

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041819\  
 Data File : VW010038.D  
 Acq On : 18 Apr 2019 11:39  
 Operator : SY/VA  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 4/19/2019 12:52:44 PM

Quant Time: Apr 18 15:48:16 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W041719S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 18 02:23:40 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 414345   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 650352   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 579744   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 288435   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.30   | 65  | 240525   | 47.04 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 94.08%  |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 206142   | 49.86 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.72%  |      |
| 50) Toluene-d8            | 10.32  | 98  | 825398   | 53.27 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.54% |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 289617   | 51.42 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.84% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 2.01 | 85  | 175515  | 55.555  | ug/l | 97     |
| 3) Chloromethane              | 2.21 | 50  | 168462  | 53.321  | ug/l | 96     |
| 4) Vinyl Chloride             | 2.37 | 62  | 205469  | 55.949  | ug/l | 100    |
| 5) Bromomethane               | 2.78 | 94  | 128943  | 52.245  | ug/l | 97     |
| 6) Chloroethane               | 2.92 | 64  | 129607  | 54.013  | ug/l | 96     |
| 7) Trichlorofluoromethane     | 3.25 | 101 | 123752  | 48.738  | ug/l | 96     |
| 8) Diethyl Ether              | 3.67 | 74  | 103423  | 48.966  | ug/l | 96     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101 | 230885  | 54.039  | ug/l | 100    |
| 10) Methyl Iodide             | 4.26 | 142 | 324821  | 55.013  | ug/l | 99     |
| 11) Tert butyl alcohol        | 5.17 | 59  | 64135   | 220.203 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 4.03 | 96  | 231813  | 56.593  | ug/l | 98     |
| 13) Acrolein                  | 3.89 | 56  | 81614   | 266.356 | ug/l | 92     |
| 14) Allyl chloride            | 4.65 | 41  | 397170  | 54.538  | ug/l | 99     |
| 15) Acrylonitrile             | 5.36 | 53  | 254498  | 234.137 | ug/l | 100    |
| 16) Acetone                   | 4.12 | 43  | 283671  | 239.107 | ug/l | 99     |
| 17) Carbon Disulfide          | 4.37 | 76  | 692164  | 55.928  | ug/l | 99     |
| 18) Methyl Acetate            | 4.67 | 43  | 123611  | 45.019  | ug/l | 100    |
| 19) Methyl tert-butyl Ether   | 5.42 | 73  | 279529  | 52.539  | ug/l | 99     |
| 20) Methylene Chloride        | 4.91 | 84  | 246287  | 53.708  | ug/l | 98     |
| 21) trans-1,2-Dichloroethene  | 5.41 | 96  | 253669  | 57.189  | ug/l | 99     |
| 22) Diisopropyl ether         | 6.31 | 45  | 776017  | 52.534  | ug/l | 97     |
| 23) Vinyl Acetate             | 6.25 | 43  | 2479134 | 266.601 | ug/l | 98     |
| 24) 1,1-Dichloroethane        | 6.21 | 63  | 470497  | 53.281  | ug/l | 100    |
| 25) 2-Butanone                | 7.16 | 43  | 380691  | 244.277 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 7.16 | 77  | 265042  | 54.250  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 7.16 | 96  | 265007  | 54.324  | ug/l | 99     |
| 28) Bromochloromethane        | 7.51 | 49  | 168929  | 46.811  | ug/l | 98     |
| 29) Tetrahydrofuran           | 7.52 | 42  | 241650  | 244.714 | ug/l | 99     |
| 30) Chloroform                | 7.67 | 83  | 454427  | 51.357  | ug/l | 99     |
| 31) Cyclohexane               | 7.95 | 56  | 454005  | 54.904  | ug/l | 98     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97  | 372091  | 53.567  | ug/l | 100    |
| 36) 1,1-Dichloropropene       | 8.07 | 75  | 384261  | 57.843  | ug/l | 99     |
| 37) Ethyl Acetate             | 7.24 | 43  | 165139  | 48.920  | ug/l | 100    |
| 38) Carbon Tetrachloride      | 8.06 | 117 | 365838  | 56.426  | ug/l | 100    |

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Manual Integrations  
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 4/19/2019 12:52:44 PM

Quant Time: Apr 18 15:48:16 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W041719S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 18 02:23:40 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.33  | 83   | 458860   | 56.601  | ug/l   | 99       |
| 40) Benzene                    | 8.32  | 78   | 1010002  | 55.604  | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.48  | 41   | 89184    | 46.355  | ug/l   | 92       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 318366   | 51.001  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.42  | 43   | 318167   | 50.297  | ug/l   | 99       |
| 44) Trichloroethene            | 9.09  | 130  | 259650   | 56.280  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 251674   | 52.712  | ug/l   | 98       |
| 46) Dibromomethane             | 9.45  | 93   | 128382   | 51.880  | ug/l   | 100      |
| 47) Bromodichloromethane       | 9.64  | 83   | 343015   | 53.697  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.43  | 41   | 150675   | 48.933  | ug/l   | 96       |
| 49) 1,4-Dioxane                | 9.45  | 88   | 36892    | 975.677 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 835893   | 252.296 | ug/l   | 100      |
| 52) Toluene                    | 10.38 | 92   | 635613   | 56.175  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.60 | 75   | 342076   | 54.012  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 398711   | 55.132  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 174647   | 50.565  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 236261   | 49.299  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 315628   | 50.985  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.92  | 63   | 541777   | 262.508 | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.97 | 43   | 602010   | 261.028 | ug/l   | 100      |
| 60) Dibromochloromethane       | 11.13 | 129  | 210346   | 52.692  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 168546   | 51.298  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.86 | 164  | 213720   | 56.788  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.66 | 112  | 648550   | 54.657  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 230985   | 54.435  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.73 | 91   | 1241837  | 58.659  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.84 | 106  | 925388   | 116.936 | ug/l   | 99       |
| 69) o-Xylene                   | 12.16 | 106  | 422286   | 58.605  | ug/l   | 99       |
| 70) Styrene                    | 12.18 | 104  | 737666   | 59.375  | ug/l   | 100      |
| 71) Bromoform                  | 12.35 | 173  | 114797   | 51.162  | ug/l # | 96       |
| 73) Isopropylbenzene           | 12.46 | 105  | 1192828  | 59.420  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.27 | 43   | 303039   | 54.511  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 203843   | 51.397  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 148518m  | 51.447  | ug/l   |          |
| 77) Bromobenzene               | 12.75 | 156  | 260649   | 56.456  | ug/l   | 97       |
| 78) n-propylbenzene            | 12.80 | 91   | 1477218  | 59.374  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.90 | 91   | 822228   | 57.462  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 1013822  | 59.564  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.51 | 75   | 69582    | 56.835  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 855809   | 56.828  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.21 | 119  | 839308   | 59.546  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.26 | 105  | 1014967  | 58.815  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.38 | 105  | 1234155  | 58.592  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.50 | 119  | 1118398  | 60.240  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.50 | 146  | 519783   | 55.694  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 506847   | 54.409  | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.83 | 91   | 1116518  | 60.702  | ug/l   | 99       |
| 90) Hexachloroethane           | 14.10 | 117  | 201096   | 56.553  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 452067   | 54.023  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 35740    | 50.355  | ug/l   | 99       |

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ALS Vial : 2 Sample Multiplier: 1

Instrument :  
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Quant Title : SW846 8260  
QLast Update : Thu Apr 18 02:23:40 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.14 | 180  | 309528   | 56.068 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 187387   | 55.896 | ug/l  | 99       |
| 95) Naphthalene            | 15.37 | 128  | 567865   | 51.715 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.56 | 180  | 269286   | 56.223 | ug/l  | 100      |

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

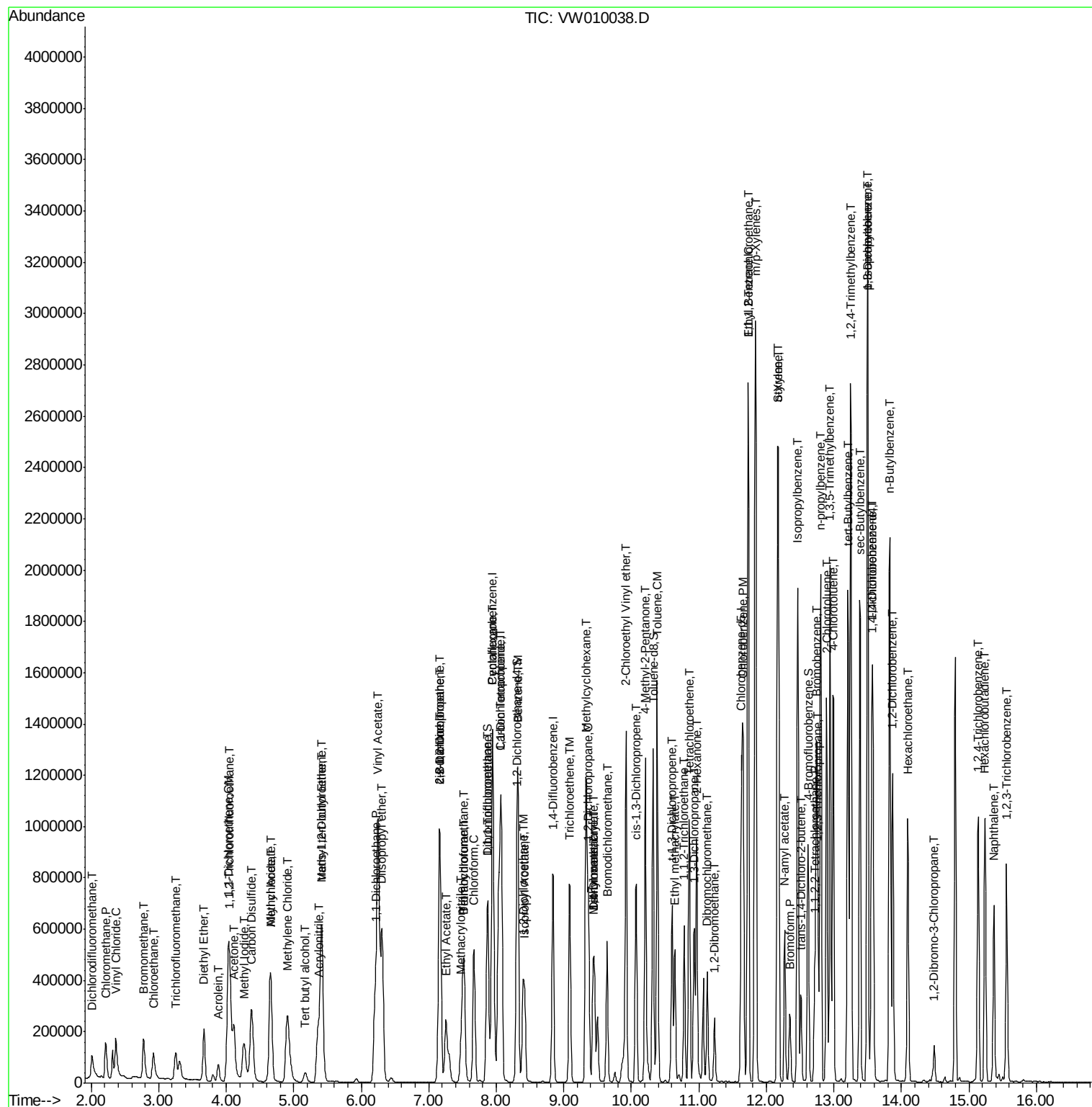
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 Data File : VW010038.D  
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 Operator : SY/VA  
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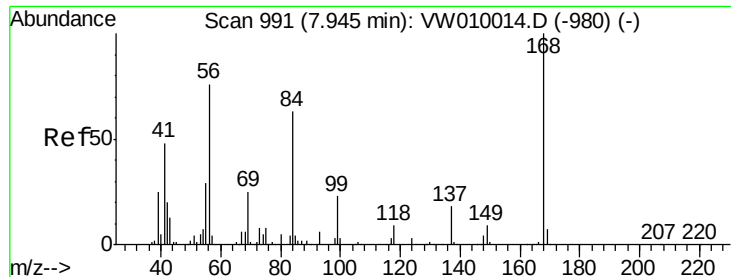
Instrument :  
 MSVOA\_W  
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 414345

