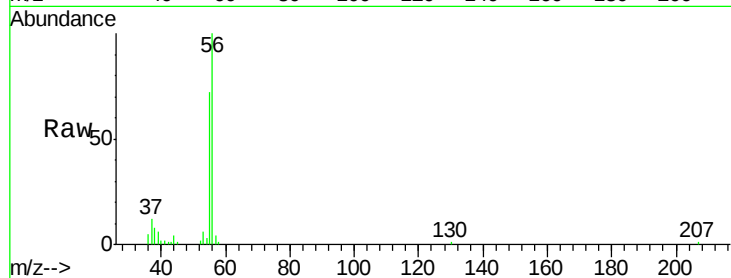
55 73.9 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 19.751 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

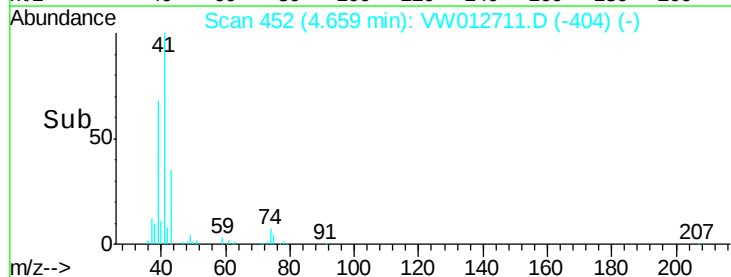
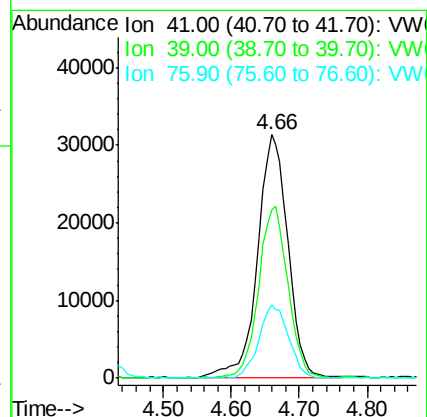
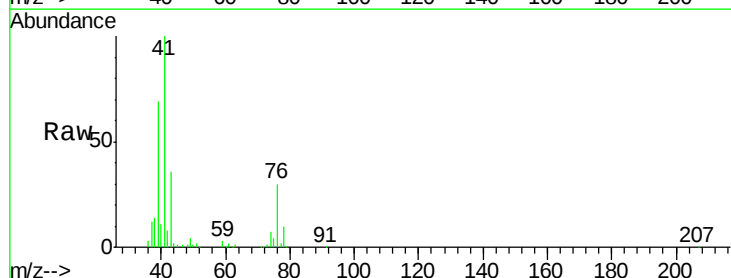
Tgt Ion: 41 Resp: 97110

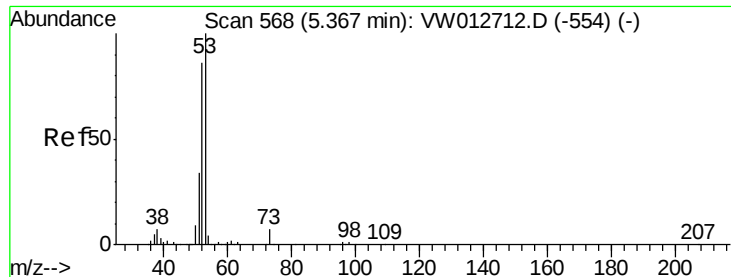
Ion Ratio Lower Upper

41 100

39 68.2 55.0 82.6

76 29.6 23.0 34.4





#15

Acrylonitrile

Concen: 86.931 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA\_W

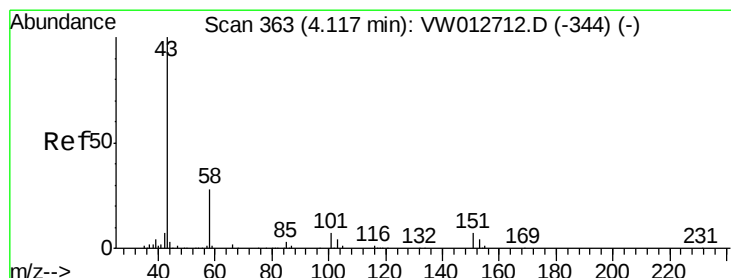
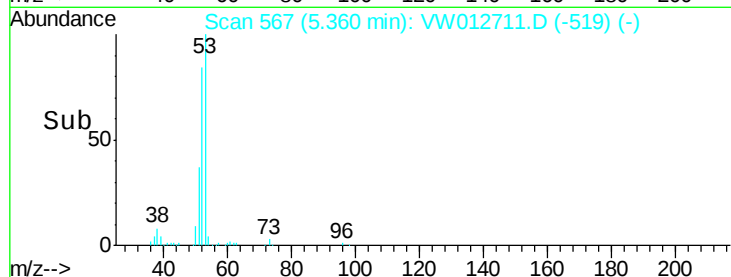
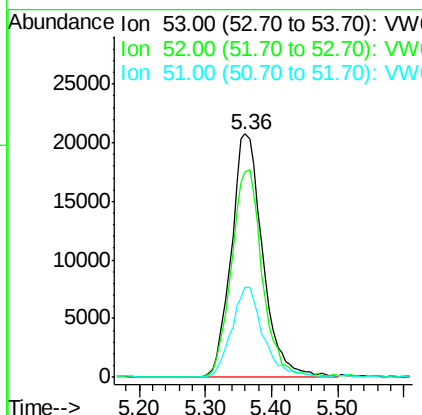
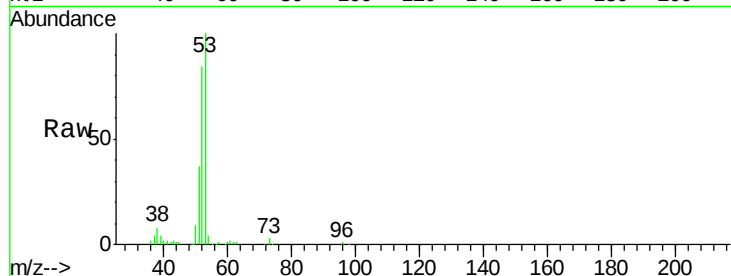
ClientSampled :

VSTDIC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 68467 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 83.1  | 67.0  | 100.4 |
| 51       | 37.3  | 29.8  | 44.8  |

Manual Integrations  
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#16

Acetone

Concen: 81.701 ug/l

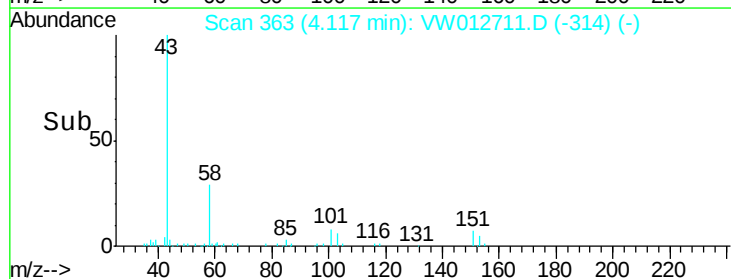
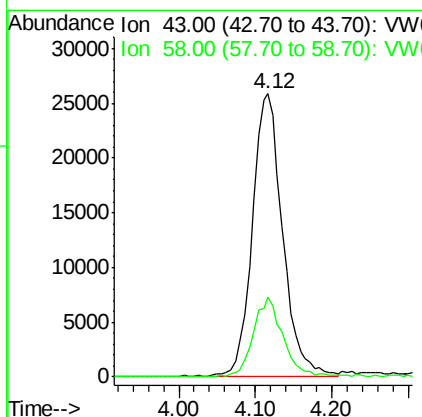
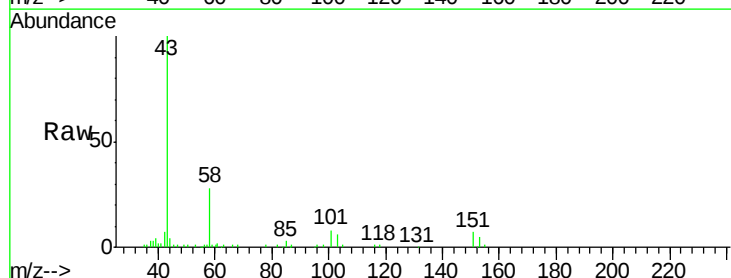
RT: 4.12 min Scan# 363

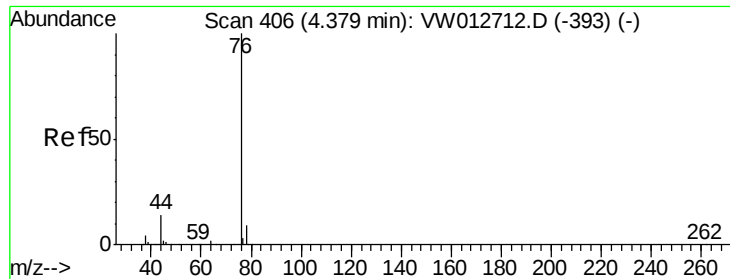
Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 71625 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 28.4  | 22.6  | 33.8  |





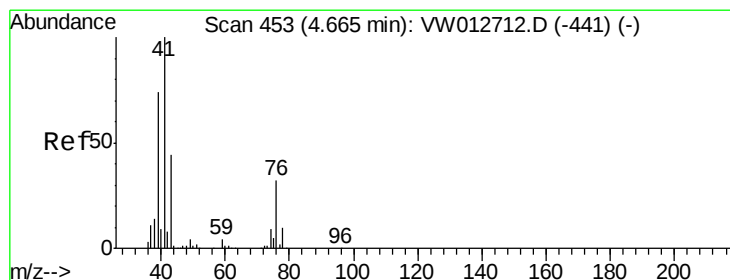
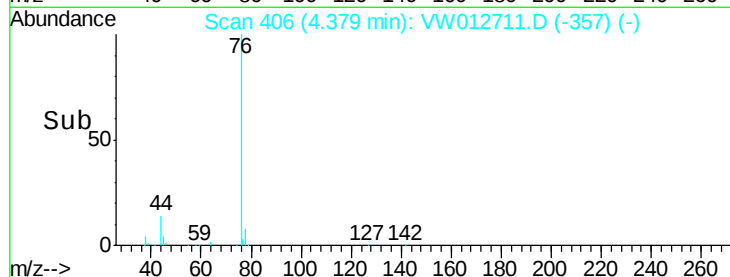
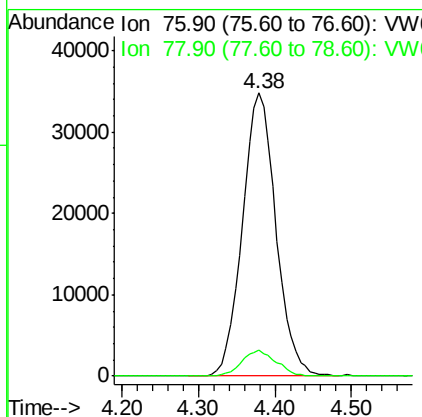
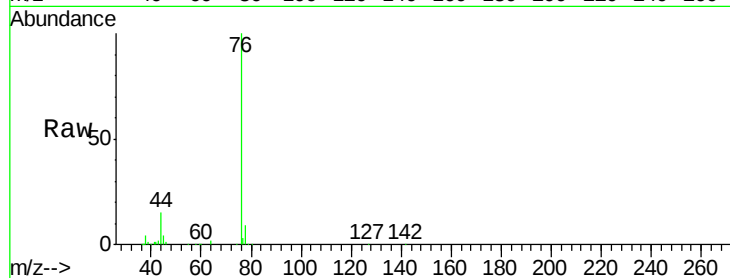
#17  
Carbon Disulfide  
Concen: 21.041 ug/l  
RT: 4.38 min Scan# 406  
Delta R.T. -0.00 min  
Lab File: VW012711.D  
Acq: 07 Sep 2019 10:38

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.0   | 7.2   | 10.8  |

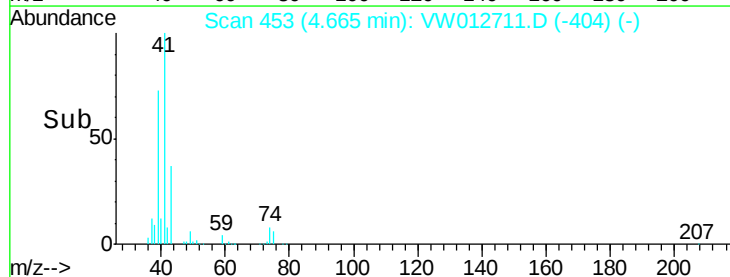
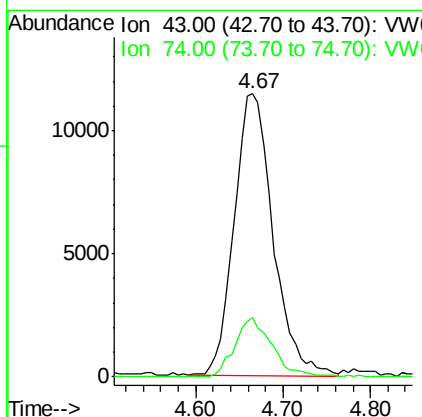
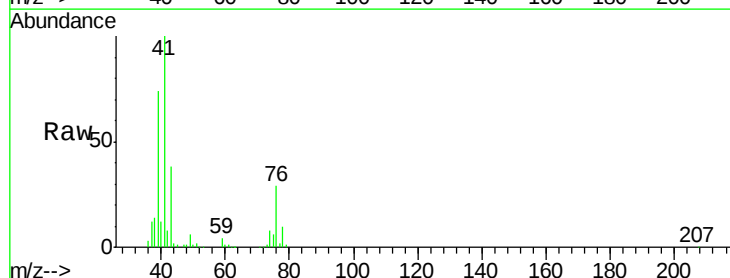
Manual Integrations  
APPROVED

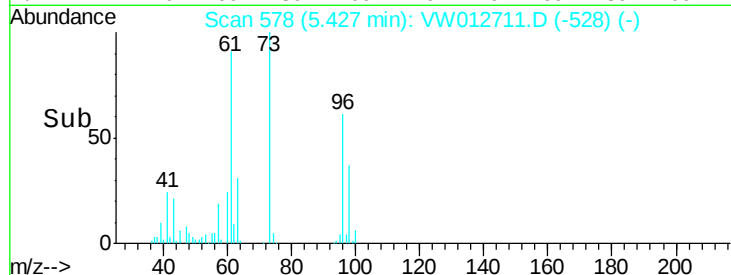
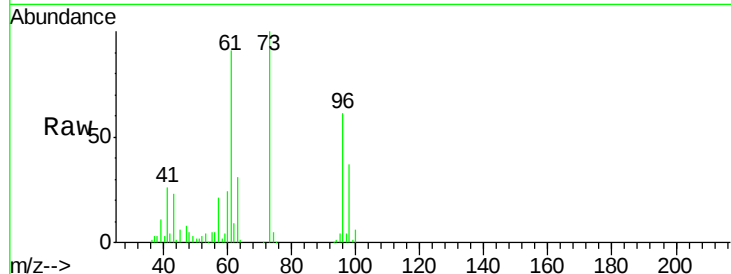
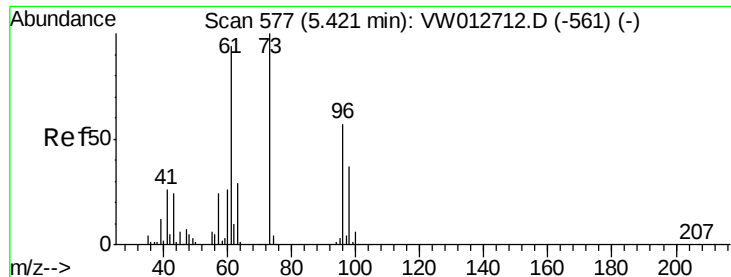
MMDadoda  
9/10/2019 1:02:23 PM



#18  
Methyl Acetate  
Concen: 17.244 ug/l  
RT: 4.67 min Scan# 453  
Delta R.T. -0.00 min  
Lab File: VW012711.D  
Acq: 07 Sep 2019 10:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 19.9  | 15.8  | 23.6  |





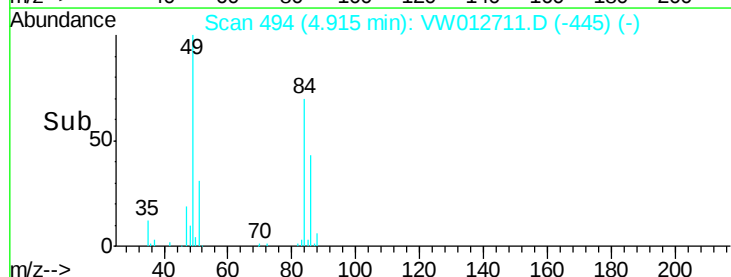
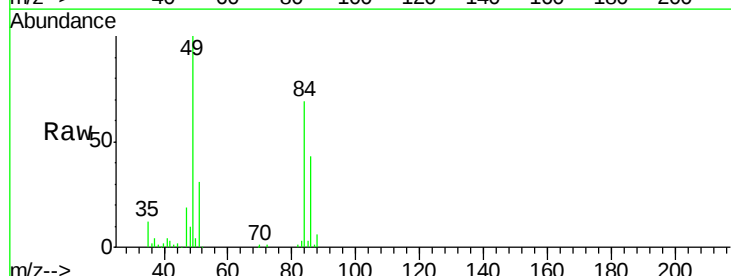
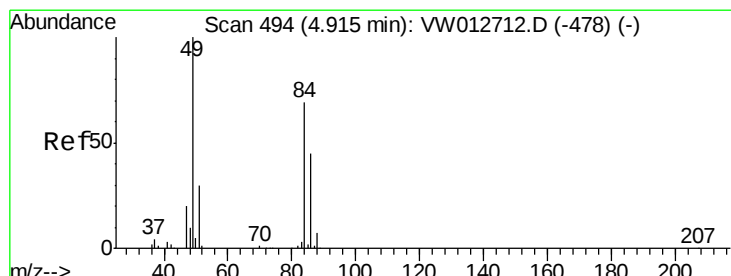
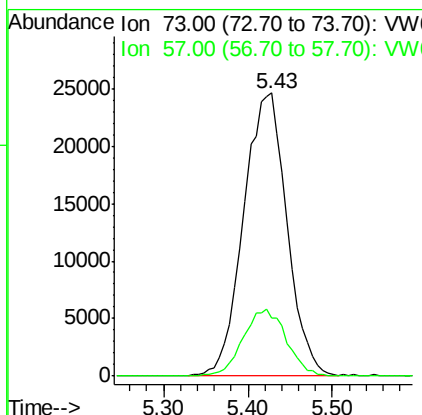
#19  
Methvl tert-butvl Ether  
Concen: 18.351 ug/l  
RT: 5.43 min Scan# 578  
Delta R.T. 0.01 min  
Lab File: VW012711.D  
Acq: 07 Sep 2019 10:38

Tot Ion: 73 Resp: 86500  
Ion Ratio Lower Upper  
73 100  
57 20.5 19.2 28.8

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

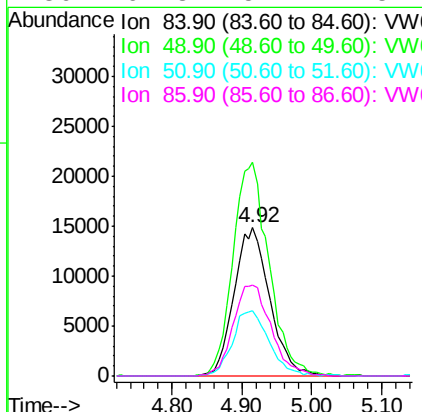
Manual Integrations  
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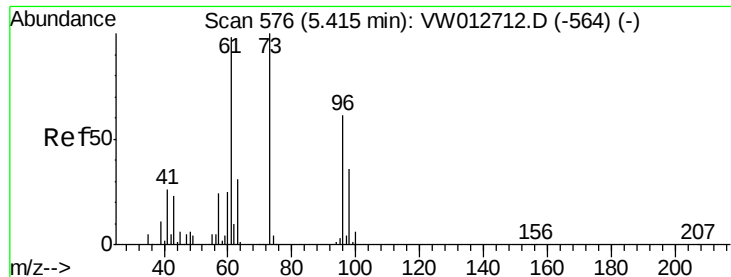
MMDadoda  
9/10/2019 1:02:23 PM



#20  
Methylene Chloride  
Concen: 19.219 ug/l  
RT: 4.92 min Scan# 494  
Delta R.T. -0.00 min  
Lab File: VW012711.D  
Acq: 07 Sep 2019 10:38

Tgt Ion: 84 Resp: 52711  
Ion Ratio Lower Upper  
84 100  
49 144.2 115.4 173.0  
51 44.4 34.9 52.3  
86 61.3 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 20.296 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA\_W

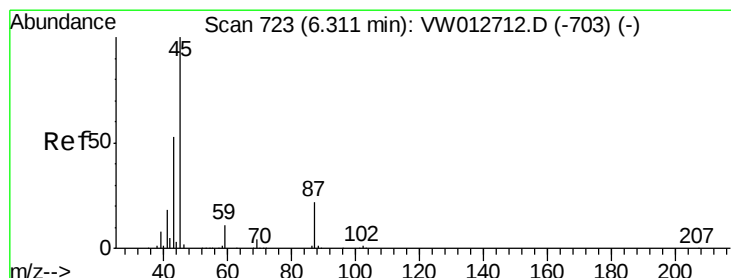
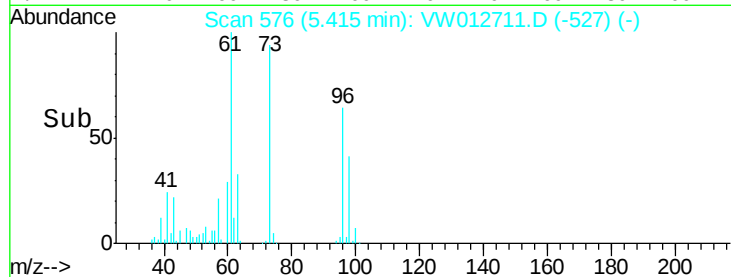
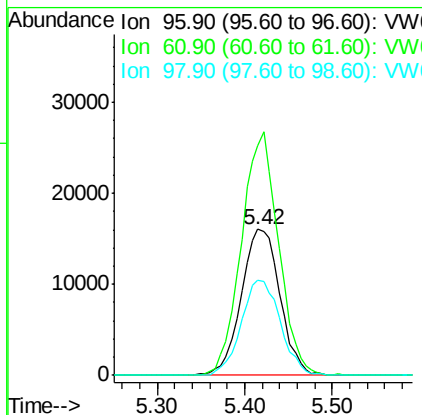
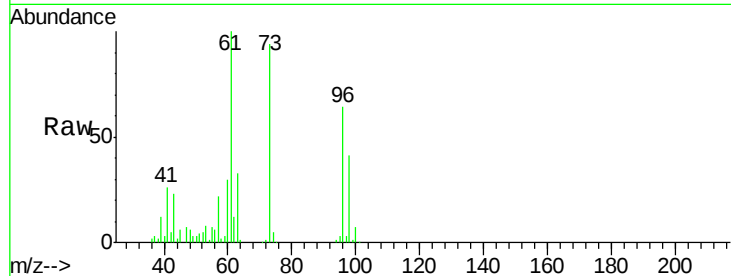
ClientSampleId :

VSTDIC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 49221 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 156.9 | 129.2 | 193.8 |
| 98       | 65.1  | 48.0  | 72.0  |

Manual Integrations  
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9/10/2019 1:02:23 PM



#22

Diisopropyl ether

Concen: 18.678 ug/l

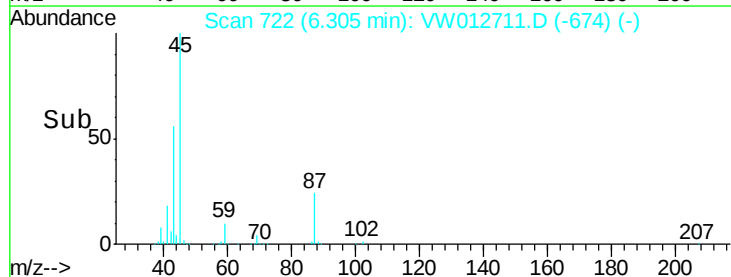
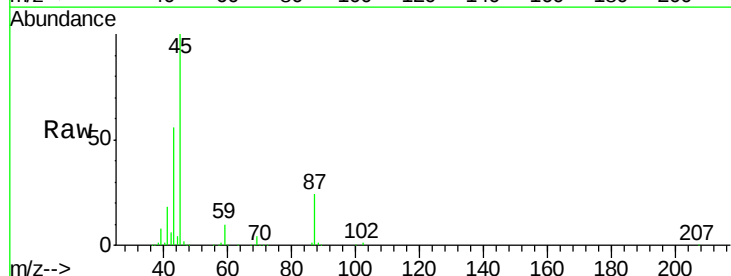
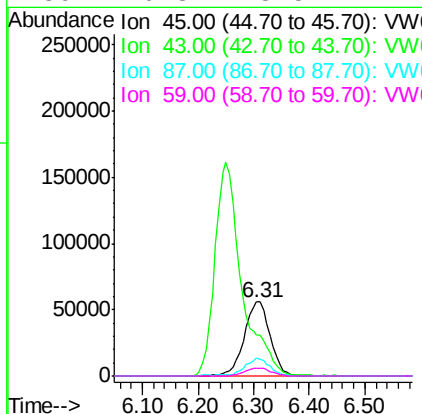
RT: 6.31 min Scan# 722

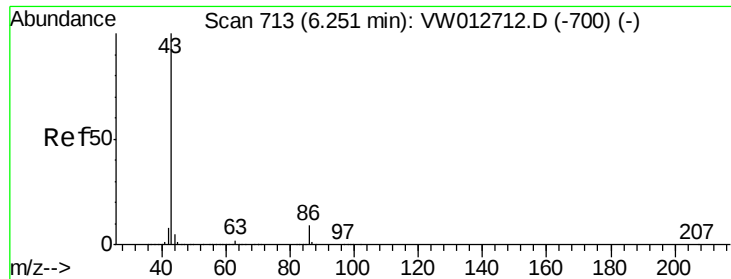
Delta R.T. -0.01 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 182140 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 55.8  | 42.3  | 63.5   |
| 87       | 24.0  | 18.2  | 27.2   |
| 59       | 10.3  | 8.5   | 12.7   |





#23

Vinyl Acetate

Concen: 87.478 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 540614

Ion Ratio Lower Upper

43 100

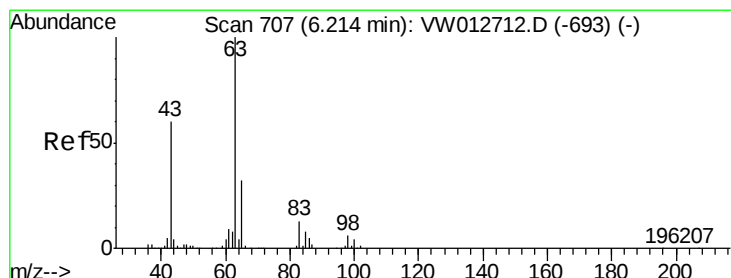
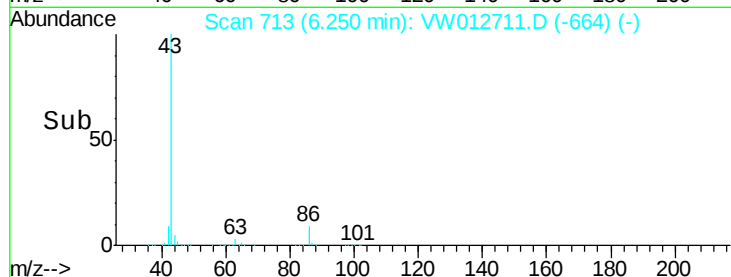
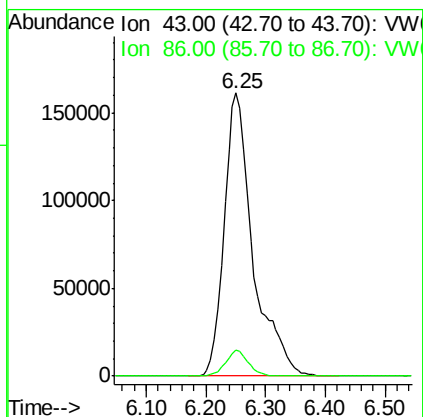
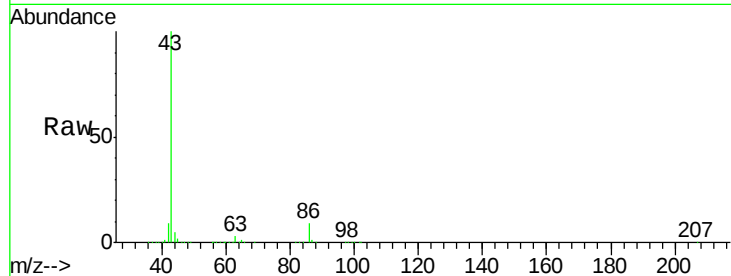
86 9.4 7.0 10.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.428 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

