

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022119\  
 Data File : VW008763.D  
 Acq On : 21 Feb 2019 10:56  
 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  
 2/22/2019 12:24:57 PM

Quant Time: Feb 22 00:29:13 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W022119S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 22 00:19:35 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 344970   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 492865   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 473720   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 265365   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.30  | 65   | 15907    | 4.92 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =    | 9.84%  |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 15412    | 5.21 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =    | 10.42% |          |
| 50) Toluene-d8              | 10.32 | 98   | 56822    | 4.97 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =    | 9.94%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 22788    | 5.09 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =    | 10.18% |          |

| Target Compounds              | R.T. | QIon | Response | Conc   | Units  | Qvalue |
|-------------------------------|------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.00 | 85   | 18191    | 5.265  | ug/l   | 98     |
| 3) Chloromethane              | 2.21 | 50   | 21927    | 5.213  | ug/l   | 94     |
| 4) Vinyl Chloride             | 2.36 | 62   | 20702    | 4.649  | ug/l   | 90     |
| 5) Bromomethane               | 2.76 | 94   | 17431    | 5.270  | ug/l   | 95     |
| 6) Chloroethane               | 2.92 | 64   | 16858    | 5.331  | ug/l # | 88     |
| 7) Trichlorofluoromethane     | 3.26 | 101  | 27221    | 4.833  | ug/l   | 98     |
| 8) Diethyl Ether              | 3.69 | 74   | 8709     | 4.884  | ug/l   | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.07 | 101  | 16675    | 4.876  | ug/l   | 98     |
| 10) Methyl Iodide             | 4.27 | 142  | 17106    | 4.000  | ug/l   | 98     |
| 11) Tert butyl alcohol        | 5.15 | 59   | 7239     | 25.761 | ug/l # | 87     |
| 12) 1,1-Dichloroethene        | 4.03 | 96   | 14839    | 4.913  | ug/l   | 95     |
| 13) Acrolein                  | 3.90 | 56   | 5906     | 21.682 | ug/l   | 99     |
| 14) Allyl chloride            | 4.67 | 41   | 23068    | 4.425  | ug/l   | 93     |
| 15) Acrylonitrile             | 5.37 | 53   | 17617    | 23.022 | ug/l   | 94     |
| 16) Acetone                   | 4.14 | 43   | 18196    | 24.262 | ug/l   | 91     |
| 17) Carbon Disulfide          | 4.38 | 76   | 46326    | 4.623  | ug/l   | 96     |
| 18) Methyl Acetate            | 4.68 | 43   | 10180    | 5.723  | ug/l   | 95     |
| 19) Methyl tert-butyl Ether   | 5.43 | 73   | 37482    | 4.585  | ug/l   | 99     |
| 20) Methylene Chloride        | 4.92 | 84   | 31115    | 7.037  | ug/l # | 86     |
| 21) trans-1,2-Dichloroethene  | 5.43 | 96   | 17129    | 4.903  | ug/l   | 85     |
| 22) Diisopropyl ether         | 6.31 | 45   | 46972    | 4.517  | ug/l   | 91     |
| 23) Vinyl Acetate             | 6.26 | 43   | 132119   | 20.563 | ug/l   | 96     |
| 24) 1,1-Dichloroethane        | 6.22 | 63   | 28774    | 4.775  | ug/l   | 99     |
| 25) 2-Butanone                | 7.17 | 43   | 22807    | 21.752 | ug/l   | 91     |
| 26) 2,2-Dichloropropane       | 7.17 | 77   | 28267    | 5.167  | ug/l   | 97     |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96   | 17942    | 4.801  | ug/l   | 99     |
| 28) Bromochloromethane        | 7.51 | 49   | 12535    | 4.971  | ug/l # | 13     |
| 29) Tetrahydrofuran           | 7.54 | 42   | 15064    | 22.545 | ug/l   | 98     |
| 30) Chloroform                | 7.68 | 83   | 29975    | 4.849  | ug/l   | 92     |
| 31) Cyclohexane               | 7.95 | 56   | 33367    | 5.470  | ug/l # | 85     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97   | 26890    | 4.783  | ug/l   | 97     |
| 36) 1,1-Dichloropropene       | 8.09 | 75   | 23522    | 4.903  | ug/l   | 98     |
| 37) Ethyl Acetate             | 7.26 | 43   | 9535     | 4.274  | ug/l # | 78     |
| 38) Carbon Tetrachloride      | 8.07 | 117  | 24802    | 4.902  | ug/l   | 96     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022119\  
 Data File : VW008763.D  
 Acq On : 21 Feb 2019 10:56  
 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  
 2/22/2019 12:24:57 PM

Quant Time: Feb 22 00:29:13 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W022119S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 22 00:19:35 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 28162    | 4.706  | ug/l   | 90       |
| 40) Benzene                    | 8.32  | 78   | 63445    | 4.843  | ug/l   | 97       |
| 41) Methacrylonitrile          | 7.50  | 41   | 7206     | 5.495  | ug/l   | 87       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 19562    | 4.714  | ug/l   | 94       |
| 43) Isopropyl Acetate          | 8.42  | 43   | 20085    | 4.511  | ug/l # | 97       |
| 44) Trichloroethene            | 9.09  | 130  | 18248    | 4.945  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 16072    | 4.965  | ug/l   | 89       |
| 46) Dibromomethane             | 9.46  | 93   | 8707     | 4.836  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.64  | 83   | 20301    | 4.634  | ug/l   | 91       |
| 48) Methyl methacrylate        | 9.44  | 41   | 9941     | 4.661  | ug/l   | 93       |
| 49) 1,4-Dioxane                | 9.45  | 88   | 2740     | 95.026 | ug/l # | 87       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 51574    | 22.814 | ug/l   | 97       |
| 52) Toluene                    | 10.39 | 92   | 44078    | 4.958  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.60 | 75   | 19662    | 4.403  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 22308    | 4.380  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 11594    | 4.748  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 13336    | 4.204  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 20952    | 4.860  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.92  | 63   | 35505    | 22.252 | ug/l   | 97       |
| 59) 2-Hexanone                 | 10.97 | 43   | 33549    | 20.848 | ug/l   | 94       |
| 60) Dibromochloromethane       | 11.13 | 129  | 13412    | 4.503  | ug/l   | 95       |
| 61) 1,2-Dibromoethane          | 11.23 | 107  | 11144    | 4.611  | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.86 | 164  | 16710    | 4.928  | ug/l   | 95       |
| 65) Chlorobenzene              | 11.66 | 112  | 48931    | 4.912  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 15637    | 4.643  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.73 | 91   | 84919    | 4.769  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.84 | 106  | 68867    | 9.679  | ug/l   | 96       |
| 69) o-Xylene                   | 12.17 | 106  | 31918    | 4.780  | ug/l   | 99       |
| 70) Styrene                    | 12.18 | 104  | 48894    | 4.551  | ug/l   | 97       |
| 71) Bromoform                  | 12.35 | 173  | 8127     | 4.489  | ug/l # | 94       |
| 73) Isopropylbenzene           | 12.47 | 105  | 83525    | 4.591  | ug/l   | 98       |
| 74) N-amyl acetate             | 12.27 | 43   | 19337    | 4.220  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.72 | 83   | 14386    | 4.840  | ug/l   | 92       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 11869m   | 5.170  | ug/l   |          |
| 77) Bromobenzene               | 12.75 | 156  | 21388    | 4.975  | ug/l   | 93       |
| 78) n-propylbenzene            | 12.80 | 91   | 103259   | 4.640  | ug/l   | 96       |
| 79) 2-Chlorotoluene            | 12.89 | 91   | 60307    | 4.773  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 71874    | 4.546  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 12.51 | 75   | 3744     | 4.154  | ug/l   | 89       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 63535    | 4.772  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.21 | 119  | 61478    | 4.497  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.26 | 105  | 74859    | 4.574  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.38 | 105  | 90796    | 4.619  | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 13.50 | 119  | 82366    | 4.571  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.50 | 146  | 43970    | 4.930  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 43318    | 4.928  | ug/l   | 89       |
| 89) n-Butylbenzene             | 13.83 | 91   | 77163    | 4.571  | ug/l   | 100      |
| 90) Hexachloroethane           | 14.10 | 117  | 13116    | 4.446  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 39354    | 4.952  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 2505     | 4.659  | ug/l   | 87       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022119\  
Data File : VW008763.D  
Acq On : 21 Feb 2019 10:56  
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

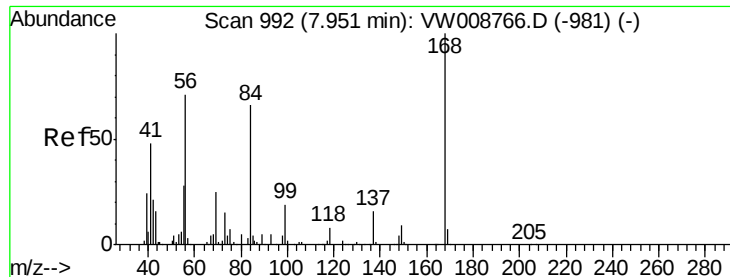
MMDadoda  
2/22/2019 12:24:57 PM

Quant Time: Feb 22 00:29:13 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W022119S.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 22 00:19:35 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.14 | 180  | 26330    | 4.598 | ug/l  | 96       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 16323    | 4.839 | ug/l  | 94       |
| 95) Naphthalene            | 15.37 | 128  | 41358    | 4.242 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.57 | 180  | 23648    | 4.776 | ug/l  | 97       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008763.D

Acq: 21 Feb 2019 10:56

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 344970

Ion Ratio Lower Upper

168 100

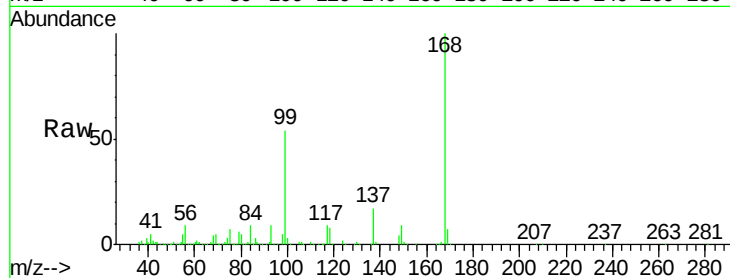
99 54.3 42.2 63.2

Manual Integrations

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2/22/2019 12:24:57 PM



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

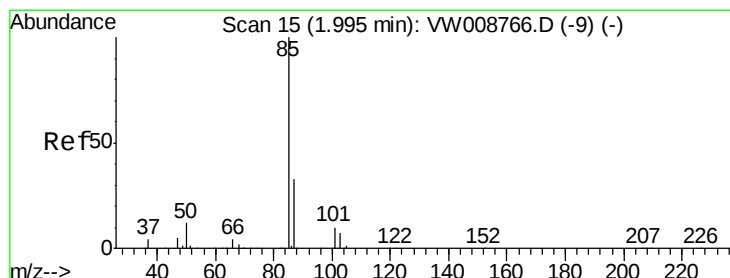
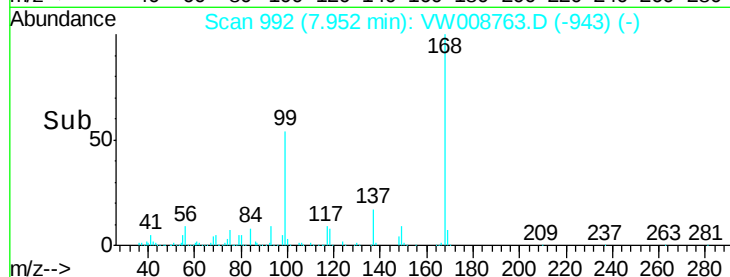
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.265 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW008763.D

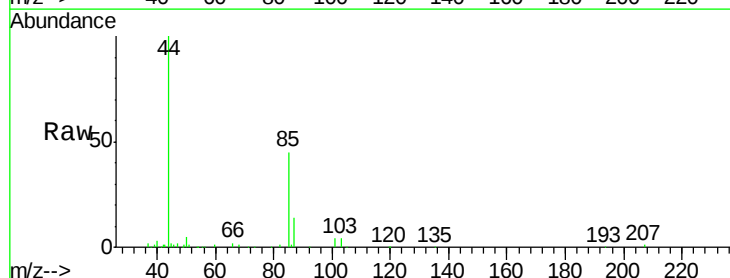
Acq: 21 Feb 2019 10:56

Tgt Ion: 85 Resp: 18191

Ion Ratio Lower Upper

85 100

87 31.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

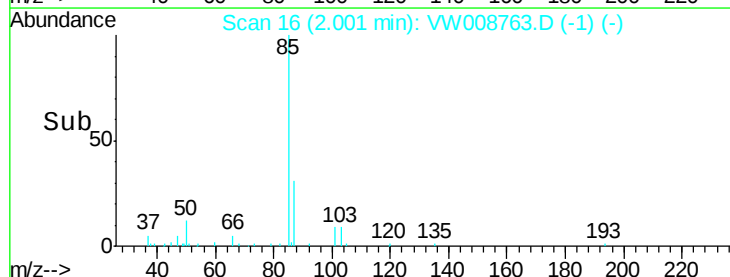
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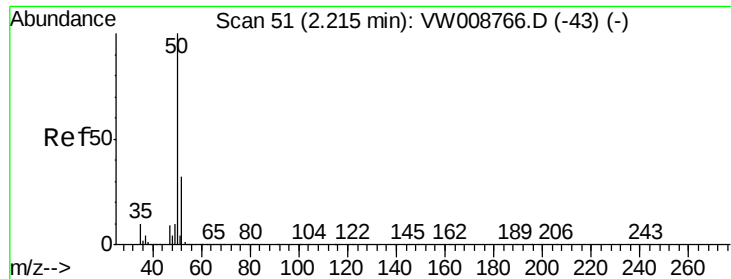
10000

5000

0

Time-->





#3

Chloromethane

Concen: 5.213 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008763.D

Acq: 21 Feb 2019 10:56

Instrument :

MSVOA\_W

ClientSampled :

VSTDIC005

Tot Ion: 50 Resp: 21927

Ion Ratio Lower Upper

50 100

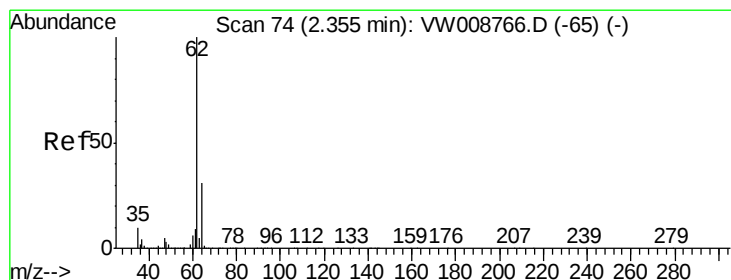
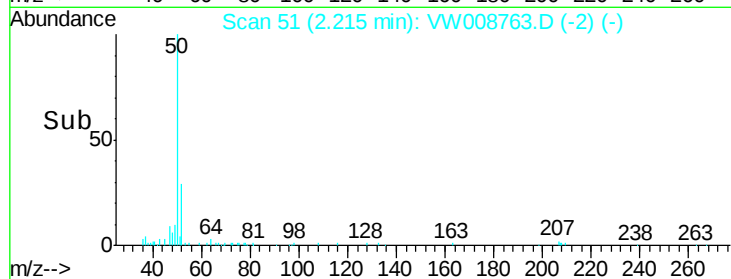
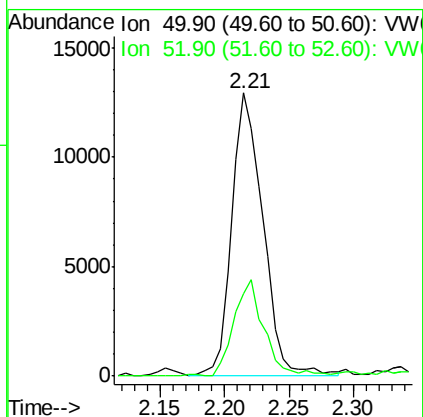
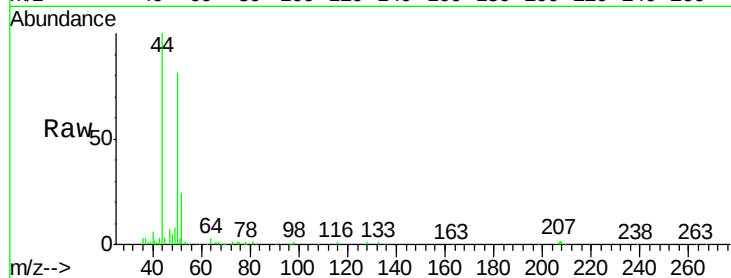
52 28.8 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

2/22/2019 12:24:57 PM



#4

Vinyl Chloride

Concen: 4.649 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW008763.D

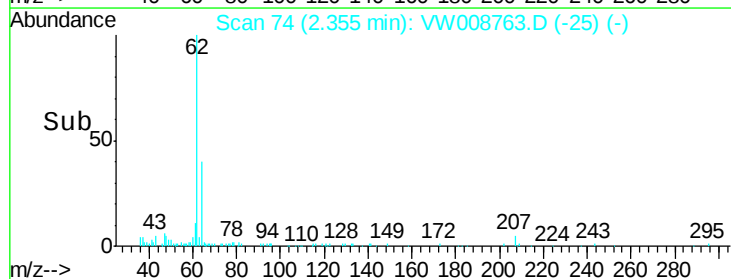
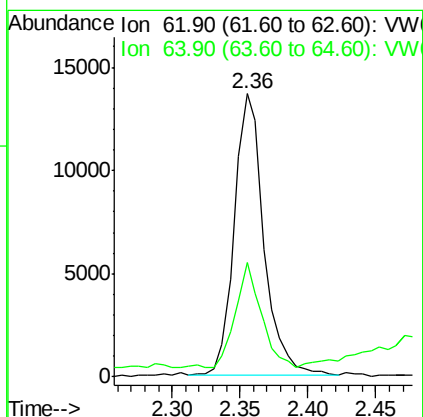
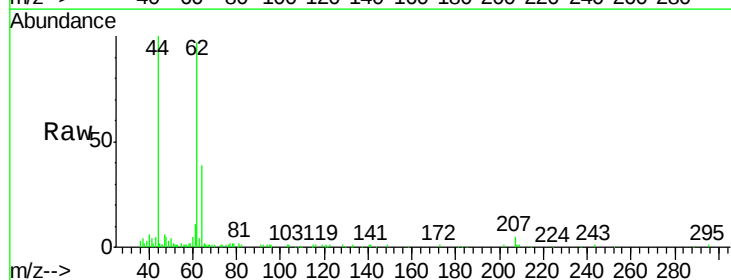
Acq: 21 Feb 2019 10:56

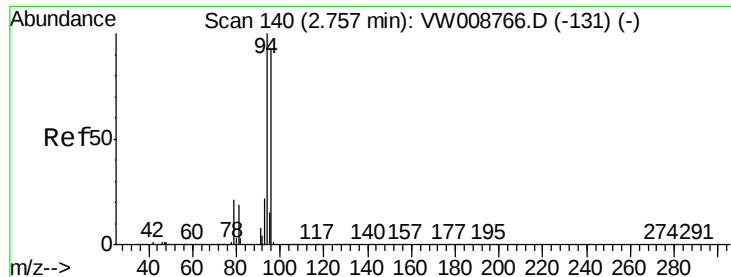
Tgt Ion: 62 Resp: 20702

Ion Ratio Lower Upper

62 100

64 36.7 24.9 37.3





#5

Bromomethane

Concen: 5.270 ug/l

RT: 2.76 min Scan# 140

Delta R.T. 0.00 min

Lab File: VW008763.D

Acq: 21 Feb 2019 10:56

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 17431

Ion Ratio Lower Upper

94 100

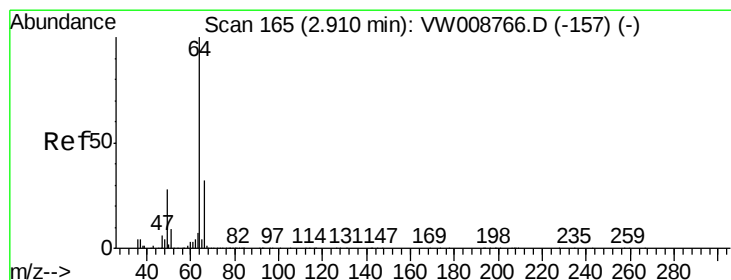
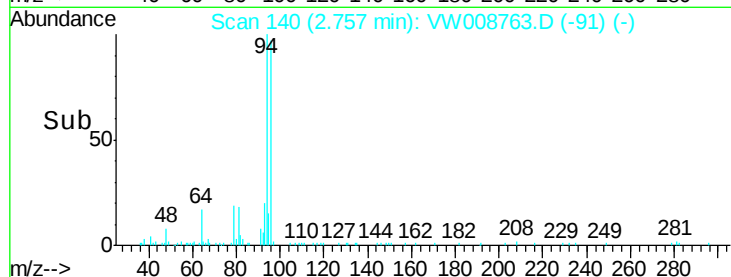
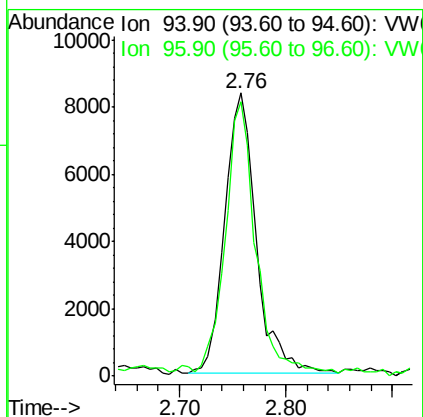
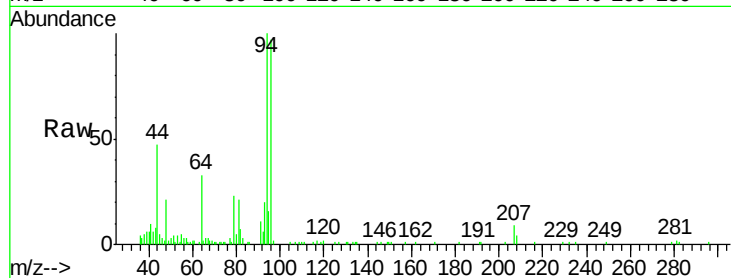
96 96.7 73.4 110.2

Manual Integrations

APPROVED

MMDadoda

2/22/2019 12:24:57 PM



#6

Chloroethane

Concen: 5.331 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.01 min

Lab File: VW008763.D

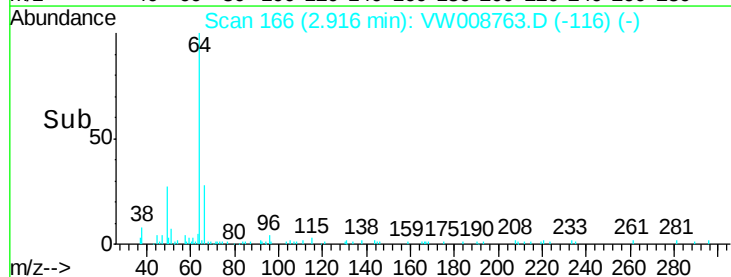
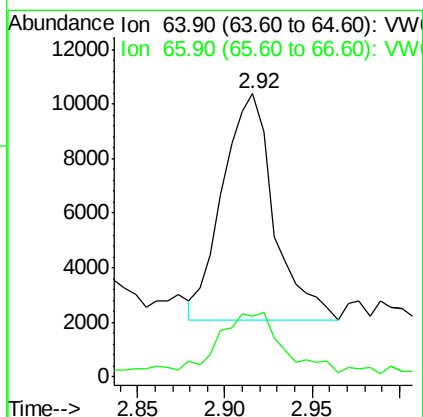
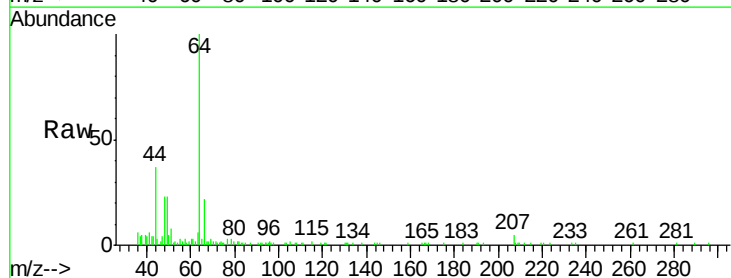
Acq: 21 Feb 2019 10:56

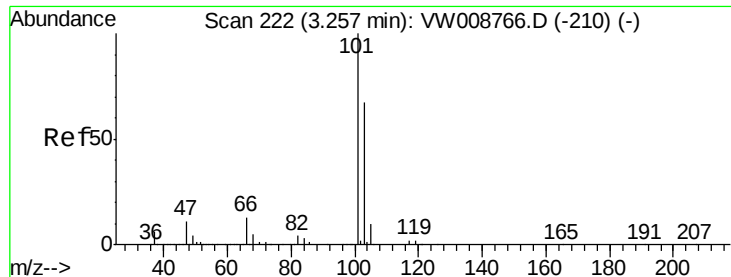
Tgt Ion: 64 Resp: 16858

Ion Ratio Lower Upper

64 100

66 25.1 25.5 38.3#





#7

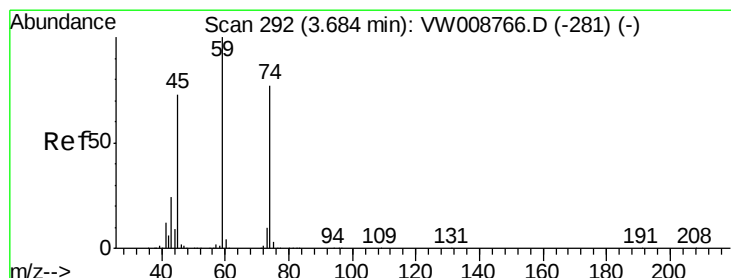
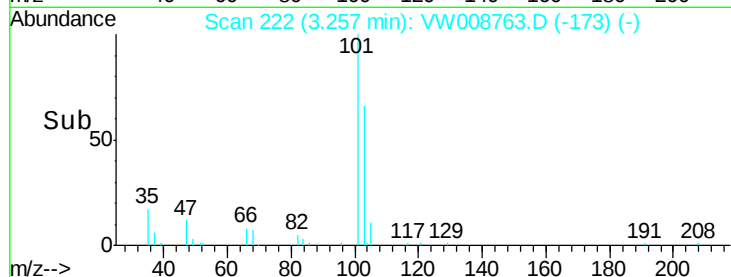
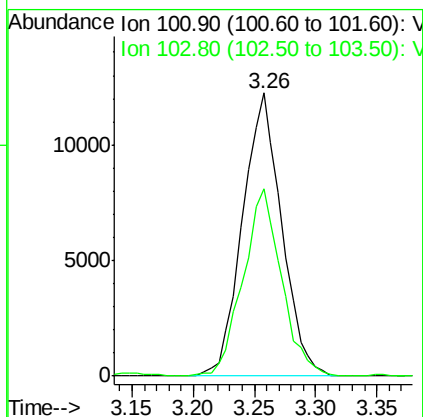
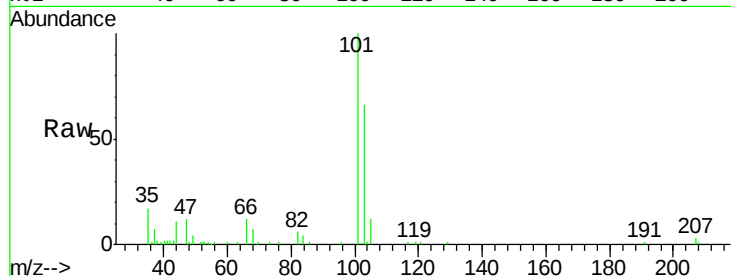
Trichlorofluoromethane  
Concen: 4.833 ug/l  
RT: 3.26 min Scan# 222  
Delta R.T. 0.00 min  
Lab File: VW008763.D  
Acq: 21 Feb 2019 10:56

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 66.1  | 53.9  | 80.9  |

Manual Integrations  
APPROVED

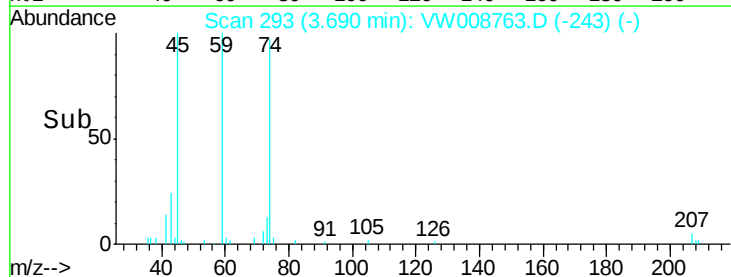
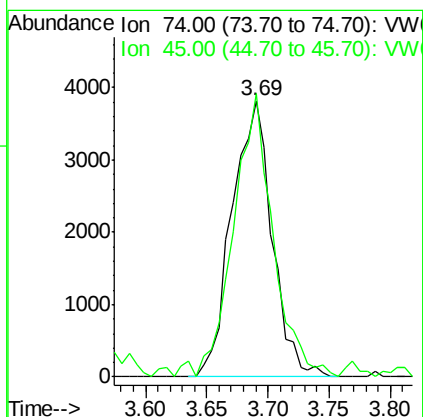
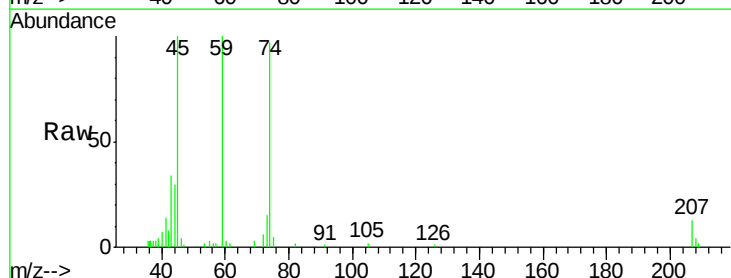
MMDadoda  
2/22/2019 12:24:57 PM



#8

Diethyl Ether  
Concen: 4.884 ug/l  
RT: 3.69 min Scan# 293  
Delta R.T. 0.01 min  
Lab File: VW008763.D  
Acq: 21 Feb 2019 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 101.3 | 50.2  | 150.6 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.876 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW008763.D

Acq: 21 Feb 2019 10:56

Instrument :

MSVOA\_W

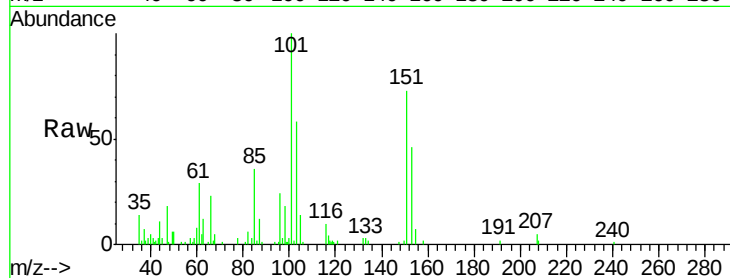
ClientSampleId :

VSTDIC005

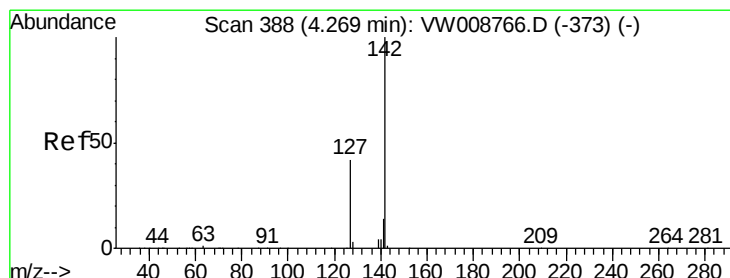
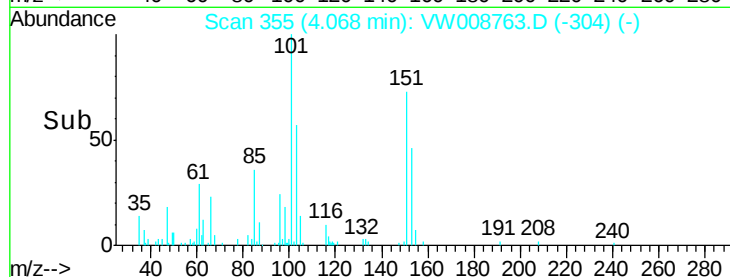
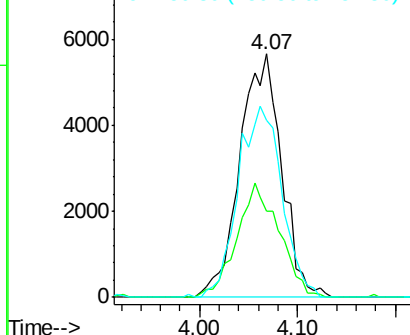
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 16675 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 47.8  | 36.0  | 54.0  |
| 151       | 82.8  | 65.5  | 98.3  |

Manual Integrations  
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Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 84.90 (84.60 to 85.60): V  
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.000 ug/l

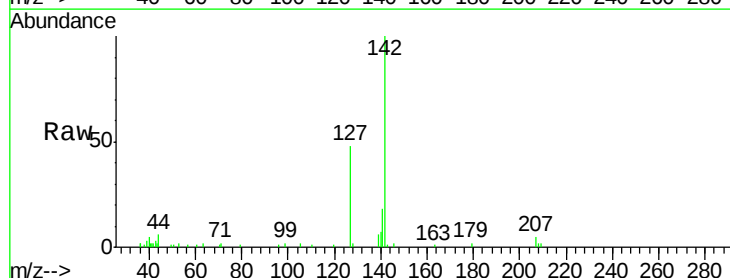
RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

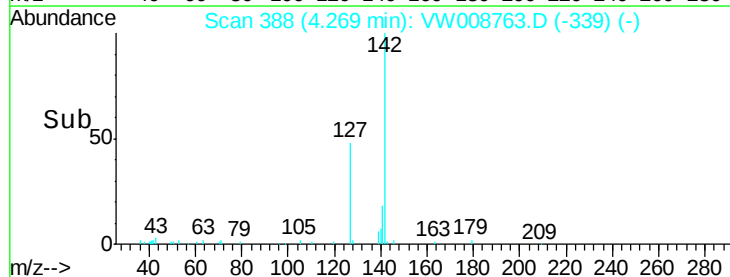
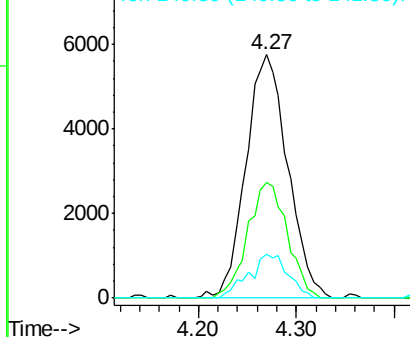
Lab File: VW008763.D