Ion Ratio Lower Upper

168 100

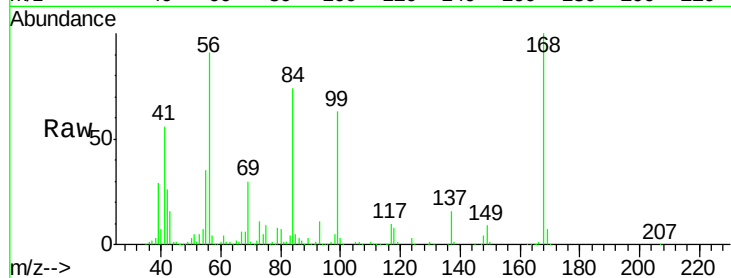
99 62.6 48.4 72.6

Manual Integrations

APPROVED

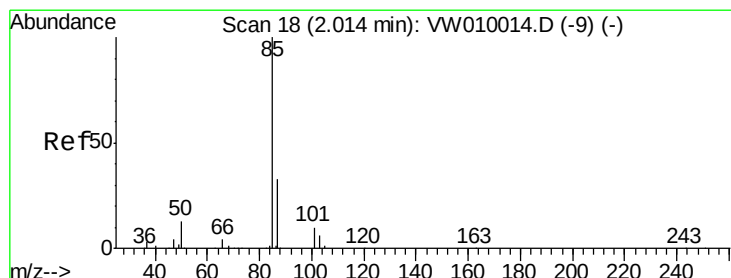
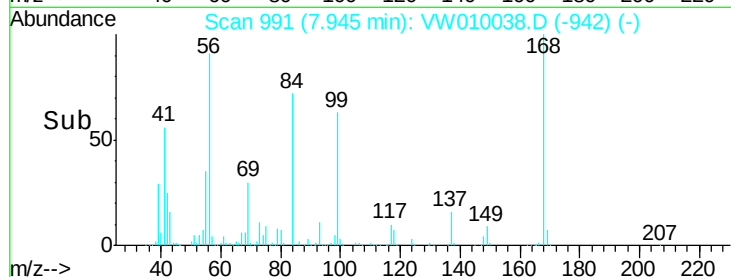
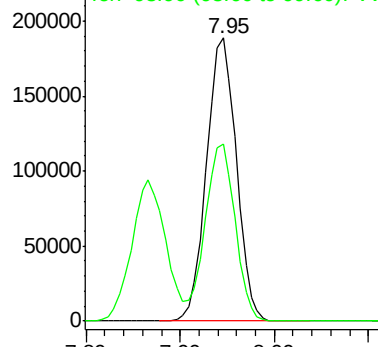
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 55.555 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW010038.D

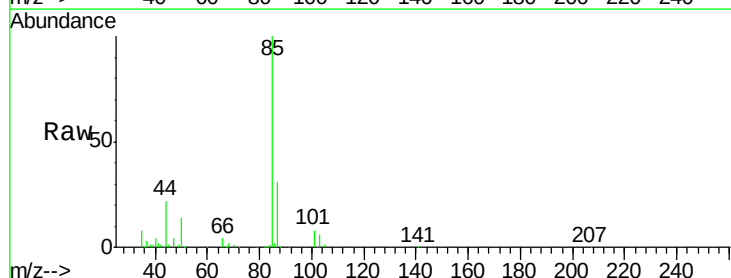
Acq: 18 Apr 2019 11:39

Tgt Ion: 85 Resp: 175515

Ion Ratio Lower Upper

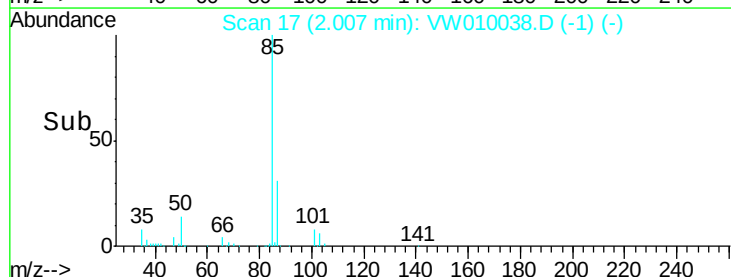
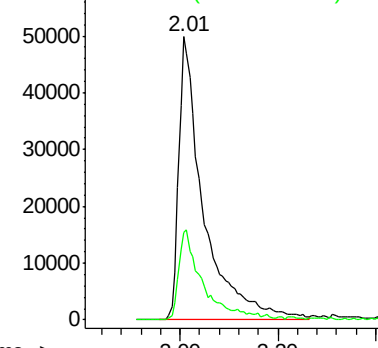
85 100

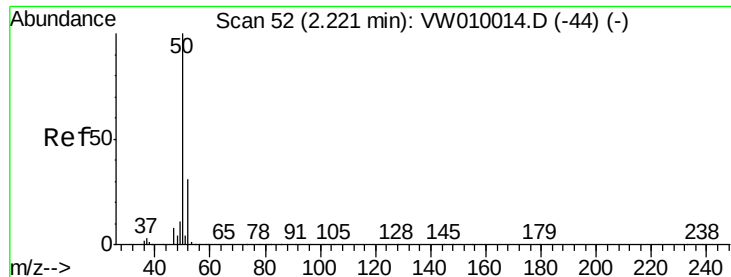
87 30.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 53.321 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 168462

Ion Ratio Lower Upper

50 100

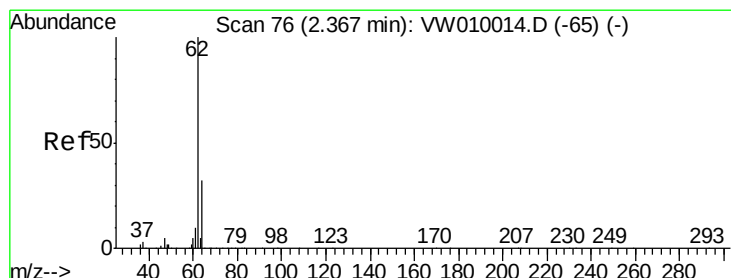
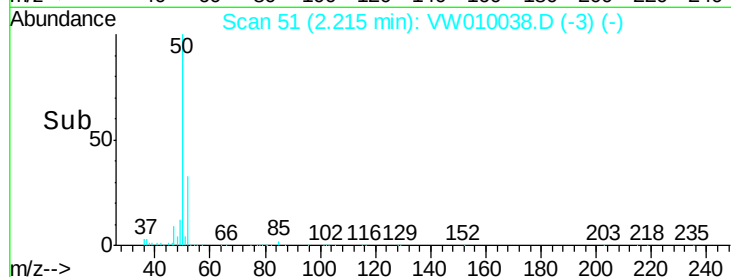
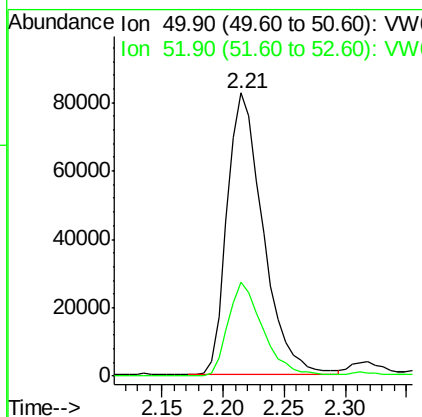
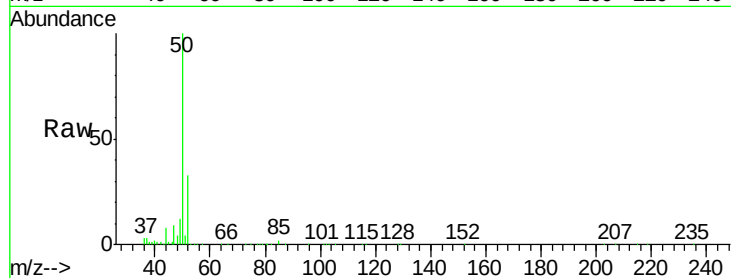
52 33.4 25.0 37.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 55.949 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW010038.D

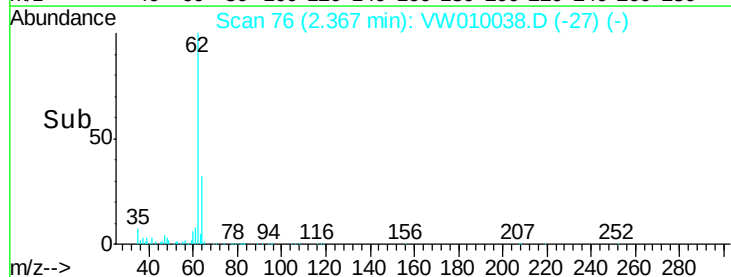
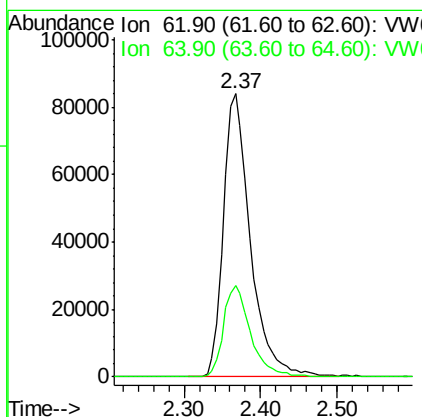
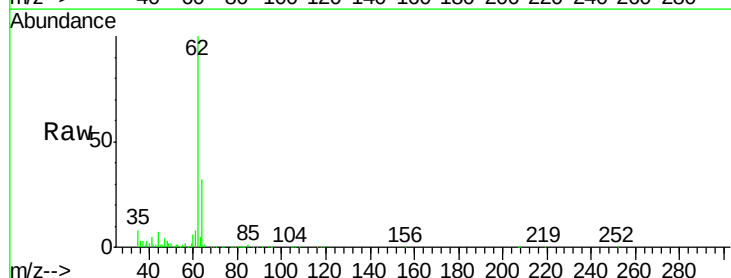
Acq: 18 Apr 2019 11:39

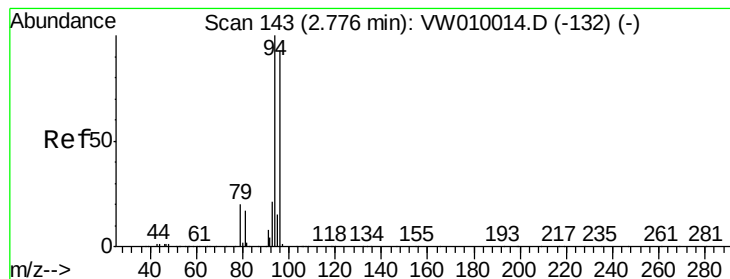
Tgt Ion: 62 Resp: 205469

Ion Ratio Lower Upper

62 100

64 32.4 25.9 38.9





#5

Bromomethane

Concen: 52.245 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 128943

Ion Ratio Lower Upper

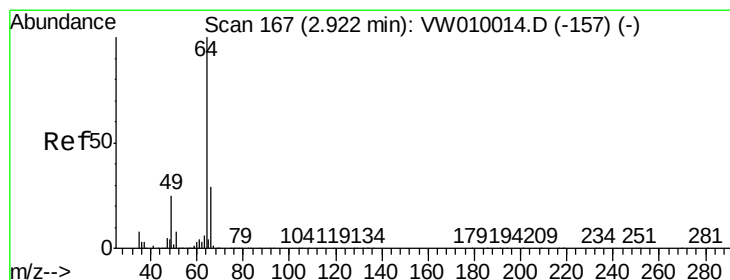
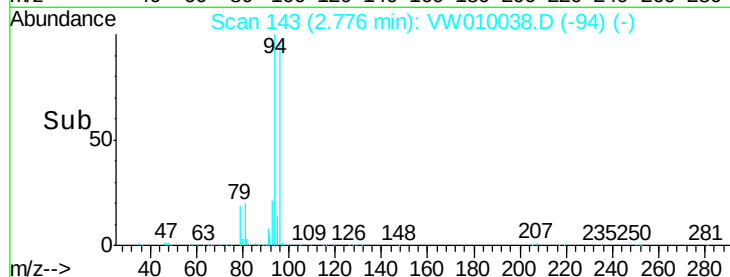
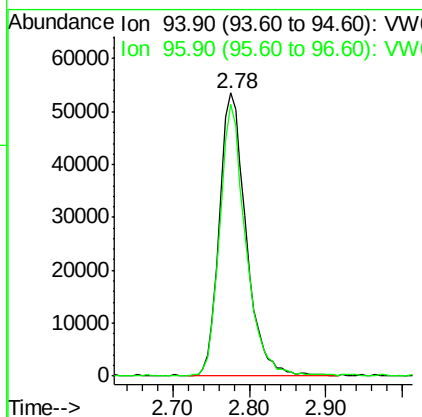
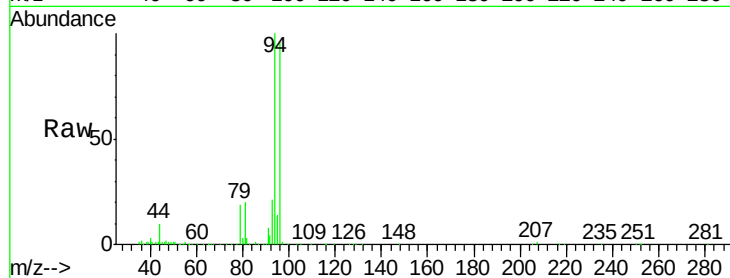
94 100

