

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021319\  
 Data File : VW008638.D  
 Acq On : 13 Feb 2019 14:19  
 Operator : SY/VA  
 Sample : VSTDIC005  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

Manual Integrations  
 APPROVED

MMDadoda  
 2/14/2019 2:08:44 PM

Quant Time: Feb 14 03:56:01 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W021319S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 14 03:43:11 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 444076   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 673918   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 594275   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 314913   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |      |        |      |
|---------------------------|--------|-----|----------|------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 22450    | 4.86 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 9.72%  |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 20978    | 5.01 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 10.02% |      |
| 50) Toluene-d8            | 10.32  | 98  | 80648    | 5.00 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 10.00% |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 28360    | 4.67 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 9.34%  |      |

## Target Compounds

|                               |      |     |        |              | Qvalue |
|-------------------------------|------|-----|--------|--------------|--------|
| 2) Dichlorodifluoromethane    | 2.01 | 85  | 13682  | 4.810 ug/l   | 89     |
| 3) Chloromethane              | 2.21 | 50  | 20153  | 4.915 ug/l   | 99     |
| 4) Vinyl Chloride             | 2.36 | 62  | 25209  | 4.681 ug/l   | 93     |
| 5) Bromomethane               | 2.78 | 94  | 20636  | 4.842 ug/l   | 100    |
| 6) Chloroethane               | 2.93 | 64  | 18255  | 4.555 ug/l   | 89     |
| 7) Trichlorofluoromethane     | 3.26 | 101 | 17343  | 4.134 ug/l   | 96     |
| 8) Diethyl Ether              | 3.67 | 74  | 12466  | 4.980 ug/l   | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101 | 21334  | 4.812 ug/l   | 98     |
| 10) Methyl Iodide             | 4.26 | 142 | 33511  | 4.843 ug/l   | 99     |
| 11) Tert butyl alcohol        | 5.18 | 59  | 9796m  | 27.030 ug/l  |        |
| 12) 1,1-Dichloroethene        | 4.03 | 96  | 21569  | 4.975 ug/l   | 96     |
| 13) Acrolein                  | 3.89 | 56  | 9605   | 25.238 ug/l  | 98     |
| 14) Allyl chloride            | 4.67 | 41  | 31897  | 4.428 ug/l   | 92     |
| 15) Acrylonitrile             | 5.37 | 53  | 24305  | 23.067 ug/l  | 95     |
| 16) Acetone                   | 4.12 | 43  | 27387  | 26.159 ug/l  | 100    |
| 17) Carbon Disulfide          | 4.37 | 76  | 62584  | 4.784 ug/l   | 95     |
| 18) Methyl Acetate            | 4.67 | 43  | 12923  | 5.383 ug/l   | 98     |
| 19) Methyl tert-butyl Ether   | 5.42 | 73  | 37145  | 4.881 ug/l   | 99     |
| 20) Methylene Chloride        | 4.91 | 84  | 51405  | 8.551 ug/l   | 86     |
| 21) trans-1,2-Dichloroethene  | 5.42 | 96  | 23577  | 4.966 ug/l   | 98     |
| 22) Diisopropyl ether         | 6.31 | 45  | 67632  | 4.665 ug/l   | 97     |
| 23) Vinyl Acetate             | 6.25 | 43  | 207469 | 22.050 ug/l  | 99     |
| 24) 1,1-Dichloroethane        | 6.21 | 63  | 40179  | 4.803 ug/l   | 96     |
| 25) 2-Butanone                | 7.18 | 43  | 34554  | 23.293 ug/l  | 97     |
| 26) 2,2-Dichloropropane       | 7.15 | 77  | 26230  | 5.019 ug/l   | 100    |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96  | 25082  | 4.886 ug/l   | 96     |
| 28) Bromochloromethane        | 7.51 | 49  | 16908  | 4.788 ug/l   | 97     |
| 29) Tetrahydrofuran           | 7.53 | 42  | 23859  | 24.401 ug/l  | 98     |
| 30) Chloroform                | 7.67 | 83  | 39547  | 4.718 ug/l   | 99     |
| 31) Cyclohexane               | 7.95 | 56  | 47031  | 5.570 ug/l # | 78     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97  | 34286  | 4.843 ug/l   | 97     |
| 36) 1,1-Dichloropropene       | 8.07 | 75  | 32644  | 4.821 ug/l   | 99     |
| 37) Ethyl Acetate             | 7.26 | 43  | 15224  | 4.661 ug/l # | 94     |
| 38) Carbon Tetrachloride      | 8.07 | 117 | 30889  | 4.588 ug/l   | 97     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021319\  
 Data File : VW008638.D  
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 Operator : SY/VA  
 Sample : VSTDIC005  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

Manual Integrations  
 APPROVED

MMDadoda  
 2/14/2019 2:08:44 PM

Quant Time: Feb 14 03:56:01 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W021319S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 14 03:43:11 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 9.33  | 83   | 41131    | 4.803  | ug/l   | 98       |
| 40) Benzene                    | 8.32  | 78   | 91029    | 4.923  | ug/l   | 97       |
| 41) Methacrylonitrile          | 7.48  | 41   | 6935     | 3.774  | ug/l # | 67       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 27438    | 4.784  | ug/l   | 97       |
| 43) Isopropyl Acetate          | 8.42  | 43   | 29958    | 4.600  | ug/l   | 93       |
| 44) Trichloroethene            | 9.09  | 130  | 25620    | 4.997  | ug/l   | 94       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 22682    | 4.956  | ug/l   | 96       |
| 46) Dibromomethane             | 9.45  | 93   | 12370    | 4.907  | ug/l   | 96       |
| 47) Bromodichloromethane       | 9.64  | 83   | 28013    | 4.624  | ug/l # | 96       |
| 48) Methyl methacrylate        | 9.44  | 41   | 13705    | 4.541  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.45  | 88   | 3904     | 97.019 | ug/l # | 86       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 76333    | 22.817 | ug/l   | 98       |
| 52) Toluene                    | 10.38 | 92   | 56647    | 4.749  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene      | 10.60 | 75   | 27644    | 4.343  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 32644    | 4.524  | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 16807    | 4.859  | ug/l   | 94       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 20062    | 4.368  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 29077    | 4.738  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.92  | 63   | 53318    | 24.199 | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.97 | 43   | 52687    | 22.418 | ug/l   | 99       |
| 60) Dibromochloromethane       | 11.12 | 129  | 17829    | 4.308  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 15883    | 4.664  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.86 | 164  | 22110    | 5.003  | ug/l   | 94       |
| 65) Chlorobenzene              | 11.66 | 112  | 63576    | 4.963  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 21410    | 4.718  | ug/l   | 96       |
| 67) Ethyl Benzene              | 11.73 | 91   | 109910   | 4.817  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.84 | 106  | 84780    | 9.550  | ug/l   | 100      |
| 69) o-Xylene                   | 12.16 | 106  | 38915    | 4.637  | ug/l   | 95       |
| 70) Styrene                    | 12.18 | 104  | 63528    | 4.635  | ug/l   | 98       |
| 71) Bromoform                  | 12.35 | 173  | 10558    | 4.318  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.46 | 105  | 109958   | 4.688  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.27 | 43   | 25965    | 4.093  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 19335    | 4.738  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 16720m   | 4.449  | ug/l   |          |
| 77) Bromobenzene               | 12.74 | 156  | 26272    | 4.872  | ug/l   | 95       |
| 78) n-propylbenzene            | 12.80 | 91   | 129582   | 4.649  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.90 | 91   | 74432    | 4.725  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 90104    | 4.625  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-buten | 12.51 | 75   | 5128     | 4.031  | ug/l   | 90       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 79722    | 4.776  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.21 | 119  | 78995    | 4.669  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.25 | 105  | 94667    | 4.727  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.38 | 105  | 115402   | 4.685  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.50 | 119  | 102062   | 4.631  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.50 | 146  | 53028    | 4.851  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 53456    | 4.962  | ug/l   | 93       |
| 89) n-Butylbenzene             | 13.83 | 91   | 97544    | 4.658  | ug/l   | 100      |
| 90) Hexachloroethane           | 14.10 | 117  | 16750    | 4.350  | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 47947    | 4.951  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 3449     | 4.863  | ug/l   | 95       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW021319\  
 Data File : VW008638.D  
 Acq On : 13 Feb 2019 14:19  
 Operator : SY/VA  
 Sample : VSTDICC005  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDICC005

Manual Integrations  
 APPROVED

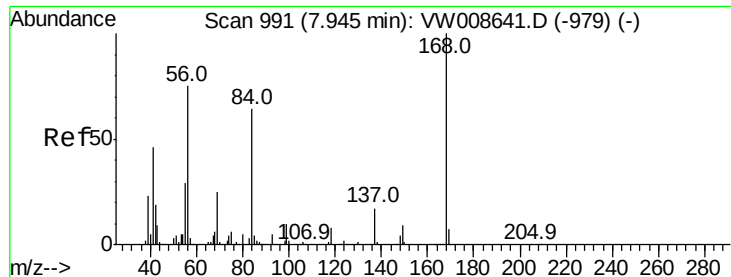
MMDadoda  
 2/14/2019 2:08:44 PM

Quant Time: Feb 14 03:56:01 2019  
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W021319S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 14 03:43:11 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.14 | 180  | 33490    | 4.858 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 20516    | 5.113 | ug/l  | 99       |
| 95) Naphthalene            | 15.37 | 128  | 54763    | 4.433 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.57 | 180  | 28903    | 4.886 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008638.D

Acq: 13 Feb 2019 14:19

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 444076

Ion Ratio Lower Upper

168 100

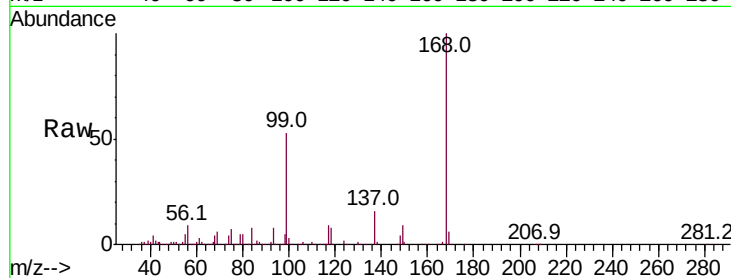
99 52.8 42.8 64.2

Manual Integrations

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2/14/2019 2:08:44 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

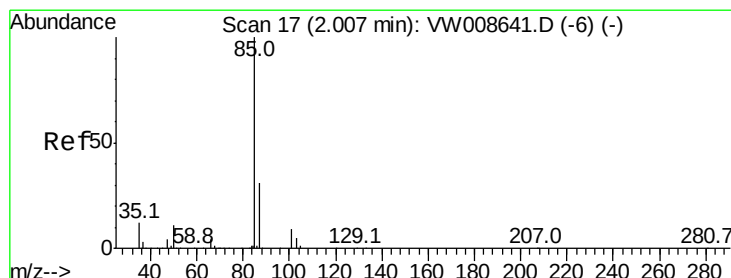
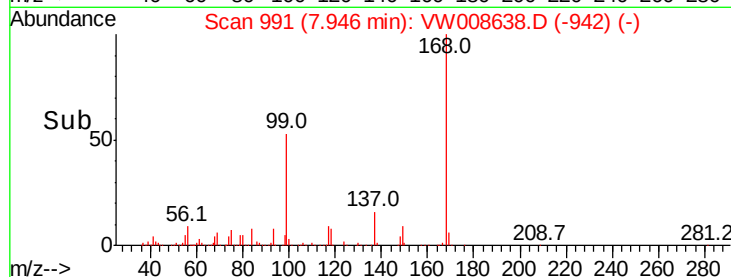
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 4.810 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008638.D

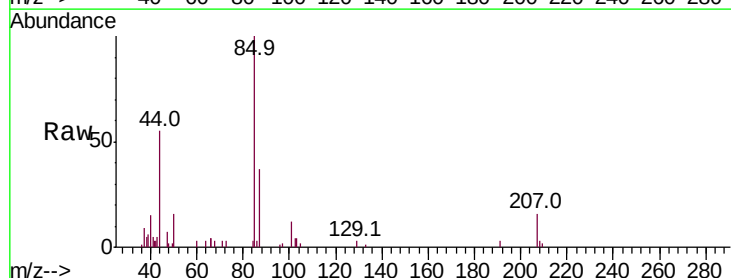
Acq: 13 Feb 2019 14:19

Tgt Ion: 85 Resp: 13682

Ion Ratio Lower Upper

85 100

87 37.2 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

5000

4000

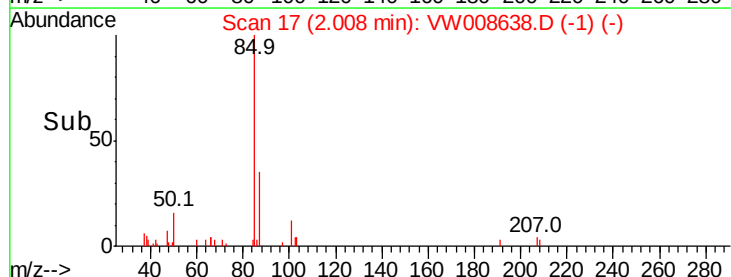
3000

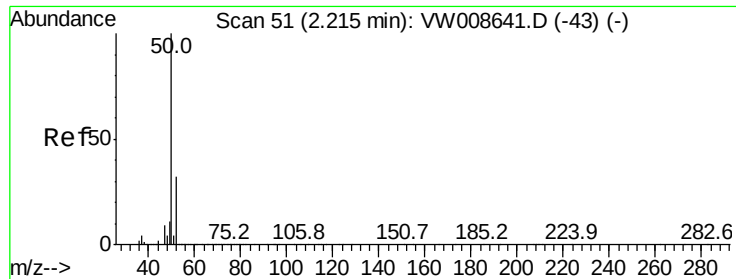
2000

1000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 4.915 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008638.D

Acq: 13 Feb 2019 14:19

Instrument :

MSVOA\_W

ClientSampled :

VSTDIC005

Tot Ion: 50 Resp: 20153

Ion Ratio Lower Upper

50 100

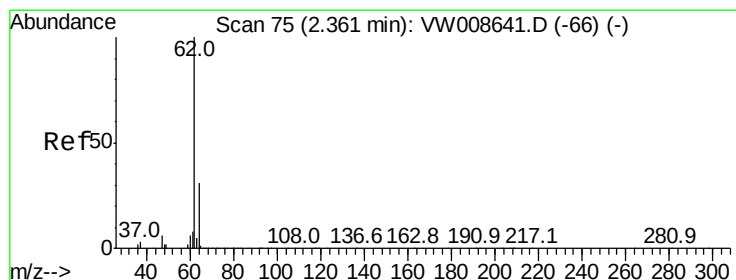
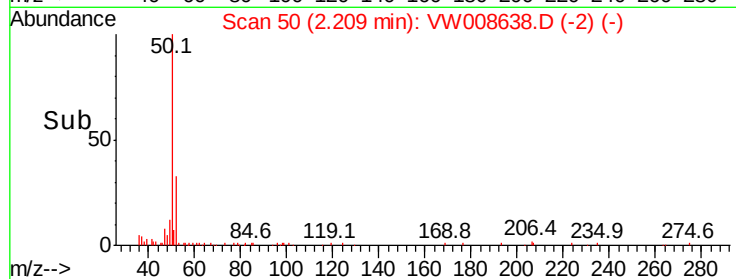
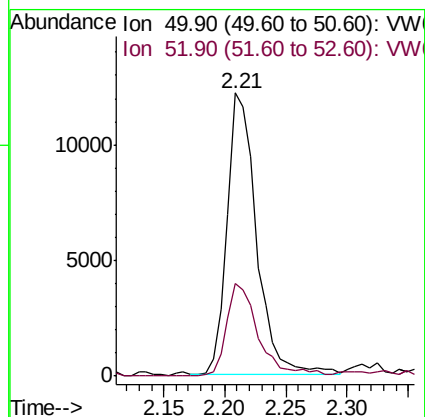
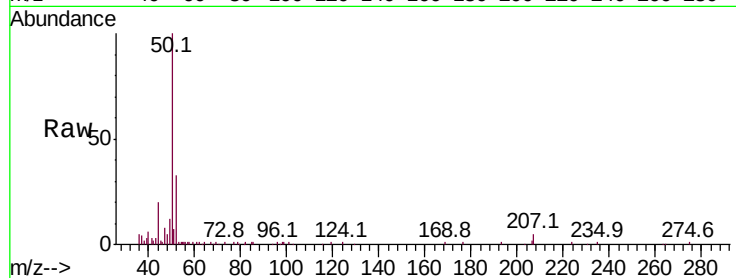
52 32.9 26.0 39.0

Manual Integrations

APPROVED

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2/14/2019 2:08:44 PM



#4

Vinyl Chloride

Concen: 4.681 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW008638.D

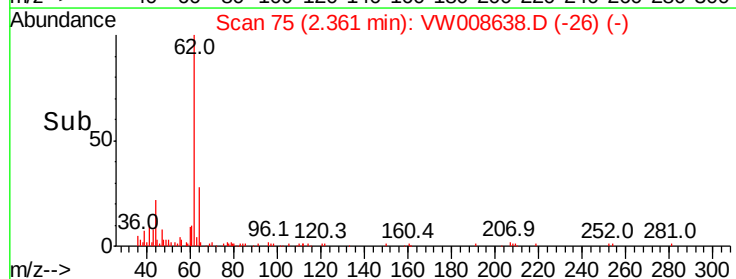
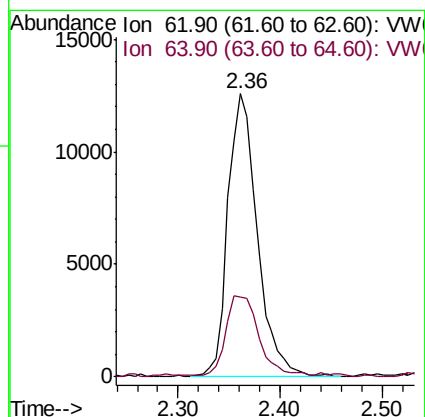
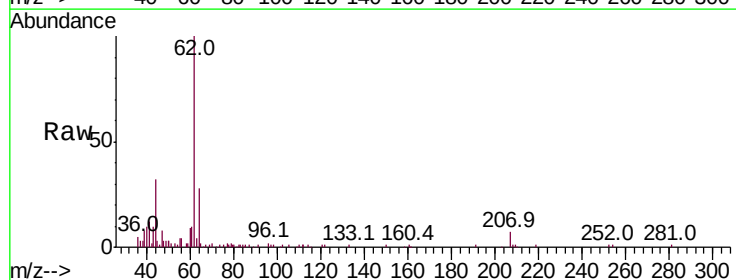
Acq: 13 Feb 2019 14:19

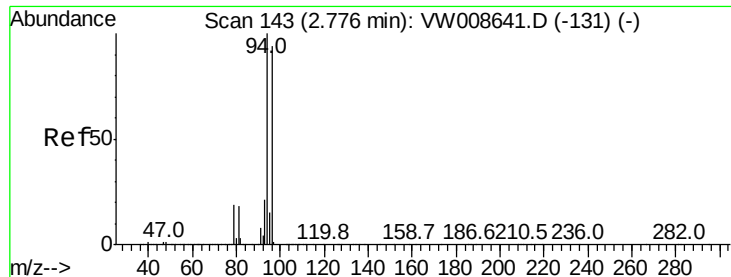
Tgt Ion: 62 Resp: 25209

Ion Ratio Lower Upper

62 100

64 27.6 25.1 37.7





#5

Bromomethane

Concen: 4.842 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW008638.D

Acq: 13 Feb 2019 14:19

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 20636

Ion Ratio Lower Upper

94 100

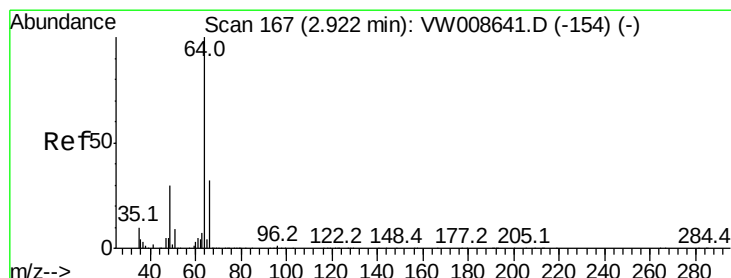
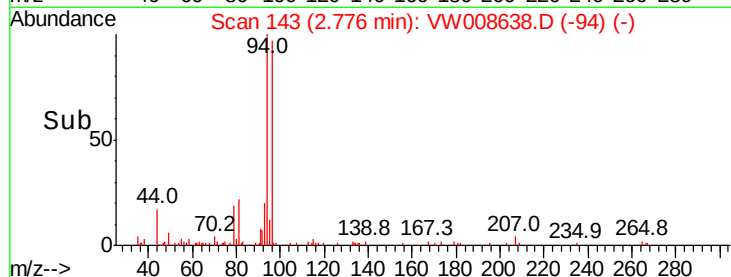
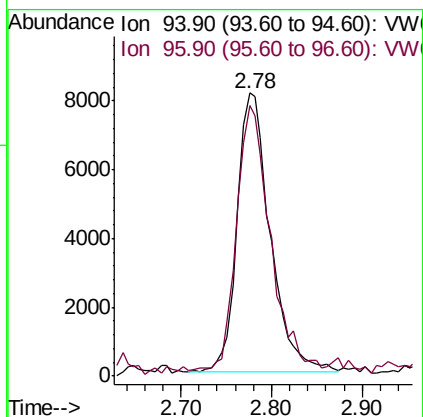
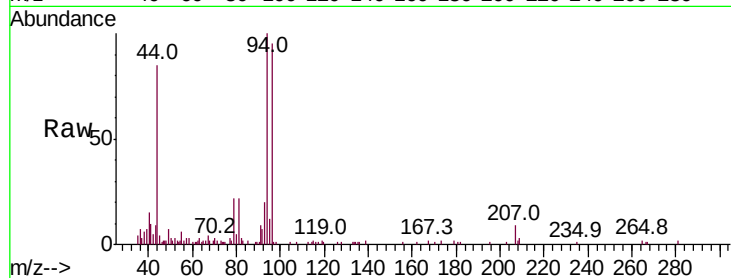
96 94.6 75.5 113.3

Manual Integrations

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2/14/2019 2:08:44 PM



#6

Chloroethane

Concen: 4.555 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW008638.D

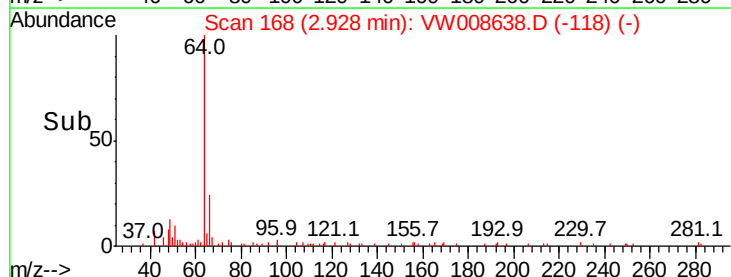
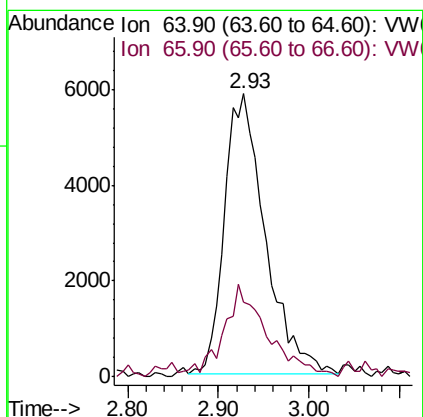
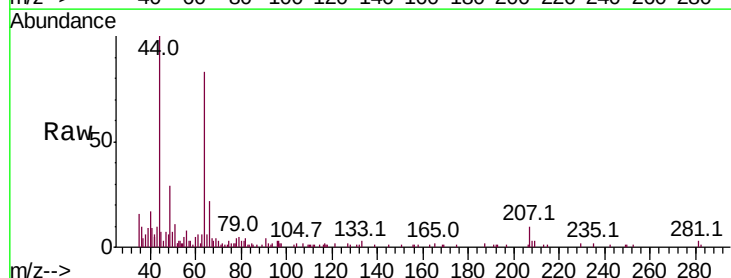
Acq: 13 Feb 2019 14:19

Tgt Ion: 64 Resp: 18255

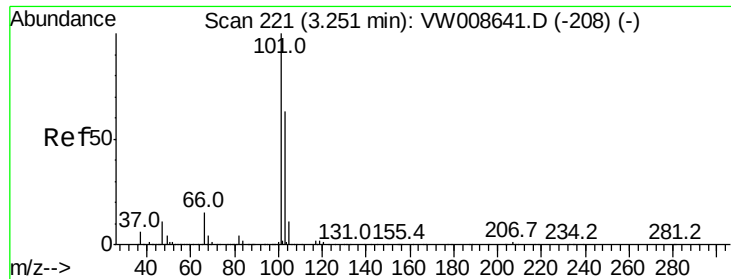
Ion Ratio Lower Upper

64 100

66 26.8 26.2 39.4







#7

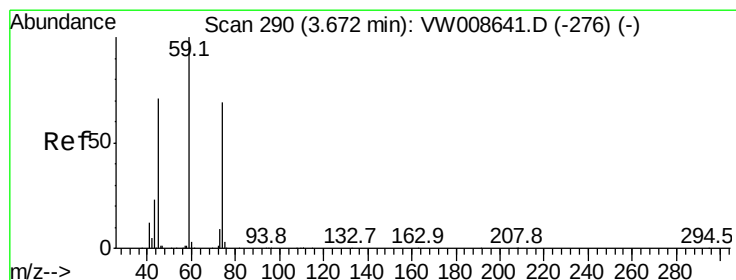
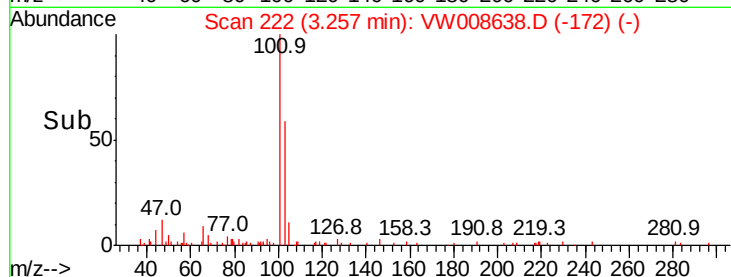
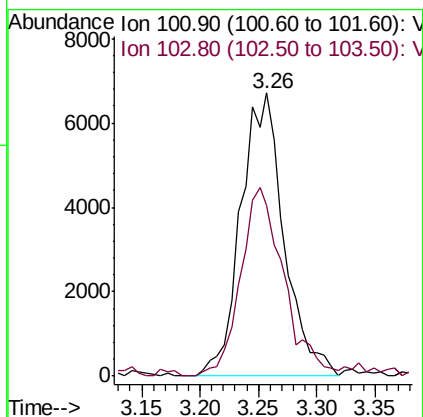
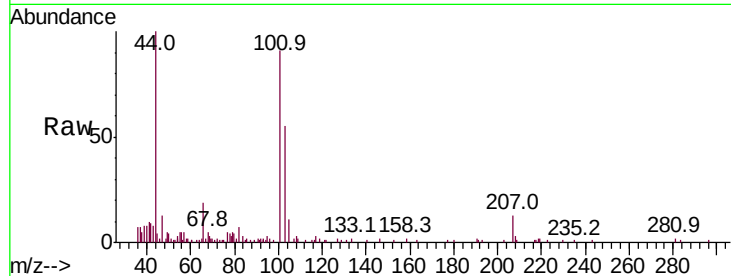
Trichlorofluoromethane  
Concen: 4.134 ug/l  
RT: 3.26 min Scan# 222  
Delta R.T. 0.01 min  
Lab File: VW008638.D  
Acq: 13 Feb 2019 14:19

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 60.2  | 50.5  | 75.7  |

Manual Integrations  
APPROVED

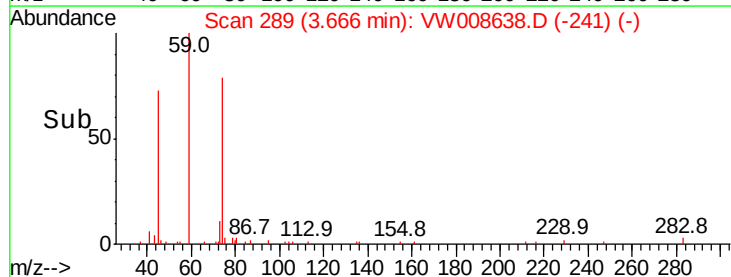
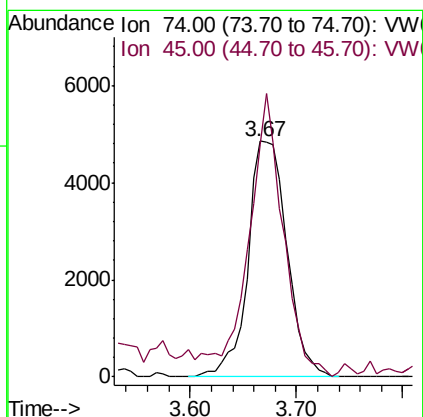
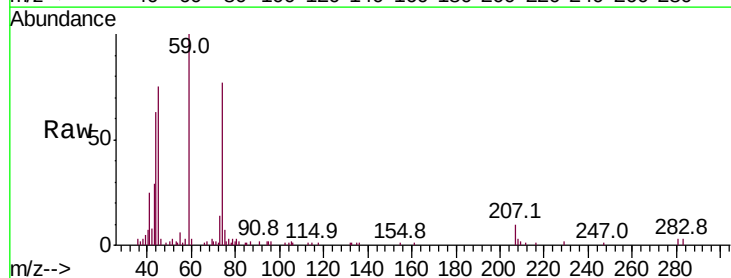
MMDadoda  
2/14/2019 2:08:44 PM



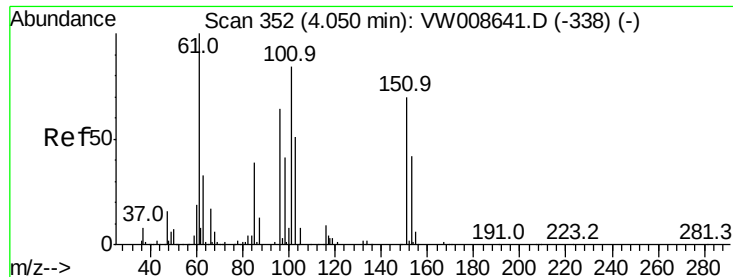
#8

Diethyl Ether  
Concen: 4.980 ug/l  
RT: 3.67 min Scan# 289  
Delta R.T. -0.01 min  
Lab File: VW008638.D  
Acq: 13 Feb 2019 14:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 102.6 | 50.2  | 150.6 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.812 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW008638.D

Acq: 13 Feb 2019 14:19

Instrument :

MSVOA\_W

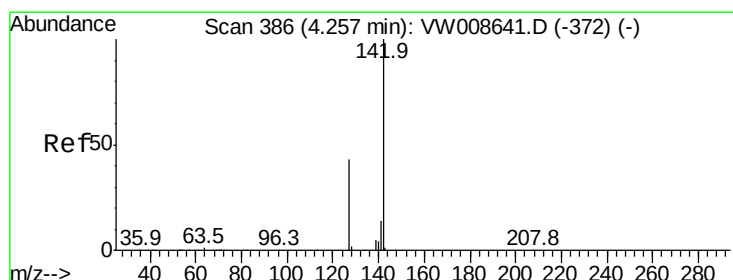
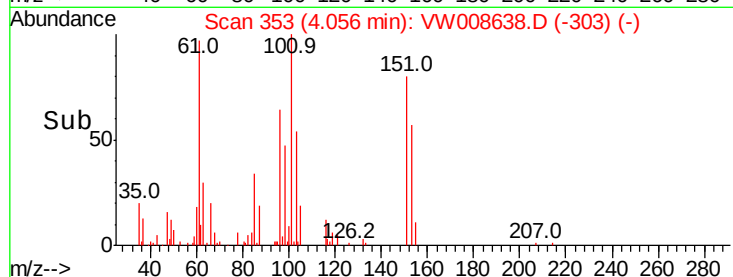
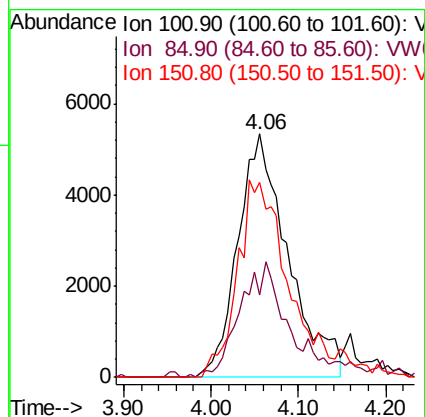
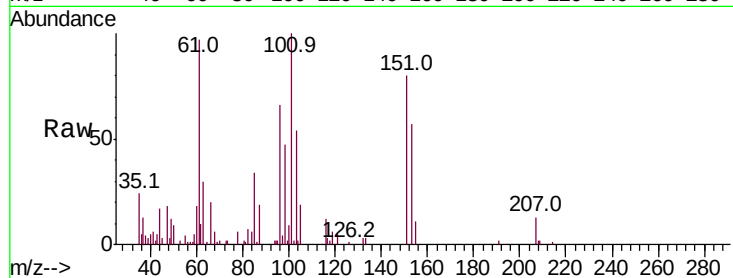
ClientSampleId :

VSTDIC005

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 21334 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 40.2  | 34.3  | 51.5  |
| 151       | 80.6  | 65.6  | 98.4  |

Manual Integrations  
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#10

Methyl Iodide

Concen: 4.843 ug/l

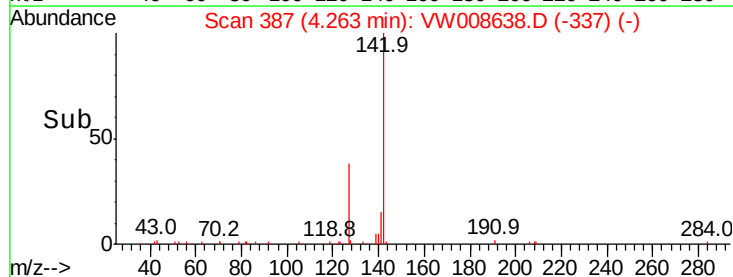
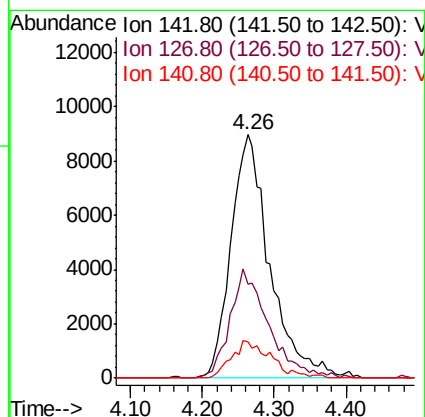
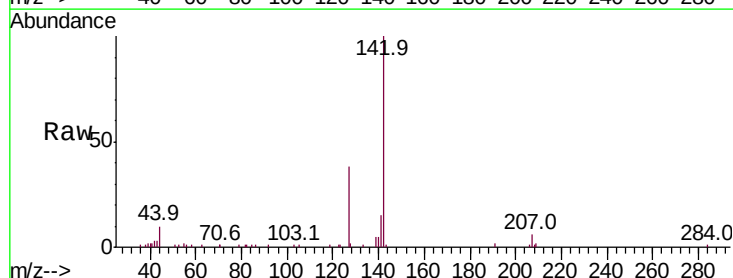
RT: 4.26 min Scan# 387