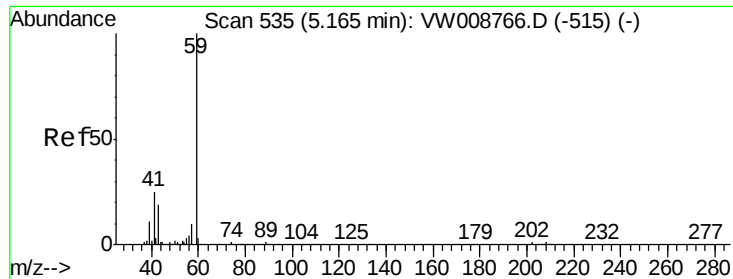
Acq: 21 Feb 2019 10:56

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 17106 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 44.8  | 35.3  | 52.9  |
| 141       | 17.0  | 11.7  | 17.5  |



Abundance Ion 141.80 (141.50 to 142.50): V  
Ion 126.80 (126.50 to 127.50): V  
Ion 140.80 (140.50 to 141.50): V





#11

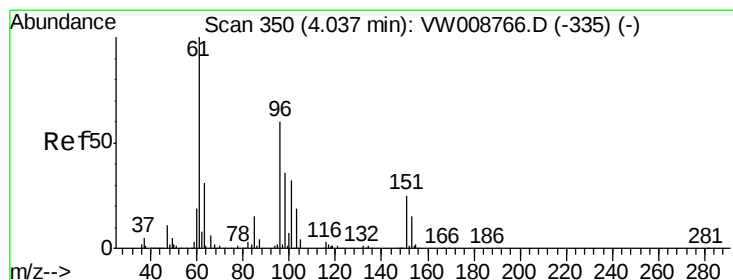
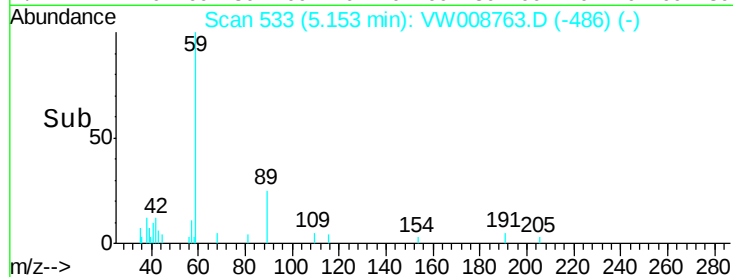
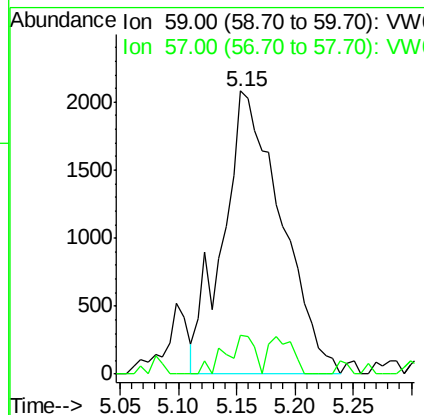
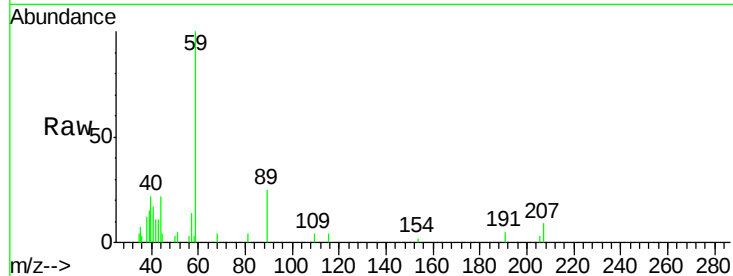
Tert butyl alcohol  
Concen: 25.761 ug/l  
RT: 5.15 min Scan# 533  
Delta R.T. -0.01 min  
Lab File: VW008763.D  
Acq: 21 Feb 2019 10:56

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 6.6   | 9.3   | 13.9# |

Manual Integrations  
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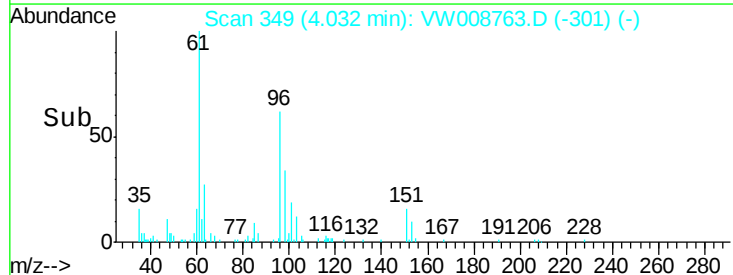
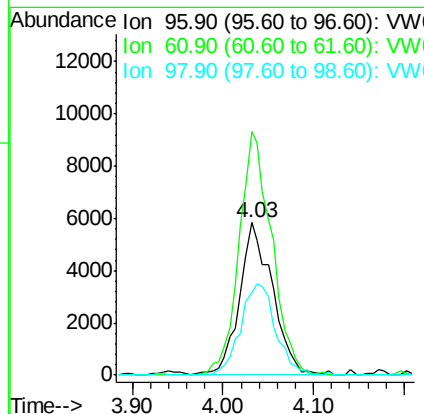
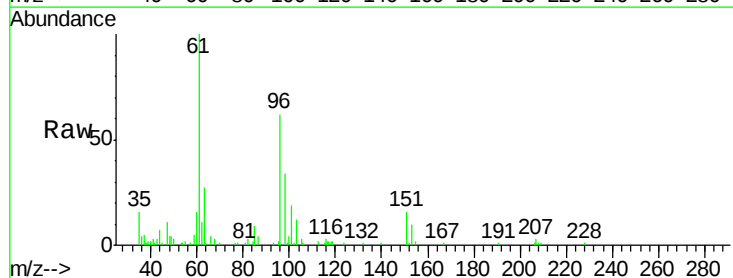
MMDadoda  
2/22/2019 12:24:57 PM

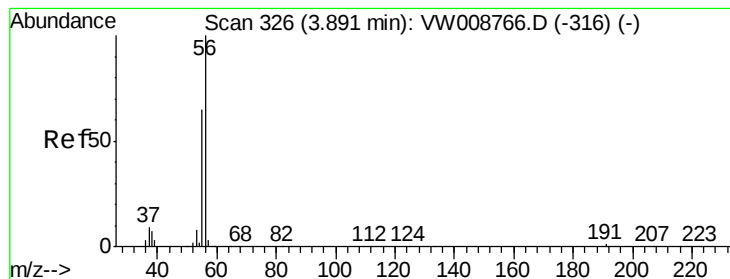


#12

1,1-Dichloroethene  
Concen: 4.913 ug/l  
RT: 4.03 min Scan# 349  
Delta R.T. -0.01 min  
Lab File: VW008763.D  
Acq: 21 Feb 2019 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 160.1 | 132.5 | 198.7 |
| 98      | 53.9  | 48.2  | 72.4  |





#13

Acrolein

Concen: 21.682 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW008763.D

Acq: 21 Feb 2019 10:56

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 5906

Ion Ratio Lower Upper

56 100

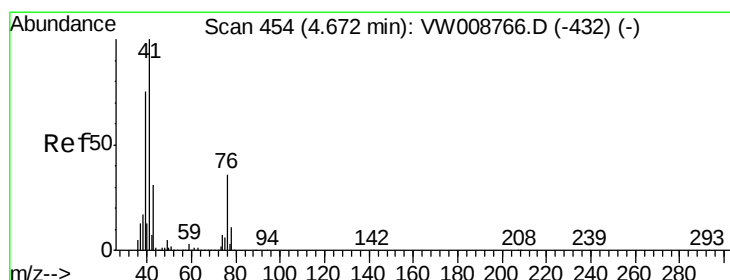
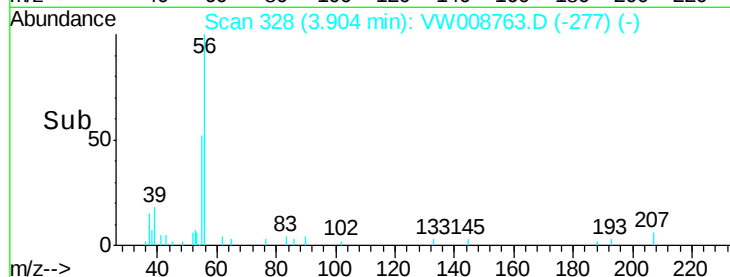
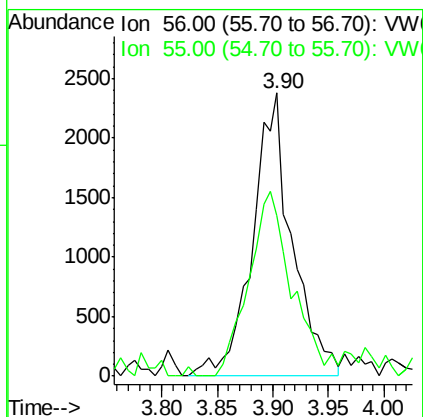
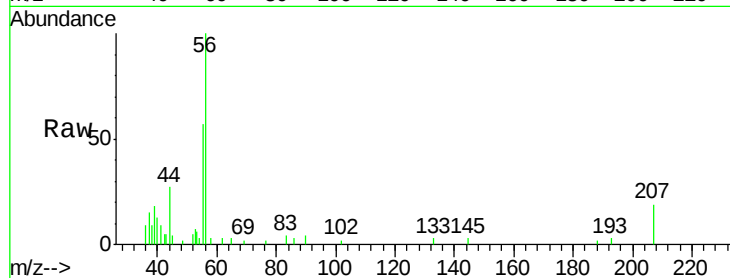
55 70.0 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 4.425 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW008763.D

Acq: 21 Feb 2019 10:56

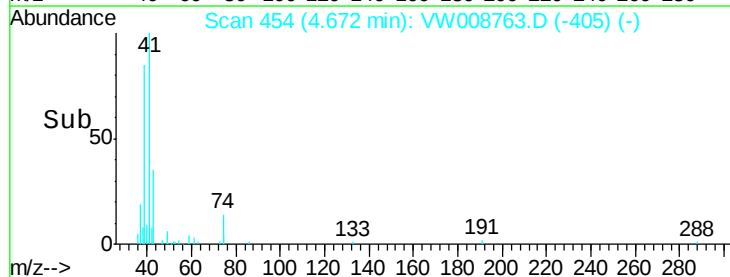
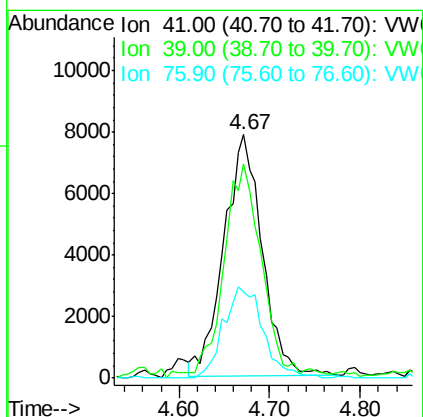
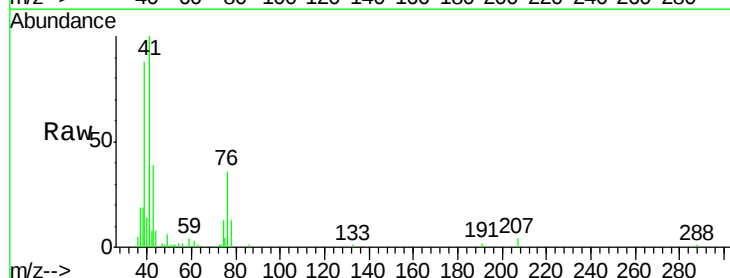
Tgt Ion: 41 Resp: 23068

Ion Ratio Lower Upper

41 100

39 81.9 60.6 91.0

76 39.1 28.6 42.8





#15

Acrylonitrile

Concen: 23.022 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW008763.D

Acq: 21 Feb 2019 10:56

Instrument :

MSVOA\_W

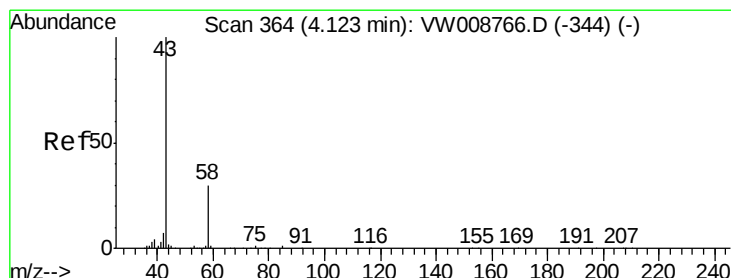
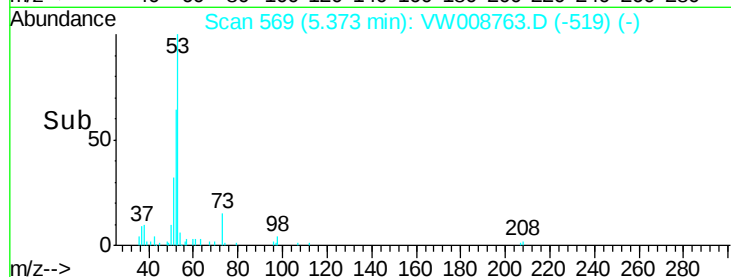
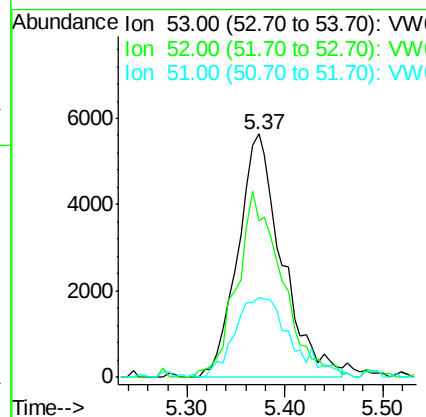
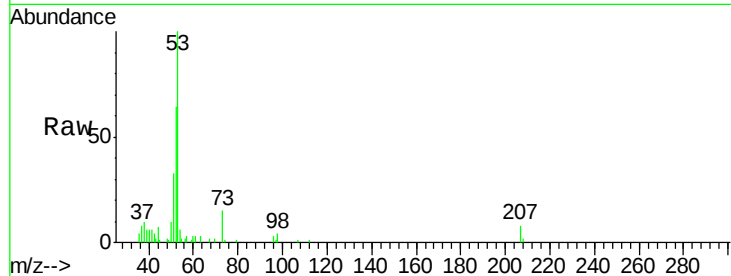
ClientSampleId :

VSTDIC005

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 53    | Resp: | 17617 |
| Ion Ratio | Lower | Upper |       |
| 53        | 100   |       |       |
| 52        | 77.9  | 67.2  | 100.8 |
| 51        | 41.9  | 31.1  | 46.7  |

Manual Integrations  
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#16

Acetone

Concen: 24.262 ug/l

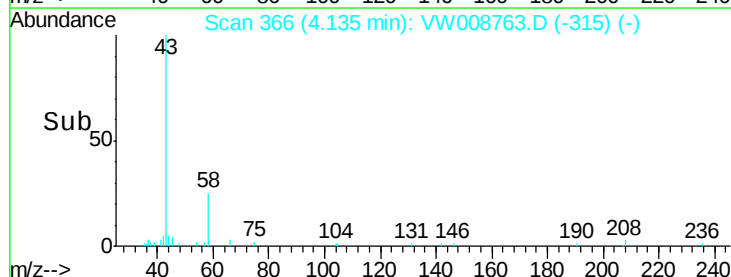
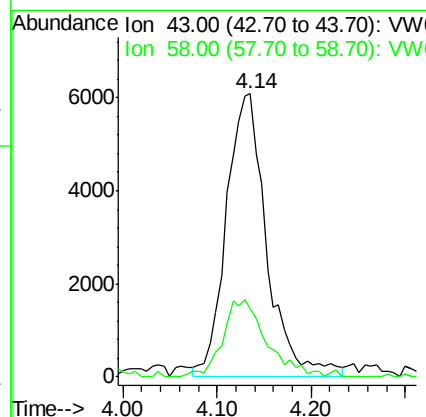
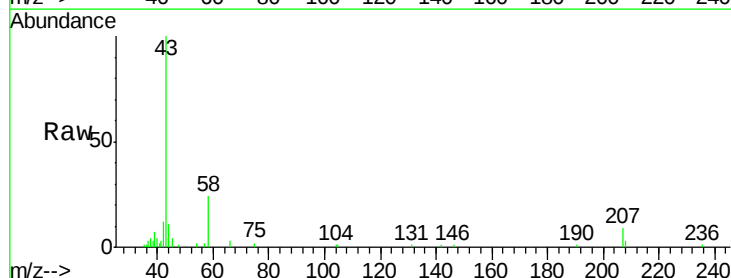
RT: 4.14 min Scan# 366

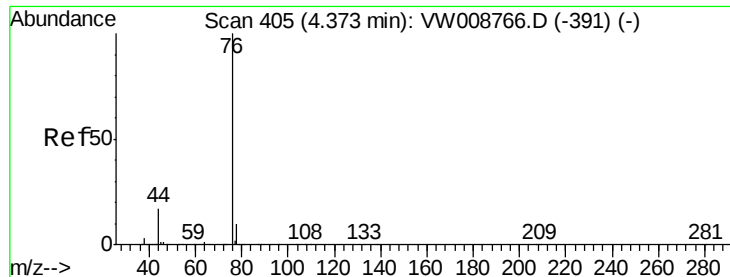
Delta R.T. 0.01 min

Lab File: VW008763.D

Acq: 21 Feb 2019 10:56

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 18196 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 58        | 25.0  | 23.8  | 35.6  |





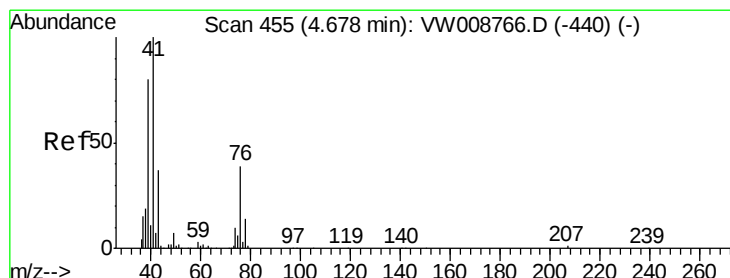
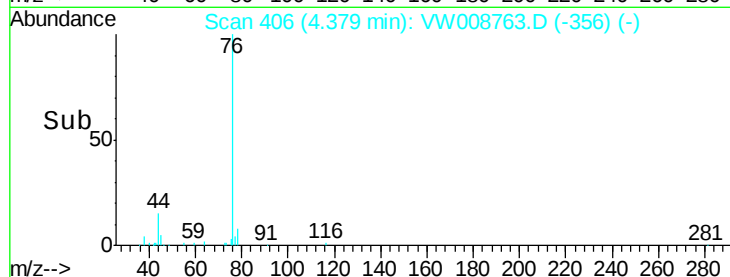
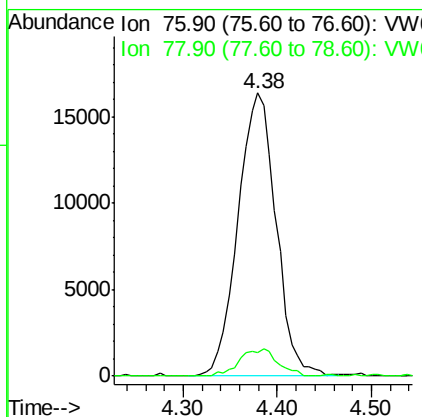
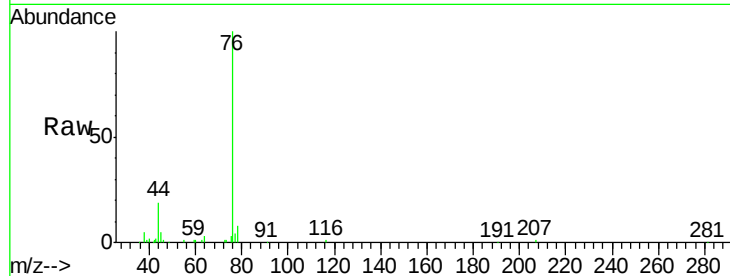
#17  
Carbon Disulfide  
Concen: 4.623 ug/l  
RT: 4.38 min Scan# 406  
Delta R.T. 0.01 min  
Lab File: VW008763.D  
Acq: 21 Feb 2019 10:56

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.5   | 7.8   | 11.8  |

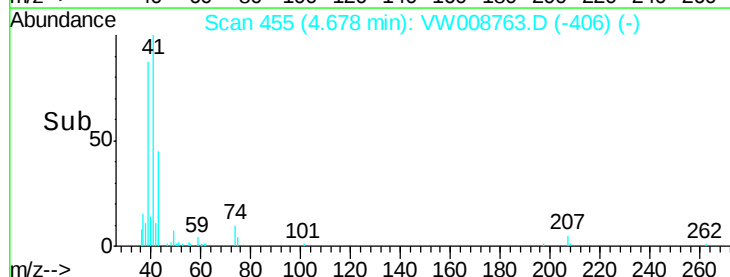
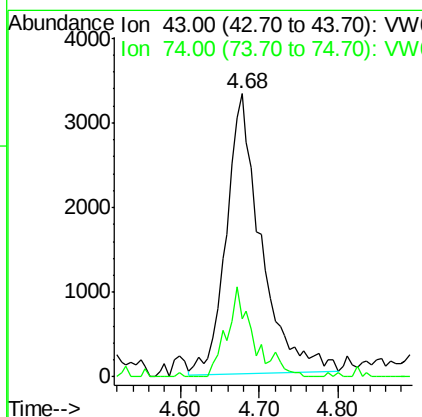
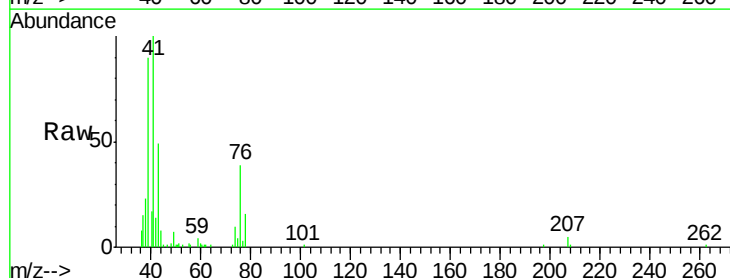
Manual Integrations  
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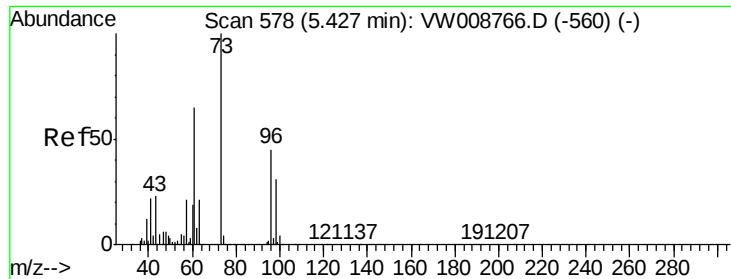
MMDadoda  
2/22/2019 12:24:57 PM



#18  
Methyl Acetate  
Concen: 5.723 ug/l  
RT: 4.68 min Scan# 455  
Delta R.T. 0.00 min  
Lab File: VW008763.D  
Acq: 21 Feb 2019 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 22.0  | 19.4  | 29.2  |





#19

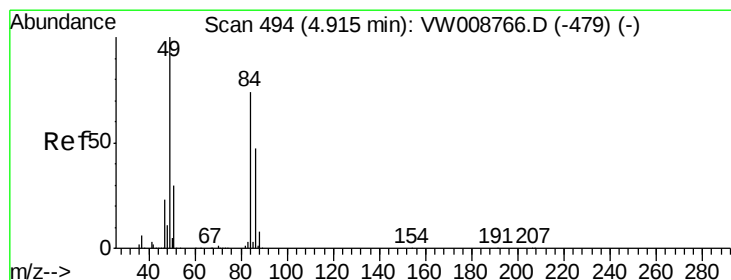
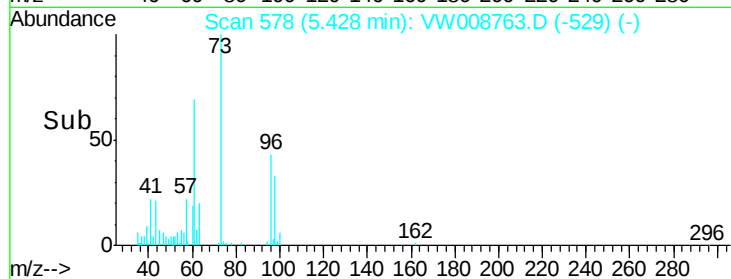
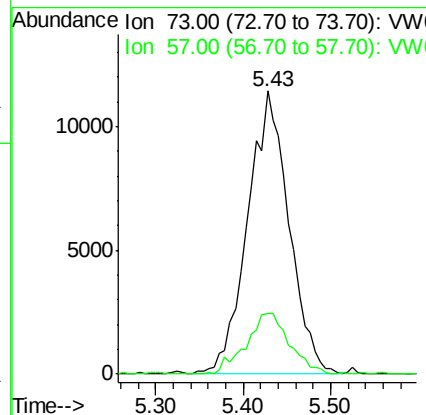
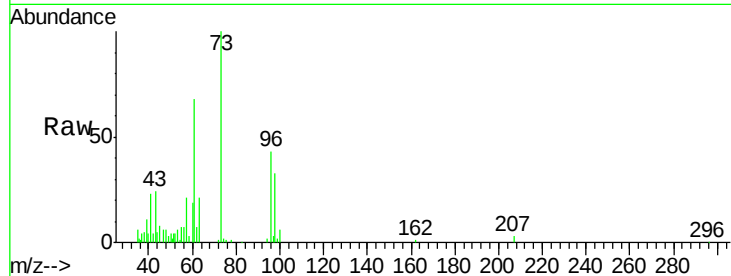
Methyl tert-butyl Ether  
 Concen: 4.585 ug/l  
 RT: 5.43 min Scan# 578  
 Delta R.T. 0.00 min  
 Lab File: VW008763.D  
 Acq: 21 Feb 2019 10:56

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 21.4  | 16.8  | 25.2  |

Manual Integrations  
 APPROVED

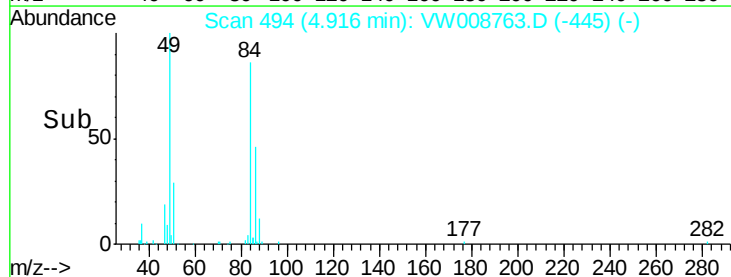
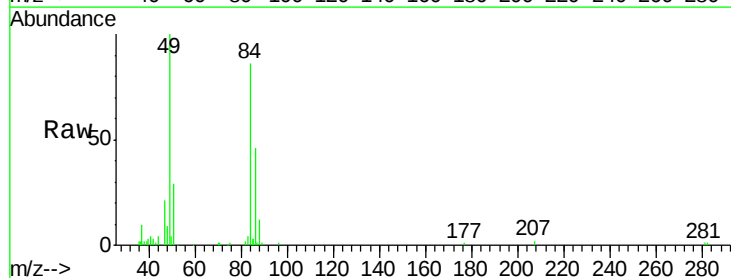
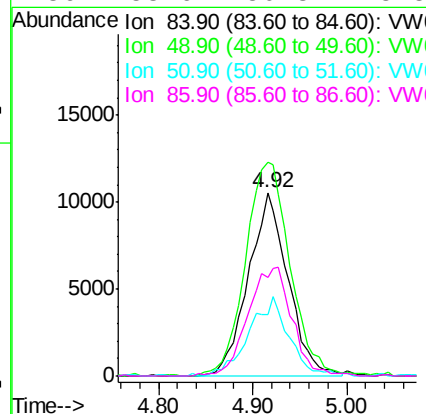
MMDadoda  
 2/22/2019 12:24:57 PM

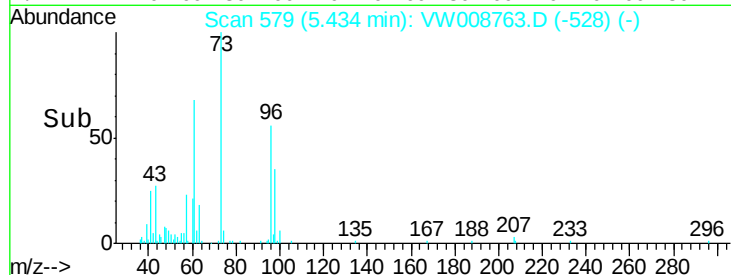
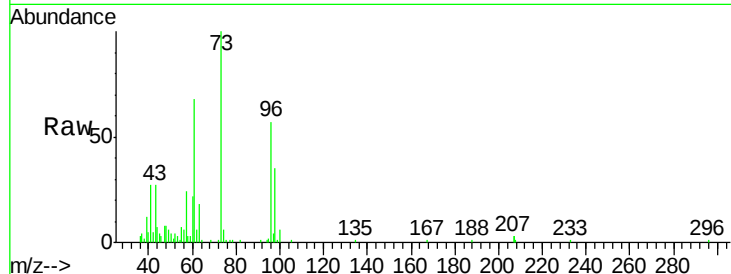
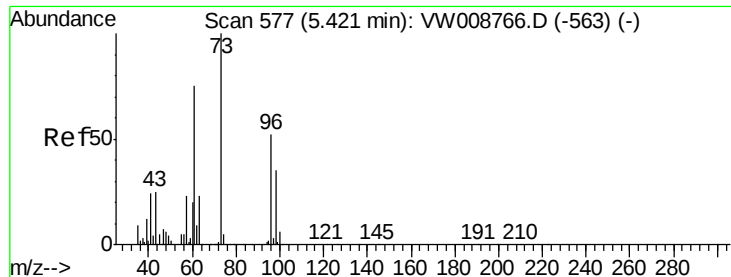


#20

Methylene Chloride  
 Concen: 7.037 ug/l  
 RT: 4.92 min Scan# 494  
 Delta R.T. 0.00 min  
 Lab File: VW008763.D  
 Acq: 21 Feb 2019 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 116.4 | 108.2 | 162.2 |
| 51      | 32.5  | 32.7  | 49.1# |
| 86      | 53.6  | 50.3  | 75.5  |





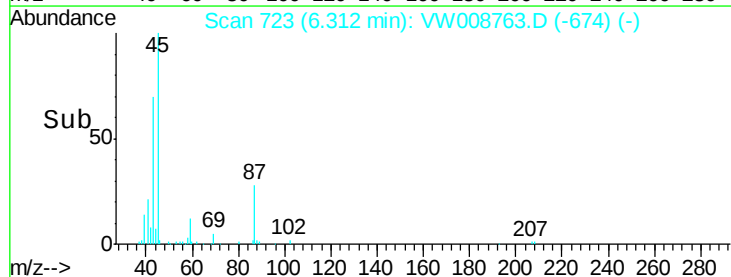
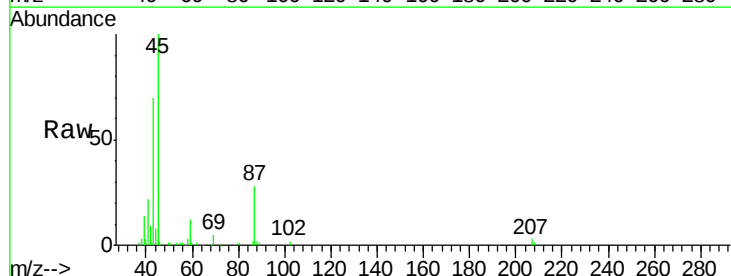
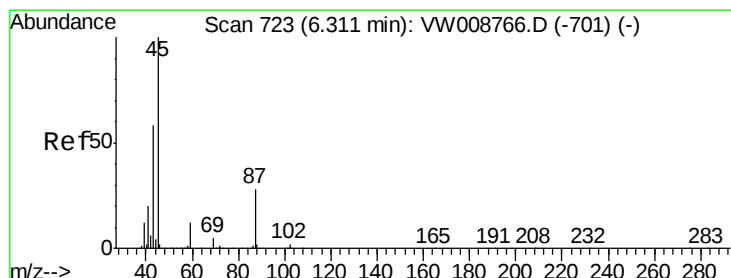
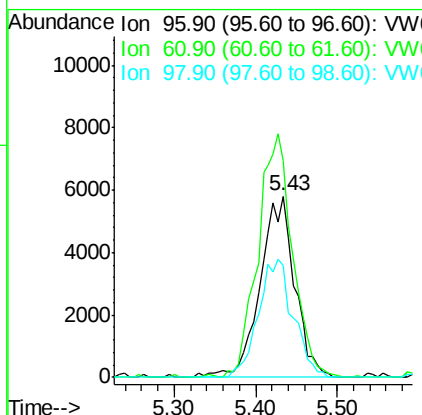
#21  
trans-1,2-Dichloroethene  
Concen: 4.903 ug/l  
RT: 5.43 min Scan# 579  
Delta R.T. 0.01 min  
Lab File: VW008763.D  
Acq: 21 Feb 2019 10:56

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 119.8 | 114.6 | 171.8 |
| 98      | 61.7  | 54.0  | 81.0  |

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

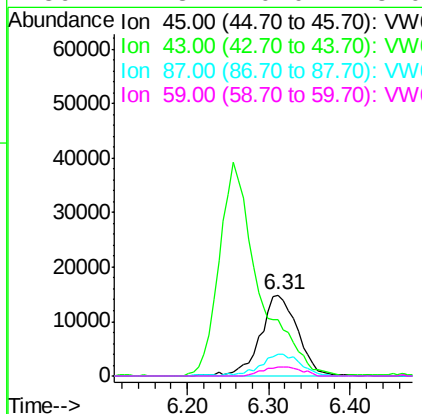
Manual Integrations  
APPROVED

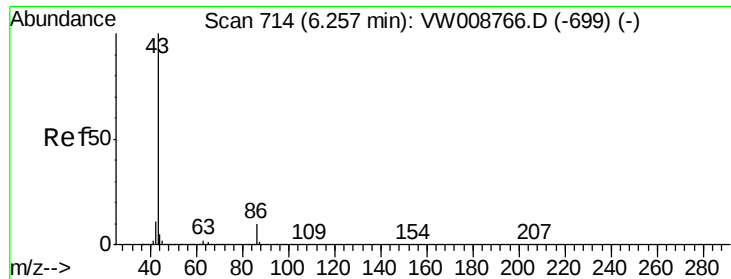
MMDadoda  
2/22/2019 12:24:57 PM



#22  
Diisopropyl ether  
Concen: 4.517 ug/l  
RT: 6.31 min Scan# 723  
Delta R.T. 0.00 min  
Lab File: VW008763.D  
Acq: 21 Feb 2019 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 67.6  | 46.1  | 69.1  |
| 87      | 27.5  | 22.2  | 33.4  |
| 59      | 11.3  | 10.0  | 15.0  |