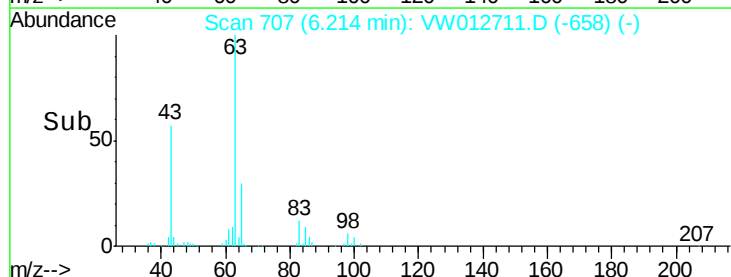
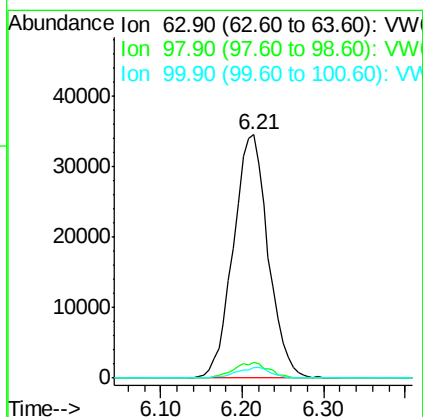
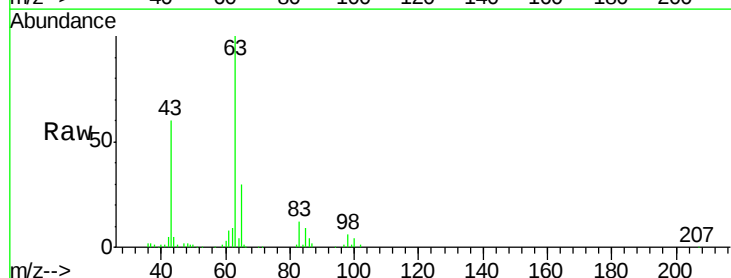
Tgt Ion: 63 Resp: 102008

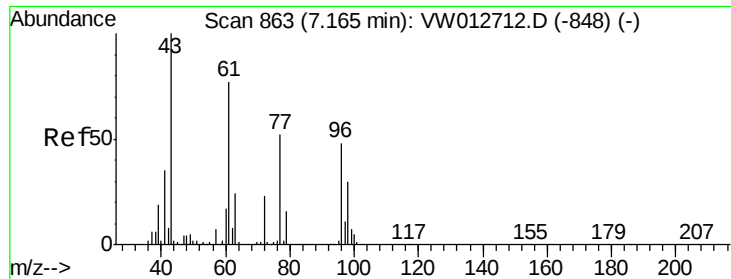
Ion Ratio Lower Upper

63 100

98 6.4 3.1 9.3

100 4.5 1.8 5.5





#25

2-Butanone

Concen: 85.245 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 98644

Ion Ratio Lower Upper

43 100

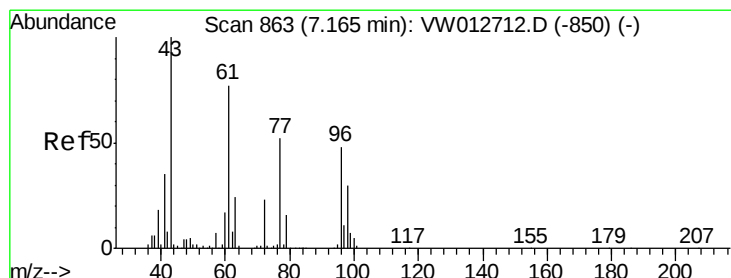
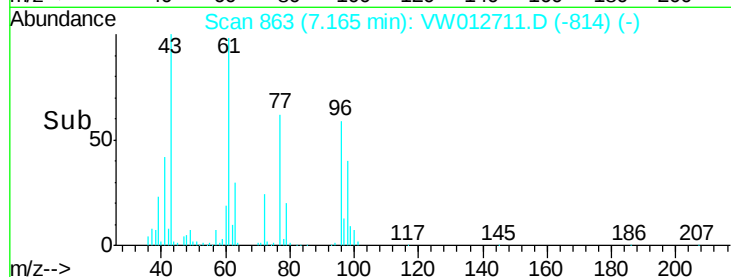
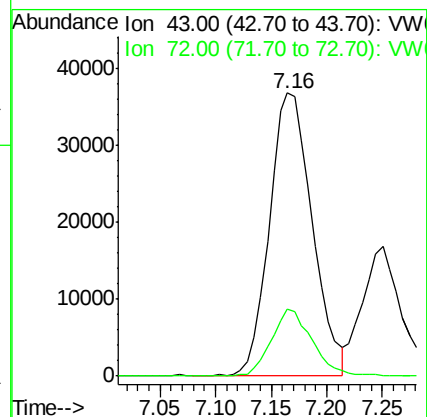
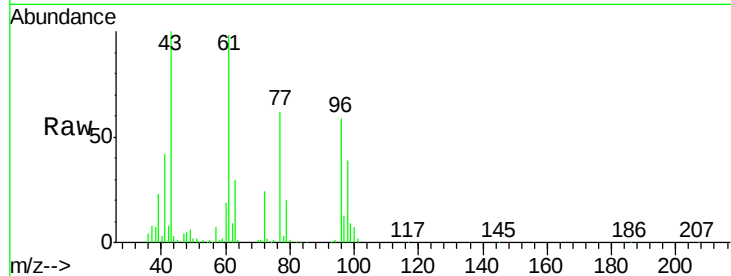
72 23.9 18.0 27.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.064 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012711.D

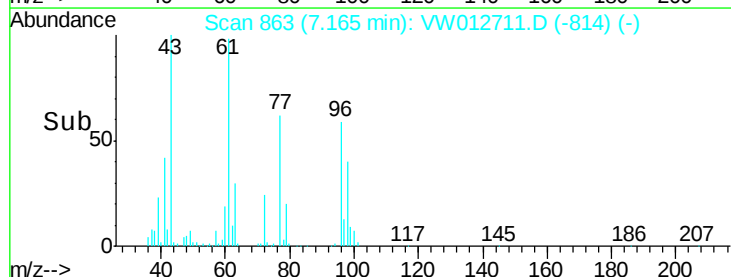
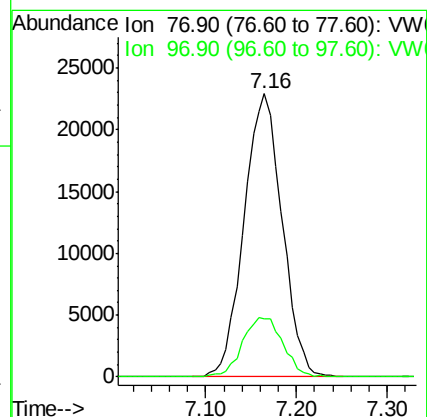
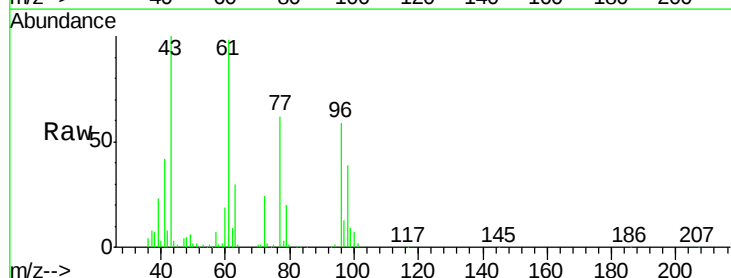
Acq: 07 Sep 2019 10:38

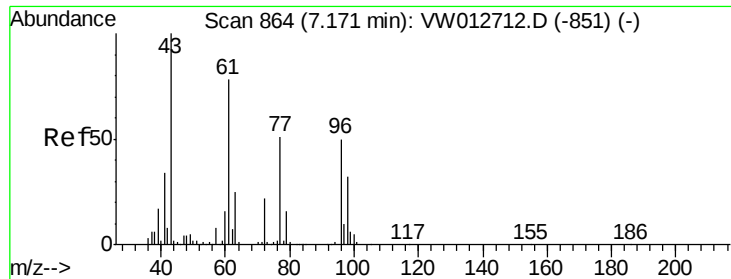
Tgt Ion: 77 Resp: 66539

Ion Ratio Lower Upper

77 100

97 22.2 10.7 32.1





#27

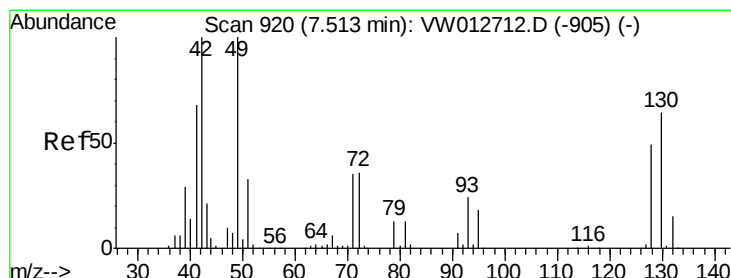
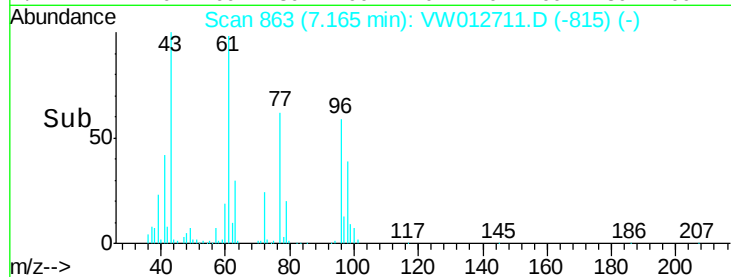
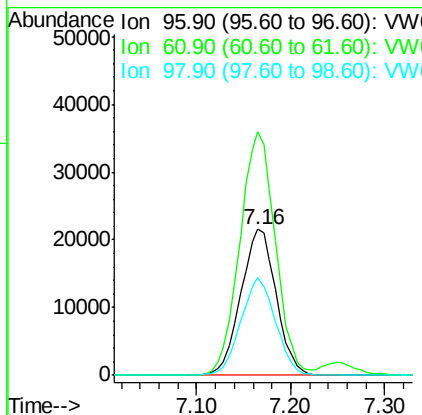
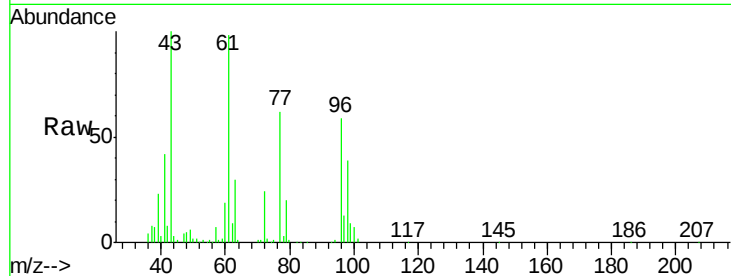
cis-1,2-Dichloroethene  
Concen: 20.053 ug/l  
RT: 7.16 min Scan# 863  
Delta R.T. -0.01 min  
Lab File: VW012711.D  
Acq: 07 Sep 2019 10:38

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC020

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 96      | 100   | 56388 |       |       |
| 61      | 167.3 | 0.0   | 325.8 |       |
| 98      | 65.5  | 0.0   | 127.0 |       |

Manual Integrations  
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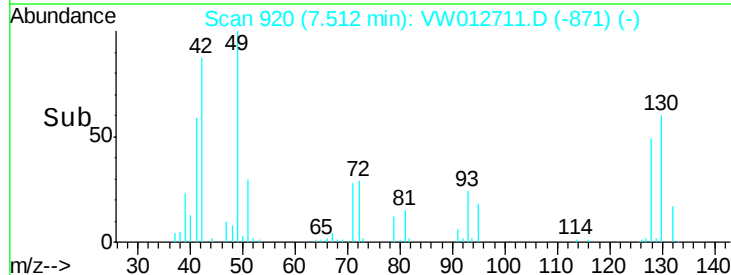
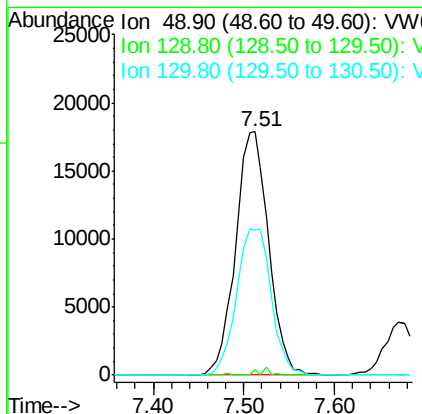
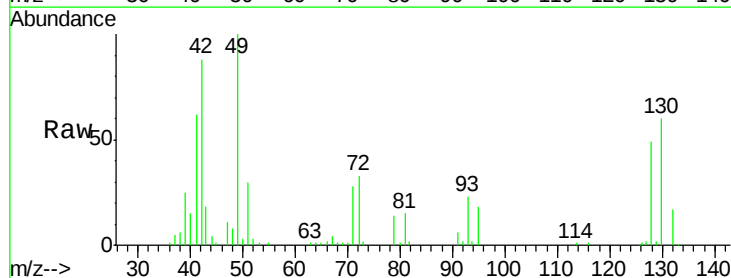
MMDadoda  
9/10/2019 1:02:23 PM



#28

Bromochloromethane  
Concen: 18.731 ug/l  
RT: 7.51 min Scan# 920  
Delta R.T. -0.00 min  
Lab File: VW012711.D  
Acq: 07 Sep 2019 10:38

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 49      | 100   | 45159 |       |       |
| 129     | 0.3   | 0.0   | 0.8   |       |
| 130     | 62.8  | 49.8  | 74.8  |       |





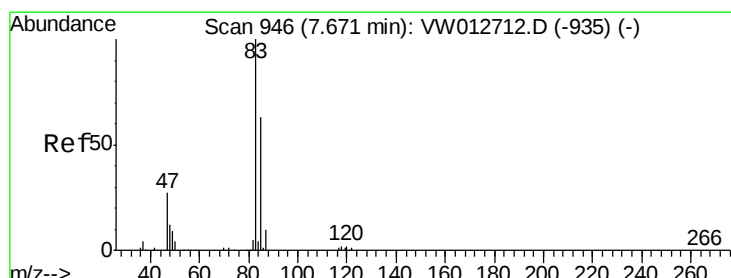
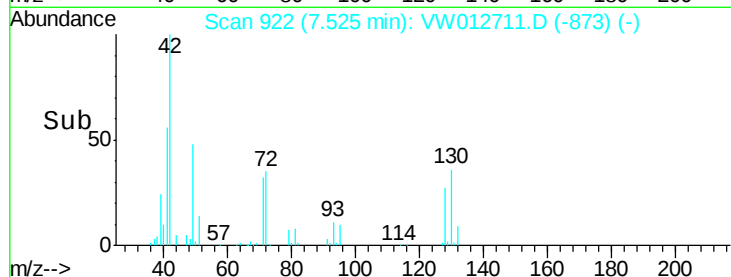
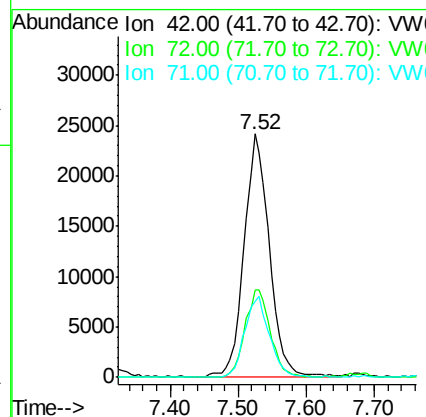
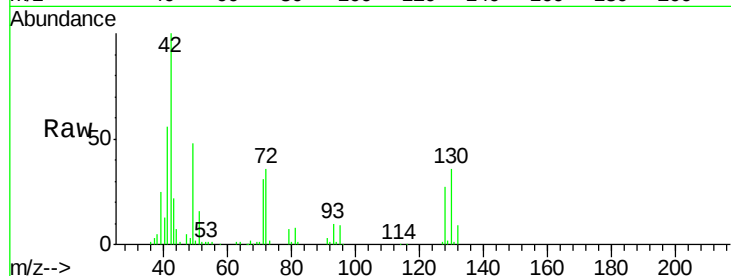
#29  
Tetrahydrofuran  
Concen: 88.273 ug/l  
RT: 7.52 min Scan# 922  
Delta R.T. -0.00 min  
Lab File: VW012711.D  
Acq: 07 Sep 2019 10:38

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 36.0  | 28.4  | 42.6  |
| 71      | 32.4  | 27.1  | 40.7  |

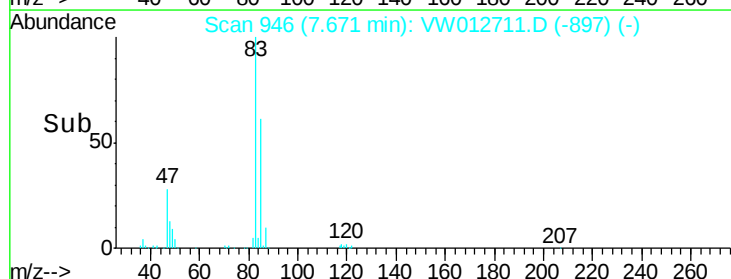
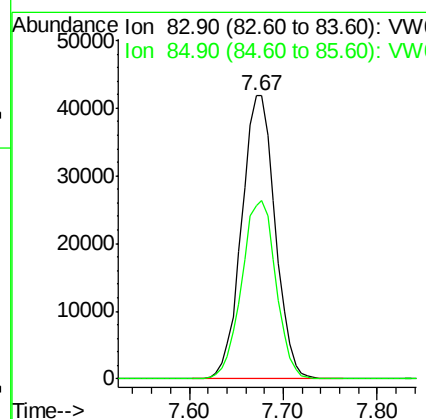
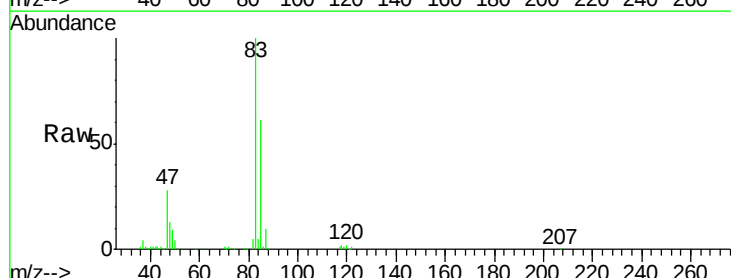
Manual Integrations  
APPROVED

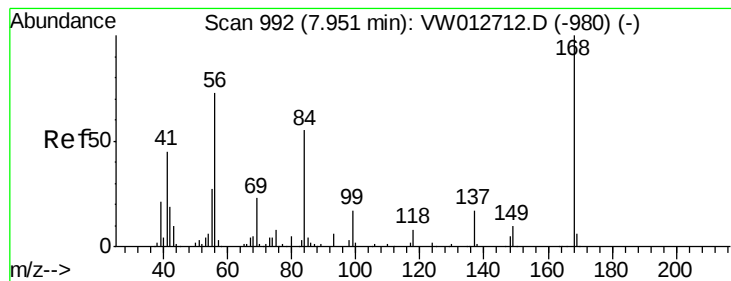
MMDadoda  
9/10/2019 1:02:23 PM



#30  
Chloroform  
Concen: 19.982 ug/l  
RT: 7.67 min Scan# 946  
Delta R.T. -0.00 min  
Lab File: VW012711.D  
Acq: 07 Sep 2019 10:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 61.4  | 50.6  | 76.0  |





#31

Cyclohexane

Concen: 20.046 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA\_W

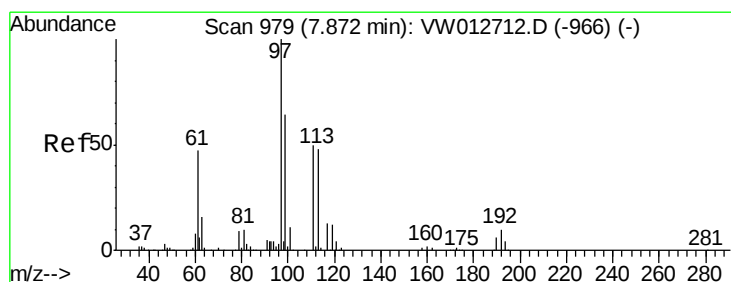
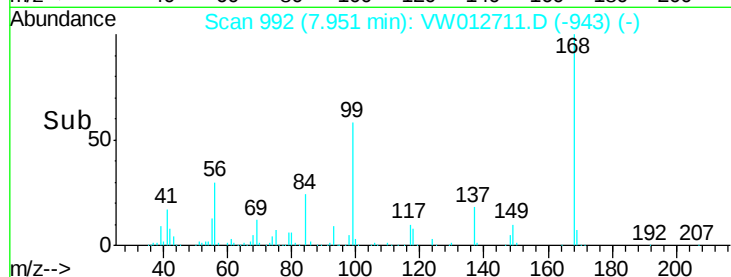
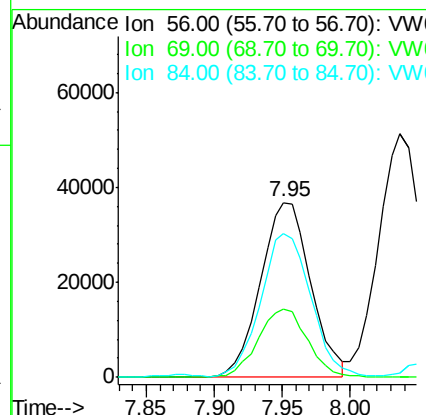
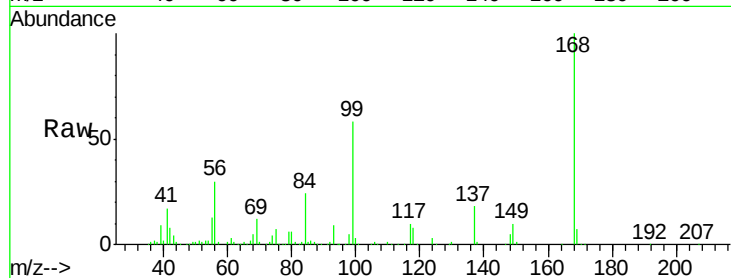
ClientSampleId :

VSTDIC020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 56    | Resp: | 94758 |
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 69        | 39.0  | 25.7  | 38.5# |
| 84        | 81.2  | 60.4  | 90.6  |

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#32

1,1,1-Trichloroethane

Concen: 19.917 ug/l

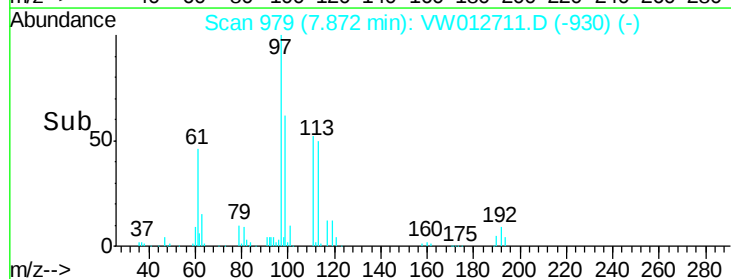
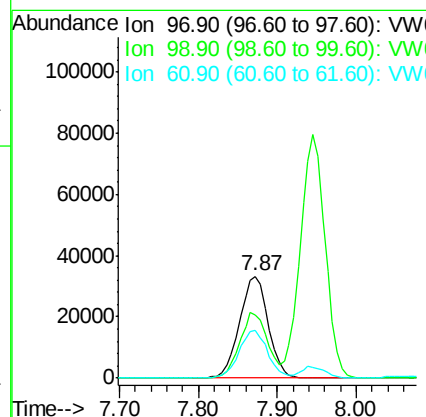
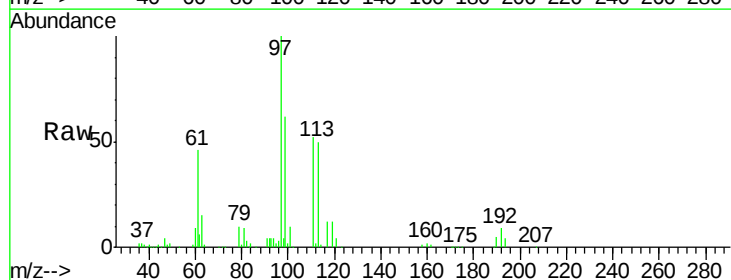
RT: 7.87 min Scan# 979

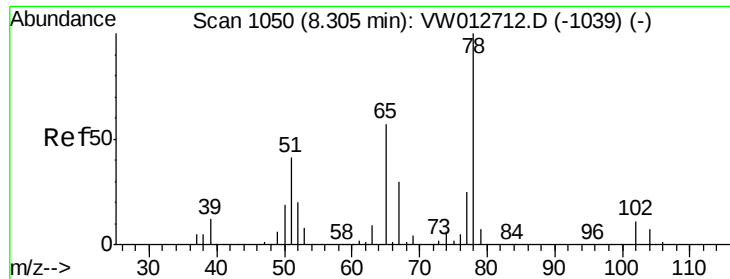
Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 97    | Resp: | 84011 |
| Ion Ratio | Lower | Upper |       |
| 97        | 100   |       |       |
| 99        | 62.2  | 51.5  | 77.3  |
| 61        | 46.6  | 37.9  | 56.9  |





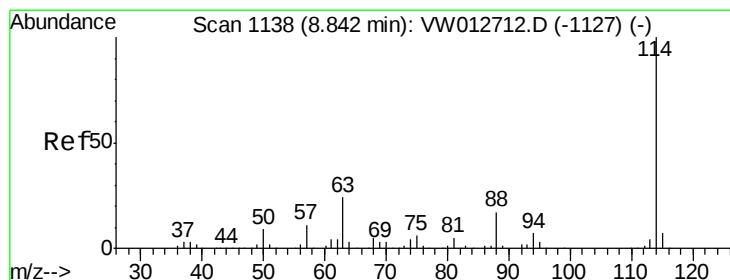
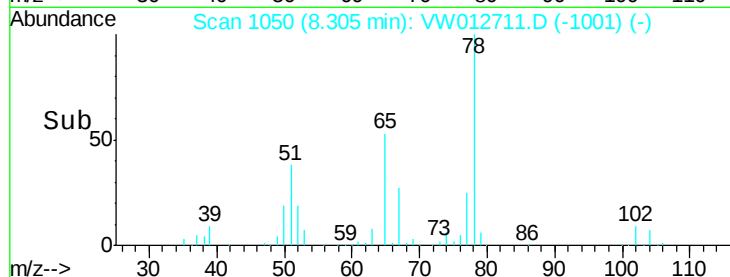
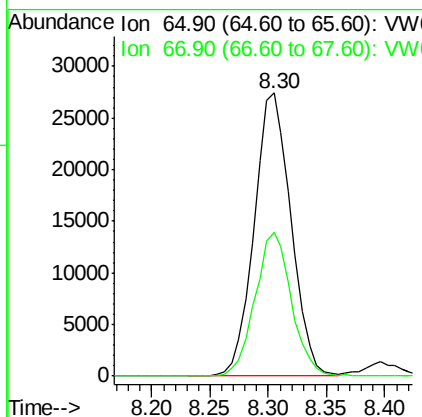
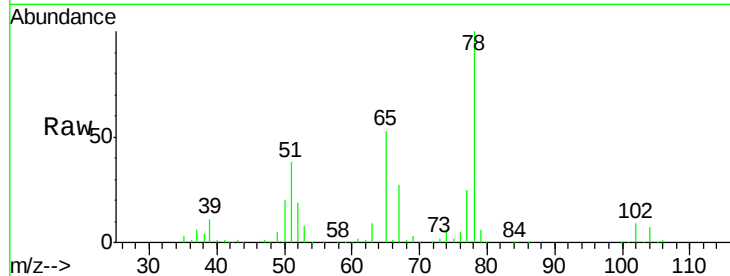
#33  
 1,2-Dichloroethane-d4  
 Concen: 18.813 ug/l  
 RT: 8.30 min Scan# 1050  
 Delta R.T. -0.00 min  
 Lab File: VW012711.D  
 Acq: 07 Sep 2019 10:38

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC020

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 65      | 100   | 60499 |       |       |
| 67      | 50.3  | 0.0   | 101.8 |       |

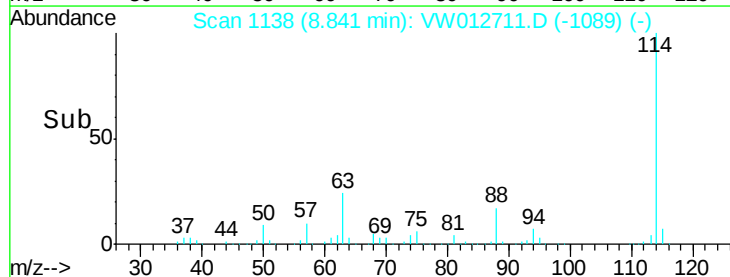
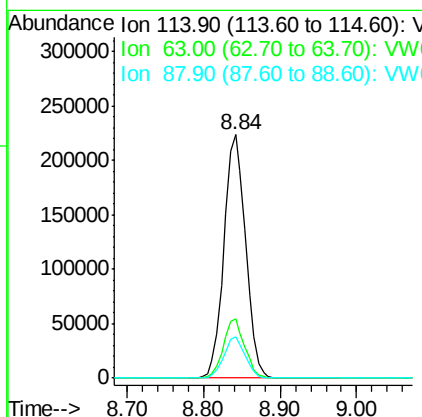
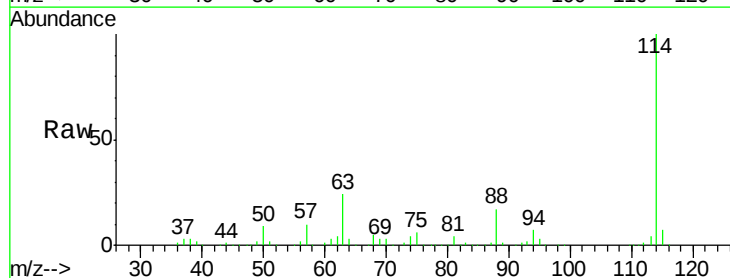
Manual Integrations  
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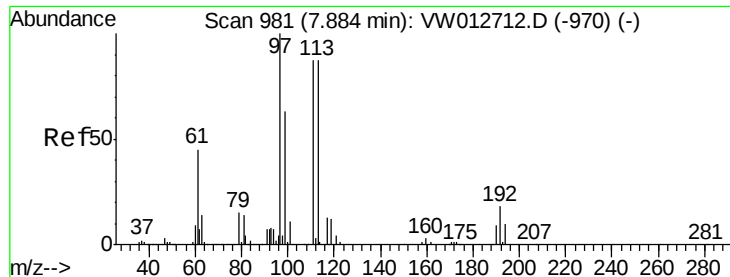
MMDadoda  
 9/10/2019 1:02:23 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW012711.D  
 Acq: 07 Sep 2019 10:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 436185 |       |       |
| 63      | 24.3  | 0.0    | 47.2  |       |
| 88      | 17.1  | 0.0    | 34.0  |       |