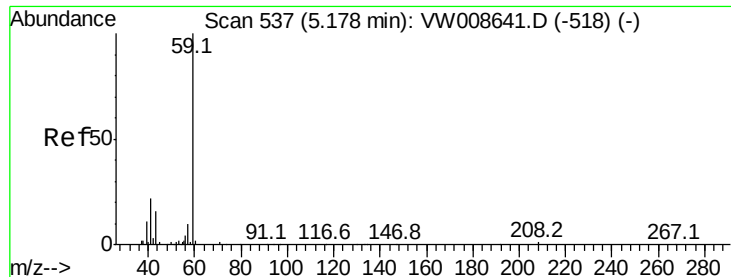
Delta R.T. 0.01 min

Lab File: VW008638.D

Acq: 13 Feb 2019 14:19

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 33511 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 44.4  | 34.8  | 52.2  |
| 141       | 14.4  | 11.8  | 17.8  |





#11

Tert butyl alcohol

Concen: 27.030 ug/l m

RT: 5.18 min Scan# 537

Delta R.T. 0.00 min

Lab File: VW008638.D

Acq: 13 Feb 2019 14:19

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion: 59 Resp: 9796

Ion Ratio Lower Upper

59 100

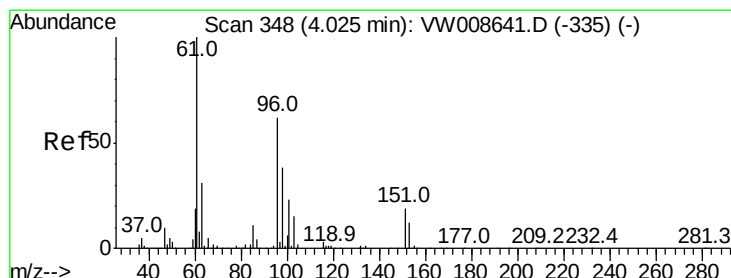
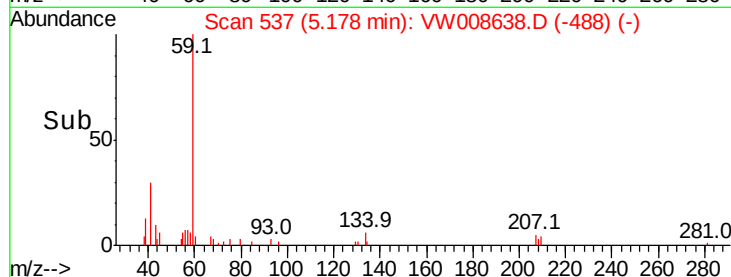
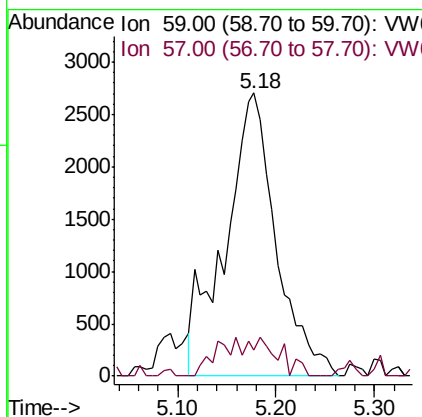
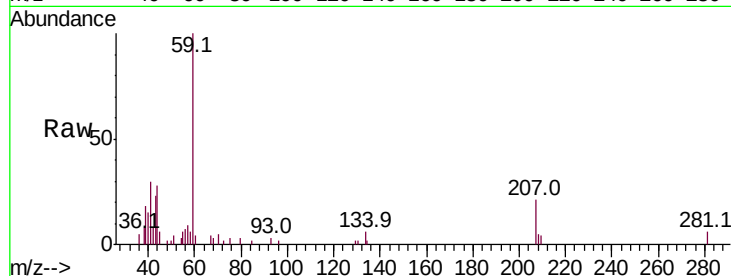
57 0.0 8.3 12.5#

Manual Integrations

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#12

1,1-Dichloroethene

Concen: 4.975 ug/l

RT: 4.03 min Scan# 348

Delta R.T. 0.00 min

Lab File: VW008638.D

Acq: 13 Feb 2019 14:19

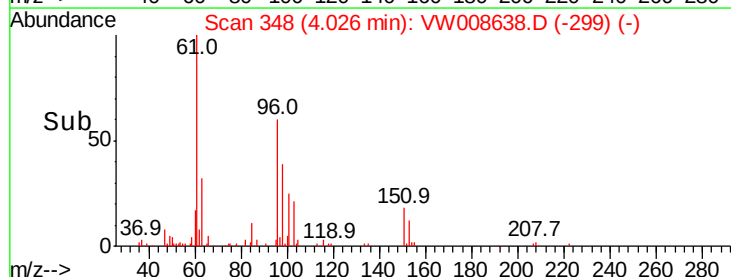
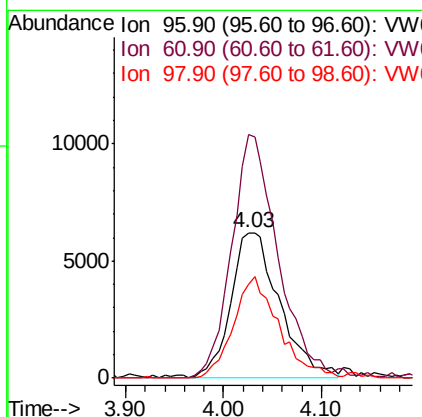
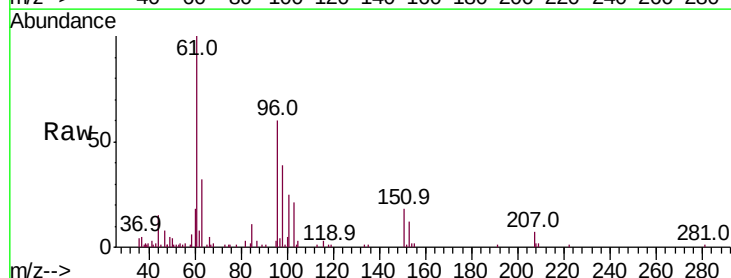
Tgt Ion: 96 Resp: 21569

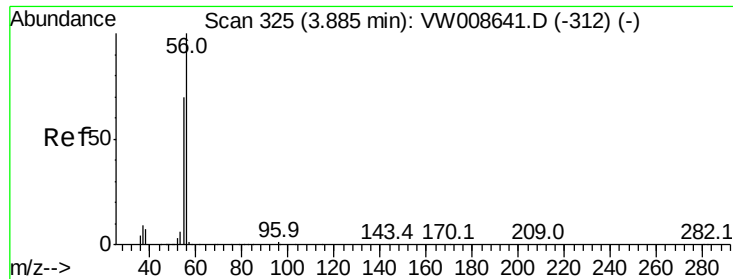
Ion Ratio Lower Upper

96 100

61 167.3 129.8 194.6

98 64.8 49.3 73.9





#13

Acrolein

Concen: 25.238 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008638.D

Acq: 13 Feb 2019 14:19

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 9605

Ion Ratio Lower Upper

56 100

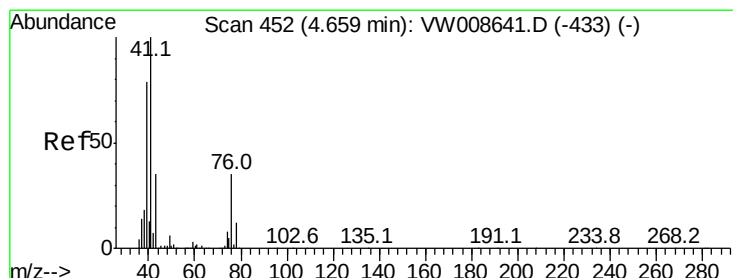
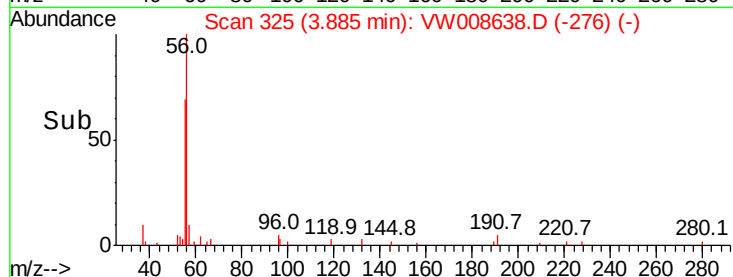
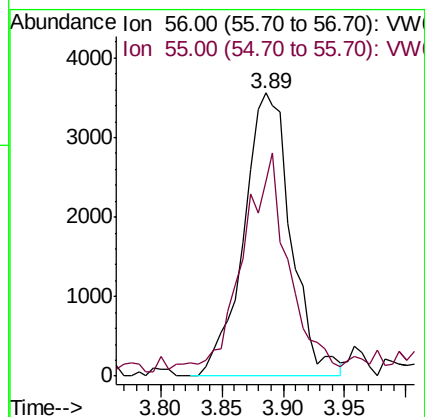
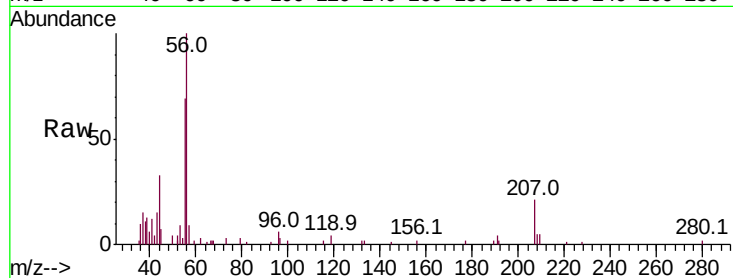
55 70.3 57.4 86.2

Manual Integrations

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#14

Allyl chloride

Concen: 4.428 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW008638.D

Acq: 13 Feb 2019 14:19

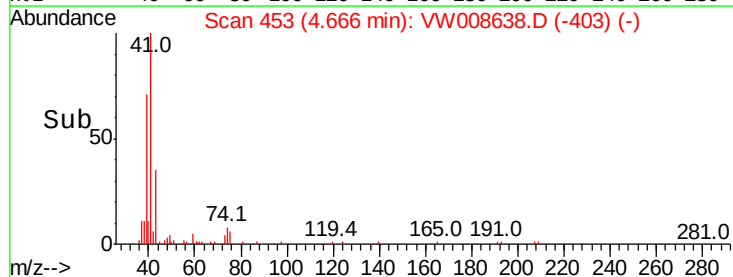
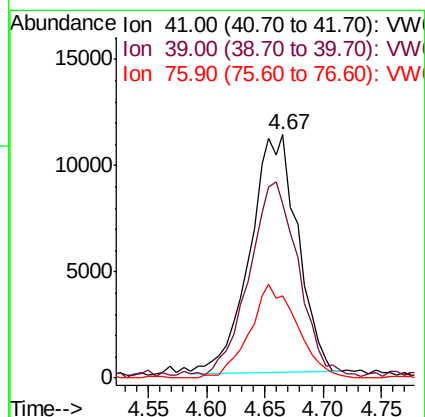
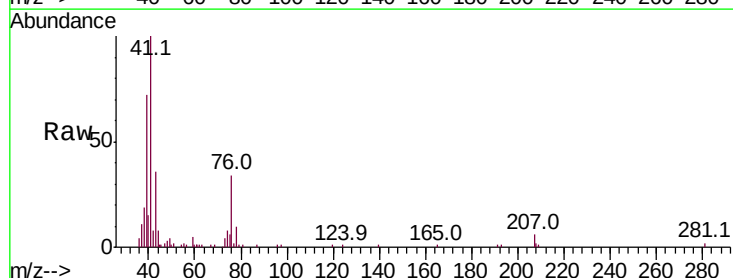
Tgt Ion: 41 Resp: 31897

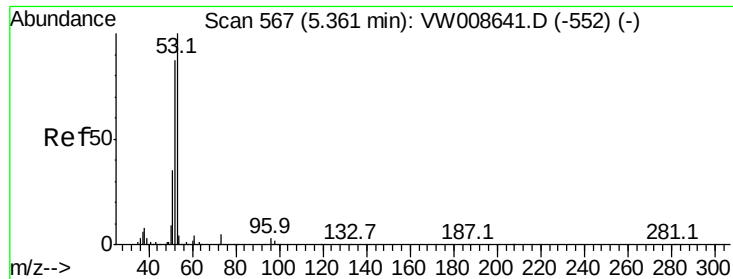
Ion Ratio Lower Upper

41 100

39 83.5 61.7 92.5

76 39.1 27.7 41.5





#15

Acrylonitrile

Concen: 23.067 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW008638.D

Acq: 13 Feb 2019 14:19

Instrument :

MSVOA\_W

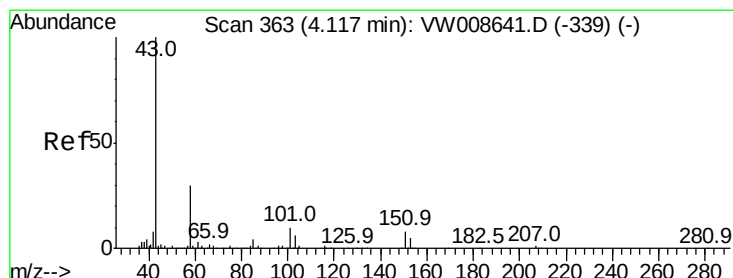
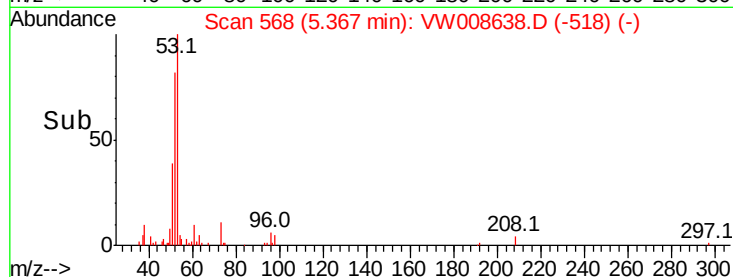
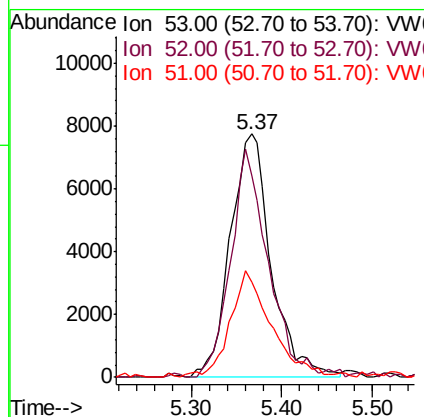
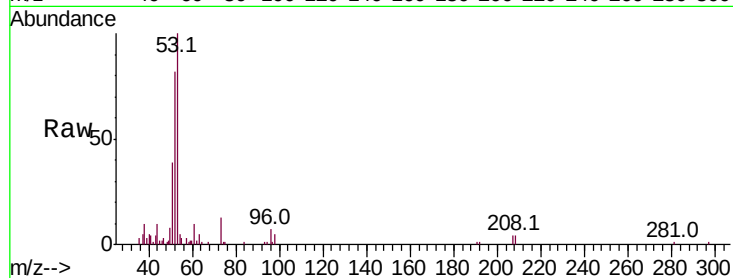
ClientSampled :

VSTDIC005

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 53    | Resp: | 24305 |
| Ion Ratio | Lower | Upper |       |
| 53        | 100   |       |       |
| 52        | 85.6  | 66.8  | 100.2 |
| 51        | 43.7  | 29.4  | 44.0  |

Manual Integrations  
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#16

Acetone

Concen: 26.159 ug/l

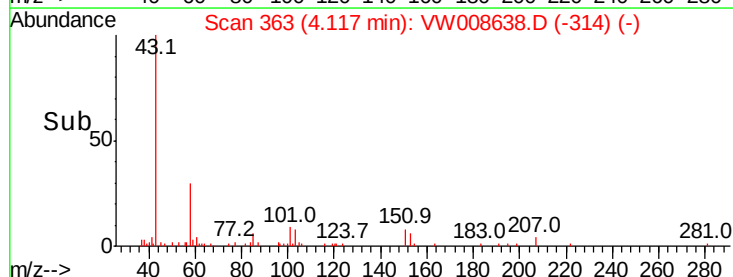
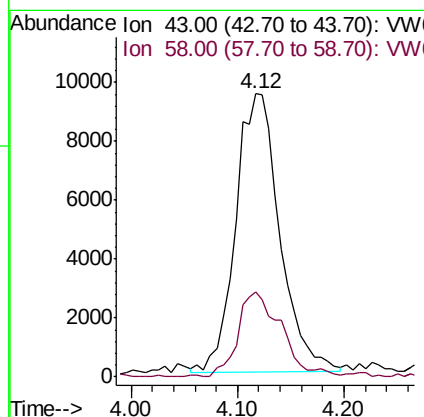
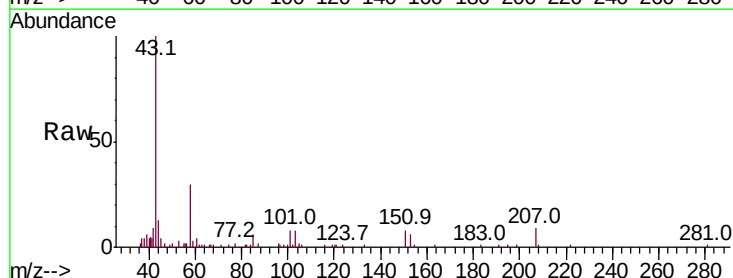
RT: 4.12 min Scan# 363

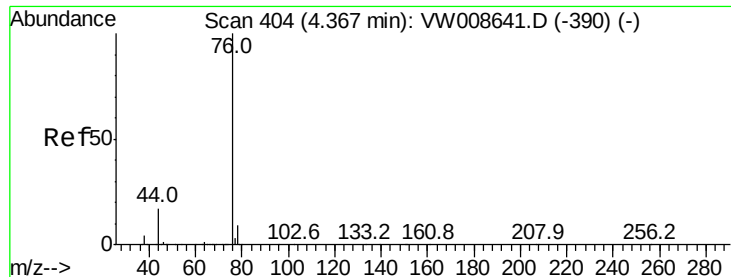
Delta R.T. 0.00 min

Lab File: VW008638.D

Acq: 13 Feb 2019 14:19

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 27387 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 58        | 30.0  | 24.1  | 36.1  |





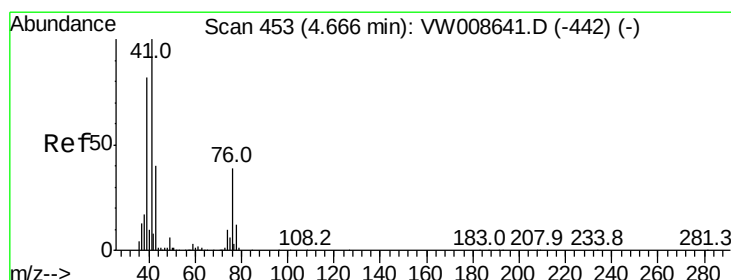
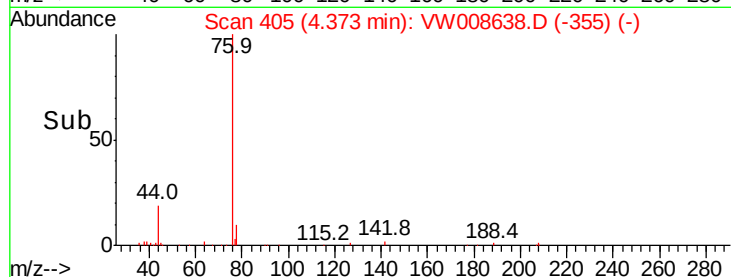
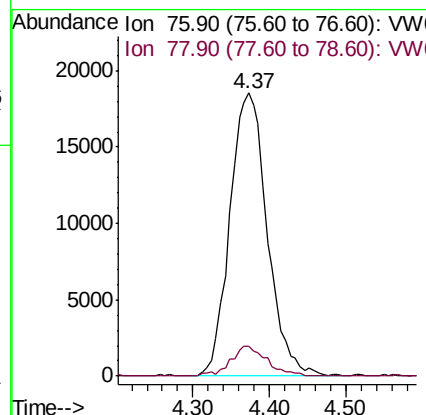
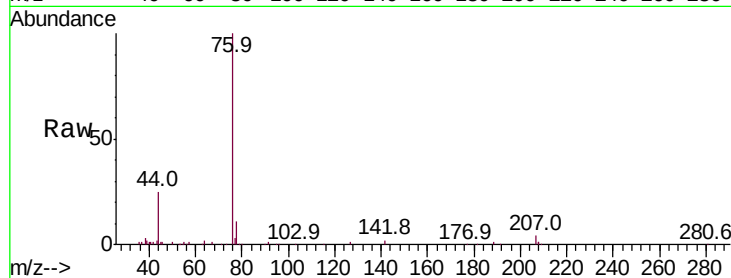
#17  
Carbon Disulfide  
Concen: 4.784 ug/l  
RT: 4.37 min Scan# 405  
Delta R.T. 0.01 min  
Lab File: VW008638.D  
Acq: 13 Feb 2019 14:19

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

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

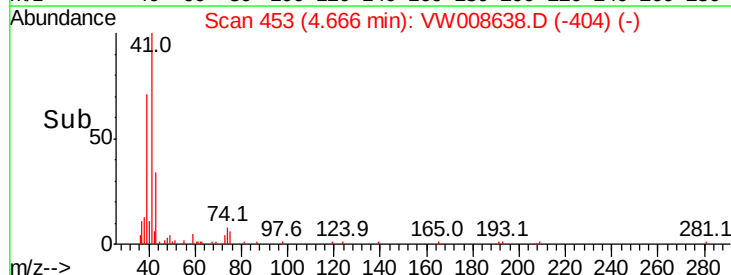
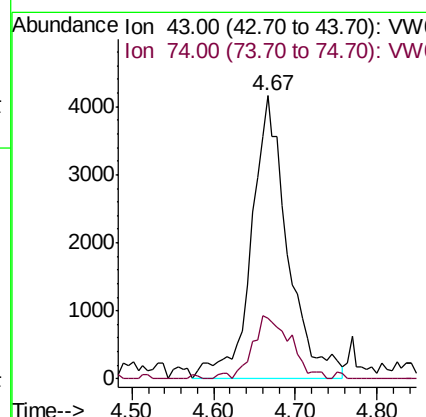
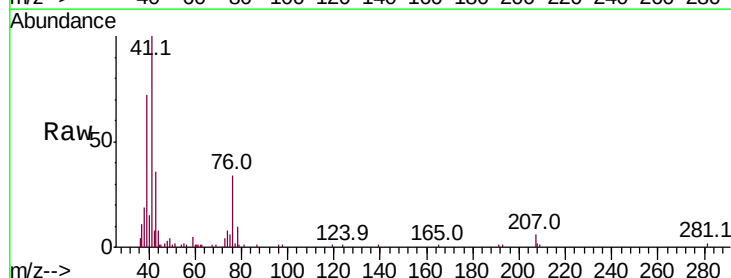
Manual Integrations  
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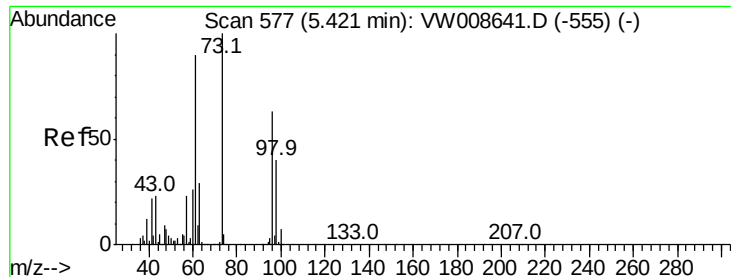
MMDadoda  
2/14/2019 2:08:44 PM



#18  
Methyl Acetate  
Concen: 5.383 ug/l  
RT: 4.67 min Scan# 453  
Delta R.T. 0.00 min  
Lab File: VW008638.D  
Acq: 13 Feb 2019 14:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 22.8  | 19.0  | 28.4  |





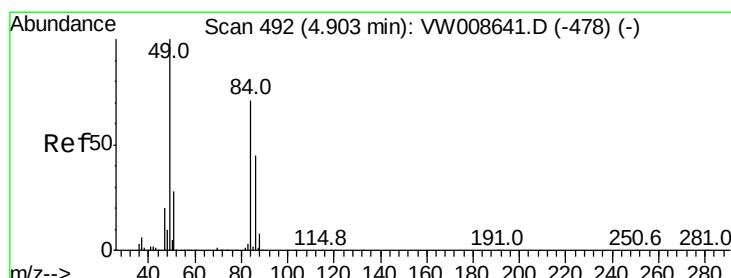
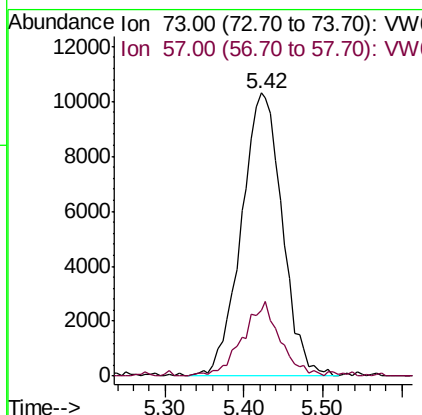
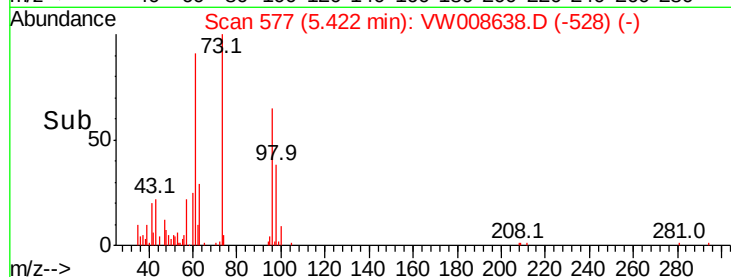
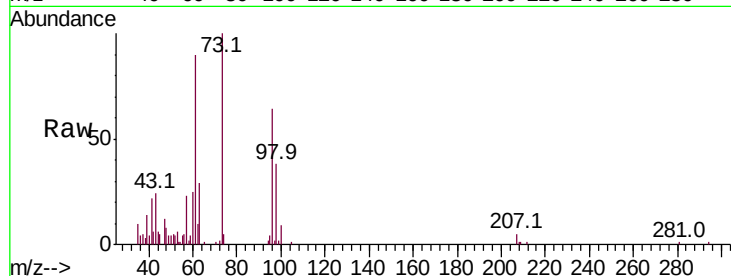
#19  
Methyl tert-butyl Ether  
Concen: 4.881 ug/l  
RT: 5.42 min Scan# 577  
Delta R.T. 0.00 min  
Lab File: VW008638.D  
Acq: 13 Feb 2019 14:19

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

Tot Ion: 73 Resp: 37145  
Ion Ratio Lower Upper  
73 100  
57 23.0 18.2 27.2

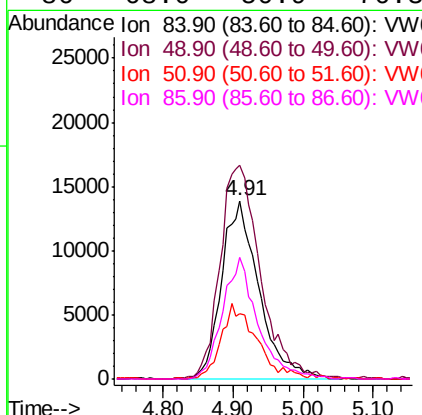
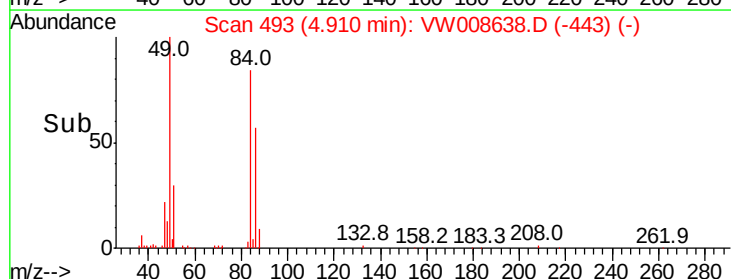
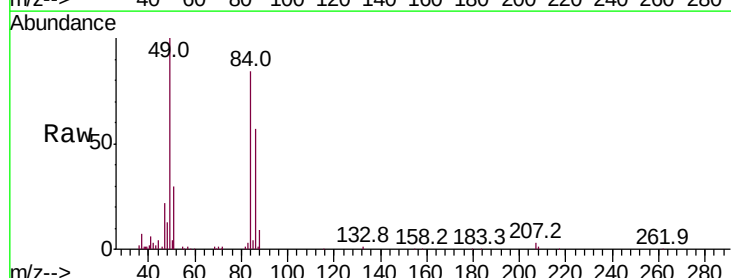
Manual Integrations  
APPROVED

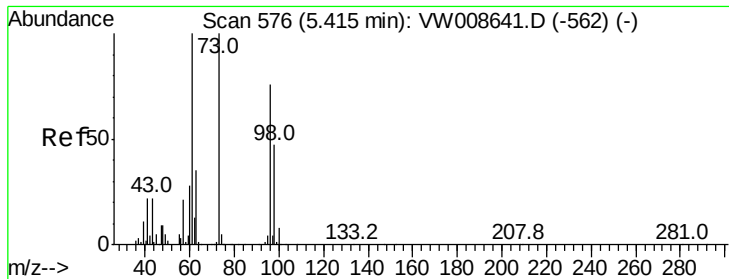
MMDadoda  
2/14/2019 2:08:44 PM



#20  
Methylene Chloride  
Concen: 8.551 ug/l  
RT: 4.91 min Scan# 493  
Delta R.T. 0.01 min  
Lab File: VW008638.D  
Acq: 13 Feb 2019 14:19

Tgt Ion: 84 Resp: 51405  
Ion Ratio Lower Upper  
84 100  
49 118.3 113.3 169.9  
51 35.8 32.1 48.1  
86 68.0 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 4.966 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW008638.D

Acq: 13 Feb 2019 14:19

Instrument :

MSVOA\_W

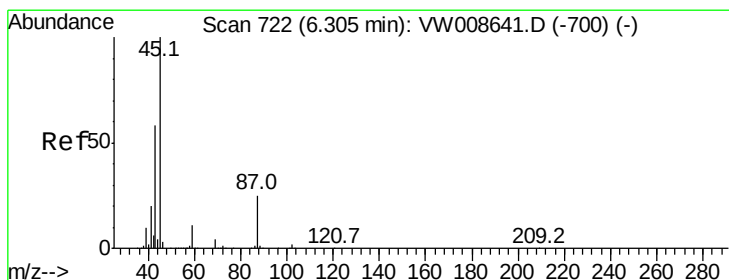
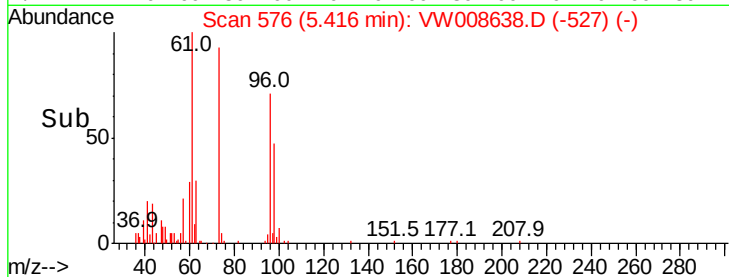
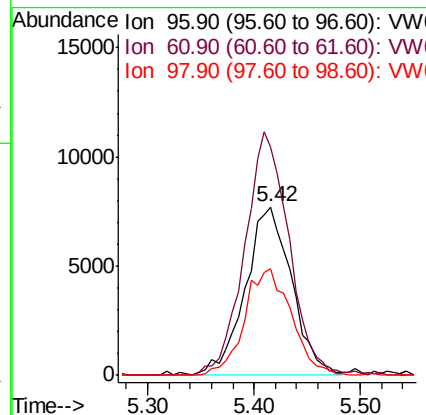
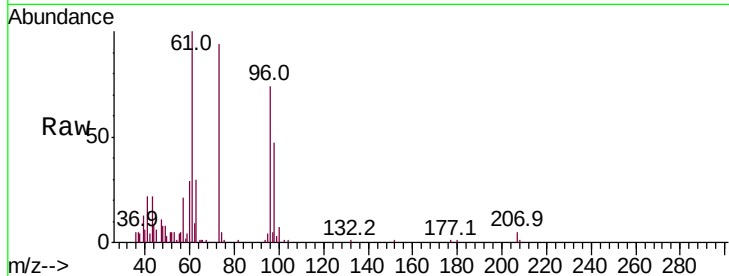
ClientSampleId :

VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 23577 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 135.4 | 105.9 | 158.9 |
| 98       | 63.2  | 49.8  | 74.6  |

Manual Integrations  
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2/14/2019 2:08:44 PM



#22

Diisopropyl ether

Concen: 4.665 ug/l

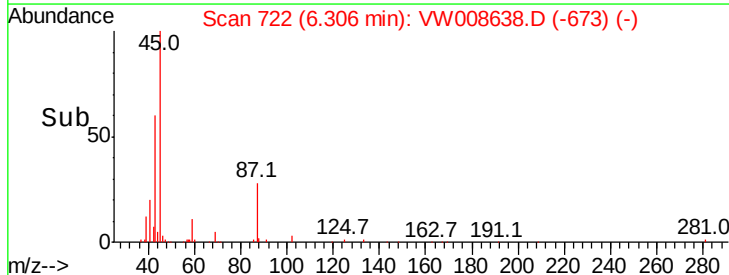
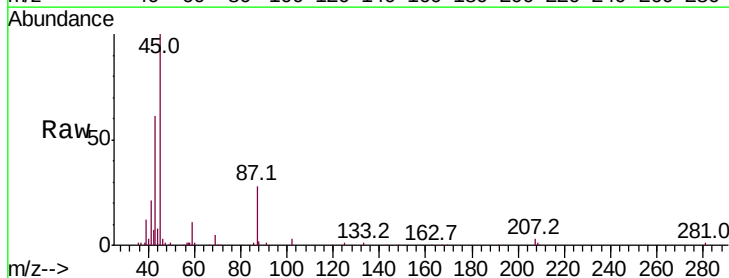
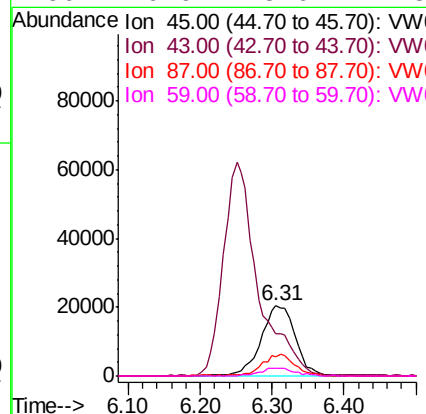
RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