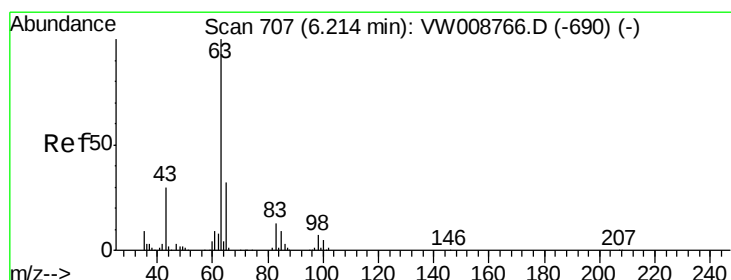
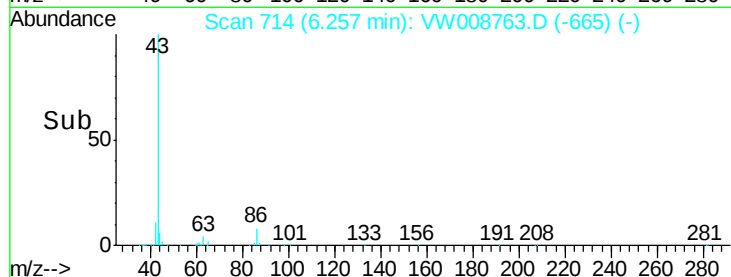
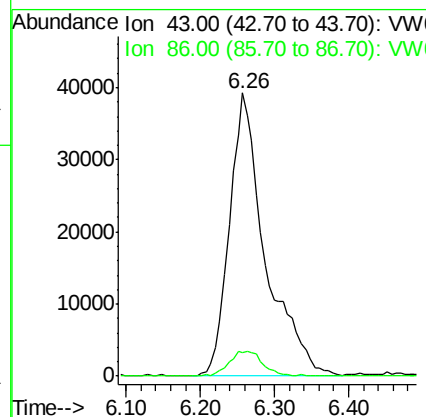
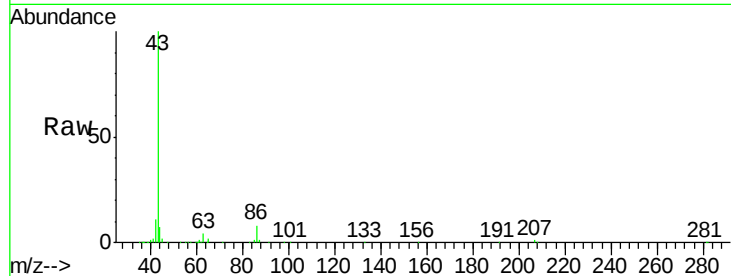
#23  
 Vinyl Acetate  
 Concen: 20.563 ug/l  
 RT: 6.26 min Scan# 714  
 Delta R.T. 0.00 min  
 Lab File: VW008763.D  
 Acq: 21 Feb 2019 10:56

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 43      | 100   | 132119 |       |       |
| 86      | 8.4   |        | 8.1   | 12.1  |

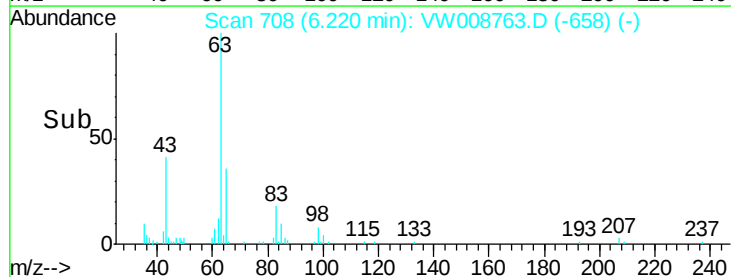
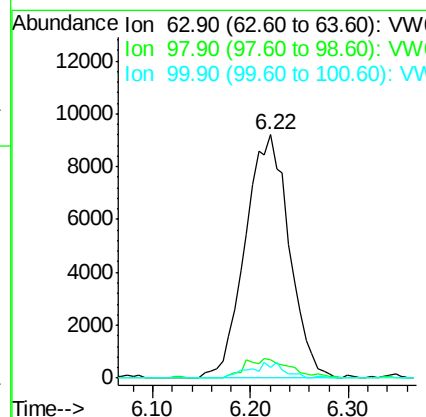
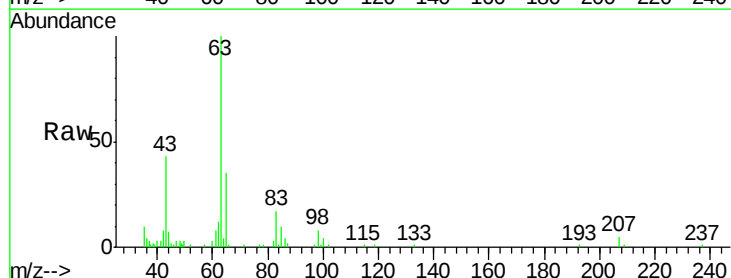
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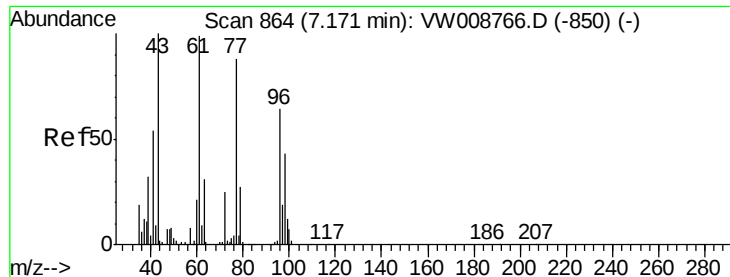
MMDadoda  
 2/22/2019 12:24:57 PM



#24  
 1,1-Dichloroethane  
 Concen: 4.775 ug/l  
 RT: 6.22 min Scan# 708  
 Delta R.T. 0.01 min  
 Lab File: VW008763.D  
 Acq: 21 Feb 2019 10:56

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 63      | 100   | 28774 |       |       |
| 98      | 7.5   |       | 3.5   | 10.6  |
| 100     | 4.2   |       | 2.4   | 7.2   |





#25

2-Butanone

Concen: 21.752 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008763.D

Acq: 21 Feb 2019 10:56

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 22807

Ion Ratio Lower Upper

43 100

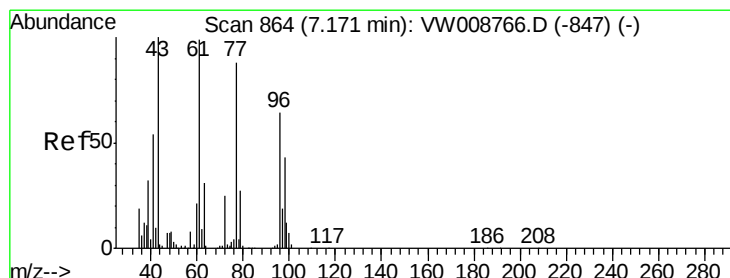
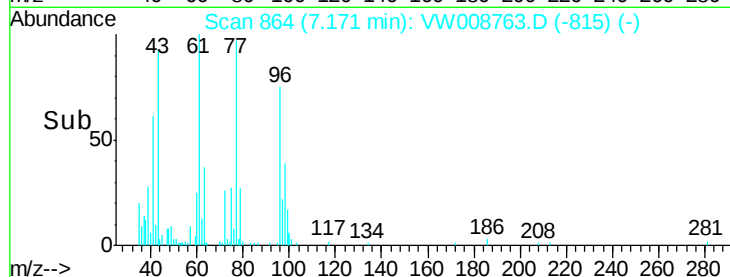
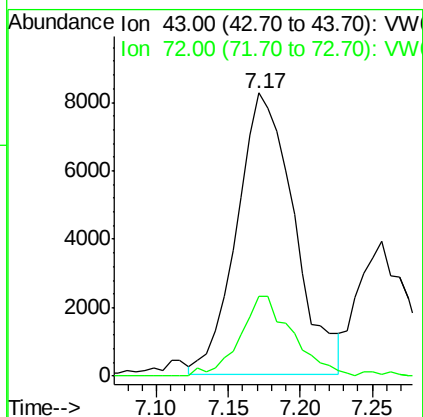
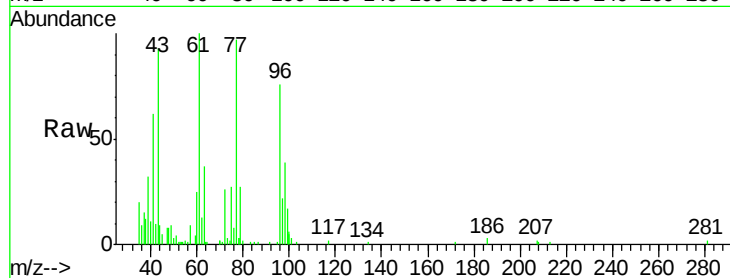
72 29.2 19.7 29.5

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2/22/2019 12:24:57 PM



#26

2,2-Dichloropropane

Concen: 5.167 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008763.D

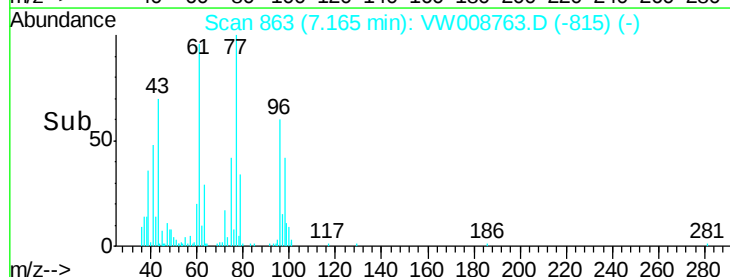
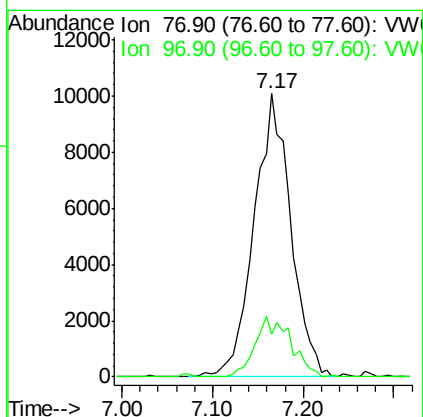
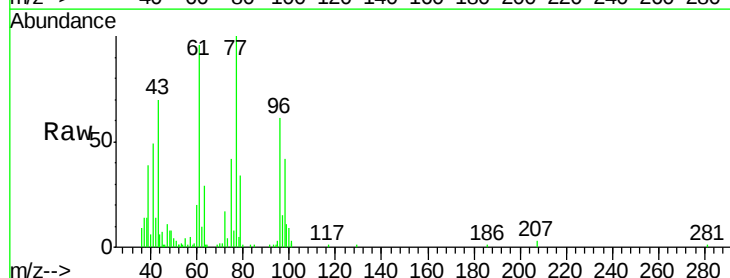
Acq: 21 Feb 2019 10:56

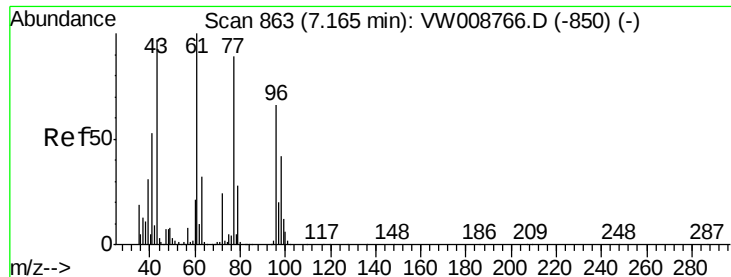
Tgt Ion: 77 Resp: 28267

Ion Ratio Lower Upper

77 100

97 20.6 11.0 33.0





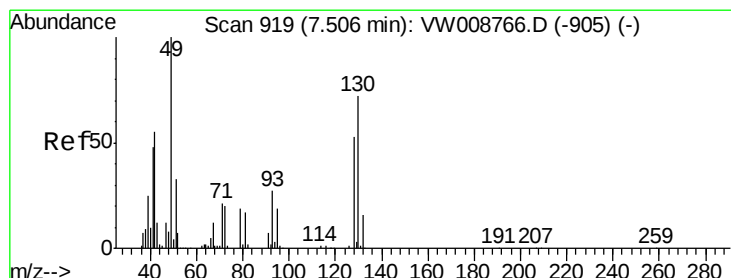
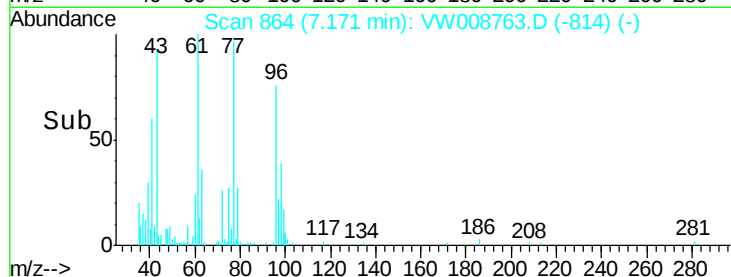
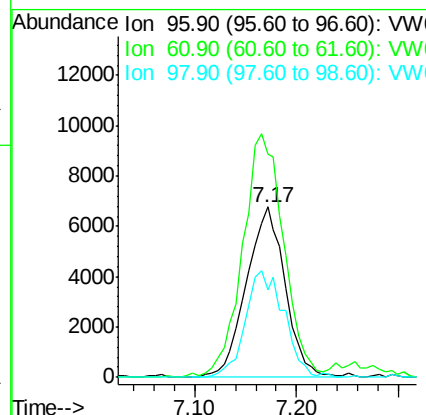
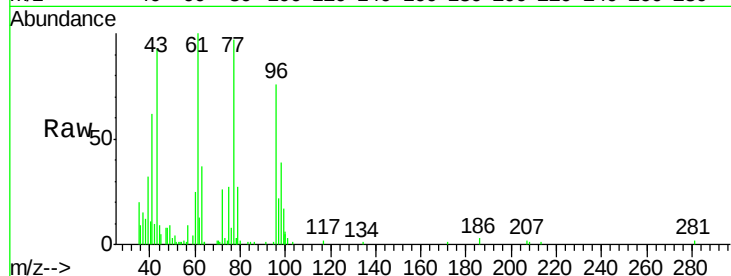
#27  
 cis-1,2-Dichloroethene  
 Concen: 4.801 ug/l  
 RT: 7.17 min Scan# 864  
 Delta R.T. 0.01 min  
 Lab File: VW008763.D  
 Acq: 21 Feb 2019 10:56

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 151.0 | 0.0   | 302.6 |
| 98      | 61.7  | 0.0   | 130.0 |

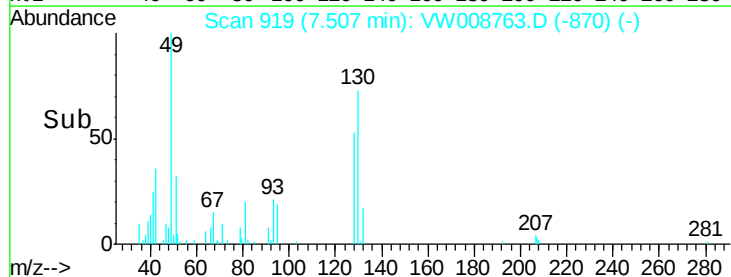
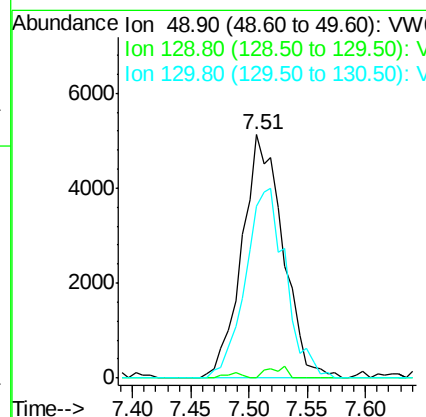
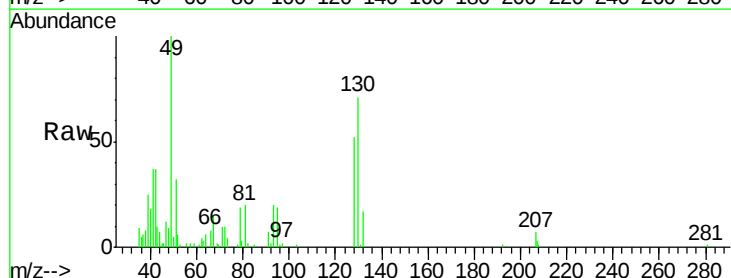
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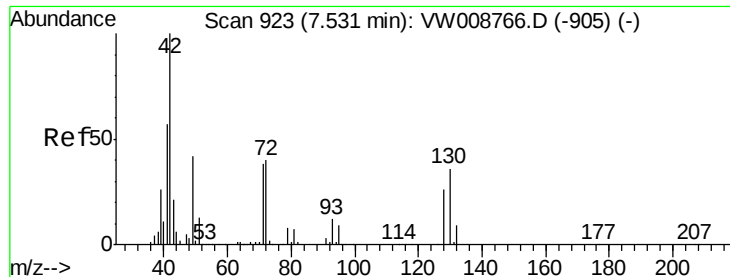
MMDadoda  
 2/22/2019 12:24:57 PM



#28  
 Bromochloromethane  
 Concen: 4.971 ug/l  
 RT: 7.51 min Scan# 919  
 Delta R.T. 0.00 min  
 Lab File: VW008763.D  
 Acq: 21 Feb 2019 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 0.8   | 0.0   | 2.6   |
| 130     | 0.0   | 61.3  | 91.9# |





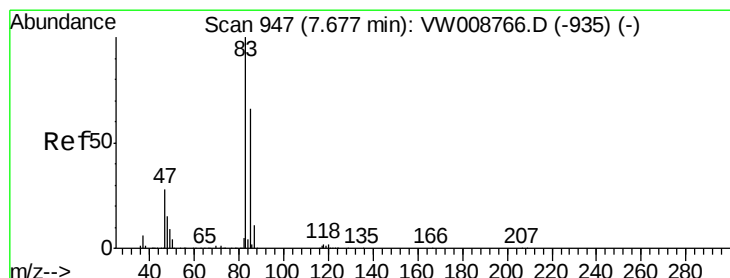
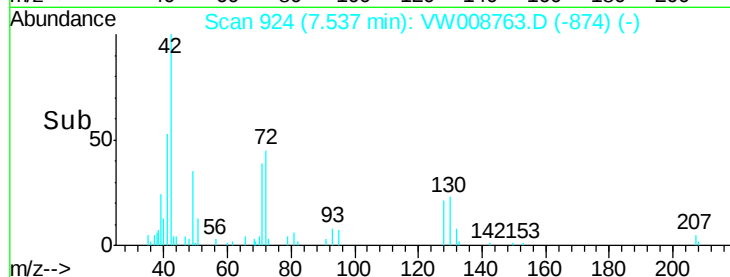
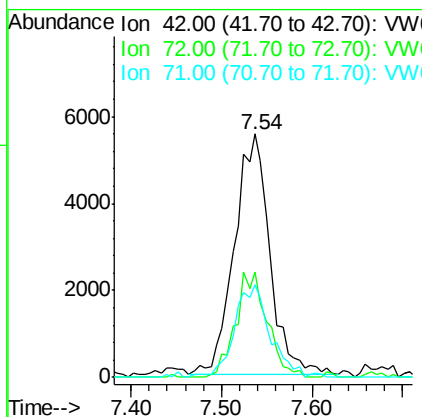
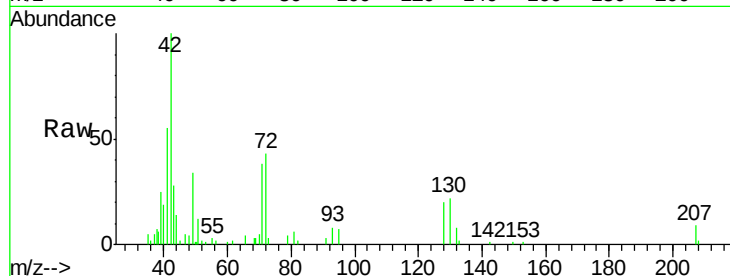
#29  
Tetrahydrofuran  
Concen: 22.545 ug/l  
RT: 7.54 min Scan# 924  
Delta R.T. 0.01 min  
Lab File: VW008763.D  
Acq: 21 Feb 2019 10:56

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 38.9  | 32.7  | 49.1  |
| 71      | 38.4  | 31.3  | 46.9  |

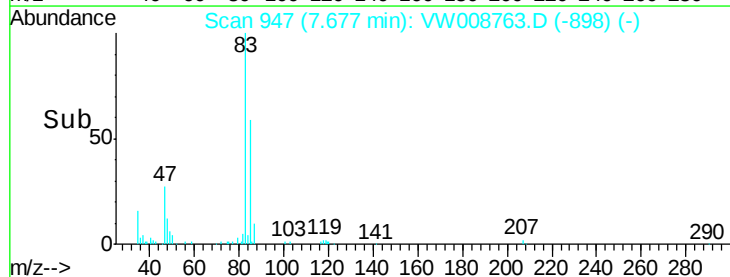
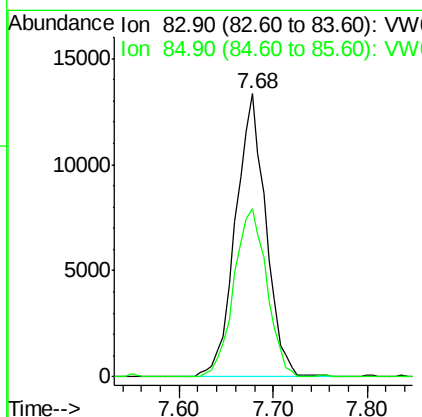
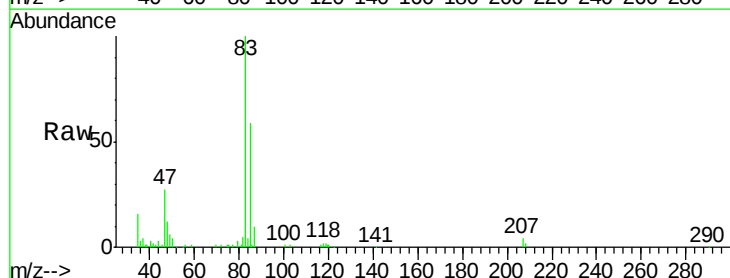
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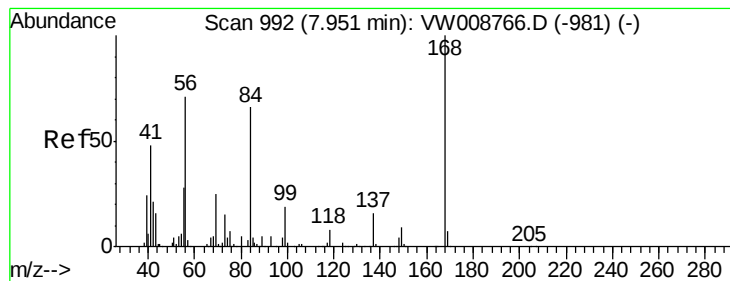
MMDadoda  
2/22/2019 12:24:57 PM



#30  
Chloroform  
Concen: 4.849 ug/l  
RT: 7.68 min Scan# 947  
Delta R.T. 0.00 min  
Lab File: VW008763.D  
Acq: 21 Feb 2019 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 59.2  | 52.6  | 79.0  |





#31

Cyclohexane

Concen: 5.470 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008763.D

Acq: 21 Feb 2019 10:56

Instrument :

MSVOA\_W

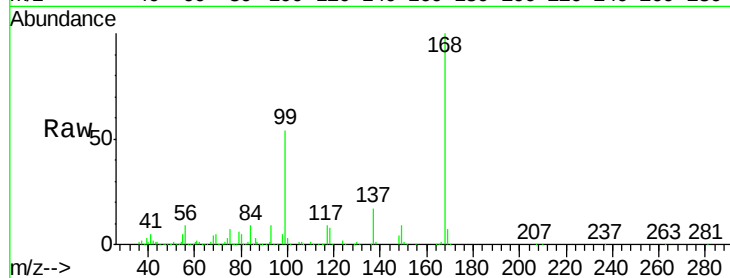
ClientSampleId :

VSTDIC005

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 56    | Resp: | 33367 |
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 69        | 58.3  | 28.2  | 42.4# |
| 84        | 98.6  | 74.1  | 111.1 |

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2/22/2019 12:24:57 PM

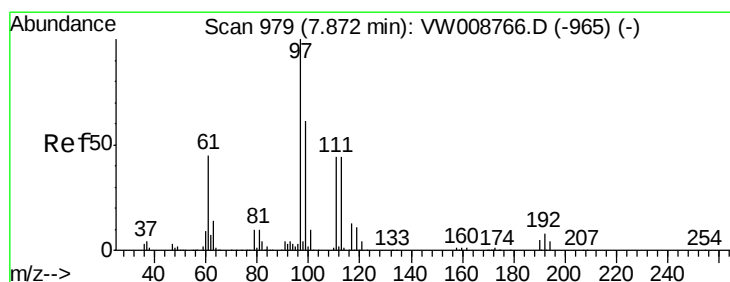
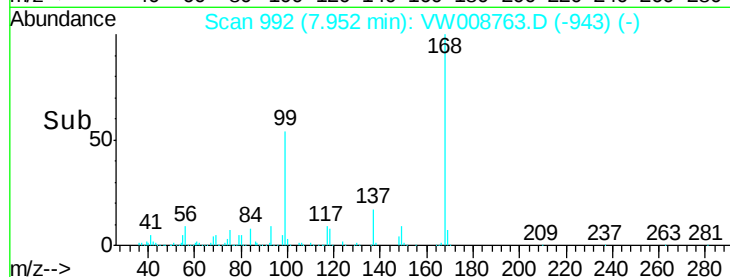
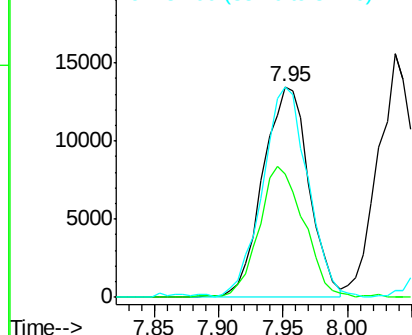


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 4.783 ug/l

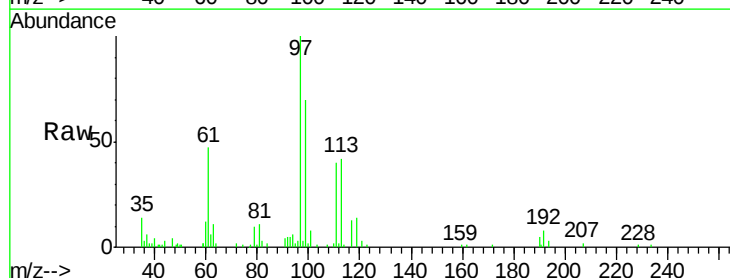
RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW008763.D

Acq: 21 Feb 2019 10:56

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 97    | Resp: | 26890 |
| Ion Ratio | Lower | Upper |       |
| 97        | 100   |       |       |
| 99        | 66.2  | 50.8  | 76.2  |
| 61        | 46.8  | 36.0  | 54.0  |

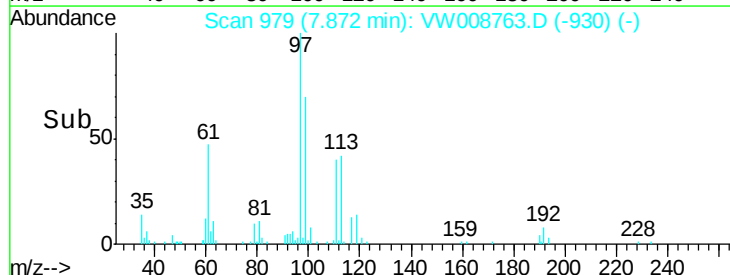
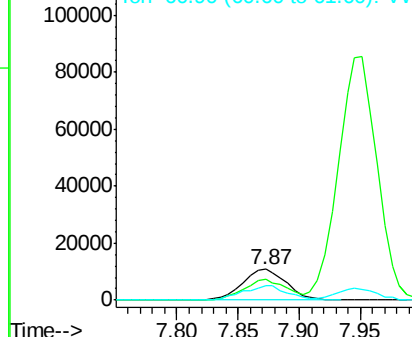


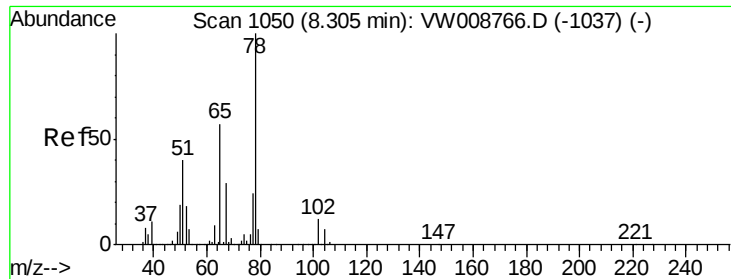
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 4.916 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW008763.D

Acq: 21 Feb 2019 10:56

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 15907

Ion Ratio Lower Upper

65 100

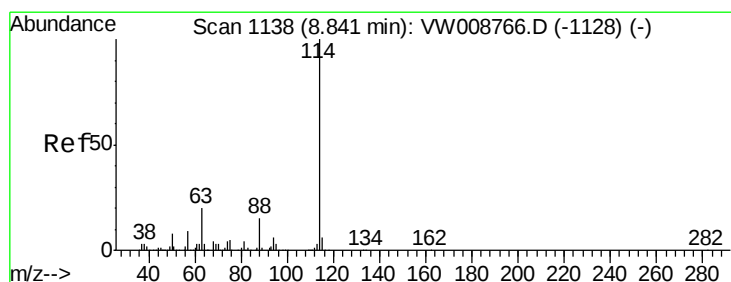
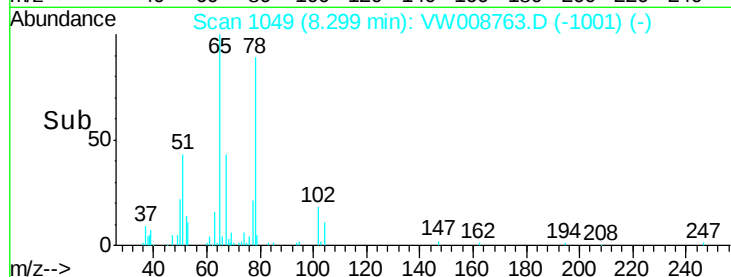
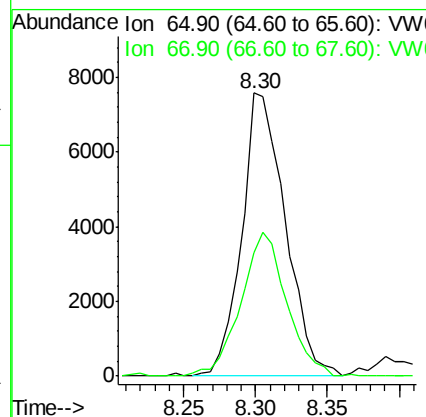
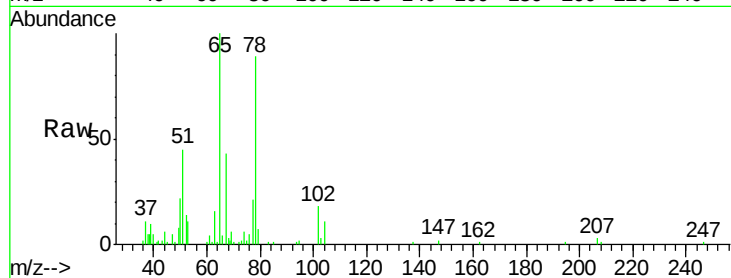
67 53.2 0.0 101.4

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2/22/2019 12:24:57 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008763.D

Acq: 21 Feb 2019 10:56

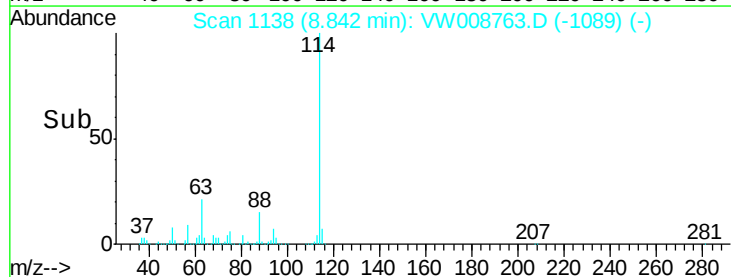
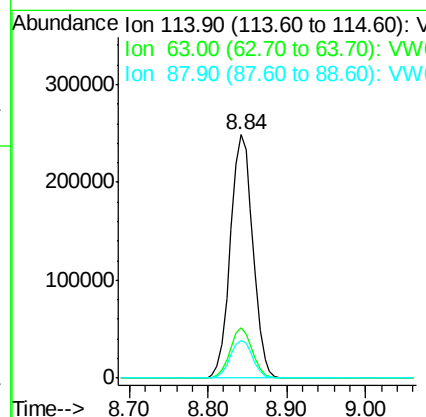
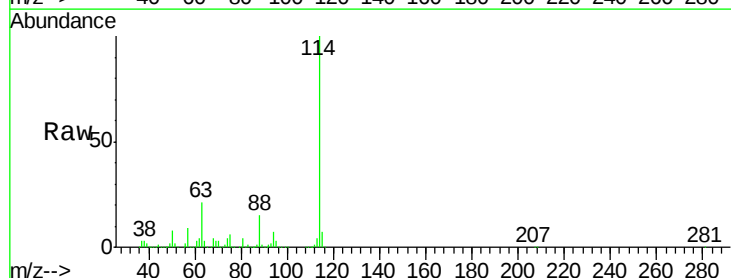
Tgt Ion: 114 Resp: 492865

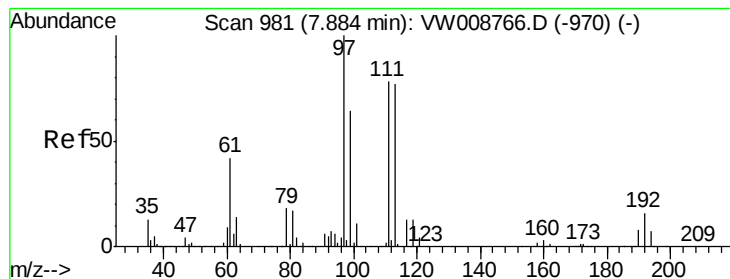
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

88 15.3 0.0 30.4





#35

Dibromofluoromethane

Concen: 5.208 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008763.D

Acq: 21 Feb 2019 10:56

Instrument :