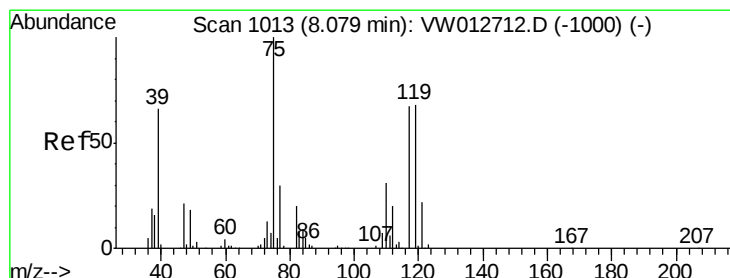
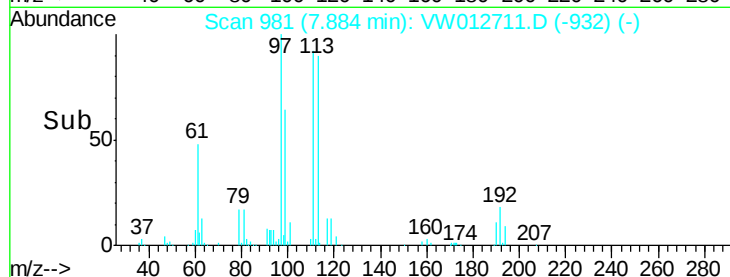
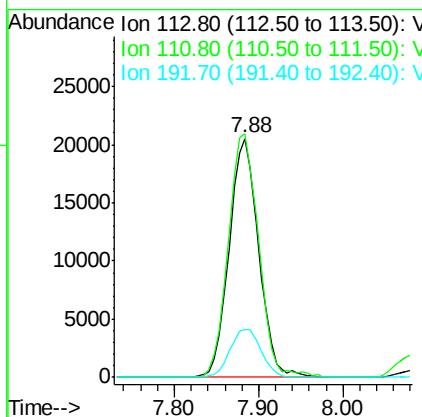
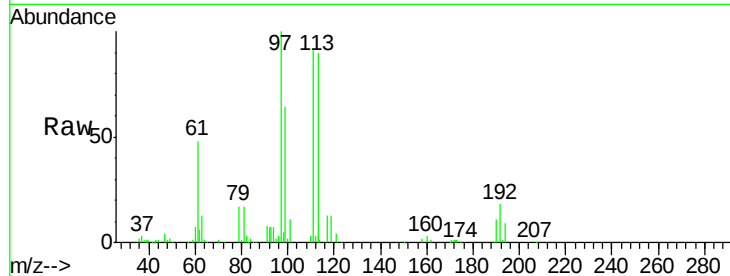
#35  
Dibromofluoromethane  
Concen: 18.745 ug/l  
RT: 7.88 min Scan# 981  
Delta R.T. -0.00 min  
Lab File: VW012711.D  
Acq: 07 Sep 2019 10:38

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 105.2 | 80.2  | 120.4 |
| 192     | 21.2  | 17.3  | 25.9  |

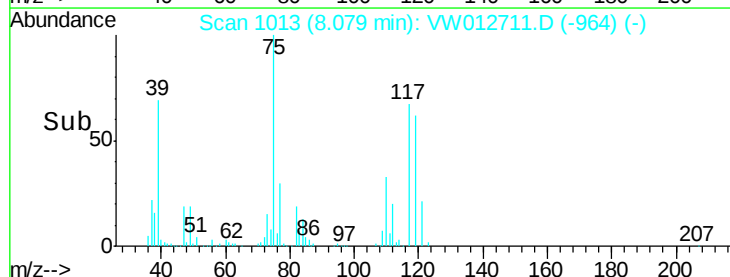
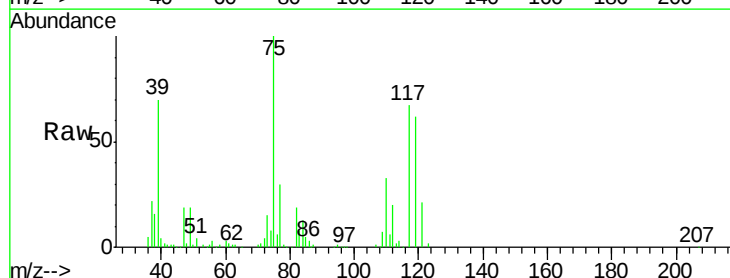
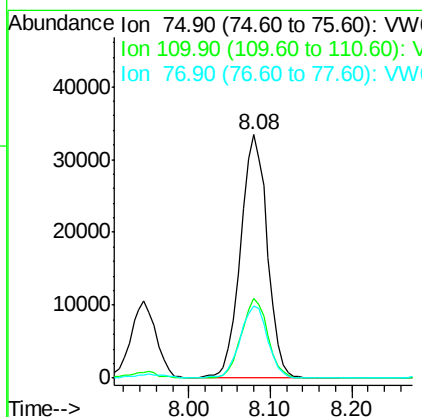
Manual Integrations  
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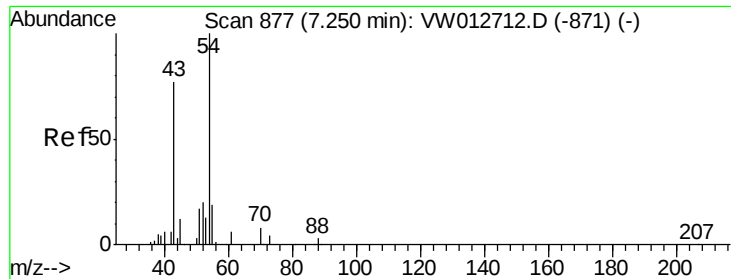
MMDadoda  
9/10/2019 1:02:23 PM



#36  
1,1-Dichloropropene  
Concen: 19.556 ug/l  
RT: 8.08 min Scan# 1013  
Delta R.T. -0.00 min  
Lab File: VW012711.D  
Acq: 07 Sep 2019 10:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 32.2  | 15.9  | 47.7  |
| 77      | 30.6  | 25.0  | 37.4  |





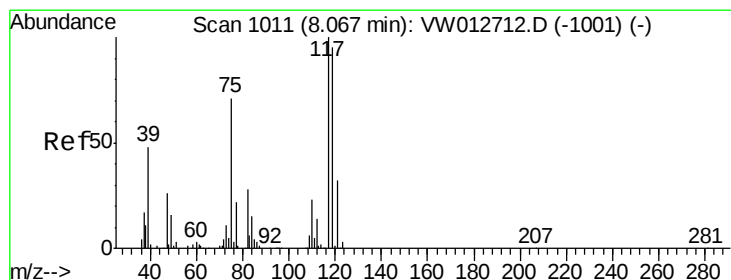
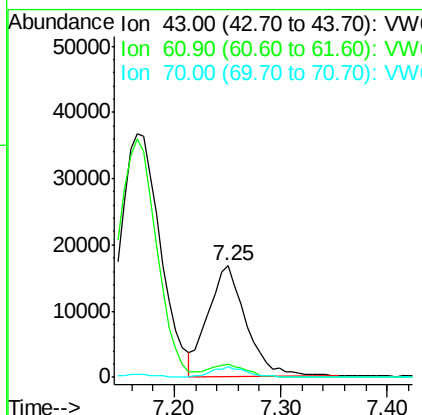
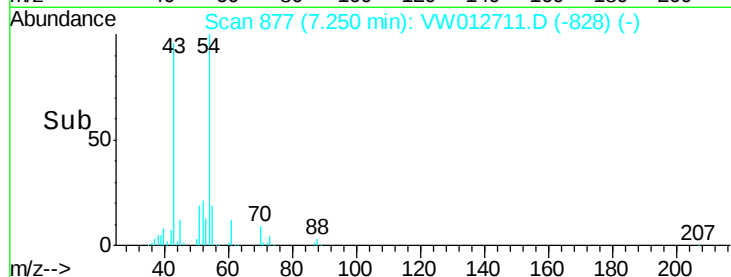
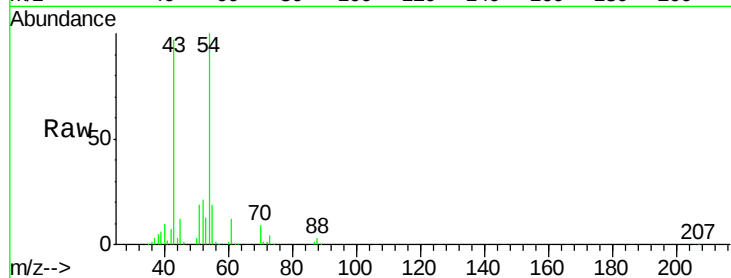
#37  
Ethyl Acetate  
Concen: 16.615 ug/l  
RT: 7.25 min Scan# 877  
Delta R.T. -0.00 min  
Lab File: VW012711.D  
Acq: 07 Sep 2019 10:38

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 12.1  | 9.5   | 14.3  |
| 70      | 9.0   | 7.0   | 10.6  |

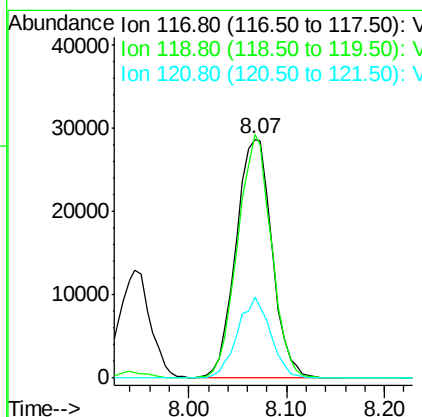
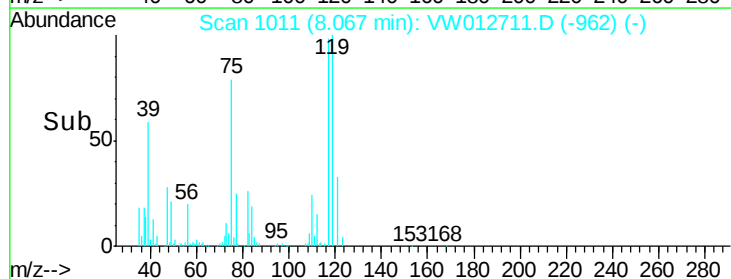
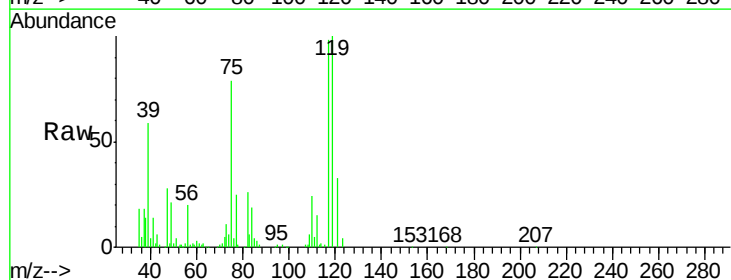
Manual Integrations  
APPROVED

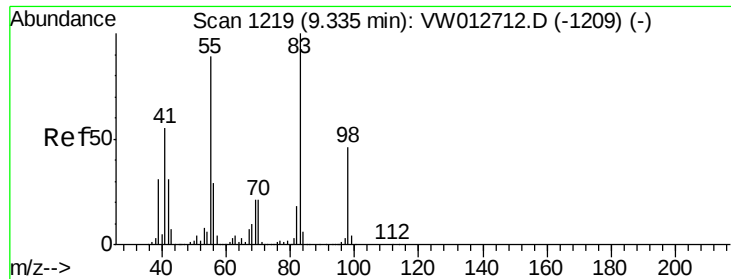
MMDadoda  
9/10/2019 1:02:23 PM



#38  
Carbon Tetrachloride  
Concen: 19.217 ug/l  
RT: 8.07 min Scan# 1011  
Delta R.T. -0.00 min  
Lab File: VW012711.D  
Acq: 07 Sep 2019 10:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 102.0 | 76.2  | 114.2 |
| 121     | 34.1  | 25.4  | 38.2  |





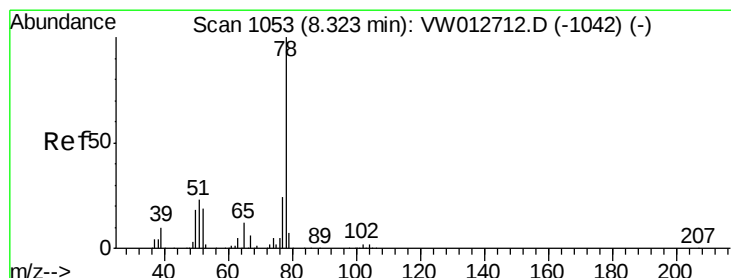
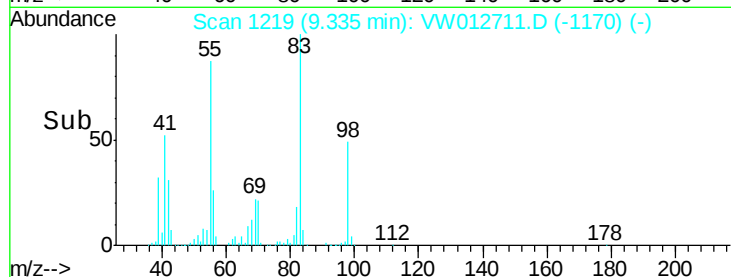
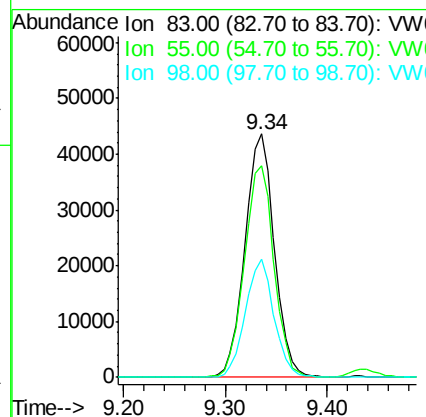
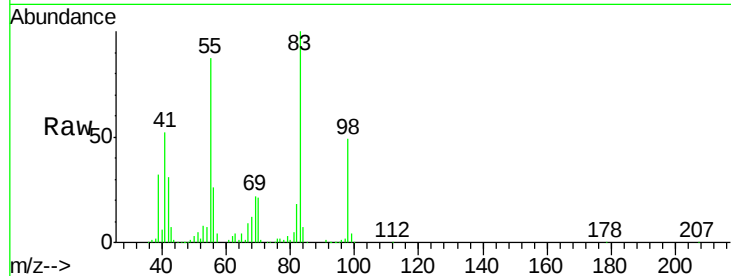
#39  
Methylvlcyclohexane  
Concen: 20.112 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. -0.00 min  
Lab File: VW012711.D  
Acq: 07 Sep 2019 10:38

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

| Tot Ion   | 83    | Resp  | 87546 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 55        | 87.1  | 71.0  | 106.4 |
| 98        | 48.7  | 36.9  | 55.3  |

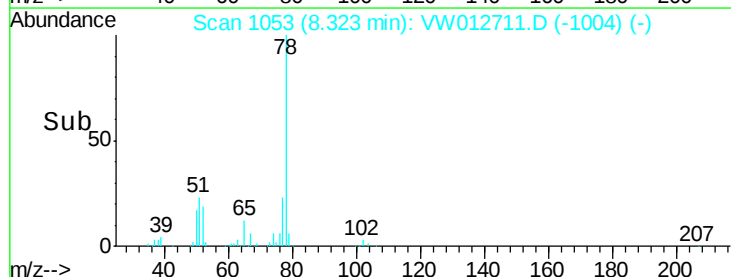
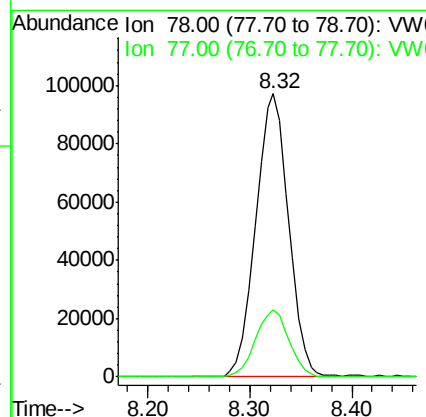
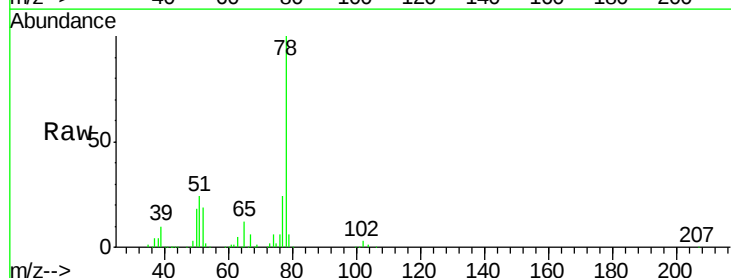
Manual Integrations  
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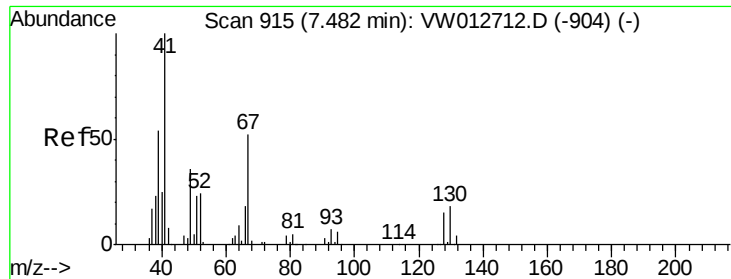
MMDadoda  
9/10/2019 1:02:23 PM



#40  
Benzene  
Concen: 20.187 ug/l  
RT: 8.32 min Scan# 1053  
Delta R.T. -0.00 min  
Lab File: VW012711.D  
Acq: 07 Sep 2019 10:38

| Tgt Ion   | 78    | Resp  | 217069 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 78        | 100   |       |        |
| 77        | 23.6  | 19.3  | 28.9   |





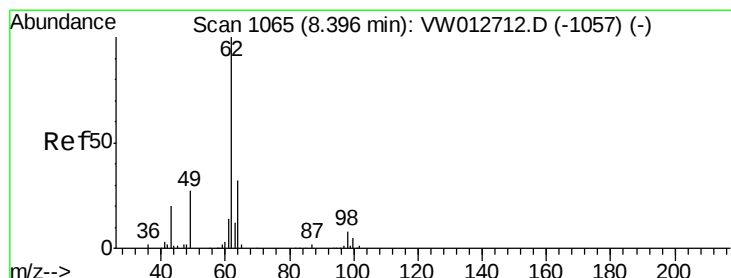
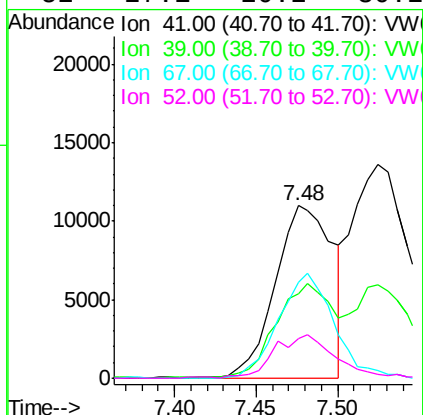
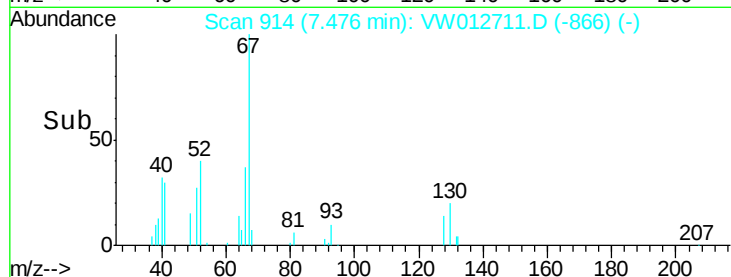
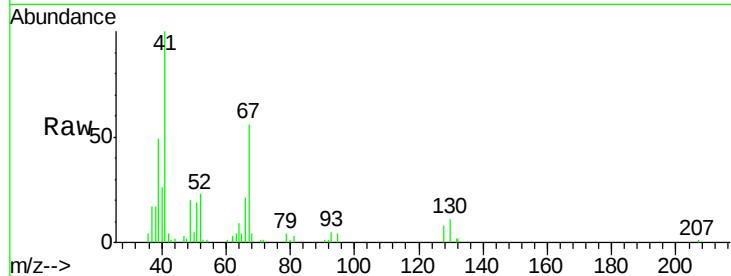
#41  
Methacrylonitrile  
Concen: 18.076 ug/l  
RT: 7.48 min Scan# 914  
Delta R.T. -0.01 min  
Lab File: VW012711.D  
Acq: 07 Sep 2019 10:38

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 41      | 100  |       | 26927 |       |       |
| 39      | 52.4 | 47.5  | 71.3  |       |       |
| 67      | 58.8 | 45.1  | 67.7  |       |       |
| 52      | 27.1 | 20.2  | 30.2  |       |       |

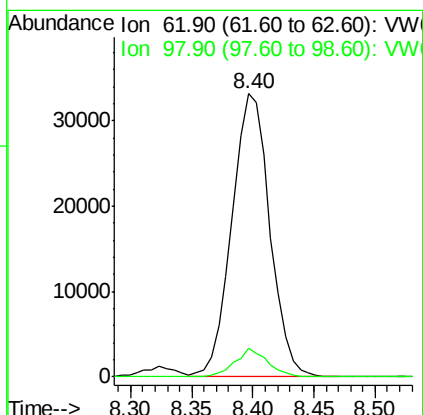
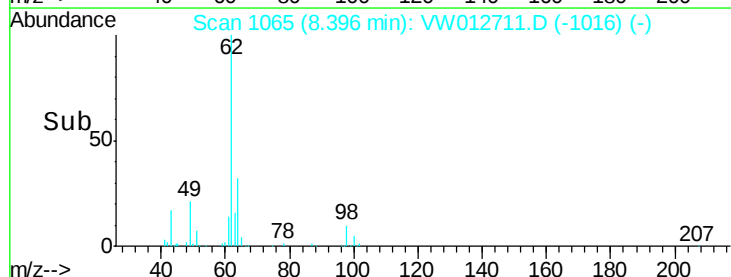
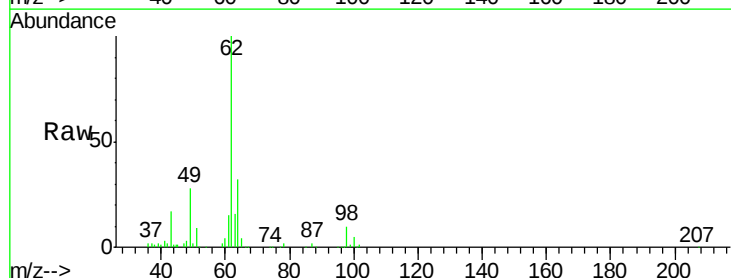
Manual Integrations  
APPROVED

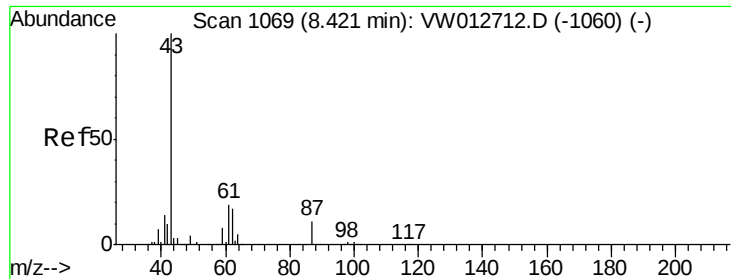
MMDadoda  
9/10/2019 1:02:23 PM



#42  
1,2-Dichloroethane  
Concen: 18.899 ug/l  
RT: 8.40 min Scan# 1065  
Delta R.T. -0.00 min  
Lab File: VW012711.D  
Acq: 07 Sep 2019 10:38

| Tgt Ion | Ion | Ratio | Resp  | Lower | Upper |
|---------|-----|-------|-------|-------|-------|
| 62      | 100 |       | 71521 |       |       |
| 98      | 8.7 | 0.0   | 16.2  |       |       |





#43

Isopropyl Acetate

Concen: 17.333 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA\_W

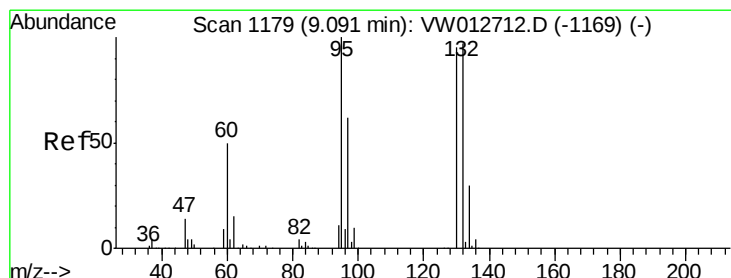
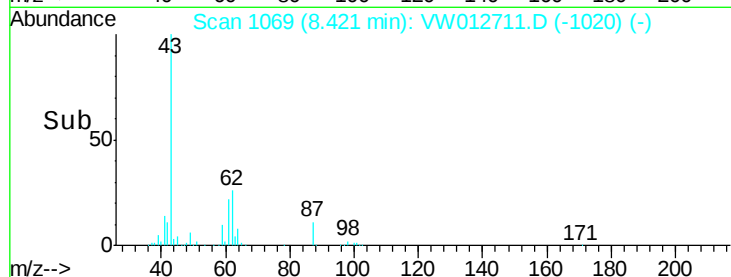
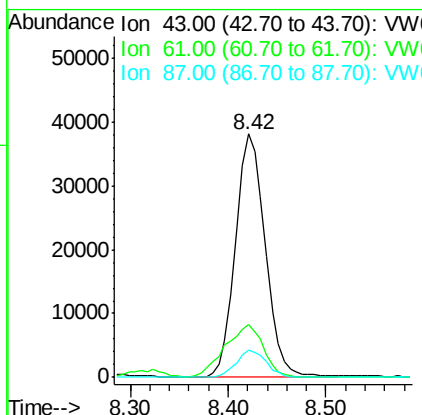
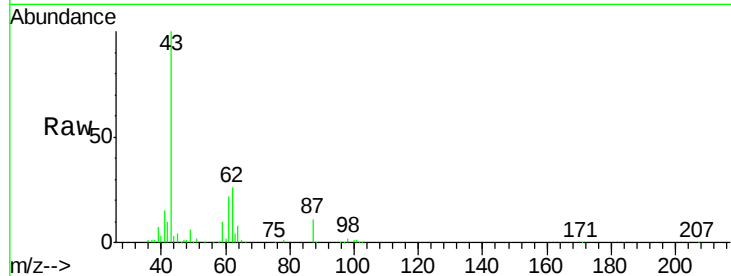
ClientSampleId :

VSTDIC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 81129 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 27.9  | 20.6  | 30.8  |
| 87       | 11.4  | 8.6   | 13.0  |

Manual Integrations  
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#44

Trichloroethene

Concen: 19.763 ug/l

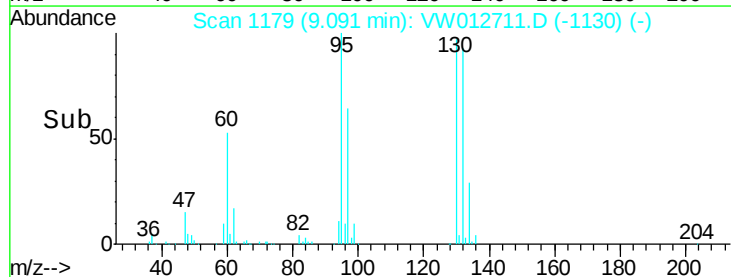
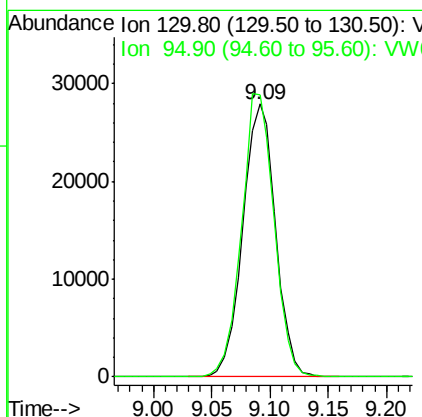
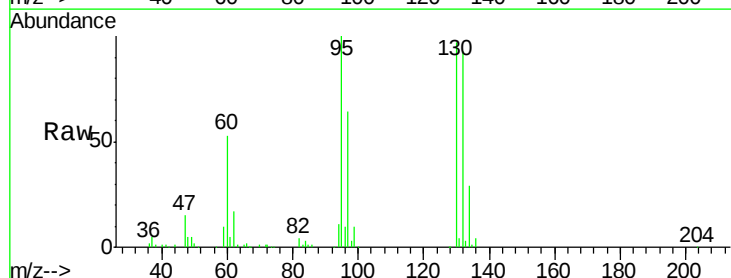
RT: 9.09 min Scan# 1179