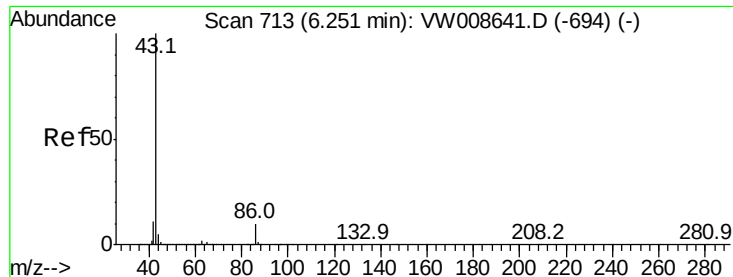
Lab File: VW008638.D

Acq: 13 Feb 2019 14:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 67632 |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 43       | 59.8  | 46.1  | 69.1  |
| 87       | 27.6  | 20.5  | 30.7  |
| 59       | 10.9  | 8.6   | 12.8  |







#23

Vinyl Acetate

Concen: 22.050 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008638.D

Acq: 13 Feb 2019 14:19

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 207469

Ion Ratio Lower Upper

43 100

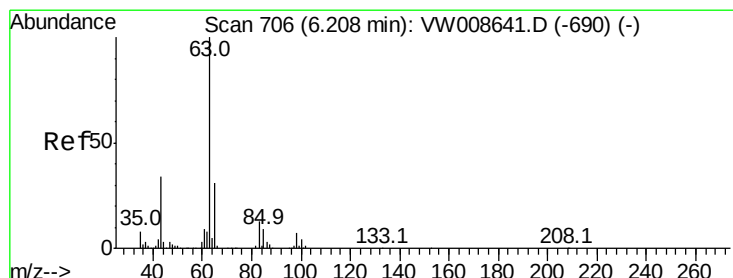
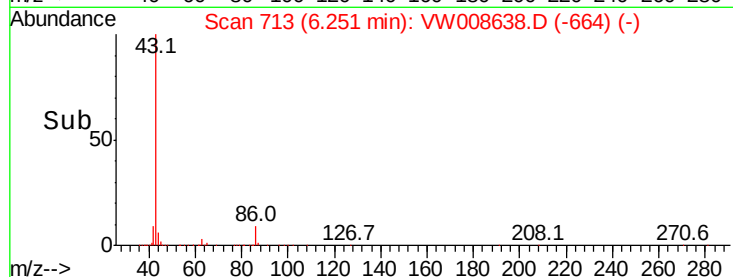
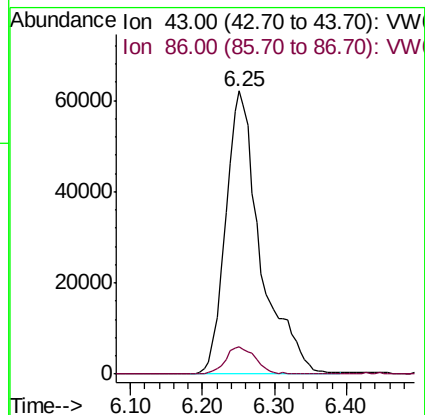
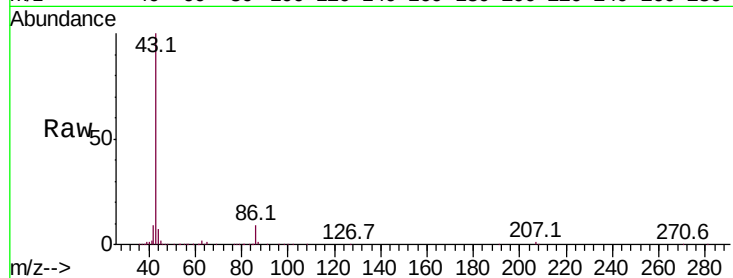
86 9.5 7.9 11.9

Manual Integrations

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2/14/2019 2:08:44 PM



#24

1,1-Dichloroethane

Concen: 4.803 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW008638.D

Acq: 13 Feb 2019 14:19

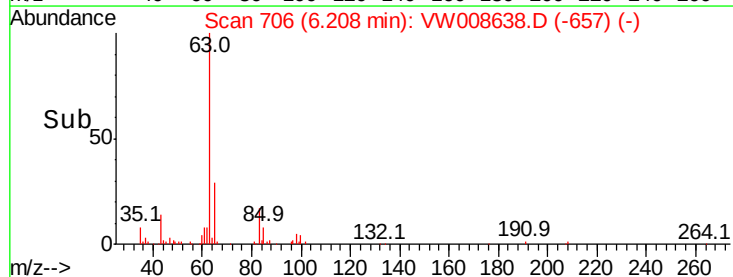
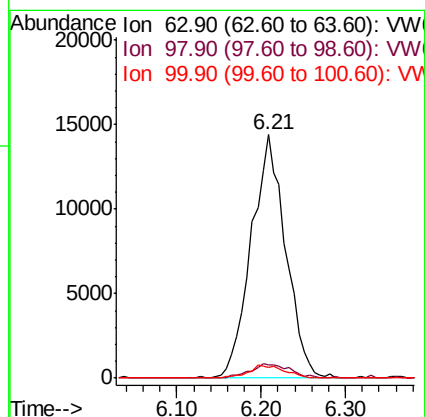
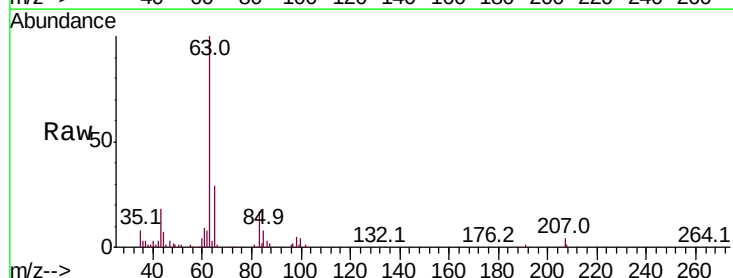
Tgt Ion: 63 Resp: 40179

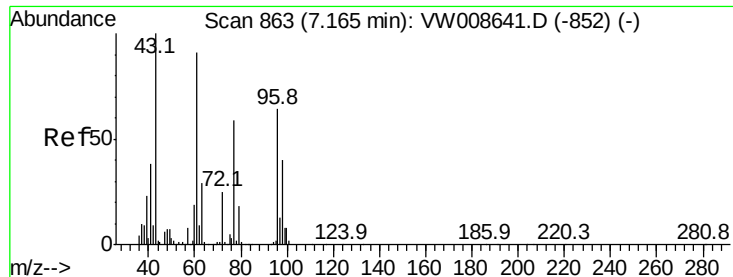
Ion Ratio Lower Upper

63 100

98 5.2 3.6 10.8

100 4.3 2.2 6.6





#25

2-Butanone

Concen: 23.293 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW008638.D

Acq: 13 Feb 2019 14:19

Instrument :

MSVOA\_W

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 34554

Ion Ratio Lower Upper

43 100

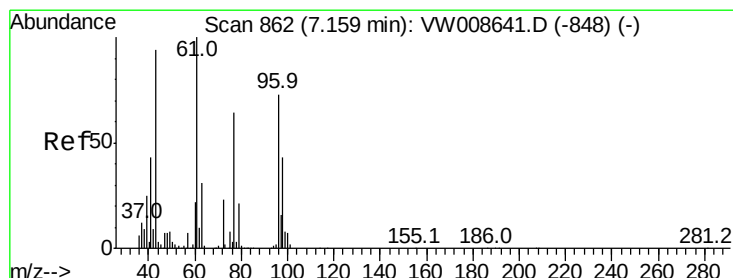
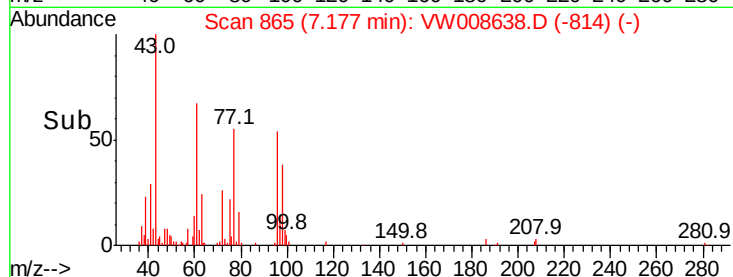
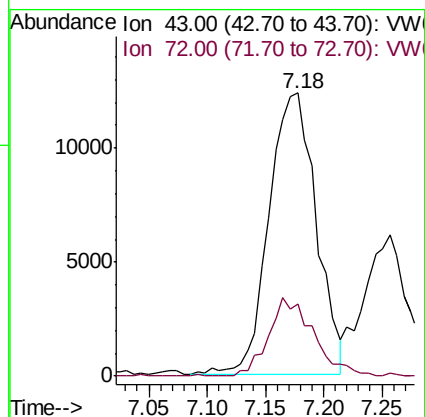
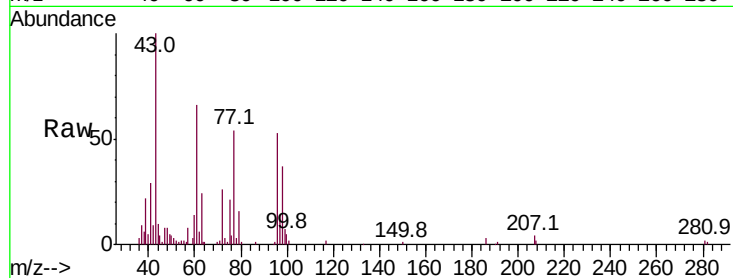
72 25.9 19.7 29.5

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#26

2,2-Dichloropropane

Concen: 5.019 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW008638.D

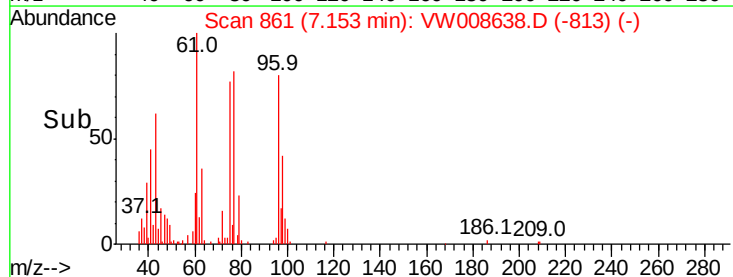
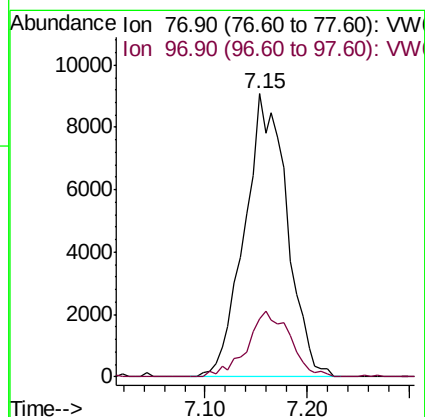
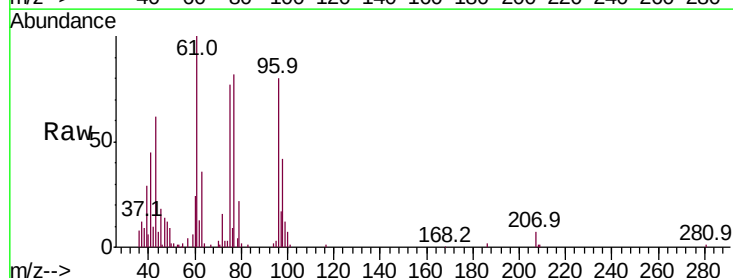
Acq: 13 Feb 2019 14:19

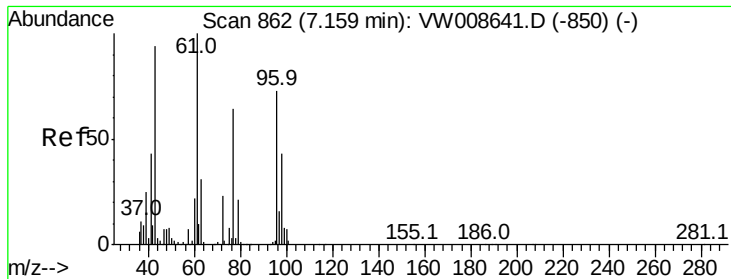
Tgt Ion: 77 Resp: 26230

Ion Ratio Lower Upper

77 100

97 23.5 11.7 35.0





#27

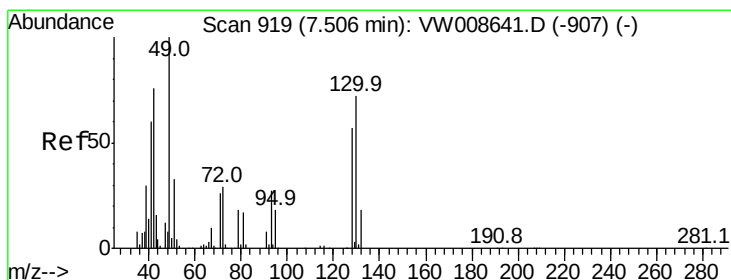
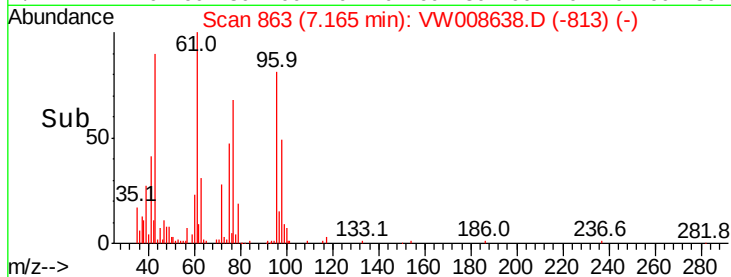
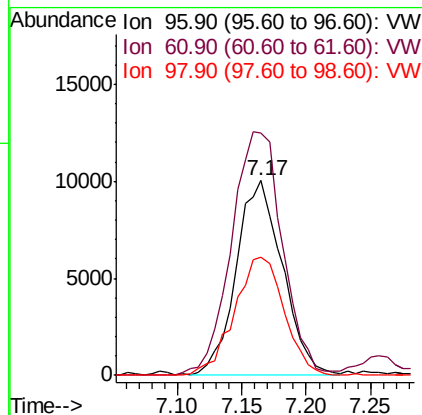
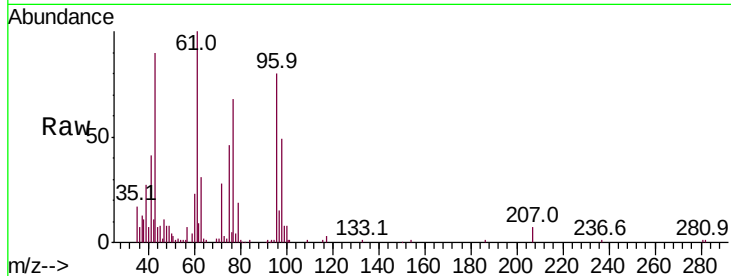
cis-1,2-Dichloroethene  
Concen: 4.886 ug/l  
RT: 7.17 min Scan# 863  
Delta R.T. 0.01 min  
Lab File: VW008638.D  
Acq: 13 Feb 2019 14:19

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 137.9 | 0.0   | 286.4 |
| 98      | 64.9  | 0.0   | 125.0 |

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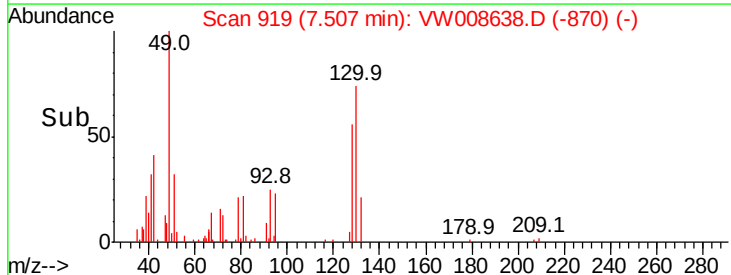
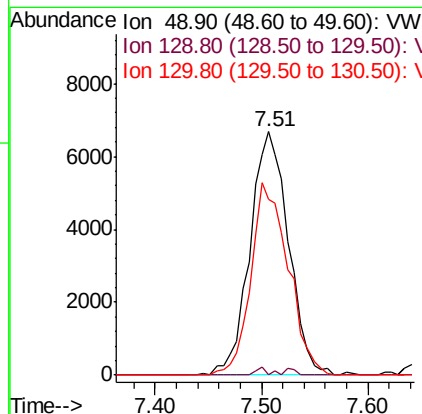
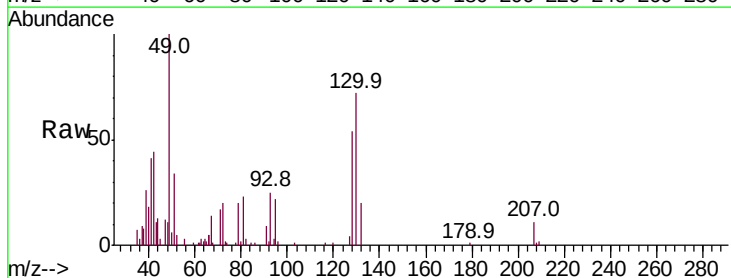
MMDadoda  
2/14/2019 2:08:44 PM

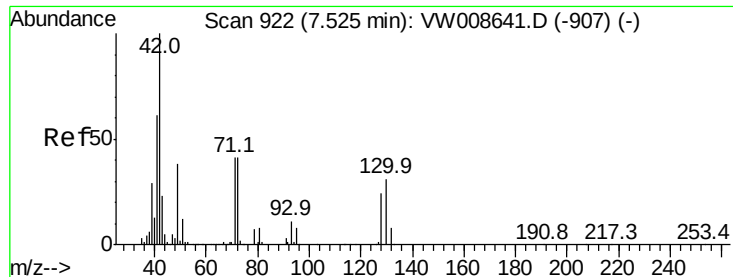


#28

Bromochloromethane  
Concen: 4.788 ug/l  
RT: 7.51 min Scan# 919  
Delta R.T. 0.00 min  
Lab File: VW008638.D  
Acq: 13 Feb 2019 14:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 1.0   | 0.0   | 3.2   |
| 130     | 76.7  | 59.4  | 89.0  |





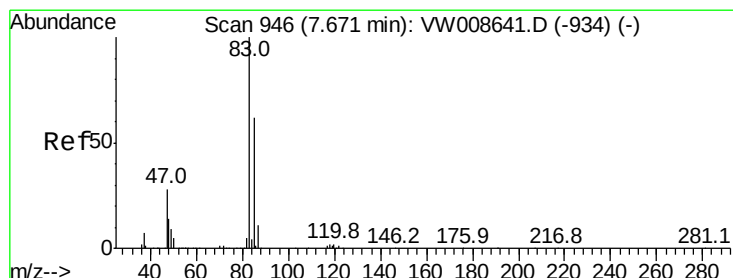
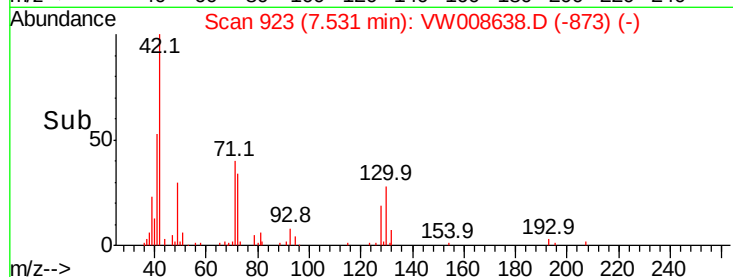
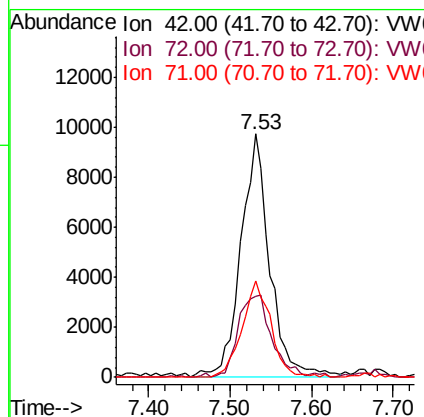
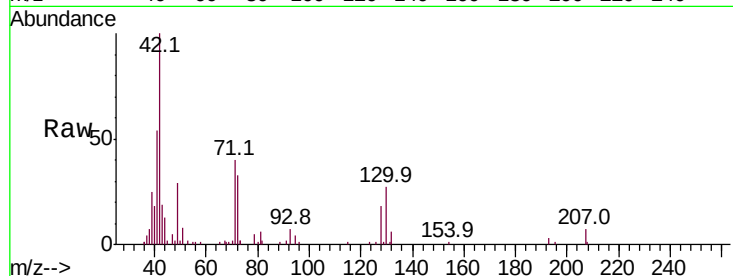
#29  
Tetrahydrofuran  
Concen: 24.401 ug/l  
RT: 7.53 min Scan# 923  
Delta R.T. 0.01 min  
Lab File: VW008638.D  
Acq: 13 Feb 2019 14:19

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 38.8  | 32.2  | 48.2  |
| 71      | 39.9  | 31.0  | 46.6  |

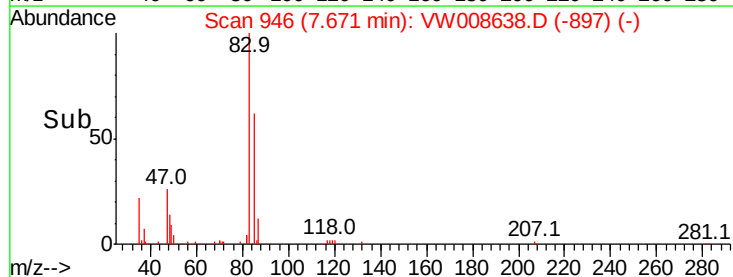
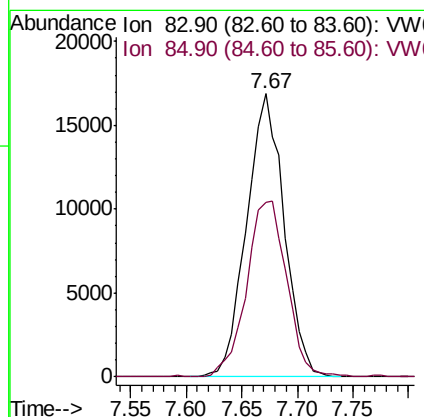
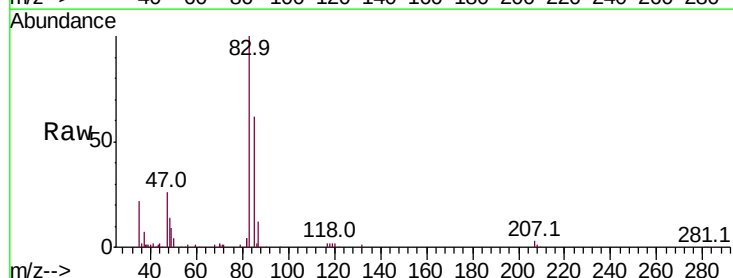
Manual Integrations  
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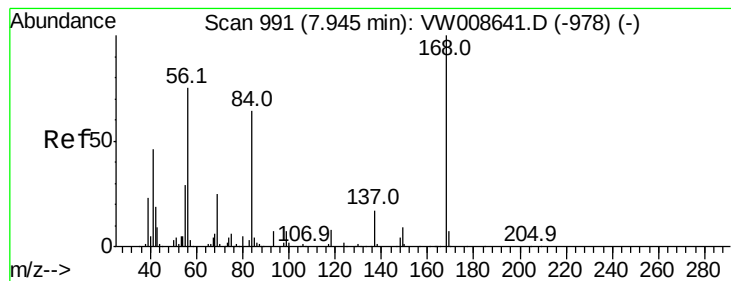
MMDadoda  
2/14/2019 2:08:44 PM



#30  
Chloroform  
Concen: 4.718 ug/l  
RT: 7.67 min Scan# 946  
Delta R.T. 0.00 min  
Lab File: VW008638.D  
Acq: 13 Feb 2019 14:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 61.5  | 49.8  | 74.8  |





#31

Cyclohexane

Concen: 5.570 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008638.D

Acq: 13 Feb 2019 14:19

Instrument :

MSVOA\_W

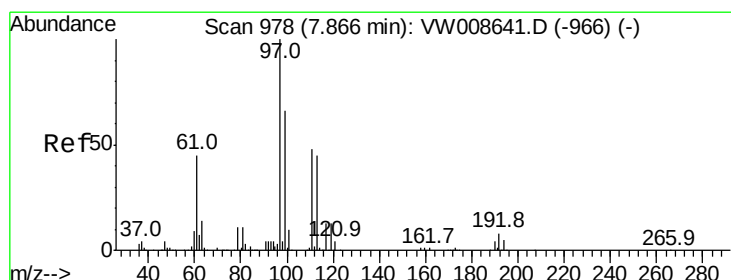
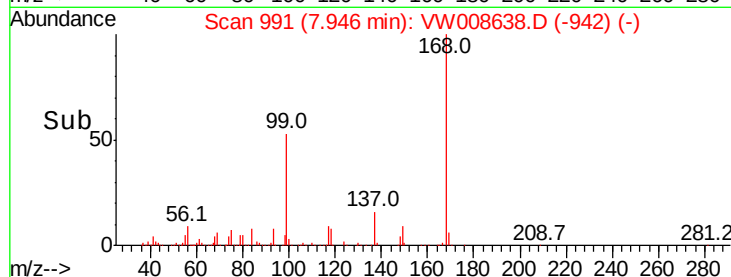
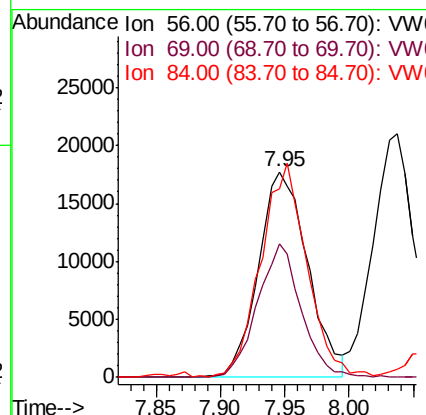
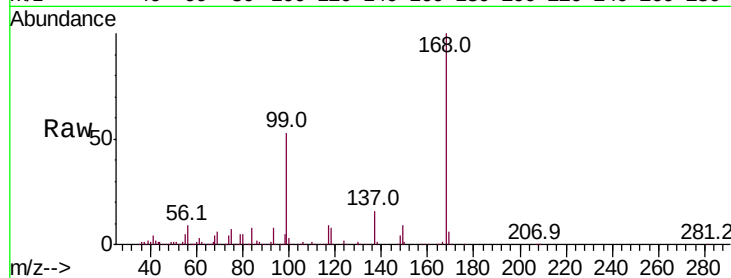
ClientSampled :

VSTDIC005

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 56    | Resp: | 47031 |
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 69        | 65.0  | 26.4  | 39.6# |
| 84        | 91.7  | 67.4  | 101.2 |

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#32

1,1,1-Trichloroethane

Concen: 4.843 ug/l

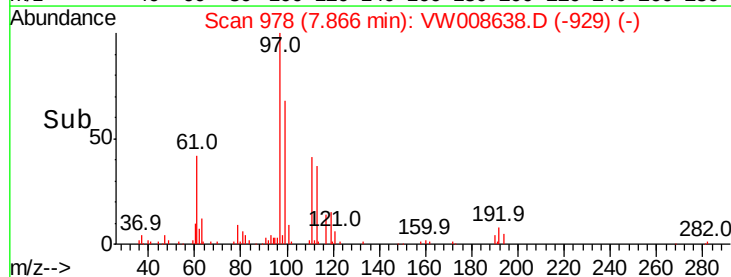
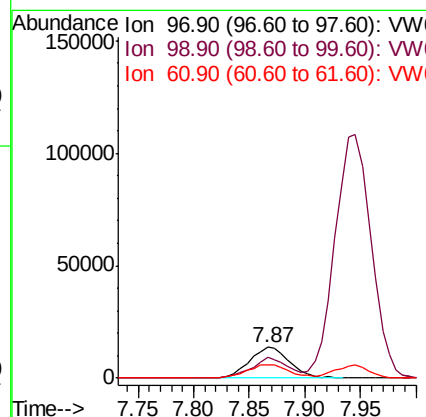
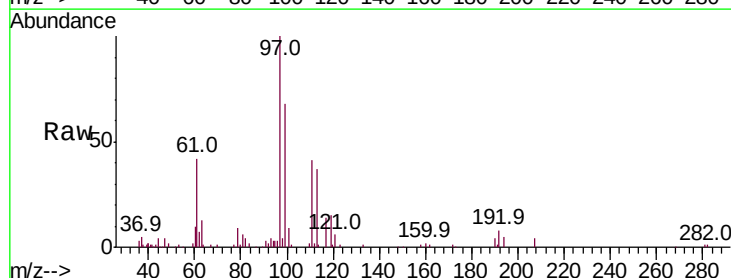
RT: 7.87 min Scan# 978

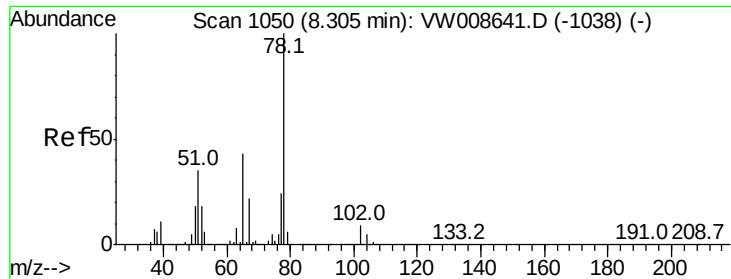
Delta R.T. 0.00 min

Lab File: VW008638.D

Acq: 13 Feb 2019 14:19

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 97    | Resp: | 34286 |
| Ion Ratio | Lower | Upper |       |
| 97        | 100   |       |       |
| 99        | 60.5  | 51.6  | 77.4  |
| 61        | 44.4  | 35.8  | 53.6  |





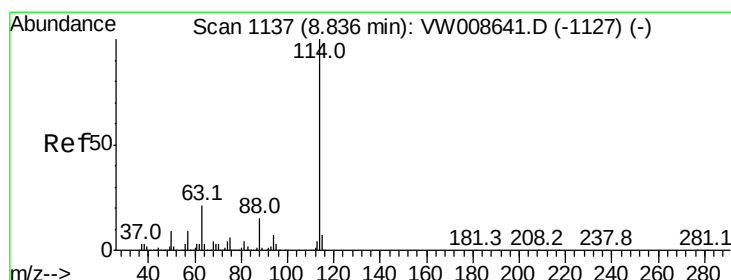
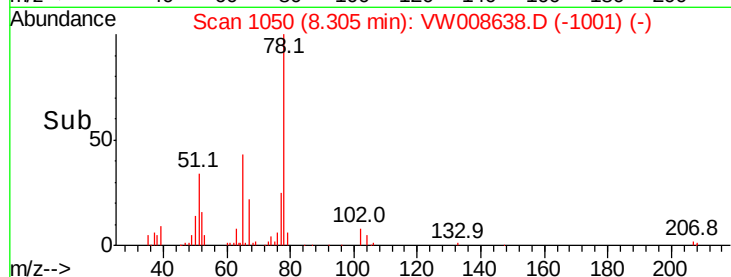
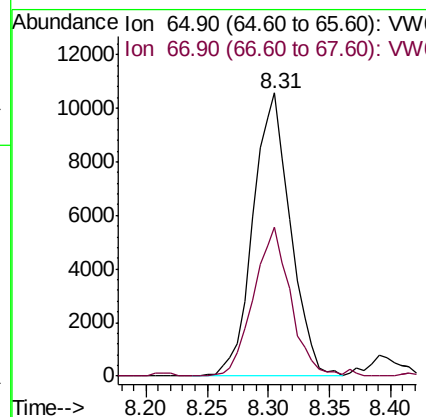
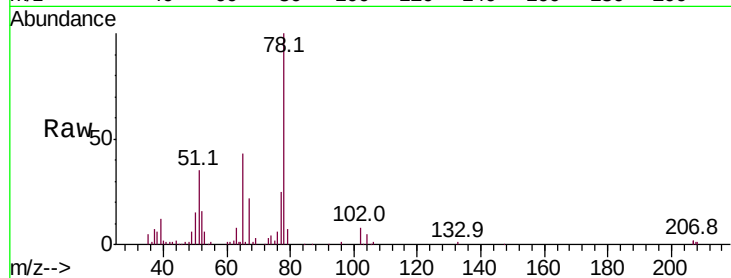
#33  
 1,2-Dichloroethane-d4  
 Concen: 4.863 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. 0.00 min  
 Lab File: VW008638.D  
 Acq: 13 Feb 2019 14:19

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 52.1  | 0.0   | 102.0 |

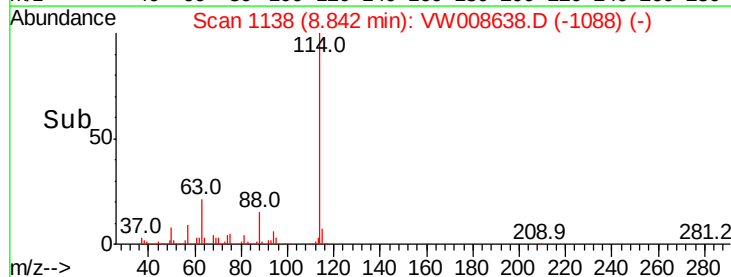
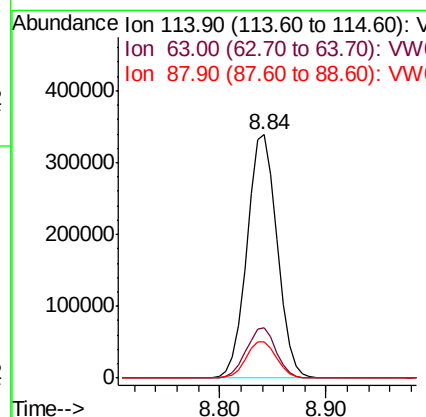
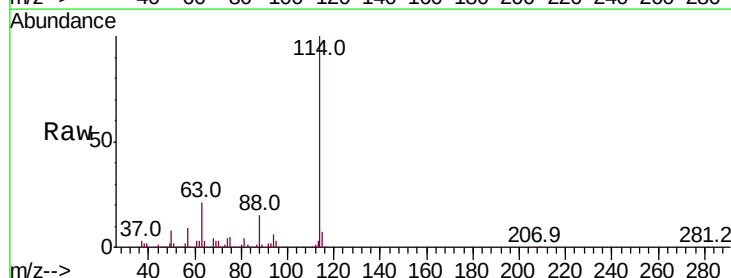
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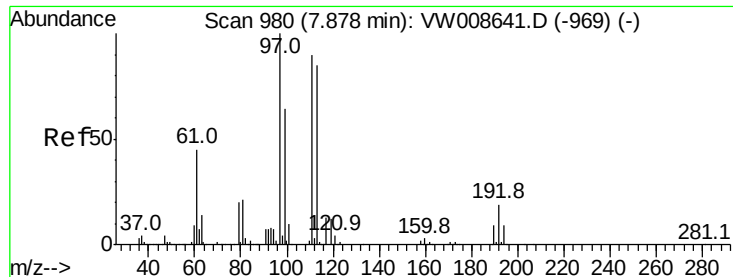
MMDadoda  
 2/14/2019 2:08:44 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.01 min  
 Lab File: VW008638.D  
 Acq: 13 Feb 2019 14:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 20.9  | 0.0   | 41.2  |
| 88      | 15.1  | 0.0   | 29.6  |