MSVOA\_W

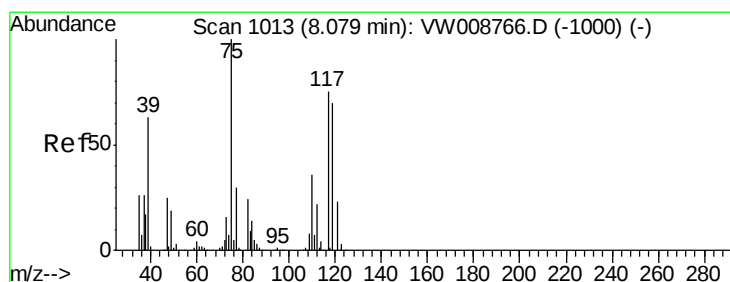
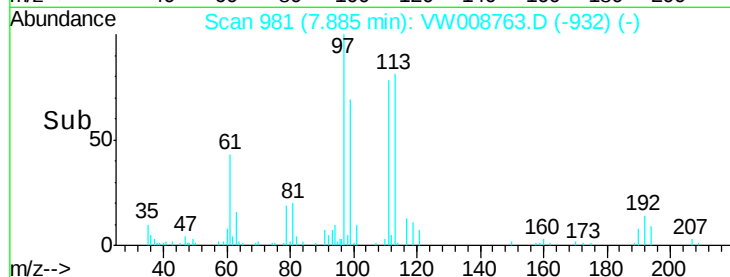
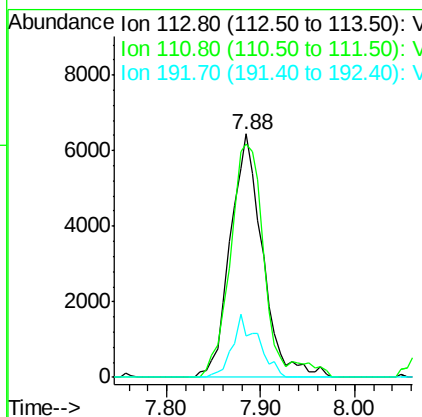
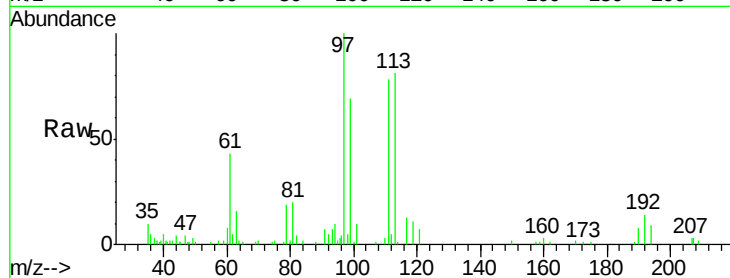
ClientSampleId :

VSTDIC005

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 113   | Resp: | 15412 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 96.2  | 81.9  | 122.9 |
| 192       | 20.5  | 17.1  | 25.7  |

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#36

1,1-Dichloropropene

Concen: 4.903 ug/l

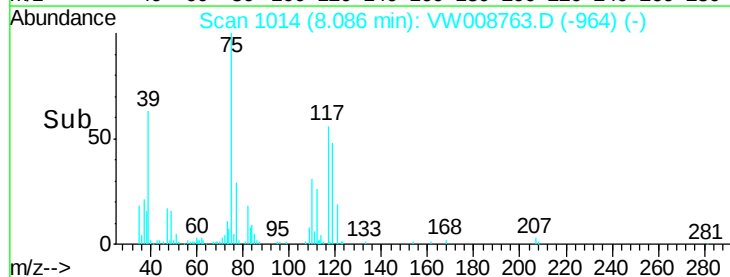
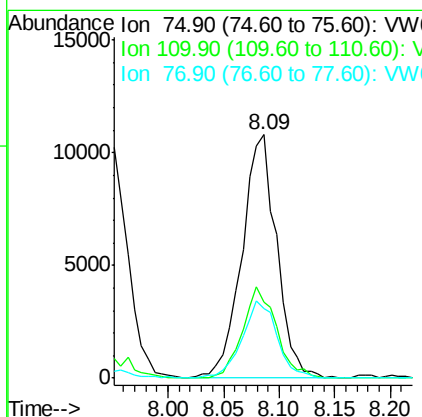
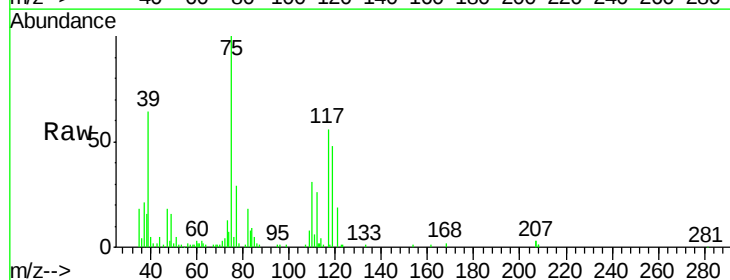
RT: 8.09 min Scan# 1014

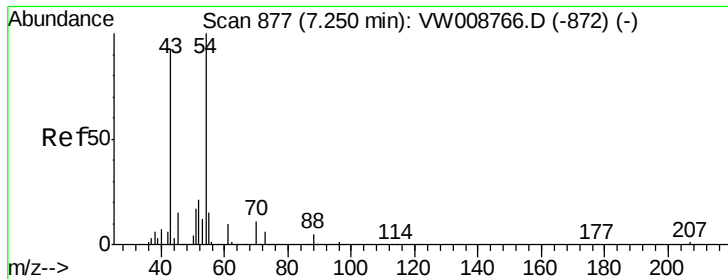
Delta R.T. 0.01 min

Lab File: VW008763.D

Acq: 21 Feb 2019 10:56

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 23522 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 36.4  | 17.5  | 52.6  |
| 77        | 31.9  | 24.5  | 36.7  |





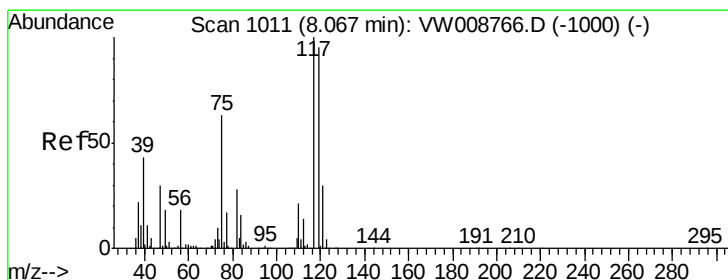
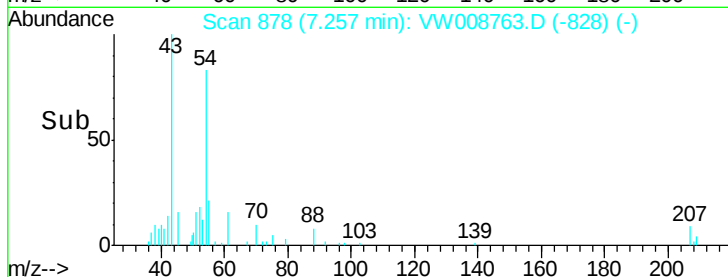
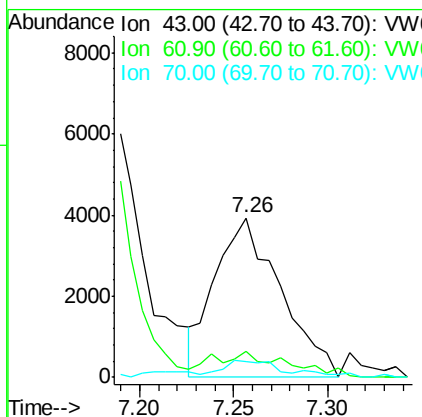
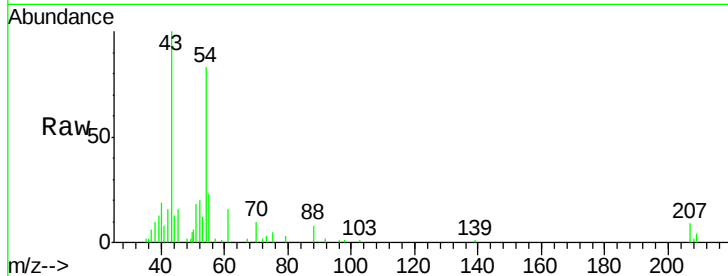
#37  
Ethyl Acetate  
Concen: 4.274 ug/l  
RT: 7.26 min Scan# 878  
Delta R.T. 0.01 min  
Lab File: VW008763.D  
Acq: 21 Feb 2019 10:56

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 0.0   | 9.8   | 14.8# |
| 70      | 6.0   | 8.4   | 12.6# |

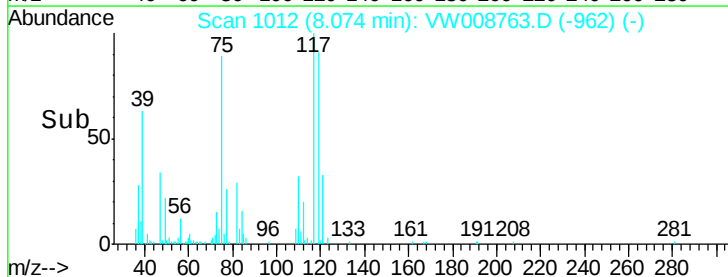
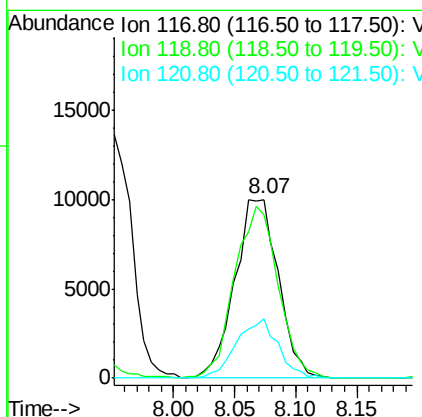
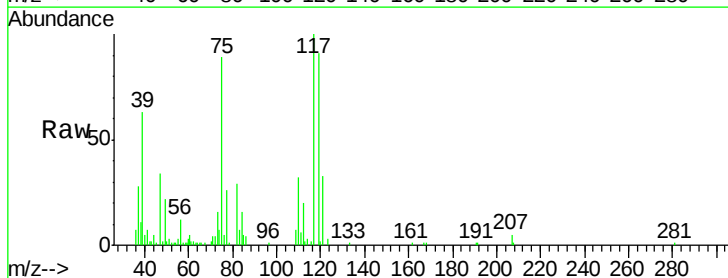
Manual Integrations  
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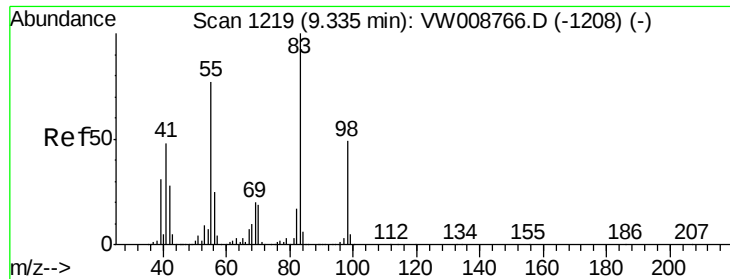
MMDadoda  
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#38  
Carbon Tetrachloride  
Concen: 4.902 ug/l  
RT: 8.07 min Scan# 1012  
Delta R.T. 0.01 min  
Lab File: VW008763.D  
Acq: 21 Feb 2019 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 91.4  | 76.1  | 114.1 |
| 121     | 33.3  | 24.0  | 36.0  |





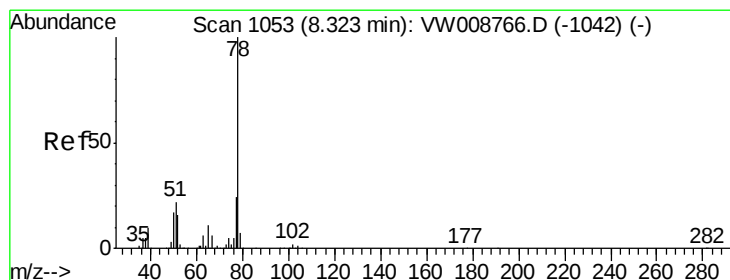
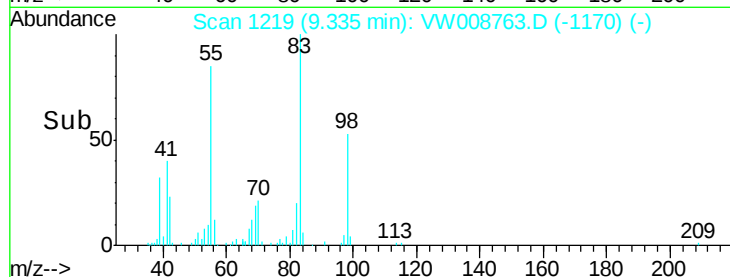
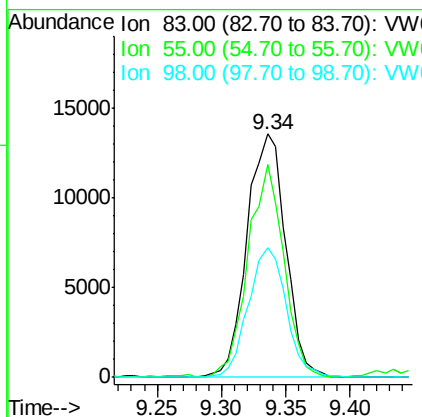
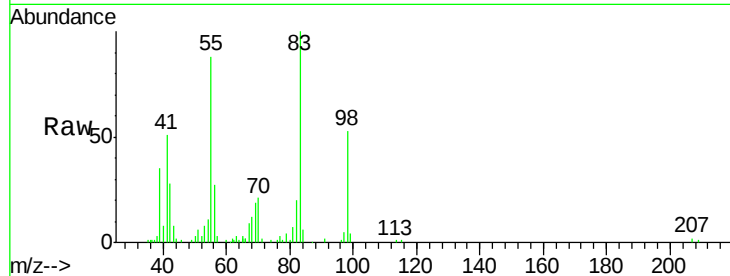
#39  
Methvlcvclohexane  
Concen: 4.706 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. 0.00 min  
Lab File: VW008763.D  
Acq: 21 Feb 2019 10:56

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 87.6  | 61.2  | 91.8  |
| 98      | 53.3  | 39.4  | 59.2  |

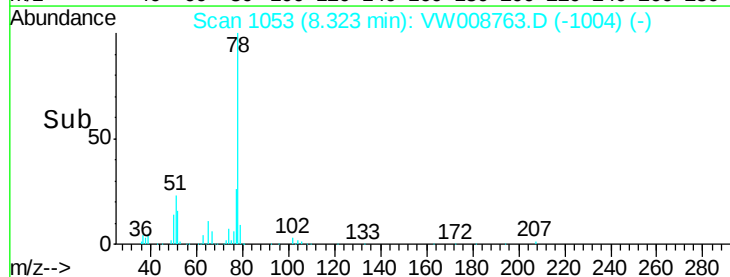
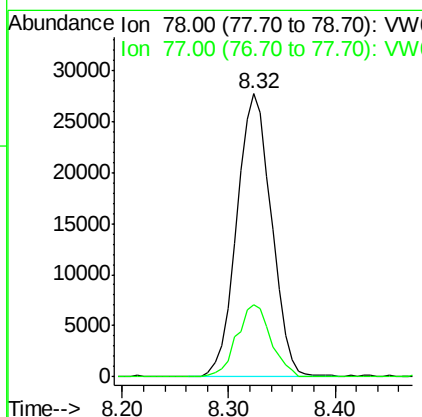
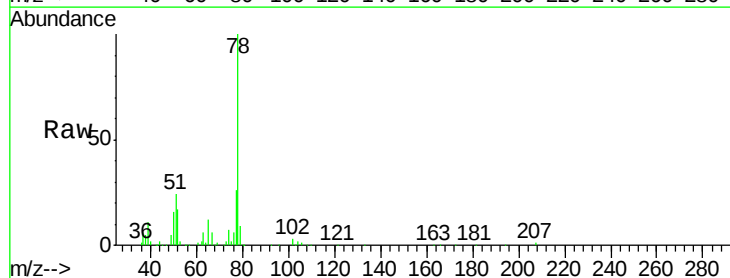
Manual Integrations  
APPROVED

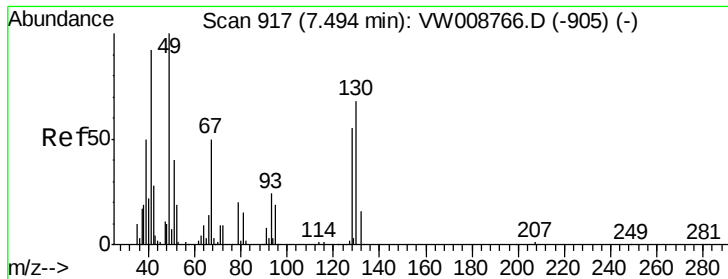
MMDadoda  
2/22/2019 12:24:57 PM



#40  
Benzene  
Concen: 4.843 ug/l  
RT: 8.32 min Scan# 1053  
Delta R.T. 0.00 min  
Lab File: VW008763.D  
Acq: 21 Feb 2019 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 25.7  | 19.3  | 28.9  |





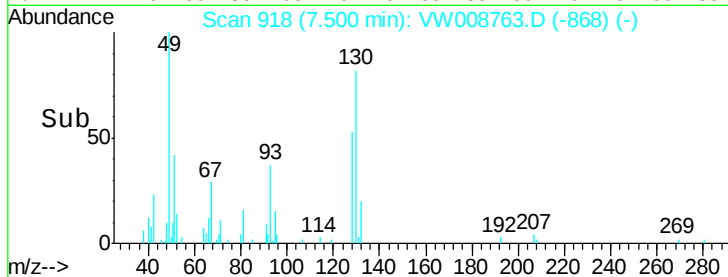
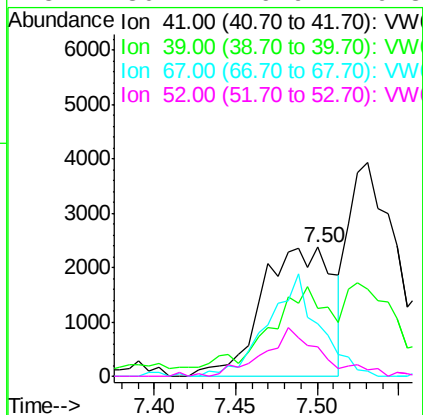
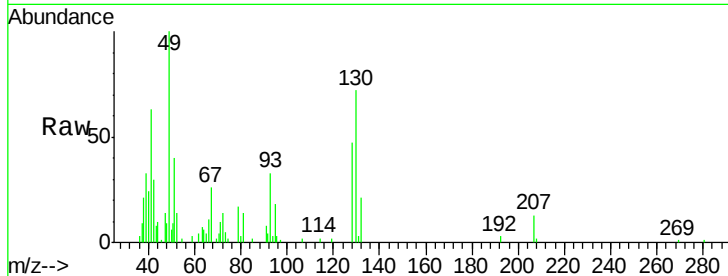
#41  
Methacrylonitrile  
Concen: 5.495 ug/l  
RT: 7.50 min Scan# 918  
Delta R.T. 0.01 min  
Lab File: VW008763.D  
Acq: 21 Feb 2019 10:56

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 53.7  | 52.5  | 78.7  |
| 67      | 56.5  | 55.0  | 82.6  |
| 52      | 30.2  | 26.9  | 40.3  |

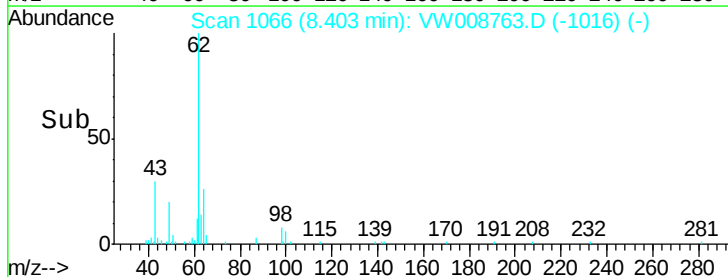
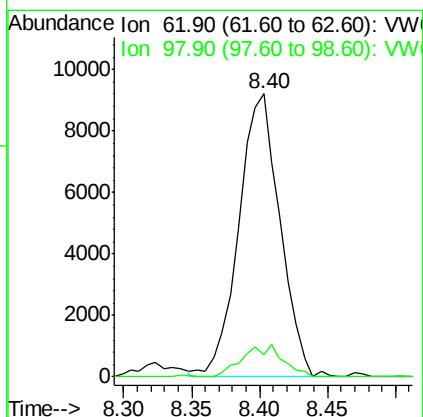
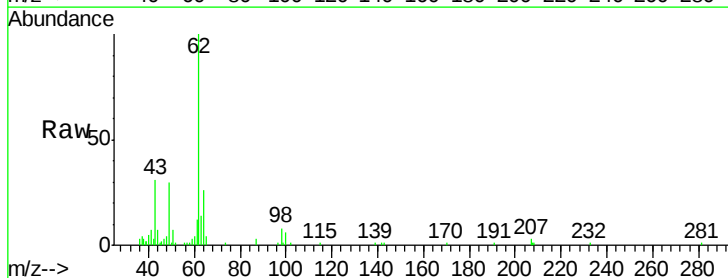
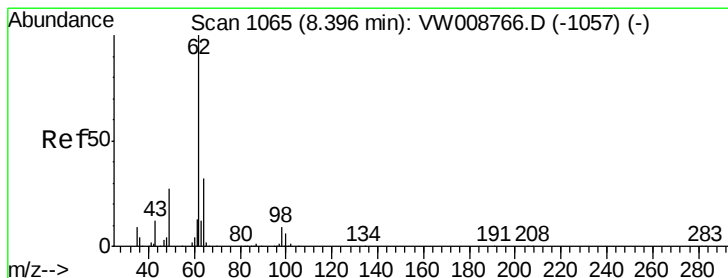
Manual Integrations  
APPROVED

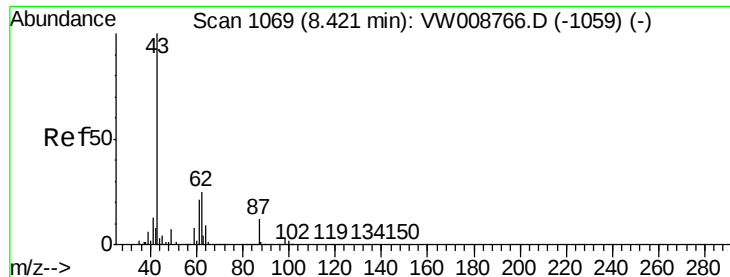
MMDadoda  
2/22/2019 12:24:57 PM



#42  
1,2-Dichloroethane  
Concen: 4.714 ug/l  
RT: 8.40 min Scan# 1066  
Delta R.T. 0.01 min  
Lab File: VW008763.D  
Acq: 21 Feb 2019 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 11.1  | 0.0   | 18.2  |





#43

Isopropyl Acetate

Concen: 4.511 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW008763.D

Acq: 21 Feb 2019 10:56

Instrument :

MSVOA\_W

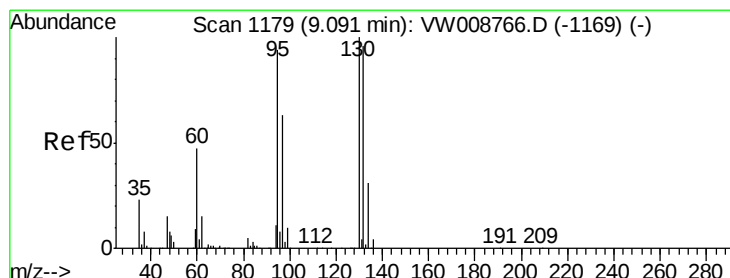
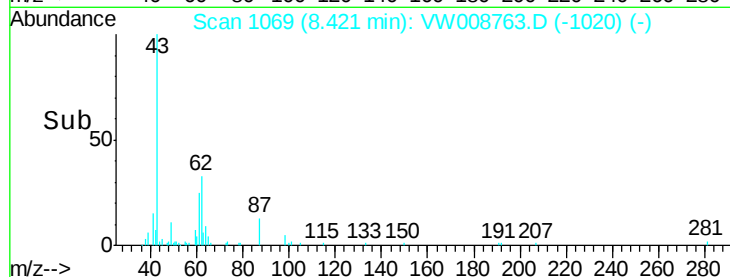
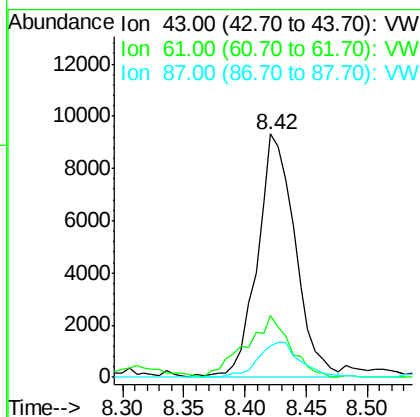
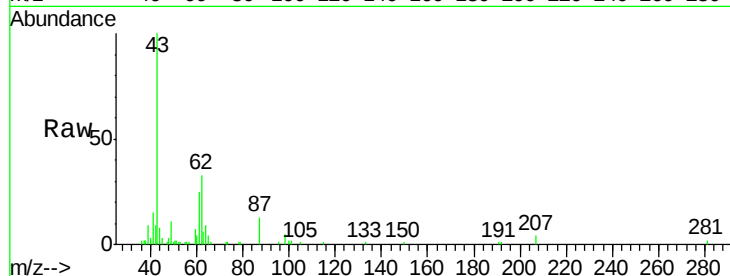
ClientSampleId :

VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 20085 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 29.4  | 23.2  | 34.8  |
| 87       | 15.9  | 9.9   | 14.9# |

Manual Integrations  
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2/22/2019 12:24:57 PM



#44

Trichloroethene

Concen: 4.945 ug/l

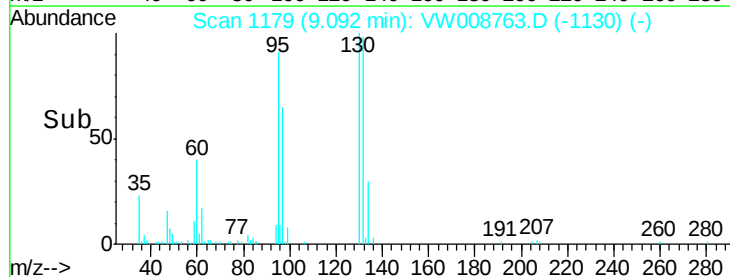
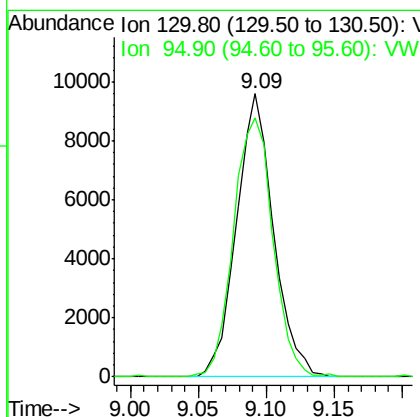
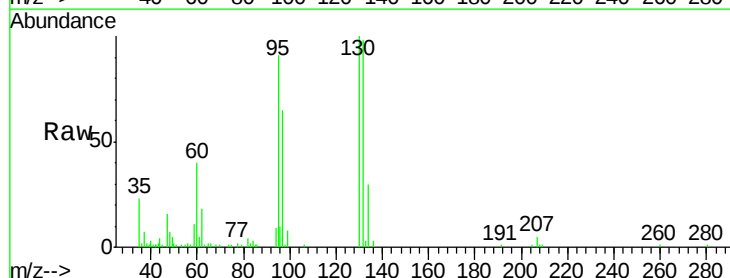
RT: 9.09 min Scan# 1179

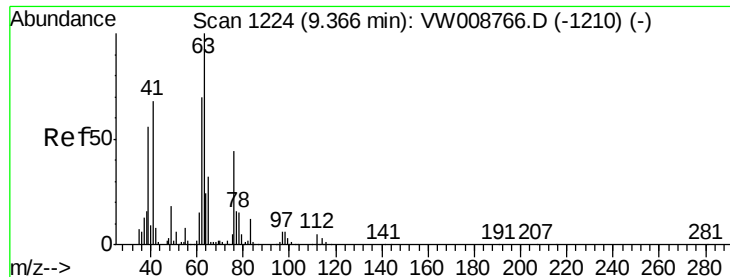
Delta R.T. 0.00 min

Lab File: VW008763.D

Acq: 21 Feb 2019 10:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 18248 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 91.4  | 0.0   | 188.6 |





#45

1,2-Dichloropropane

Concen: 4.965 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008763.D

Acq: 21 Feb 2019 10:56

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 16072

Ion Ratio Lower Upper

63 100

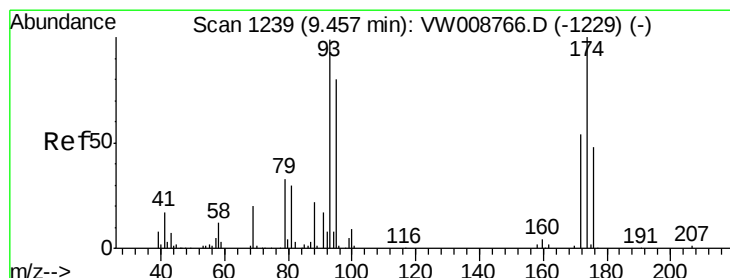
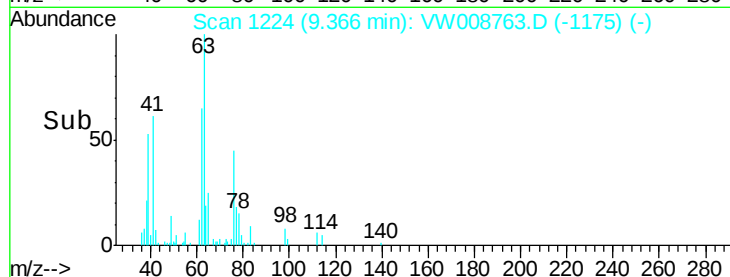
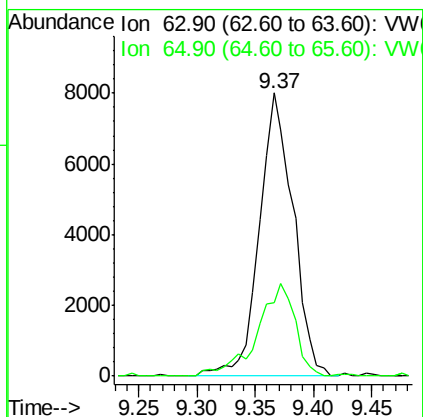
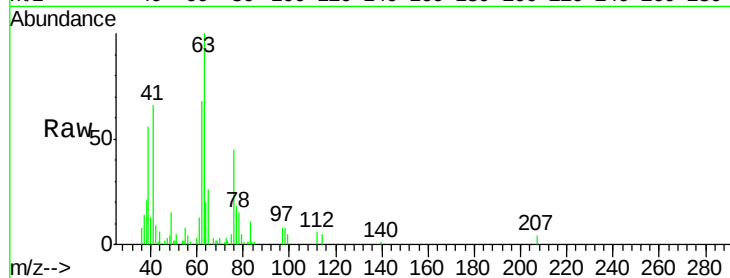
65 25.9 25.5 38.3

Manual Integrations

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2/22/2019 12:24:57 PM



#46

Dibromomethane

Concen: 4.836 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008763.D

Acq: 21 Feb 2019 10:56

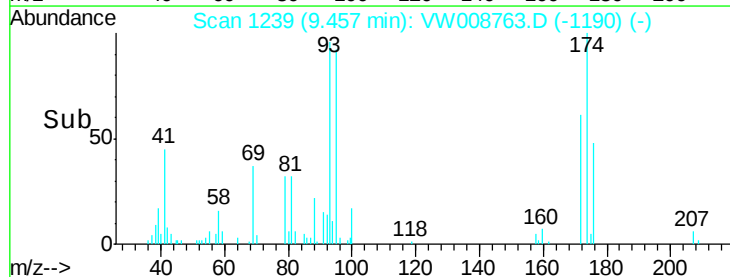
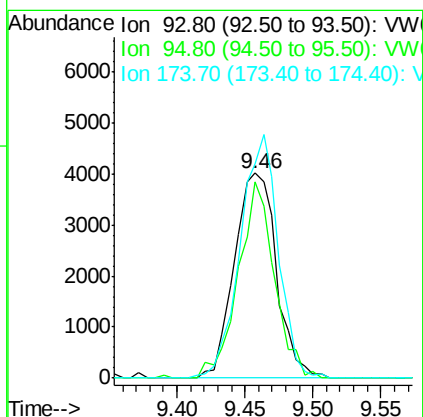
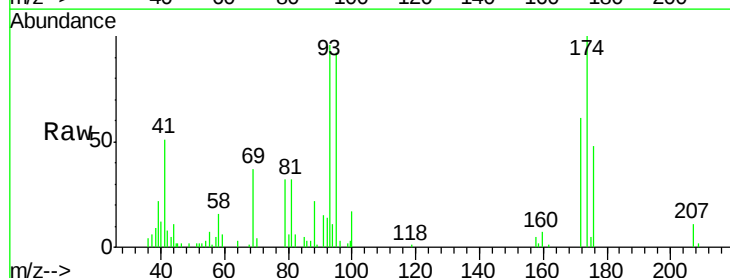
Tgt Ion: 93 Resp: 8707