96 95.8 74.2 111.2

Manual Integrations  
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#6

Chloroethane

Concen: 54.013 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW010038.D

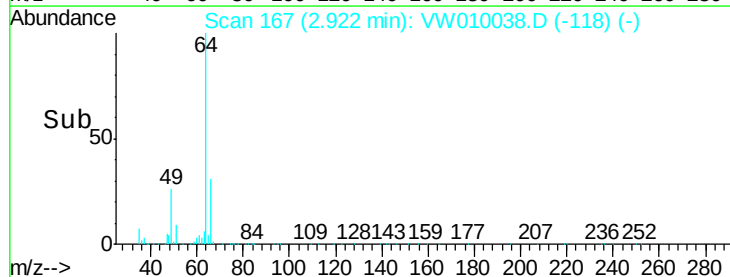
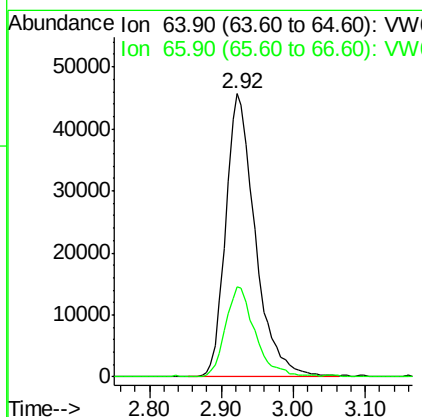
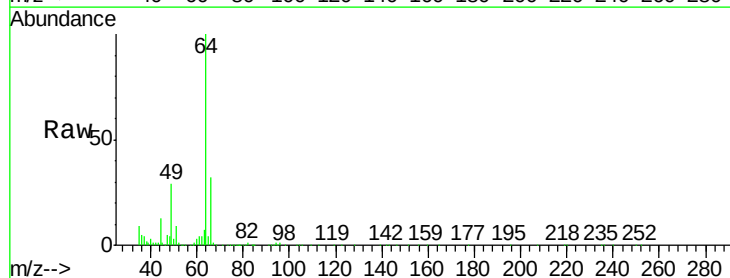
Acq: 18 Apr 2019 11:39

Tgt Ion: 64 Resp: 129607

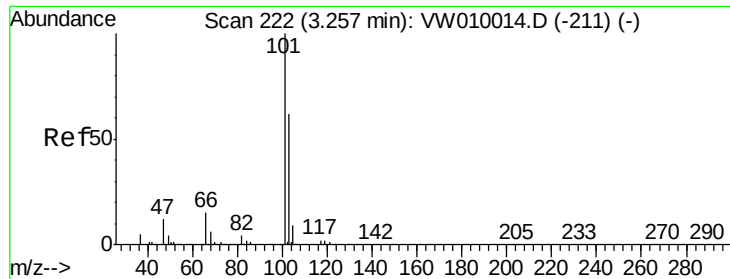
Ion Ratio Lower Upper

64 100

66 31.5 23.4 35.0







#7

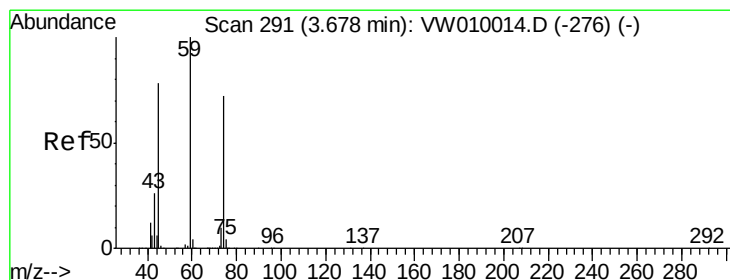
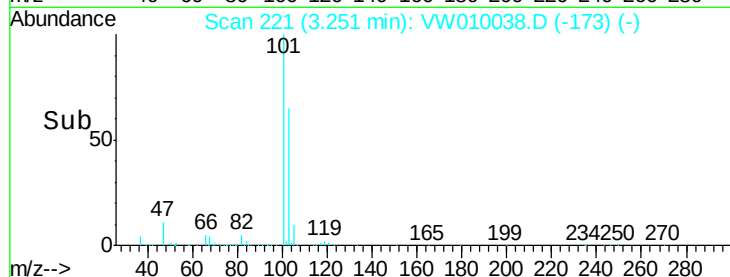
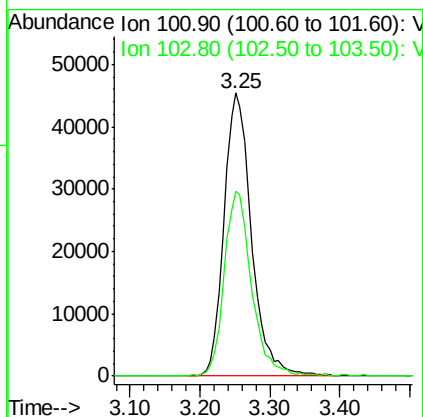
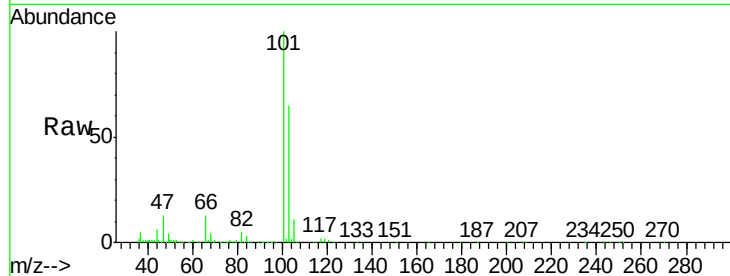
Trichlorofluoromethane  
Concen: 48.738 ug/l  
RT: 3.25 min Scan# 221  
Delta R.T. -0.01 min  
Lab File: VW010038.D  
Acq: 18 Apr 2019 11:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 65.2  | 49.8  | 74.6  |

Manual Integrations  
APPROVED

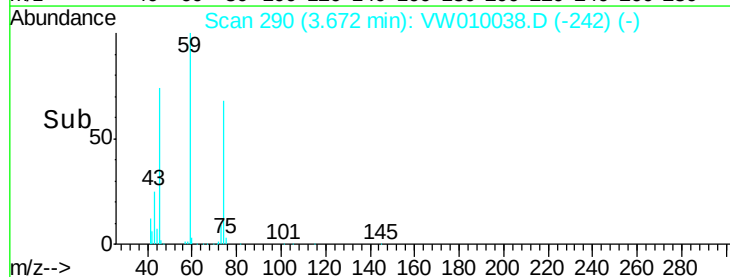
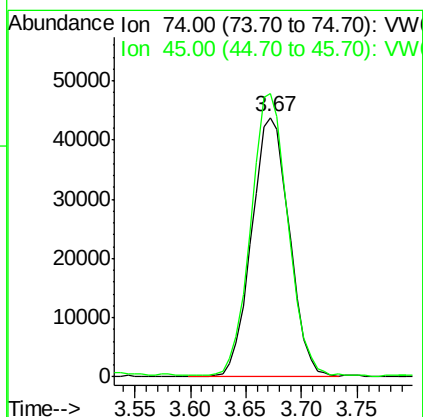
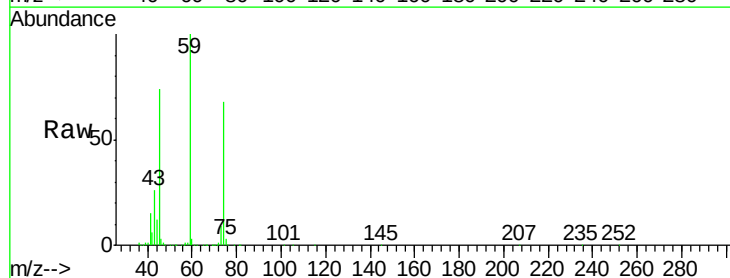
MMDadoda  
4/19/2019 12:52:44 PM



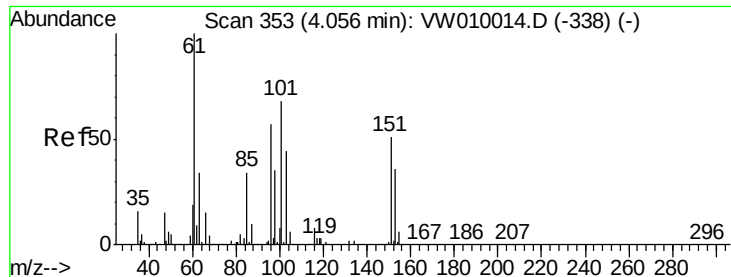
#8

Diethyl Ether  
Concen: 48.966 ug/l  
RT: 3.67 min Scan# 290  
Delta R.T. -0.01 min  
Lab File: VW010038.D  
Acq: 18 Apr 2019 11:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 107.5 | 56.0  | 168.0 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.039 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

MSVOA\_W

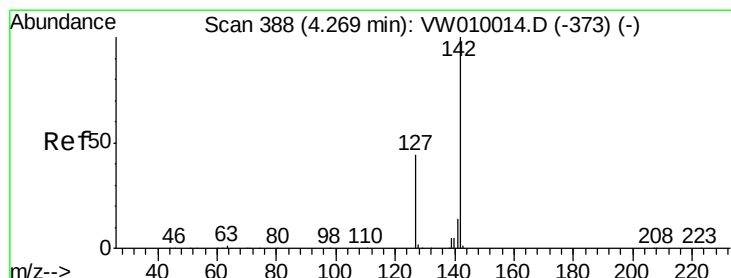
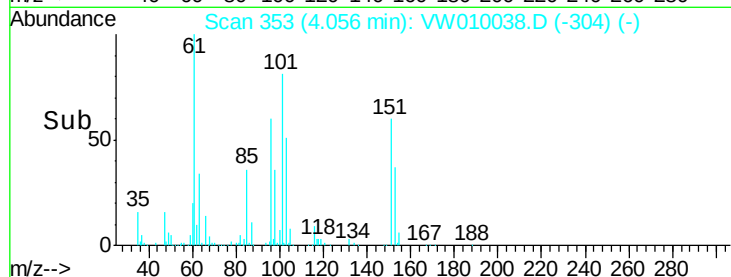
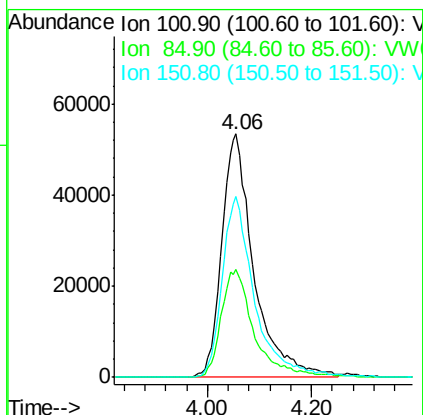
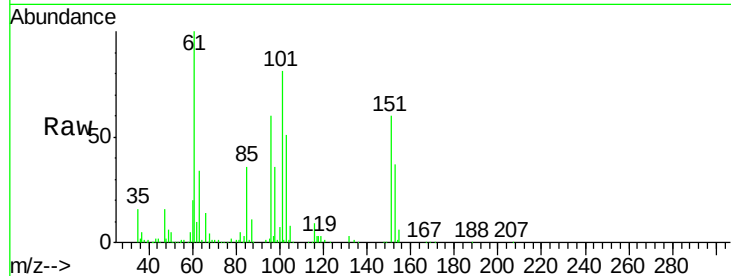
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 230885 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 45.5  | 36.3  | 54.5   |
| 151       | 74.9  | 60.2  | 90.2   |

Manual Integrations  
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#10

Methyl Iodide

Concen: 55.013 ug/l

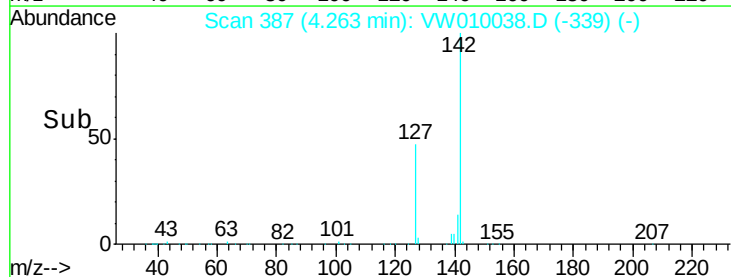
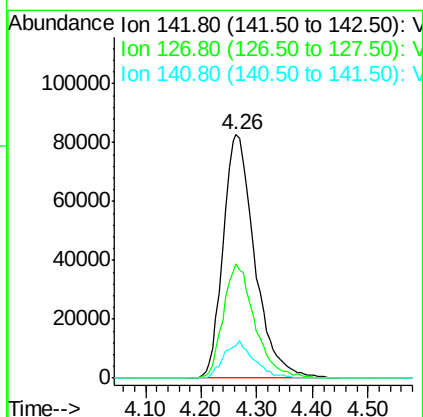
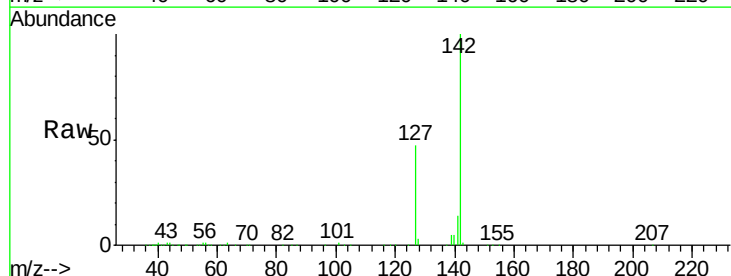
RT: 4.26 min Scan# 387

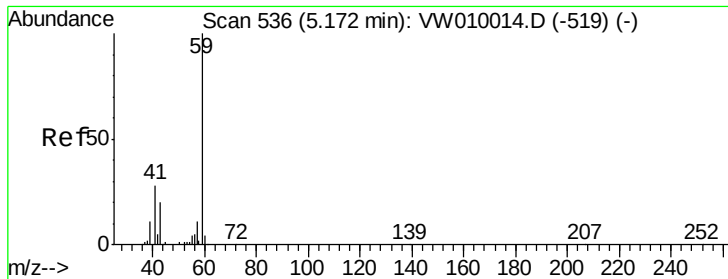
Delta R.T. -0.01 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 324821 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 46.7  | 38.1  | 57.1   |
| 141       | 14.5  | 12.2  | 18.2   |