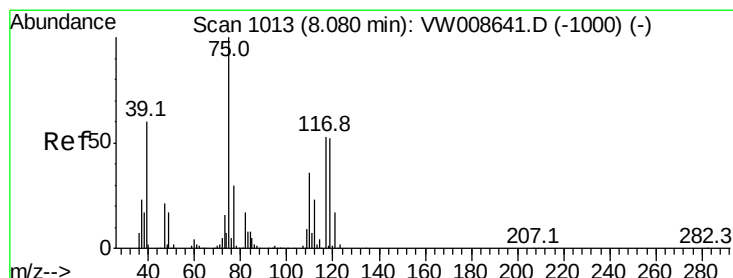
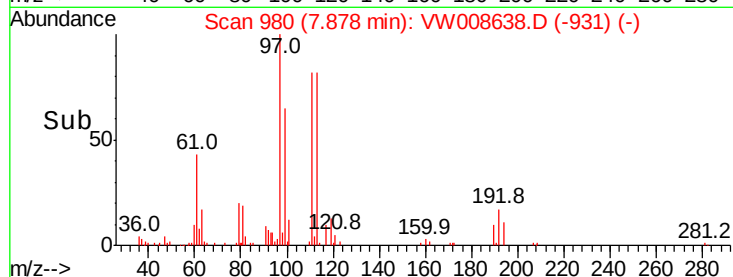
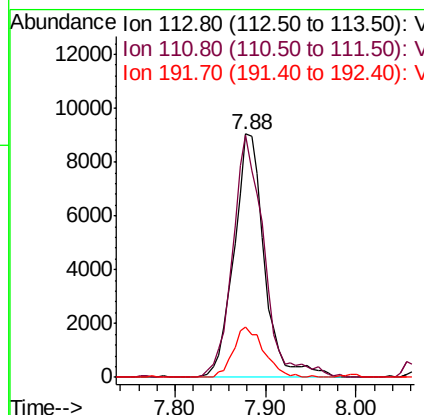
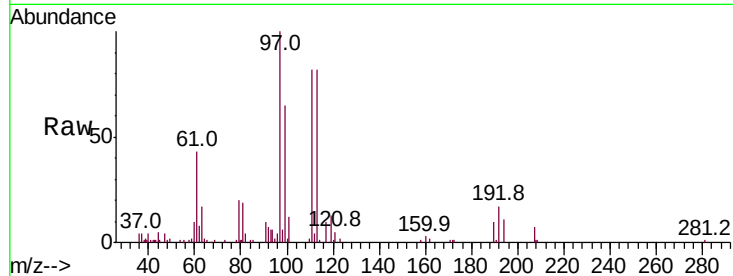
#35  
 Dibromofluoromethane  
 Concen: 5.013 ug/l  
 RT: 7.88 min Scan# 980  
 Delta R.T. 0.00 min  
 Lab File: VW008638.D  
 Acq: 13 Feb 2019 14:19

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.0 | 84.0  | 126.0 |
| 192     | 21.0  | 17.4  | 26.2  |

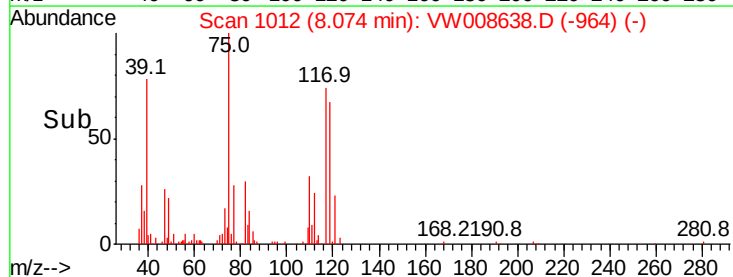
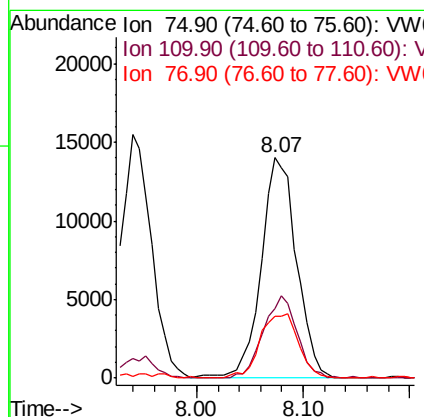
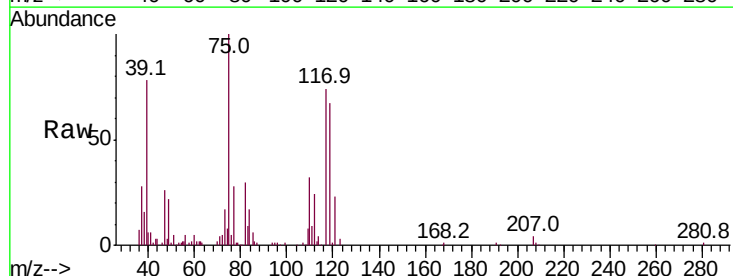
Manual Integrations  
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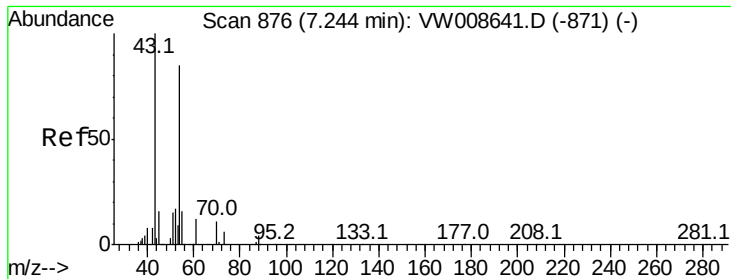
MMDadoda  
 2/14/2019 2:08:44 PM



#36  
 1,1-Dichloropropene  
 Concen: 4.821 ug/l  
 RT: 8.07 min Scan# 1012  
 Delta R.T. -0.01 min  
 Lab File: VW008638.D  
 Acq: 13 Feb 2019 14:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 35.7  | 17.8  | 53.3  |
| 77      | 31.7  | 24.7  | 37.1  |





#37

Ethyl Acetate

Concen: 4.661 ug/l

RT: 7.26 min Scan# 878

Delta R.T. 0.01 min

Lab File: VW008638.D

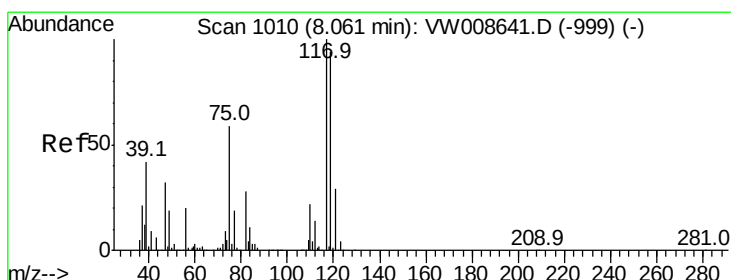
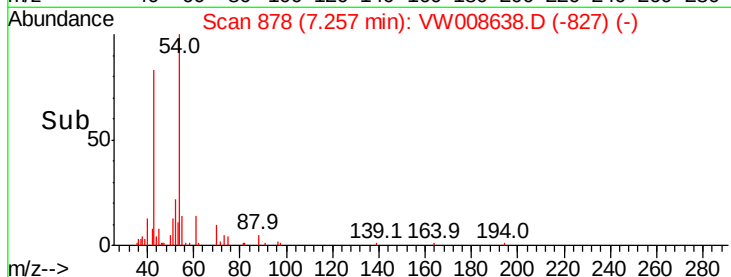
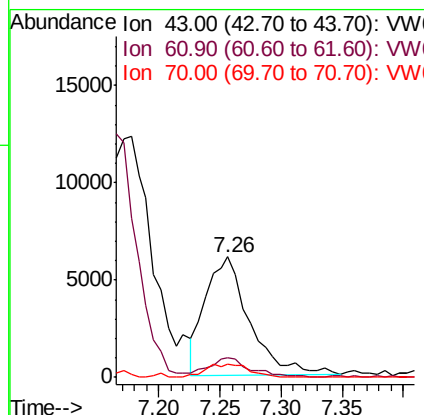
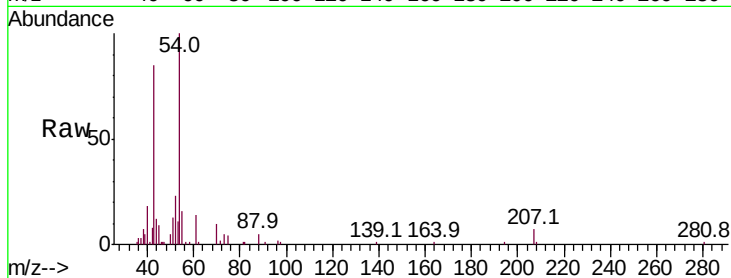
Acq: 13 Feb 2019 14:19

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 16.6  | 10.5  | 15.7# |
| 70      | 11.1  | 8.1   | 12.1  |

Manual Integrations  
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2/14/2019 2:08:44 PM



#38

Carbon Tetrachloride

Concen: 4.588 ug/l

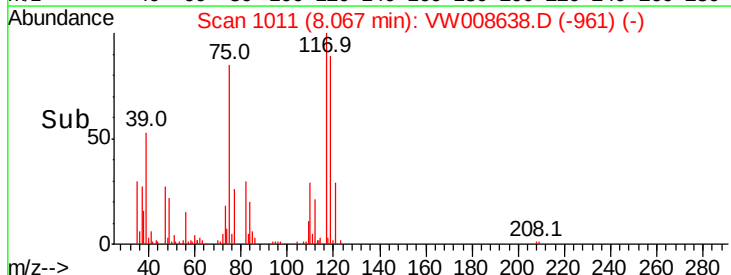
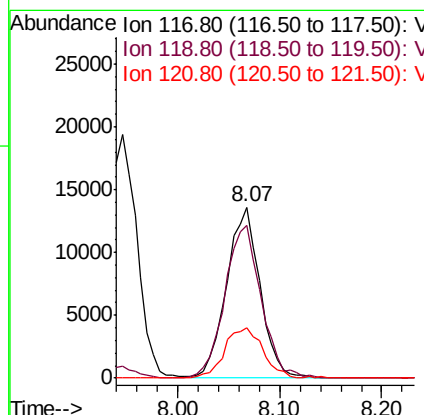
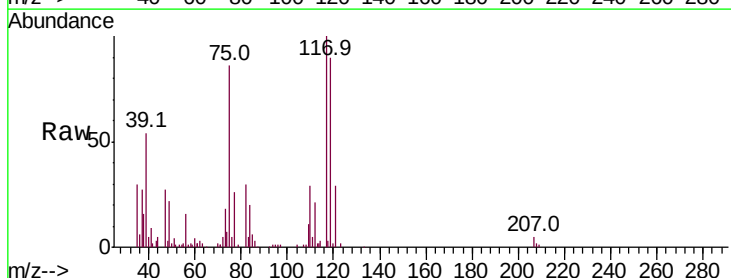
RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

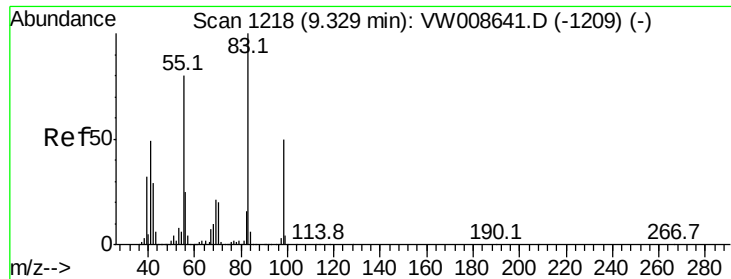
Lab File: VW008638.D

Acq: 13 Feb 2019 14:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 89.6  | 75.1  | 112.7 |
| 121     | 29.3  | 23.5  | 35.3  |







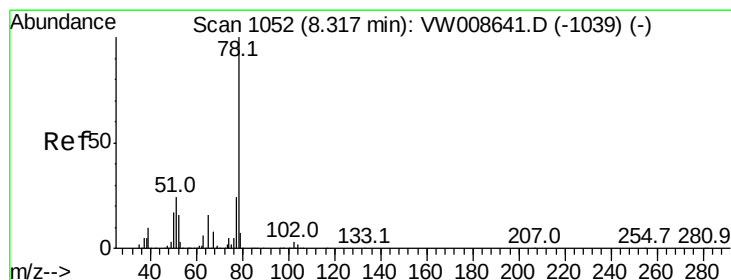
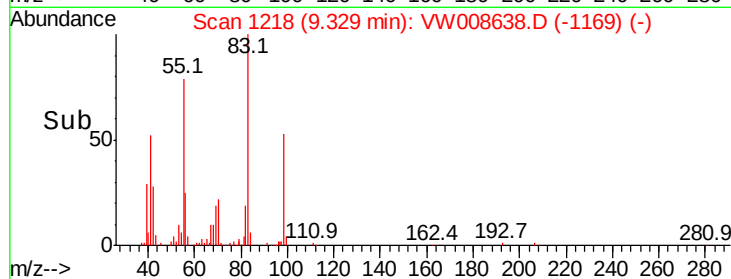
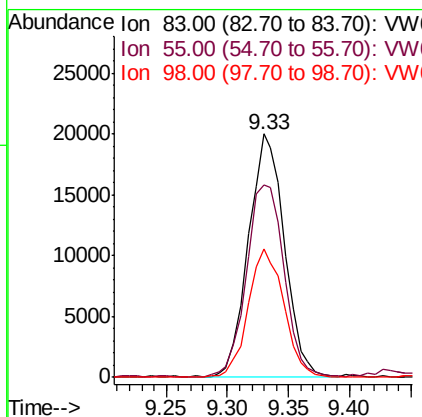
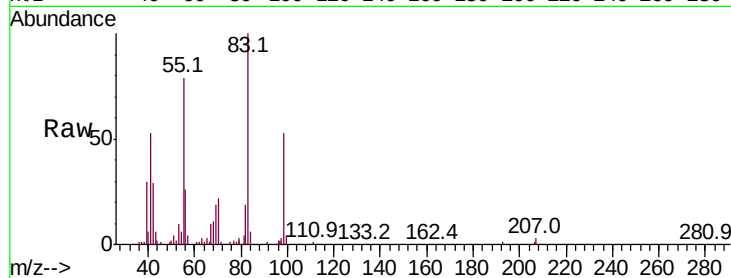
#39  
Methvlcvclohexane  
Concen: 4.803 ug/l  
RT: 9.33 min Scan# 1218  
Delta R.T. 0.00 min  
Lab File: VW008638.D  
Acq: 13 Feb 2019 14:19

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 79.2  | 63.9  | 95.9  |
| 98      | 52.8  | 40.2  | 60.2  |

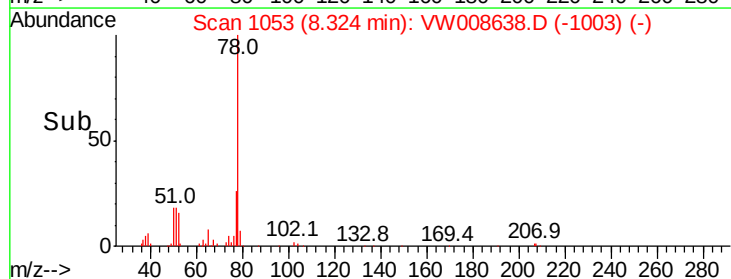
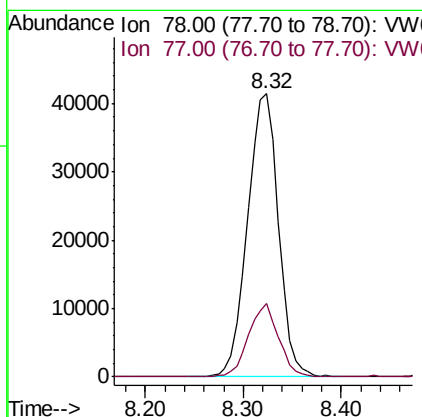
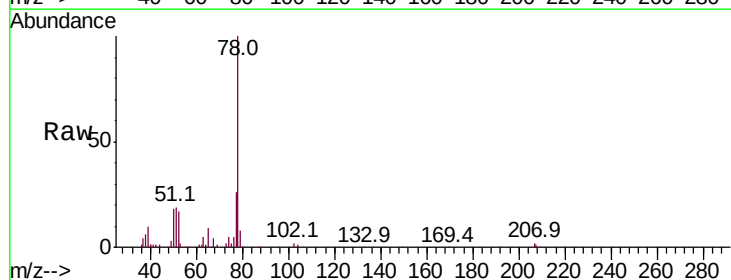
Manual Integrations  
APPROVED

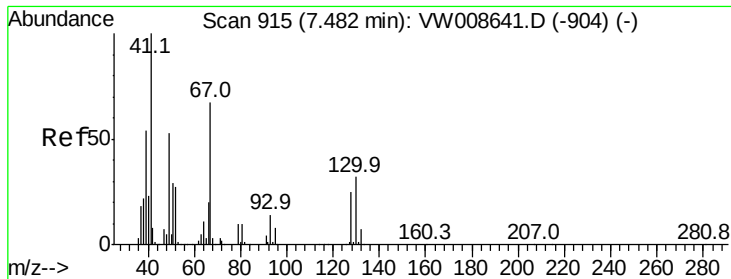
MMDadoda  
2/14/2019 2:08:44 PM



#40  
Benzene  
Concen: 4.923 ug/l  
RT: 8.32 min Scan# 1053  
Delta R.T. 0.01 min  
Lab File: VW008638.D  
Acq: 13 Feb 2019 14:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 25.9  | 19.5  | 29.3  |





#41

Methacrylonitrile

Concen: 3.774 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW008638.D

Acq: 13 Feb 2019 14:19

Instrument :

MSVOA\_W

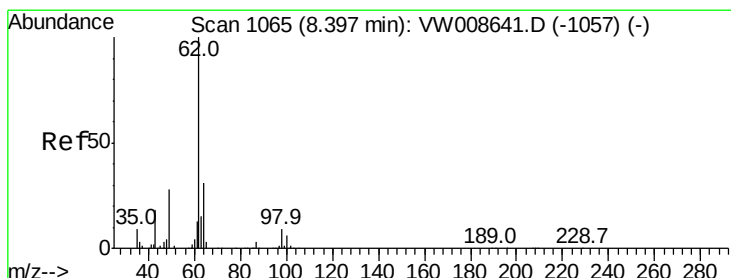
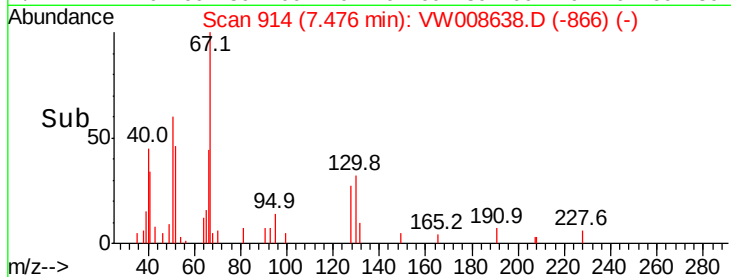
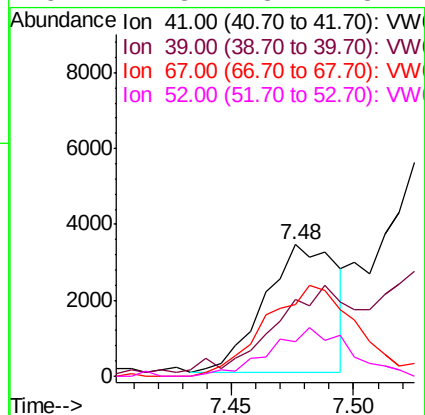
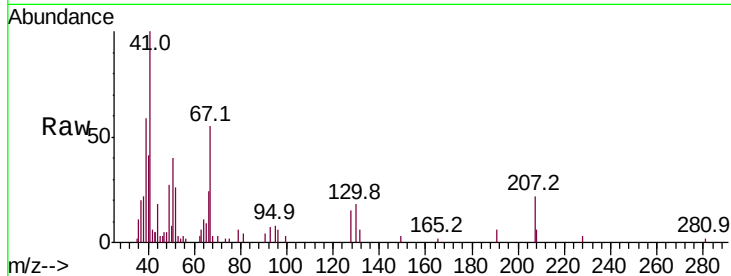
ClientSampleId :

VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 76.5  | 39.7  | 59.5# |
| 67      | 91.4  | 52.5  | 78.7# |
| 52      | 41.3  | 23.1  | 34.7# |

Manual Integrations  
APPROVED

MMDadoda  
2/14/2019 2:08:44 PM



#42

1,2-Dichloroethane

Concen: 4.784 ug/l

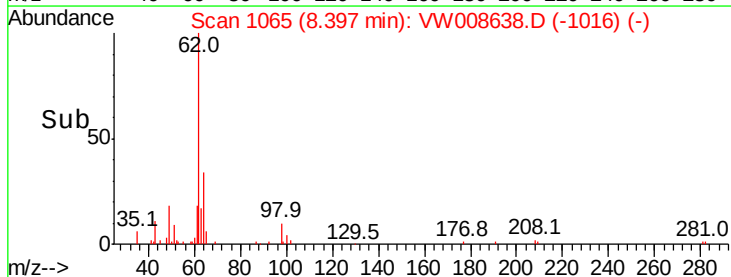
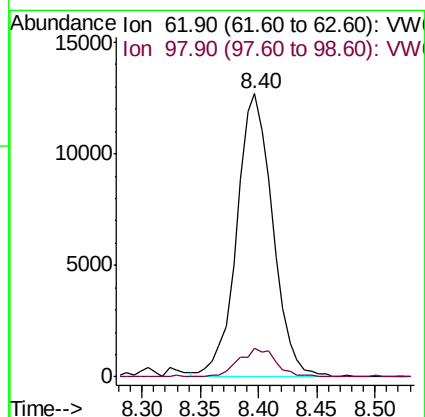
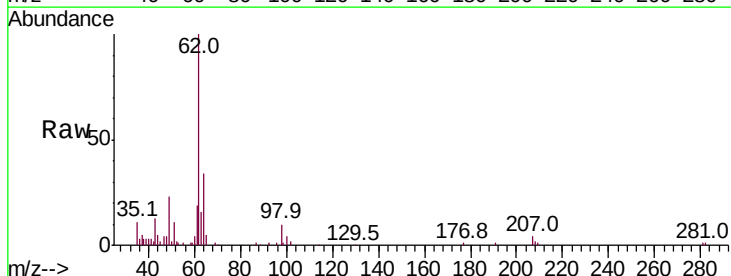
RT: 8.40 min Scan# 1065

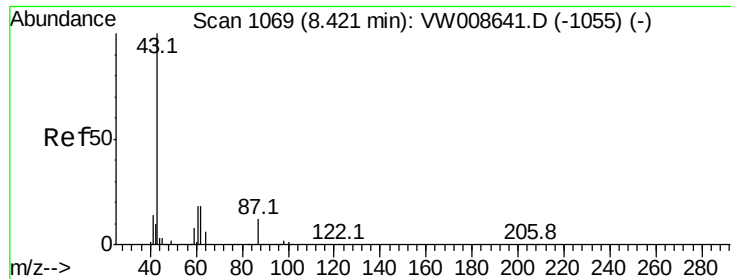
Delta R.T. 0.00 min

Lab File: VW008638.D

Acq: 13 Feb 2019 14:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 10.3  | 0.0   | 18.2  |





#43

Isopropyl Acetate

Concen: 4.600 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW008638.D

Acq: 13 Feb 2019 14:19

Instrument :

MSVOA\_W

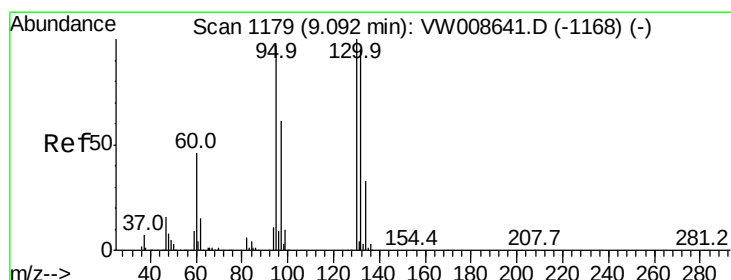
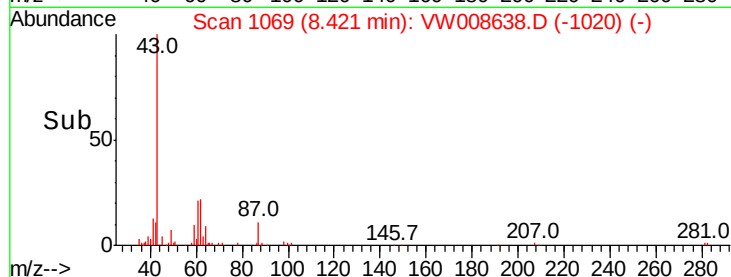
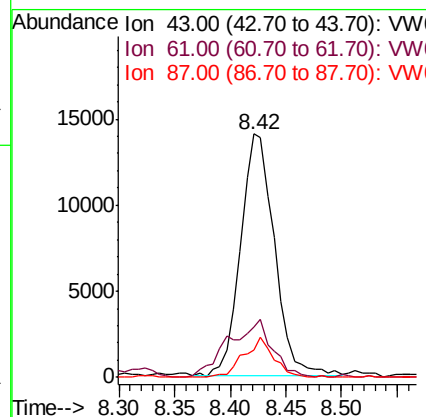
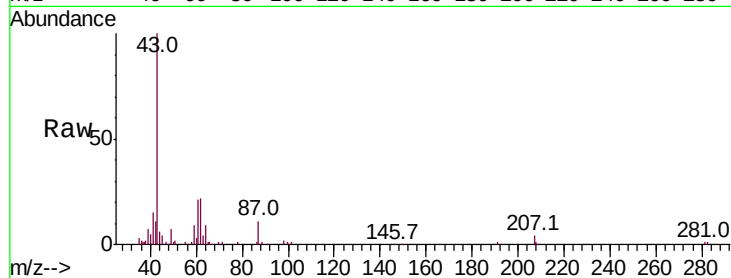
ClientSampleId :

VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 29958 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 30.8  | 21.4  | 32.2  |
| 87       | 14.1  | 9.8   | 14.8  |

Manual Integrations  
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2/14/2019 2:08:44 PM



#44

Trichloroethene

Concen: 4.997 ug/l

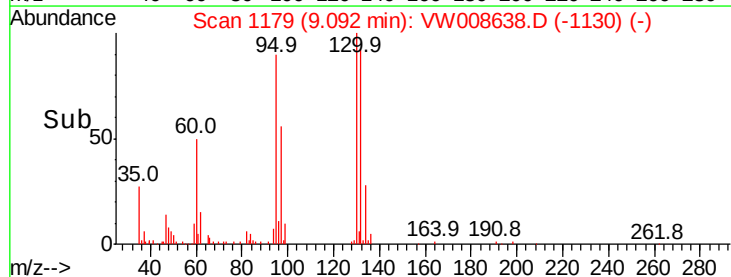
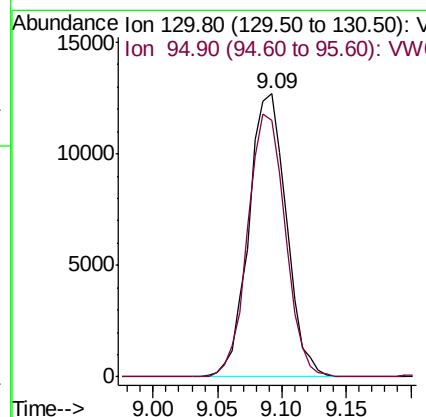
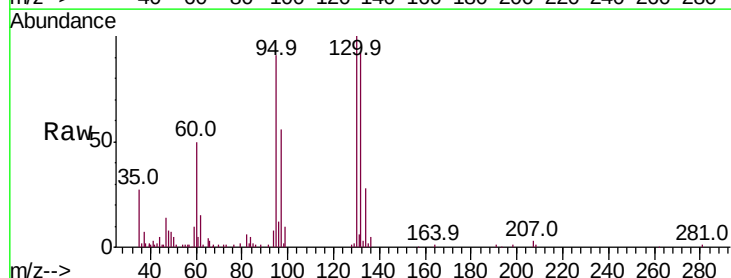
RT: 9.09 min Scan# 1179

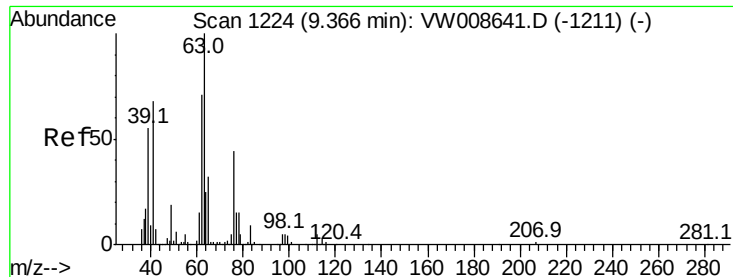
Delta R.T. 0.00 min

Lab File: VW008638.D

Acq: 13 Feb 2019 14:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 25620 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 90.6  | 0.0   | 193.4 |





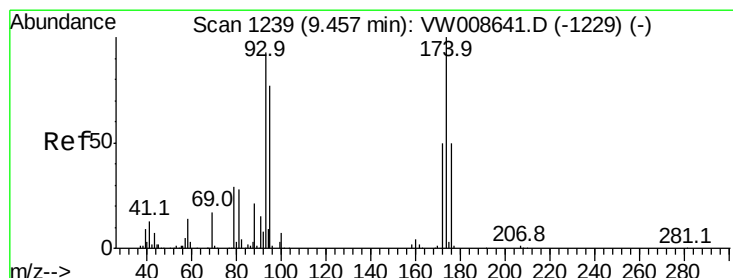
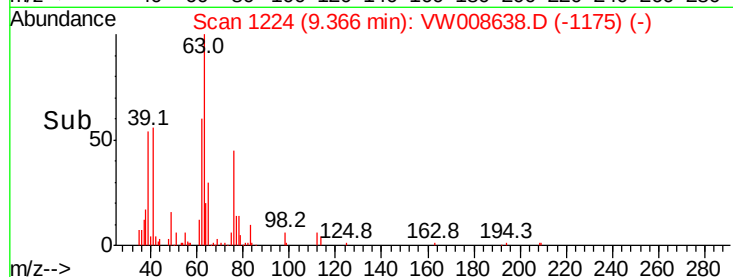
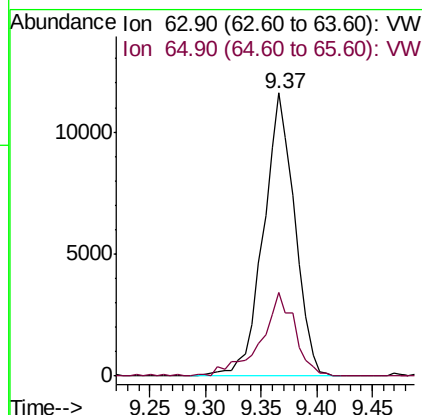
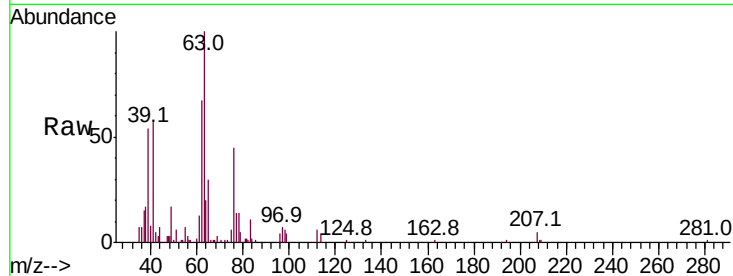
#45  
 1,2-Dichloropropane  
 Concen: 4.956 ug/l  
 RT: 9.37 min Scan# 1224  
 Delta R.T. 0.00 min  
 Lab File: VW008638.D  
 Acq: 13 Feb 2019 14:19

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 29.6  | 25.4  | 38.0  |

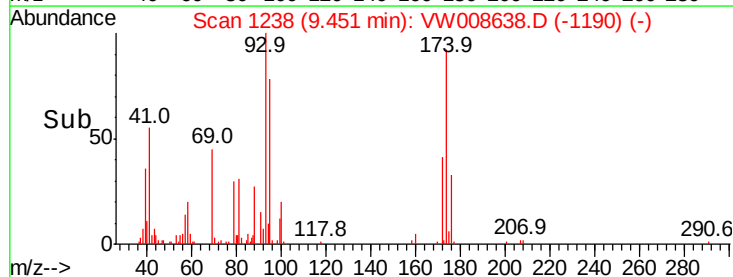
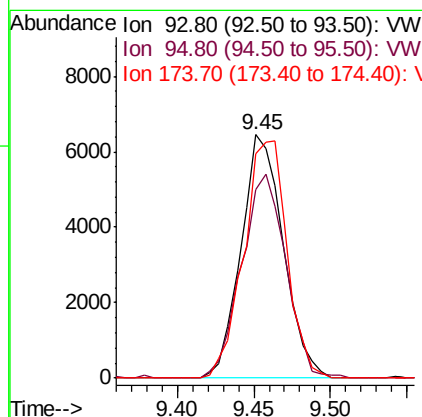
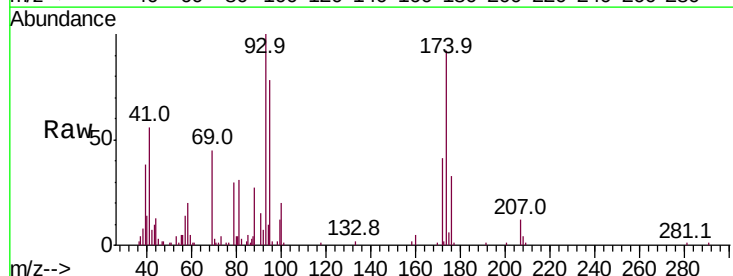
Manual Integrations  
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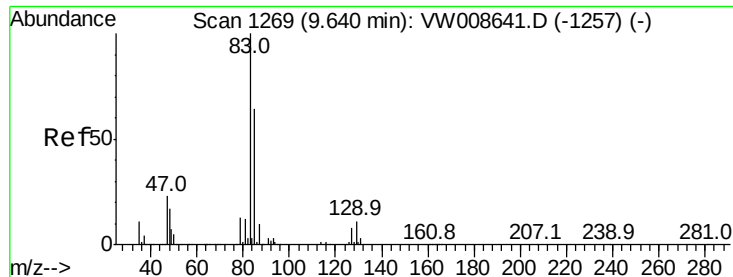
MMDadoda  
 2/14/2019 2:08:44 PM



#46  
 Dibromomethane  
 Concen: 4.907 ug/l  
 RT: 9.45 min Scan# 1238  
 Delta R.T. -0.01 min  
 Lab File: VW008638.D  
 Acq: 13 Feb 2019 14:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 87.8  | 65.8  | 98.8  |
| 174     | 100.1 | 82.5  | 123.7 |