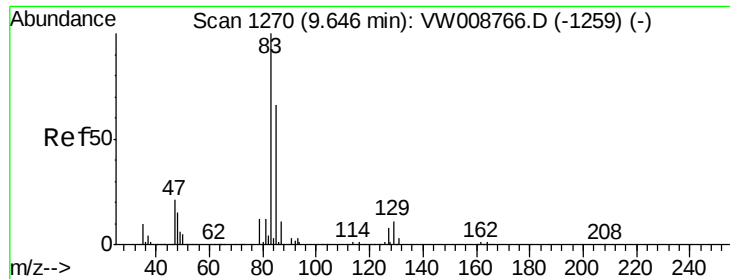
Ion Ratio Lower Upper

93 100

95 81.9 67.7 101.5

174 107.3 86.7 130.1





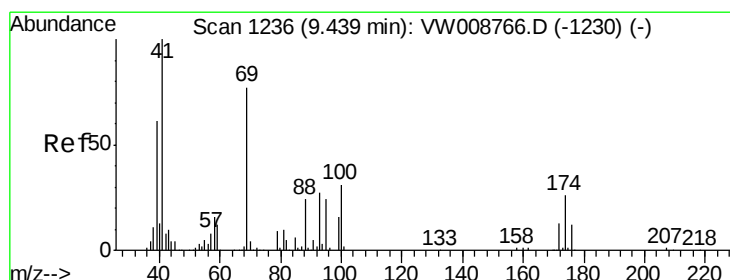
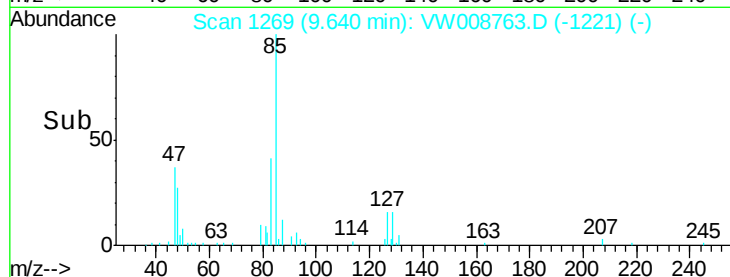
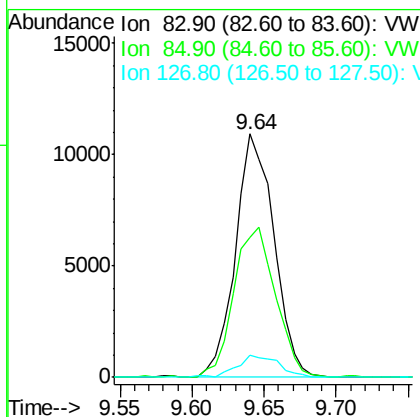
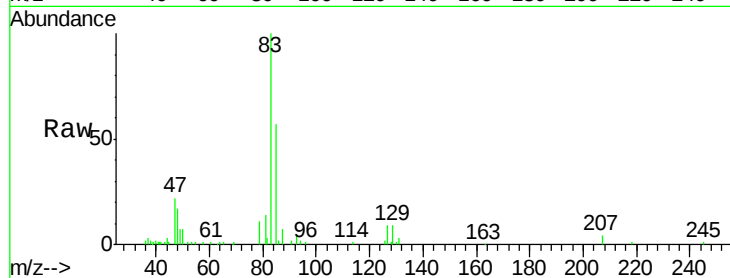
#47  
Bromodichloromethane  
Concen: 4.634 ug/l  
RT: 9.64 min Scan# 1269  
Delta R.T. -0.01 min  
Lab File: VW008763.D  
Acq: 21 Feb 2019 10:56

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 57.3  | 52.5  | 78.7  |
| 127     | 9.0   | 6.7   | 10.1  |

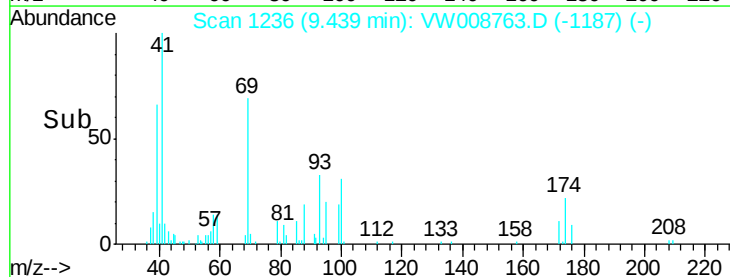
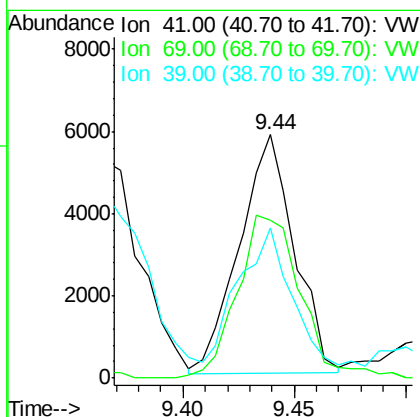
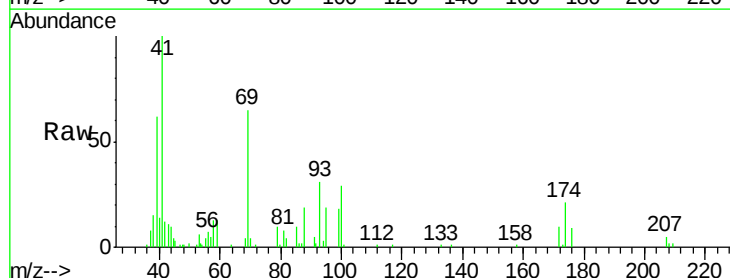
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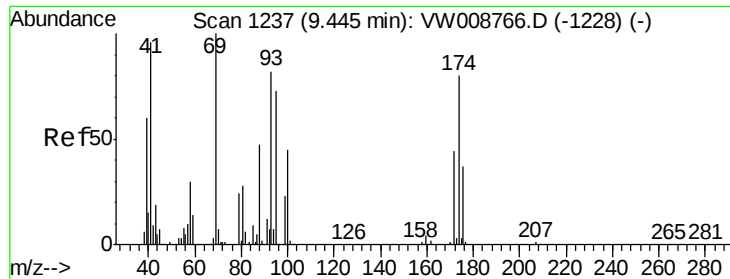
MMDadoda  
2/22/2019 12:24:57 PM



#48  
Methyl methacrylate  
Concen: 4.661 ug/l  
RT: 9.44 min Scan# 1236  
Delta R.T. 0.00 min  
Lab File: VW008763.D  
Acq: 21 Feb 2019 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 78.8  | 63.6  | 95.4  |
| 39      | 53.8  | 52.1  | 78.1  |





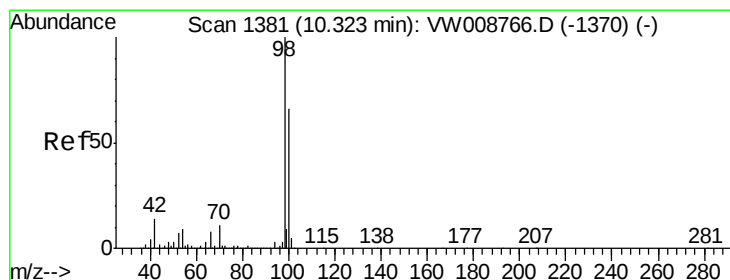
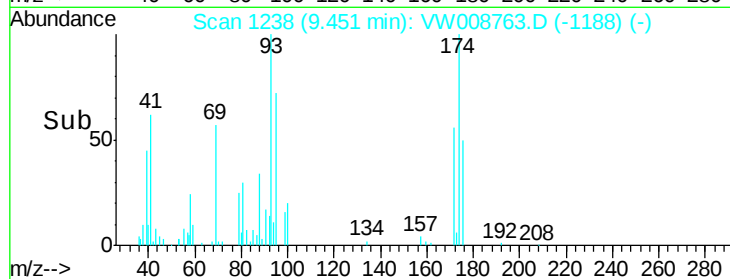
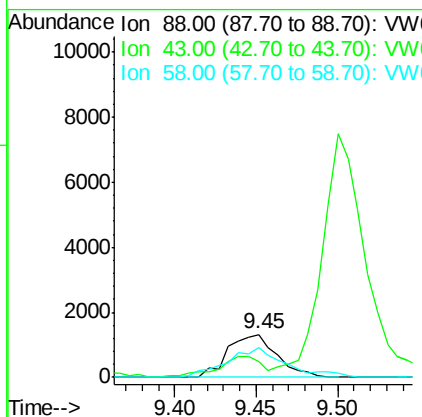
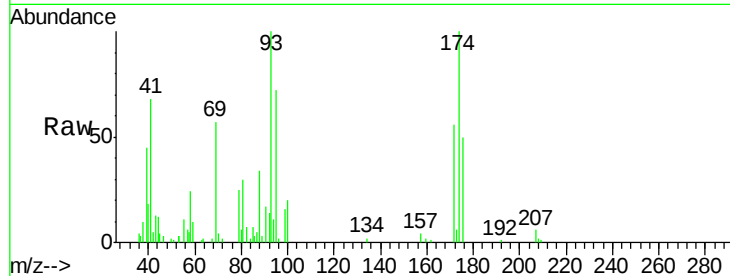
#49  
1,4-Dioxane  
Concen: 95.026 ug/l  
RT: 9.45 min Scan# 1238  
Delta R.T. 0.01 min  
Lab File: VW008763.D  
Acq: 21 Feb 2019 10:56

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 43.6  | 29.0  | 43.4# |
| 58      | 75.7  | 52.0  | 78.0  |

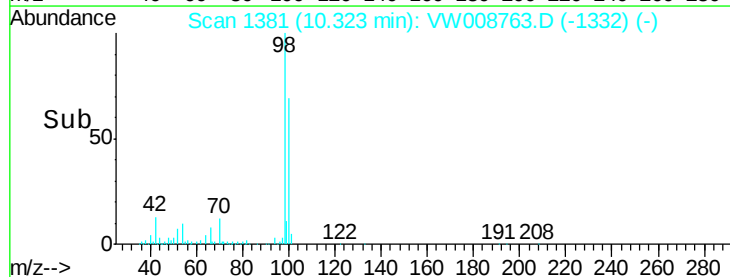
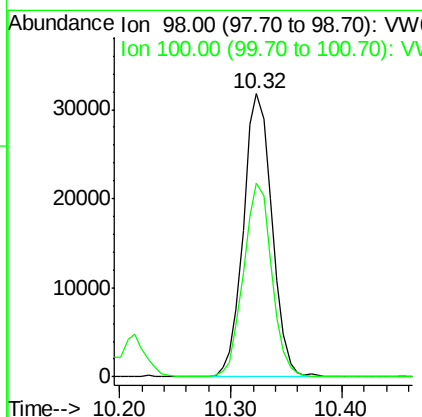
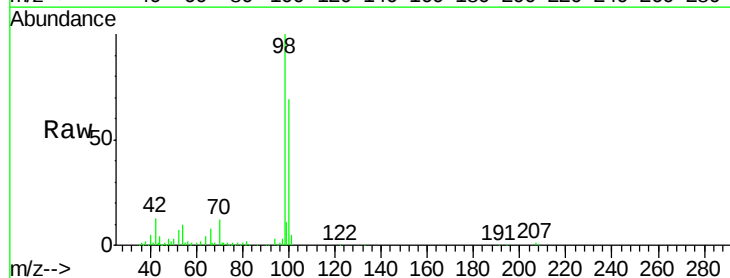
Manual Integrations  
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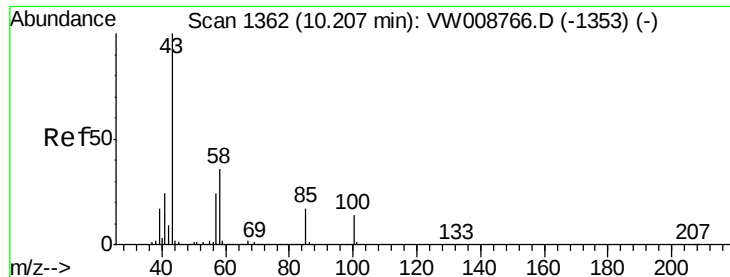
MMDadoda  
2/22/2019 12:24:57 PM



#50  
Toluene-d8  
Concen: 4.974 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. 0.00 min  
Lab File: VW008763.D  
Acq: 21 Feb 2019 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 67.6  | 52.4  | 78.6  |





#51

4-Methyl-2-Pentanone

Concen: 22.814 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW008763.D

Acq: 21 Feb 2019 10:56

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 51574

Ion Ratio Lower Upper

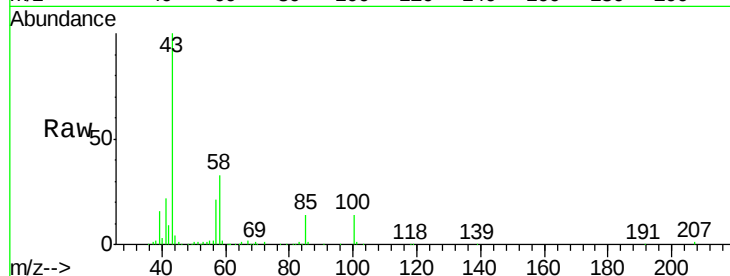
43 100

58 34.9 29.1 43.7

Manual Integrations  
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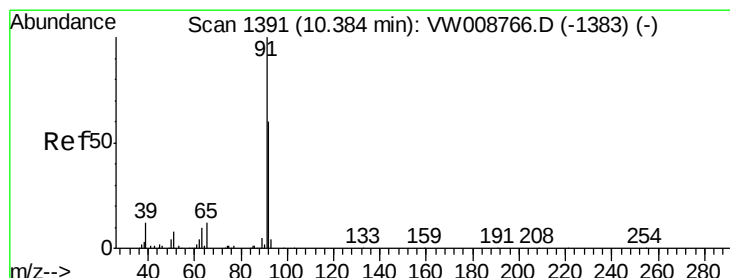
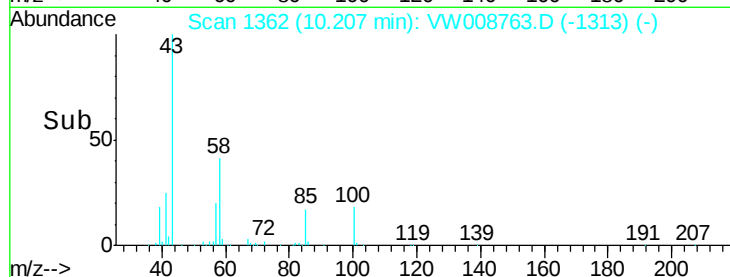
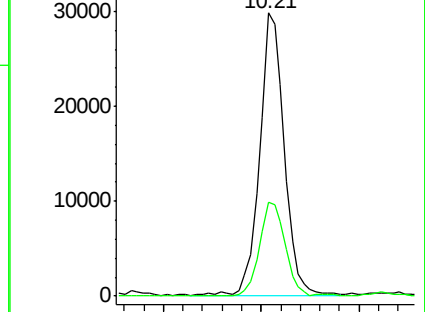
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2/22/2019 12:24:57 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 4.958 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW008763.D

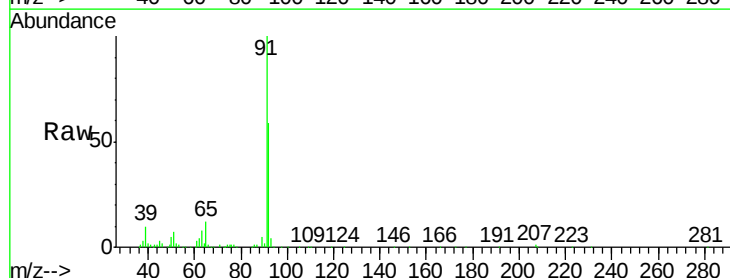
Acq: 21 Feb 2019 10:56

Tgt Ion: 92 Resp: 44078

Ion Ratio Lower Upper

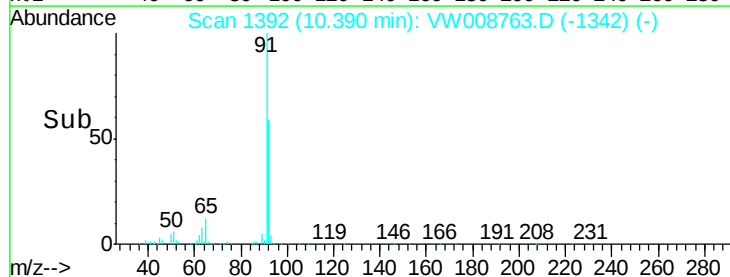
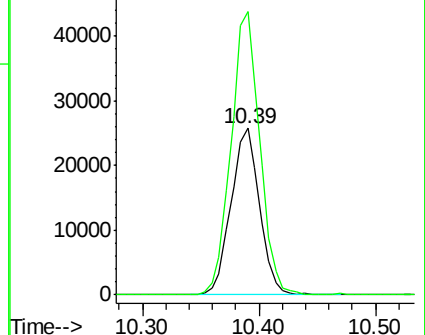
92 100

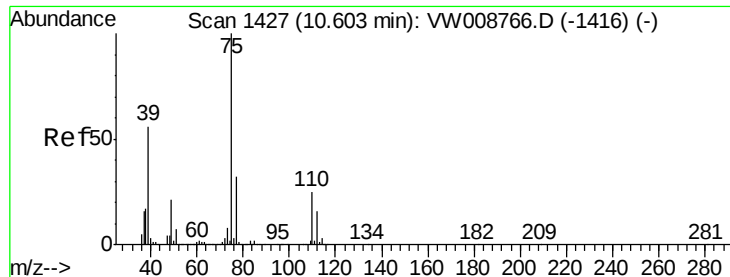
91 170.6 136.9 205.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 4.403 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008763.D

Acq: 21 Feb 2019 10:56

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 19662

Ion Ratio Lower Upper

75 100

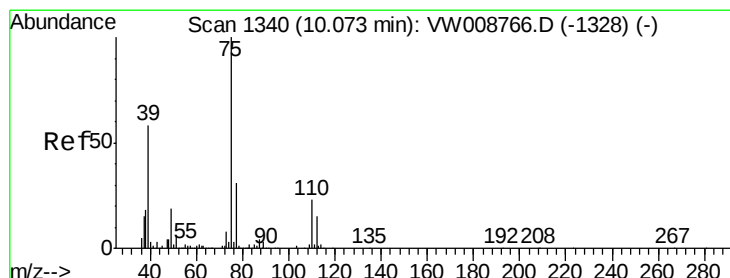
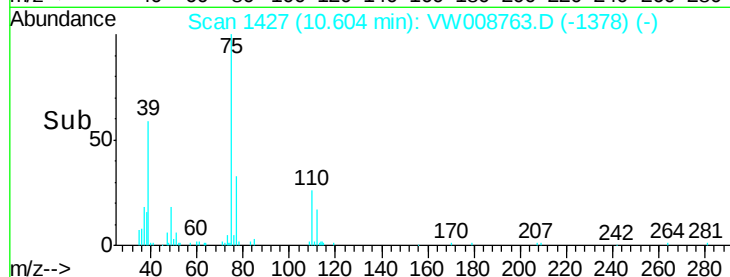
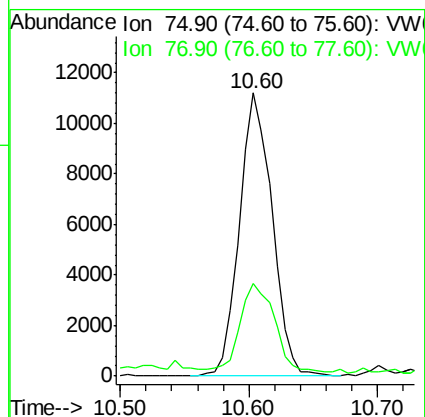
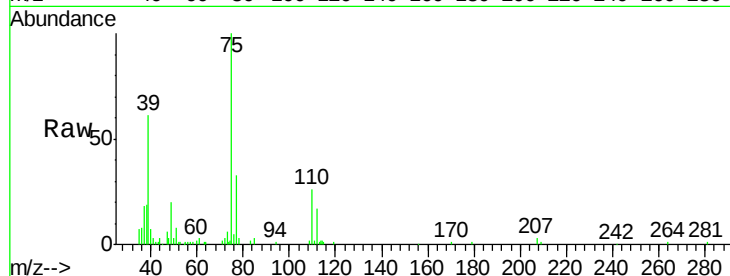
77 30.2 26.1 39.1

Manual Integrations

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2/22/2019 12:24:57 PM



#54

cis-1,3-Dichloropropene

Concen: 4.380 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008763.D

Acq: 21 Feb 2019 10:56

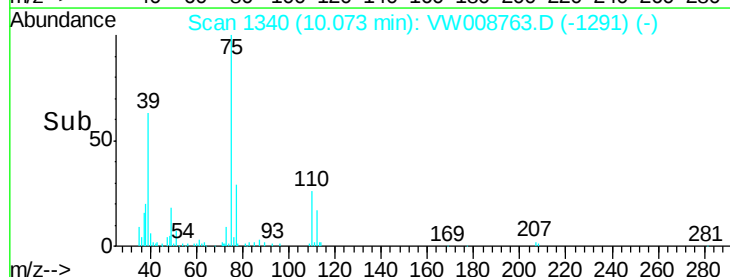
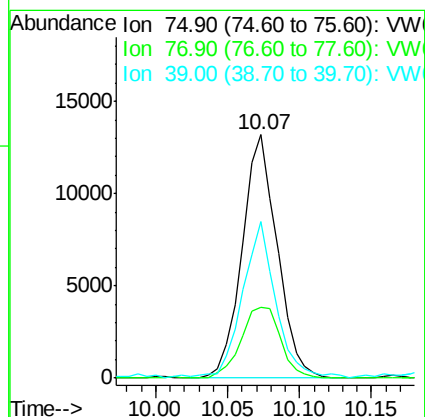
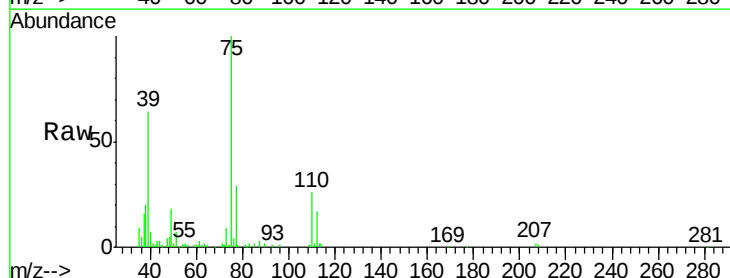
Tgt Ion: 75 Resp: 22308

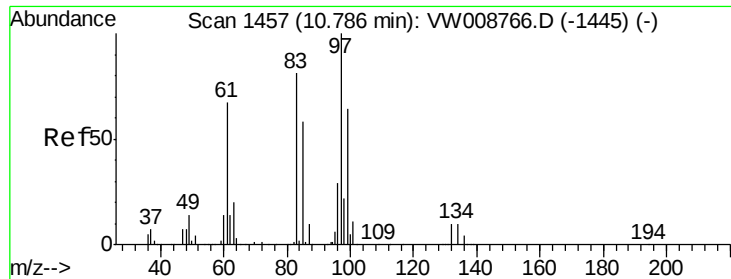
Ion Ratio Lower Upper

75 100

77 29.0 25.0 37.4

39 63.7 46.6 70.0





#55

1,1,2-Trichloroethane

Concen: 4.748 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW008763.D

Acq: 21 Feb 2019 10:56

Instrument :

MSVOA\_W

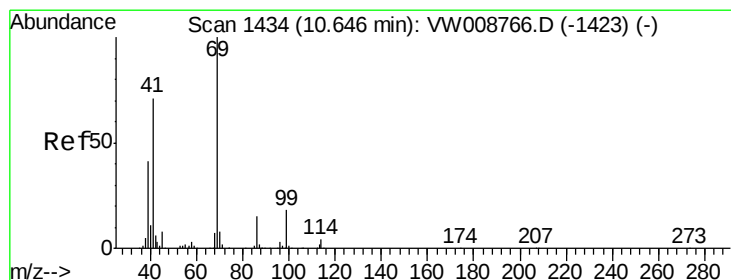
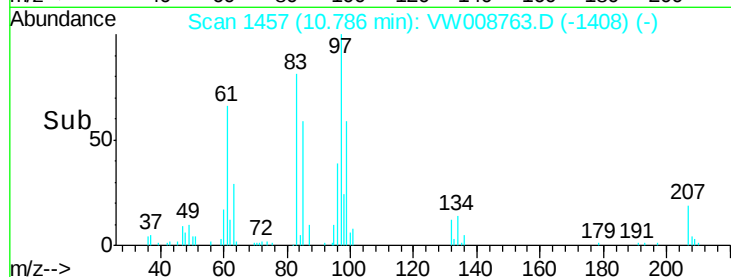
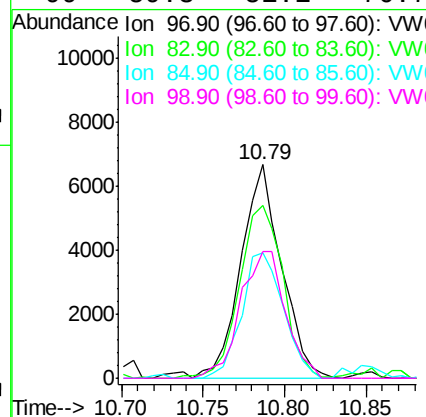
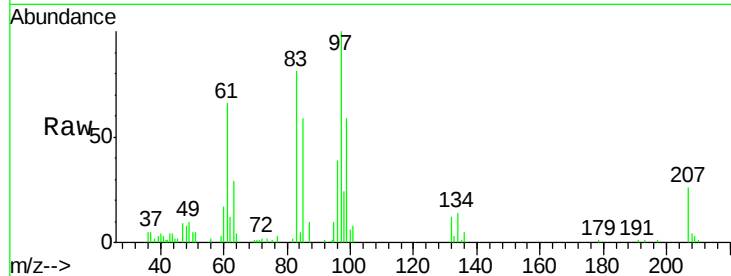
ClientSampled :

VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 11594 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 79.8  | 65.0  | 97.6  |
| 85       | 58.8  | 46.0  | 69.0  |
| 99       | 59.3  | 51.1  | 76.7  |

Manual Integrations  
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2/22/2019 12:24:57 PM



#56

Ethyl methacrylate

Concen: 4.204 ug/l

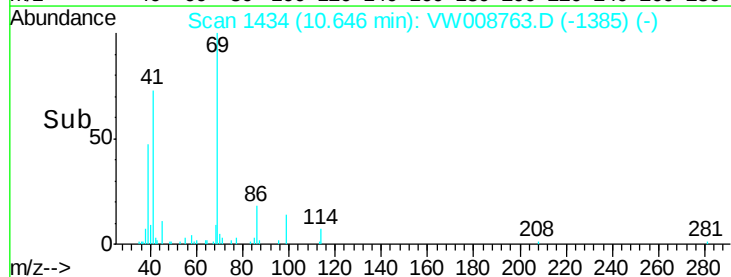
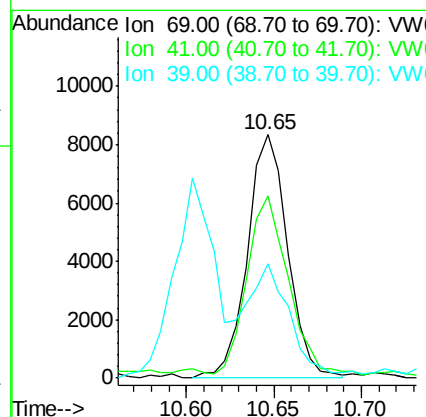
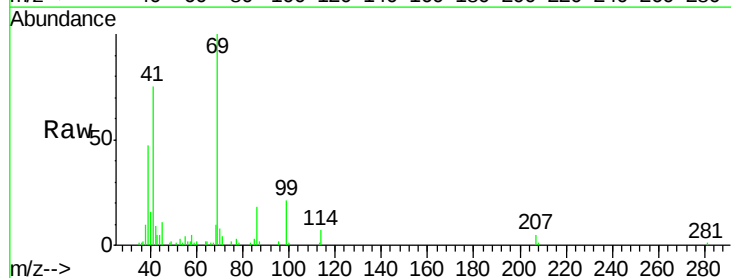
RT: 10.65 min Scan# 1434

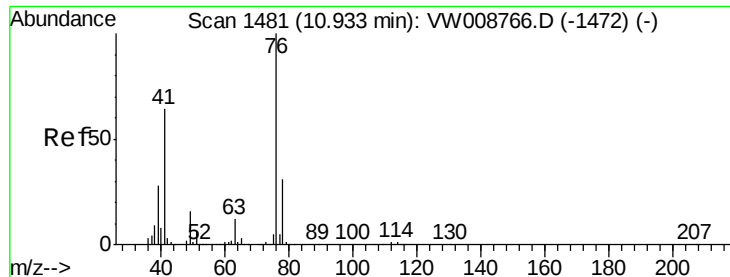
Delta R.T. 0.00 min

Lab File: VW008763.D

Acq: 21 Feb 2019 10:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 13336 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 75.4  | 57.4  | 86.0  |
| 39       | 43.7  | 34.8  | 52.2  |





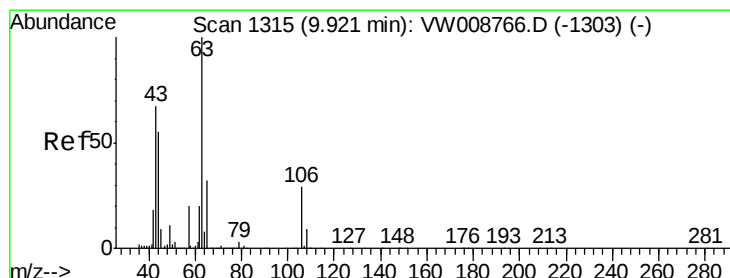
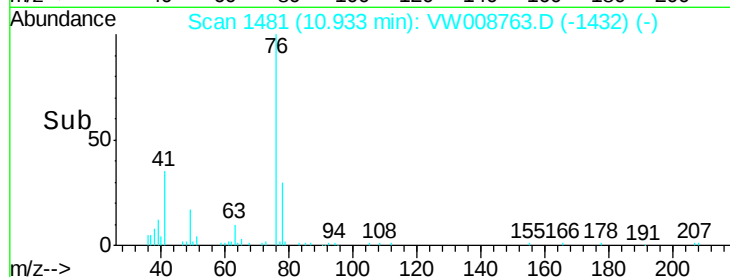
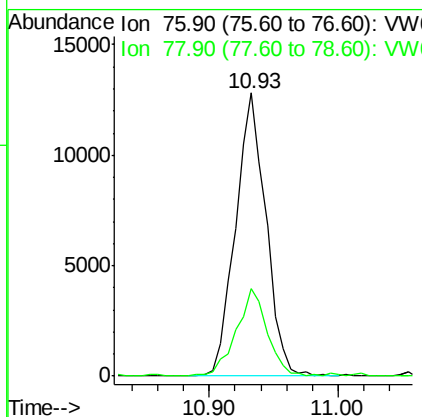
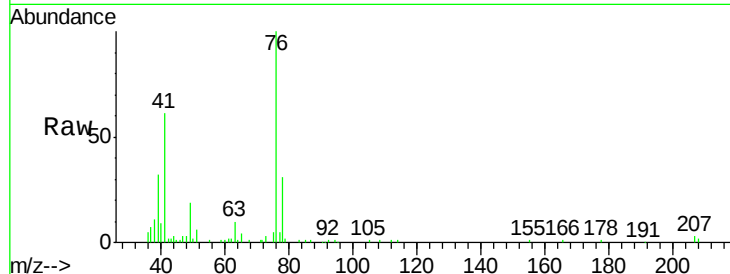
#57  
 1,3-Dichloropropane  
 Concen: 4.860 ug/l  
 RT: 10.93 min Scan# 1481  
 Delta R.T. 0.00 min  
 Lab File: VW008763.D  
 Acq: 21 Feb 2019 10:56

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

Tot Ion: 76 Resp: 20952  
 Ion Ratio Lower Upper  
 76 100  
 78 31.5 25.8 38.8

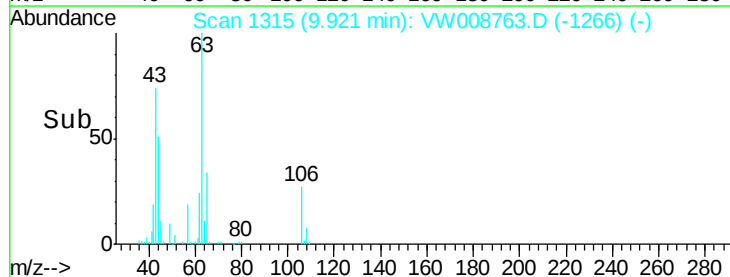
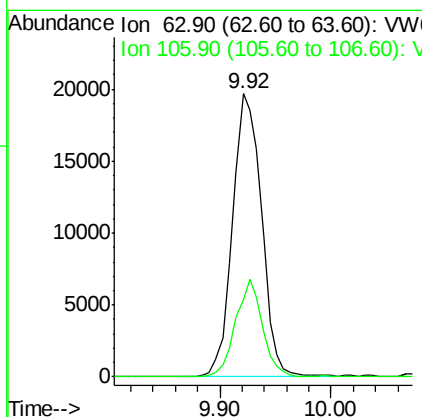
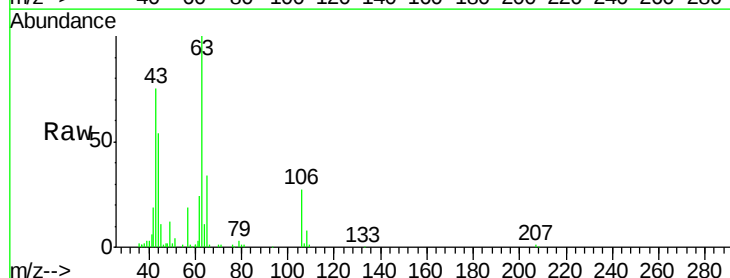
Manual Integrations  
 APPROVED

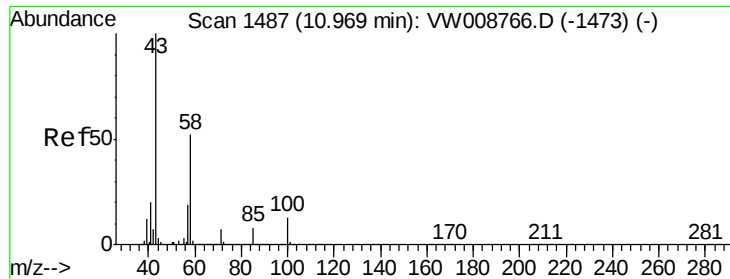
MMDadoda  
 2/22/2019 12:24:57 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 22.252 ug/l  
 RT: 9.92 min Scan# 1315  
 Delta R.T. 0.00 min  
 Lab File: VW008763.D  
 Acq: 21 Feb 2019 10:56

Tgt Ion: 63 Resp: 35505  
 Ion Ratio Lower Upper  
 63 100  
 106 31.9 24.0 36.0





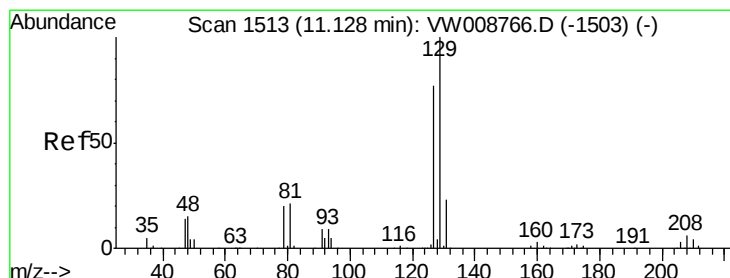
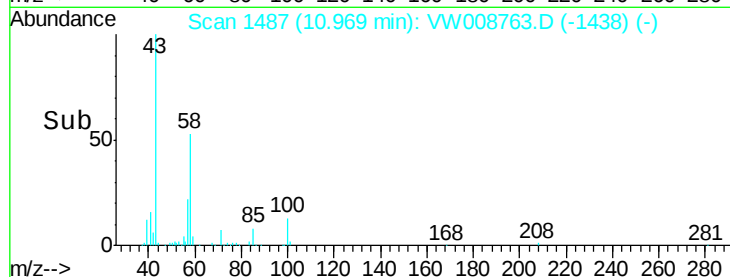
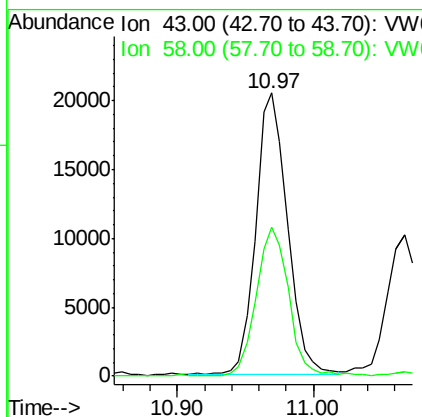
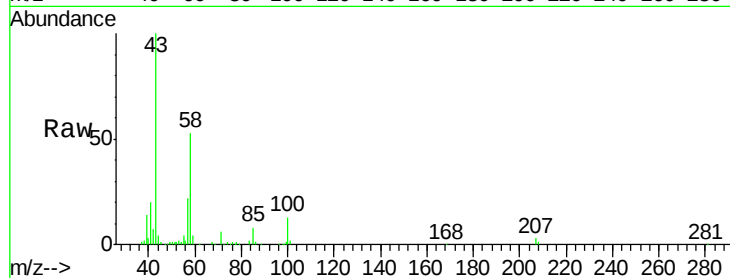
#59  
2-Hexanone  
Concen: 20.848 ug/l  
RT: 10.97 min Scan# 1487  
Delta R.T. 0.00 min  
Lab File: VW008763.D  
Acq: 21 Feb 2019 10:56