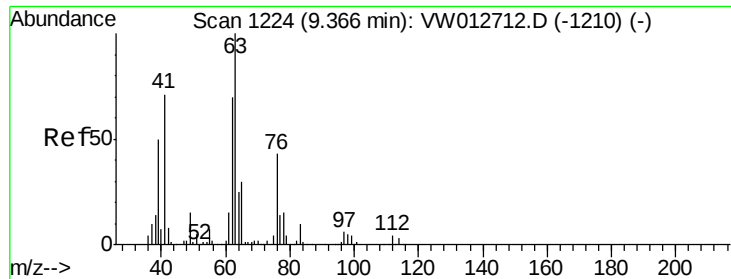
Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 54779 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 103.3 | 0.0   | 210.6 |





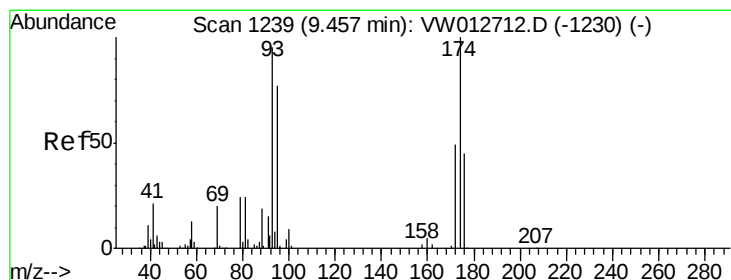
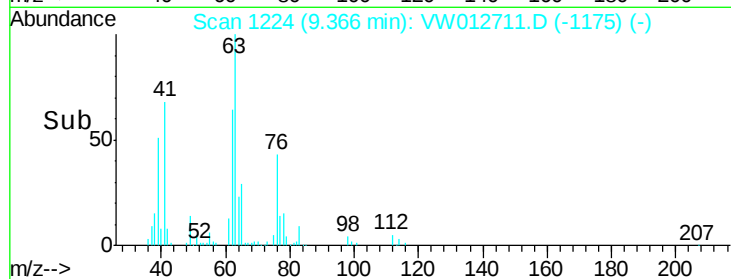
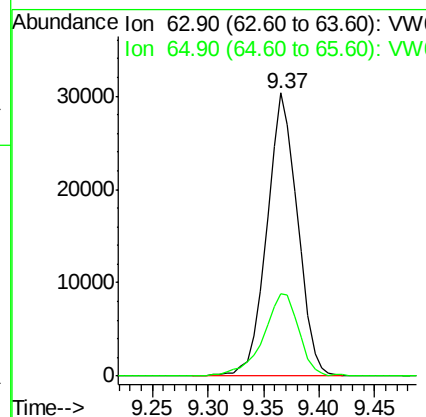
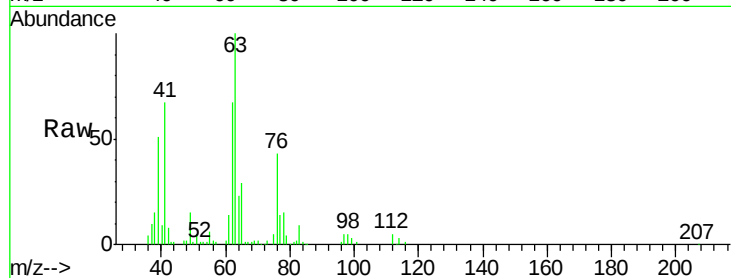
#45  
 1,2-Dichloropropane  
 Concen: 19.525 ug/l  
 RT: 9.37 min Scan# 1224  
 Delta R.T. -0.00 min  
 Lab File: VW012711.D  
 Acq: 07 Sep 2019 10:38

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 29.0  | 23.8  | 35.8  |

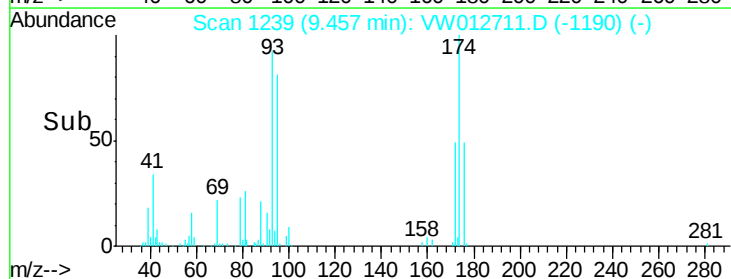
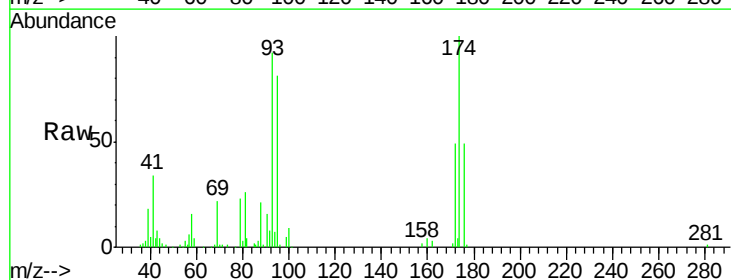
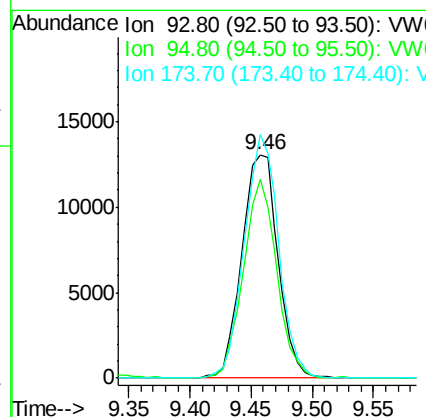
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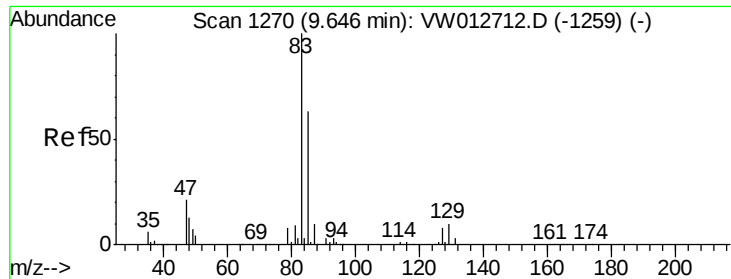
MMDadoda  
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#46  
 Dibromomethane  
 Concen: 19.032 ug/l  
 RT: 9.46 min Scan# 1239  
 Delta R.T. -0.00 min  
 Lab File: VW012711.D  
 Acq: 07 Sep 2019 10:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 82.2  | 65.2  | 97.8  |
| 174     | 103.3 | 84.2  | 126.4 |





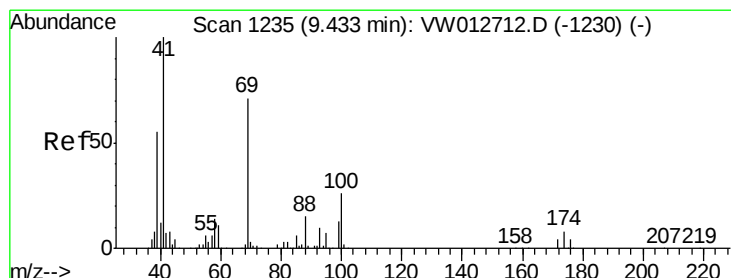
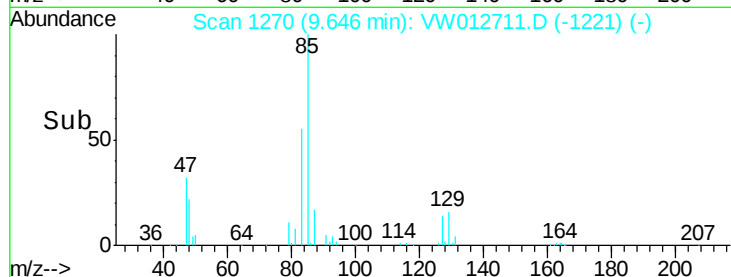
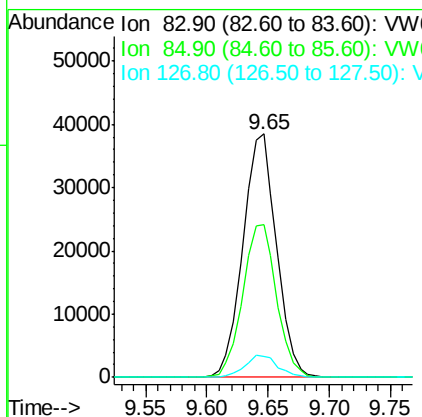
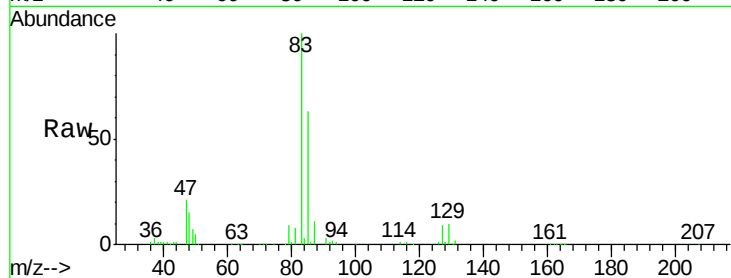
#47  
Bromodichloromethane  
Concen: 18.911 ug/l  
RT: 9.65 min Scan# 1270  
Delta R.T. -0.00 min  
Lab File: VW012711.D  
Acq: 07 Sep 2019 10:38

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.0  | 50.2  | 75.2  |
| 127     | 8.6   | 6.6   | 9.8   |

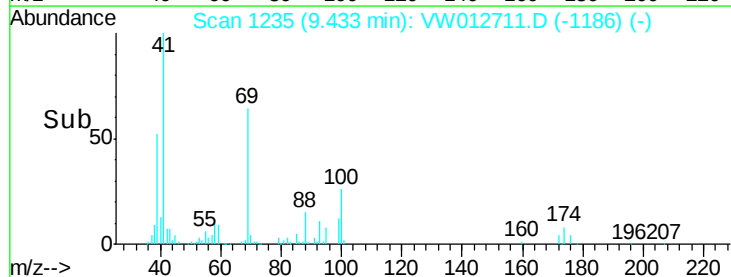
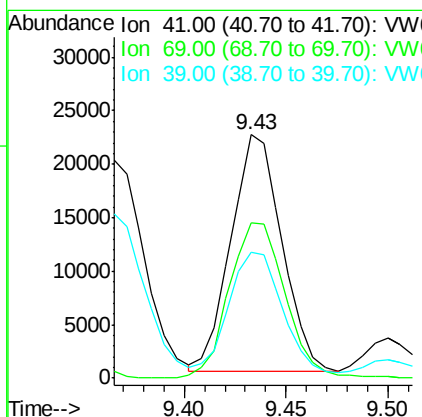
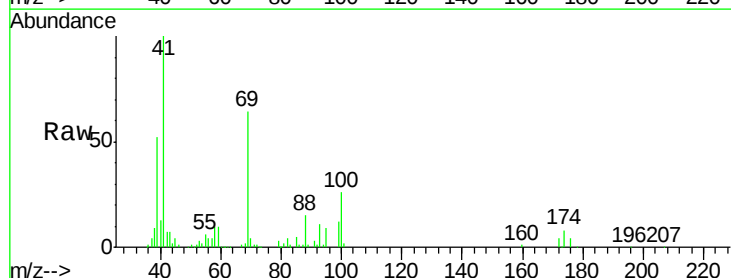
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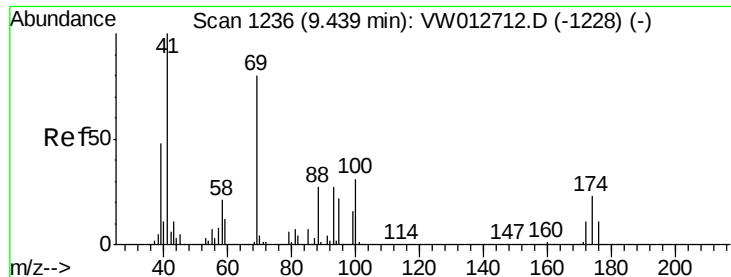
MMDadoda  
9/10/2019 1:02:23 PM



#48  
Methyl methacrylate  
Concen: 17.137 ug/l  
RT: 9.43 min Scan# 1235  
Delta R.T. -0.00 min  
Lab File: VW012711.D  
Acq: 07 Sep 2019 10:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 72.5  | 59.8  | 89.8  |
| 39      | 52.7  | 47.0  | 70.6  |





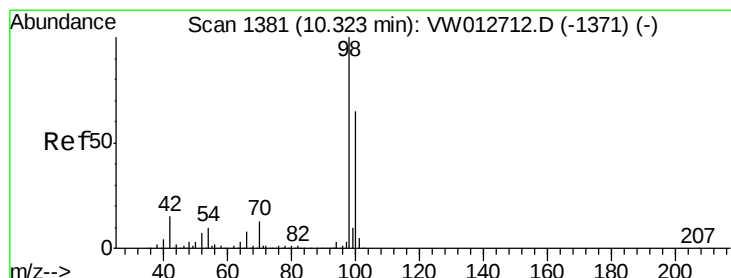
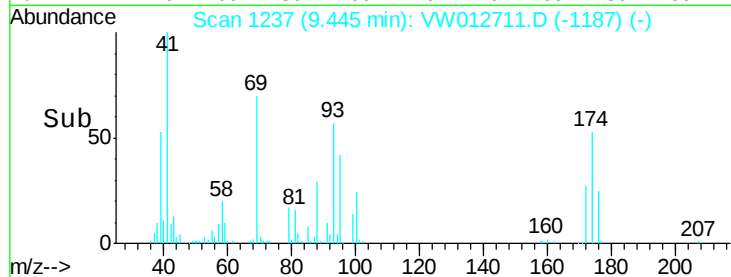
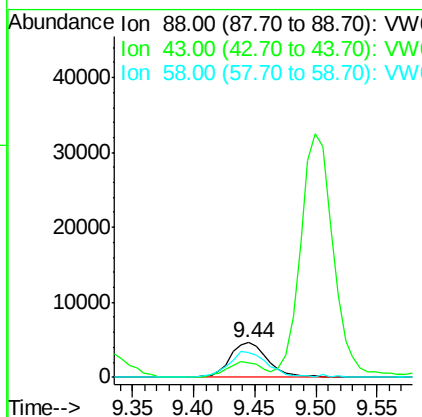
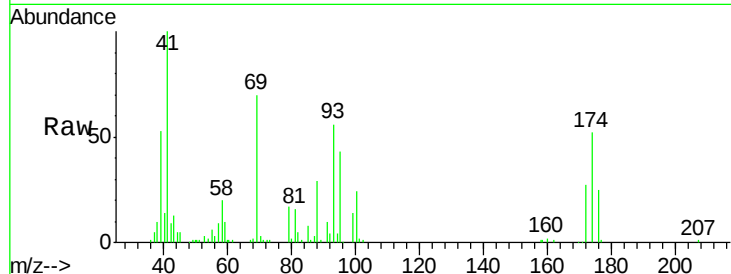
#49  
1,4-Dioxane  
Concen: 358.506 ug/l  
RT: 9.44 min Scan# 1237  
Delta R.T. 0.01 min  
Lab File: VW012711.D  
Acq: 07 Sep 2019 10:38

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 88      | 100   | 10001 |       |       |
| 43      | 43.0  |       | 34.8  | 52.2  |
| 58      | 75.1  |       | 64.1  | 96.1  |

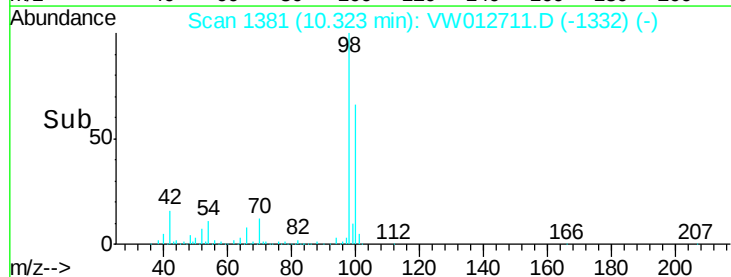
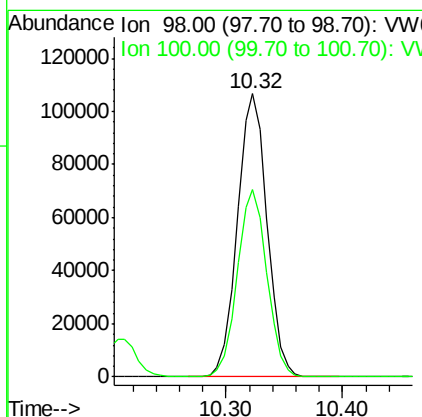
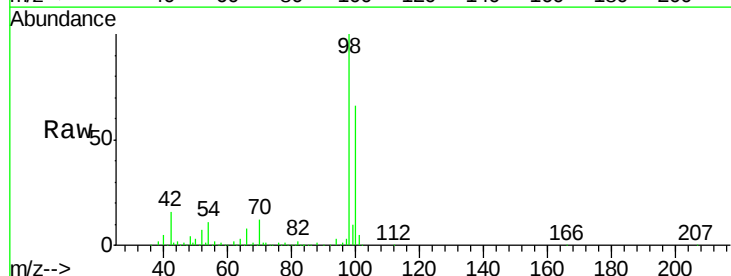
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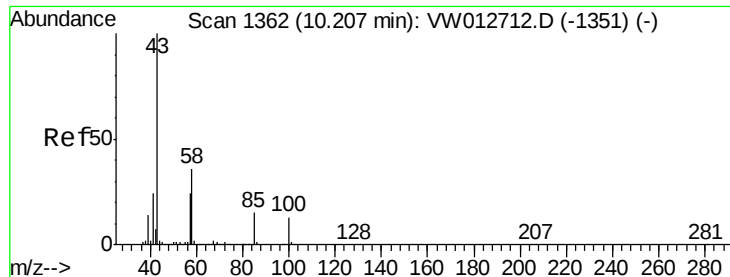
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#50  
Toluene-d8  
Concen: 18.646 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. -0.00 min  
Lab File: VW012711.D  
Acq: 07 Sep 2019 10:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 98      | 100   | 189438 |       |       |
| 100     | 66.1  |        | 52.2  | 78.4  |





#51

4-Methyl-2-Pentanone

Concen: 83.517 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 205127

Ion Ratio Lower Upper

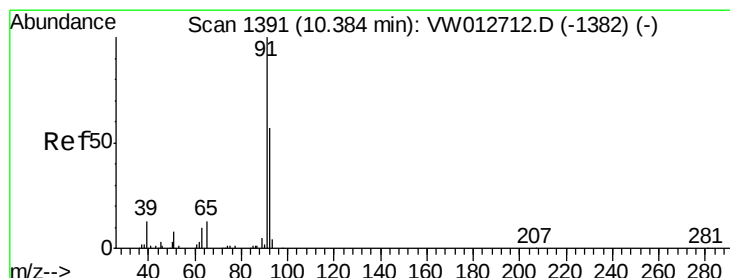
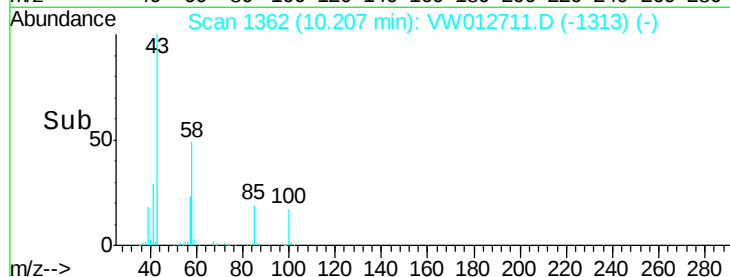
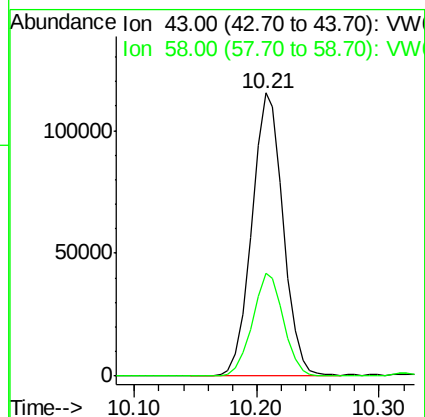
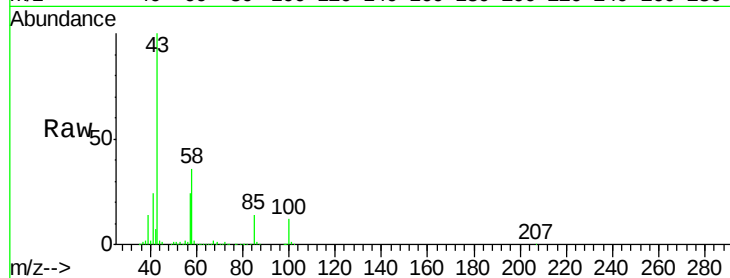
43 100

58 36.2 28.4 42.6

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#52

Toluene

Concen: 19.951 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW012711.D

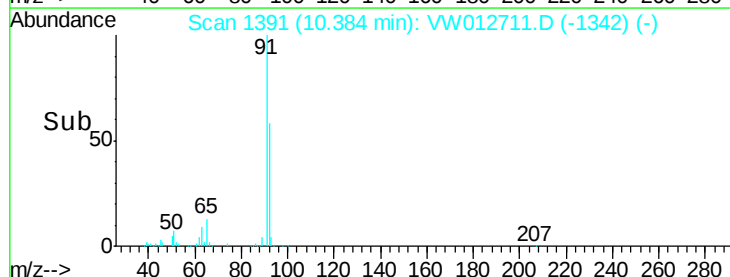
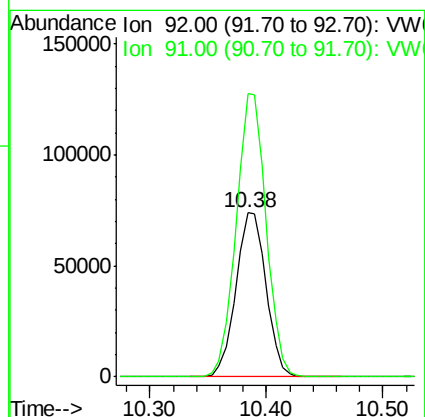
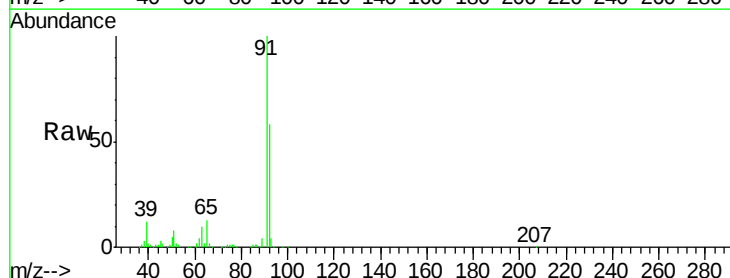
Acq: 07 Sep 2019 10:38

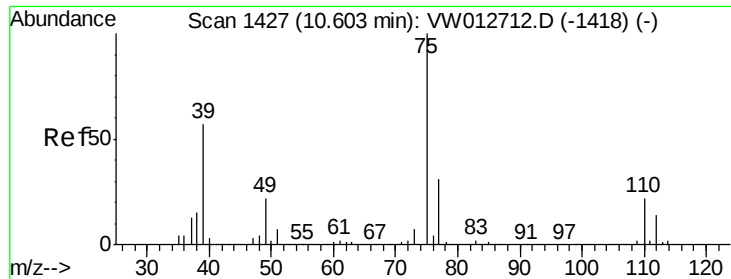
Tgt Ion: 92 Resp: 133901

Ion Ratio Lower Upper

92 100

91 170.7 137.0 205.4





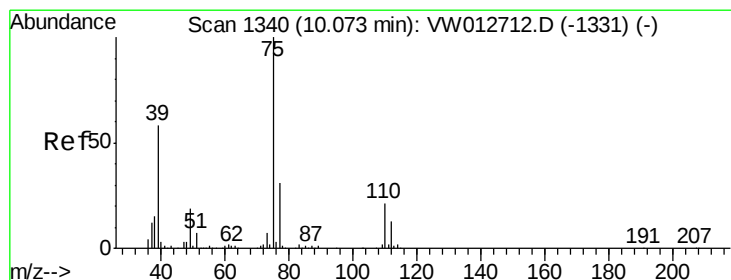
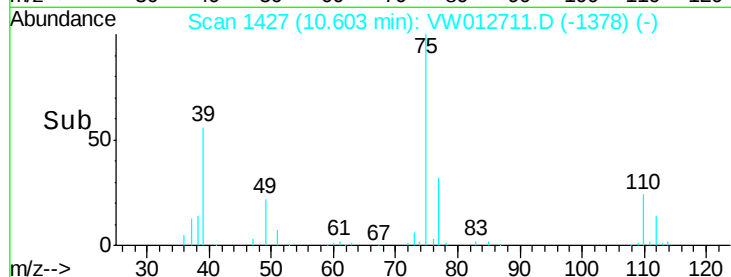
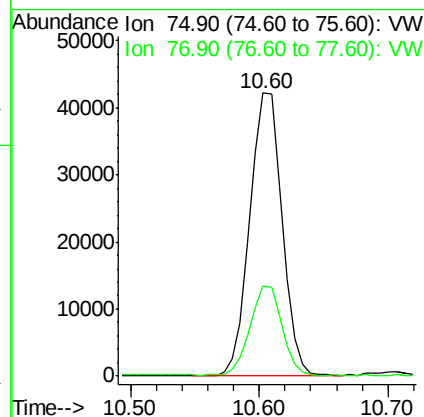
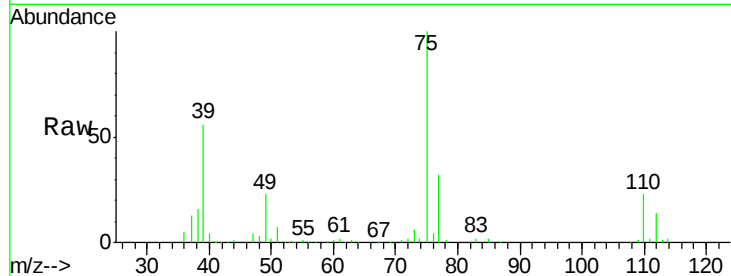
#53  
 t-1,3-Dichloropropene  
 Concen: 18.312 ug/l  
 RT: 10.60 min Scan# 1427  
 Delta R.T. -0.00 min  
 Lab File: VW012711.D  
 Acq: 07 Sep 2019 10:38

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC020

Tot Ion: 75 Resp: 73162  
 Ion Ratio Lower Upper  
 75 100  
 77 31.5 24.7 37.1

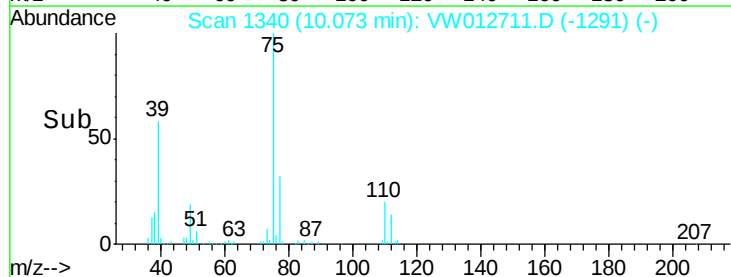
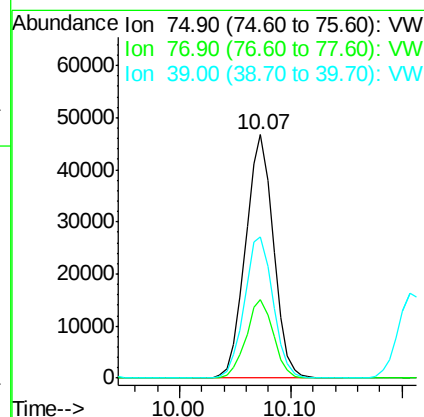
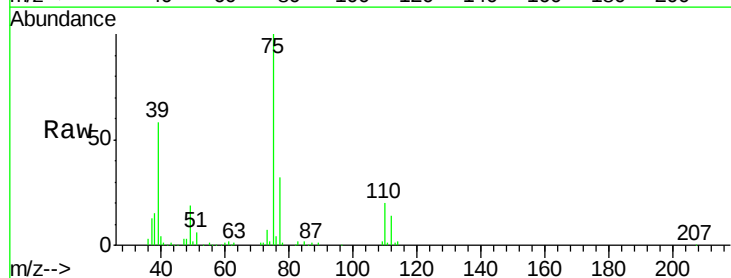
Manual Integrations  
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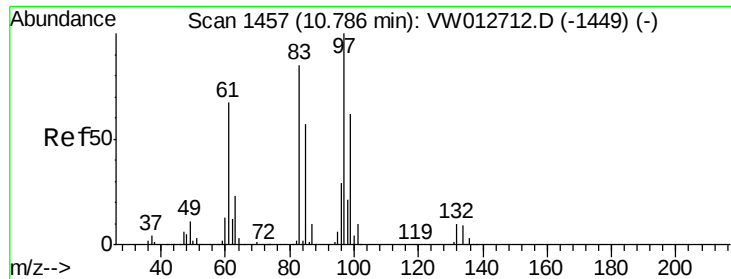
MMDadoda  
 9/10/2019 1:02:23 PM