#11

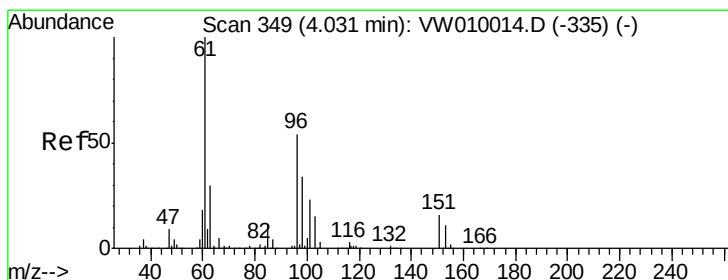
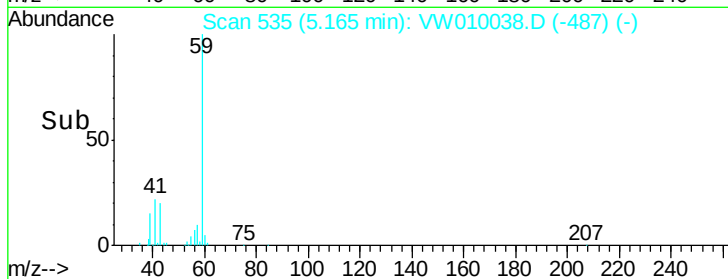
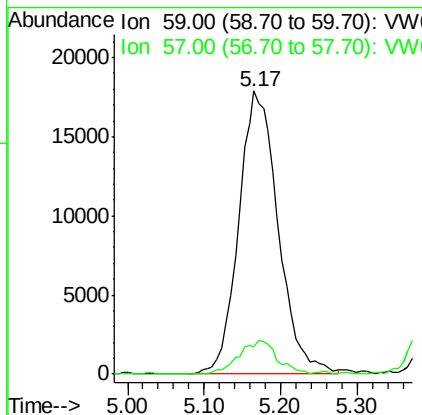
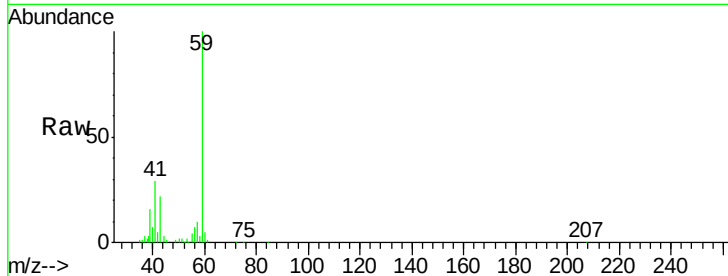
Tert butyl alcohol  
 Concen: 220.203 ug/l  
 RT: 5.17 min Scan# 535  
 Delta R.T. -0.01 min  
 Lab File: VW010038.D  
 Acq: 18 Apr 2019 11:39

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 11.7  | 9.0   | 13.4  |

Manual Integrations  
 APPROVED

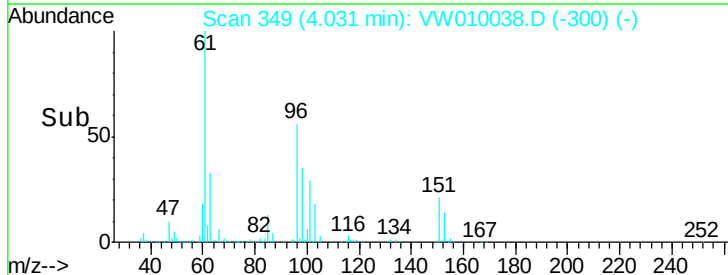
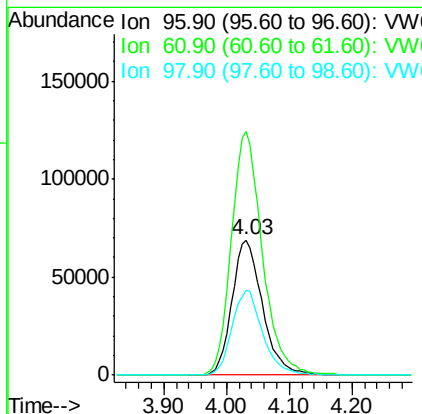
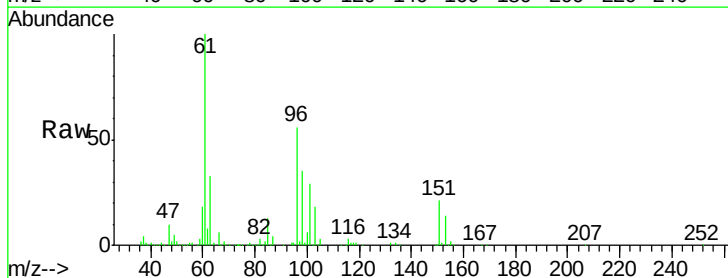
MMDadoda  
 4/19/2019 12:52:44 PM

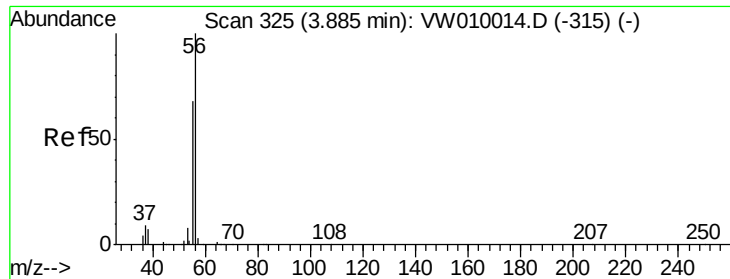


#12

1,1-Dichloroethene  
 Concen: 56.593 ug/l  
 RT: 4.03 min Scan# 349  
 Delta R.T. -0.00 min  
 Lab File: VW010038.D  
 Acq: 18 Apr 2019 11:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 180.1 | 147.4 | 221.2 |
| 98      | 62.9  | 49.7  | 74.5  |





#13

Acrolein

Concen: 266.356 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 81614

Ion Ratio Lower Upper

56 100

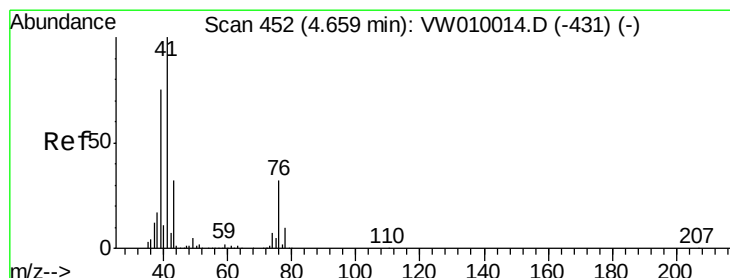
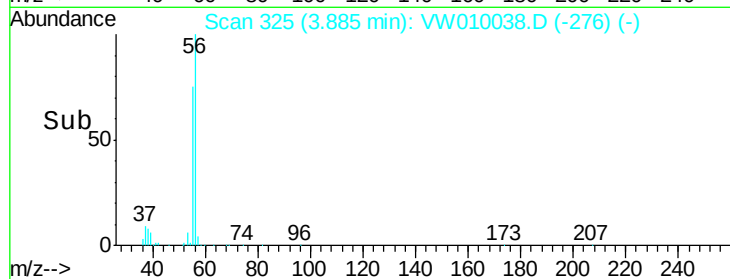
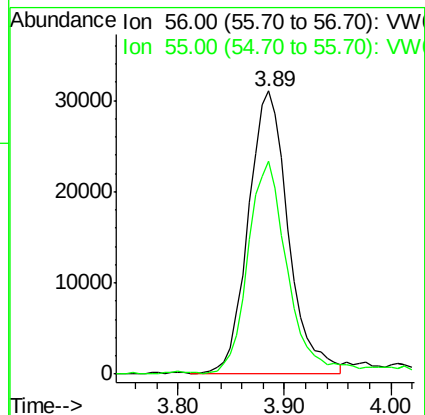
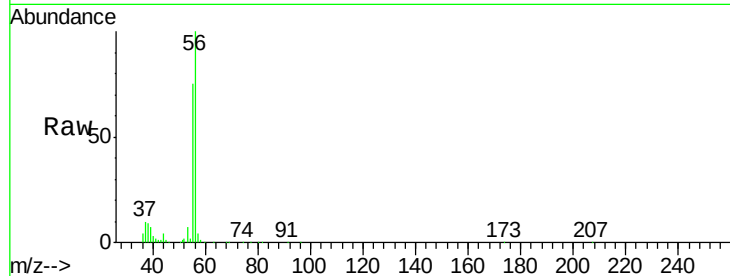
55 74.0 54.2 81.2

Manual Integrations

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#14

Allyl chloride

Concen: 54.538 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

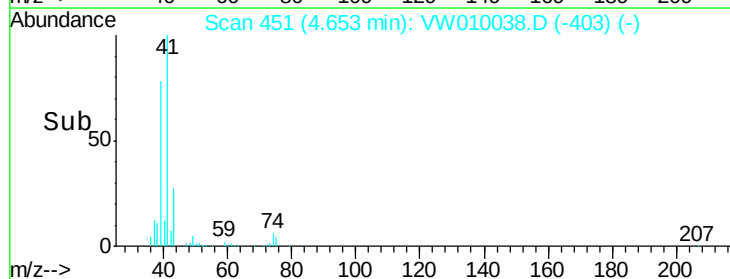
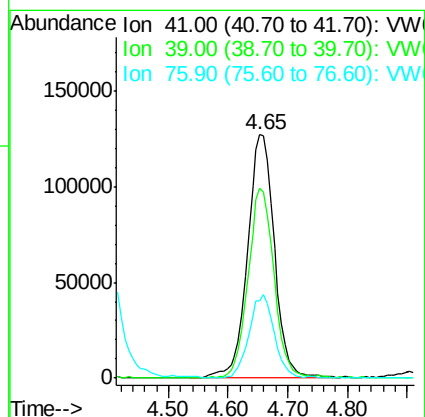
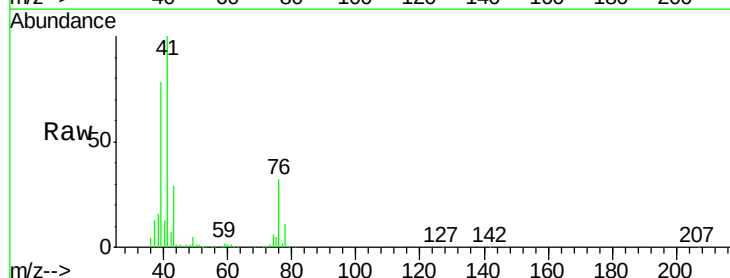
Tgt Ion: 41 Resp: 397170

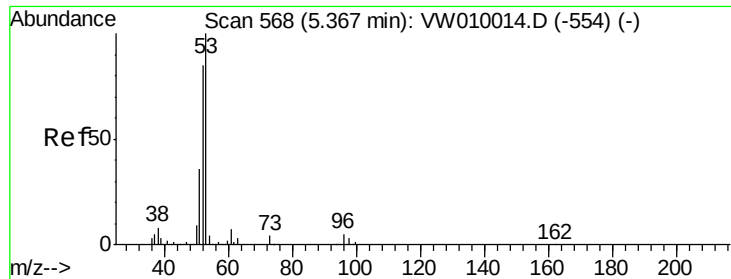
Ion Ratio Lower Upper

41 100

39 75.6 60.2 90.4

76 32.1 25.0 37.6





#15

Acrylonitrile

Concen: 234.137 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

MSVOA\_W

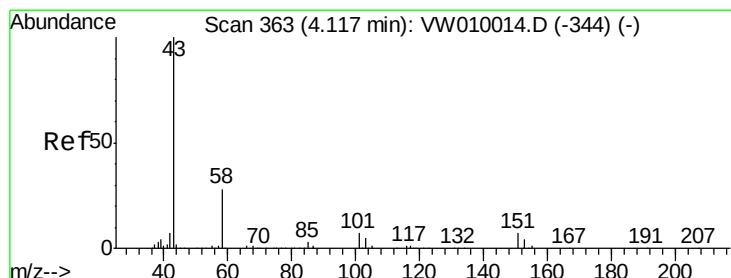
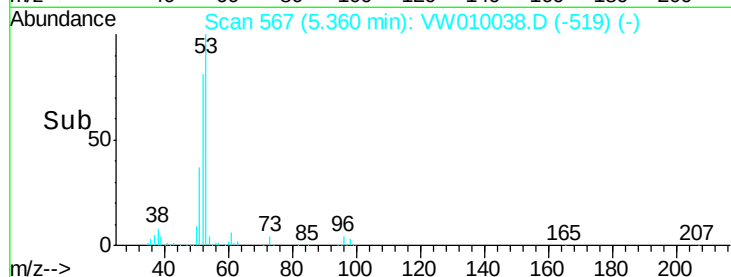
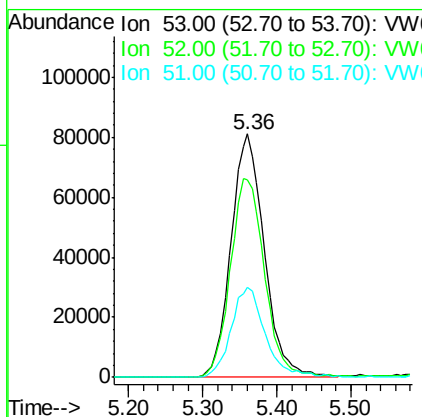
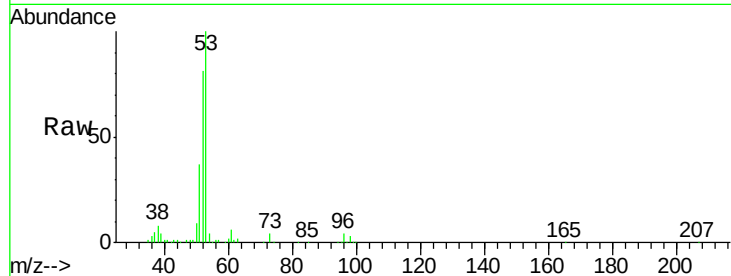
ClientSampleId :