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

Tot Ion: 43 Resp: 33549  
Ion Ratio Lower Upper  
43 100  
58 54.4 25.3 75.8

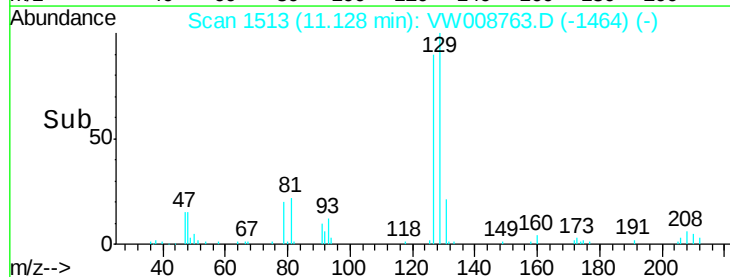
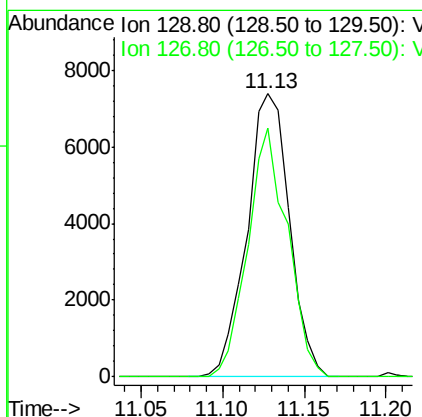
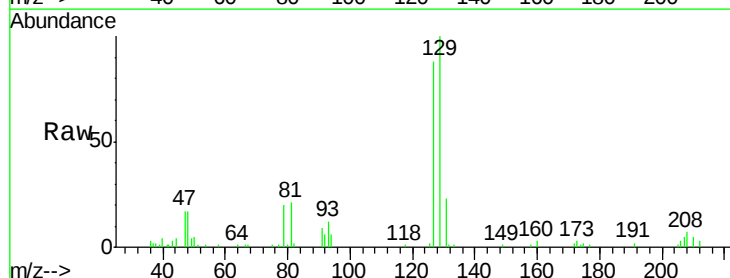
Manual Integrations  
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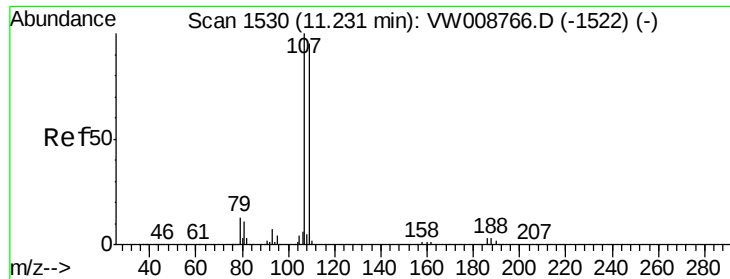
MMDadoda  
2/22/2019 12:24:57 PM



#60  
Dibromochloromethane  
Concen: 4.503 ug/l  
RT: 11.13 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VW008763.D  
Acq: 21 Feb 2019 10:56

Tgt Ion: 129 Resp: 13412  
Ion Ratio Lower Upper  
129 100  
127 82.0 39.0 116.9





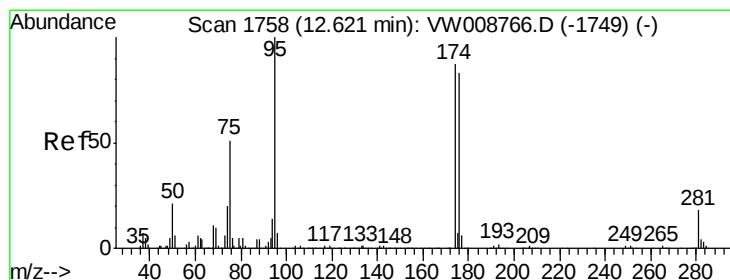
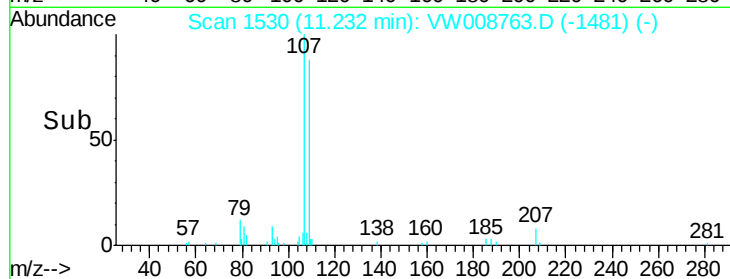
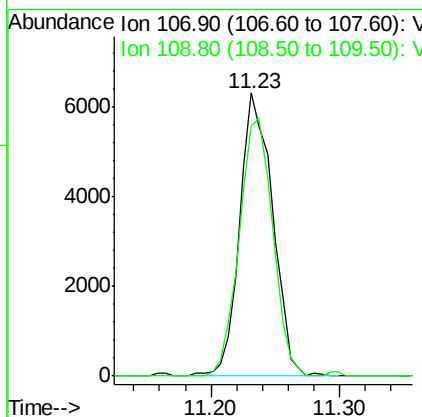
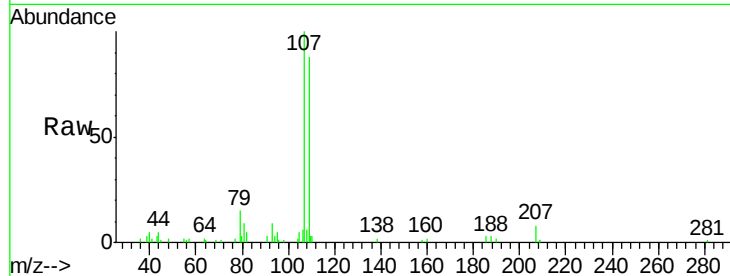
#61  
 1,2-Dibromoethane  
 Concen: 4.611 ug/l  
 RT: 11.23 min Scan# 1530  
 Delta R.T. 0.00 min  
 Lab File: VW008763.D  
 Acq: 21 Feb 2019 10:56

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

Tot Ion: 107 Resp: 11144  
 Ion Ratio Lower Upper  
 107 100  
 109 92.7 75.6 113.4

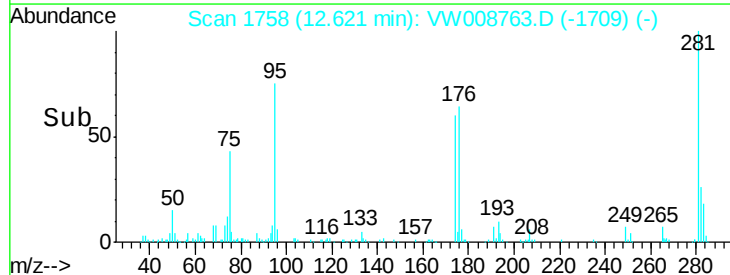
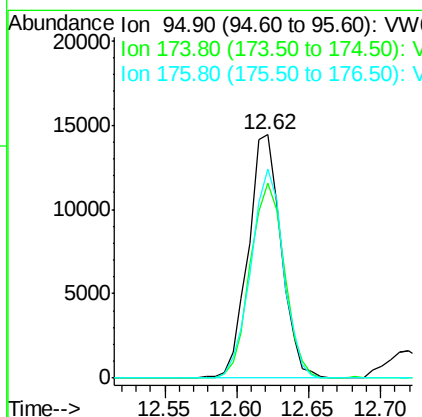
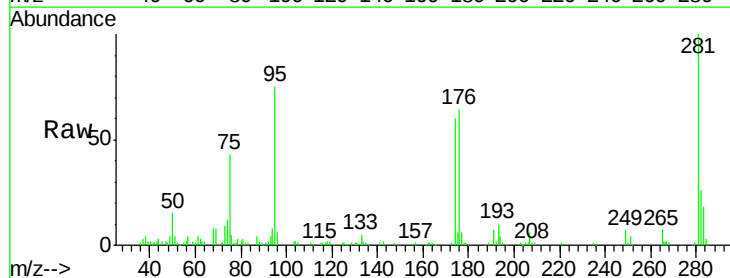
Manual Integrations  
 APPROVED

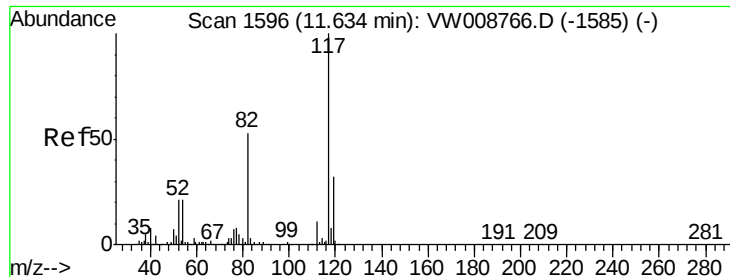
MMDadoda  
 2/22/2019 12:24:57 PM



#62  
 4-Bromofluorobenzene  
 Concen: 5.095 ug/l  
 RT: 12.62 min Scan# 1758  
 Delta R.T. 0.00 min  
 Lab File: VW008763.D  
 Acq: 21 Feb 2019 10:56

Tgt Ion: 95 Resp: 22788  
 Ion Ratio Lower Upper  
 95 100  
 174 82.7 0.0 169.2  
 176 84.8 0.0 163.6





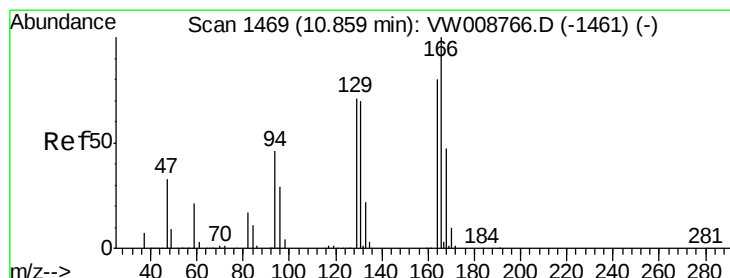
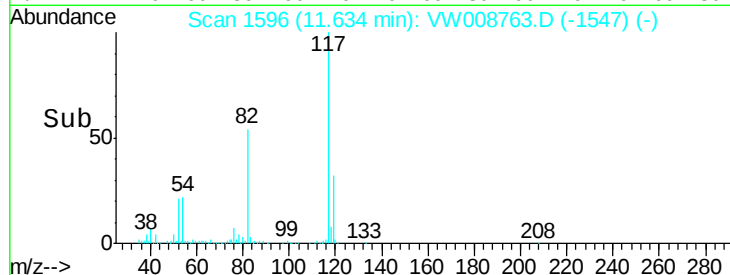
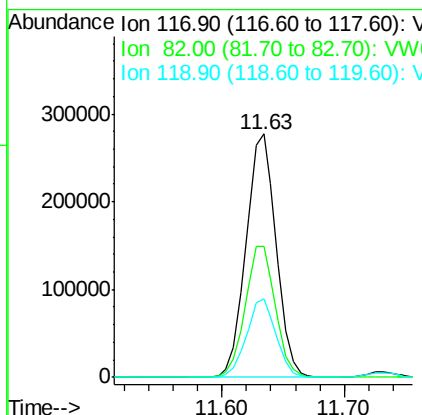
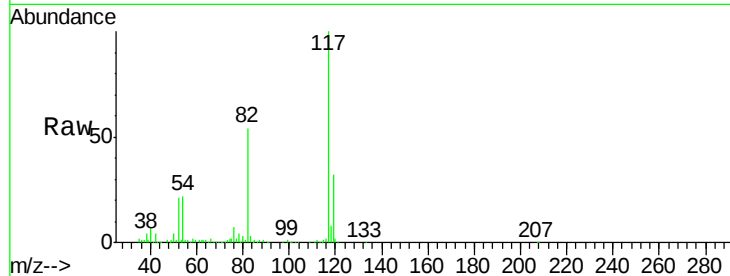
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW008763.D  
Acq: 21 Feb 2019 10:56

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 473720 |       |       |
| 82      | 53.9  |        | 42.2  | 63.4  |
| 119     | 32.5  |        | 25.9  | 38.9  |

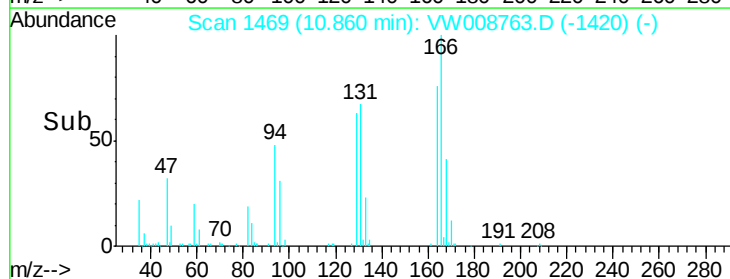
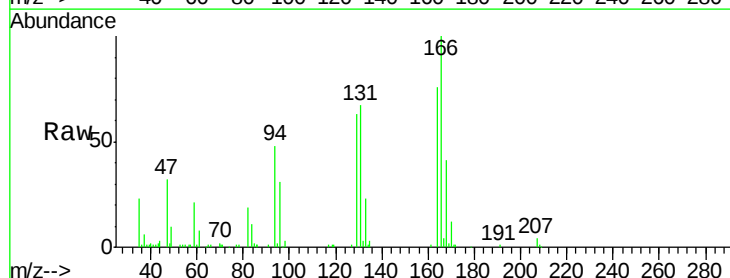
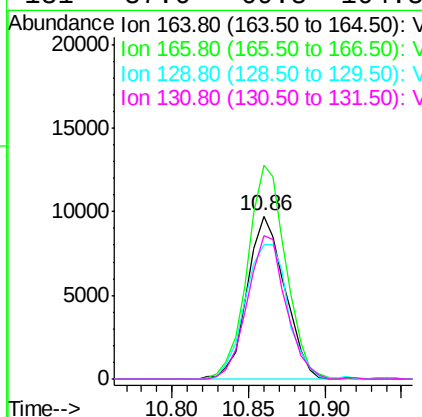
Manual Integrations  
APPROVED

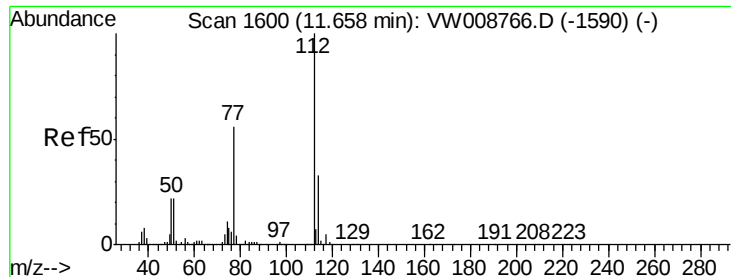
MMDadoda  
2/22/2019 12:24:57 PM



#64  
Tetrachloroethene  
Concen: 4.928 ug/l  
RT: 10.86 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VW008763.D  
Acq: 21 Feb 2019 10:56

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 16710 |       |       |
| 166     | 130.9 |       | 99.5  | 149.3 |
| 129     | 82.4  |       | 71.1  | 106.7 |
| 131     | 87.6  |       | 69.8  | 104.8 |





#65

Chlorobenzene

Concen: 4.912 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008763.D

Acq: 21 Feb 2019 10:56

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 48931

Ion Ratio Lower Upper

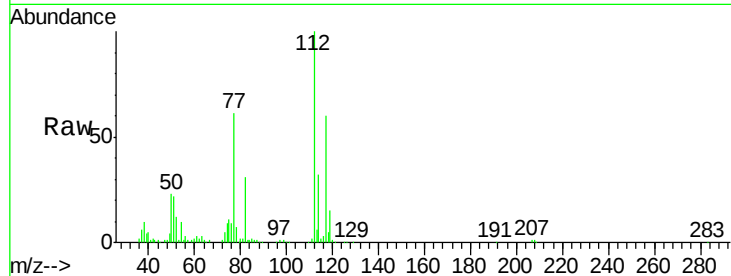
112 100

114 32.3 26.6 40.0

Manual Integrations  
APPROVED

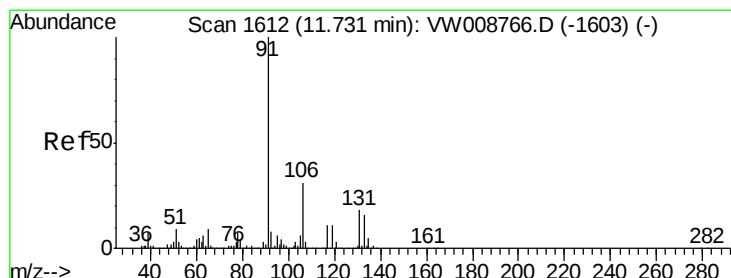
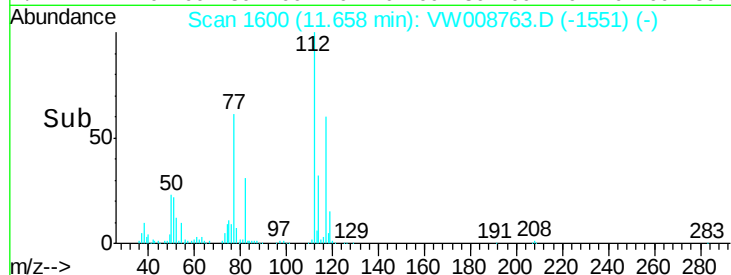
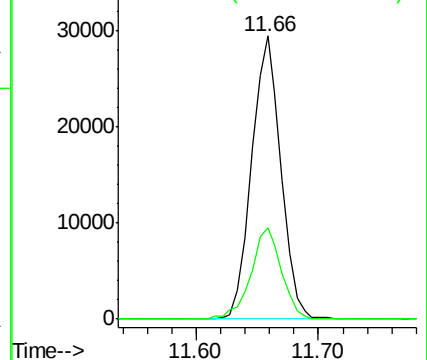
MMDadoda

2/22/2019 12:24:57 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 4.643 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008763.D

Acq: 21 Feb 2019 10:56

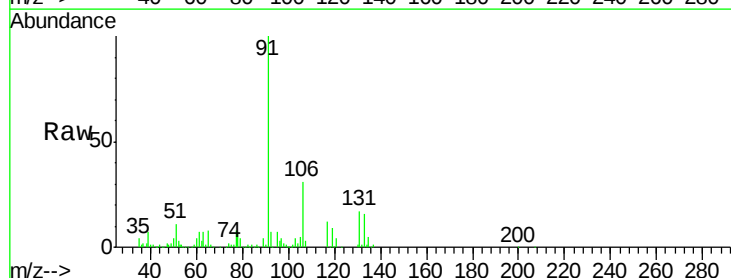
Tgt Ion:131 Resp: 15637

Ion Ratio Lower Upper

131 100

133 93.4 46.7 140.0

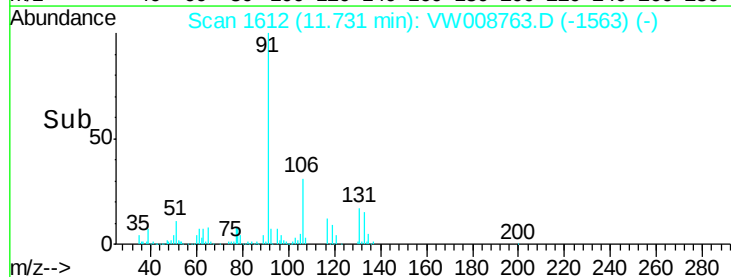
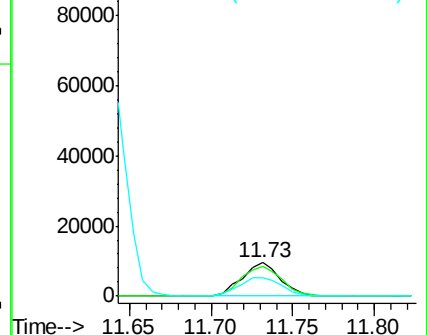
119 59.8 30.8 92.4

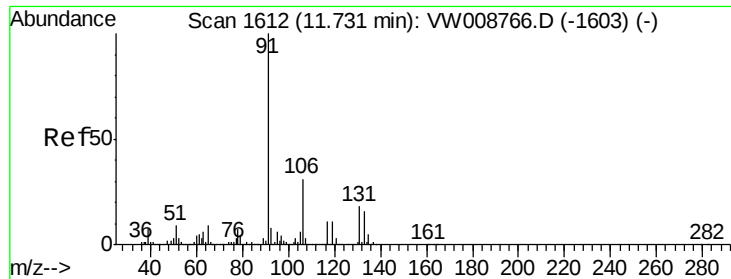


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





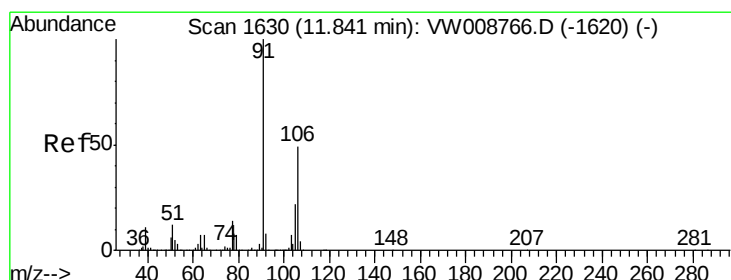
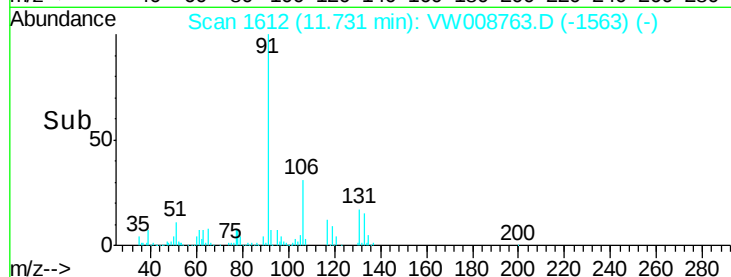
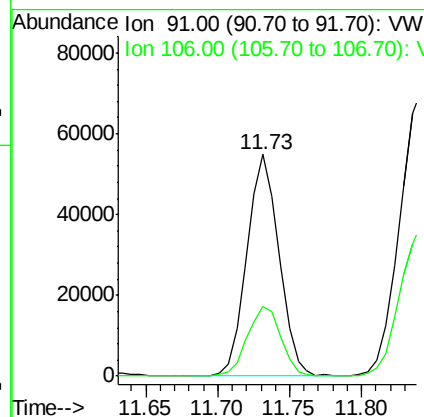
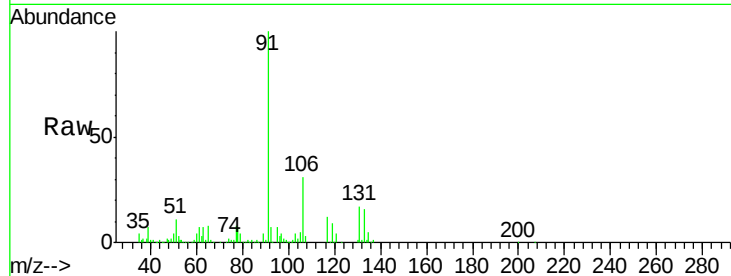
#67  
Ethyl Benzene  
Concen: 4.769 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW008763.D  
Acq: 21 Feb 2019 10:56

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

Tot Ion: 91 Resp: 84919  
Ion Ratio Lower Upper  
91 100  
106 31.1 25.0 37.6

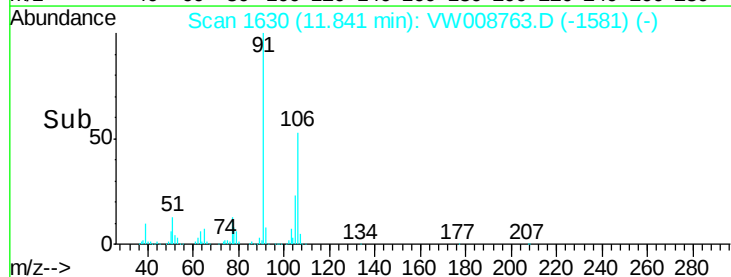
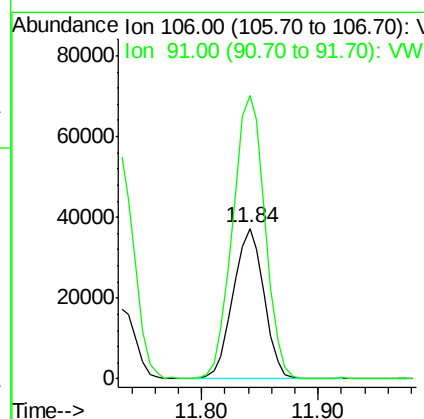
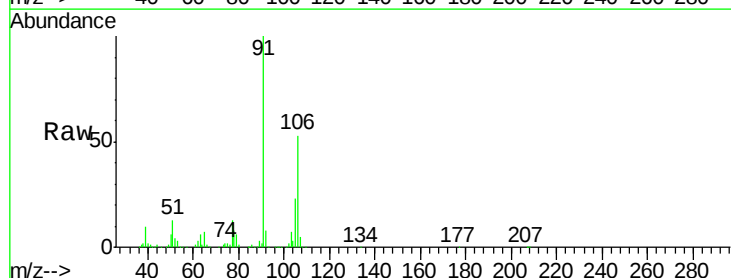
Manual Integrations  
APPROVED

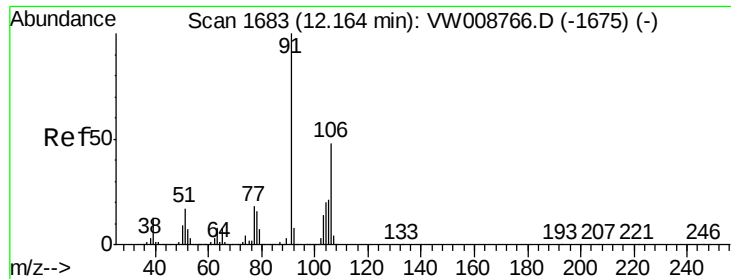
MMDadoda  
2/22/2019 12:24:57 PM



#68  
m/p-Xylenes  
Concen: 9.679 ug/l  
RT: 11.84 min Scan# 1630  
Delta R.T. 0.00 min  
Lab File: VW008763.D  
Acq: 21 Feb 2019 10:56

Tgt Ion: 106 Resp: 68867  
Ion Ratio Lower Upper  
106 100  
91 196.3 161.5 242.3





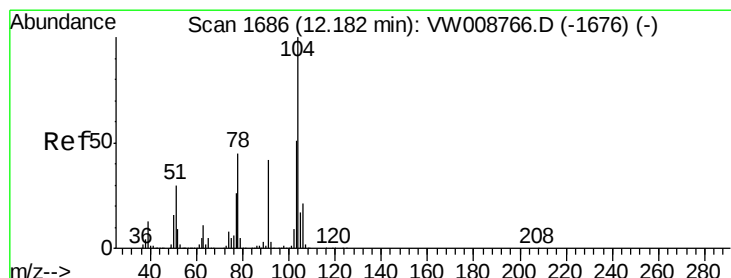
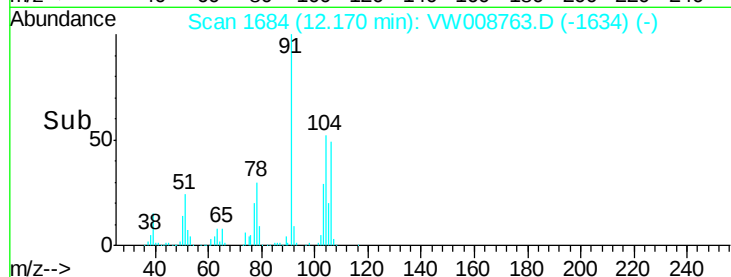
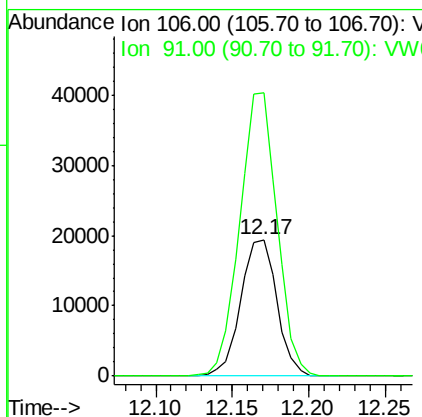
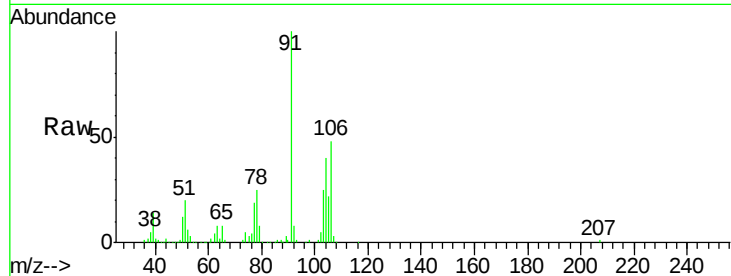
#69  
o-Xylene  
Concen: 4.780 ug/l  
RT: 12.17 min Scan# 1684  
Delta R.T. 0.01 min  
Lab File: VW008763.D  
Acq: 21 Feb 2019 10:56

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 106     | 100   |       |       |       |
| 91      | 213.7 | 106.2 | 318.6 |       |

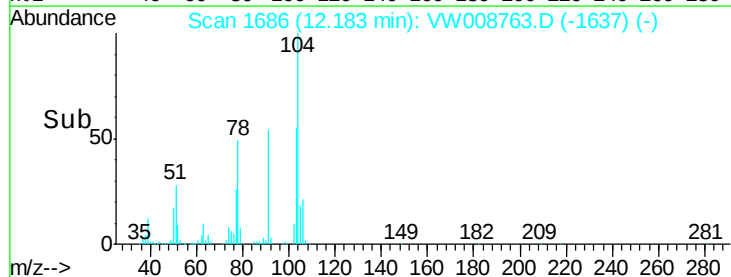
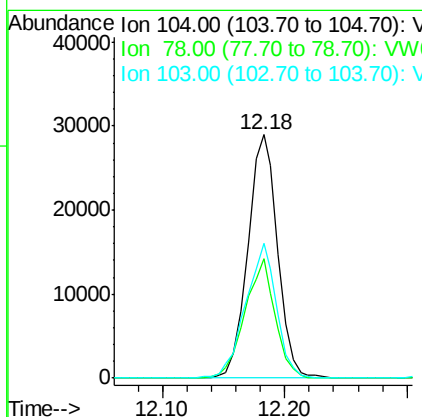
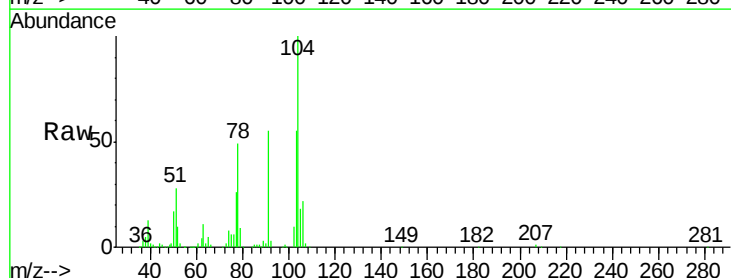
Manual Integrations  
APPROVED

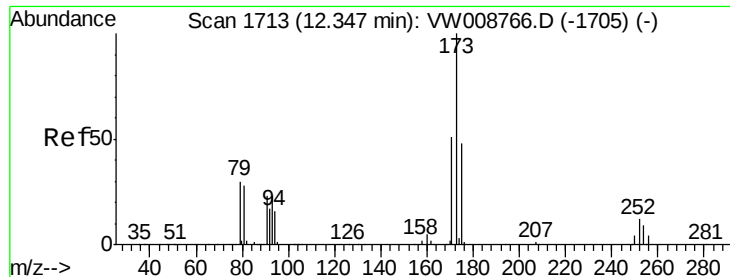
MMDadoda  
2/22/2019 12:24:57 PM



#70  
Styrene  
Concen: 4.551 ug/l  
RT: 12.18 min Scan# 1686  
Delta R.T. 0.00 min  
Lab File: VW008763.D  
Acq: 21 Feb 2019 10:56

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 104     | 100  |       |       |       |
| 78      | 49.9 | 40.8  | 61.2  |       |
| 103     | 57.7 | 44.2  | 66.2  |       |





#71

Bromoform

Concen: 4.489 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW008763.D

Acq: 21 Feb 2019 10:56

Instrument :

MSVOA\_W

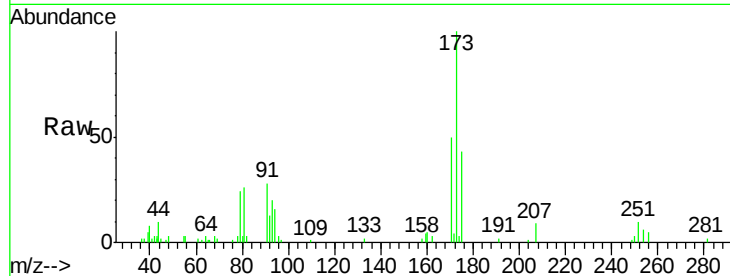
ClientSampleId :