#54  
 cis-1,3-Dichloropropene  
 Concen: 17.934 ug/l  
 RT: 10.07 min Scan# 1340  
 Delta R.T. -0.00 min  
 Lab File: VW012711.D  
 Acq: 07 Sep 2019 10:38

Tgt Ion: 75 Resp: 81282  
 Ion Ratio Lower Upper  
 75 100  
 77 32.0 24.6 36.8  
 39 57.9 46.3 69.5





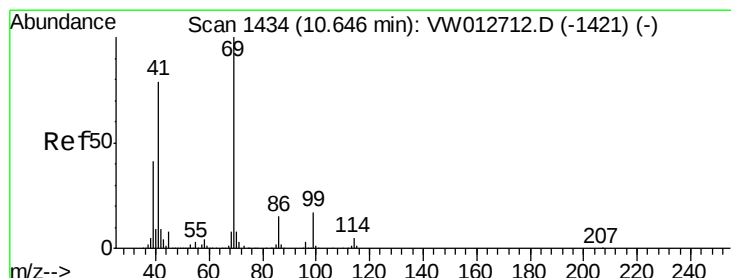
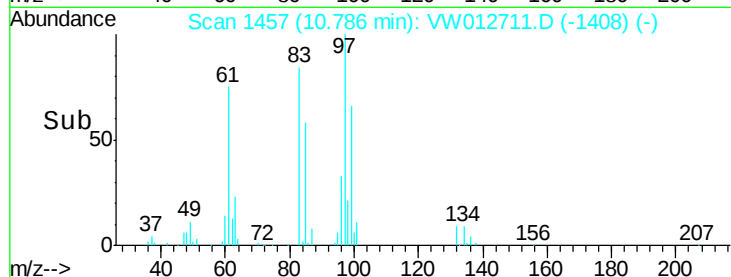
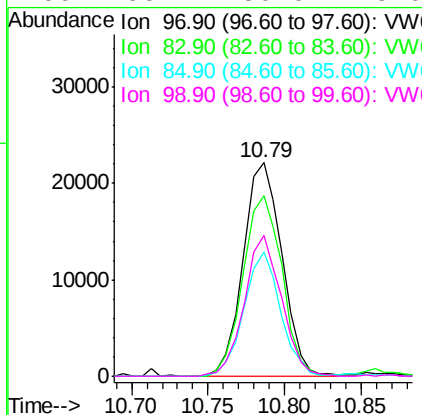
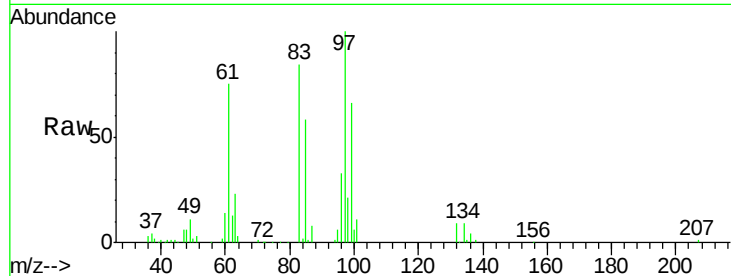
#55  
 1,1,2-Trichloroethane  
 Concen: 18.520 ug/l  
 RT: 10.79 min Scan# 1457  
 Delta R.T. -0.00 min  
 Lab File: VW012711.D  
 Acq: 07 Sep 2019 10:38

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 39158 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 84.3  | 68.1  | 102.1 |
| 85       | 58.2  | 45.3  | 67.9  |
| 99       | 66.1  | 50.0  | 75.0  |

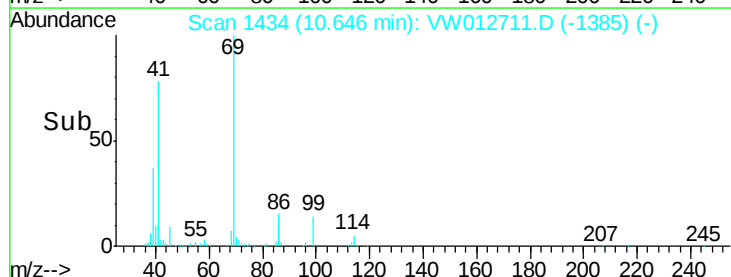
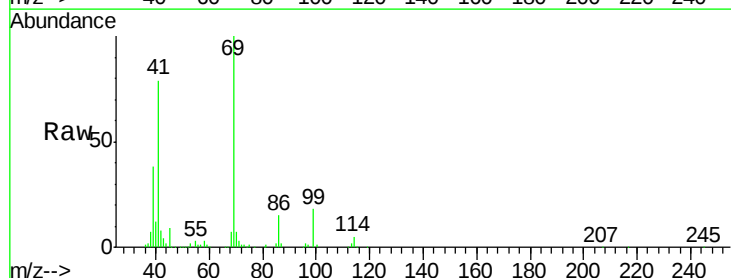
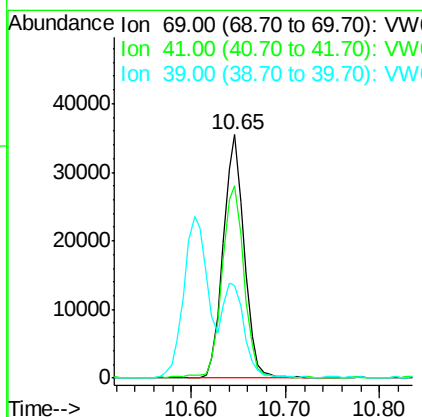
Manual Integrations  
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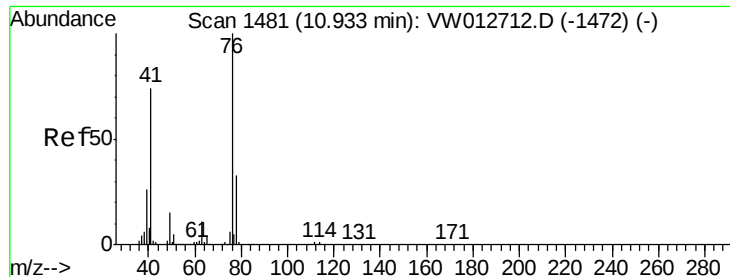
MMDadoda  
 9/10/2019 1:02:23 PM



#56  
 Ethyl methacrylate  
 Concen: 17.756 ug/l  
 RT: 10.65 min Scan# 1434  
 Delta R.T. -0.00 min  
 Lab File: VW012711.D  
 Acq: 07 Sep 2019 10:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 54954 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 83.8  | 64.4  | 96.6  |
| 39       | 39.3  | 31.1  | 46.7  |





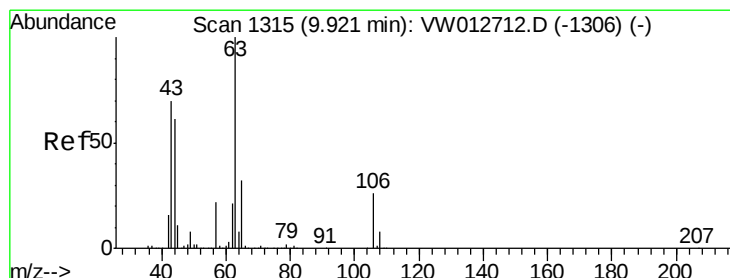
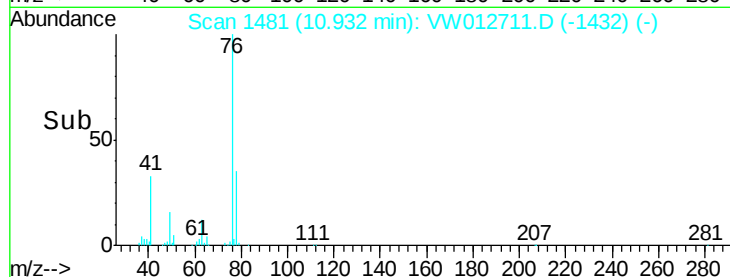
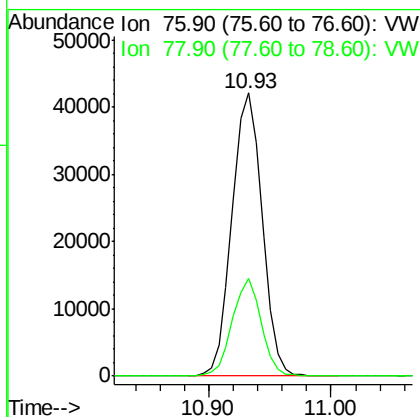
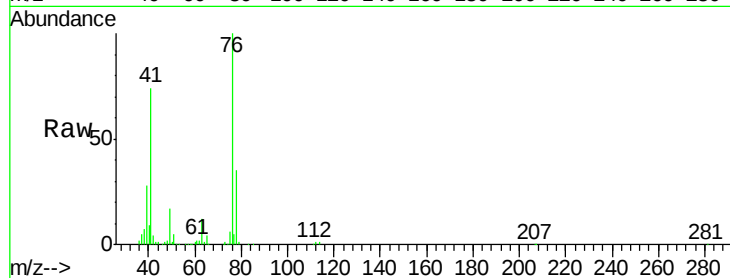
#57  
 1,3-Dichloropropane  
 Concen: 18.375 ug/l  
 RT: 10.93 min Scan# 1481  
 Delta R.T. -0.00 min  
 Lab File: VW012711.D  
 Acq: 07 Sep 2019 10:38

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC020

Tot Ion: 76 Resp: 71874  
 Ion Ratio Lower Upper  
 76 100  
 78 33.0 25.9 38.9

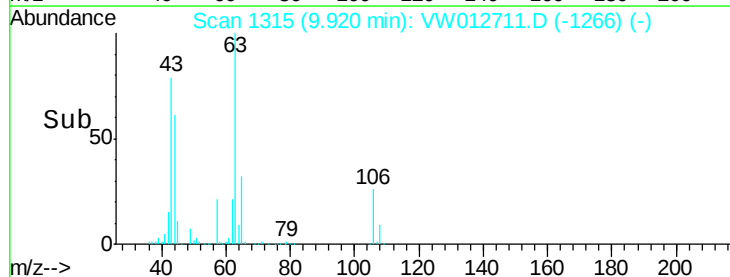
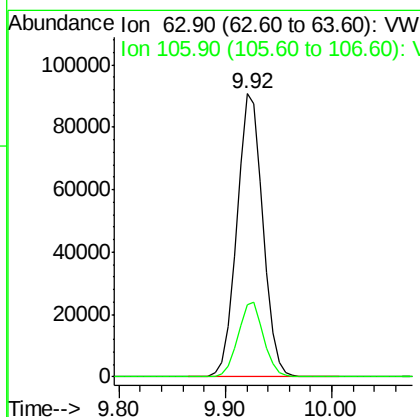
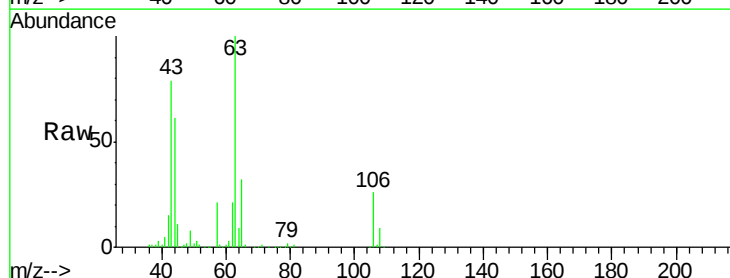
Manual Integrations  
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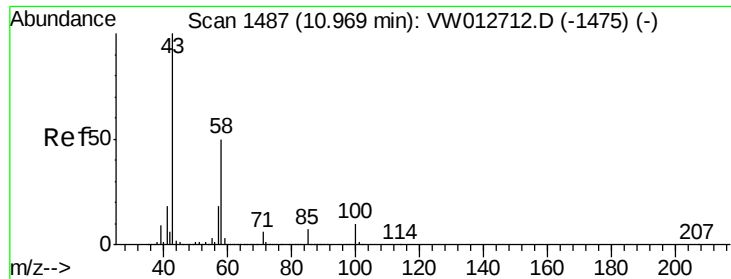
MMDadoda  
 9/10/2019 1:02:23 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 94.939 ug/l  
 RT: 9.92 min Scan# 1315  
 Delta R.T. -0.00 min  
 Lab File: VW012711.D  
 Acq: 07 Sep 2019 10:38

Tgt Ion: 63 Resp: 155990  
 Ion Ratio Lower Upper  
 63 100  
 106 25.9 20.5 30.7





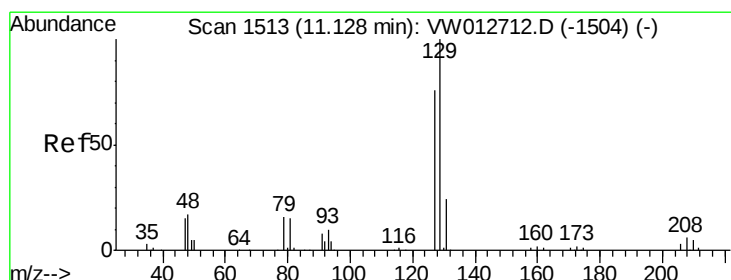
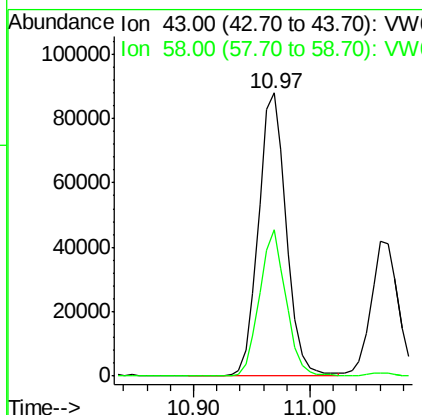
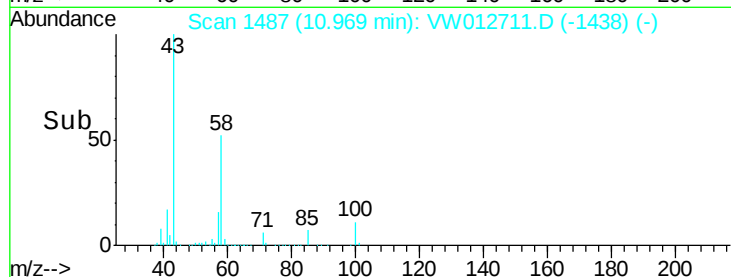
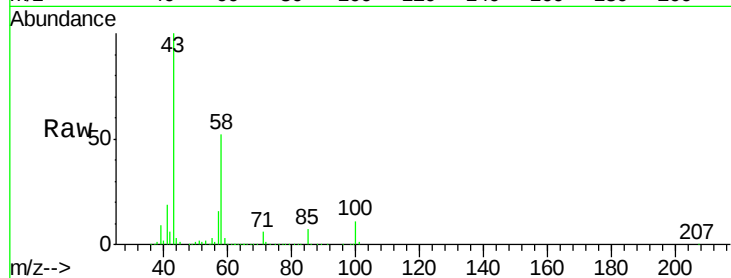
#59  
2-Hexanone  
Concen: 81.382 ug/l  
RT: 10.97 min Scan# 1487  
Delta R.T. -0.00 min  
Lab File: VW012711.D  
Acq: 07 Sep 2019 10:38

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

Tot Ion: 43 Resp: 146031  
Ion Ratio Lower Upper  
43 100  
58 49.4 24.7 74.1

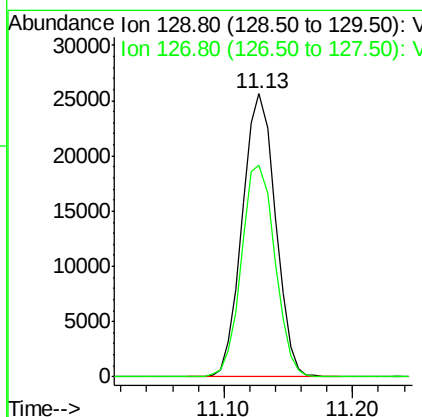
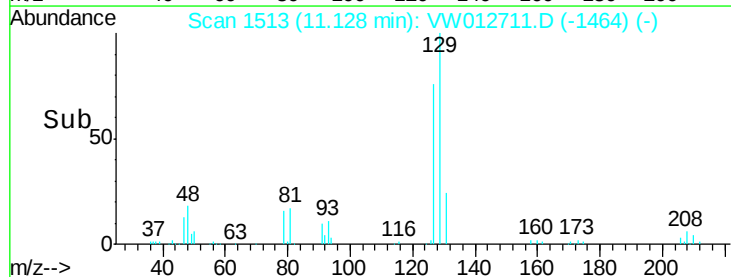
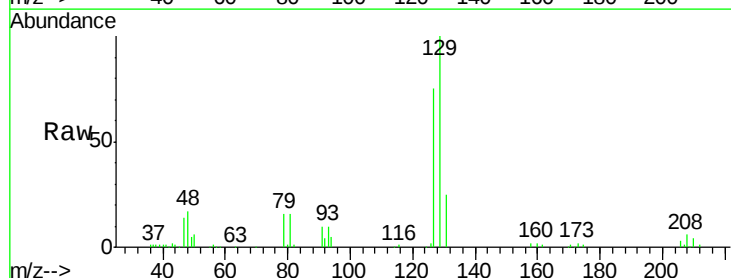
Manual Integrations  
APPROVED

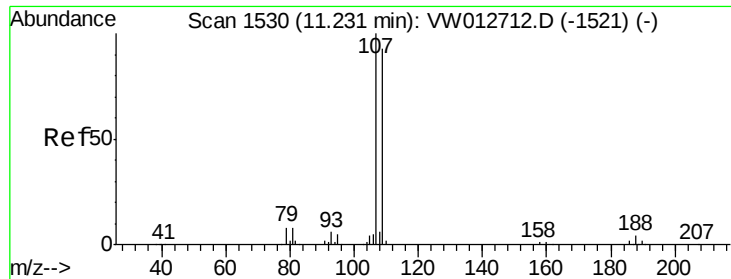
MMDadoda  
9/10/2019 1:02:23 PM



#60  
Dibromochloromethane  
Concen: 18.321 ug/l  
RT: 11.13 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: VW012711.D  
Acq: 07 Sep 2019 10:38

Tgt Ion: 129 Resp: 45557  
Ion Ratio Lower Upper  
129 100  
127 75.6 38.6 115.8





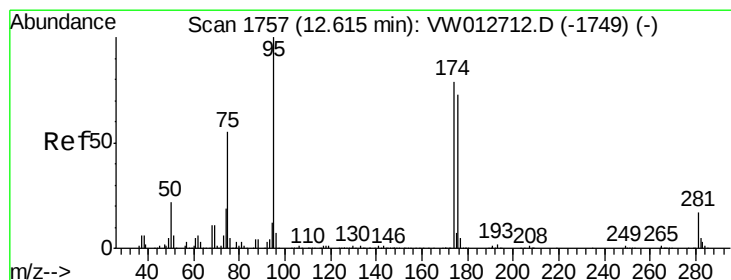
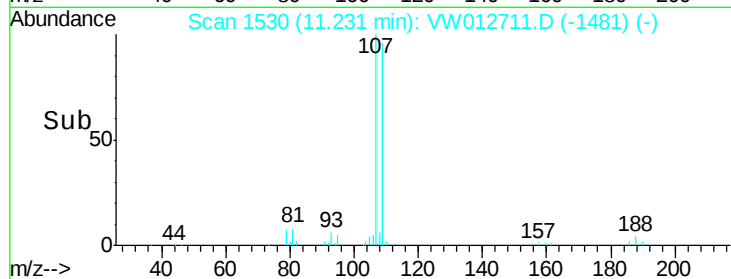
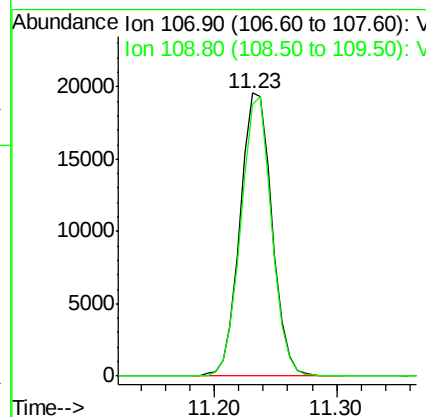
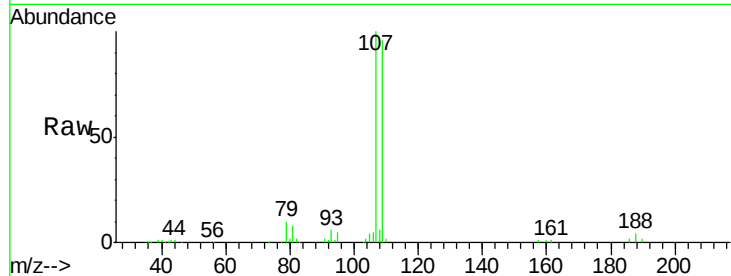
#61  
 1,2-Dibromoethane  
 Concen: 18.160 ug/l  
 RT: 11.23 min Scan# 1530  
 Delta R.T. -0.00 min  
 Lab File: VW012711.D  
 Acq: 07 Sep 2019 10:38

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 95.5  | 75.0  | 112.6 |

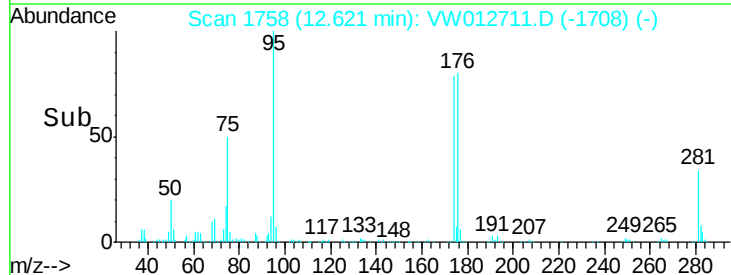
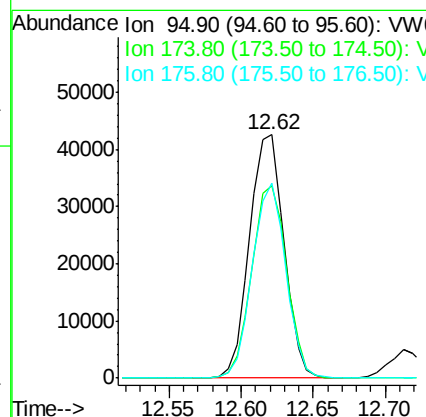
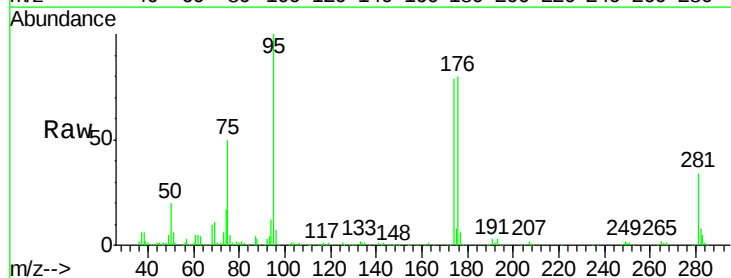
Manual Integrations  
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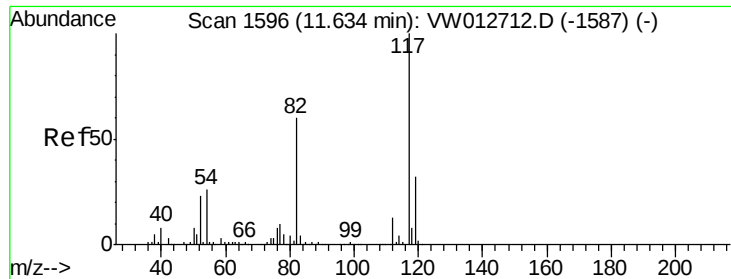
MMDadoda  
 9/10/2019 1:02:23 PM



#62  
 4-Bromofluorobenzene  
 Concen: 19.109 ug/l  
 RT: 12.62 min Scan# 1758  
 Delta R.T. 0.01 min  
 Lab File: VW012711.D  
 Acq: 07 Sep 2019 10:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 79.8  | 0.0   | 161.0 |
| 176     | 77.8  | 0.0   | 156.4 |





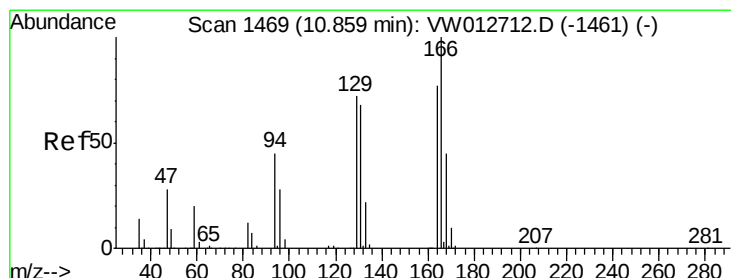
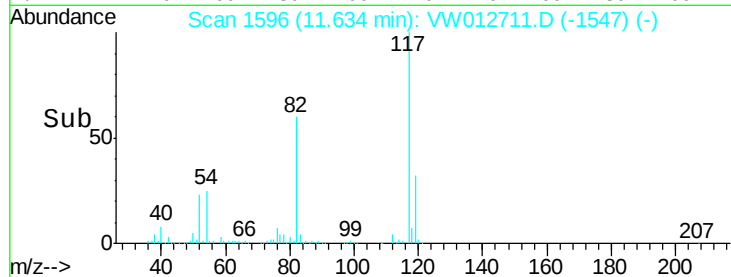
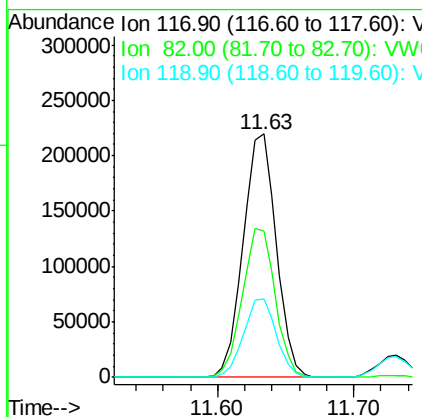
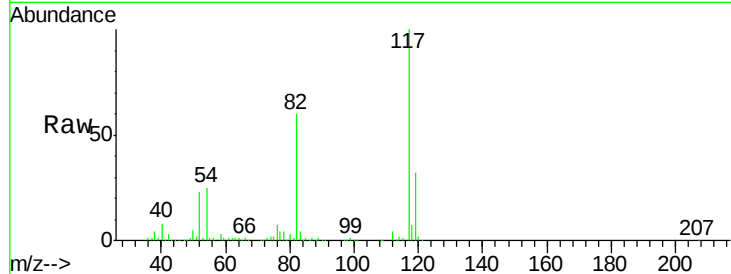
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW012711.D  
Acq: 07 Sep 2019 10:38

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 375061 |       |       |
| 82      | 60.0  | 48.2   | 72.4  |       |
| 119     | 32.3  | 25.8   | 38.6  |       |

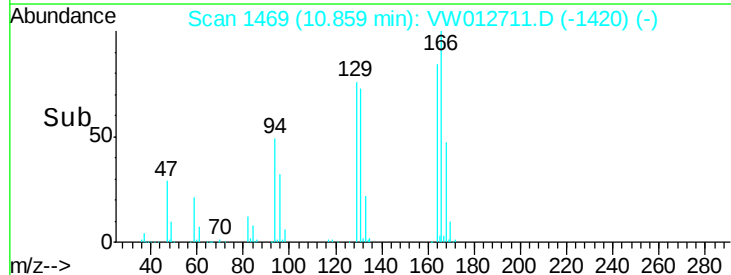
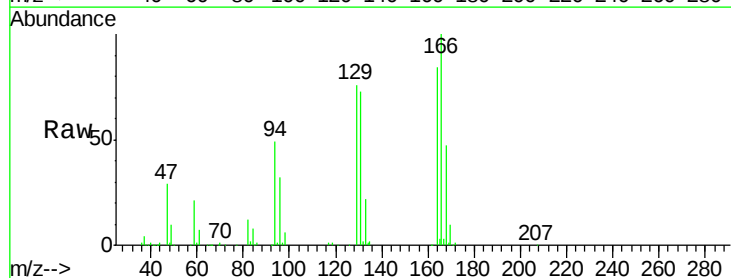
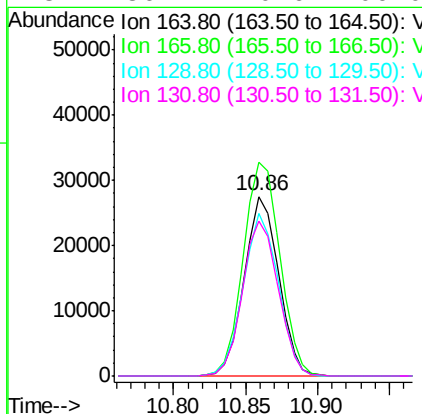
Manual Integrations  
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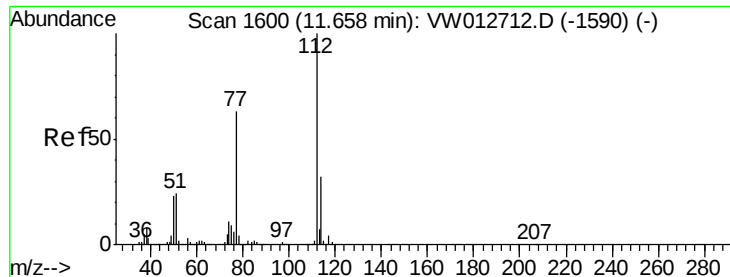
MMDadoda  
9/10/2019 1:02:23 PM