VSTDCCC050

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 53   | Resp: | 254498 |
| Ion Ratio |      | Lower | Upper  |
| 53        | 100  |       |        |
| 52        | 83.5 | 66.6  | 100.0  |
| 51        | 38.0 | 30.3  | 45.5   |

Manual Integrations  
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#16

Acetone

Concen: 239.107 ug/l

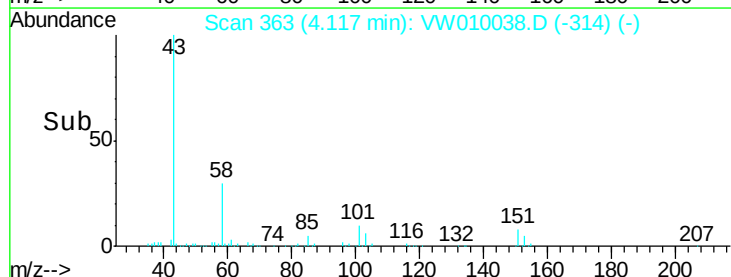
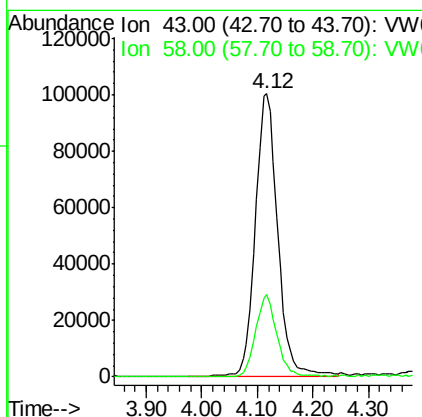
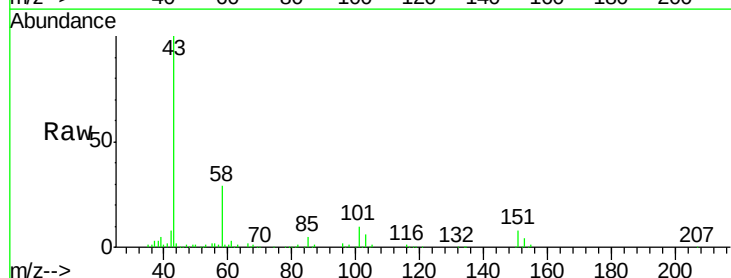
RT: 4.12 min Scan# 363

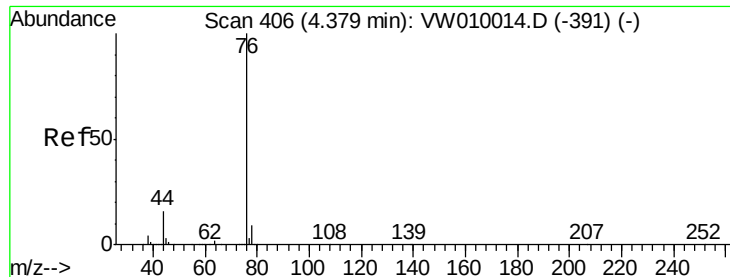
Delta R.T. -0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 43   | Resp: | 283671 |
| Ion Ratio |      | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 29.1 | 22.7  | 34.1   |





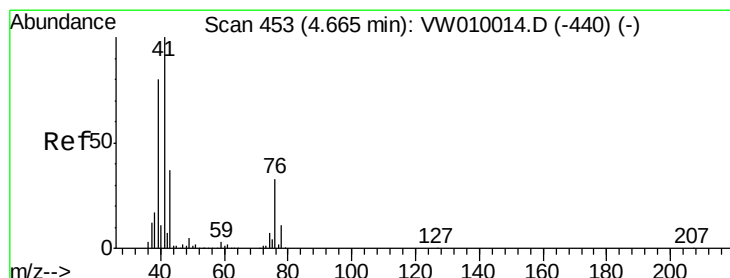
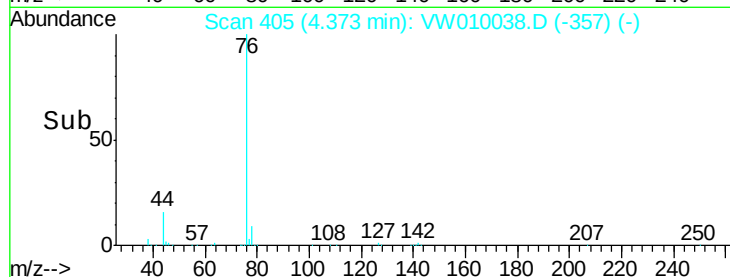
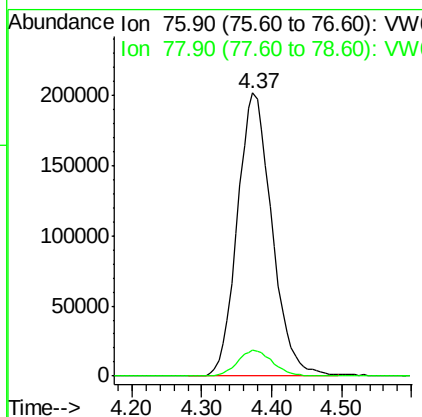
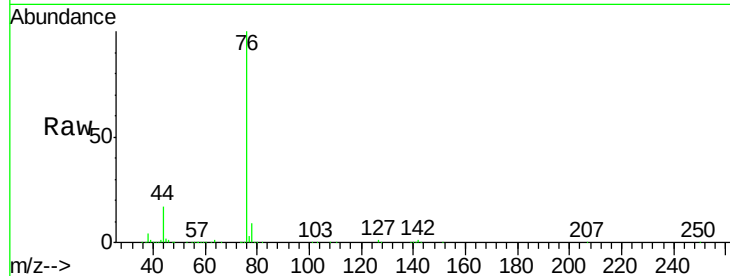
#17  
Carbon Disulfide  
Concen: 55.928 ug/l  
RT: 4.37 min Scan# 405  
Delta R.T. -0.01 min  
Lab File: VW010038.D  
Acq: 18 Apr 2019 11:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.0   | 7.4   | 11.2  |

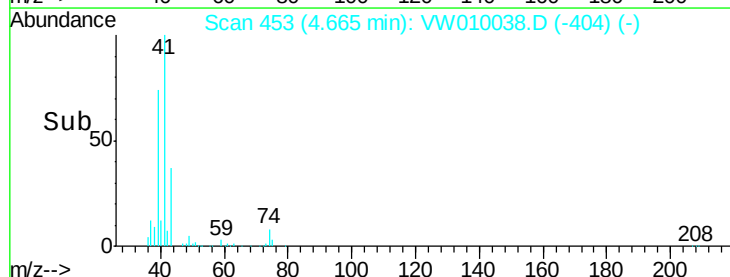
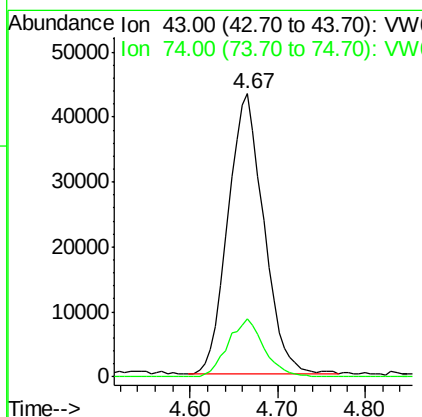
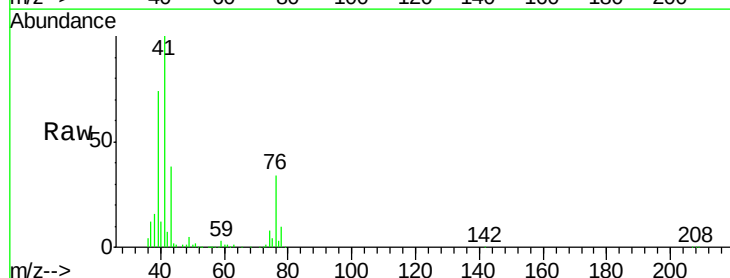
Manual Integrations  
APPROVED

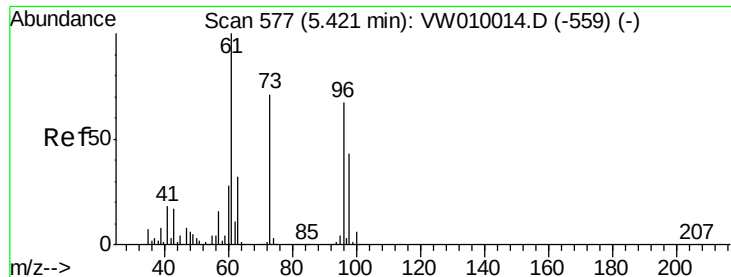
MMDadoda  
4/19/2019 12:52:44 PM



#18  
Methyl Acetate  
Concen: 45.019 ug/l  
RT: 4.67 min Scan# 453  
Delta R.T. -0.00 min  
Lab File: VW010038.D  
Acq: 18 Apr 2019 11:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 20.9  | 16.8  | 25.2  |





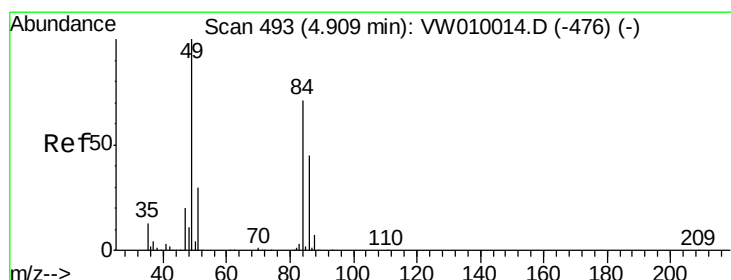
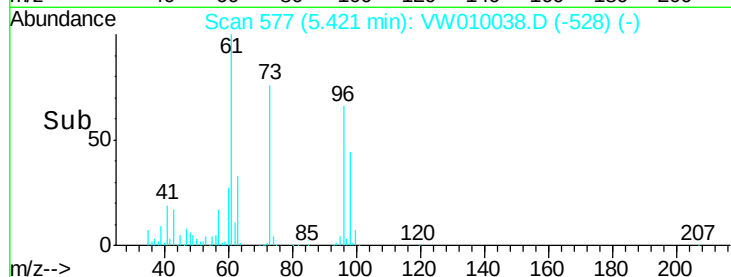
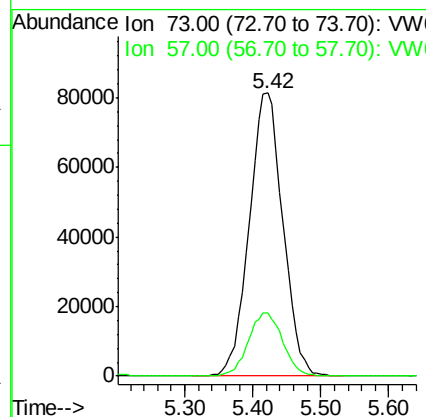
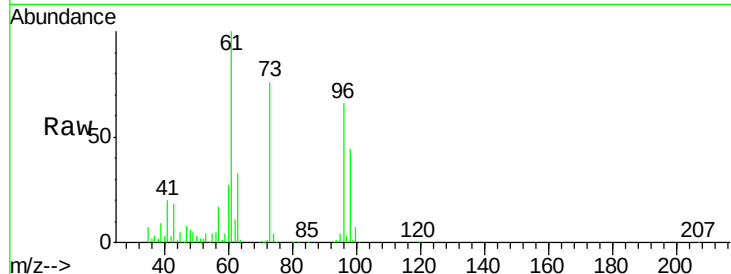
#19  
Methyl tert-butyl Ether  
Concen: 52.539 ug/l  
RT: 5.42 min Scan# 577  
Delta R.T. -0.00 min  
Lab File: VW010038.D  
Acq: 18 Apr 2019 11:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 22.4  | 18.5  | 27.7  |