VSTDIC005

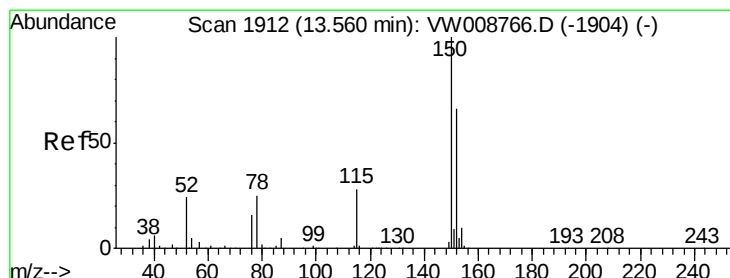
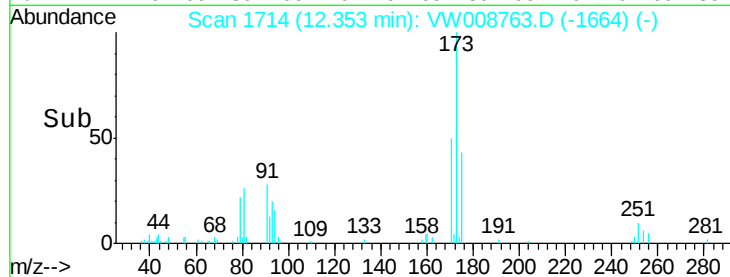
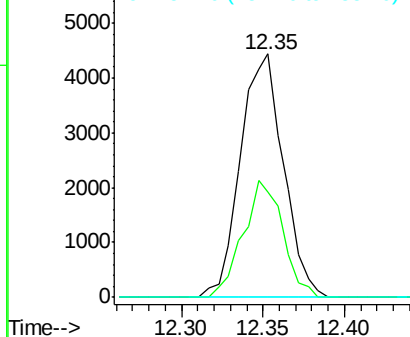
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 44.3  | 24.2  | 72.6  |
| 254     | 0.0   | 0.2   | 0.4   |

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

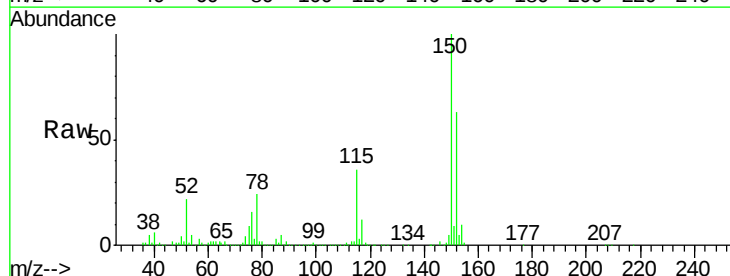
RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

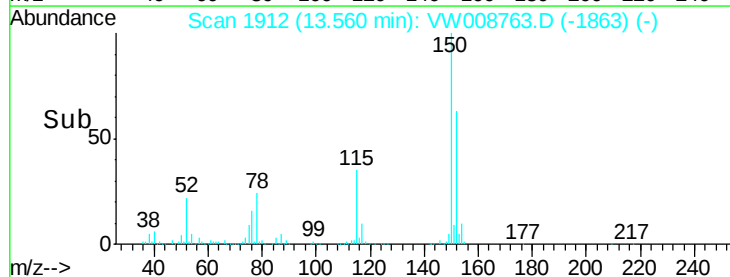
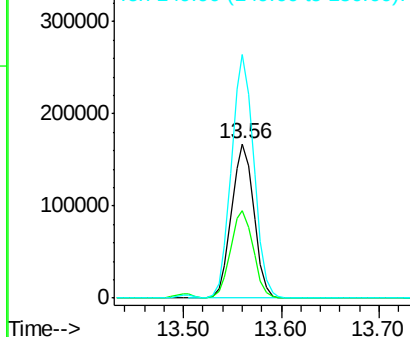
Lab File: VW008763.D

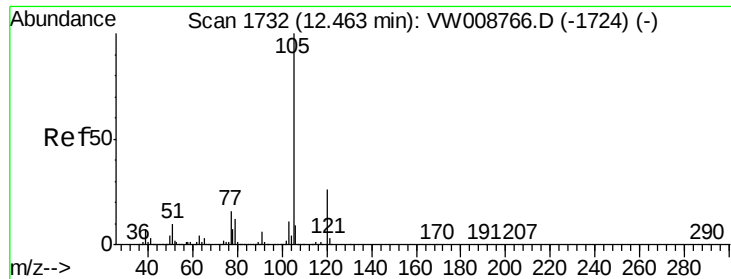
Acq: 21 Feb 2019 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 57.4  | 28.6  | 85.8  |
| 150     | 158.4 | 0.0   | 348.0 |



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





#73

Isopropylbenzene

Concen: 4.591 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW008763.D

Acq: 21 Feb 2019 10:56

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 83525

Ion Ratio Lower Upper

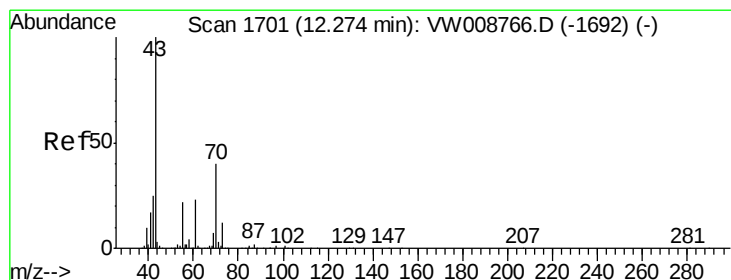
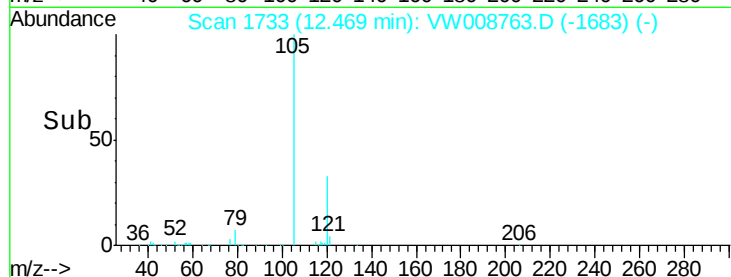
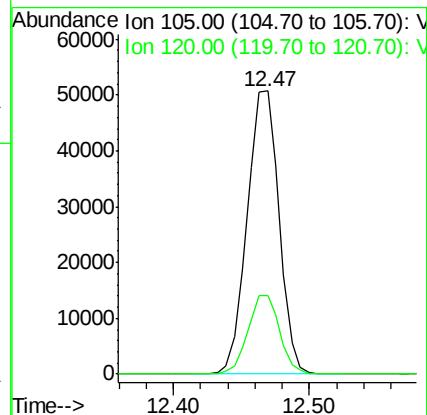
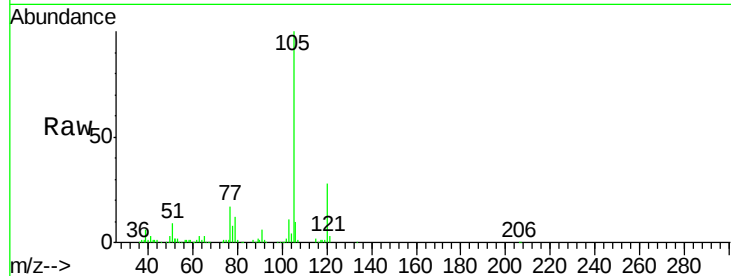
105 100

120 27.6 13.3 39.9

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#74

N-ethyl acetate

Concen: 4.220 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008763.D

Acq: 21 Feb 2019 10:56

Tgt Ion: 43 Resp: 19337

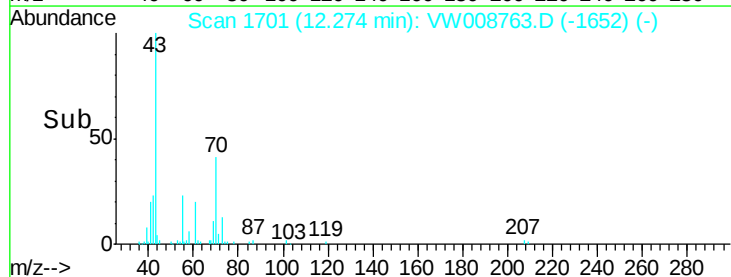
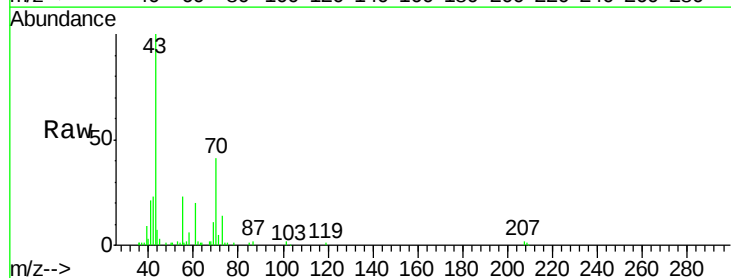
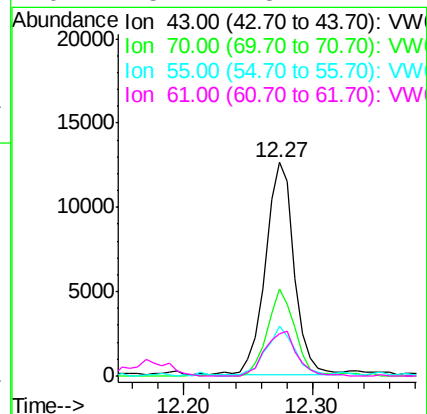
Ion Ratio Lower Upper

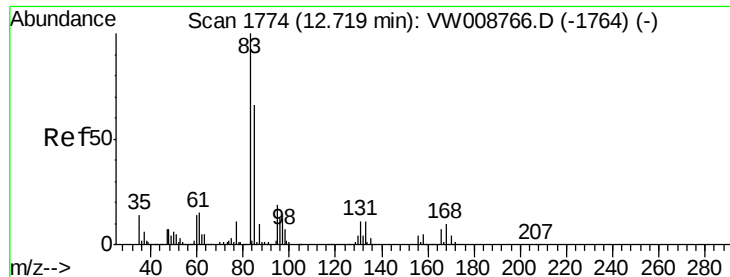
43 100

70 39.2 31.0 46.6

55 23.6 18.7 28.1

61 23.4 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 4.840 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008763.D

Acq: 21 Feb 2019 10:56

Instrument :

MSVOA\_W

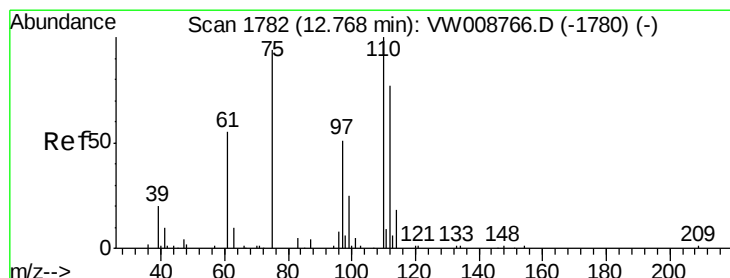
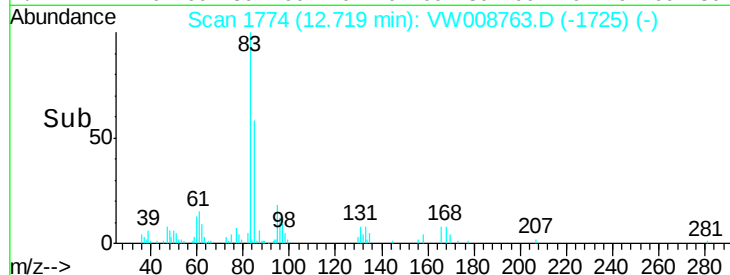
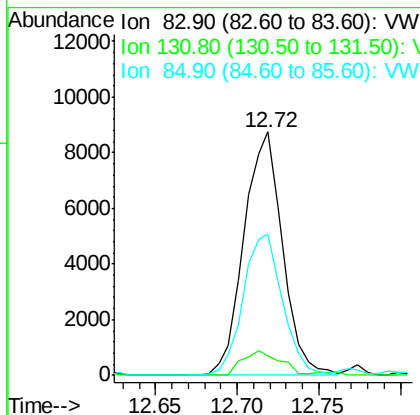
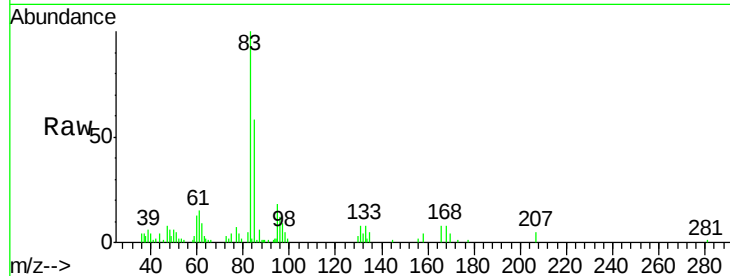
ClientSampleId :

VSTDIC005

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 14386 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 9.9   | 5.5   | 16.7  |
| 85        | 59.0  | 33.0  | 98.9  |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 5.170 ug/l m

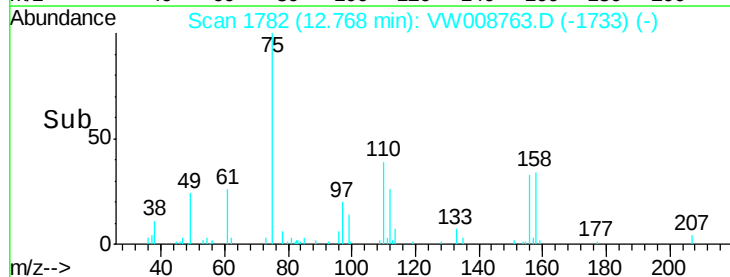
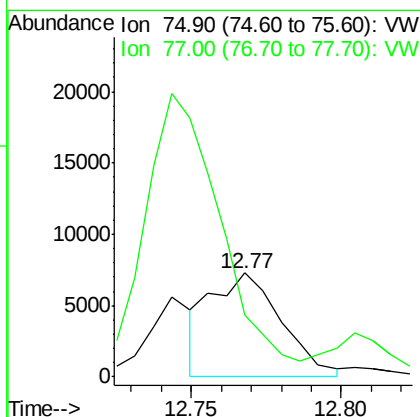
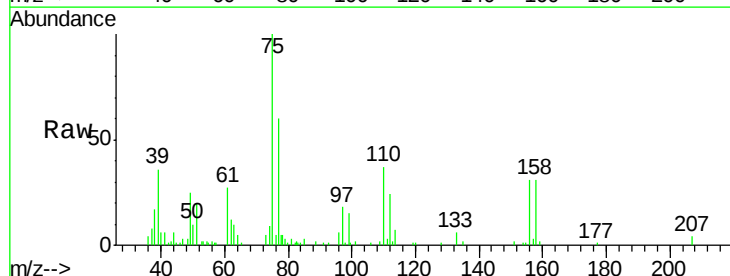
RT: 12.77 min Scan# 1782

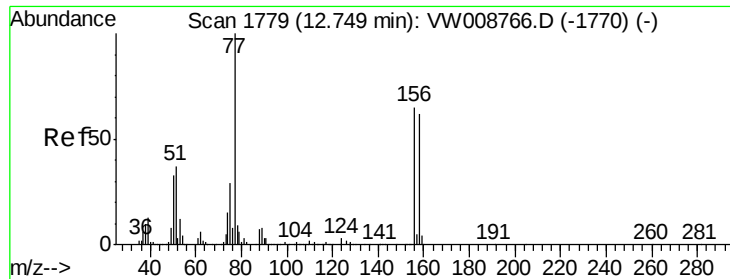
Delta R.T. 0.00 min

Lab File: VW008763.D

Acq: 21 Feb 2019 10:56

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 11869 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





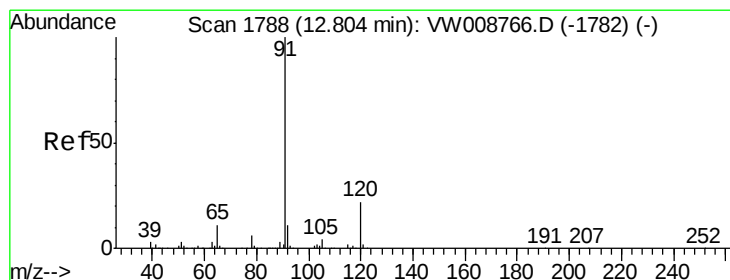
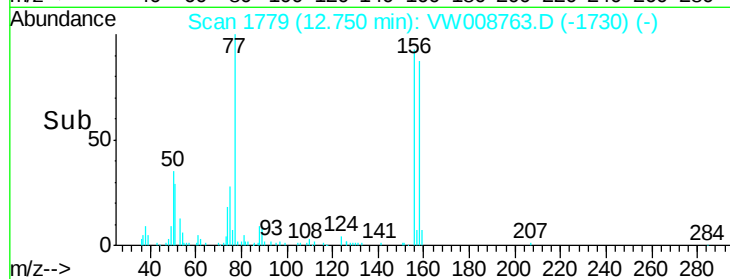
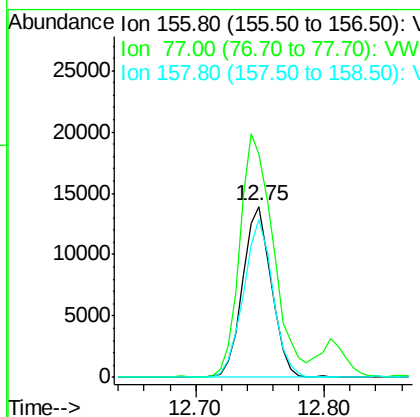
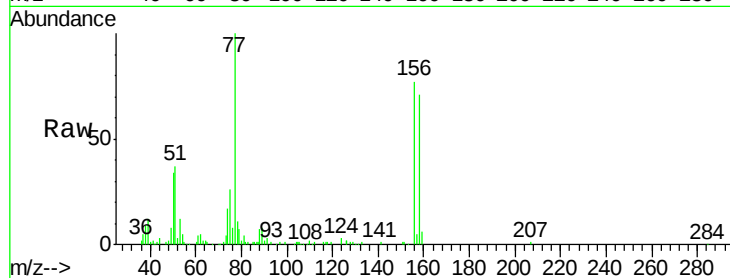
#77  
Bromobenzene  
Concen: 4.975 ug/l  
RT: 12.75 min Scan# 1779  
Delta R.T. 0.00 min  
Lab File: VW008763.D  
Acq: 21 Feb 2019 10:56

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 166.1 | 89.1  | 267.4 |
| 158     | 94.5  | 49.2  | 147.6 |

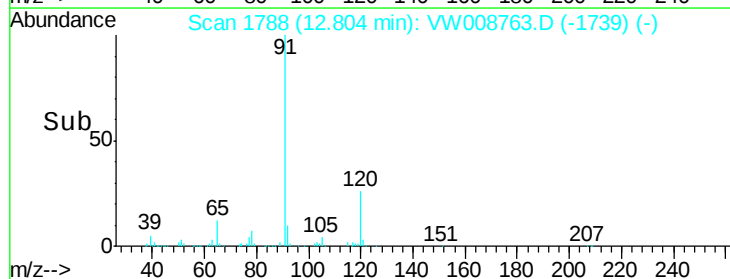
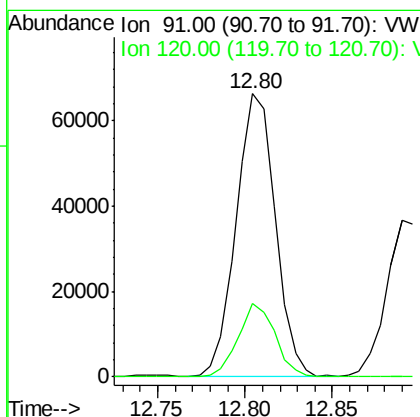
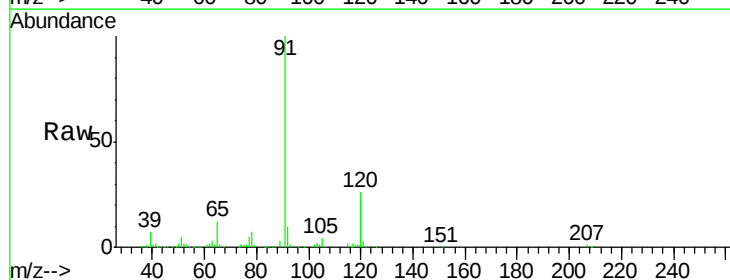
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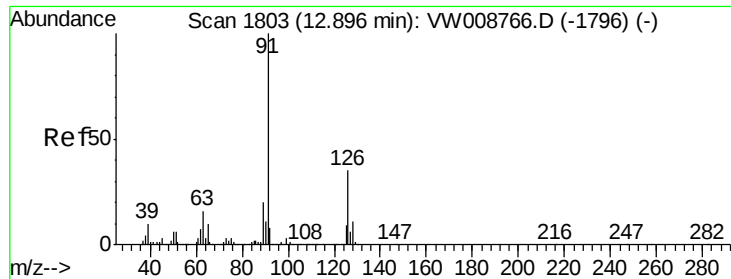
MMDadoda  
2/22/2019 12:24:57 PM



#78  
n-propylbenzene  
Concen: 4.640 ug/l  
RT: 12.80 min Scan# 1788  
Delta R.T. 0.00 min  
Lab File: VW008763.D  
Acq: 21 Feb 2019 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 24.6  | 11.5  | 34.4  |





#79

2-Chlorotoluene

Concen: 4.773 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW008763.D

Acq: 21 Feb 2019 10:56

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 60307

Ion Ratio Lower Upper

91 100

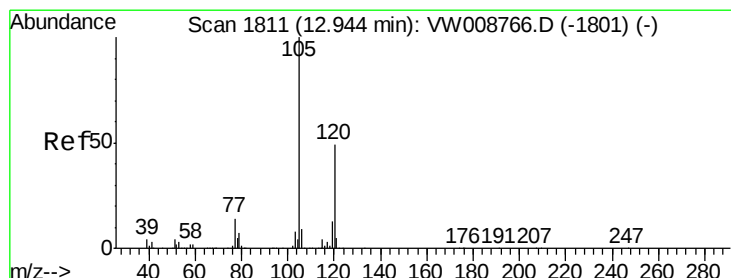
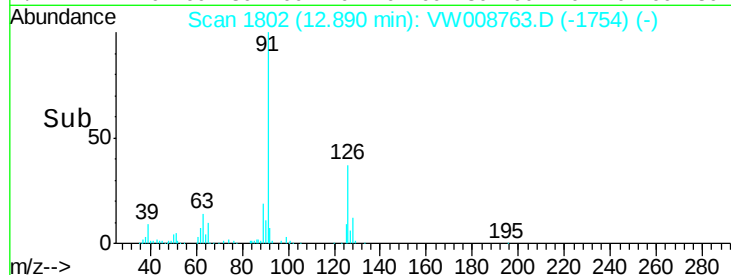
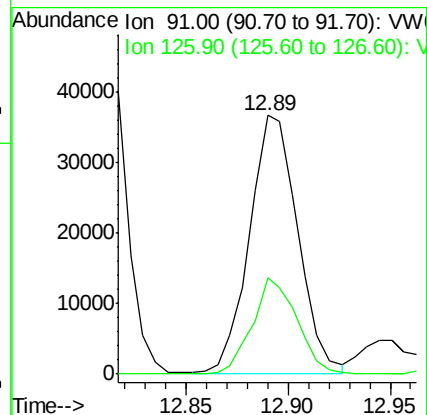
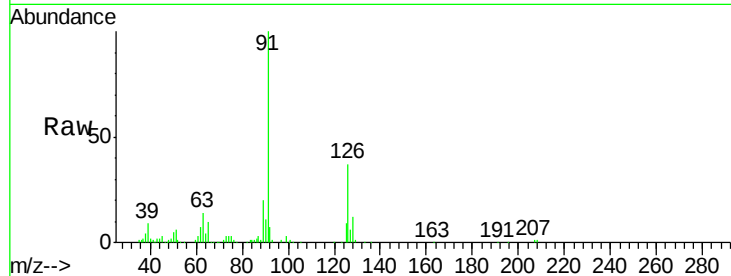
126 34.5 17.0 51.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 4.546 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008763.D

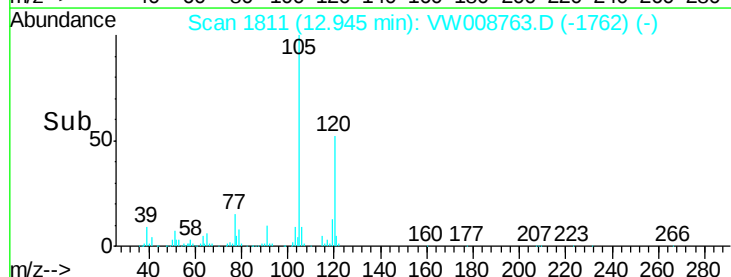
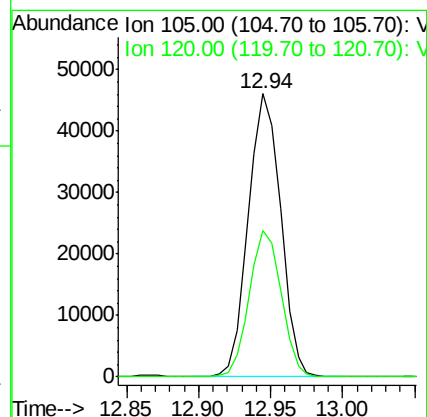
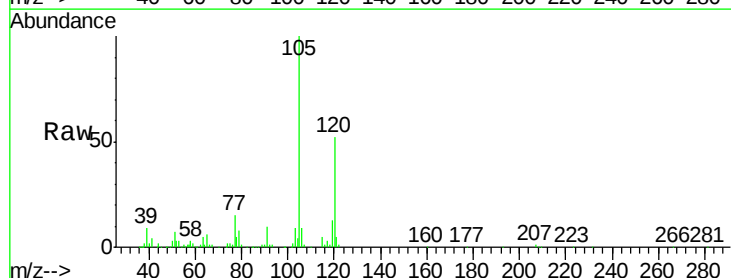
Acq: 21 Feb 2019 10:56

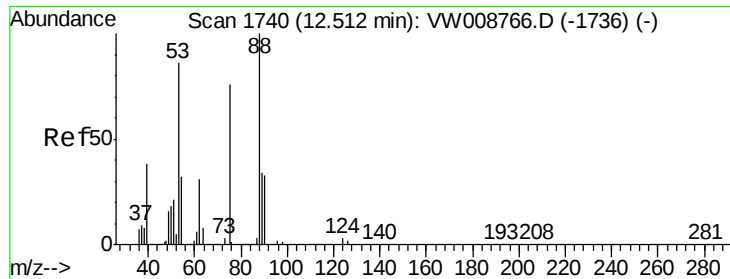
Tgt Ion: 105 Resp: 71874

Ion Ratio Lower Upper

105 100

120 51.0 24.8 74.4





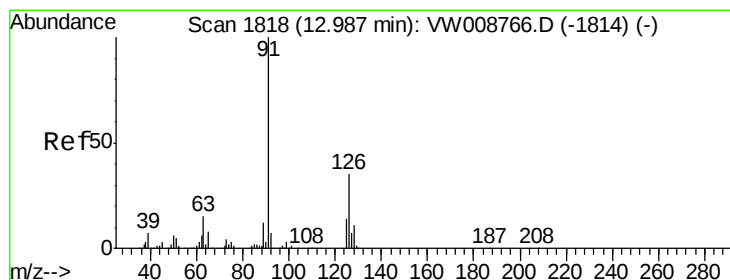
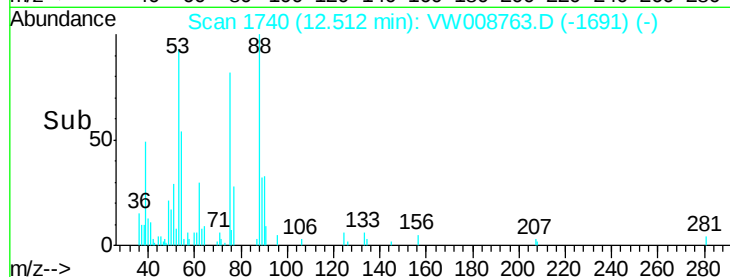
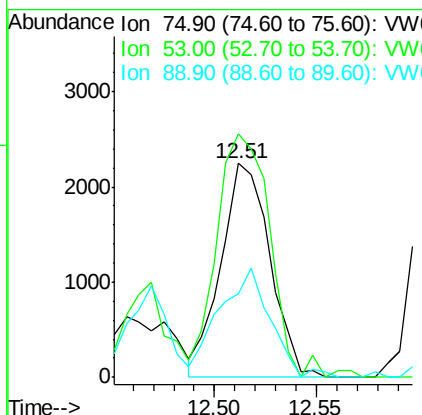
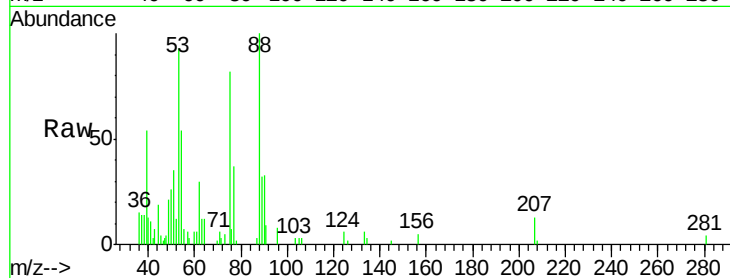
#81  
trans-1,4-Dichloro-2-butene  
Concen: 4.154 ug/l  
RT: 12.51 min Scan# 1740  
Delta R.T. 0.00 min  
Lab File: VW008763.D  
Acq: 21 Feb 2019 10:56

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 124.4 | 88.2  | 132.2 |
| 89      | 53.0  | 39.5  | 59.3  |

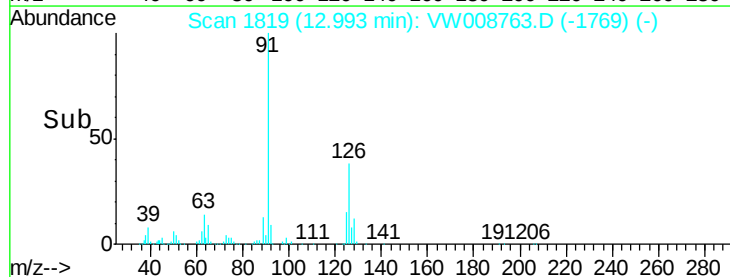
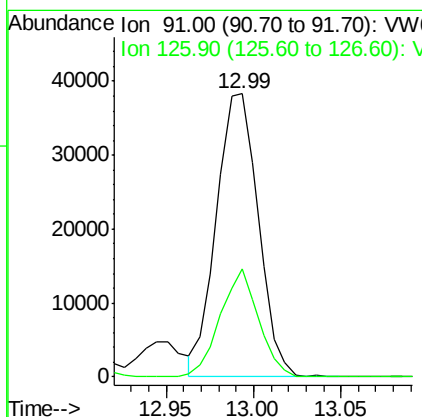
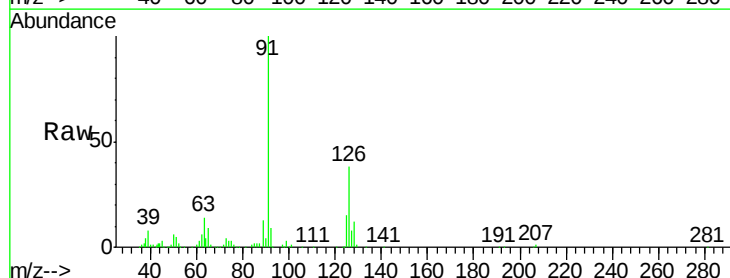
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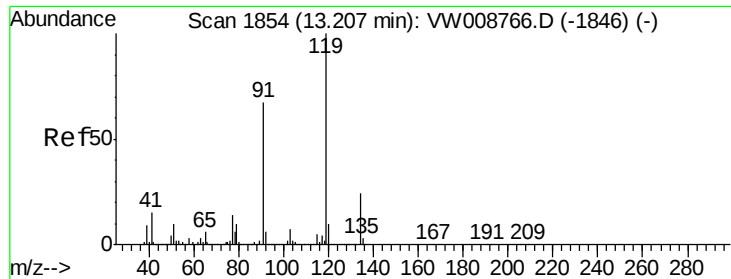
MMDadoda  
2/22/2019 12:24:57 PM



#82  
4-Chlorotoluene  
Concen: 4.772 ug/l  
RT: 12.99 min Scan# 1819  
Delta R.T. 0.01 min  
Lab File: VW008763.D  
Acq: 21 Feb 2019 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 35.2  | 17.2  | 51.6  |





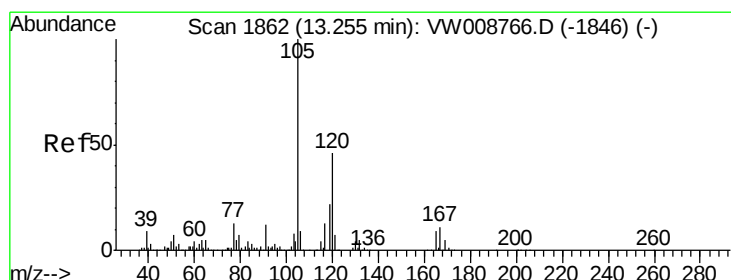
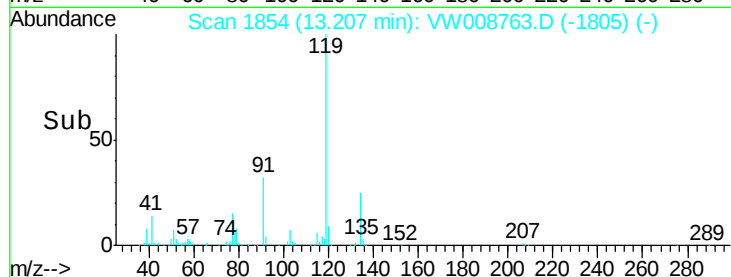
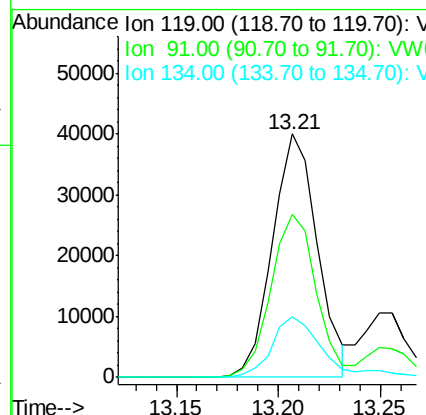
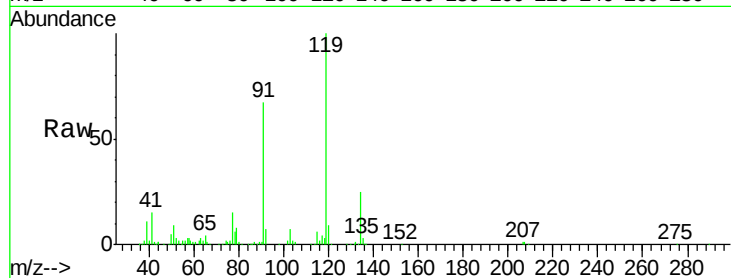
#83  
 tert-Butylbenzene  
 Concen: 4.497 ug/l  
 RT: 13.21 min Scan# 1854  
 Delta R.T. 0.00 min  
 Lab File: VW008763.D  
 Acq: 21 Feb 2019 10:56

Instrument :  
 MSVOA\_W  
 ClientSampleID :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 68.5  | 33.6  | 100.8 |
| 134     | 28.1  | 13.7  | 41.1  |