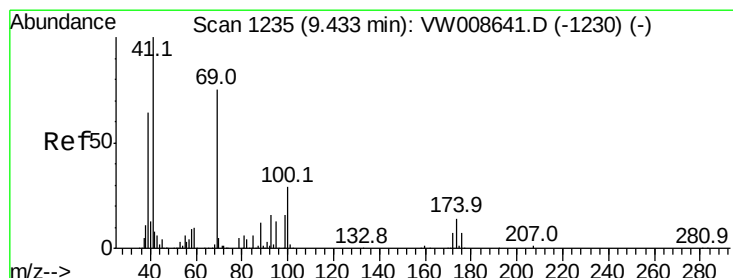
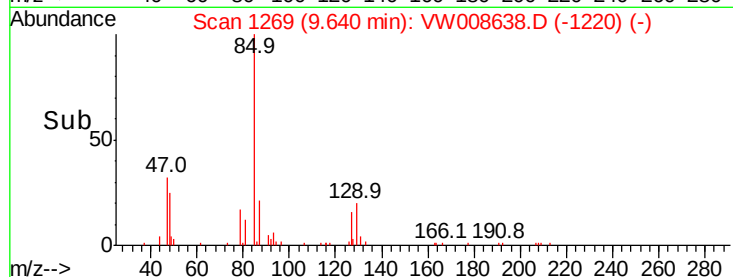
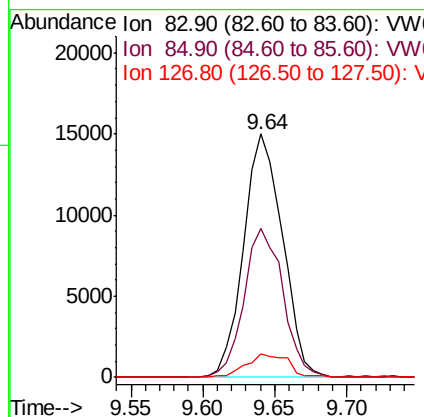
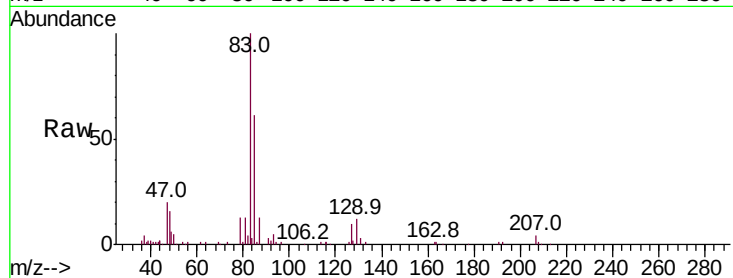
#47  
Bromodichloromethane  
Concen: 4.624 ug/l  
RT: 9.64 min Scan# 1269  
Delta R.T. 0.00 min  
Lab File: VW008638.D  
Acq: 13 Feb 2019 14:19

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 83      | 100   | 28013 |       |       |
| 85      | 61.0  |       | 51.2  | 76.8  |
| 127     | 9.7   |       | 6.4   | 9.6#  |

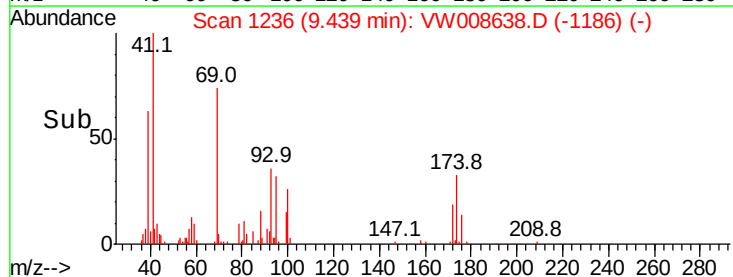
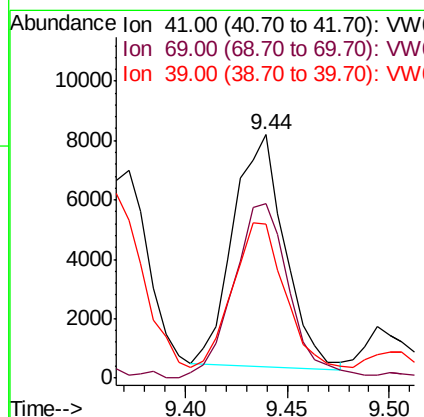
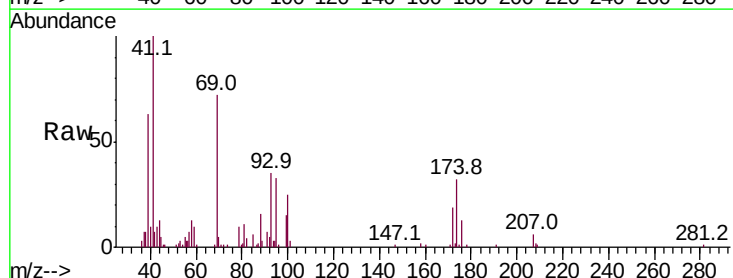
Manual Integrations  
APPROVED

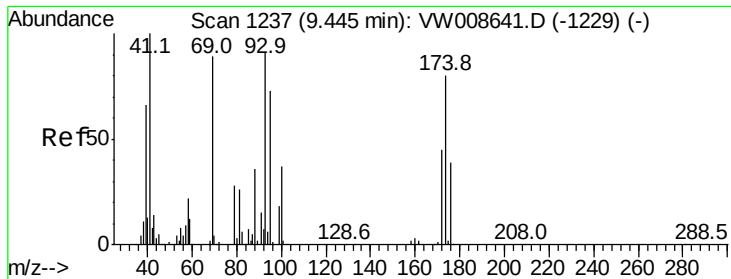
MMDadoda  
2/14/2019 2:08:44 PM



#48  
Methyl methacrylate  
Concen: 4.541 ug/l  
RT: 9.44 min Scan# 1236  
Delta R.T. 0.01 min  
Lab File: VW008638.D  
Acq: 13 Feb 2019 14:19

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 41      | 100   | 13705 |       |       |
| 69      | 81.8  |       | 64.1  | 96.1  |
| 39      | 63.4  |       | 52.3  | 78.5  |





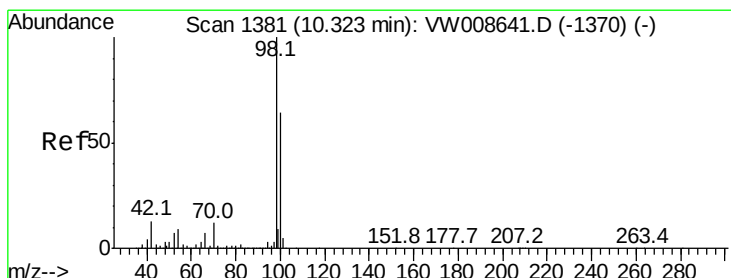
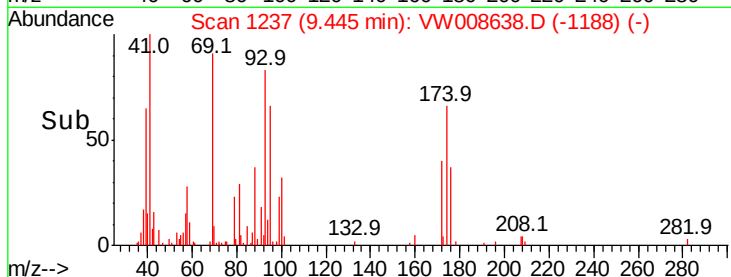
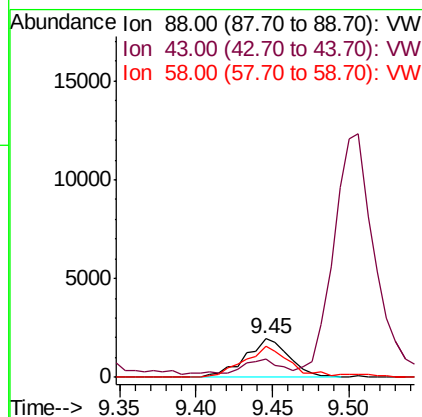
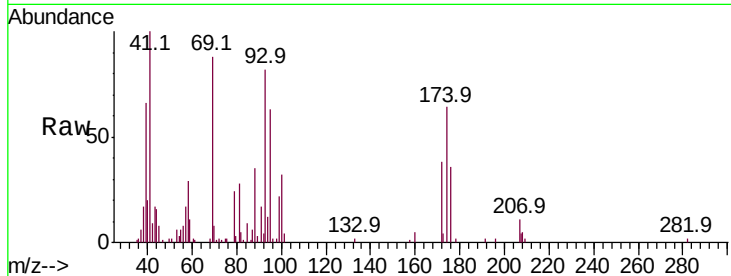
#49  
1,4-Dioxane  
Concen: 97.019 ug/l  
RT: 9.45 min Scan# 1237  
Delta R.T. 0.00 min  
Lab File: VW008638.D  
Acq: 13 Feb 2019 14:19

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 29.3  | 31.0  | 46.6# |
| 58      | 82.6  | 57.0  | 85.6  |

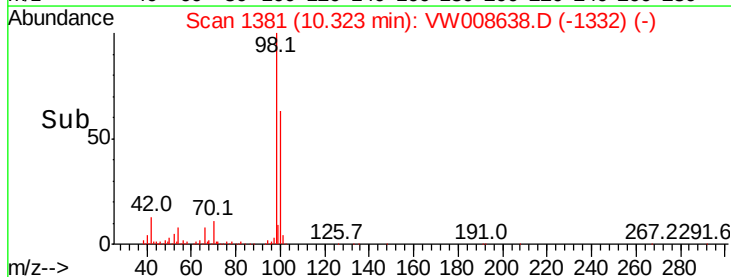
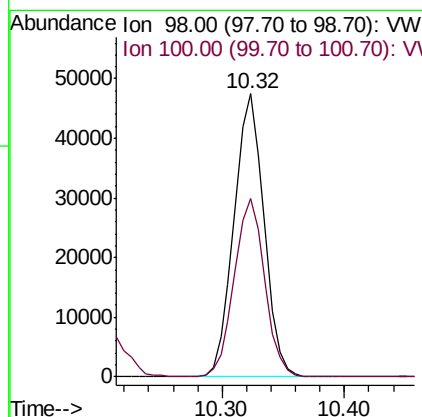
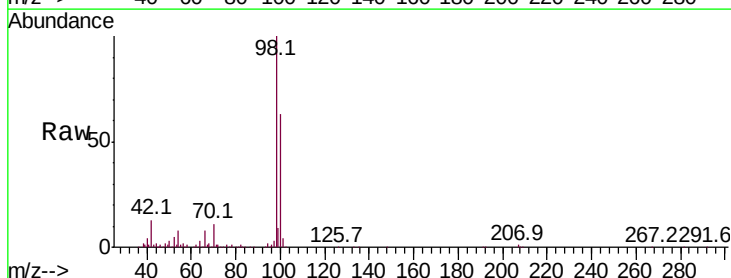
Manual Integrations  
APPROVED

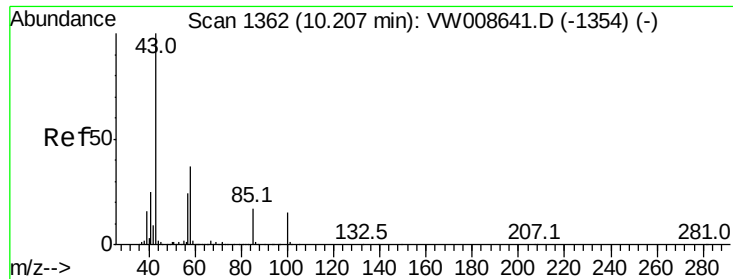
MMDadoda  
2/14/2019 2:08:44 PM



#50  
Toluene-d8  
Concen: 5.000 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. 0.00 min  
Lab File: VW008638.D  
Acq: 13 Feb 2019 14:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.6  | 52.2  | 78.4  |





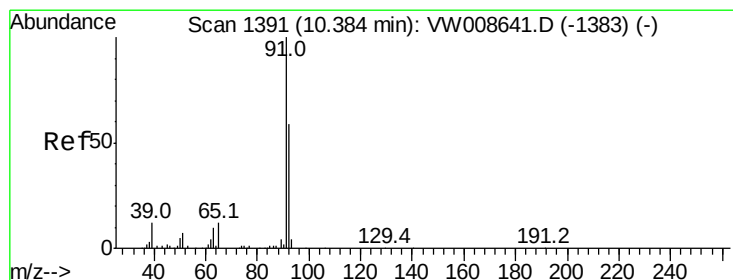
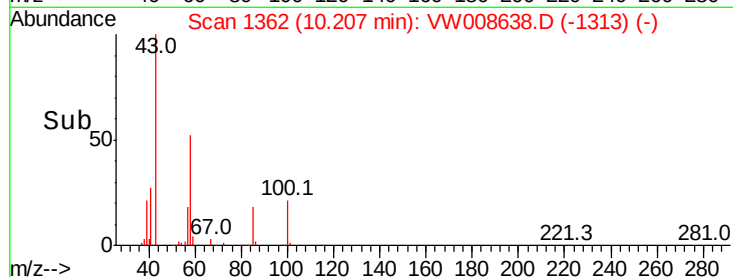
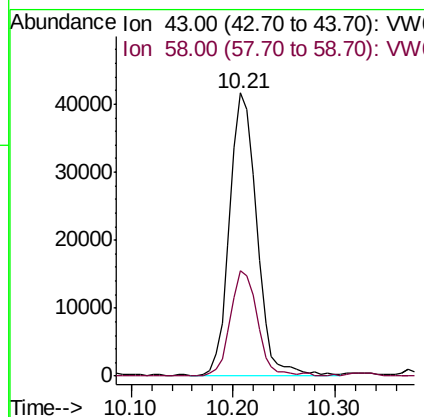
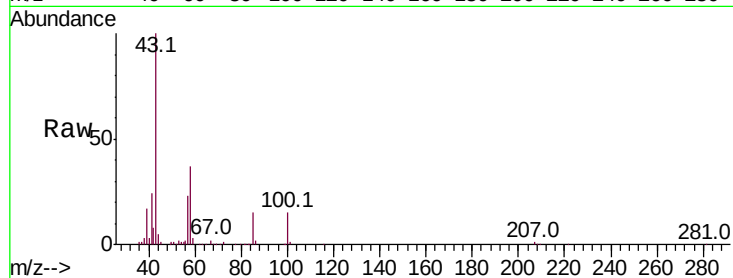
#51  
 4-Methyl-2-Pentanone  
 Concen: 22.817 ug/l  
 RT: 10.21 min Scan# 1362  
 Delta R.T. 0.00 min  
 Lab File: VW008638.D  
 Acq: 13 Feb 2019 14:19

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 37.4  | 29.0  | 43.6  |

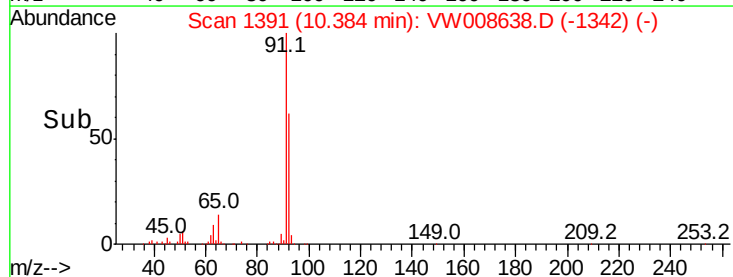
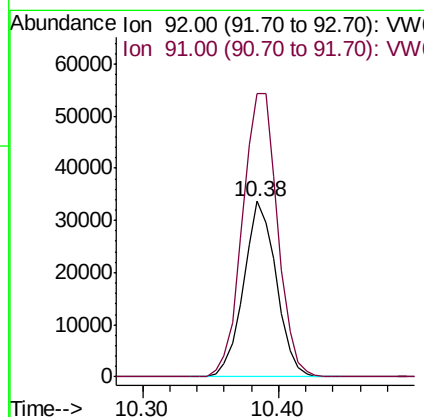
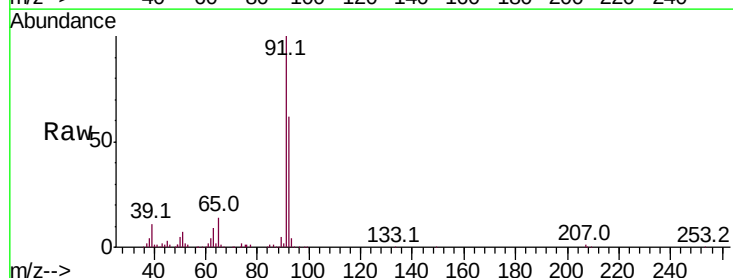
Manual Integrations  
 APPROVED

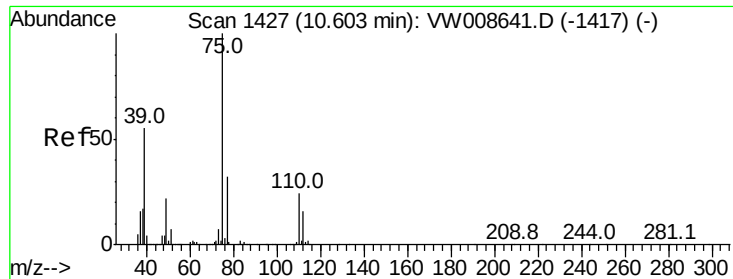
MMDadoda  
 2/14/2019 2:08:44 PM



#52  
 Toluene  
 Concen: 4.749 ug/l  
 RT: 10.38 min Scan# 1391  
 Delta R.T. 0.00 min  
 Lab File: VW008638.D  
 Acq: 13 Feb 2019 14:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 92      | 100   |       |       |
| 91      | 173.4 | 135.8 | 203.6 |





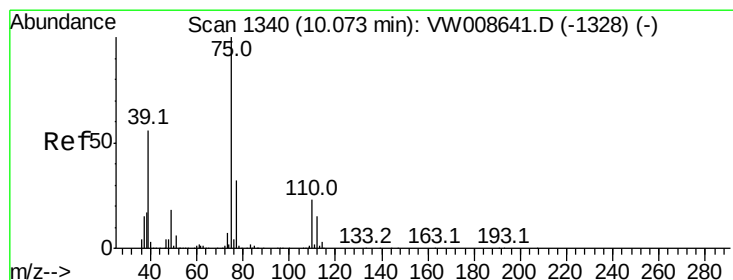
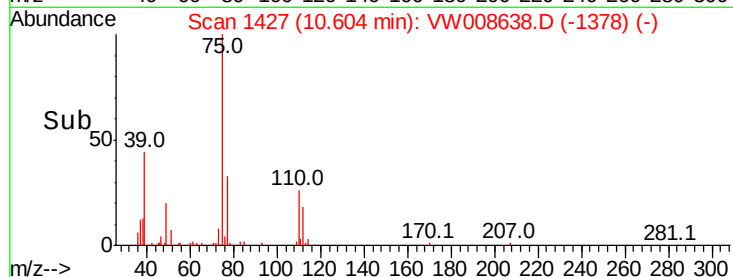
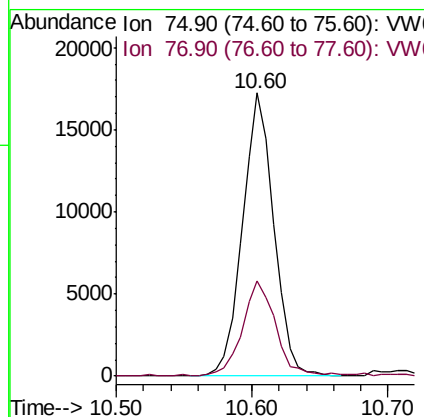
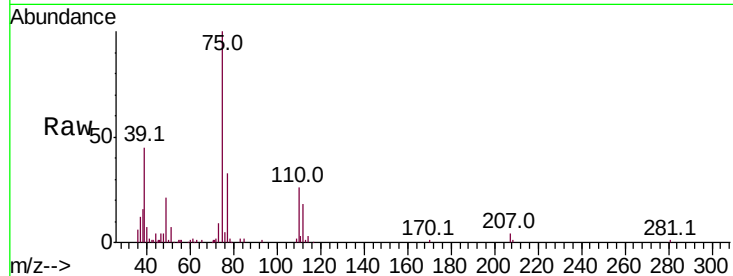
#53  
t-1,3-Dichloropropene  
Concen: 4.343 ug/l  
RT: 10.60 min Scan# 1427  
Delta R.T. 0.00 min  
Lab File: VW008638.D  
Acq: 13 Feb 2019 14:19

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 33.1  | 25.7  | 38.5  |

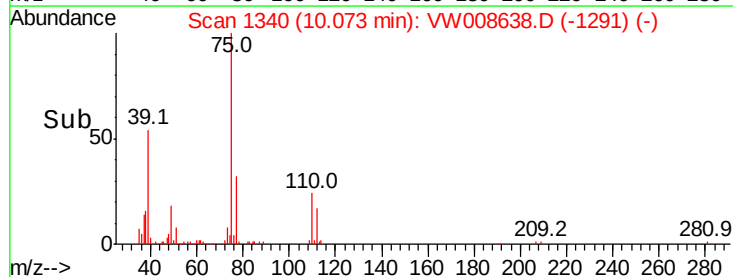
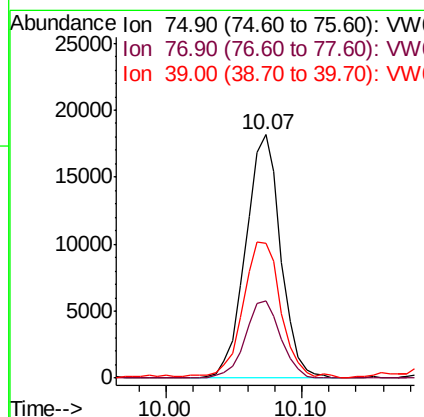
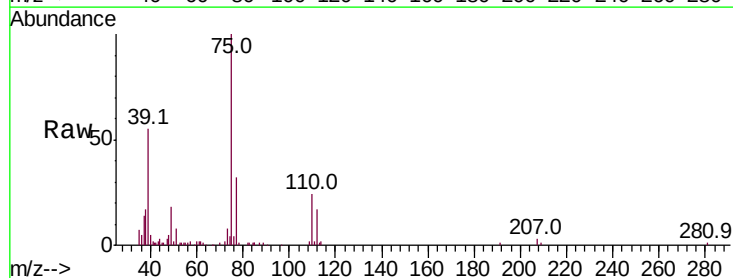
Manual Integrations  
APPROVED

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2/14/2019 2:08:44 PM

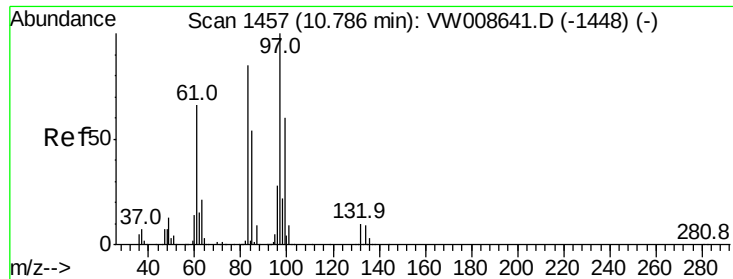


#54  
cis-1,3-Dichloropropene  
Concen: 4.524 ug/l  
RT: 10.07 min Scan# 1340  
Delta R.T. 0.00 min  
Lab File: VW008638.D  
Acq: 13 Feb 2019 14:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.7  | 25.4  | 38.0  |
| 39      | 55.3  | 44.5  | 66.7  |







#55

1,1,2-Trichloroethane

Concen: 4.859 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW008638.D

Acq: 13 Feb 2019 14:19

Instrument :

MSVOA\_W

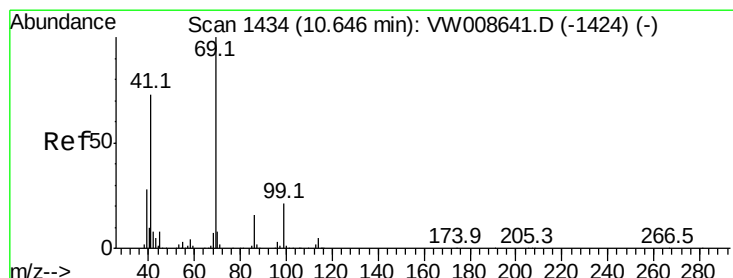
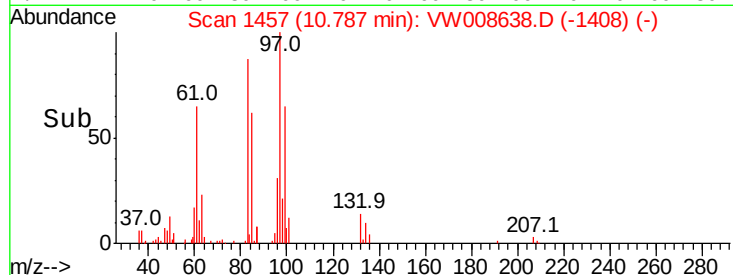
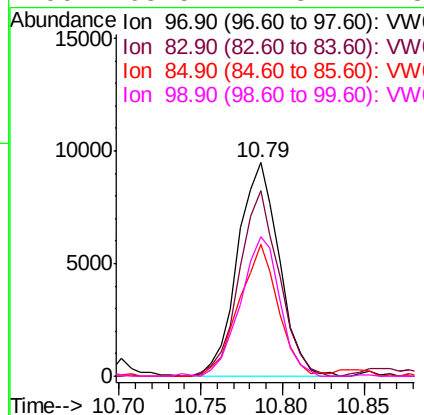
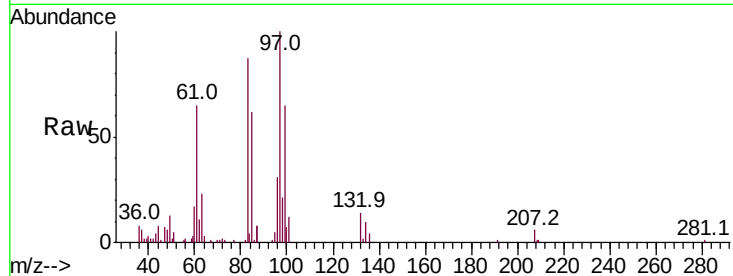
ClientSampleId :

VSTDIC005

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 97      | 100   | 16807 |       |       |
| 83      | 87.0  |       | 68.4  | 102.6 |
| 85      | 61.9  |       | 43.1  | 64.7  |
| 99      | 65.5  |       | 47.8  | 71.8  |

Manual Integrations  
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#56

Ethyl methacrylate

Concen: 4.368 ug/l

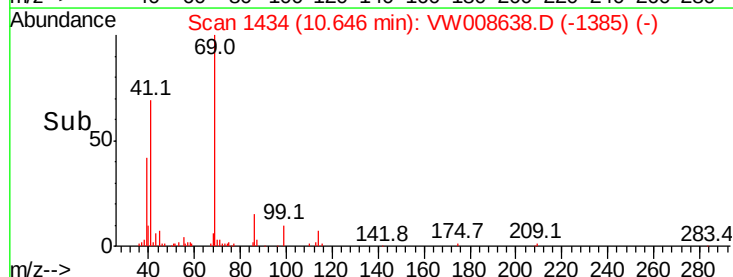
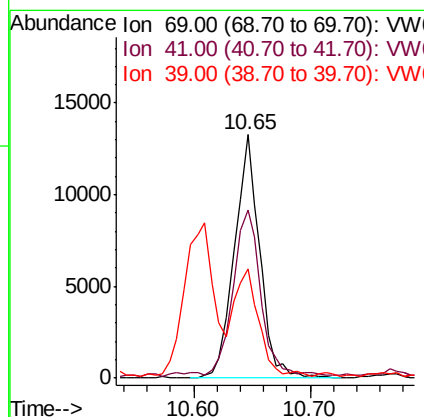
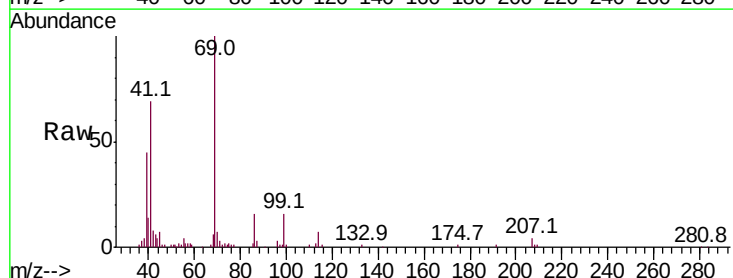
RT: 10.65 min Scan# 1434

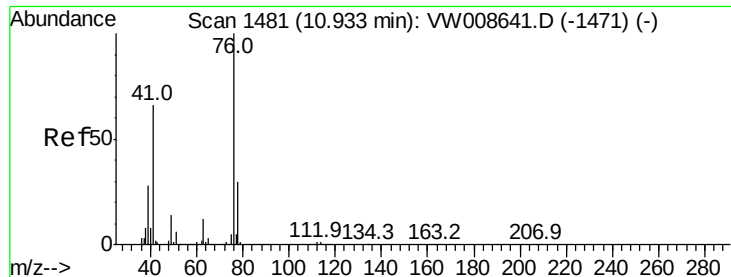
Delta R.T. 0.00 min

Lab File: VW008638.D

Acq: 13 Feb 2019 14:19

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 69      | 100   | 20062 |       |       |
| 41      | 76.0  |       | 59.0  | 88.4  |
| 39      | 42.4  |       | 34.4  | 51.6  |





#57

1,3-Dichloropropane

Concen: 4.738 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW008638.D

Acq: 13 Feb 2019 14:19

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 29077

Ion Ratio Lower Upper

76 100

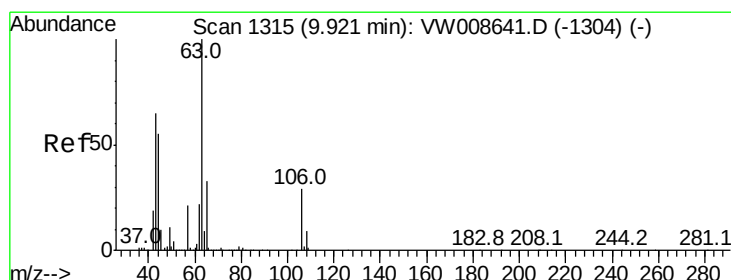
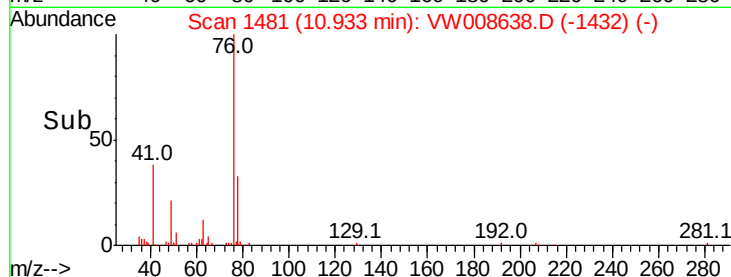
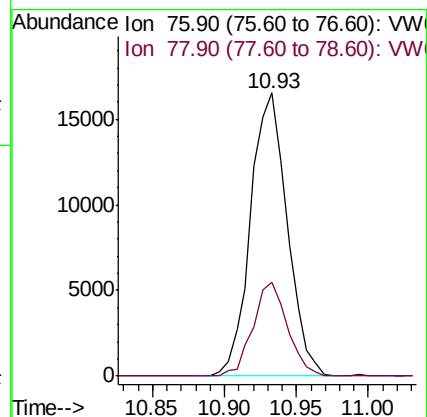
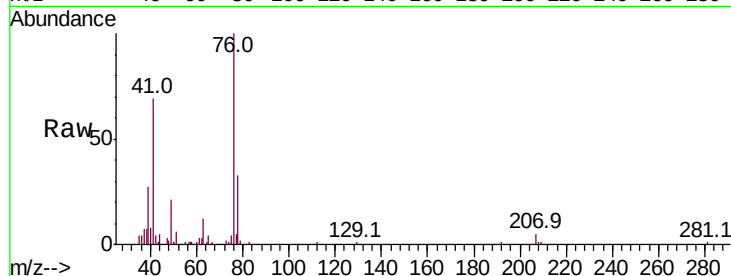
78 31.2 25.4 38.0

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 24.199 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW008638.D

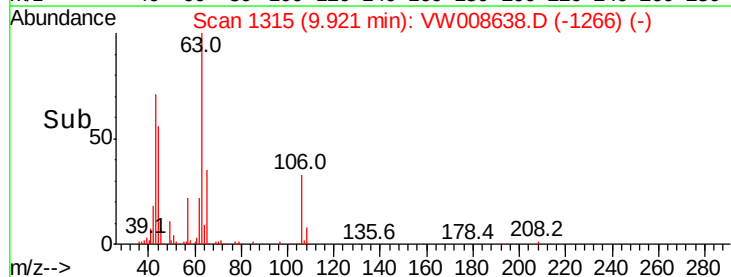
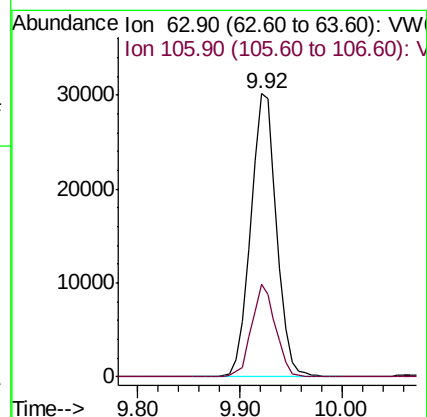
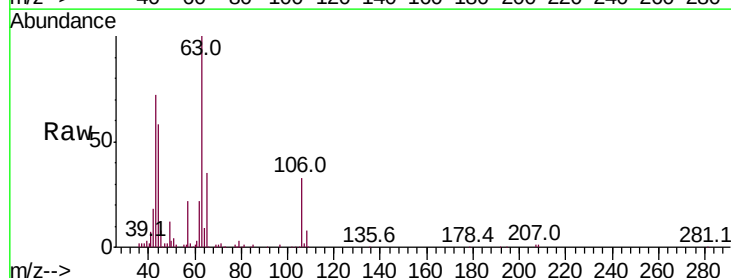
Acq: 13 Feb 2019 14:19