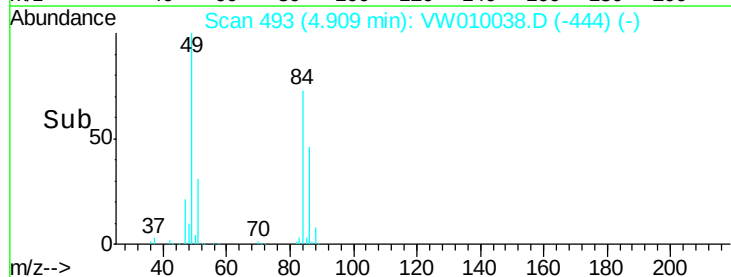
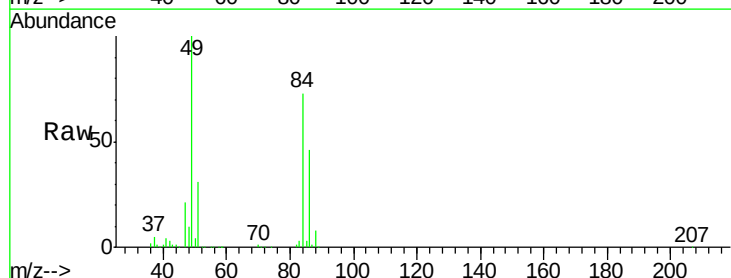
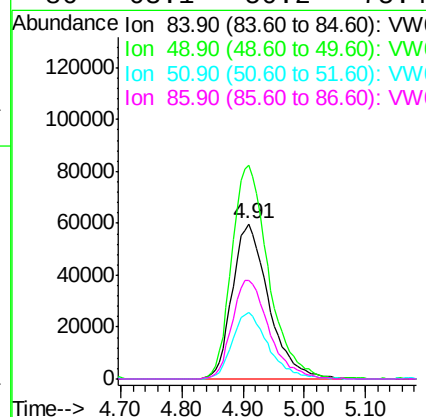
Manual Integrations  
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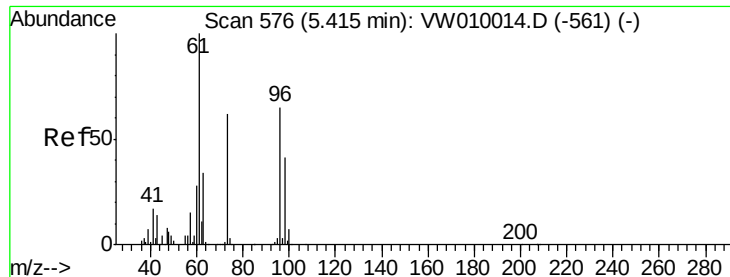
MMDadoda  
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#20  
Methylene Chloride  
Concen: 53.708 ug/l  
RT: 4.91 min Scan# 493  
Delta R.T. 0.00 min  
Lab File: VW010038.D  
Acq: 18 Apr 2019 11:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 137.2 | 112.3 | 168.5 |
| 51      | 42.5  | 33.9  | 50.9  |
| 86      | 63.1  | 50.2  | 75.4  |





#21

trans-1,2-Dichloroethene

Concen: 57.189 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

MSVOA\_W

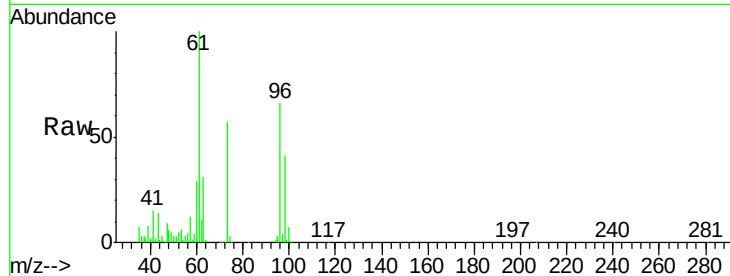
ClientSampleId :

VSTDCCC050

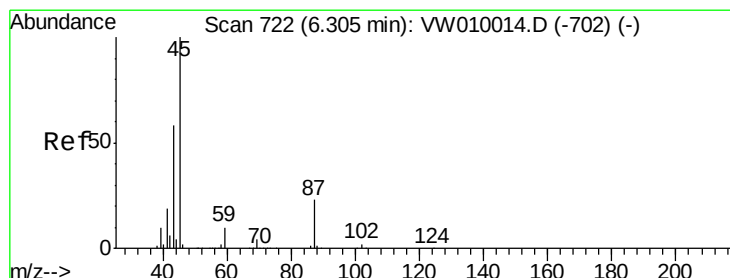
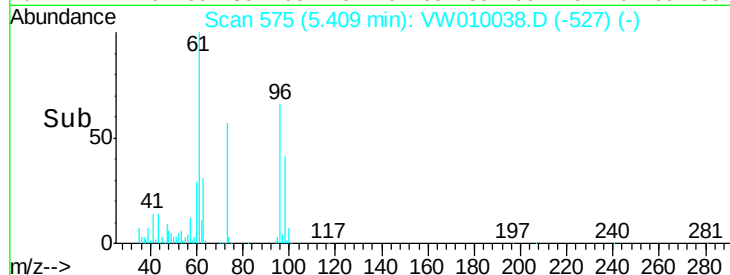
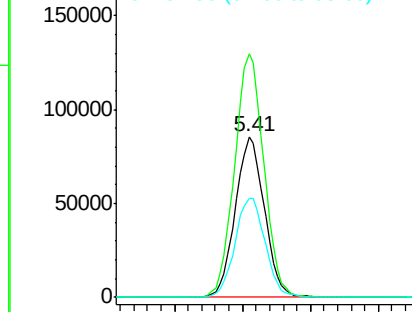
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 253669 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 151.4 | 122.3 | 183.5  |
| 98       | 61.4  | 50.5  | 75.7   |

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



#22

Diisopropyl ether

Concen: 52.534 ug/l

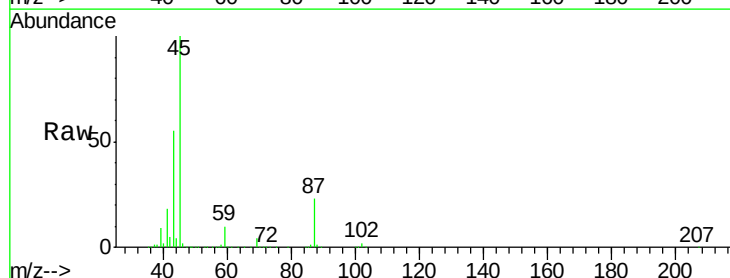
RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

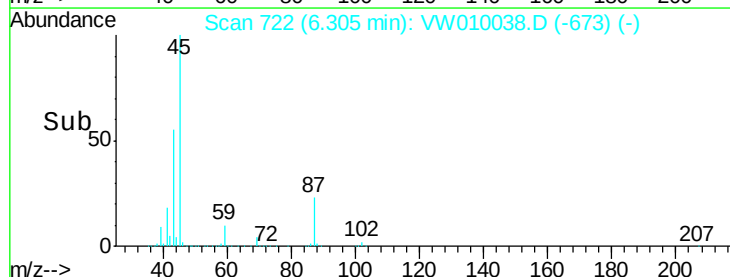
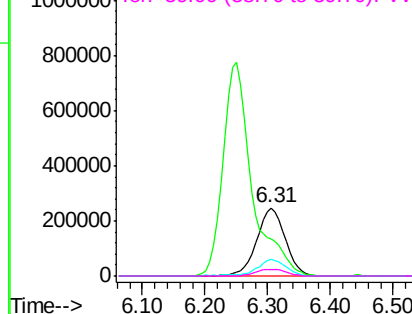
Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

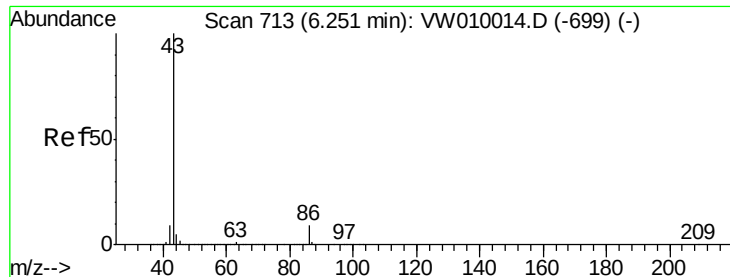
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 776017 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 54.9  | 46.1  | 69.1   |
| 87       | 23.4  | 18.3  | 27.5   |
| 59       | 9.6   | 8.2   | 12.4   |



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







#23

Vinyl Acetate

Concen: 266.601 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Tot Ion: 43 Resp: 2479134

Ion Ratio Lower Upper

43 100

86 9.4 7.0 10.6

Instrument :

MSVOA\_W

ClientSampleId :

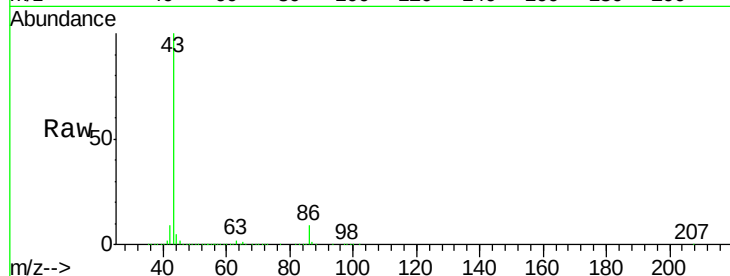
VSTDCCC050

Manual Integrations

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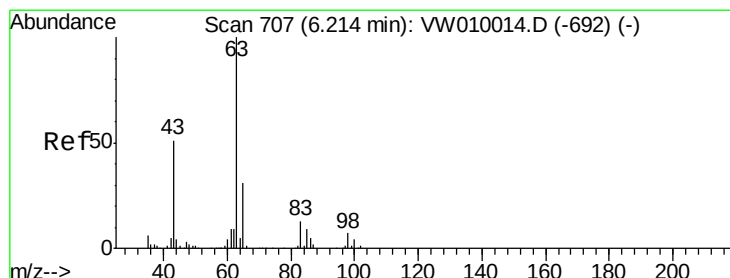
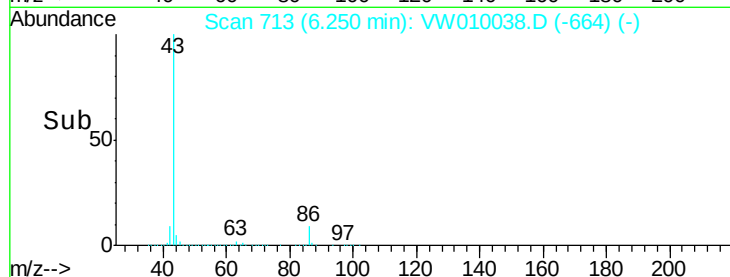
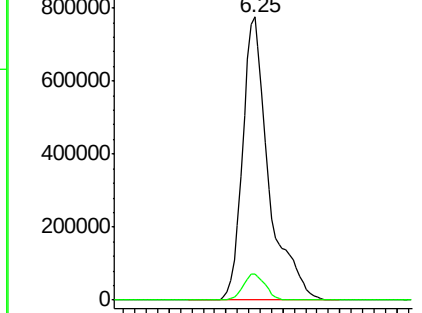
MMDadoda

4/19/2019 12:52:44 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 53.281 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

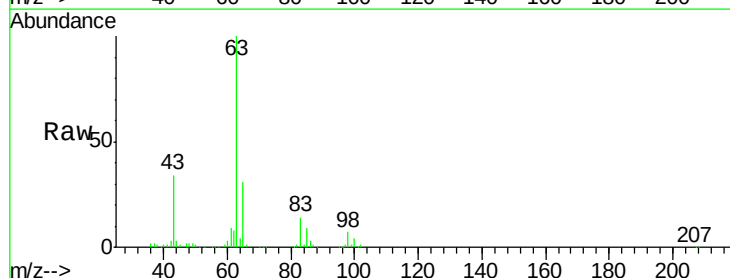
Tgt Ion: 63 Resp: 470497

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

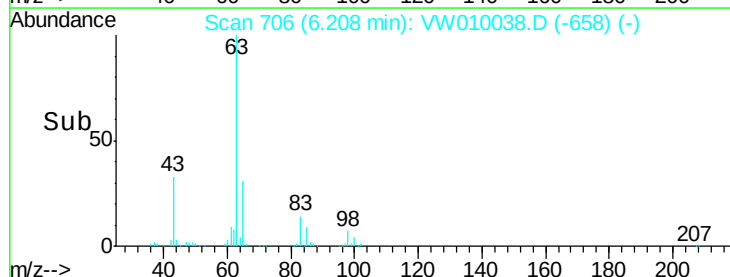
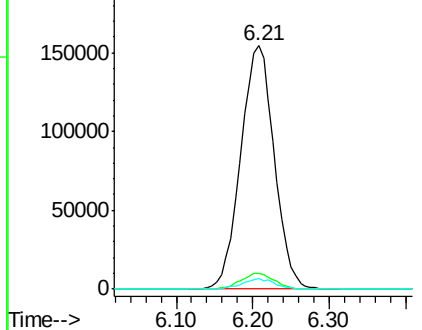
100 4.2 2.0 6.0

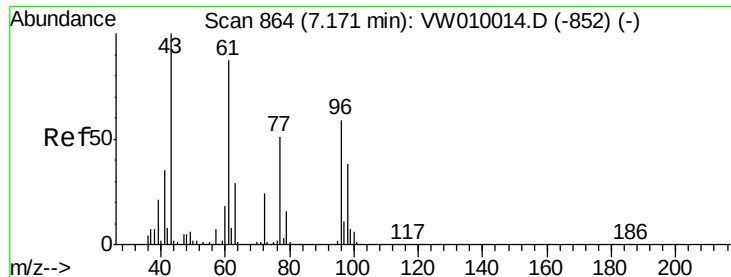


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 244.277 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 380691