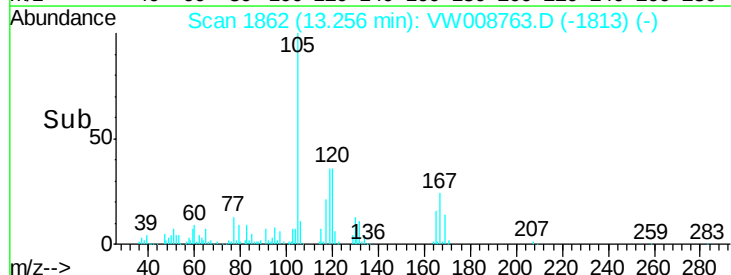
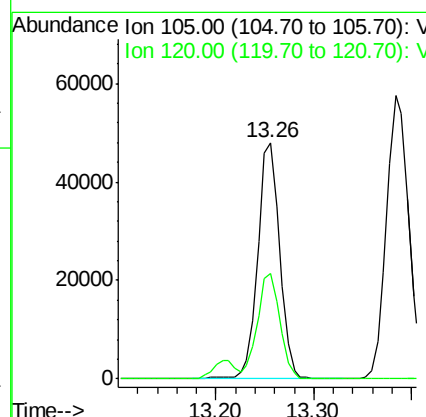
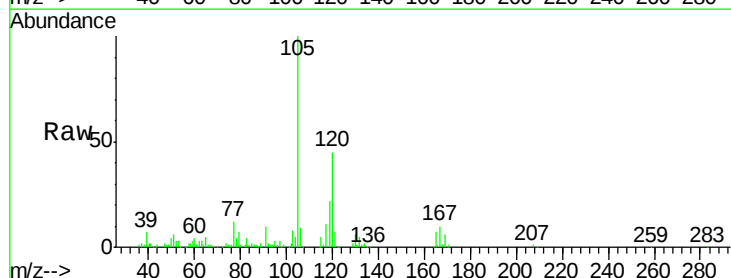
Manual Integrations  
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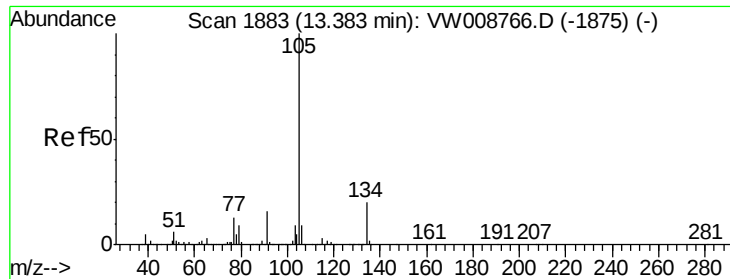
MMDadoda  
 2/22/2019 12:24:57 PM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 4.574 ug/l  
 RT: 13.26 min Scan# 1862  
 Delta R.T. 0.00 min  
 Lab File: VW008763.D  
 Acq: 21 Feb 2019 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.6  | 22.8  | 68.4  |





#85

sec-Butylbenzene

Concen: 4.619 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW008763.D

Acq: 21 Feb 2019 10:56

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 90796

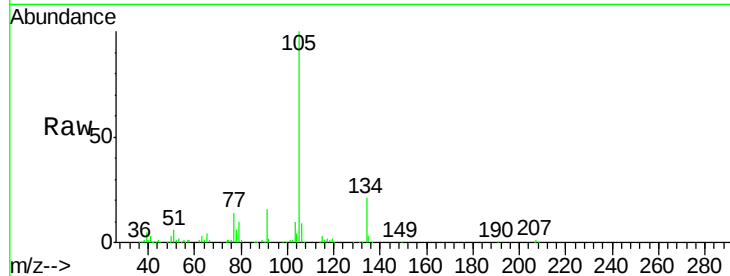
Ion Ratio Lower Upper

105 100

134 21.6 10.4 31.1

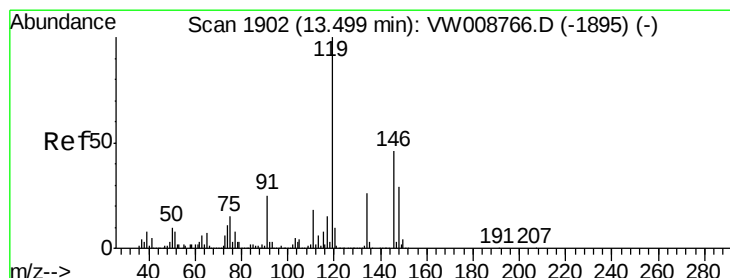
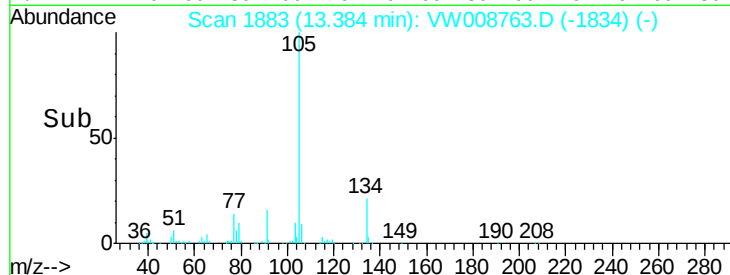
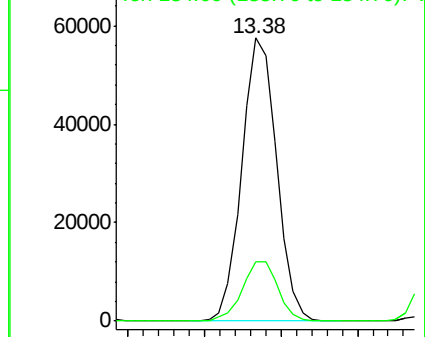
Manual Integrations  
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.571 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008763.D

Acq: 21 Feb 2019 10:56

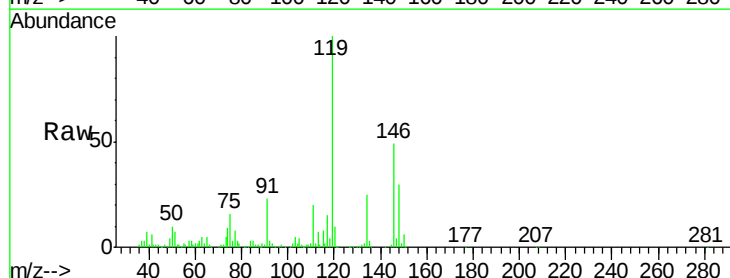
Tgt Ion:119 Resp: 82366

Ion Ratio Lower Upper

119 100

134 25.5 13.1 39.3

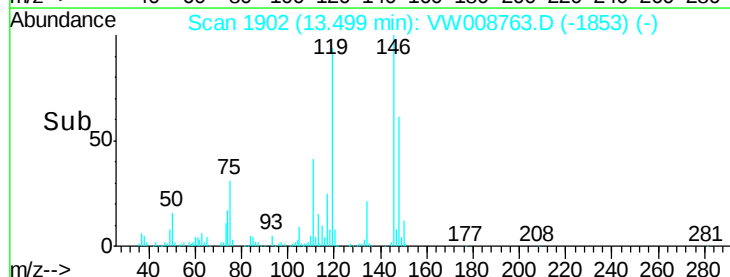
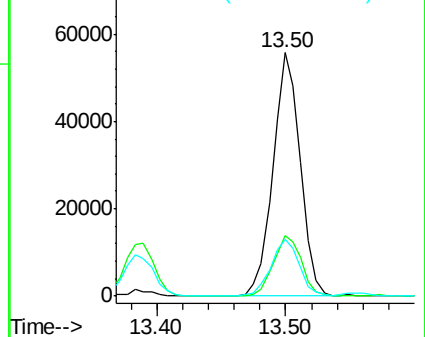
91 24.4 12.1 36.3

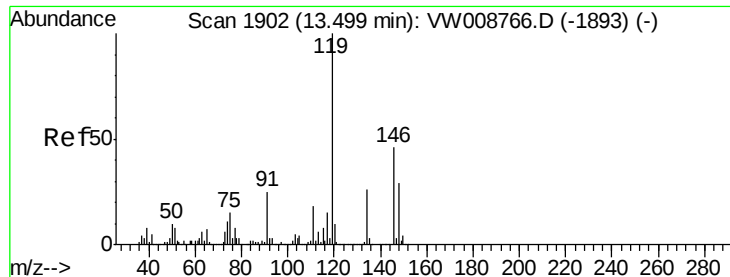


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





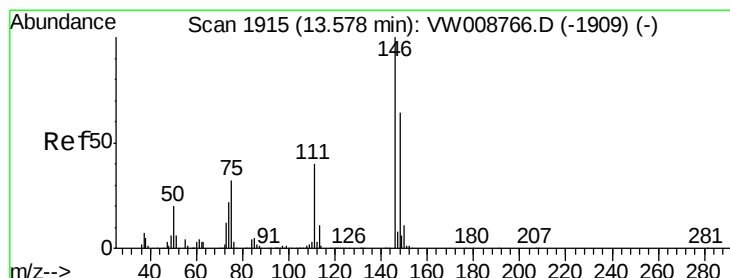
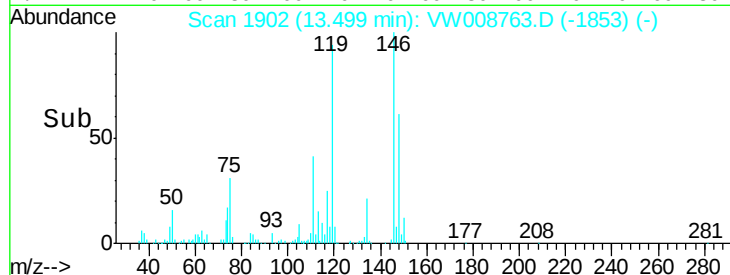
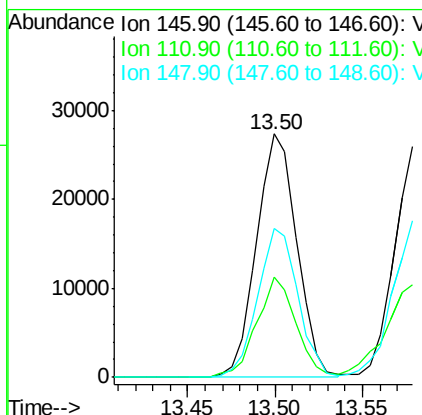
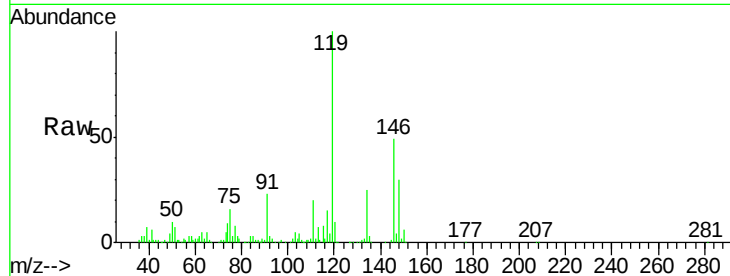
#87  
 1,3-Dichlorobenzene  
 Concen: 4.930 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. 0.00 min  
 Lab File: VW008763.D  
 Acq: 21 Feb 2019 10:56

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.1  | 19.9  | 59.7  |
| 148     | 61.1  | 31.6  | 94.8  |

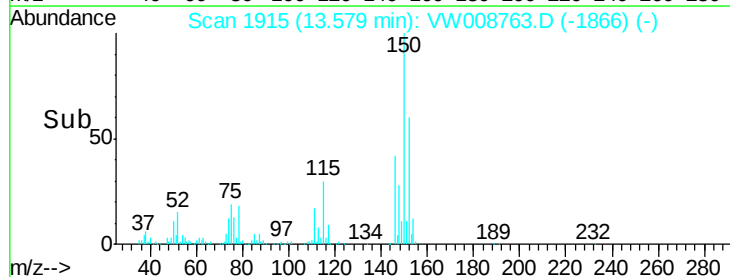
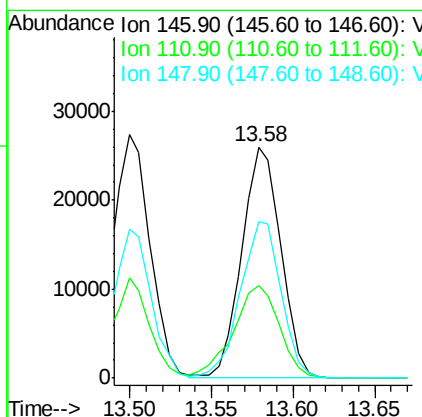
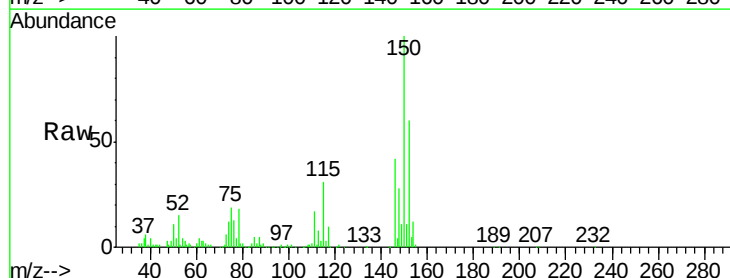
Manual Integrations  
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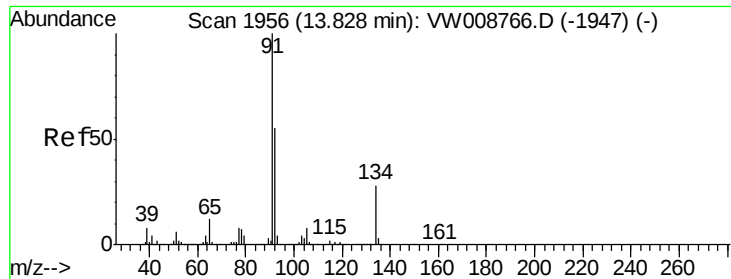
MMDadoda  
 2/22/2019 12:24:57 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 4.928 ug/l  
 RT: 13.58 min Scan# 1915  
 Delta R.T. 0.00 min  
 Lab File: VW008763.D  
 Acq: 21 Feb 2019 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 47.3  | 19.3  | 57.9  |
| 148     | 70.6  | 31.9  | 95.9  |





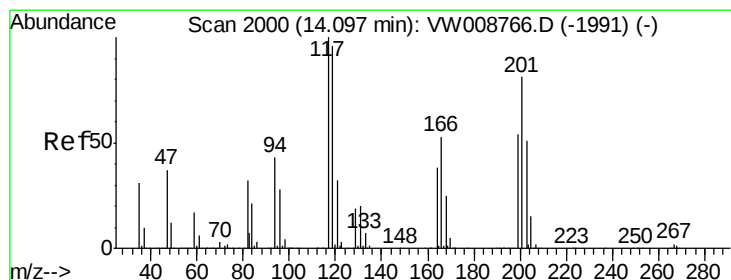
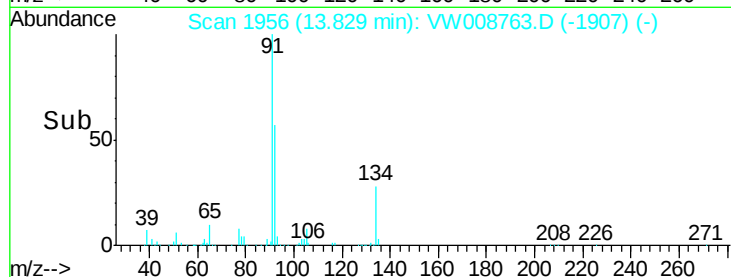
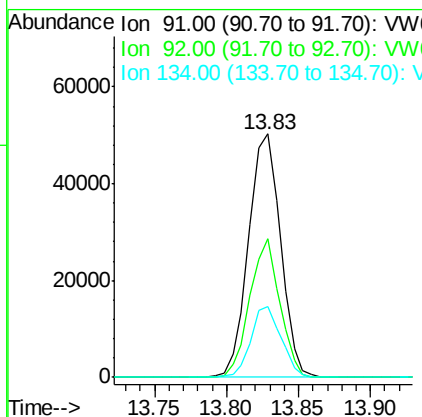
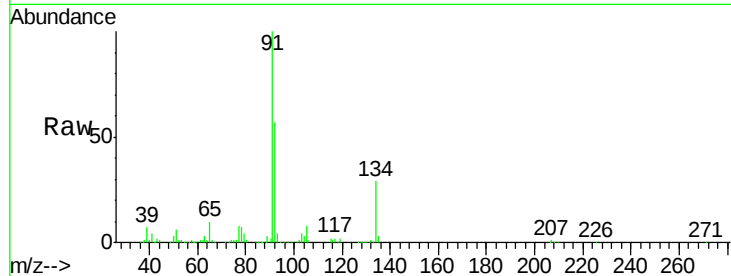
#89  
n-Butylbenzene  
Concen: 4.571 ug/l  
RT: 13.83 min Scan# 1956  
Delta R.T. 0.00 min  
Lab File: VW008763.D  
Acq: 21 Feb 2019 10:56

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 53.4  | 26.8  | 80.4  |
| 134     | 27.3  | 13.5  | 40.4  |

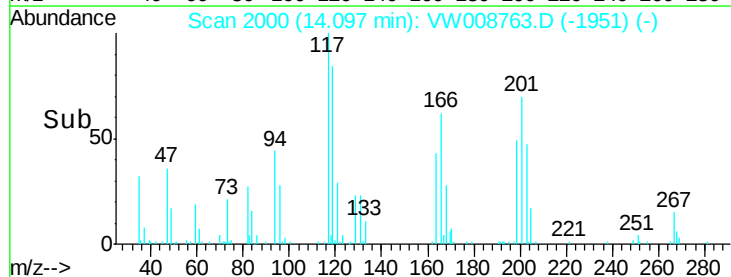
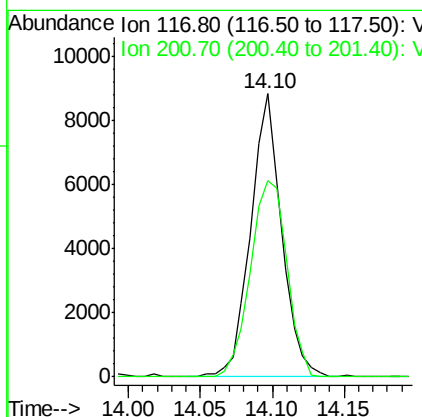
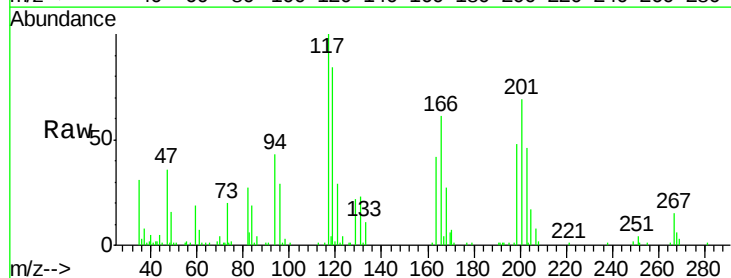
Manual Integrations  
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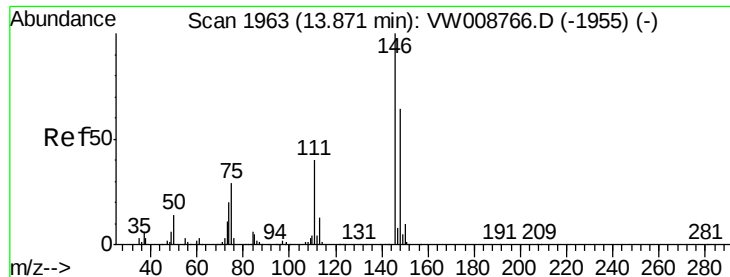
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2/22/2019 12:24:57 PM



#90  
Hexachloroethane  
Concen: 4.446 ug/l  
RT: 14.10 min Scan# 2000  
Delta R.T. 0.00 min  
Lab File: VW008763.D  
Acq: 21 Feb 2019 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 81.7  | 40.3  | 120.8 |





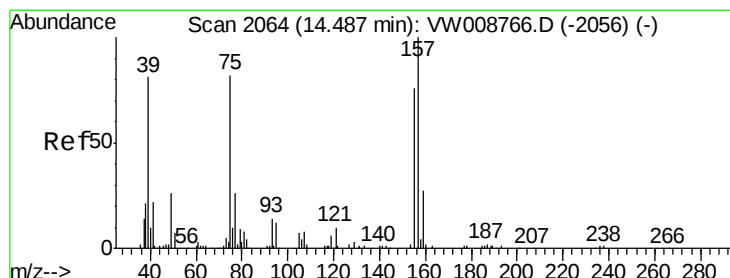
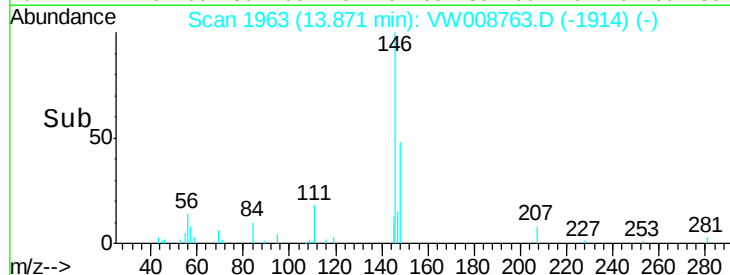
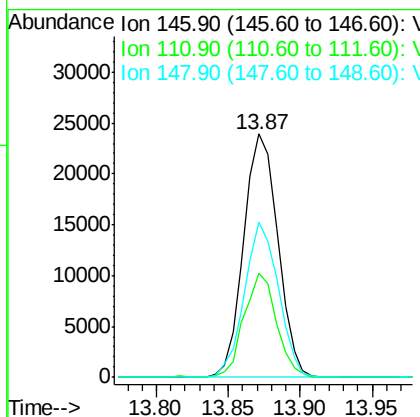
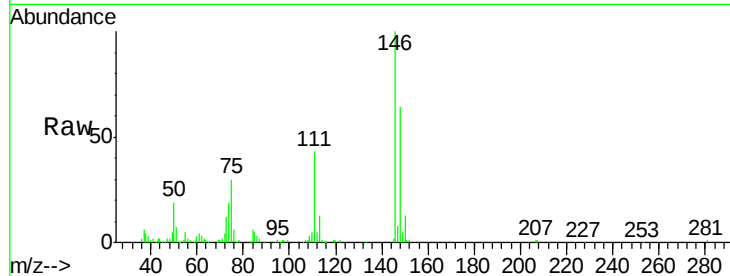
#91  
 1,2-Dichlorobenzene  
 Concen: 4.952 ug/l  
 RT: 13.87 min Scan# 1963  
 Delta R.T. 0.00 min  
 Lab File: VW008763.D  
 Acq: 21 Feb 2019 10:56

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.6  | 20.3  | 60.8  |
| 148     | 63.2  | 32.5  | 97.5  |

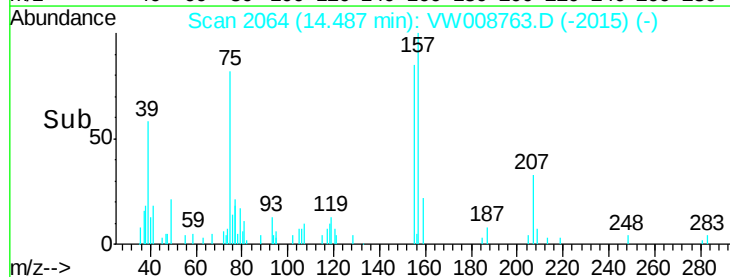
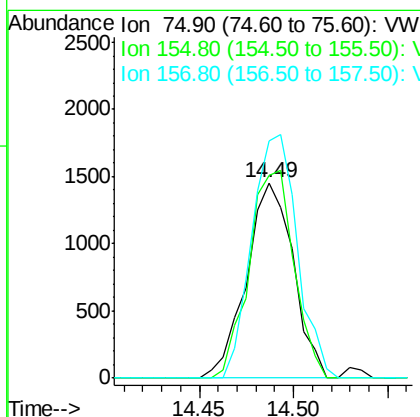
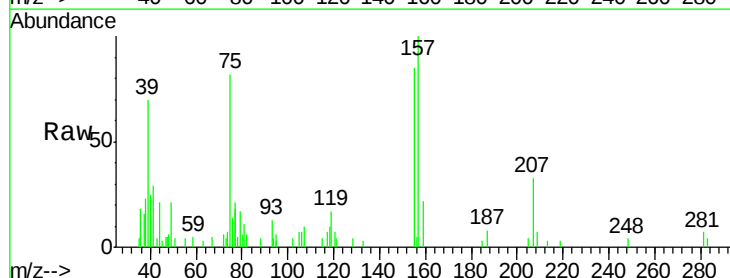
Manual Integrations  
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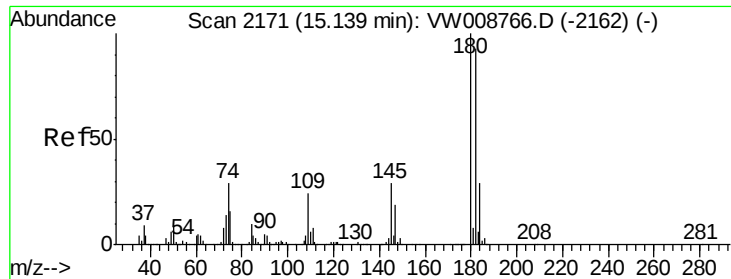
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 4.659 ug/l  
 RT: 14.49 min Scan# 2064  
 Delta R.T. 0.00 min  
 Lab File: VW008763.D  
 Acq: 21 Feb 2019 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 102.1 | 41.8  | 125.4 |
| 157     | 120.6 | 56.6  | 169.9 |





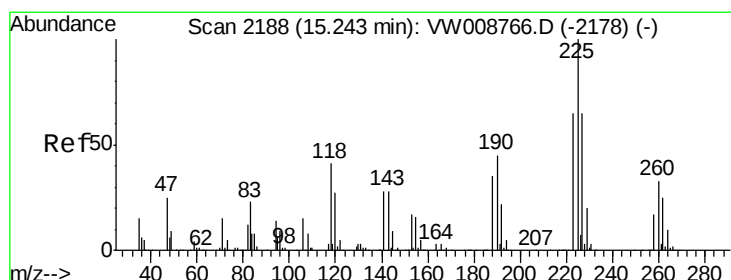
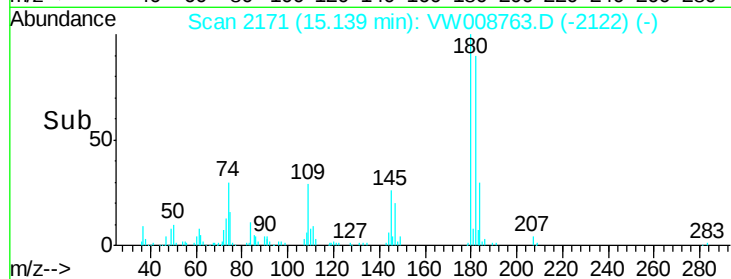
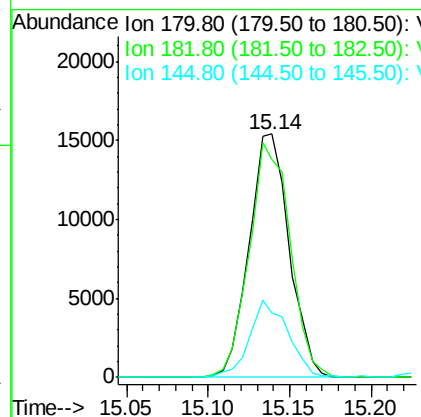
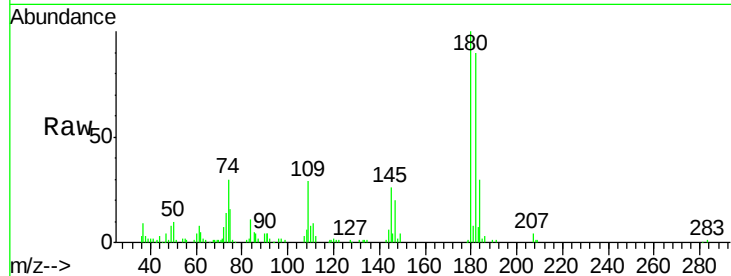
#93  
 1,2,4-Trichlorobenzene  
 Concen: 4.598 ug/l  
 RT: 15.14 min Scan# 2171  
 Delta R.T. 0.00 min  
 Lab File: VW008763.D  
 Acq: 21 Feb 2019 10:56

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 26330 |       |       |
| 182     | 99.0  | 47.2  | 141.6 |       |
| 145     | 30.5  | 14.4  | 43.0  |       |

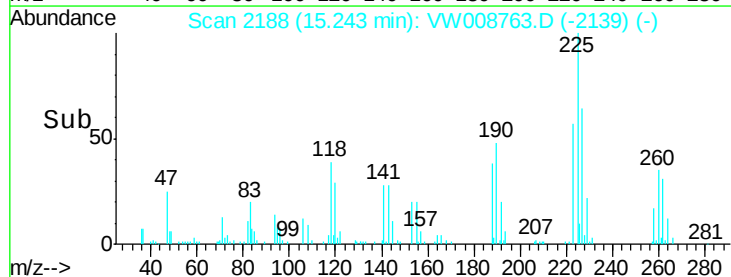
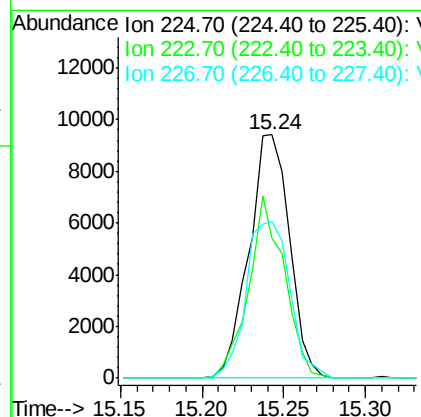
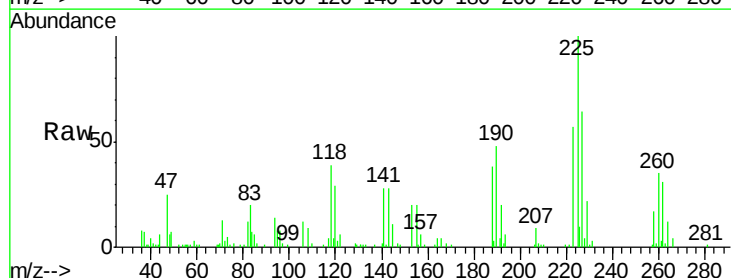
Manual Integrations  
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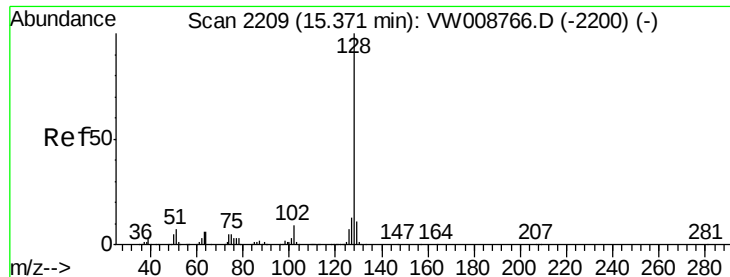
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 2/22/2019 12:24:57 PM



#94  
 Hexachlorobutadiene  
 Concen: 4.839 ug/l  
 RT: 15.24 min Scan# 2188  
 Delta R.T. 0.00 min  
 Lab File: VW008763.D  
 Acq: 21 Feb 2019 10:56

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 16323 |       |       |
| 223     | 65.7  | 31.5  | 94.5  |       |
| 227     | 69.3  | 31.6  | 94.8  |       |





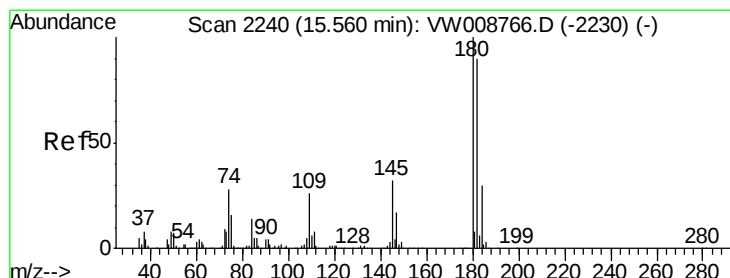
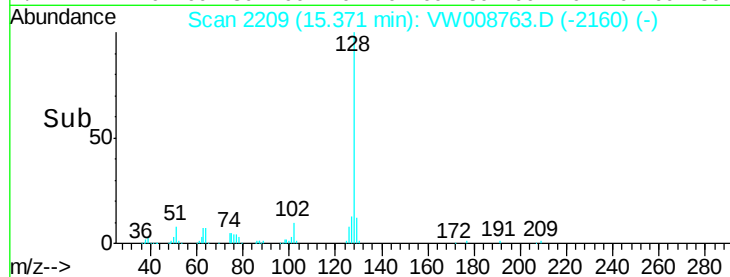
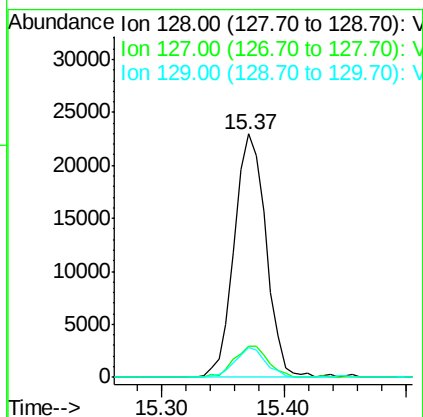
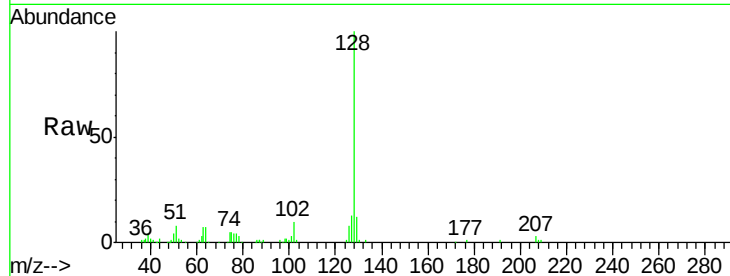
#95  
Naphthalene  
Concen: 4.242 ug/l  
RT: 15.37 min Scan# 2209  
Delta R.T. 0.00 min  
Lab File: VW008763.D  
Acq: 21 Feb 2019 10:56

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.7  | 10.8  | 16.2  |
| 129     | 11.8  | 8.7   | 13.1  |

Manual Integrations  
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2/22/2019 12:24:57 PM



#96  
1,2,3-Trichlorobenzene  
Concen: 4.776 ug/l  
RT: 15.57 min Scan# 2241  
Delta R.T. 0.01 min  
Lab File: VW008763.D  
Acq: 21 Feb 2019 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.8  | 46.9  | 140.8 |
| 145     | 29.6  | 15.9  | 47.6  |