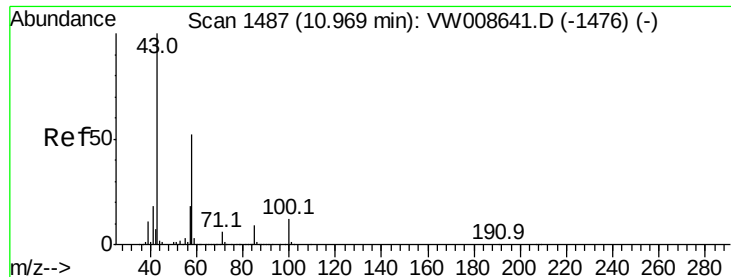
Tgt Ion: 63 Resp: 53318

Ion Ratio Lower Upper

63 100

106 30.2 23.4 35.2





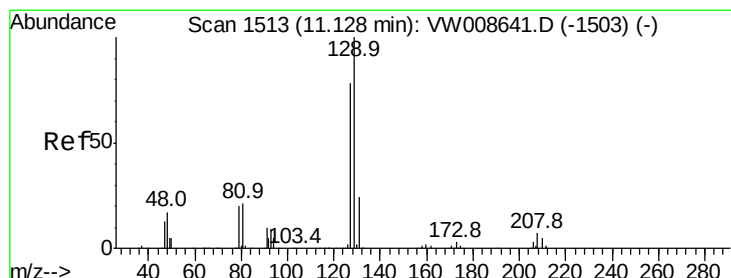
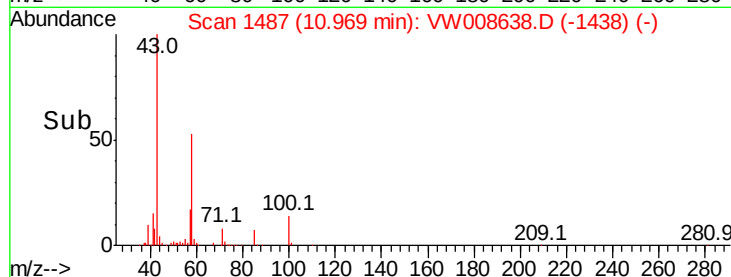
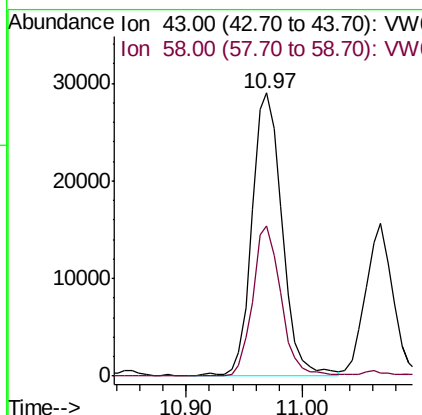
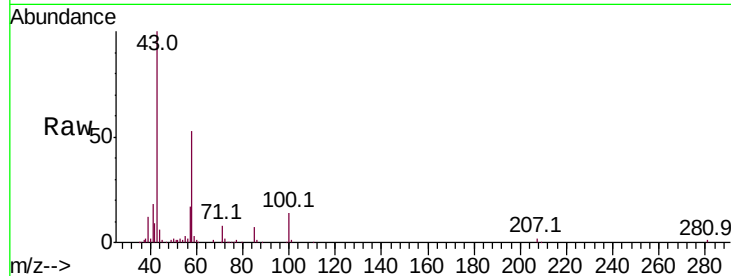
#59  
2-Hexanone  
Concen: 22.418 ug/l  
RT: 10.97 min Scan# 1487  
Delta R.T. 0.00 min  
Lab File: VW008638.D  
Acq: 13 Feb 2019 14:19

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

Tot Ion: 43 Resp: 52687  
Ion Ratio Lower Upper  
43 100  
58 50.1 25.6 76.6

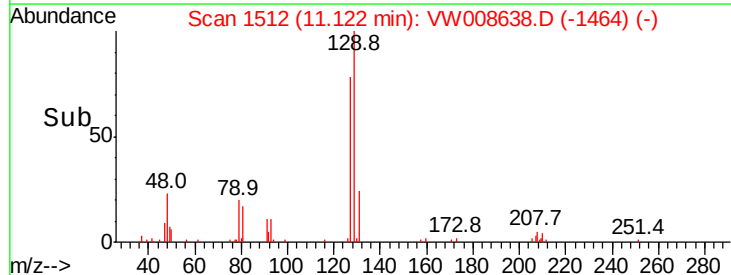
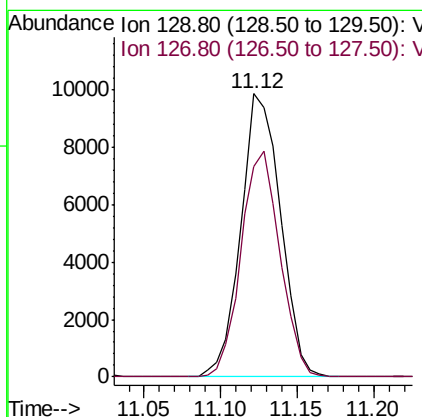
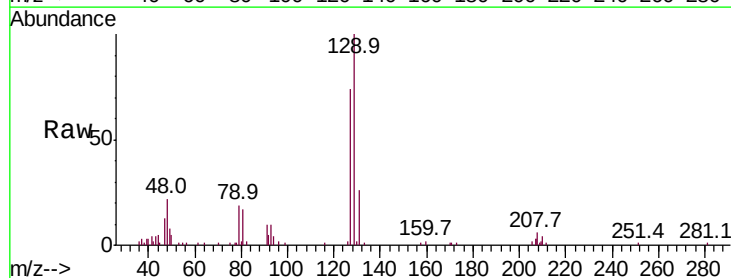
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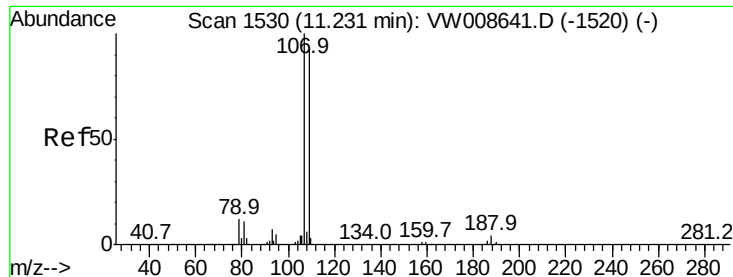
MMDadoda  
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#60  
Dibromochloromethane  
Concen: 4.308 ug/l  
RT: 11.12 min Scan# 1512  
Delta R.T. -0.01 min  
Lab File: VW008638.D  
Acq: 13 Feb 2019 14:19

Tgt Ion: 129 Resp: 17829  
Ion Ratio Lower Upper  
129 100  
127 77.7 38.5 115.3





#61

1,2-Dibromoethane

Concen: 4.664 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW008638.D

Acq: 13 Feb 2019 14:19

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion: 107 Resp: 15883

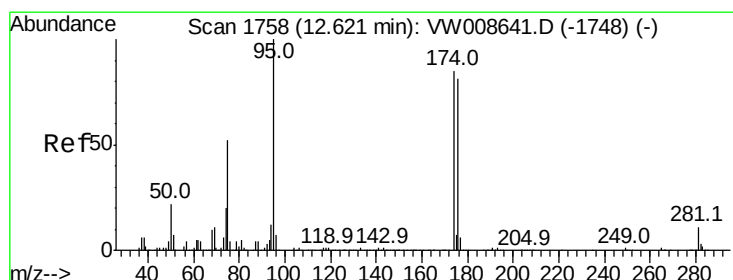
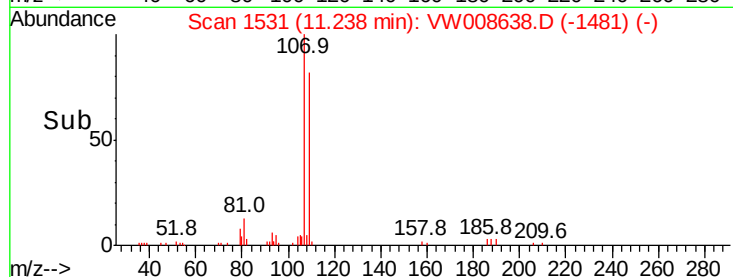
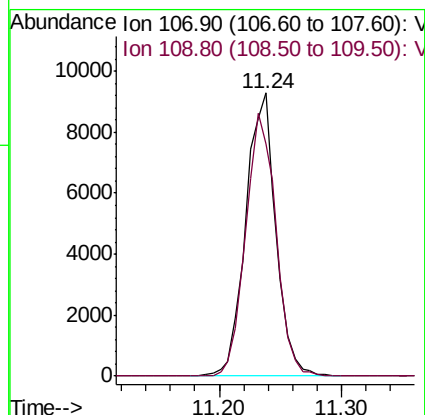
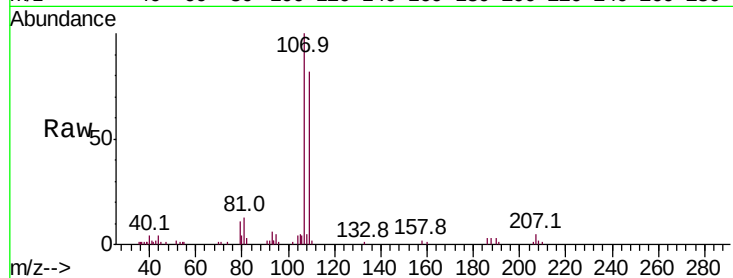
Ion Ratio Lower Upper

107 100

109 93.7 74.8 112.2

Manual Integrations  
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2/14/2019 2:08:44 PM



#62

4-Bromofluorobenzene

Concen: 4.667 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008638.D

Acq: 13 Feb 2019 14:19

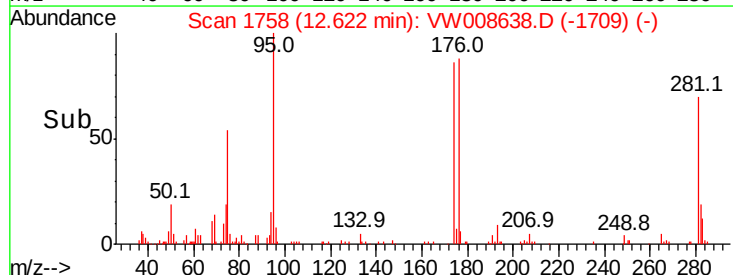
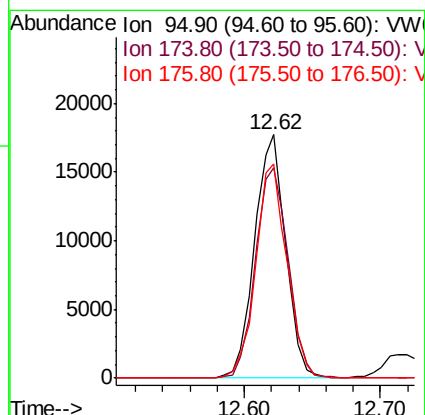
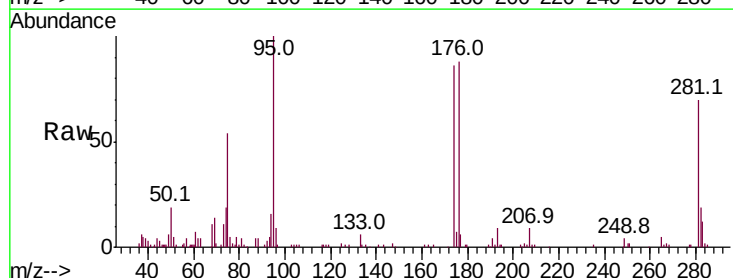
Tgt Ion: 95 Resp: 28360

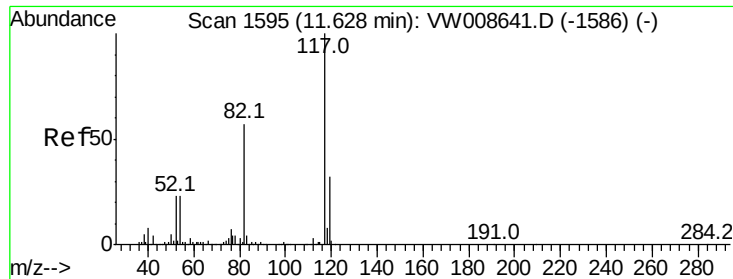
Ion Ratio Lower Upper

95 100

174 91.0 0.0 163.2

176 88.3 0.0 158.0





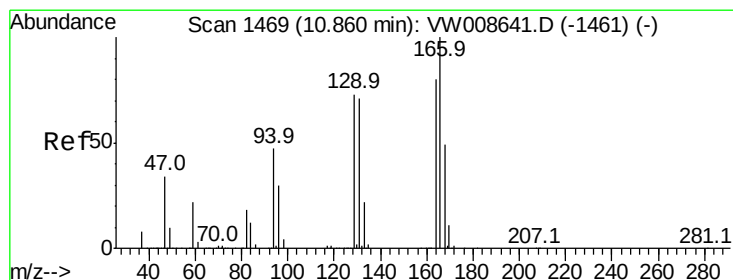
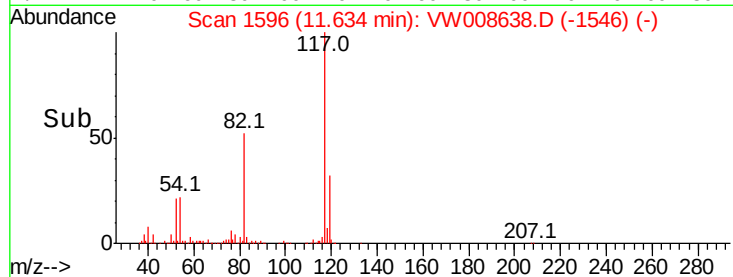
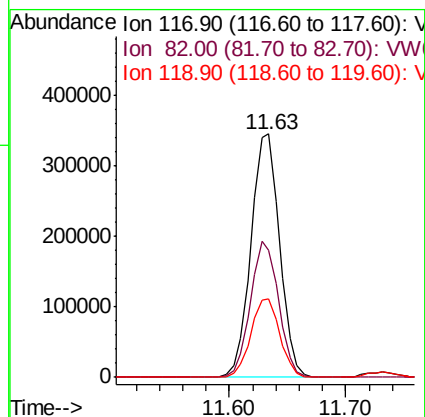
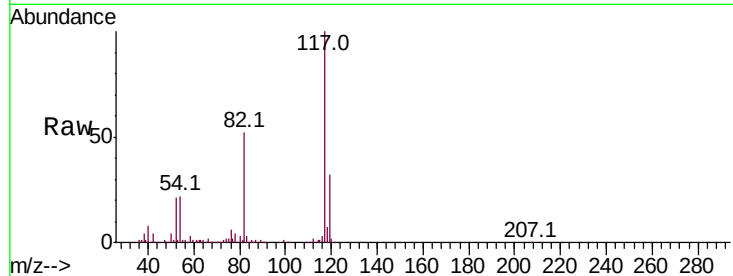
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.01 min  
Lab File: VW008638.D  
Acq: 13 Feb 2019 14:19

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 594275 |       |       |
| 82      | 52.4  |        | 45.6  | 68.4  |
| 119     | 32.1  |        | 25.7  | 38.5  |

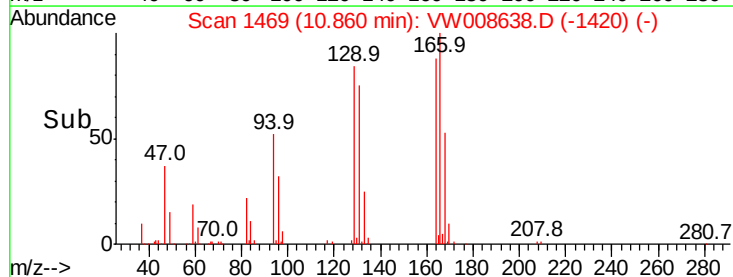
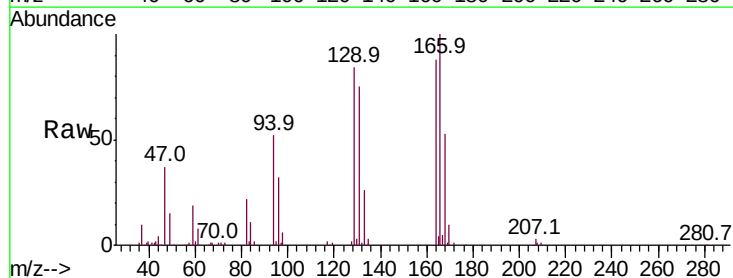
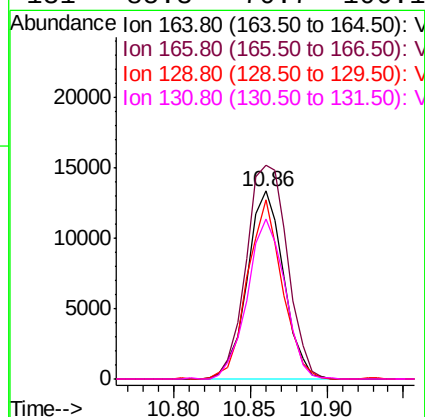
Manual Integrations  
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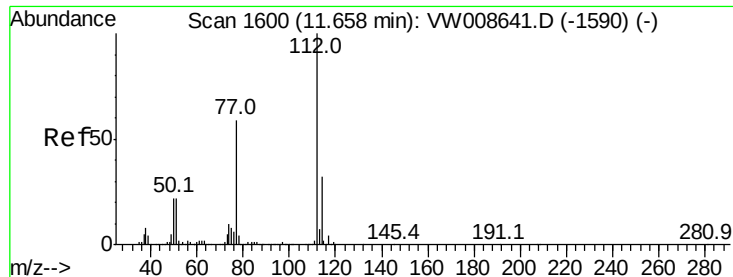
MMDadoda  
2/14/2019 2:08:44 PM



#64  
Tetrachloroethene  
Concen: 5.003 ug/l  
RT: 10.86 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VW008638.D  
Acq: 13 Feb 2019 14:19

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 22110 |       |       |
| 166     | 113.7 |       | 100.2 | 150.2 |
| 129     | 95.4  |       | 73.6  | 110.4 |
| 131     | 85.3  |       | 70.7  | 106.1 |





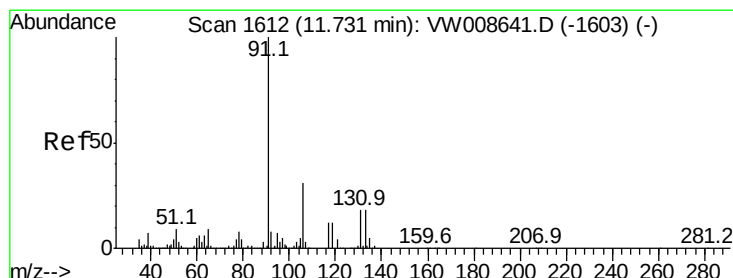
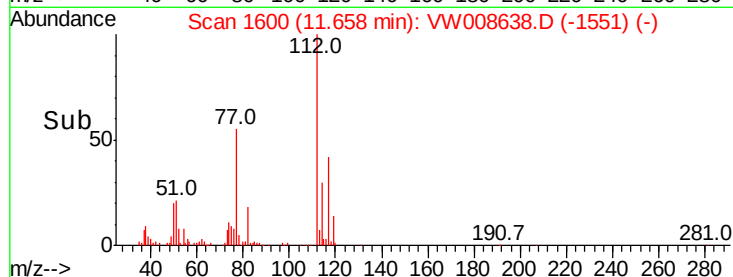
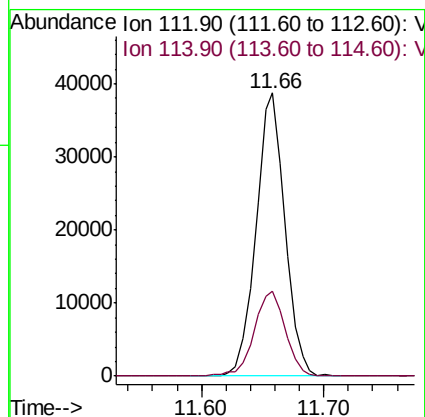
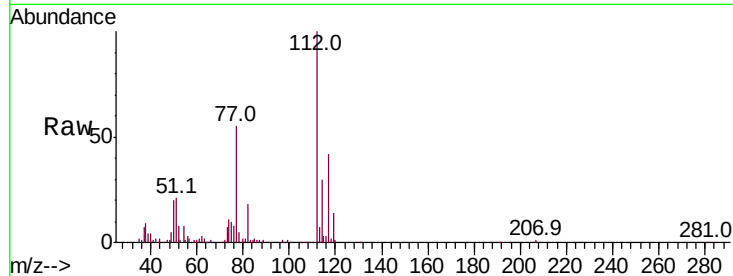
#65  
Chlorobenzene  
Concen: 4.963 ug/l  
RT: 11.66 min Scan# 1600  
Delta R.T. 0.00 min  
Lab File: VW008638.D  
Acq: 13 Feb 2019 14:19

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 30.0  | 25.7  | 38.5  |

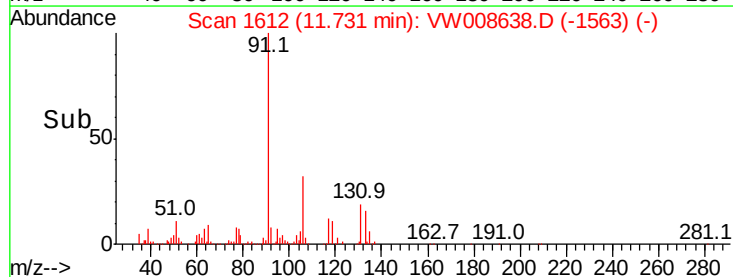
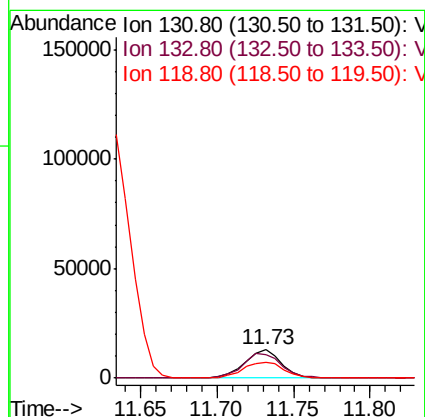
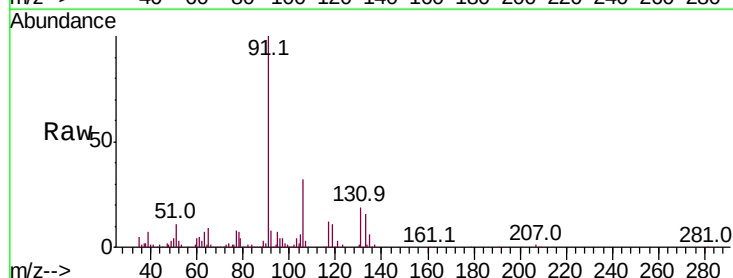
Manual Integrations  
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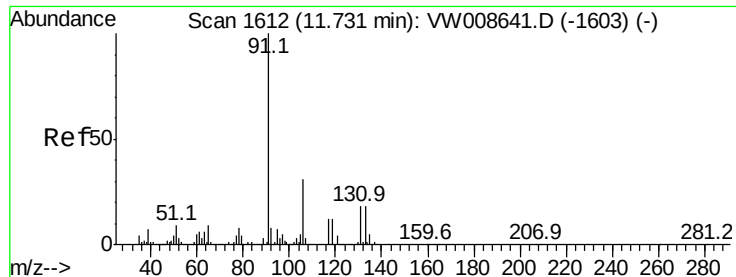
MMDadoda  
2/14/2019 2:08:44 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 4.718 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW008638.D  
Acq: 13 Feb 2019 14:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 91.6  | 47.8  | 143.4 |
| 119     | 65.2  | 31.6  | 94.8  |





#67

Ethyl Benzene

Concen: 4.817 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008638.D

Acq: 13 Feb 2019 14:19

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 109910

Ion Ratio Lower Upper

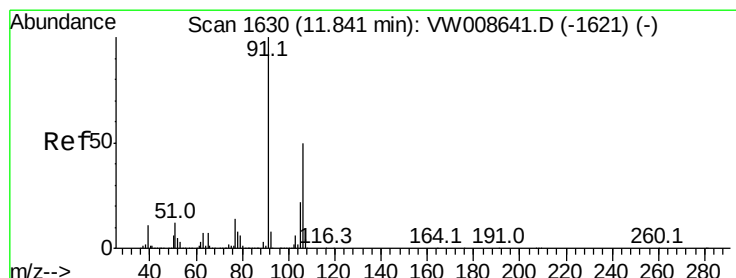
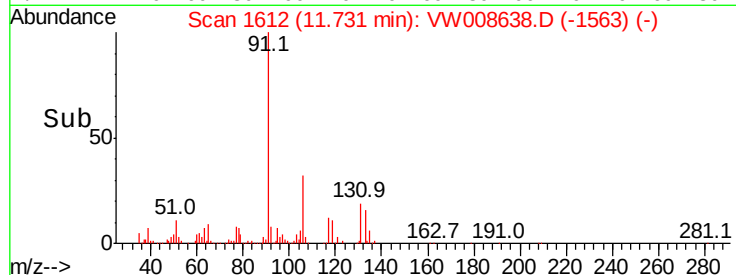
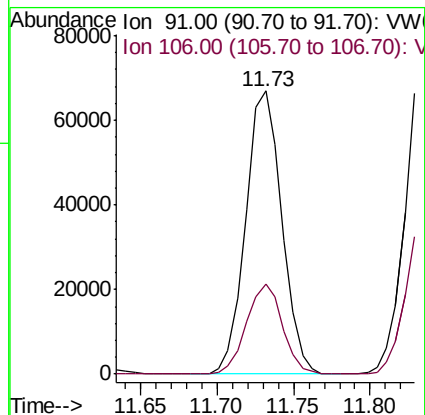
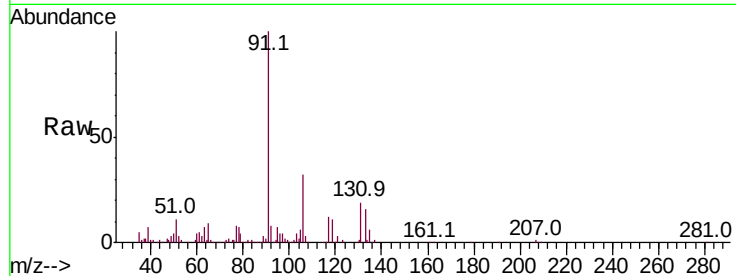
91 100

106 31.7 24.5 36.7

Manual Integrations  
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2/14/2019 2:08:44 PM



#68

m/p-Xylenes

Concen: 9.550 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW008638.D

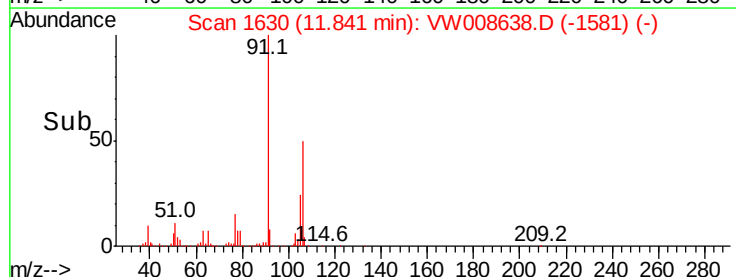
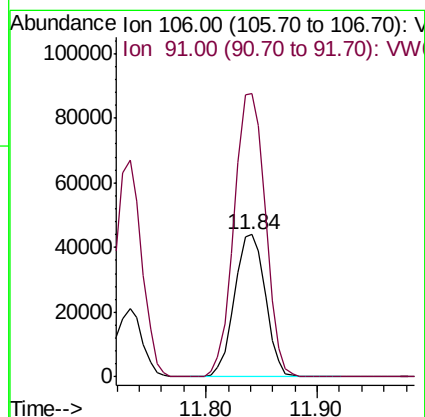
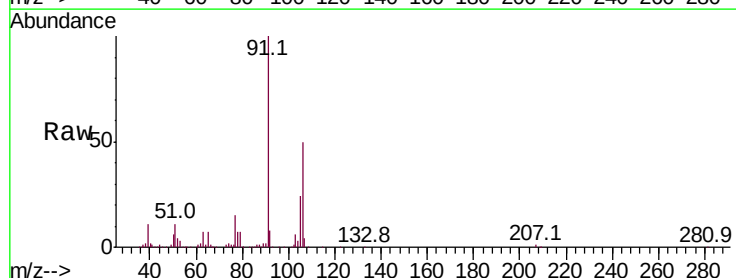
Acq: 13 Feb 2019 14:19

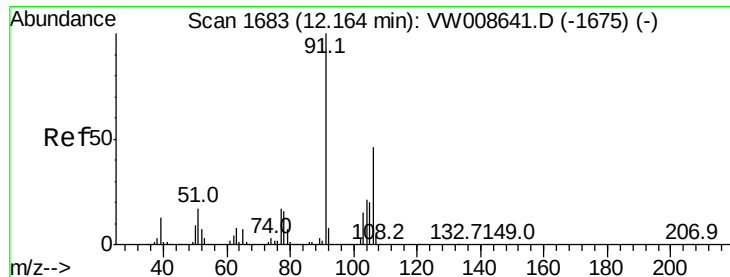
Tgt Ion: 106 Resp: 84780

Ion Ratio Lower Upper

106 100

91 201.4 161.0 241.4





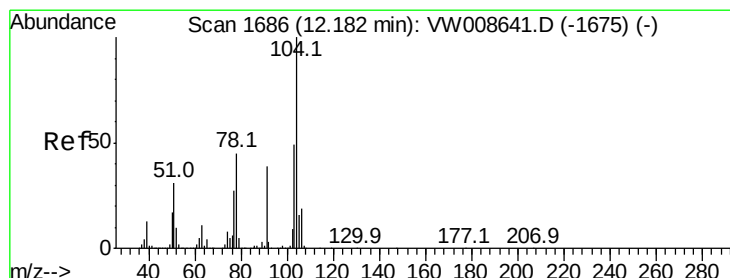
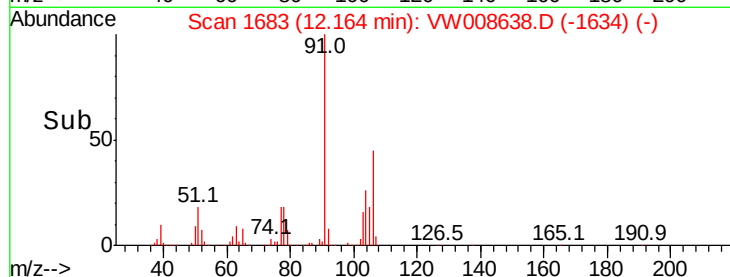
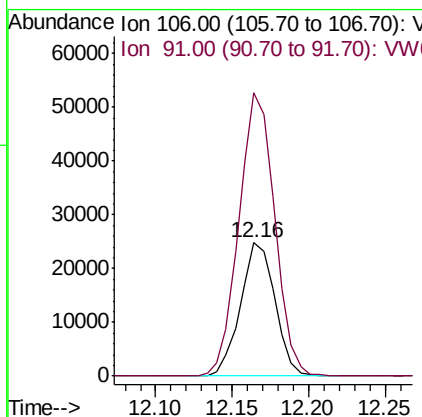
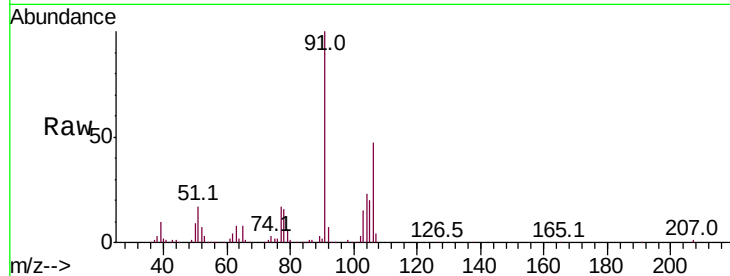
#69  
o-Xylene  
Concen: 4.637 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. 0.00 min  
Lab File: VW008638.D  
Acq: 13 Feb 2019 14:19

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 220.9 | 106.7 | 320.1 |

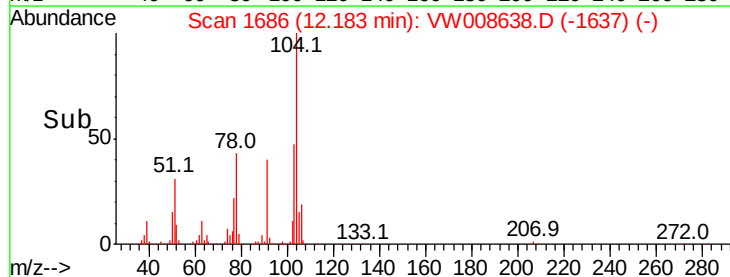
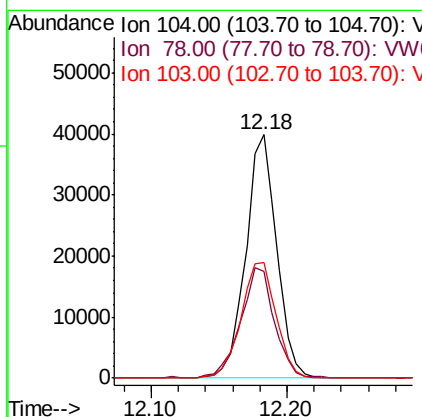
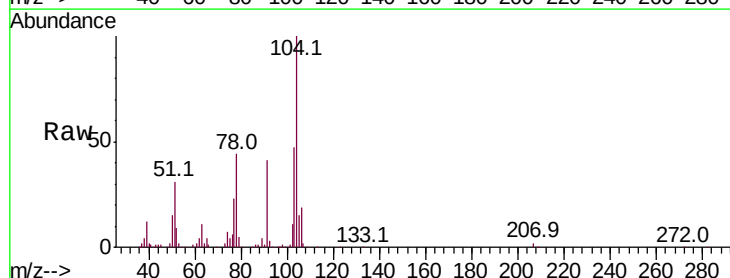
Manual Integrations  
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2/14/2019 2:08:44 PM

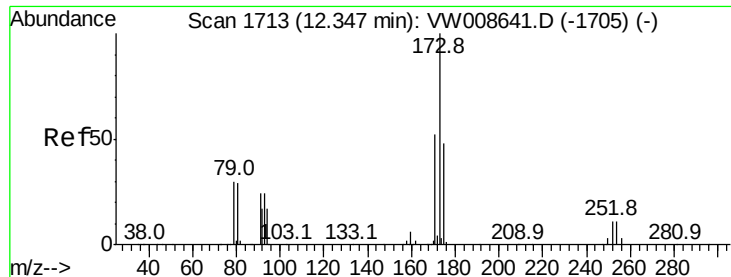


#70  
Styrene  
Concen: 4.635 ug/l  
RT: 12.18 min Scan# 1686  
Delta R.T. 0.00 min  
Lab File: VW008638.D  
Acq: 13 Feb 2019 14:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 49.5  | 41.5  | 62.3  |
| 103     | 53.6  | 43.5  | 65.3  |







#71

Bromoform

Concen: 4.318 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW008638.D

Acq: 13 Feb 2019 14:19

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 10558

Ion Ratio Lower Upper

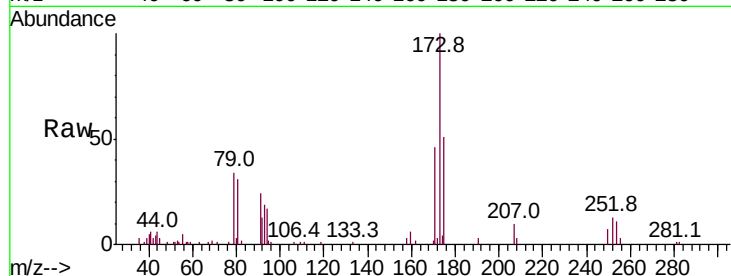
173 100

175 50.6 24.9 74.7

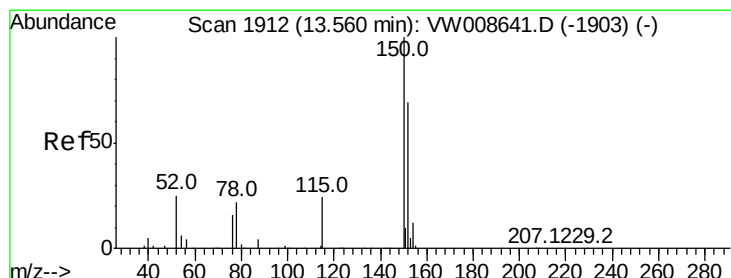
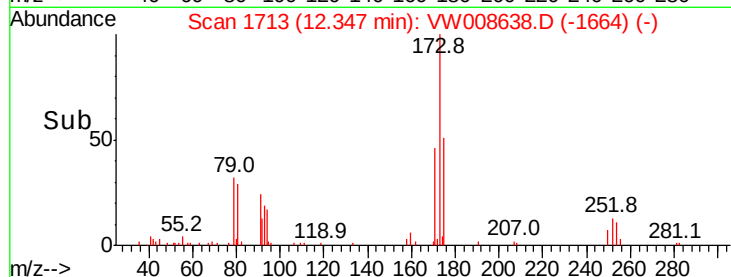
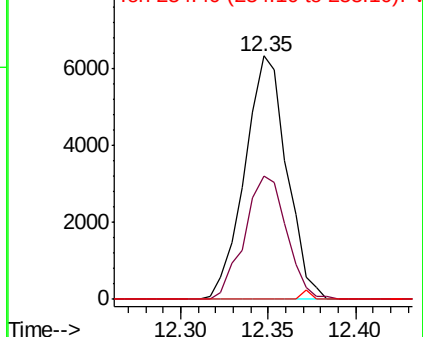
254 0.0 0.1 0.1#