#64  
Tetrachloroethene  
Concen: 20.071 ug/l  
RT: 10.86 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VW012711.D  
Acq: 07 Sep 2019 10:38

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 45677 |       |       |
| 166     | 119.1 | 103.6 | 155.4 |       |
| 129     | 90.8  | 74.6  | 112.0 |       |
| 131     | 86.4  | 70.6  | 106.0 |       |





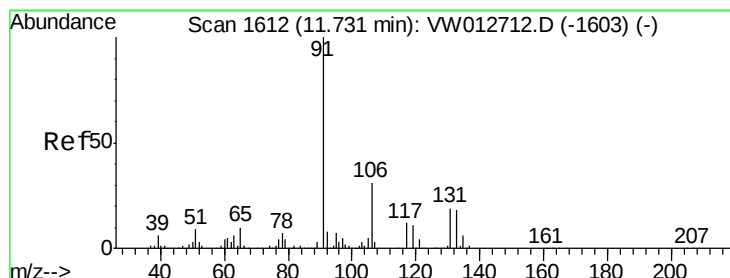
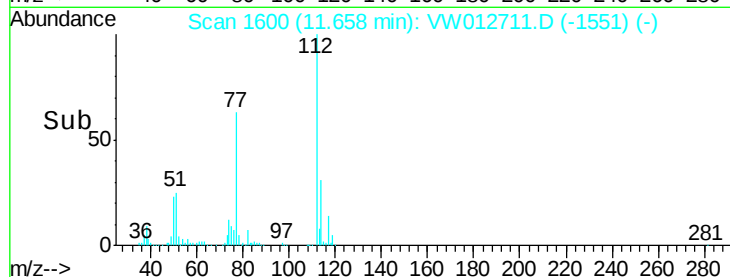
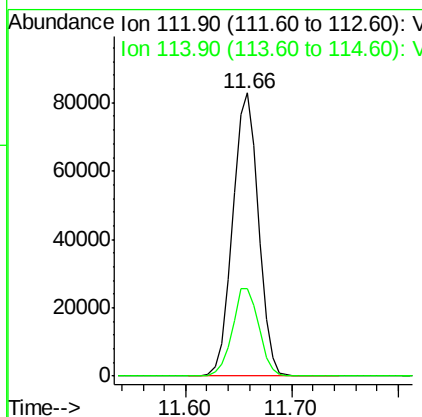
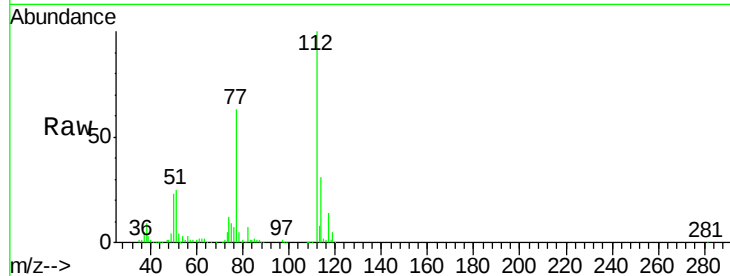
#65  
Chlorobenzene  
Concen: 19.856 ug/l  
RT: 11.66 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: VW012711.D  
Acq: 07 Sep 2019 10:38

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 112     | 100   | 140752 |       |       |
| 114     | 30.9  | 25.3   | 37.9  |       |

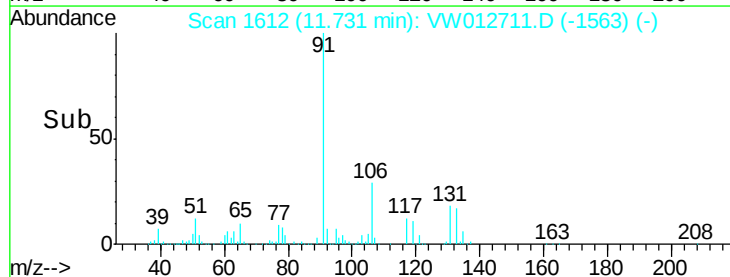
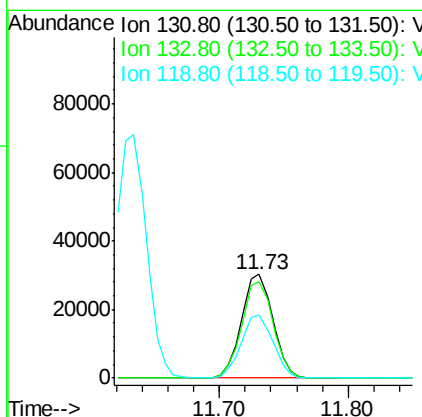
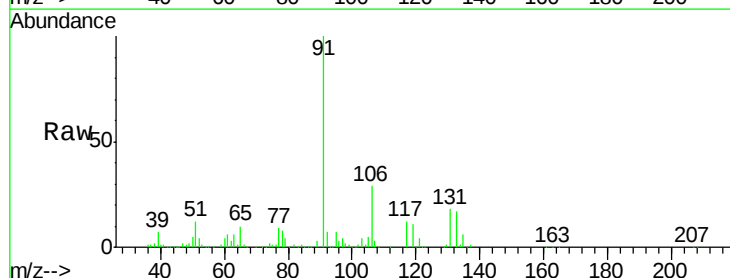
Manual Integrations  
APPROVED

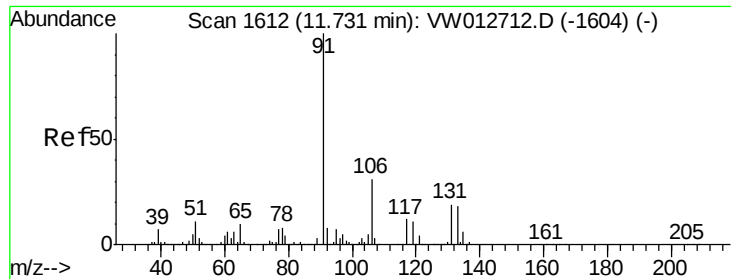
MMDadoda  
9/10/2019 1:02:23 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.341 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.00 min  
Lab File: VW012711.D  
Acq: 07 Sep 2019 10:38

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 131     | 100   | 51057 |       |       |
| 133     | 93.7  | 47.6  | 142.8 |       |
| 119     | 61.9  | 30.6  | 92.0  |       |





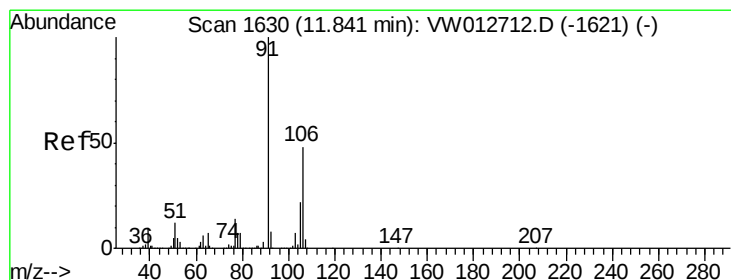
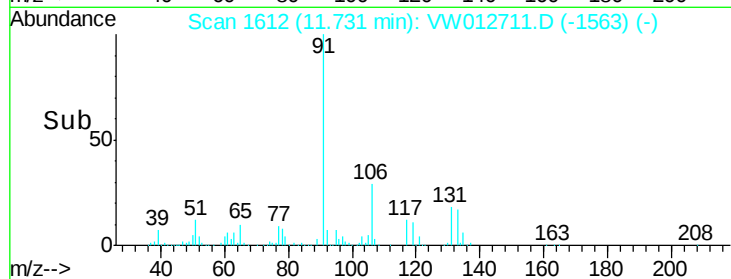
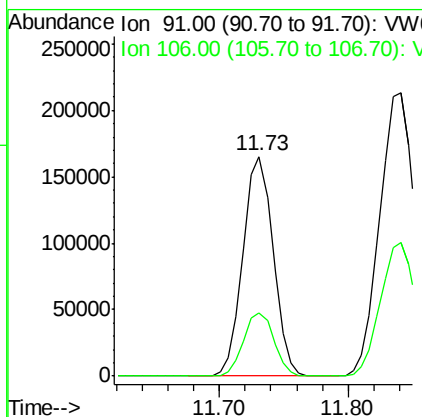
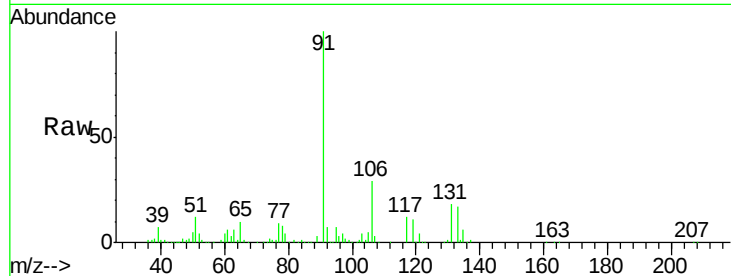
#67  
Ethyl Benzene  
Concen: 20.177 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.00 min  
Lab File: VW012711.D  
Acq: 07 Sep 2019 10:38

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 106     | 29.0  | 24.4  | 36.6  |

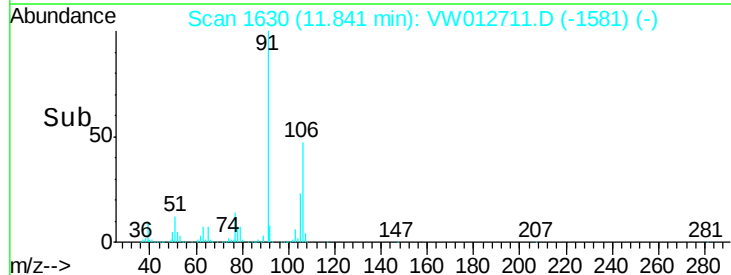
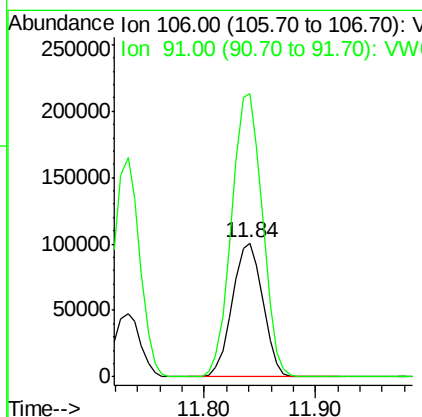
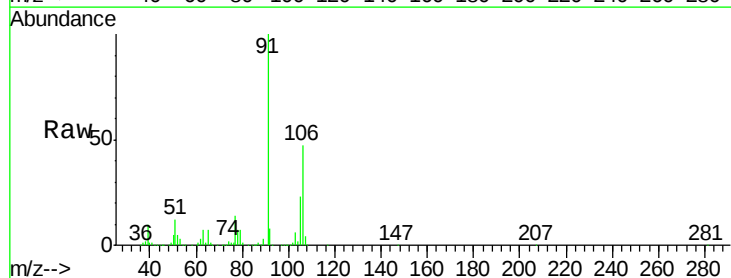
Manual Integrations  
APPROVED

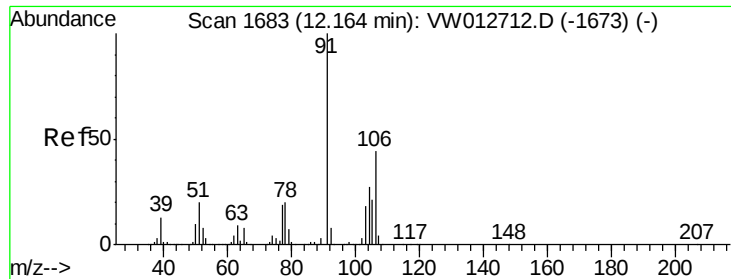
MMDadoda  
9/10/2019 1:02:23 PM



#68  
m/p-Xylenes  
Concen: 39.992 ug/l  
RT: 11.84 min Scan# 1630  
Delta R.T. -0.00 min  
Lab File: VW012711.D  
Acq: 07 Sep 2019 10:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 212.1 | 168.2 | 252.4 |





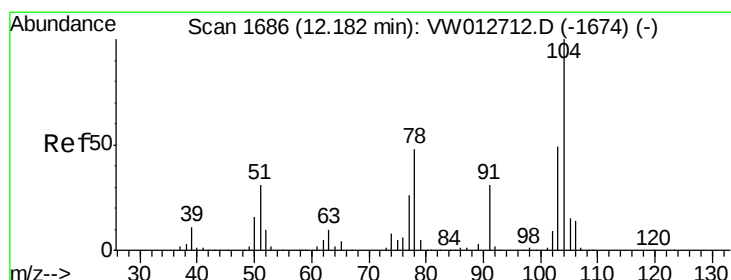
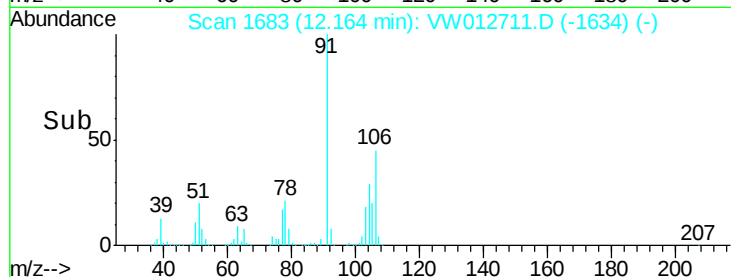
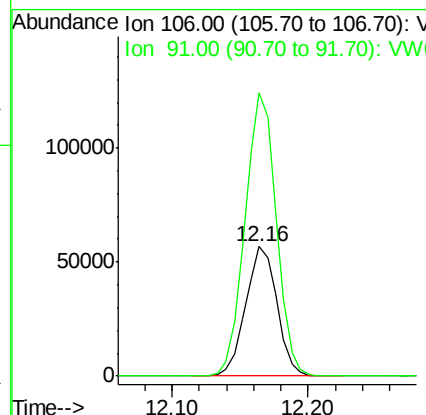
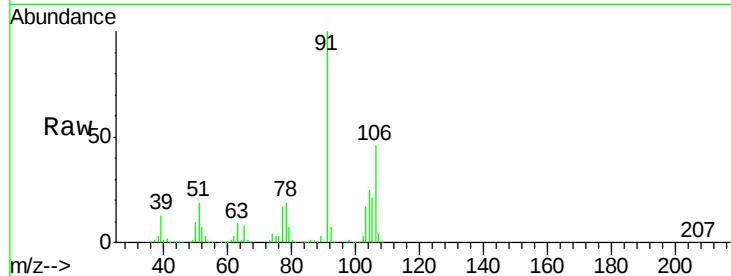
#69  
o-Xylene  
Concen: 20.112 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. -0.00 min  
Lab File: VW012711.D  
Acq: 07 Sep 2019 10:38

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 91093   | 106   |       |       |       |       |
| 106     | 100   |       |       |       |       |
| 91      | 219.1 | 112.3 | 336.8 |       |       |

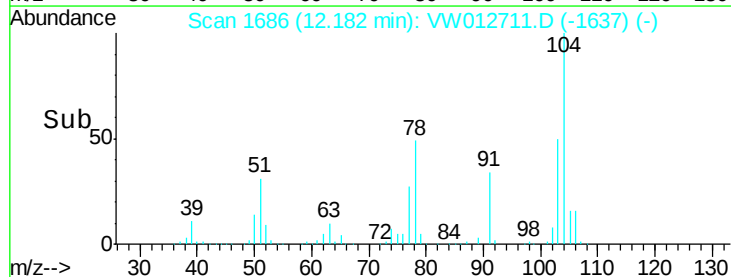
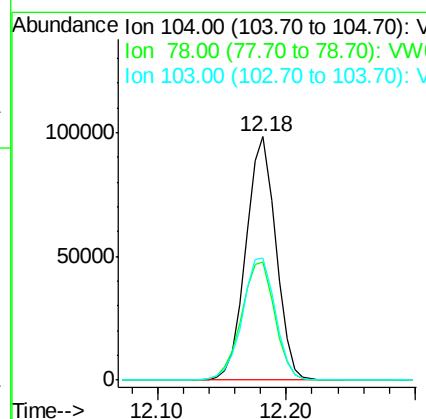
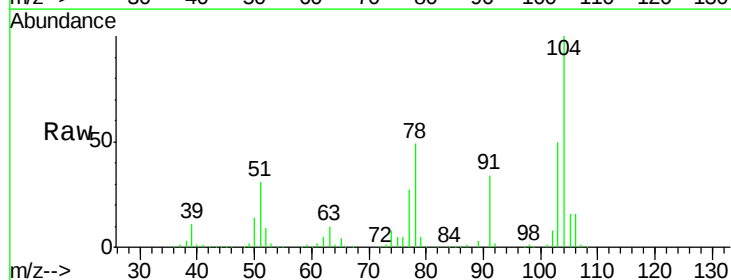
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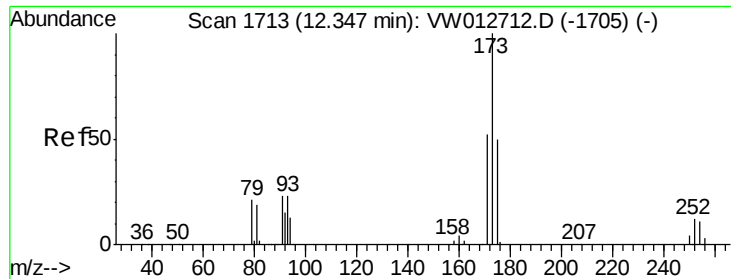
MMDadoda  
9/10/2019 1:02:23 PM



#70  
Styrene  
Concen: 19.695 ug/l  
RT: 12.18 min Scan# 1686  
Delta R.T. -0.00 min  
Lab File: VW012711.D  
Acq: 07 Sep 2019 10:38

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 157625  | 104  |       |      |       |       |
| 104     | 100  |       |      |       |       |
| 78      | 54.5 | 43.3  | 64.9 |       |       |
| 103     | 55.4 | 44.0  | 66.0 |       |       |





#71

Bromoform

Concen: 16.929 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 24829

Ion Ratio Lower Upper

173 100

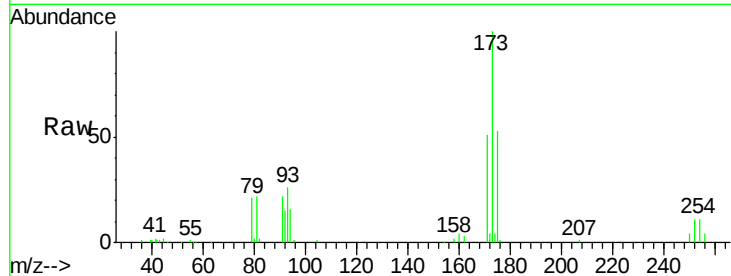
175 52.2 24.8 74.3

254 0.0 0.1 0.1#

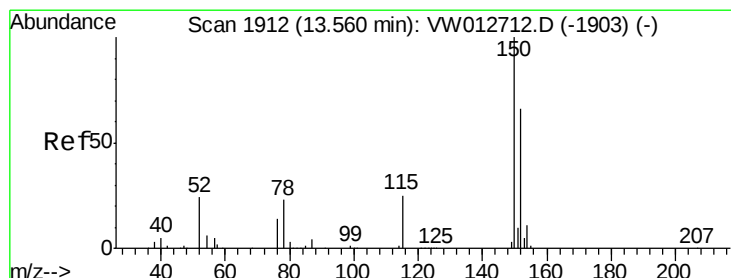
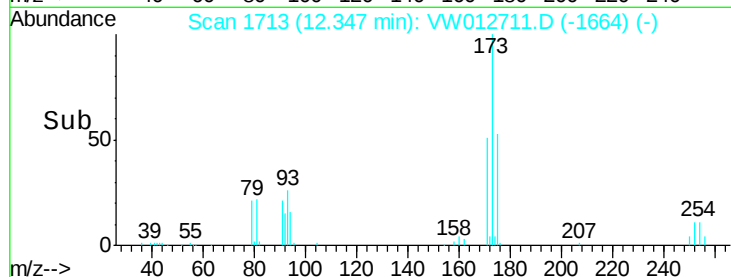
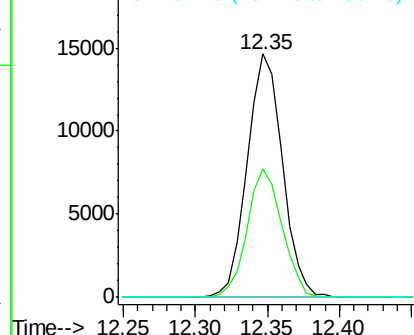
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Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

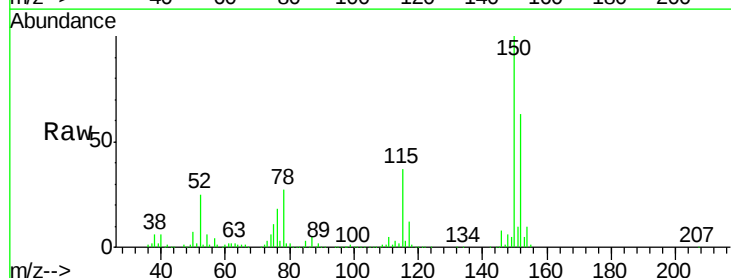
Tgt Ion:152 Resp: 184480

Ion Ratio Lower Upper

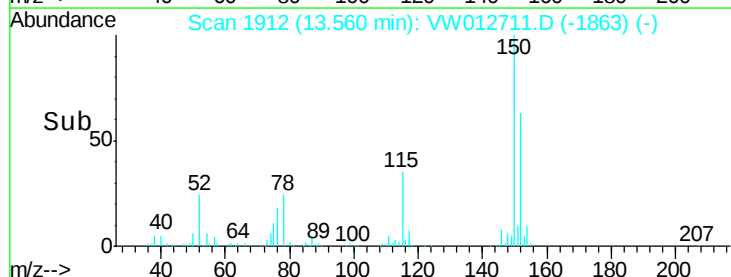
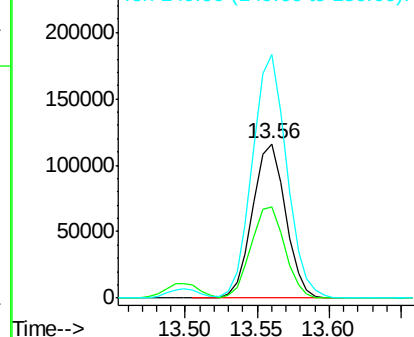
152 100

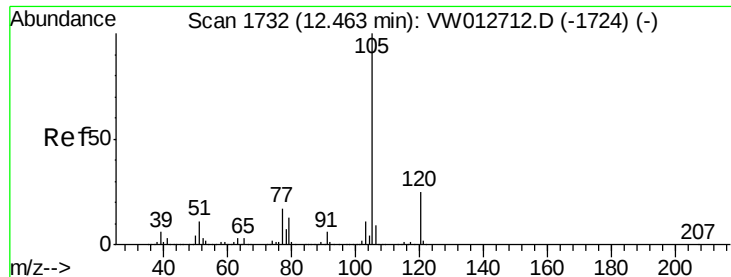
115 60.2 30.0 90.1

150 163.1 0.0 349.0



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





#73

Isopropylbenzene

Concen: 19.468 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 257587

Ion Ratio Lower Upper

105 100

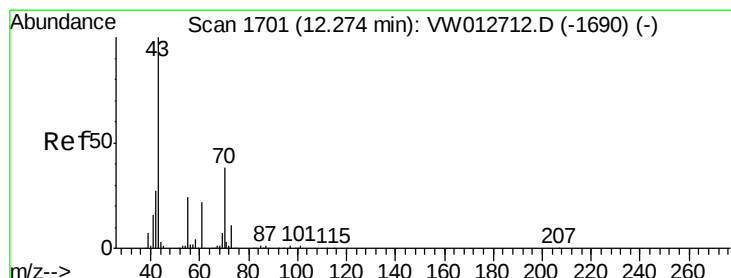
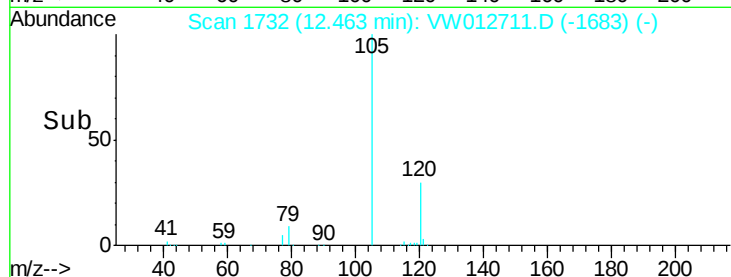
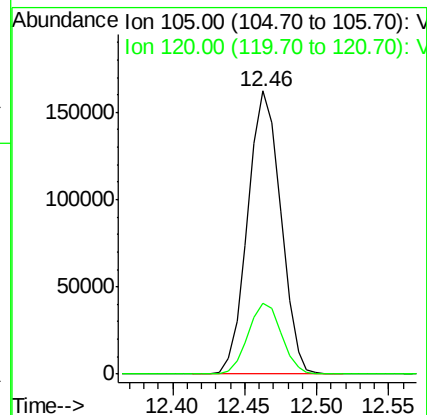
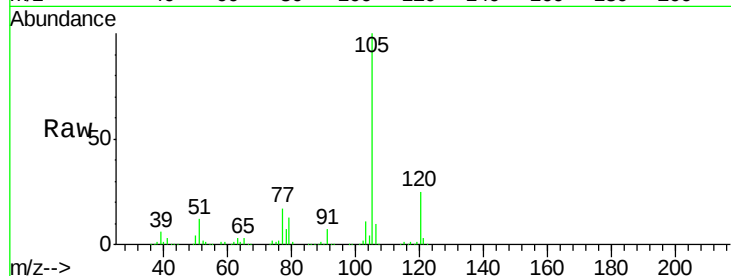
120 25.3 13.0 38.9

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#74

N-ethyl acetate

Concen: 17.509 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Tgt Ion: 43 Resp: 73534

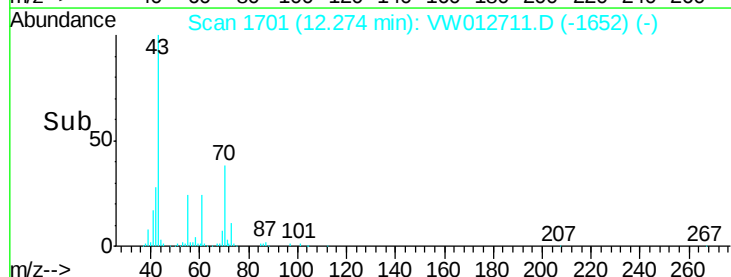
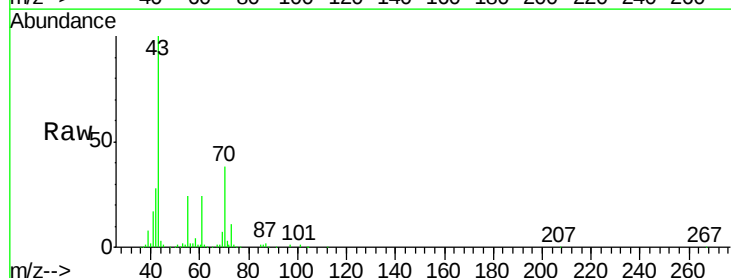
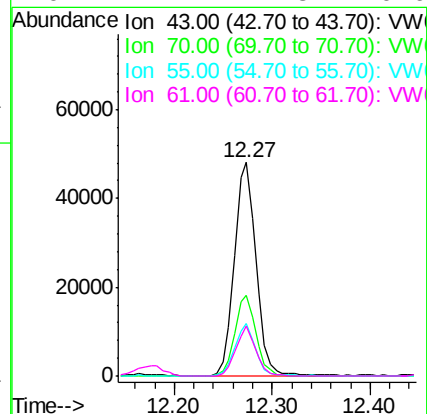
Ion Ratio Lower Upper

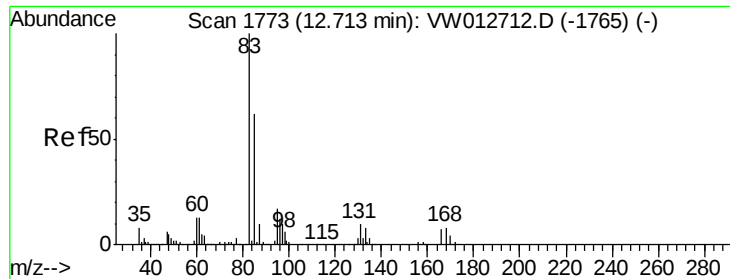
43 100

70 37.3 29.4 44.0

55 23.5 18.6 27.8

61 21.7 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 17.166 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA\_W

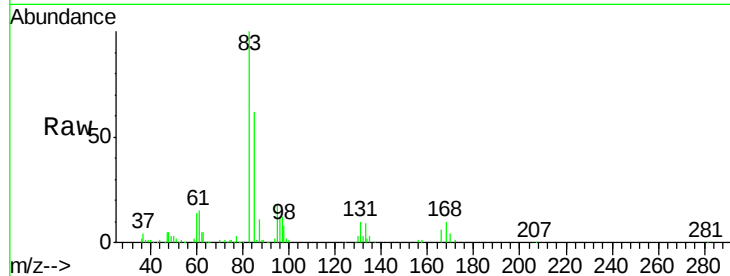
ClientSampleId :