Ion Ratio Lower Upper

43 100

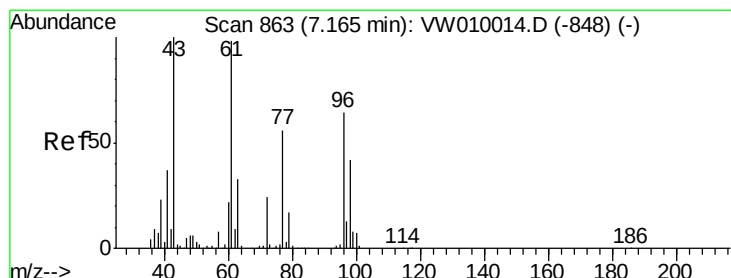
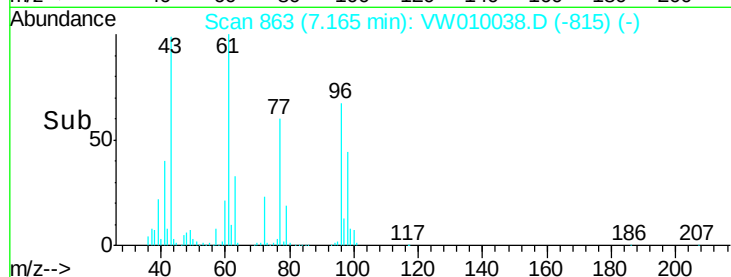
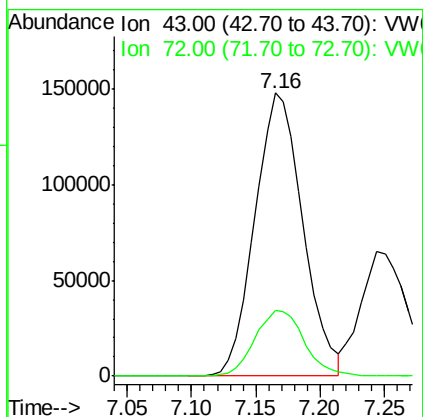
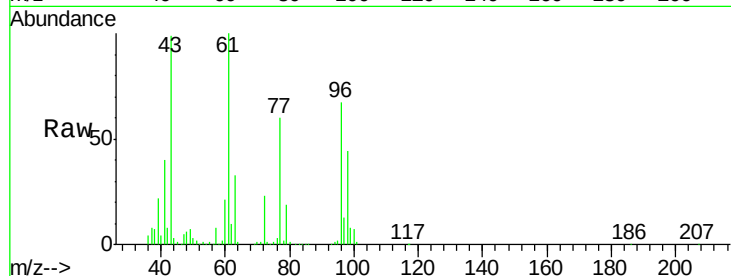
72 23.4 19.1 28.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 54.250 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW010038.D

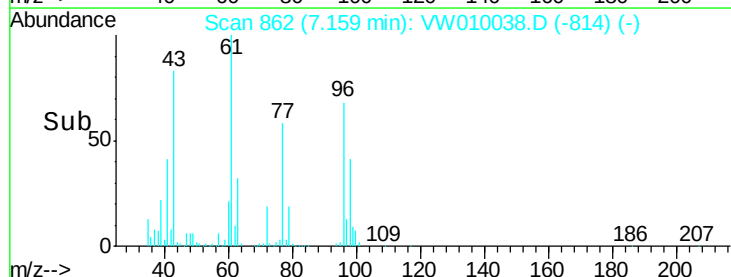
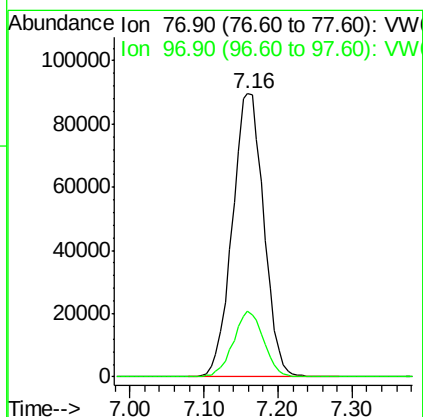
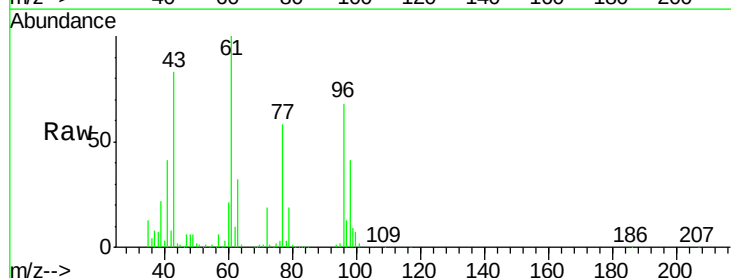
Acq: 18 Apr 2019 11:39

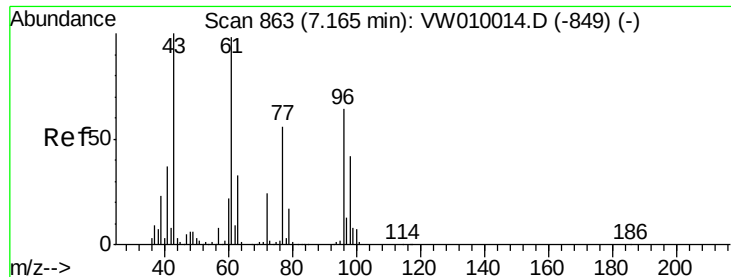
Tgt Ion: 77 Resp: 265042

Ion Ratio Lower Upper

77 100

97 22.4 11.3 33.9





#27

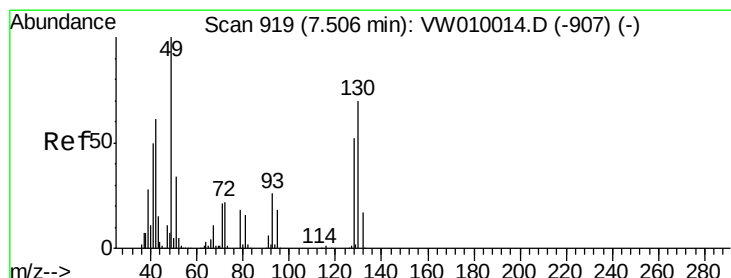
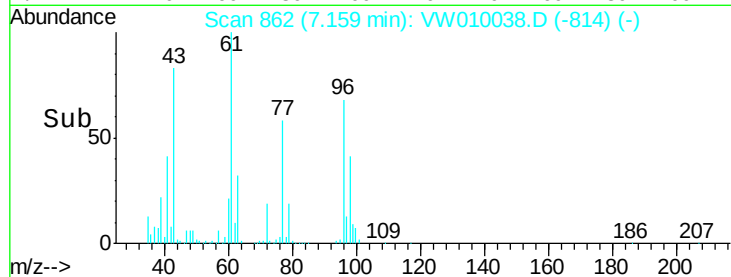
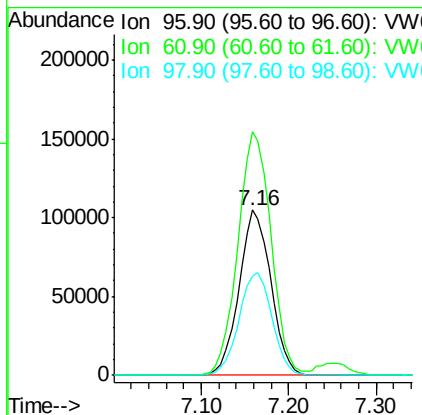
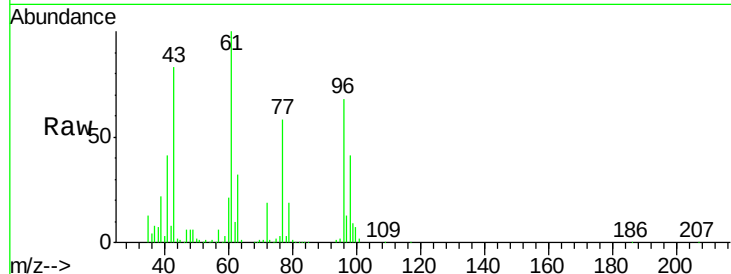
cis-1,2-Dichloroethene  
Concen: 54.324 ug/l  
RT: 7.16 min Scan# 862  
Delta R.T. -0.01 min  
Lab File: VW010038.D  
Acq: 18 Apr 2019 11:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 265007 |       |       |
| 61      | 153.7 | 0.0    | 309.4 |       |
| 98      | 64.5  | 0.0    | 128.6 |       |

Manual Integrations  
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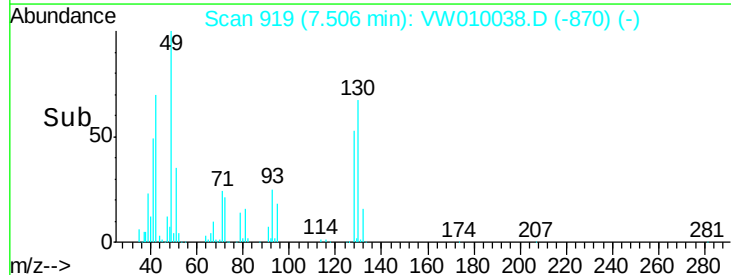
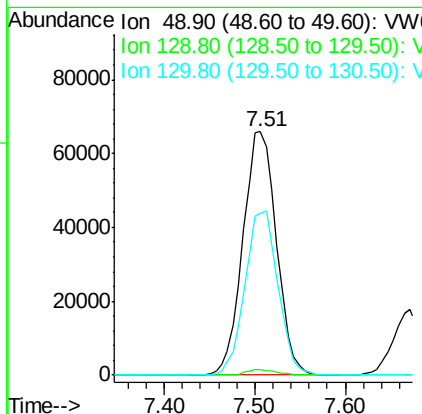
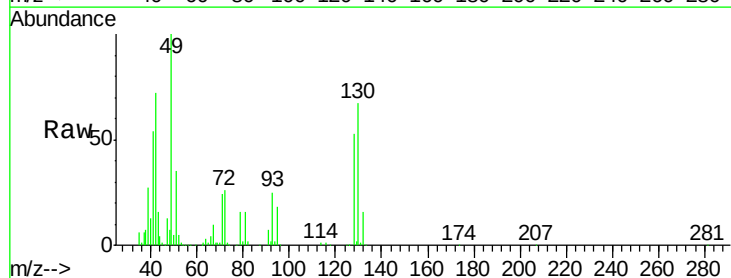
MMDadoda  
4/19/2019 12:52:44 PM

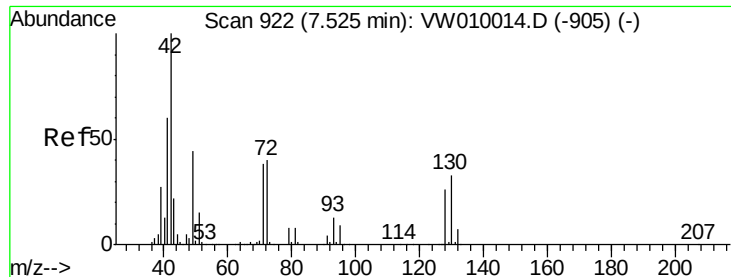


#28

Bromochloromethane  
Concen: 46.811 ug/l  
RT: 7.51 min Scan# 919  
Delta R.T. -0.00 min  
Lab File: VW010038.D  
Acq: 18 Apr 2019 11:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 168929 |       |       |
| 129     | 2.0   | 0.0    | 3.8   |       |
| 130     | 66.7  | 54.6   | 82.0  |       |





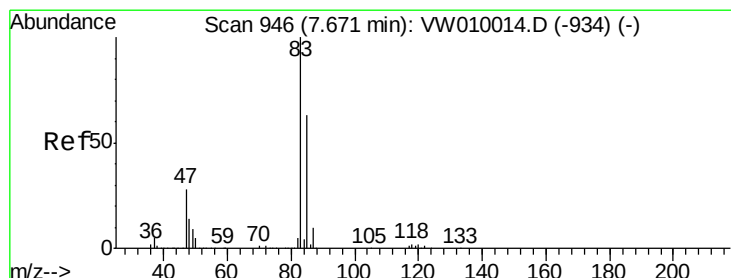
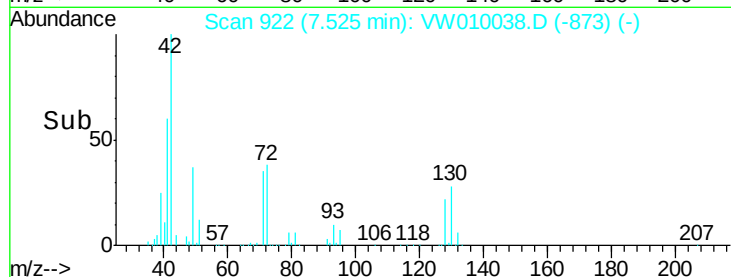
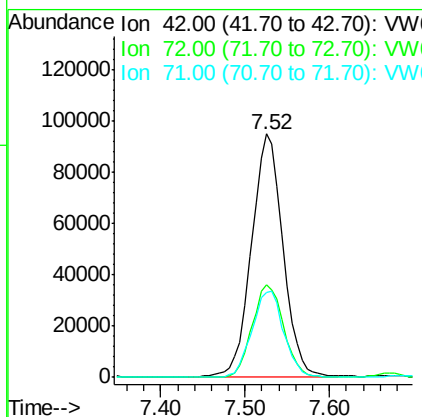
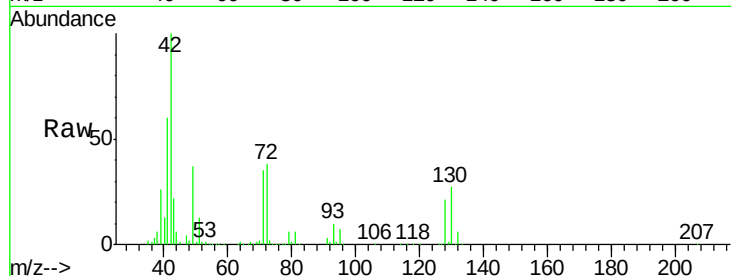
#29  
Tetrahydrofuran  
Concen: 244.714 ug/l  
RT: 7.52 min Scan# 922  
Delta R.T. -0.00 min  
Lab File: VW010038.D  
Acq: 18 Apr 2019 11:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 42    | Resp: | 241650 |
| Ion      | Ratio | Lower | Upper  |
| 42       | 100   |       |        |
| 72       | 38.1  | 31.0  | 46.6   |
| 71       | 36.2  | 29.7  | 44.5   |