Manual Integrations  
APPROVED

MMDadoda  
2/14/2019 2:08:44 PM



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: VW008638.D

Acq: 13 Feb 2019 14:19

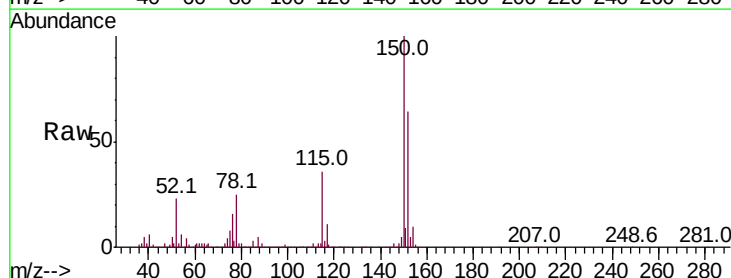
Tgt Ion:152 Resp: 314913

Ion Ratio Lower Upper

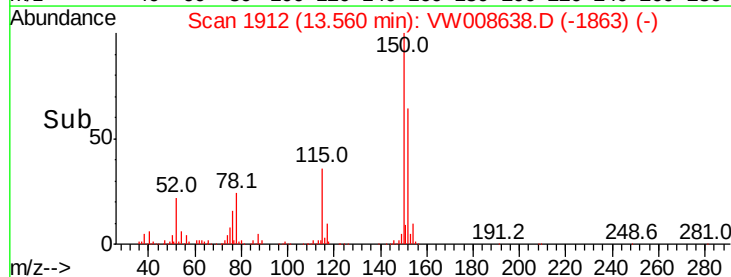
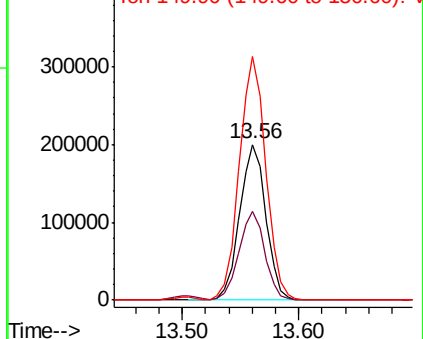
152 100

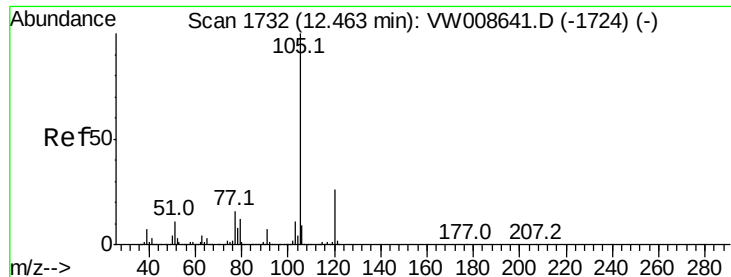
115 56.1 29.3 87.8

150 158.1 0.0 352.8



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





#73

Isopropylbenzene

Concen: 4.688 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW008638.D

Acq: 13 Feb 2019 14:19

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 109958

Ion Ratio Lower Upper

105 100

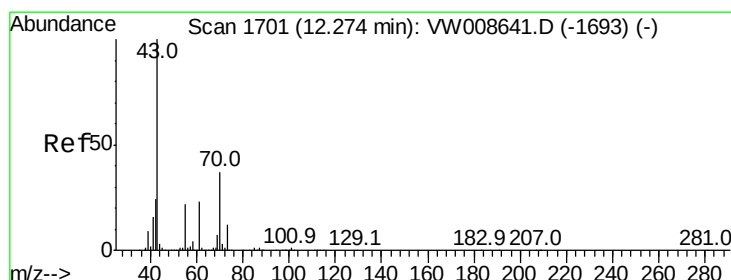
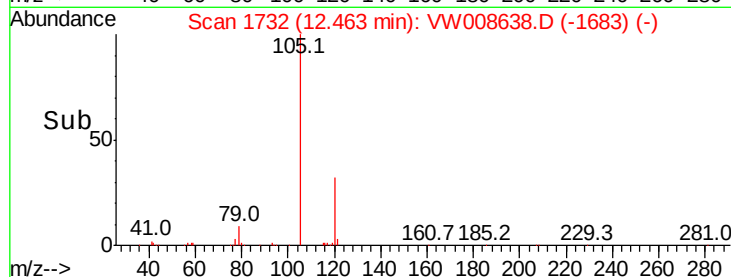
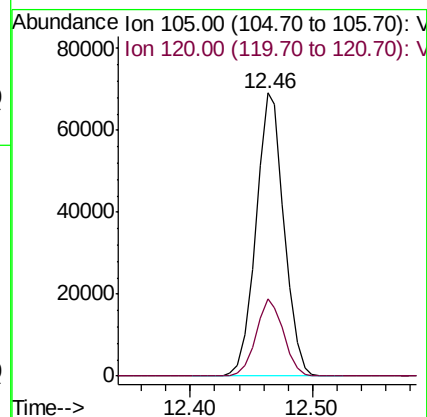
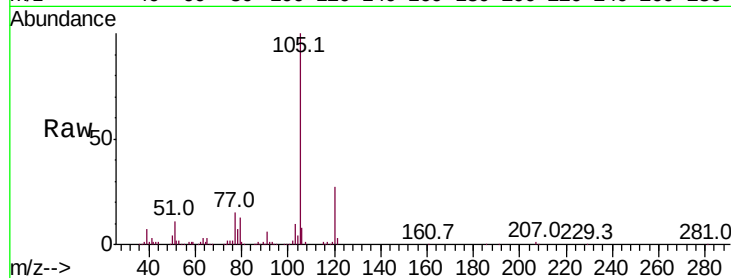
120 26.8 13.2 39.6

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#74

N-ethyl acetate

Concen: 4.093 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008638.D

Acq: 13 Feb 2019 14:19

Tgt Ion: 43 Resp: 25965

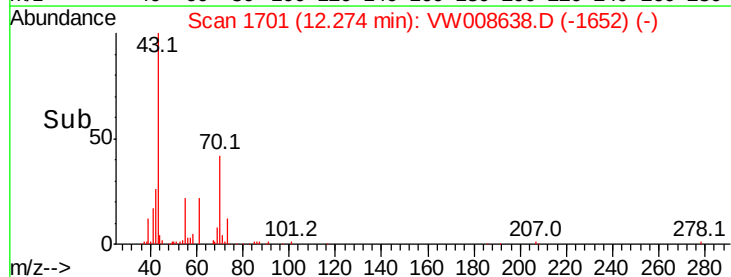
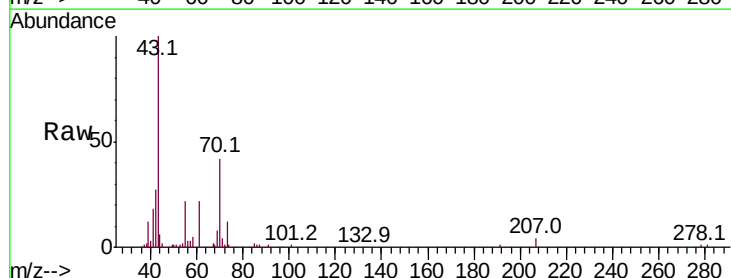
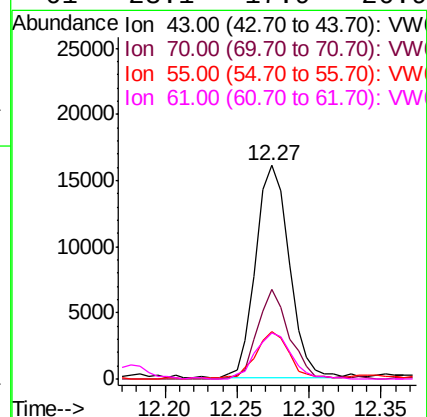
Ion Ratio Lower Upper

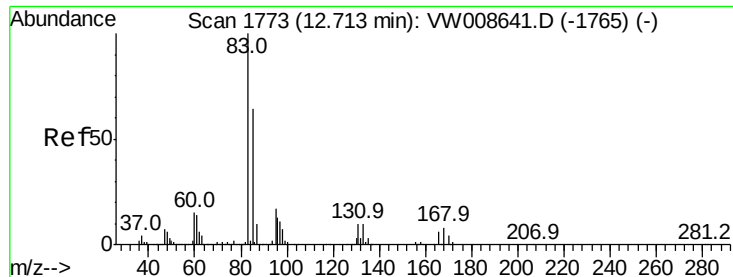
43 100

70 39.6 30.5 45.7

55 22.2 17.6 26.4

61 23.1 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 4.738 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW008638.D

Acq: 13 Feb 2019 14:19

Instrument :

MSVOA\_W

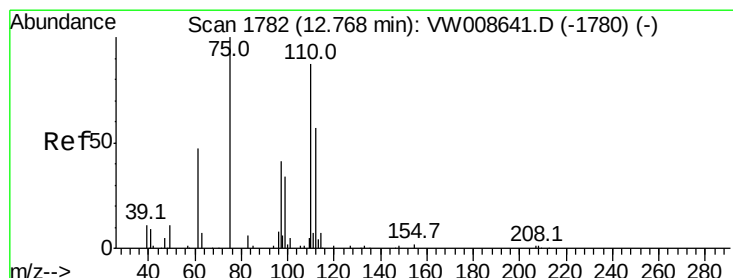
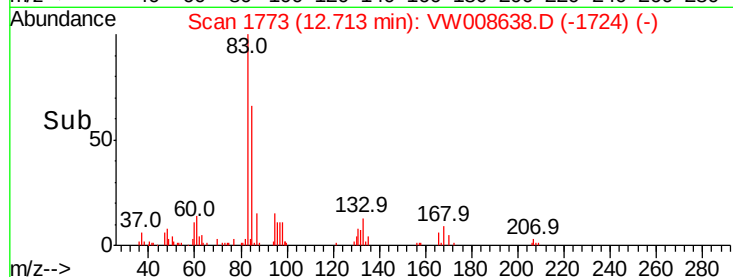
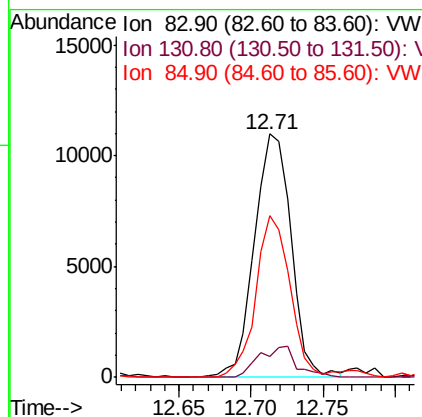
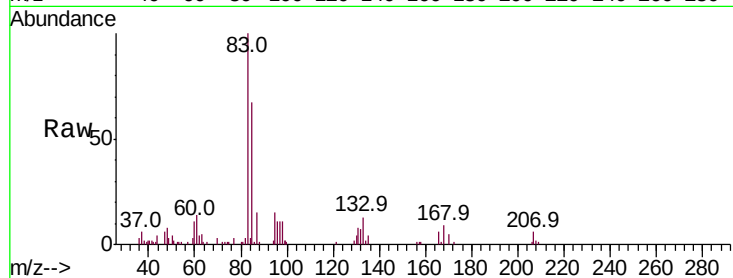
ClientSampleId :

VSTDIC005

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 19335 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 13.0  | 5.5   | 16.7  |
| 85        | 61.5  | 31.8  | 95.3  |

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#76

1,2,3-Trichloropropane

Concen: 4.449 ug/l m

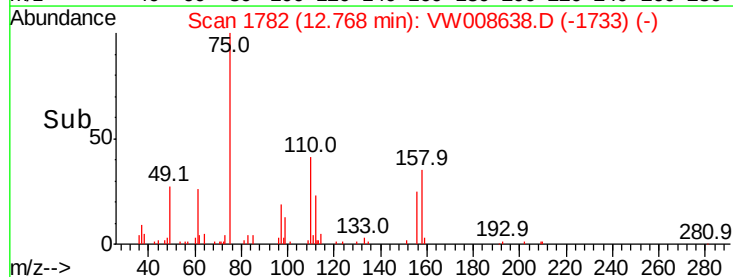
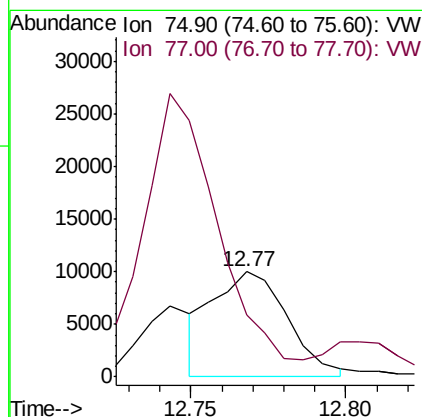
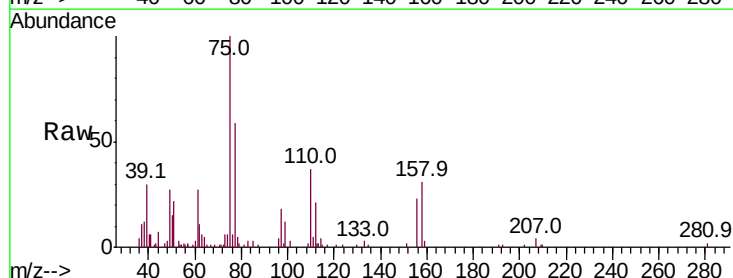
RT: 12.77 min Scan# 1782

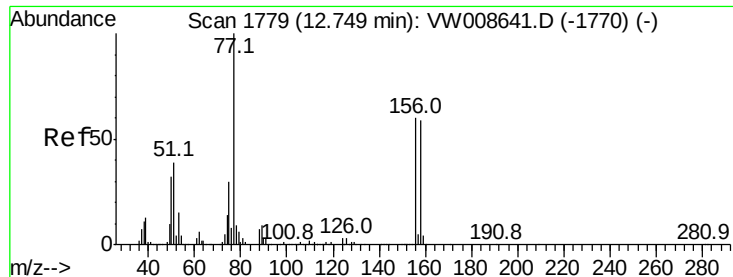
Delta R.T. 0.00 min

Lab File: VW008638.D

Acq: 13 Feb 2019 14:19

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 16720 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 4.872 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW008638.D

Acq: 13 Feb 2019 14:19

Instrument :

MSVOA\_W

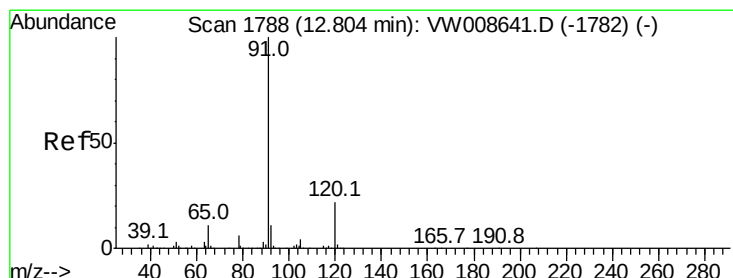
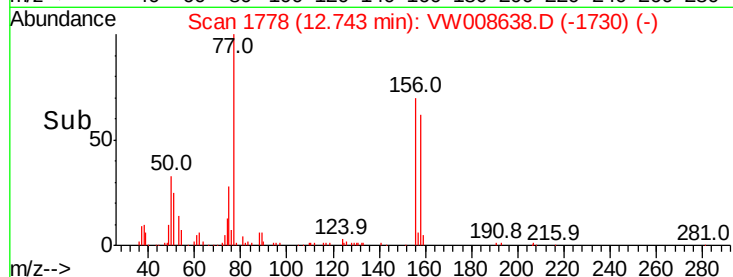
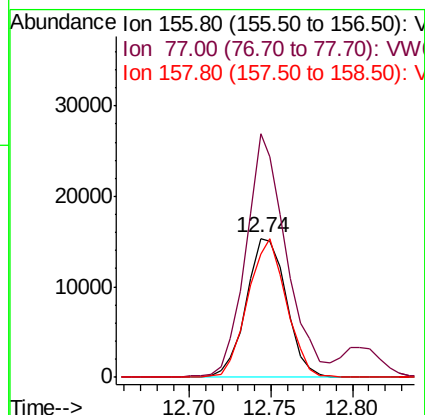
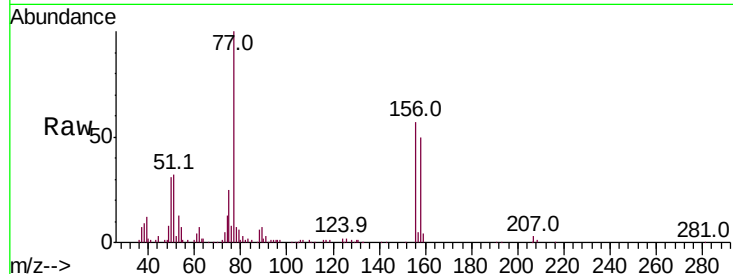
ClientSampleId :

VSTDIC005

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 156   | Resp: | 26272 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 177.5 | 93.2  | 279.5 |
| 158       | 95.5  | 48.5  | 145.5 |

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#78

n-propylbenzene

Concen: 4.649 ug/l

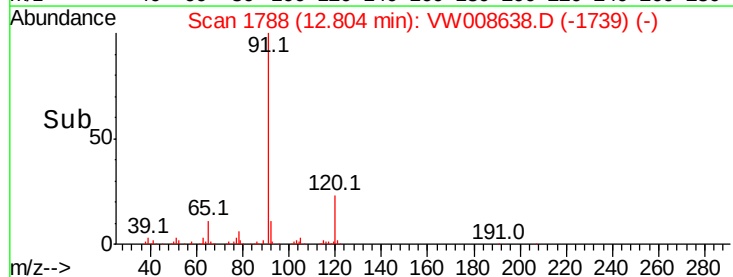
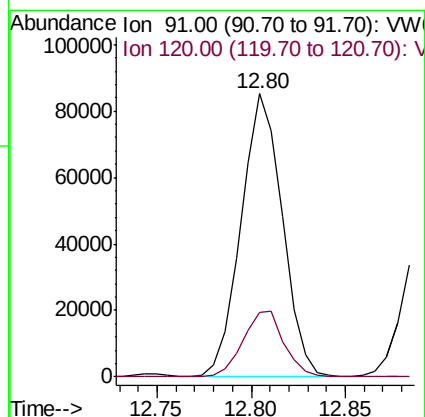
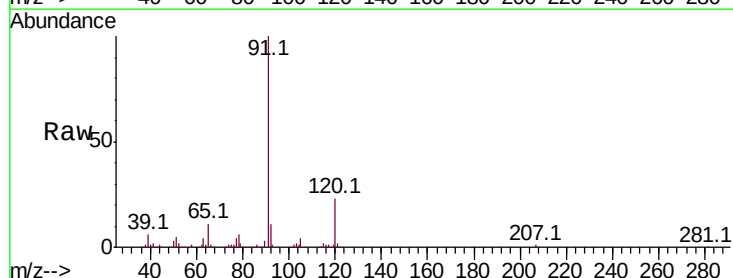
RT: 12.80 min Scan# 1788

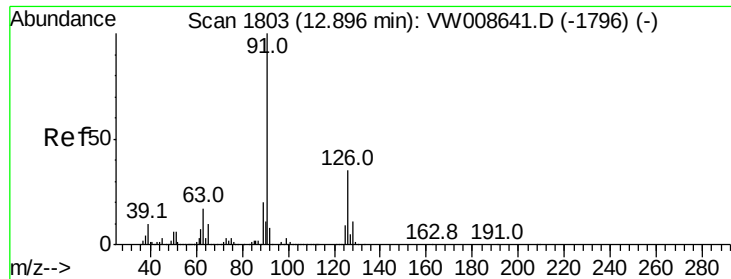
Delta R.T. 0.00 min

Lab File: VW008638.D

Acq: 13 Feb 2019 14:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 129582 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 23.0  | 11.4  | 34.2   |





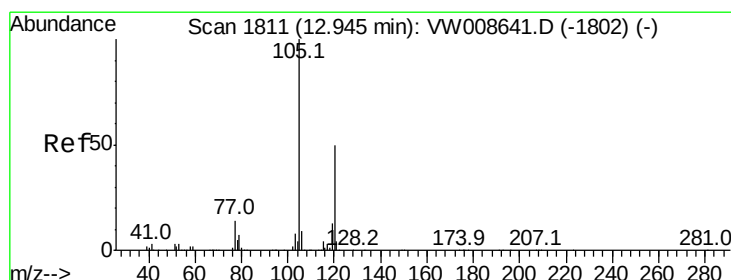
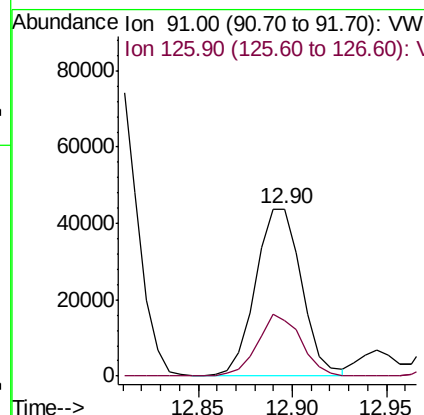
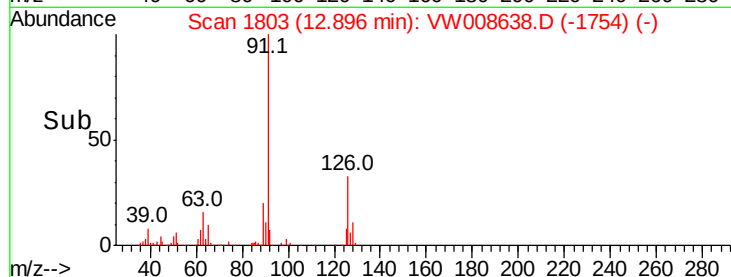
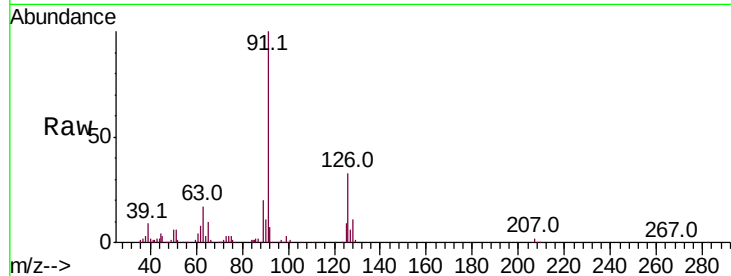
#79  
2-Chlorotoluene  
Concen: 4.725 ug/l  
RT: 12.90 min Scan# 1803  
Delta R.T. 0.00 min  
Lab File: VW008638.D  
Acq: 13 Feb 2019 14:19

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

Tot Ion: 91 Resp: 74432  
Ion Ratio Lower Upper  
91 100  
126 34.9 17.0 50.9

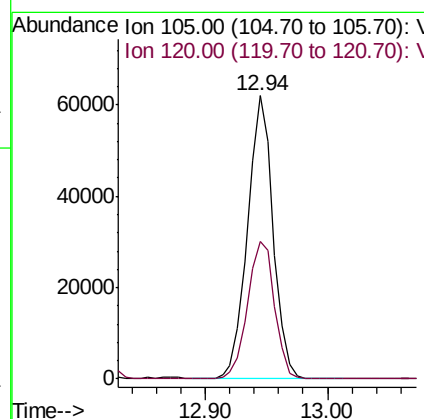
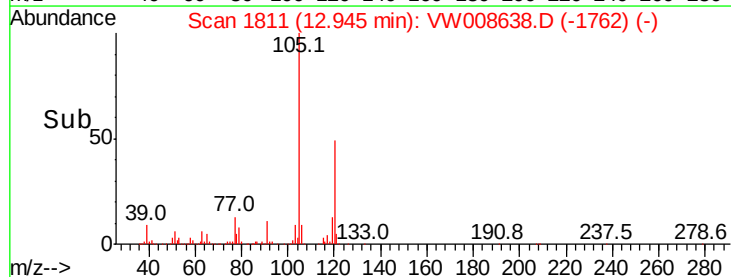
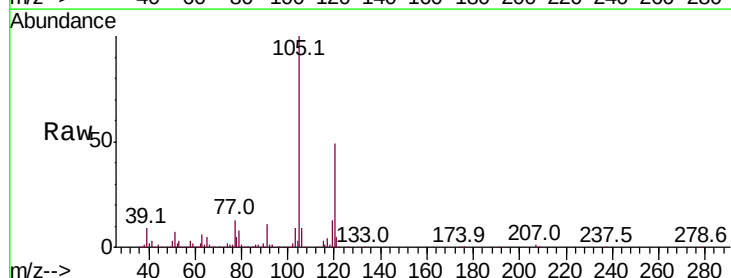
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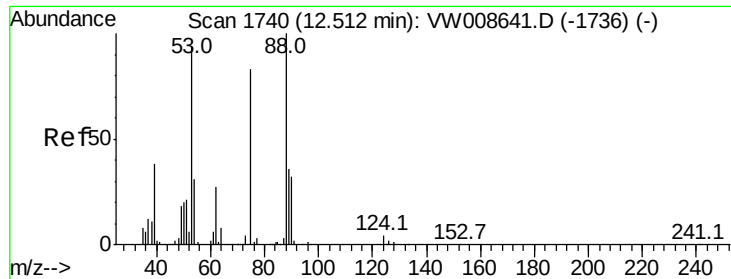
MMDadoda  
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#80  
1,3,5-Trimethylbenzene  
Concen: 4.625 ug/l  
RT: 12.94 min Scan# 1811  
Delta R.T. 0.00 min  
Lab File: VW008638.D  
Acq: 13 Feb 2019 14:19

Tgt Ion:105 Resp: 90104  
Ion Ratio Lower Upper  
105 100  
120 51.3 24.6 73.8





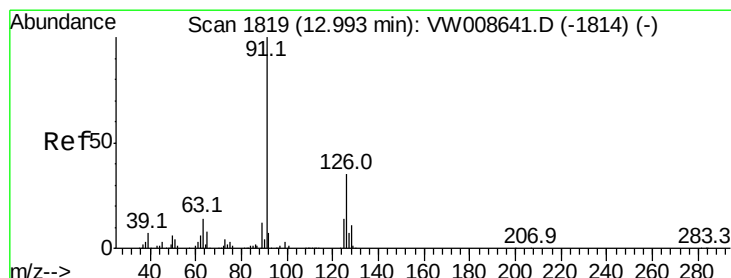
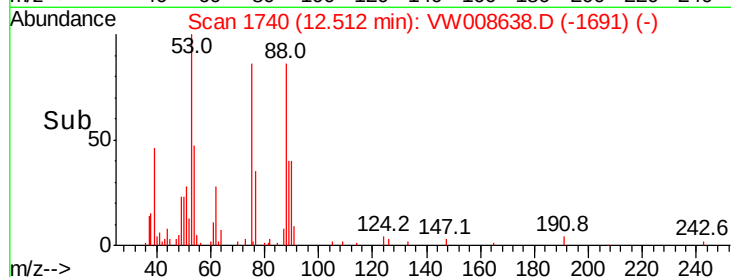
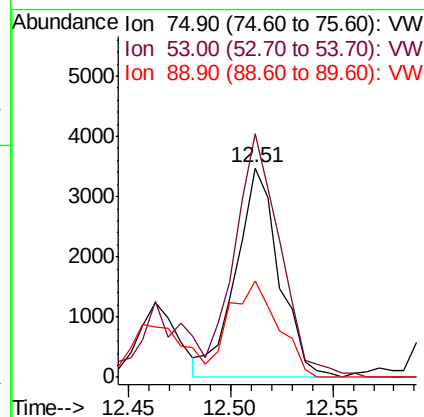
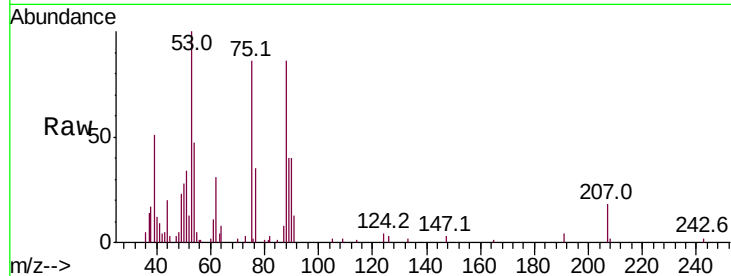
#81  
trans-1,4-Dichloro-2-butene  
Concen: 4.031 ug/l  
RT: 12.51 min Scan# 1740  
Delta R.T. 0.00 min  
Lab File: VW008638.D  
Acq: 13 Feb 2019 14:19

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 120.7 | 87.4  | 131.0 |
| 89      | 51.5  | 37.0  | 55.4  |

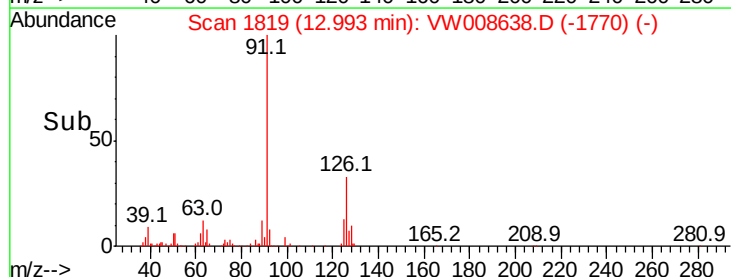
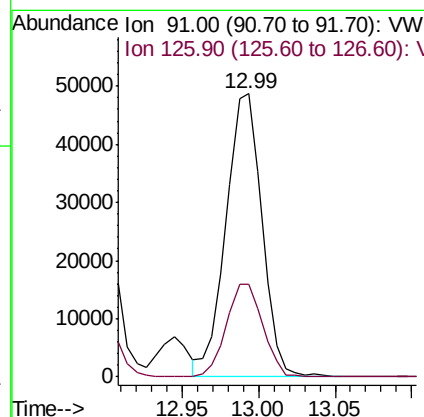
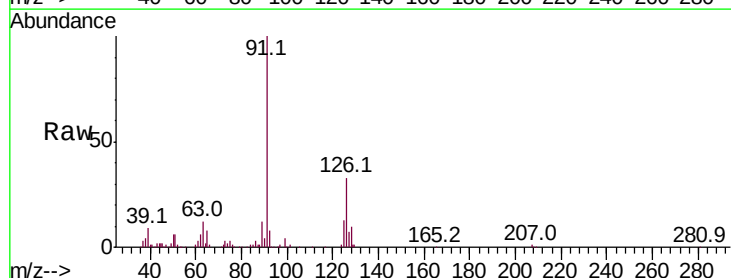
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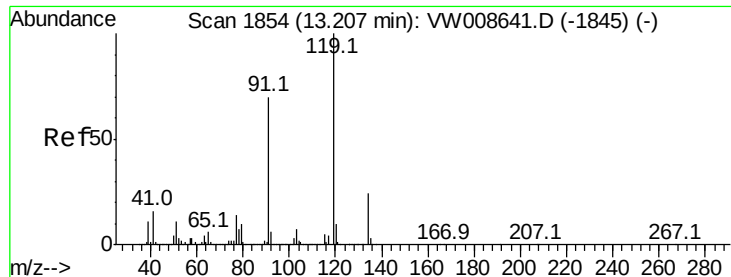
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2/14/2019 2:08:44 PM



#82  
4-Chlorotoluene  
Concen: 4.776 ug/l  
RT: 12.99 min Scan# 1819  
Delta R.T. 0.00 min  
Lab File: VW008638.D  
Acq: 13 Feb 2019 14:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 33.1  | 16.9  | 50.7  |





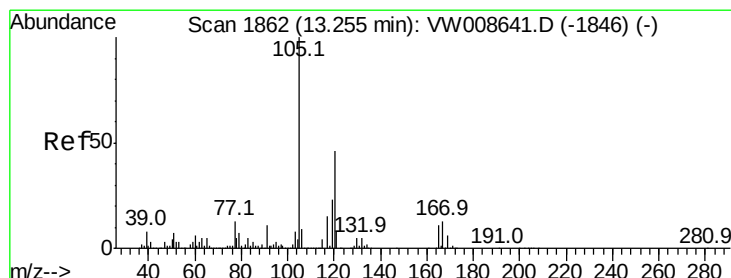
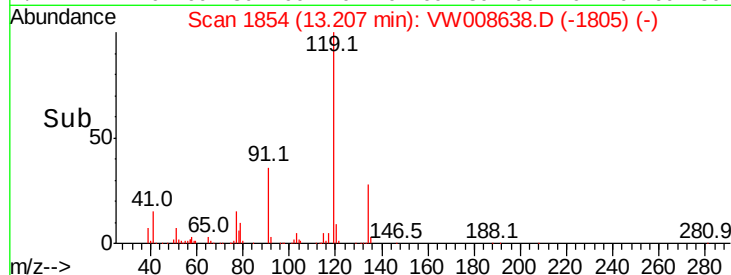
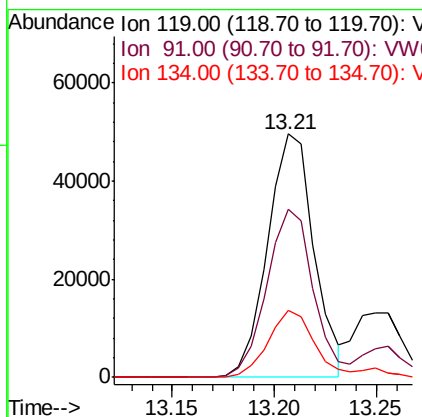
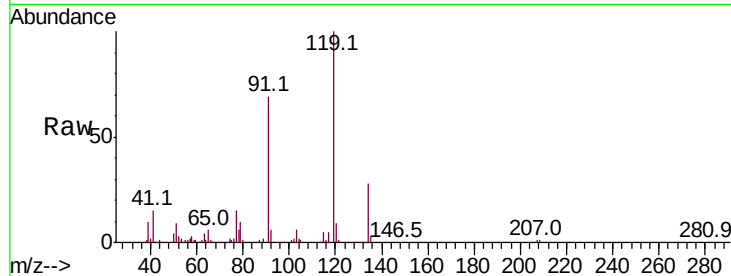
#83  
 tert-Butylbenzene  
 Concen: 4.669 ug/l  
 RT: 13.21 min Scan# 1854  
 Delta R.T. 0.00 min  
 Lab File: VW008638.D  
 Acq: 13 Feb 2019 14:19