VSTDIC020

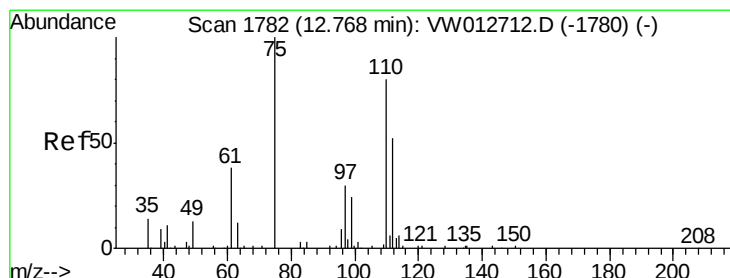
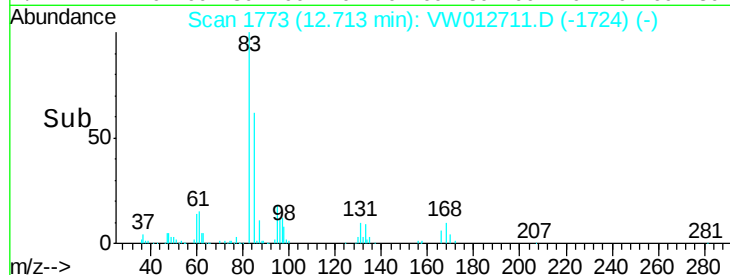
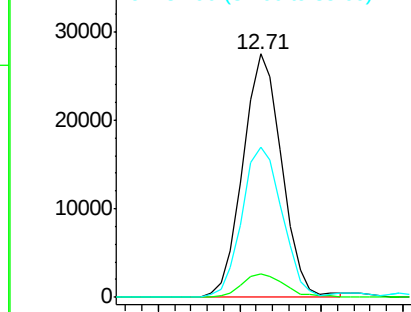
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 45615 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 10.9  | 5.1   | 15.4  |
| 85        | 64.1  | 31.4  | 94.2  |

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Abundance Ion 82.90 (82.60 to 83.60): VW  
Ion 130.80 (130.50 to 131.50): V  
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 21.661 ug/l m

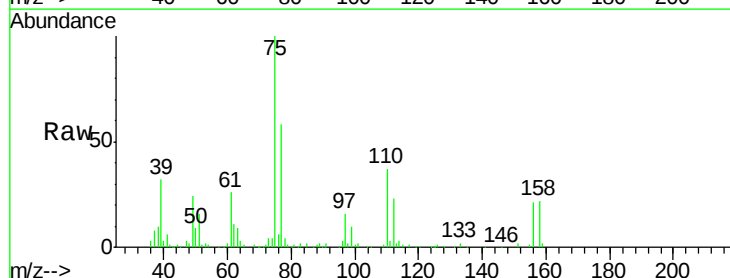
RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

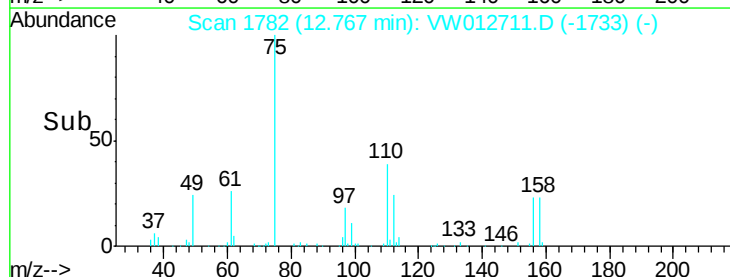
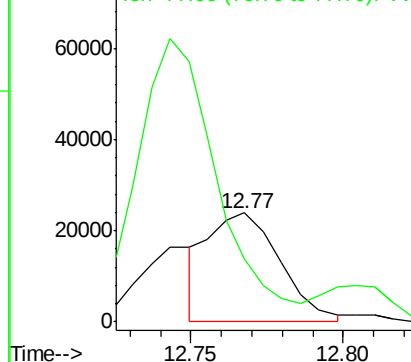
Lab File: VW012711.D

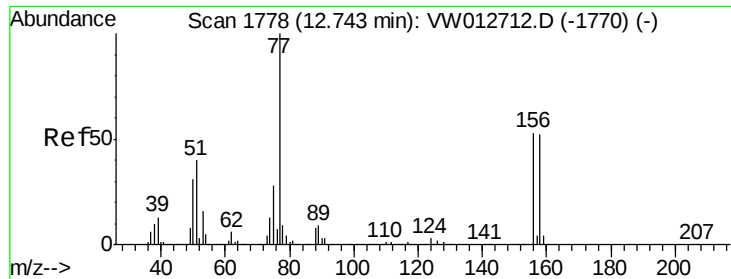
Acq: 07 Sep 2019 10:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 39214 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |



Abundance Ion 74.90 (74.60 to 75.60): VW  
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 18.909 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA\_W

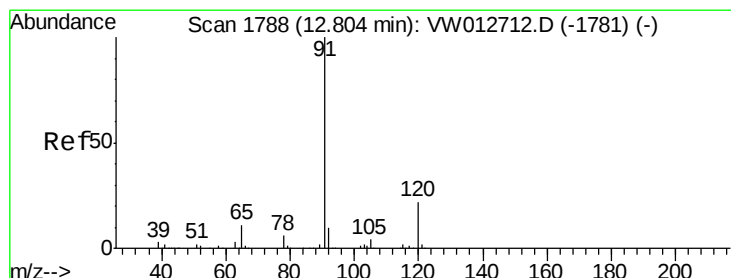
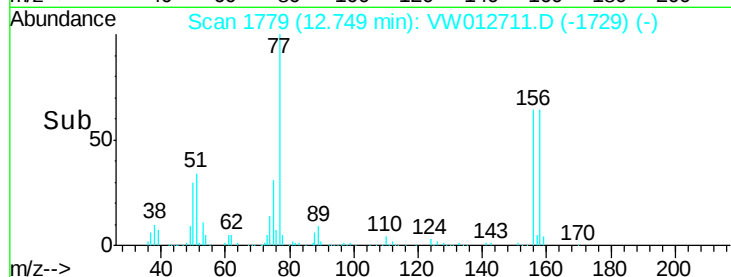
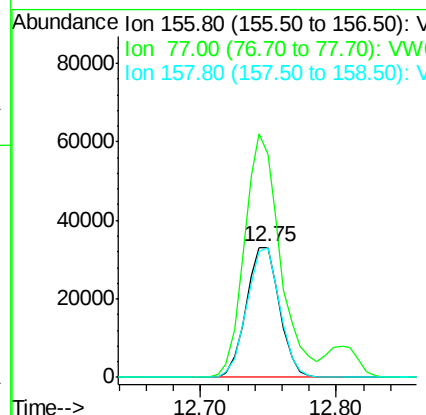
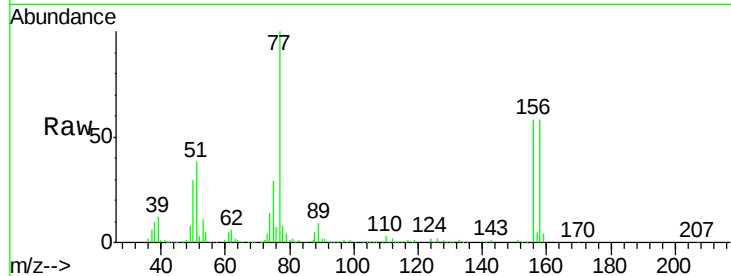
ClientSampleId :

VSTDIC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 156   | Resp: | 56682 |
| Ion      | Ratio | Lower | Upper |
| 156      | 100   |       |       |
| 77       | 200.7 | 102.3 | 306.9 |
| 158      | 99.0  | 48.9  | 146.8 |

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#78

n-propylbenzene

Concen: 19.746 ug/l

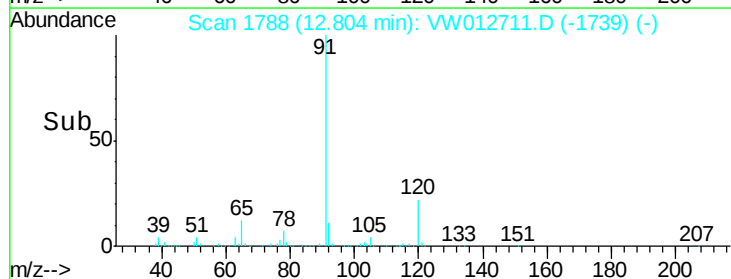
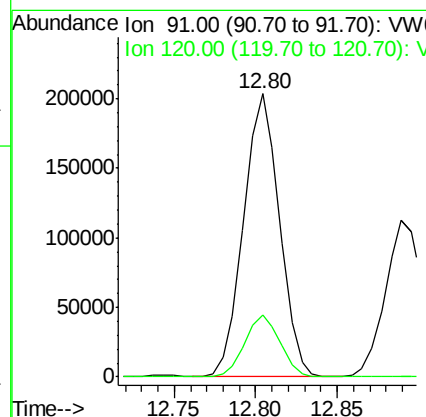
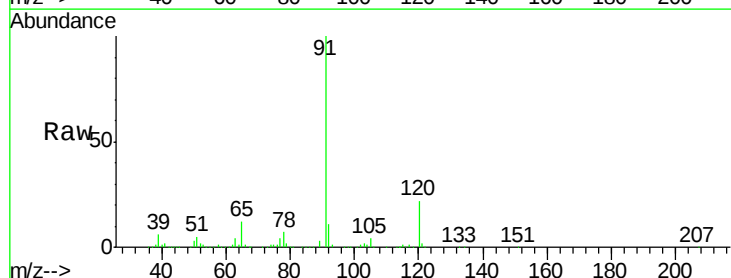
RT: 12.80 min Scan# 1788

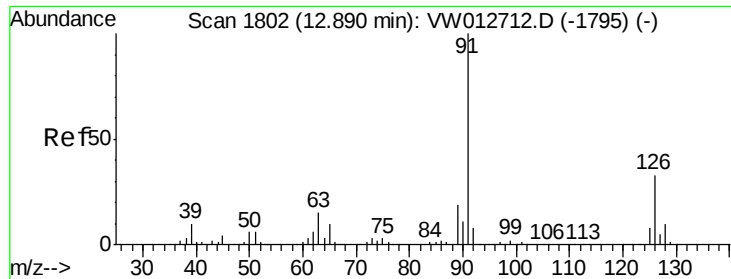
Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 312482 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 120      | 21.6  | 11.0  | 33.0   |





#79

2-Chlorotoluene

Concen: 19.915 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 180921

Ion Ratio Lower Upper

91 100

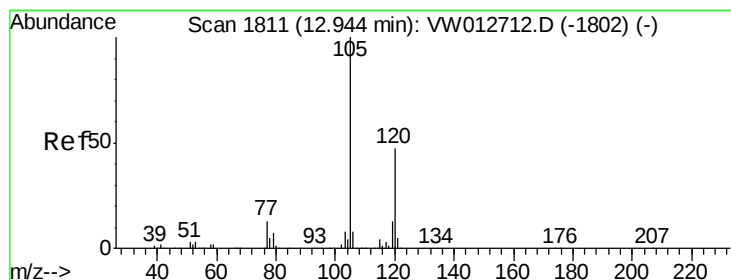
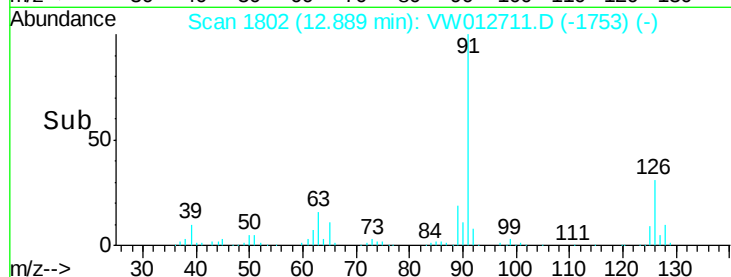
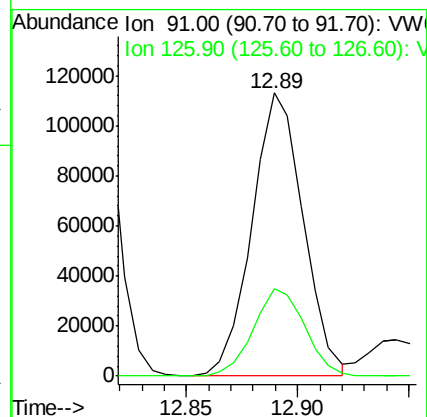
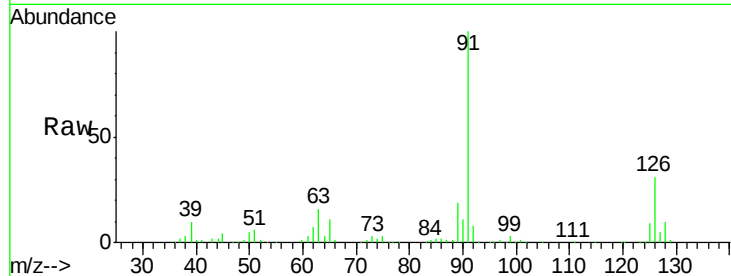
126 31.1 16.1 48.3

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#80

1,3,5-Trimethylbenzene

Concen: 19.765 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012711.D

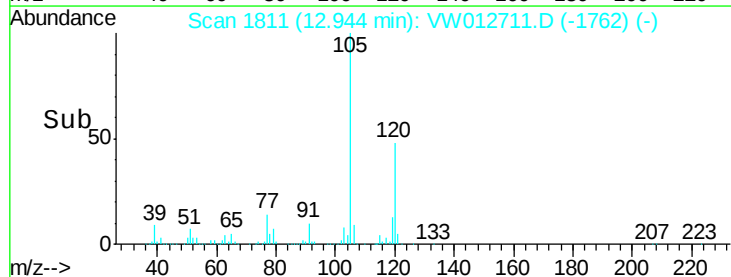
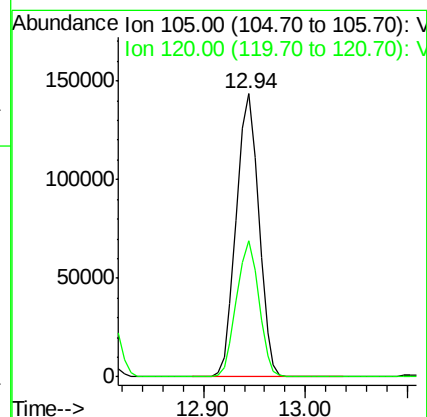
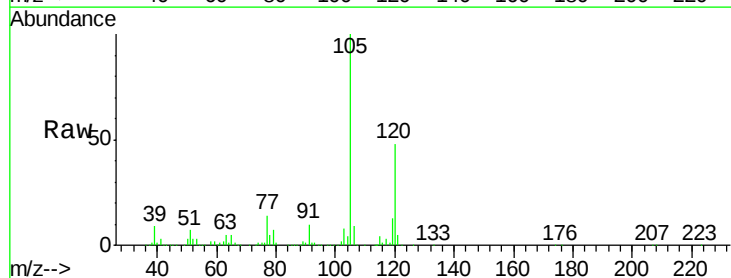
Acq: 07 Sep 2019 10:38

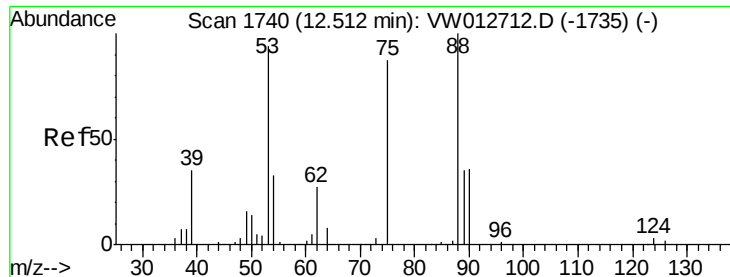
Tgt Ion: 105 Resp: 220363

Ion Ratio Lower Upper

105 100

120 47.5 23.9 71.8





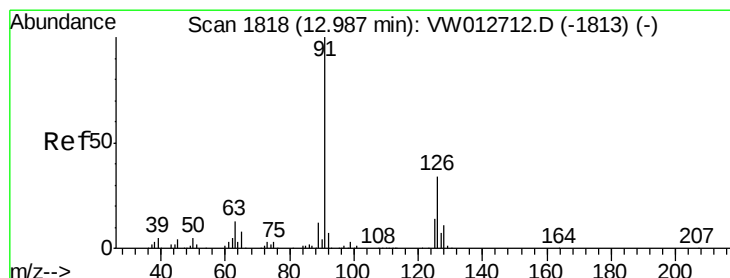
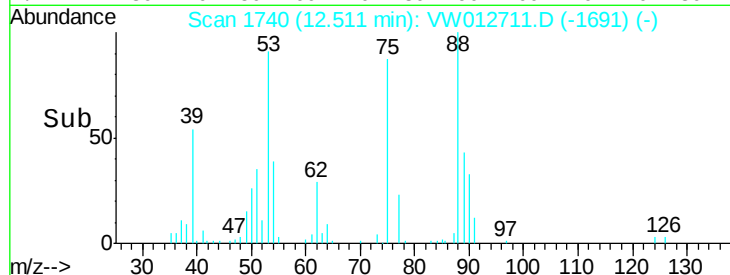
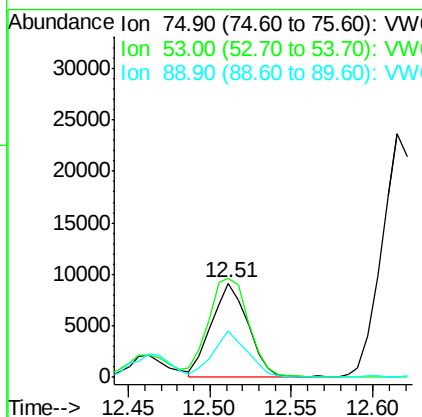
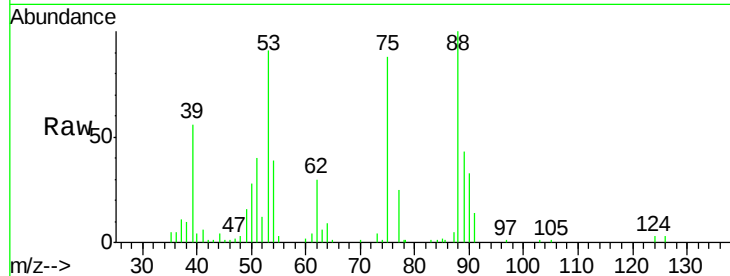
#81  
trans-1,4-Dichloro-2-butene  
Concen: 16.175 ug/l  
RT: 12.51 min Scan# 1740  
Delta R.T. -0.00 min  
Lab File: VW012711.D  
Acq: 07 Sep 2019 10:38

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 116.9 | 87.6  | 131.4 |
| 89      | 45.9  | 35.5  | 53.3  |

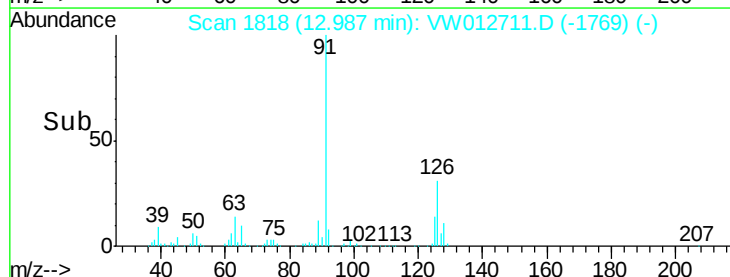
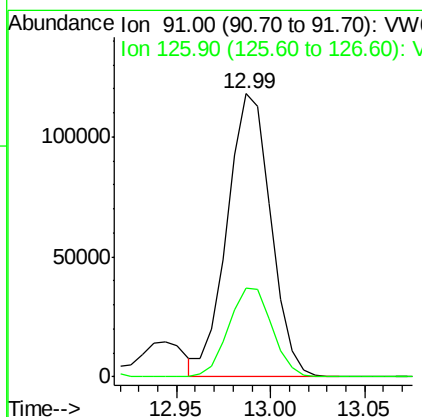
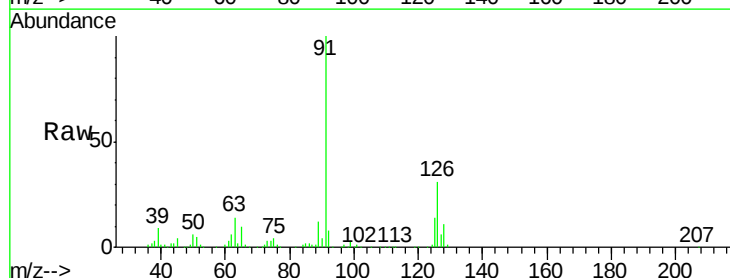
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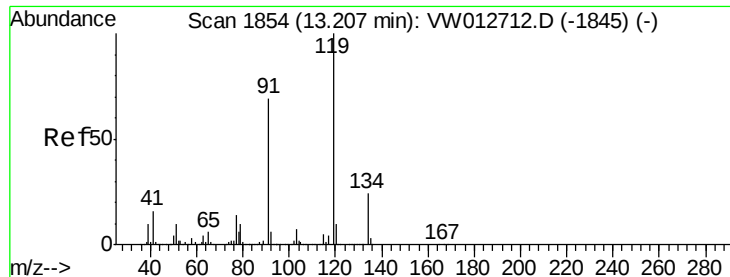
MMDadoda  
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#82  
4-Chlorotoluene  
Concen: 19.666 ug/l  
RT: 12.99 min Scan# 1818  
Delta R.T. -0.00 min  
Lab File: VW012711.D  
Acq: 07 Sep 2019 10:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 31.5  | 15.9  | 47.6  |





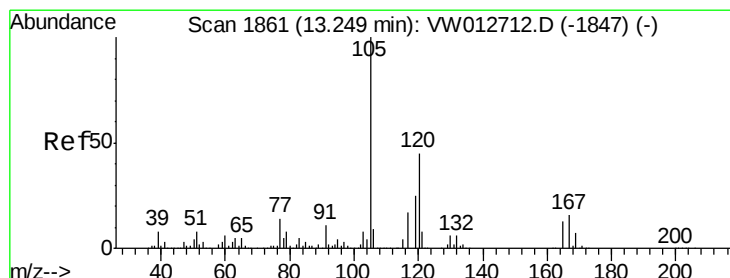
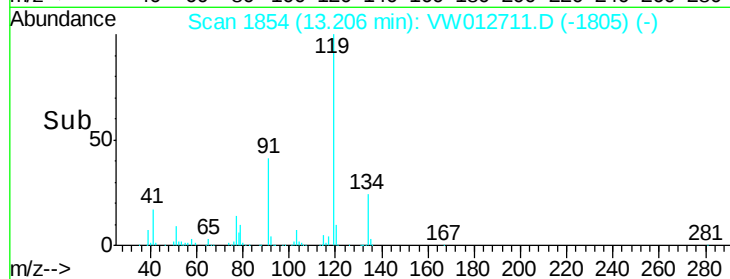
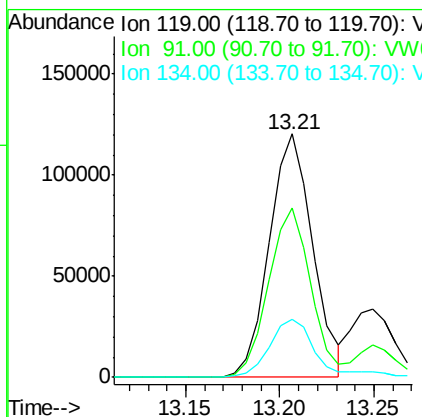
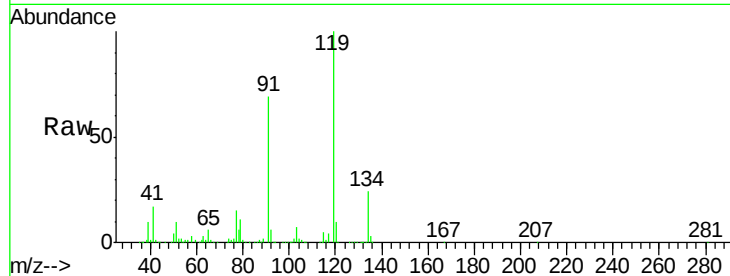
#83  
 tert-Butylbenzene  
 Concen: 19.521 ug/l  
 RT: 13.21 min Scan# 1854  
 Delta R.T. -0.00 min  
 Lab File: VW012711.D  
 Acq: 07 Sep 2019 10:38

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 67.5  | 34.2  | 102.5 |
| 134     | 23.9  | 12.3  | 36.9  |

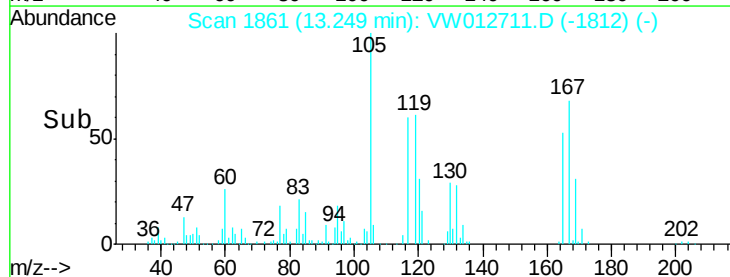
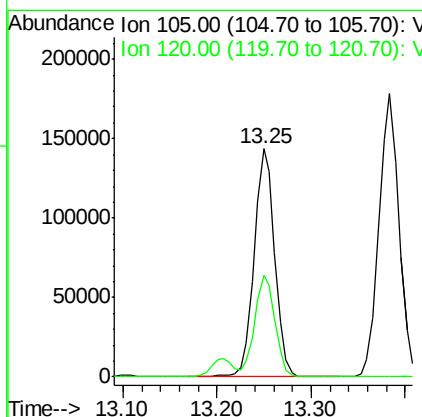
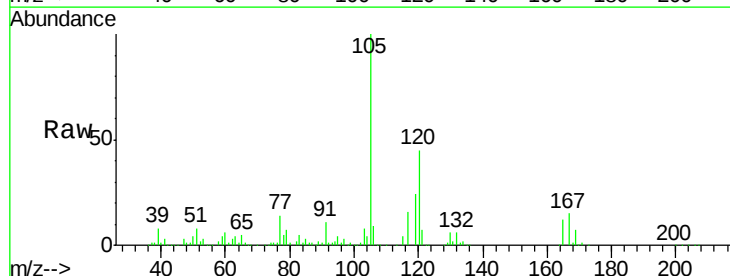
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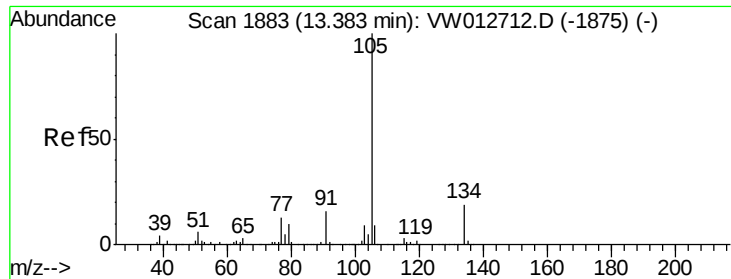
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#84  
 1,2,4-Trimethylbenzene  
 Concen: 19.698 ug/l  
 RT: 13.25 min Scan# 1861  
 Delta R.T. -0.00 min  
 Lab File: VW012711.D  
 Acq: 07 Sep 2019 10:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 43.9  | 22.1  | 66.3  |





#85

sec-Butylbenzene

Concen: 19.187 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 262469

Ion Ratio Lower Upper

105 100

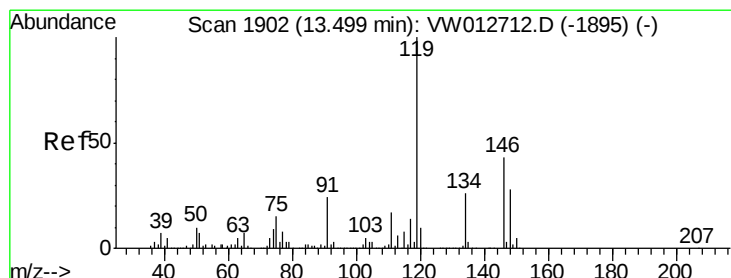
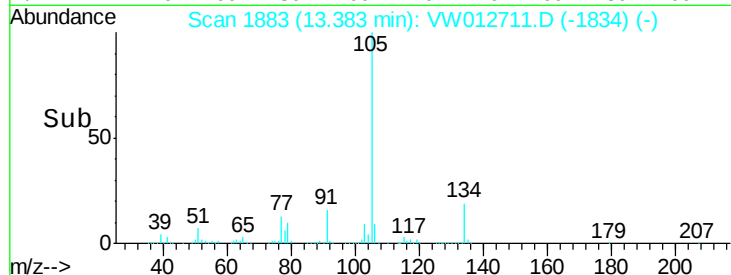
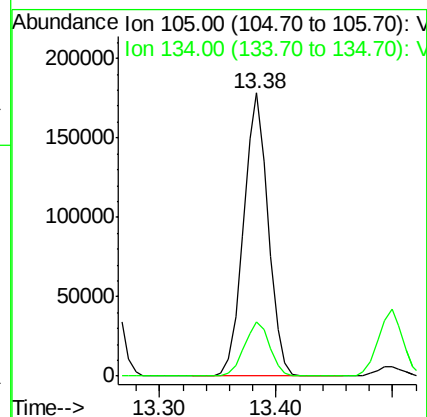
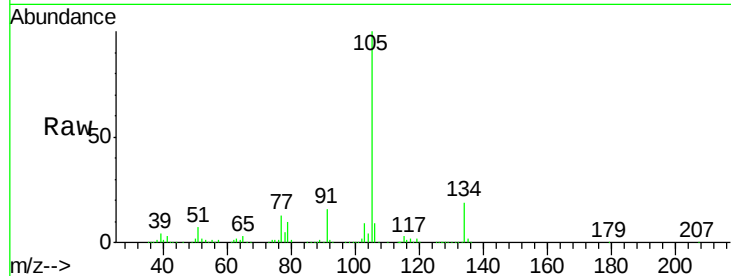
134 19.8 9.8 29.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.522 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

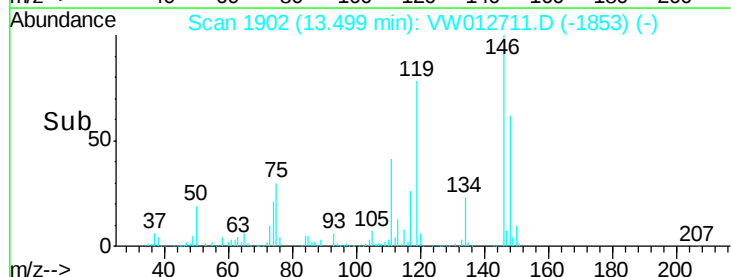
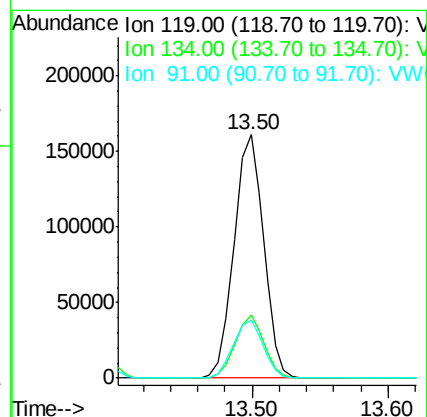
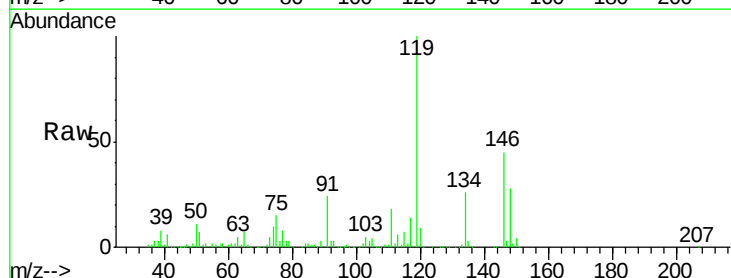
Tgt Ion:119 Resp: 243932

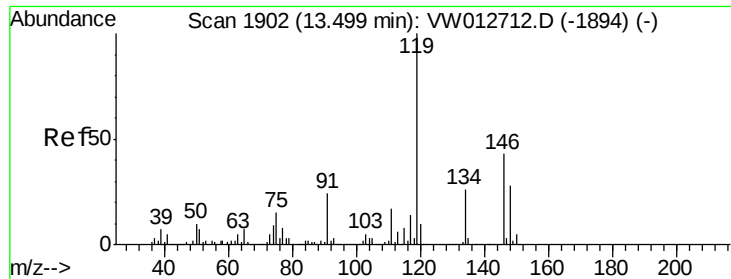
Ion Ratio Lower Upper

119 100

134 25.1 12.7 38.1

91 24.3 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 19.144 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA\_W

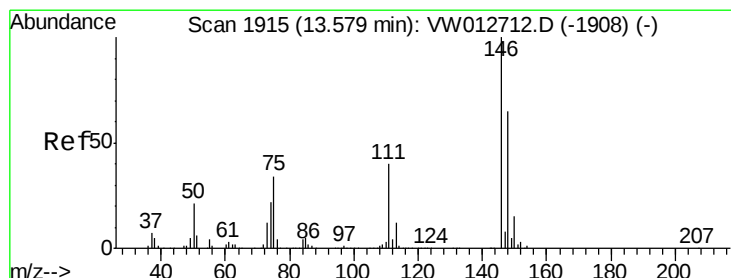
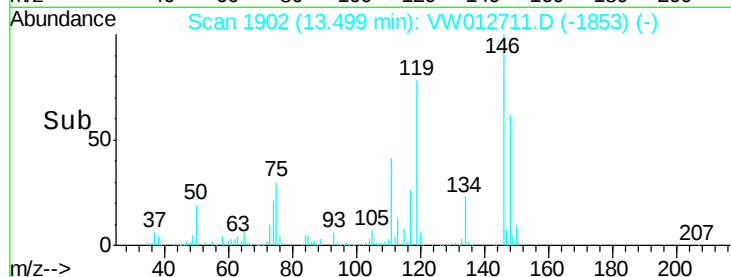
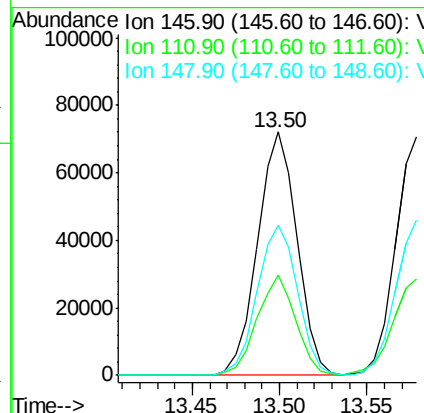
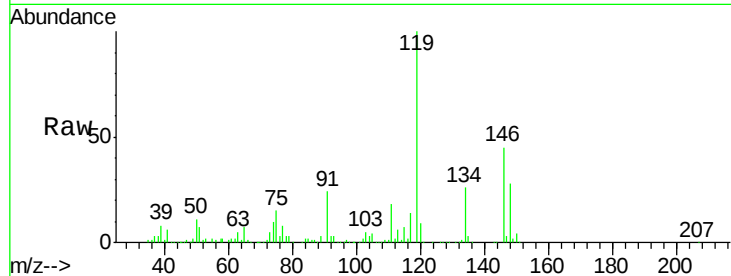
ClientSampleId :

VSTDIC020

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 112801 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 40.3  | 20.4  | 61.2   |
| 148       | 63.2  | 31.8  | 95.4   |

Manual Integrations  
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#88

1,4-Dichlorobenzene

Concen: 19.291 ug/l

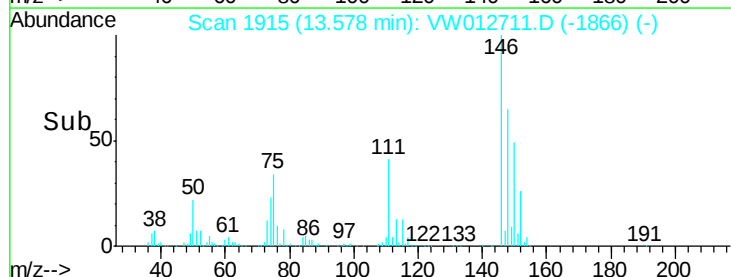
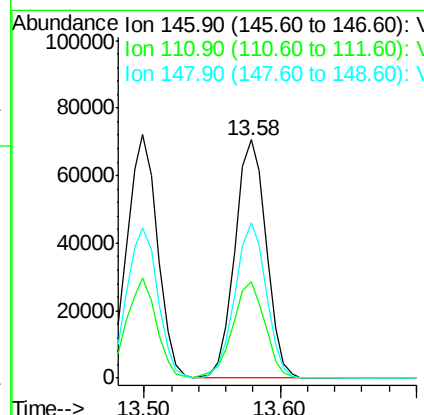
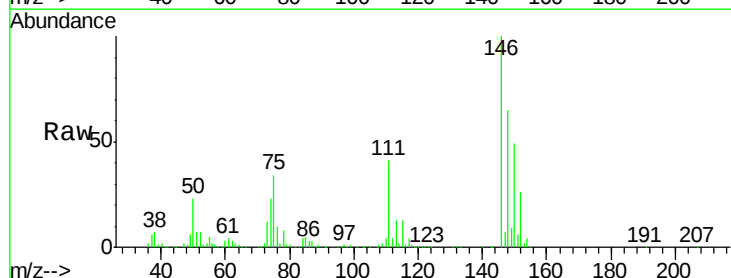
RT: 13.58 min Scan# 1915

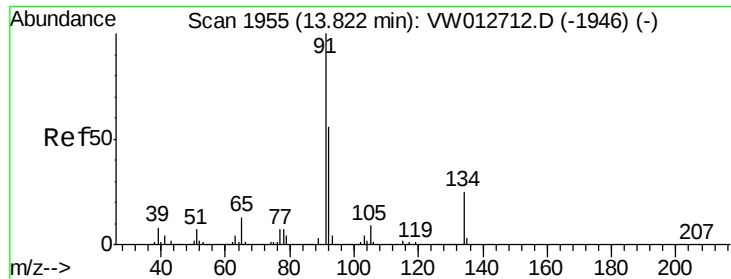
Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 113105 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 41.7  | 20.0  | 60.0   |
| 148       | 65.1  | 32.2  | 96.6   |





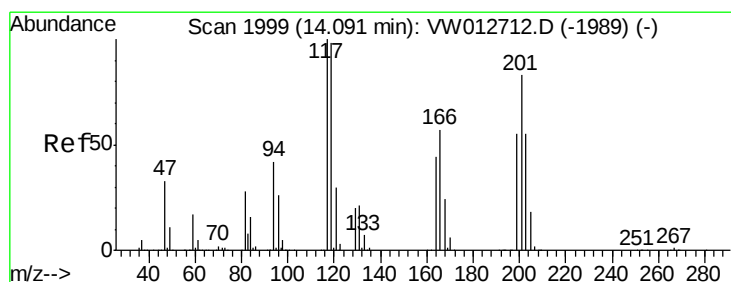
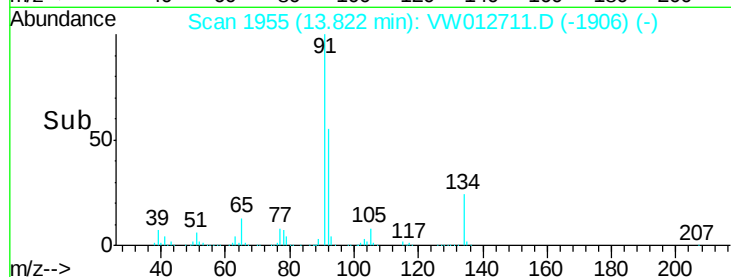
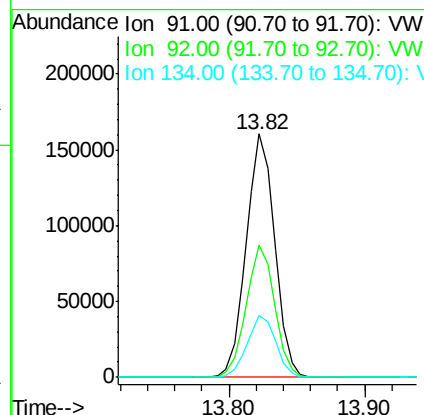
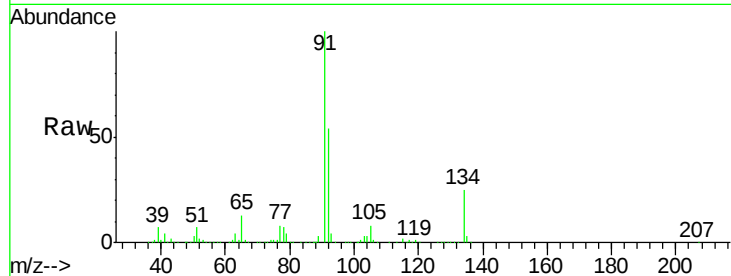
#89  
n-Butylbenzene  
Concen: 19.452 ug/l  
RT: 13.82 min Scan# 1955  
Delta R.T. -0.00 min  
Lab File: VW012711.D  
Acq: 07 Sep 2019 10:38

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 54.0  | 27.2  | 81.5  |
| 134     | 25.6  | 12.7  | 38.1  |

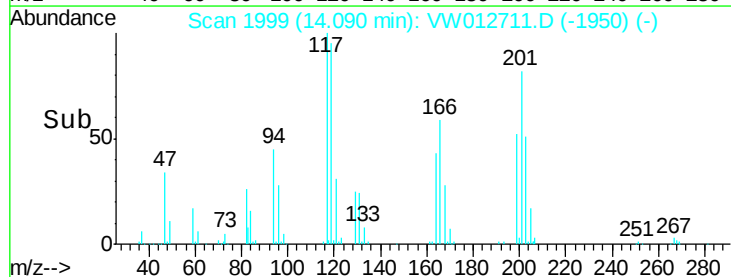
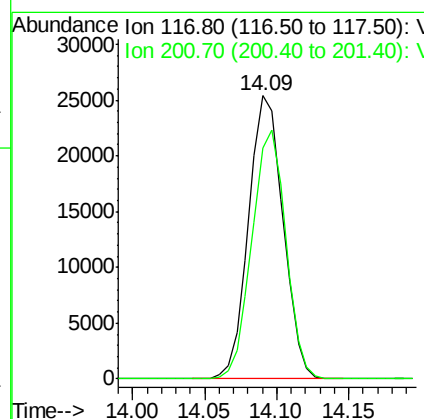
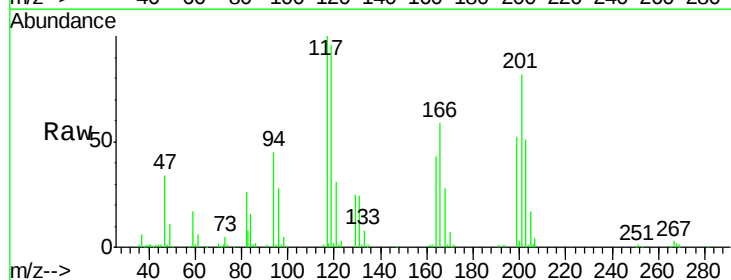
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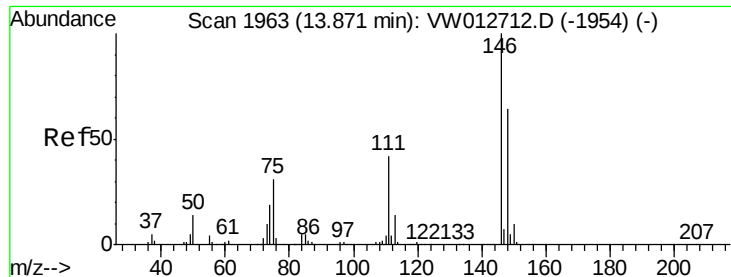
MMDadoda  
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#90  
Hexachloroethane  
Concen: 19.305 ug/l  
RT: 14.09 min Scan# 1999  
Delta R.T. -0.00 min  
Lab File: VW012711.D  
Acq: 07 Sep 2019 10:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 86.2  | 42.8  | 128.4 |





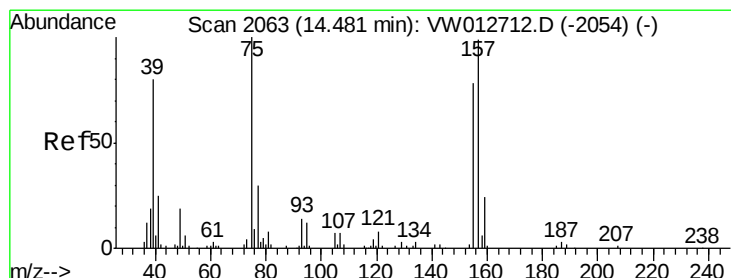
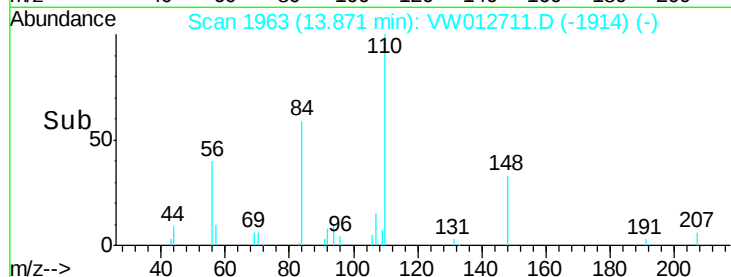
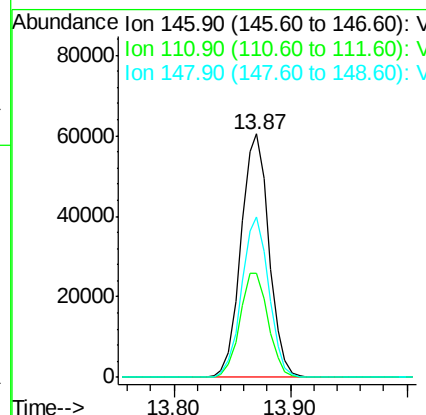
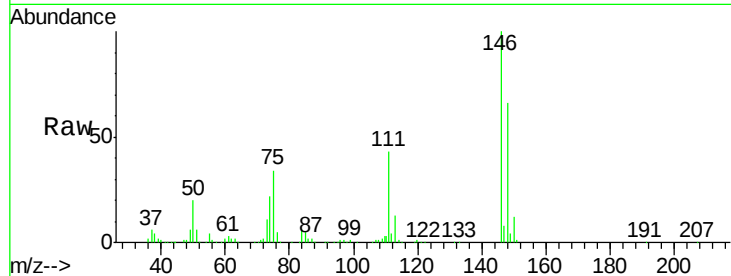
#91  
 1,2-Dichlorobenzene  
 Concen: 19.034 ug/l  
 RT: 13.87 min Scan# 1963  
 Delta R.T. -0.00 min  
 Lab File: VW012711.D  
 Acq: 07 Sep 2019 10:38

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.4  | 21.3  | 63.9  |
| 148     | 64.3  | 32.1  | 96.5  |

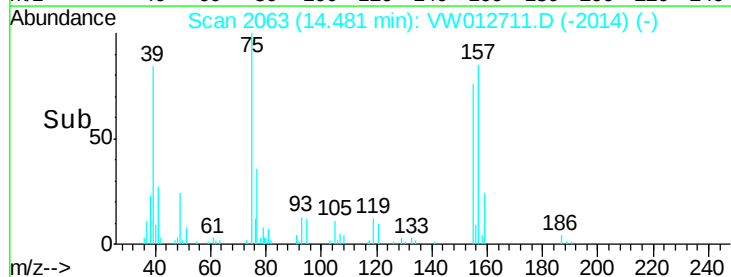
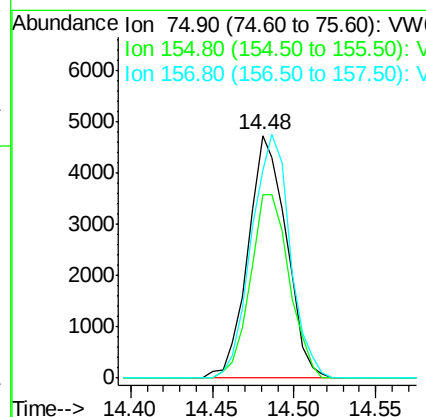
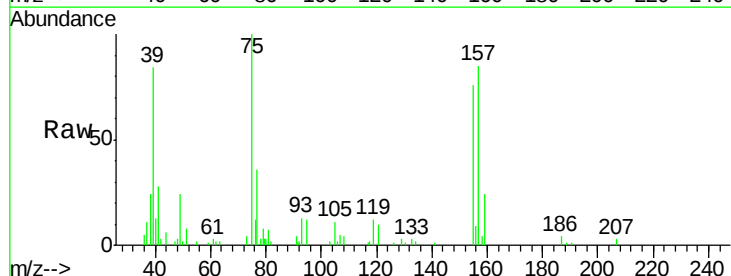
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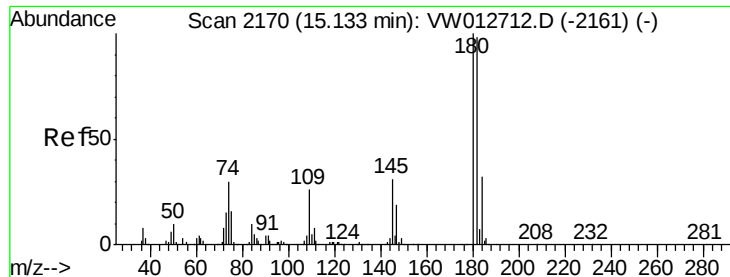
MMDadoda  
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 15.879 ug/l  
 RT: 14.48 min Scan# 2063  
 Delta R.T. -0.00 min  
 Lab File: VW012711.D  
 Acq: 07 Sep 2019 10:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 76.9  | 40.6  | 122.0 |
| 157     | 101.0 | 52.5  | 157.5 |





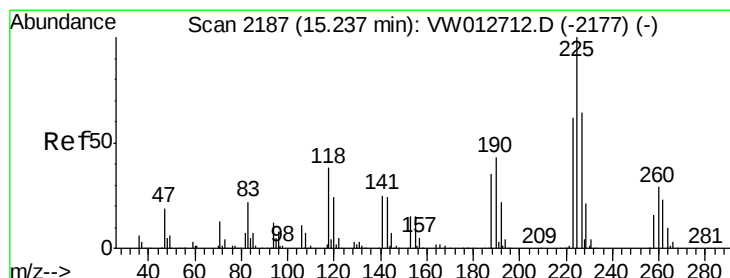
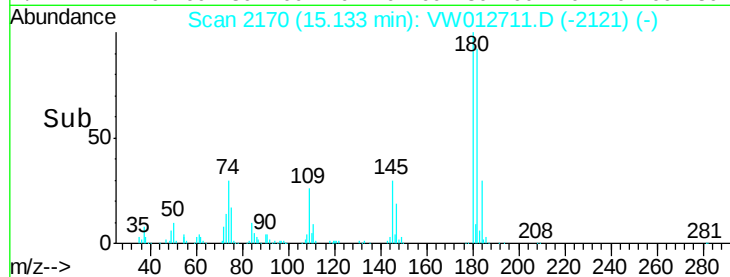
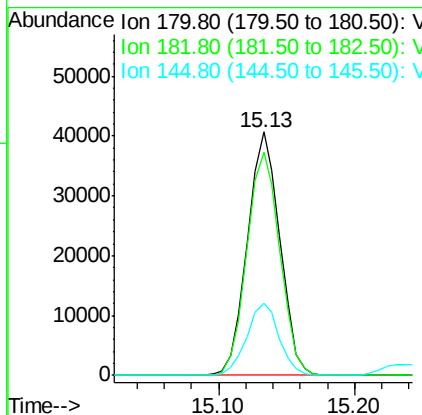
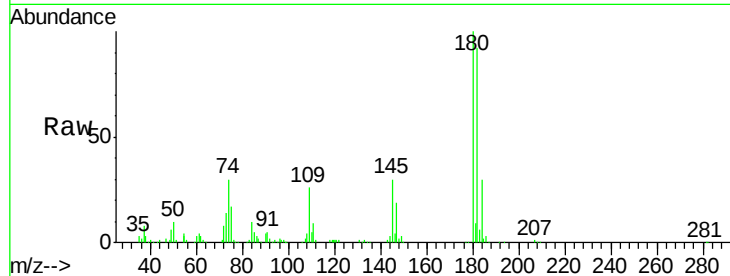
#93  
 1,2,4-Trichlorobenzene  
 Concen: 18.428 ug/l  
 RT: 15.13 min Scan# 2170  
 Delta R.T. -0.00 min  
 Lab File: VW012711.D  
 Acq: 07 Sep 2019 10:38

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC020

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 68043 |       |       |
| 182     | 93.2  | 48.7  | 146.1 |       |
| 145     | 29.7  | 15.0  | 45.1  |       |

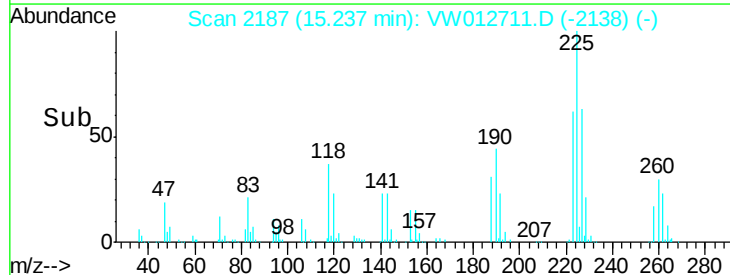
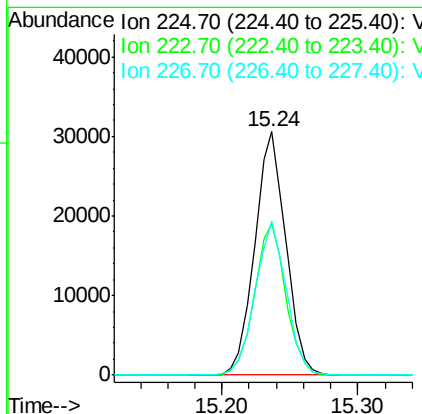
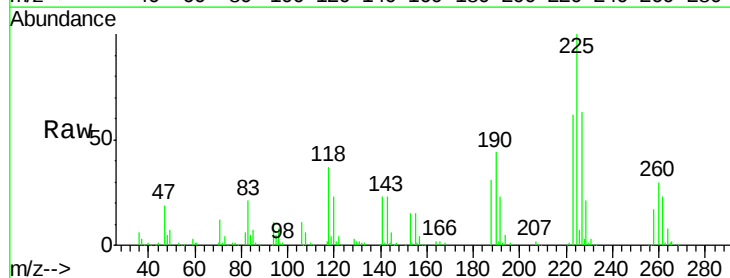
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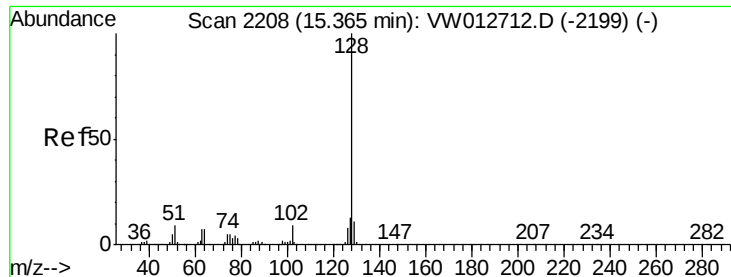
MMDadoda  
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#94  
 Hexachlorobutadiene  
 Concen: 19.132 ug/l  
 RT: 15.24 min Scan# 2187  
 Delta R.T. -0.00 min  
 Lab File: VW012711.D  
 Acq: 07 Sep 2019 10:38

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 48894 |       |       |
| 223     | 62.3  | 31.1  | 93.3  |       |
| 227     | 63.6  | 31.4  | 94.2  |       |





#95

Naphthalene

Concen: 16.852 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

Instrument :

MSVOA\_W

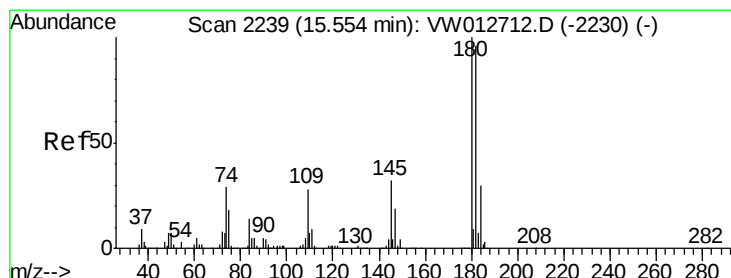
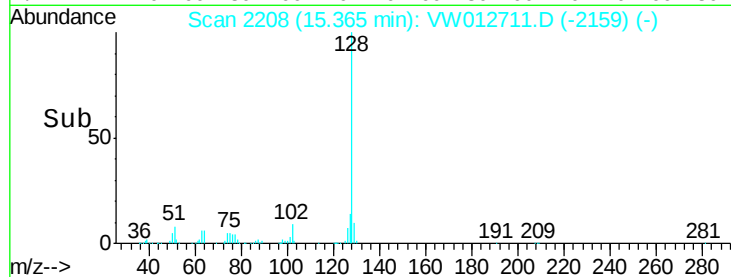
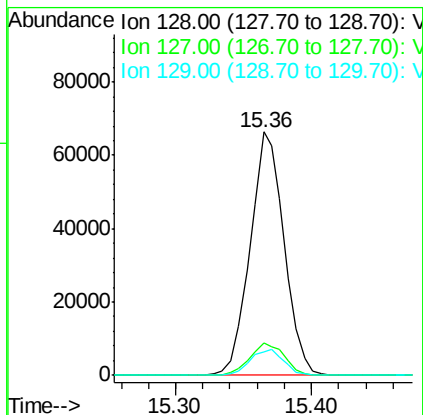
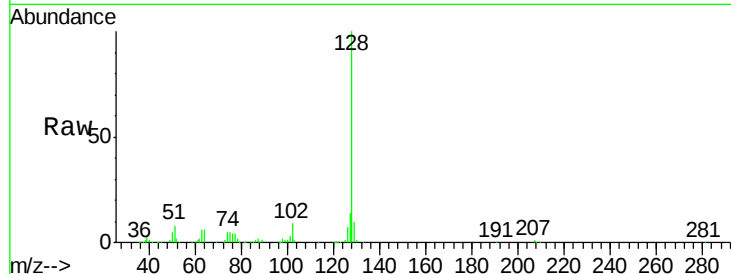
ClientSampleId :

VSTDIC020

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 115847 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.7  | 10.7  | 16.1   |
| 129       | 10.8  | 8.7   | 13.1   |

Manual Integrations  
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#96

1,2,3-Trichlorobenzene

Concen: 18.580 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW012711.D

Acq: 07 Sep 2019 10:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 60554 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.8  | 47.8  | 143.3 |
| 145       | 31.1  | 15.4  | 46.2  |