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 69.5  | 34.0  | 102.0 |
| 134     | 27.0  | 13.6  | 40.8  |

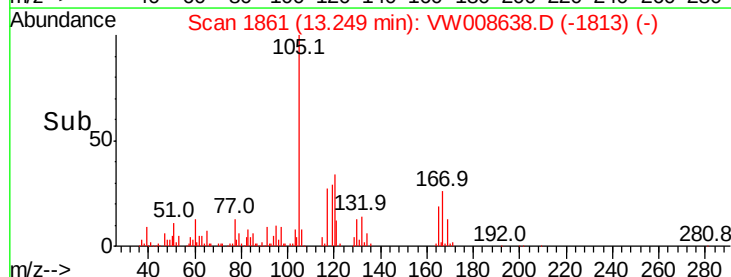
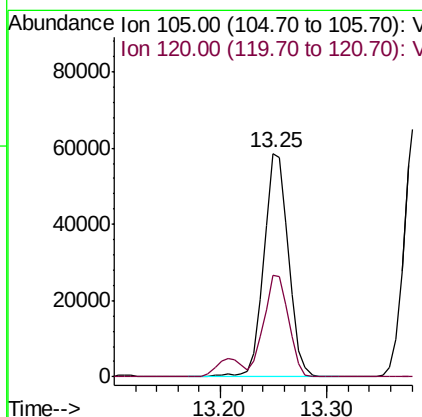
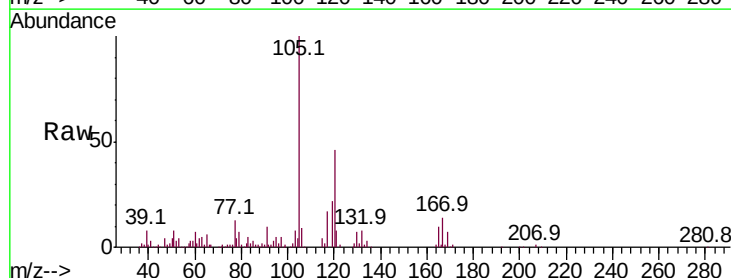
Manual Integrations  
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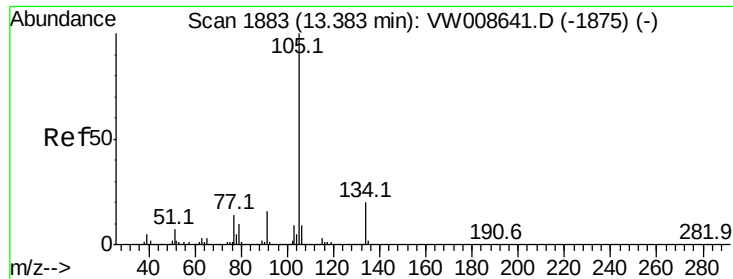
MMDadoda  
 2/14/2019 2:08:44 PM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 4.727 ug/l  
 RT: 13.25 min Scan# 1861  
 Delta R.T. -0.01 min  
 Lab File: VW008638.D  
 Acq: 13 Feb 2019 14:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.8  | 22.9  | 68.8  |





#85

sec-Butylbenzene

Concen: 4.685 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW008638.D

Acq: 13 Feb 2019 14:19

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 115402

Ion Ratio Lower Upper

105 100

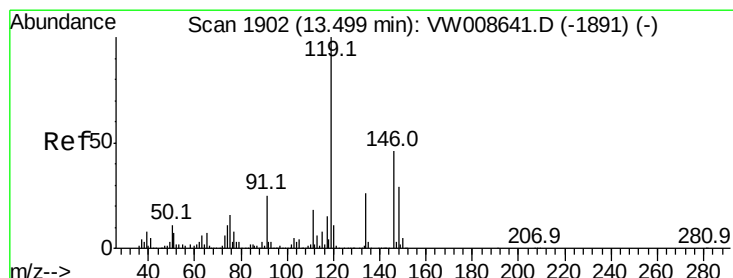
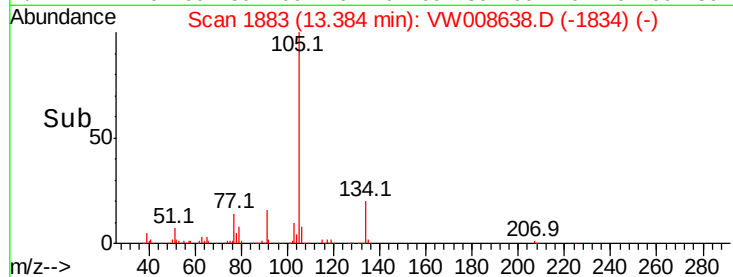
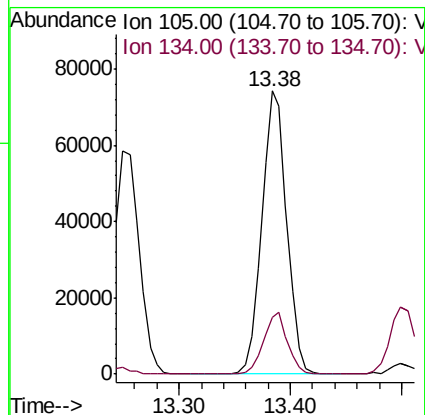
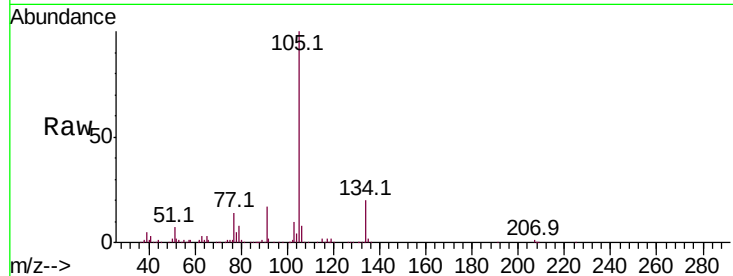
134 21.2 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 4.631 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008638.D

Acq: 13 Feb 2019 14:19

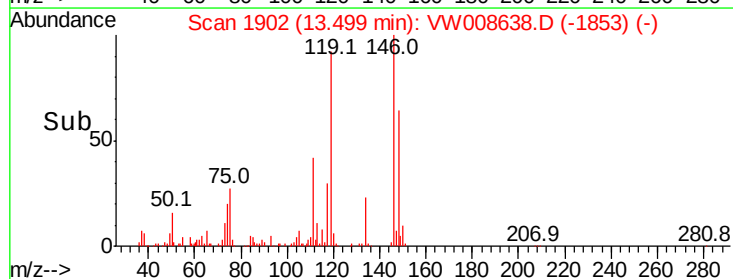
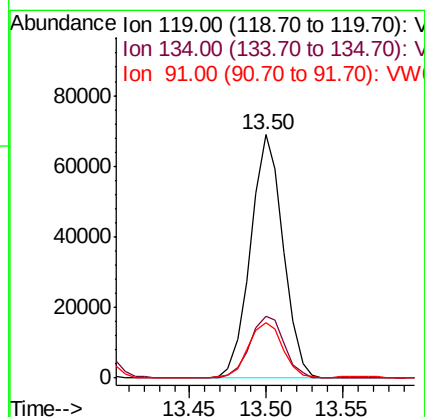
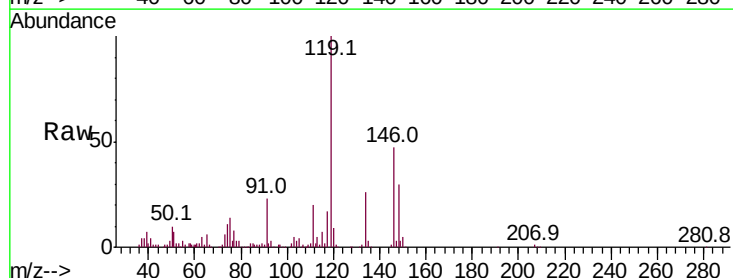
Tgt Ion:119 Resp: 102062

Ion Ratio Lower Upper

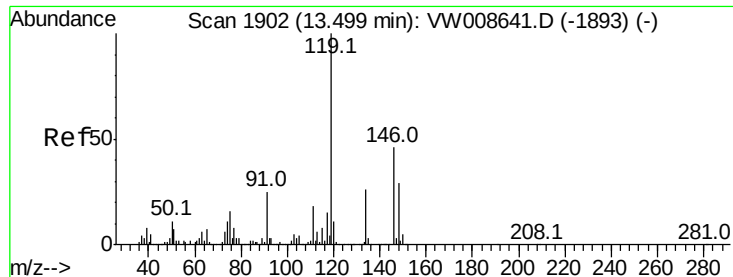
119 100

134 26.9 13.0 39.0

91 24.2 12.3 36.9







#87

1,3-Dichlorobenzene

Concen: 4.851 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008638.D

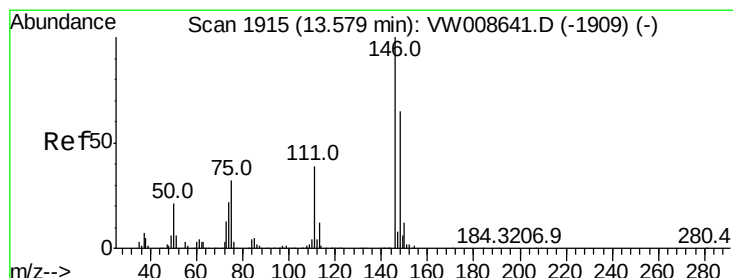
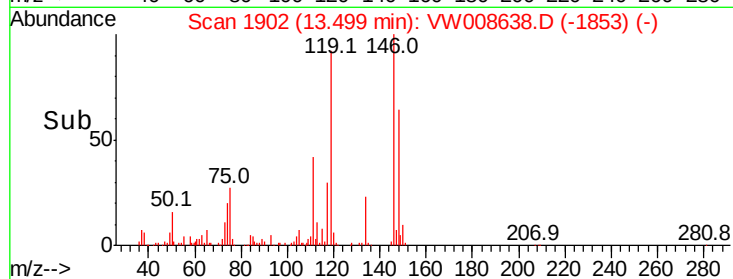
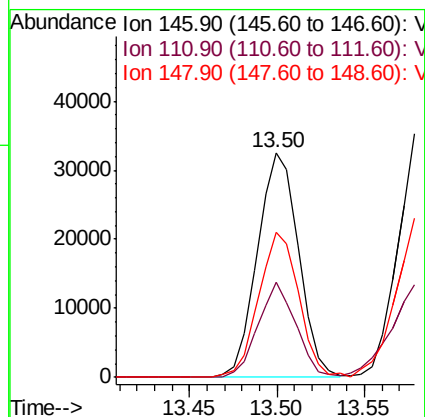
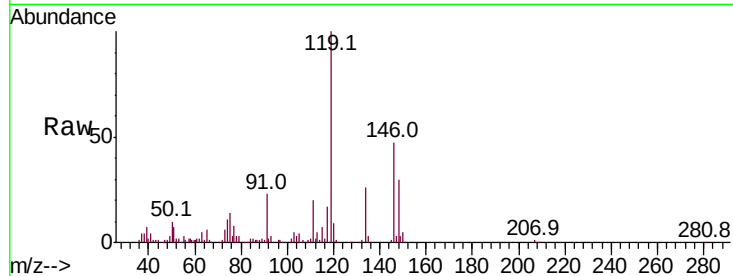
Acq: 13 Feb 2019 14:19

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.1  | 19.4  | 58.1  |
| 148     | 63.1  | 31.6  | 94.8  |

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#88

1,4-Dichlorobenzene

Concen: 4.962 ug/l

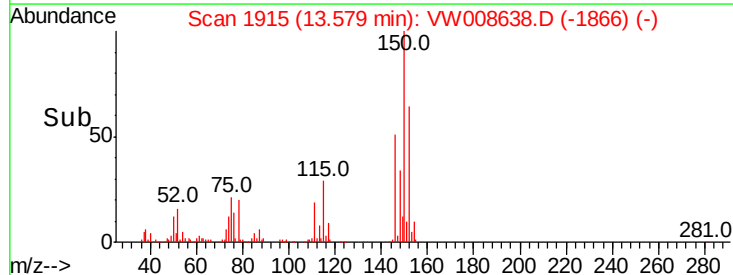
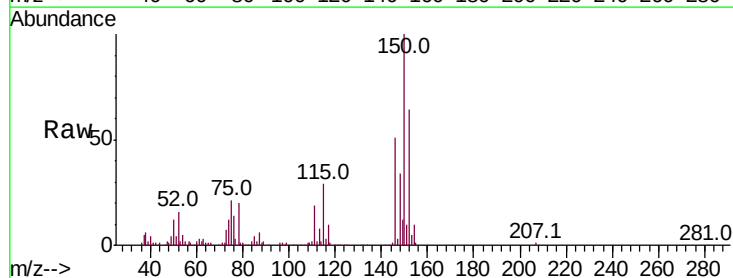
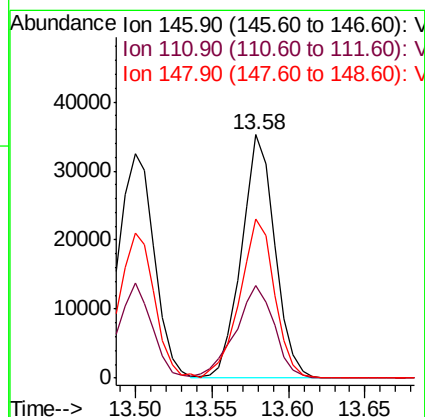
RT: 13.58 min Scan# 1915

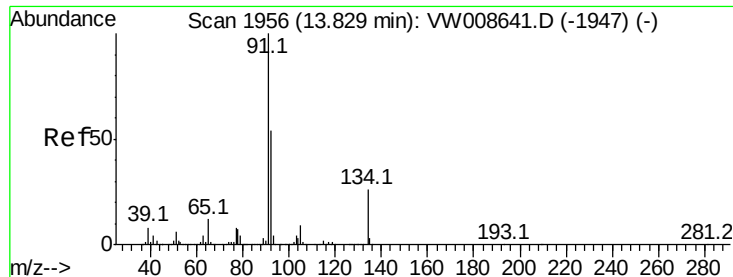
Delta R.T. 0.00 min

Lab File: VW008638.D

Acq: 13 Feb 2019 14:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 44.0  | 19.4  | 58.1  |
| 148     | 68.2  | 31.8  | 95.4  |





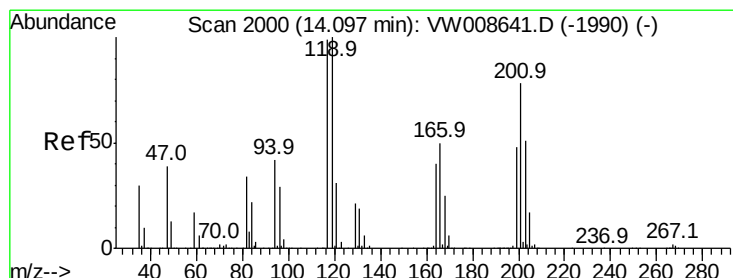
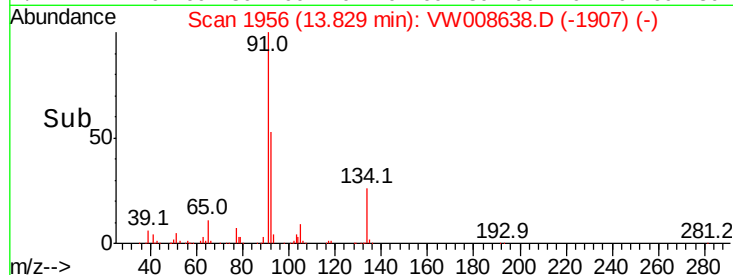
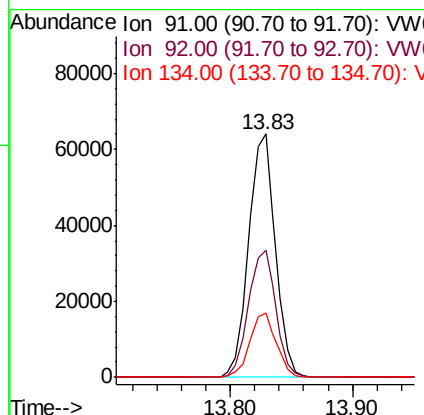
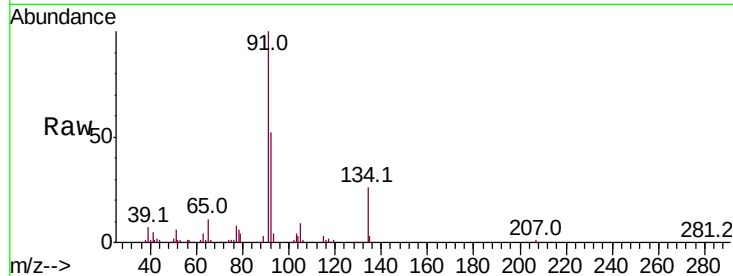
#89  
n-Butylbenzene  
Concen: 4.658 ug/l  
RT: 13.83 min Scan# 1956  
Delta R.T. 0.00 min  
Lab File: VW008638.D  
Acq: 13 Feb 2019 14:19

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 91      | 100  |       | 97544 |       |       |
| 92      | 53.5 | 26.8  | 80.4  |       |       |
| 134     | 26.3 | 13.0  | 39.0  |       |       |

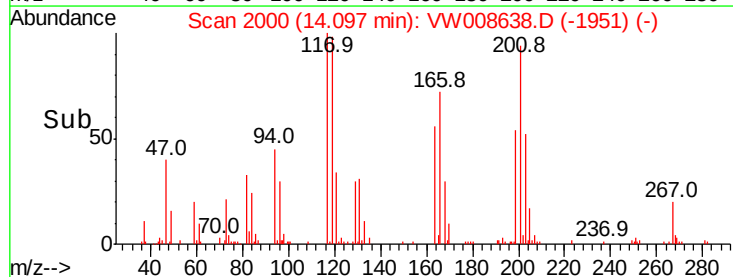
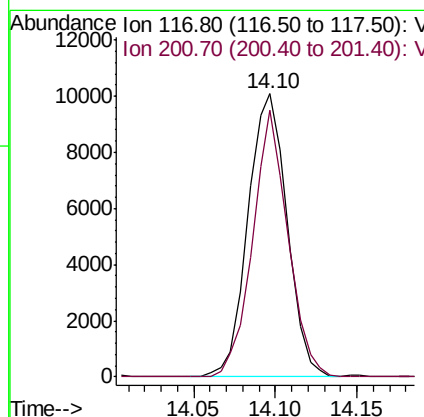
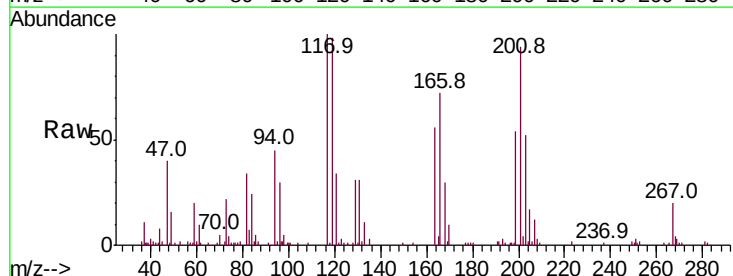
Manual Integrations  
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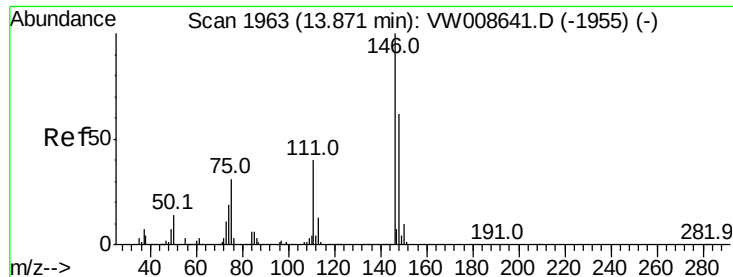
MMDadoda  
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#90  
Hexachloroethane  
Concen: 4.350 ug/l  
RT: 14.10 min Scan# 2000  
Delta R.T. 0.00 min  
Lab File: VW008638.D  
Acq: 13 Feb 2019 14:19

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 117     | 100  |       | 16750 |       |       |
| 201     | 85.1 | 38.7  | 116.1 |       |       |





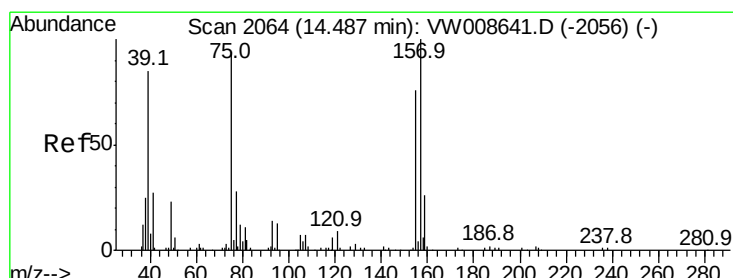
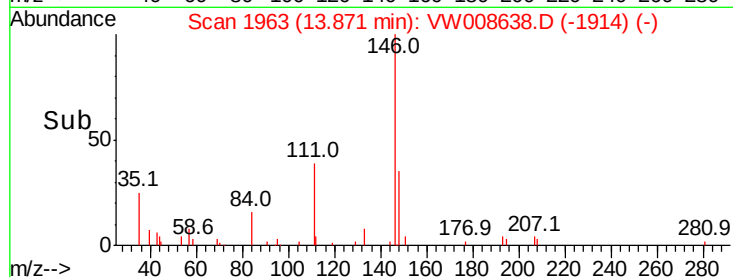
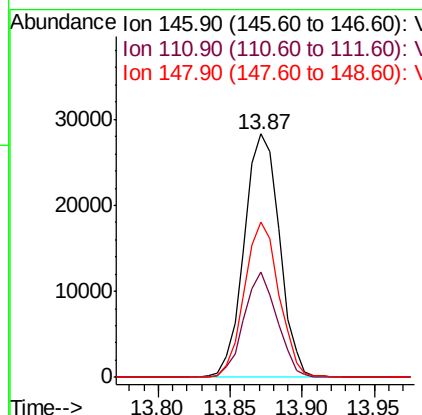
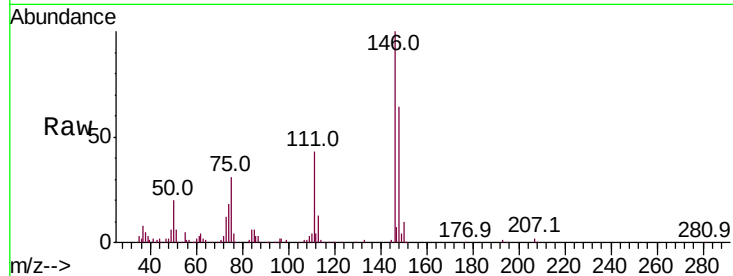
#91  
 1,2-Dichlorobenzene  
 Concen: 4.951 ug/l  
 RT: 13.87 min Scan# 1963  
 Delta R.T. 0.00 min  
 Lab File: VW008638.D  
 Acq: 13 Feb 2019 14:19

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.9  | 20.5  | 61.5  |
| 148     | 62.5  | 31.6  | 94.8  |

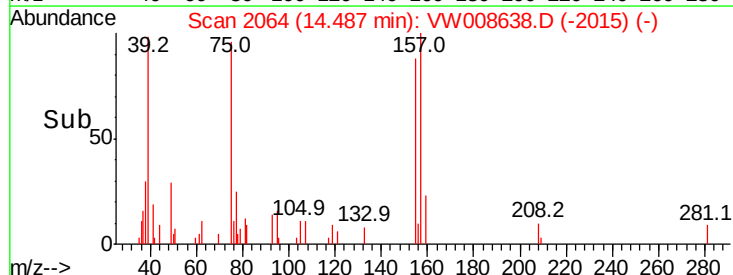
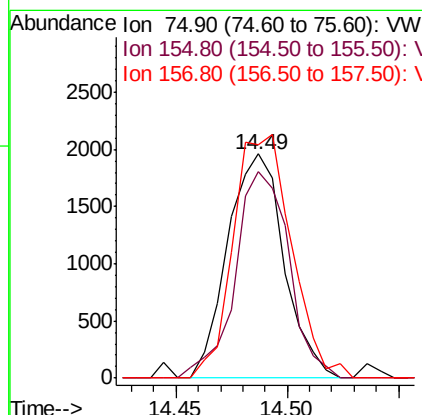
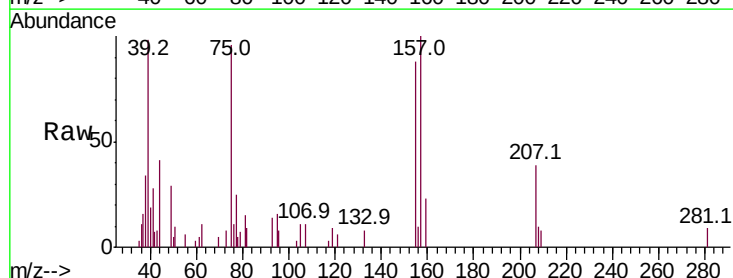
Manual Integrations  
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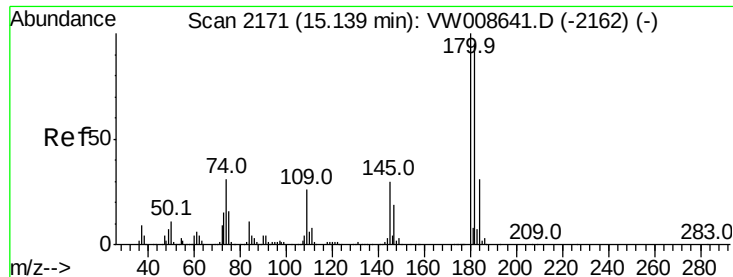
MMDadoda  
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 4.863 ug/l  
 RT: 14.49 min Scan# 2064  
 Delta R.T. 0.00 min  
 Lab File: VW008638.D  
 Acq: 13 Feb 2019 14:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 88.1  | 41.8  | 125.4 |
| 157     | 112.4 | 53.8  | 161.4 |





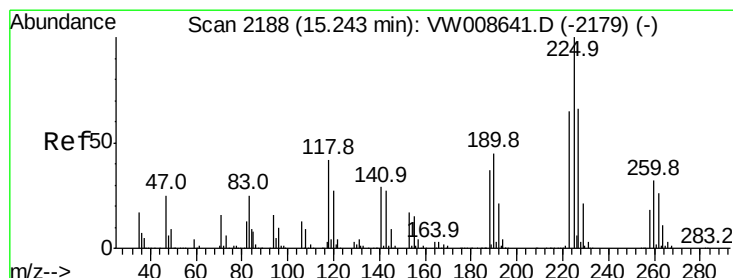
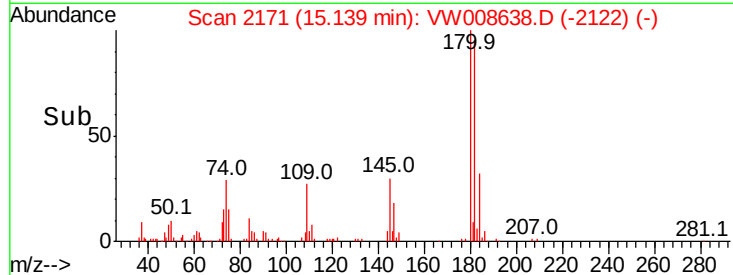
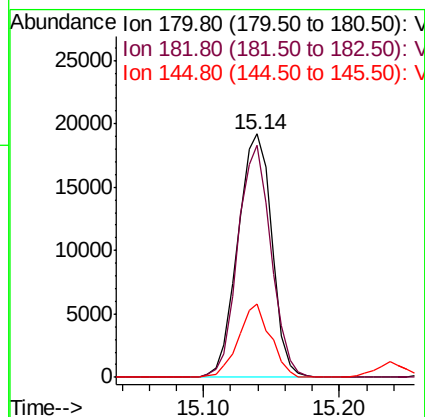
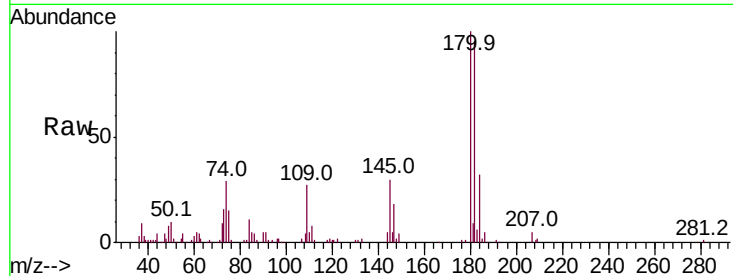
#93  
 1,2,4-Trichlorobenzene  
 Concen: 4.858 ug/l  
 RT: 15.14 min Scan# 2171  
 Delta R.T. 0.00 min  
 Lab File: VW008638.D  
 Acq: 13 Feb 2019 14:19

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 180     | 100   |      |       |       |
| 182     | 92.5  | 47.5 | 142.5 |       |
| 145     | 28.4  | 15.1 | 45.3  |       |

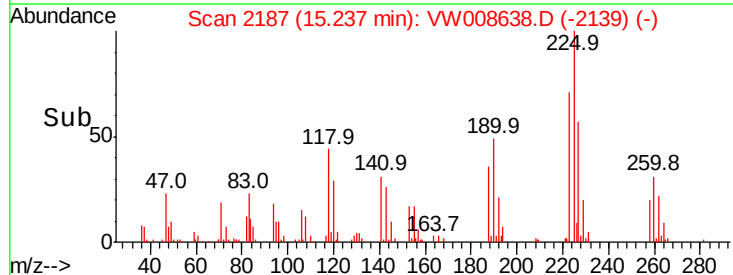
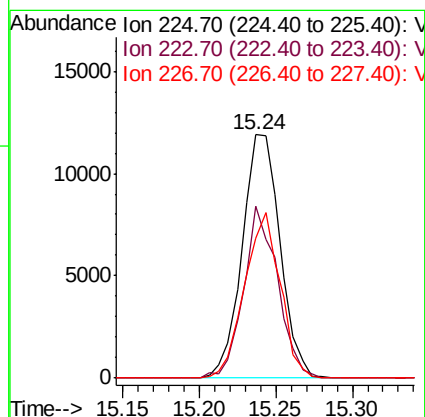
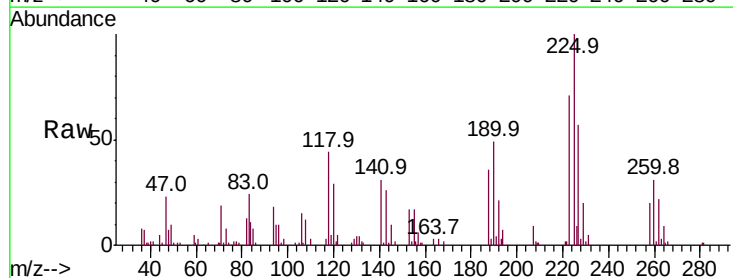
Manual Integrations  
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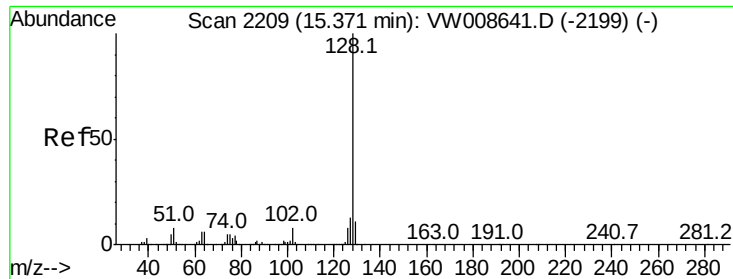
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#94  
 Hexachlorobutadiene  
 Concen: 5.113 ug/l  
 RT: 15.24 min Scan# 2187  
 Delta R.T. -0.01 min  
 Lab File: VW008638.D  
 Acq: 13 Feb 2019 14:19

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 63.0  | 31.4 | 94.3  |       |
| 227     | 63.8  | 32.4 | 97.0  |       |





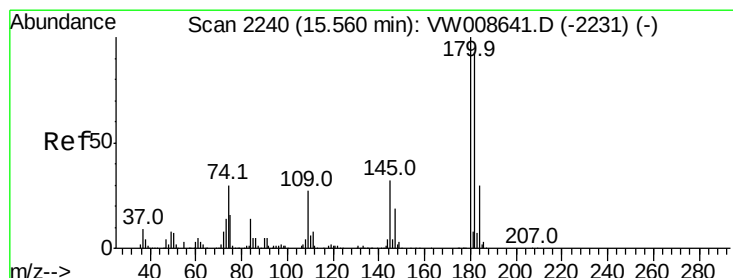
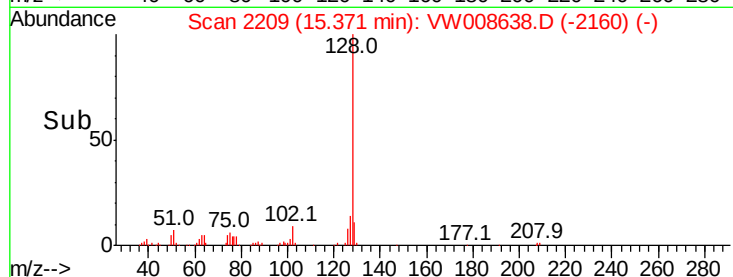
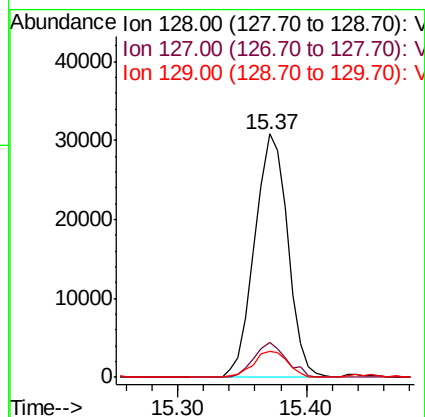
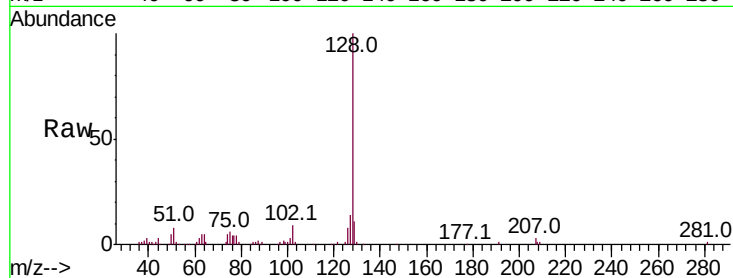
#95  
Naphthalene  
Concen: 4.433 ug/l  
RT: 15.37 min Scan# 2209  
Delta R.T. 0.00 min  
Lab File: VW008638.D  
Acq: 13 Feb 2019 14:19

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 14.1  | 10.9  | 16.3  |
| 129     | 11.2  | 8.7   | 13.1  |

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 4.886 ug/l  
RT: 15.57 min Scan# 2241  
Delta R.T. 0.01 min  
Lab File: VW008638.D  
Acq: 13 Feb 2019 14:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.1  | 47.5  | 142.5 |
| 145     | 30.4  | 15.9  | 47.7  |