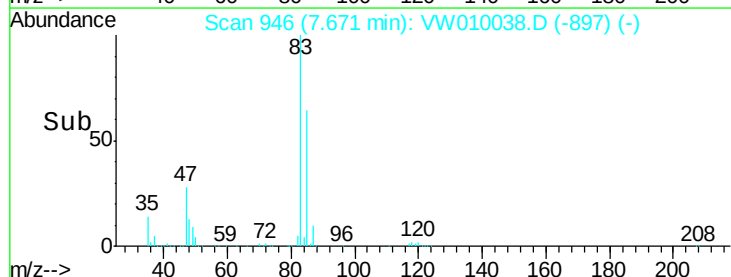
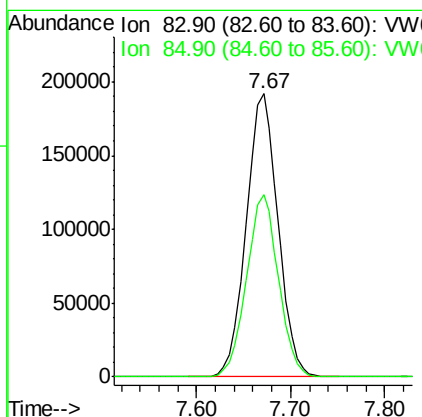
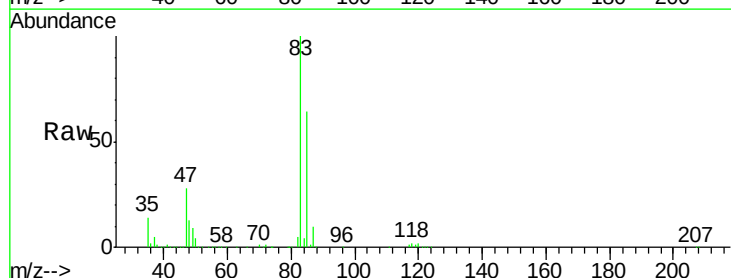
Manual Integrations  
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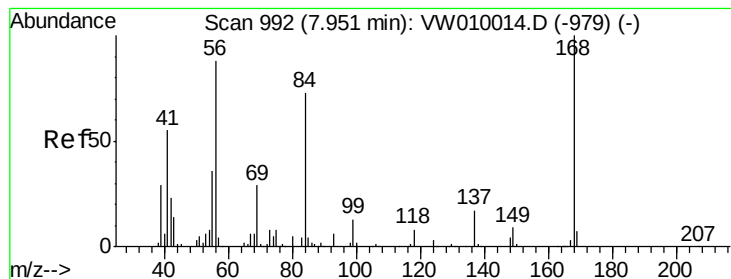
MMDadoda  
4/19/2019 12:52:44 PM



#30  
Chloroform  
Concen: 51.357 ug/l  
RT: 7.67 min Scan# 946  
Delta R.T. -0.00 min  
Lab File: VW010038.D  
Acq: 18 Apr 2019 11:39

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 454427 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 64.5  | 50.7  | 76.1   |





#31

Cyclohexane

Concen: 54.904 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

MSVOA\_W

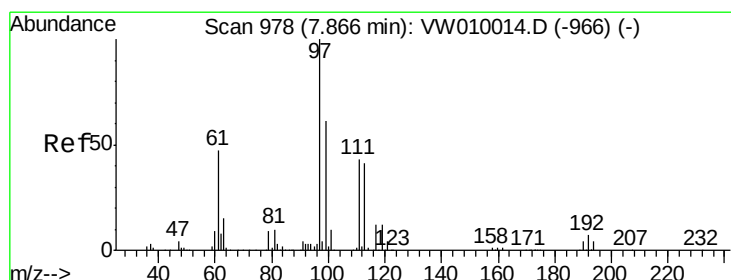
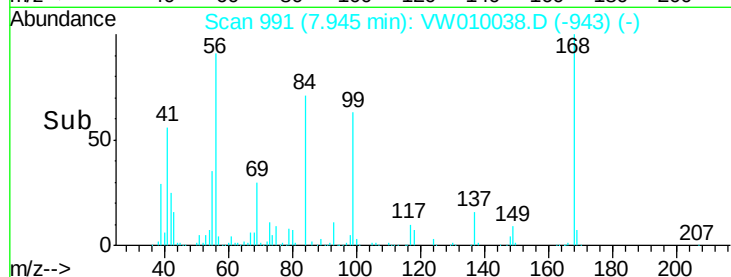
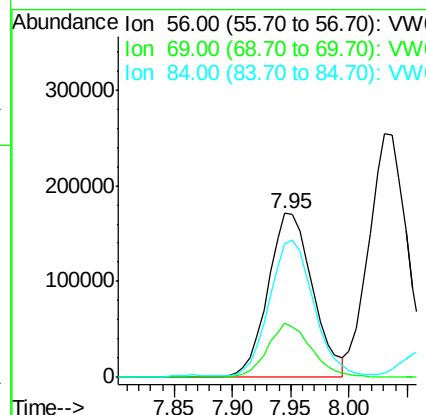
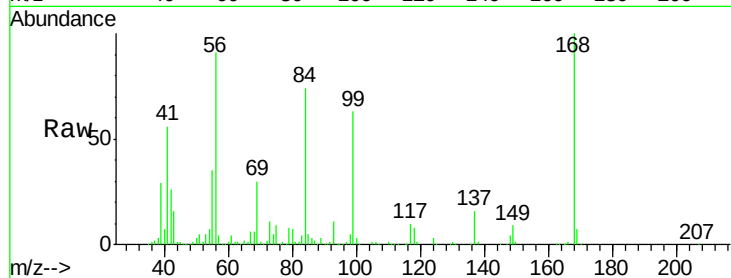
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 56    | Resp: | 454005 |
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 69        | 33.0  | 26.6  | 40.0   |
| 84        | 79.8  | 66.2  | 99.2   |

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4/19/2019 12:52:44 PM



#32

1,1,1-Trichloroethane

Concen: 53.567 ug/l

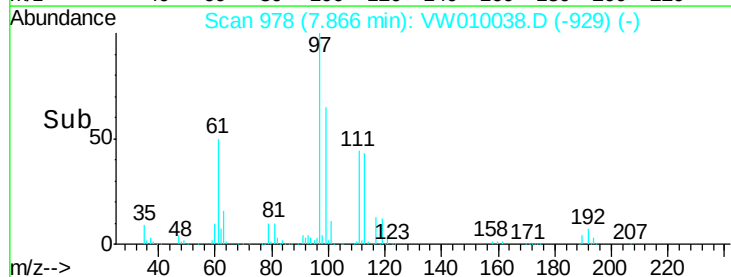
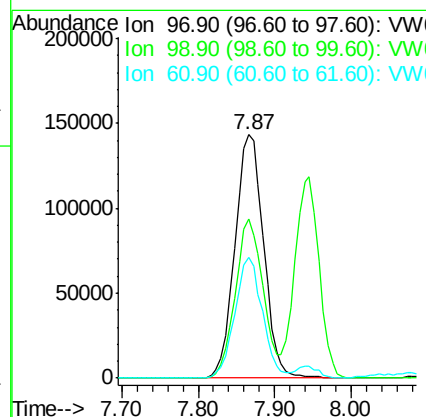
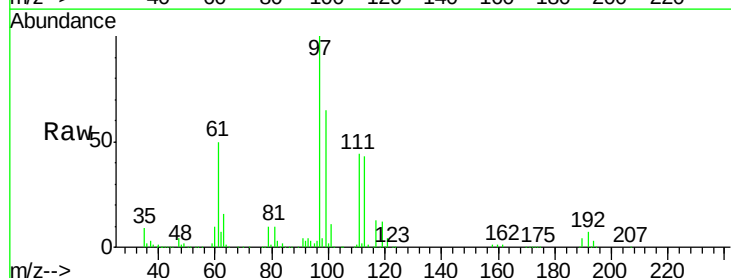
RT: 7.87 min Scan# 978

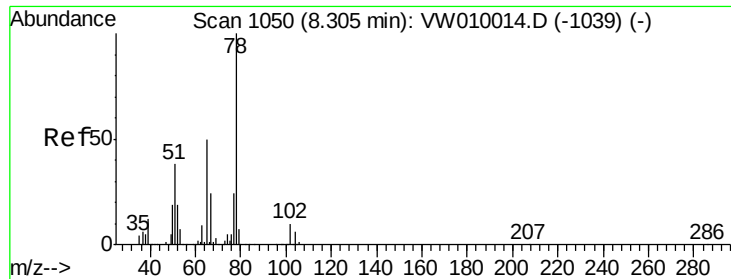
Delta R.T. -0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 97    | Resp: | 372091 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 99        | 62.8  | 50.2  | 75.2   |
| 61        | 47.6  | 38.2  | 57.2   |





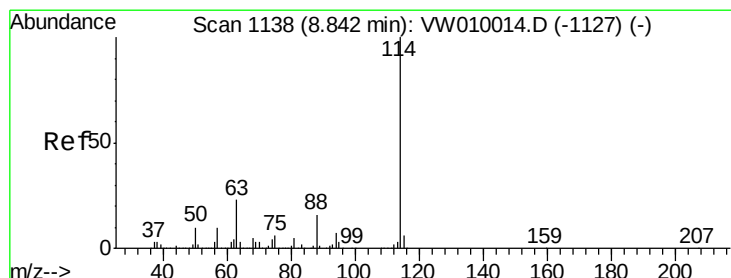
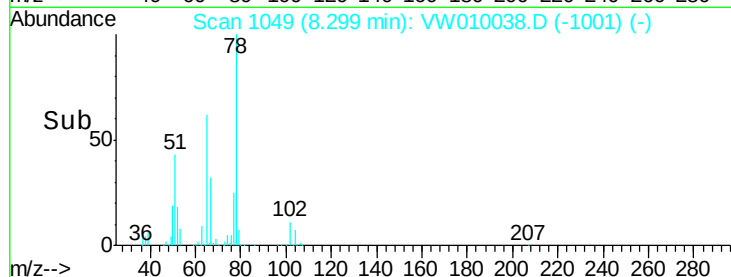
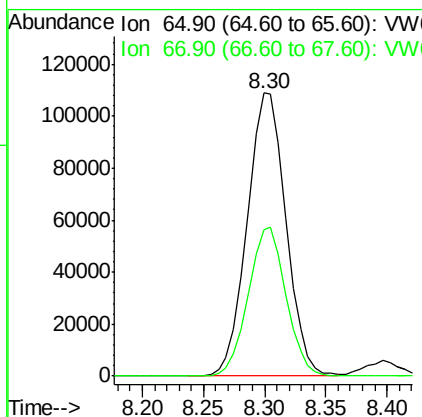
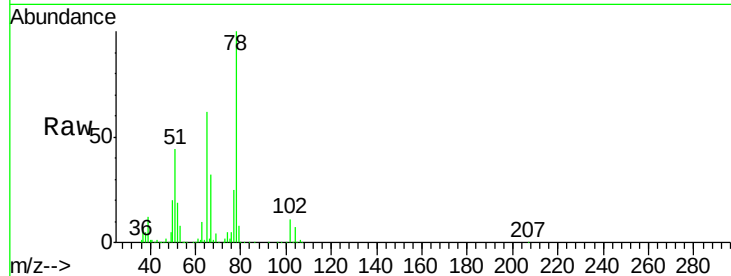
#33  
 1,2-Dichloroethane-d4  
 Concen: 47.040 ug/l  
 RT: 8.30 min Scan# 1049  
 Delta R.T. -0.01 min  
 Lab File: VW010038.D  
 Acq: 18 Apr 2019 11:39

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 65      | 100   |      |       |       |
| 67      | 51.4  | 0.0  | 100.8 |       |

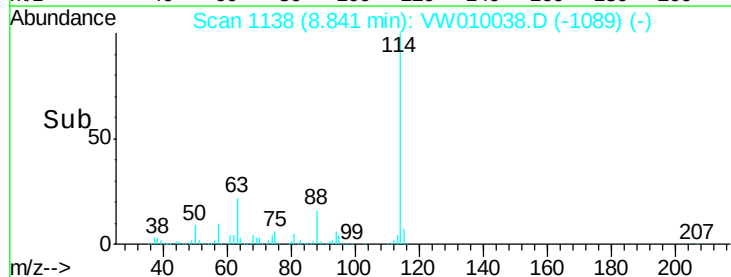
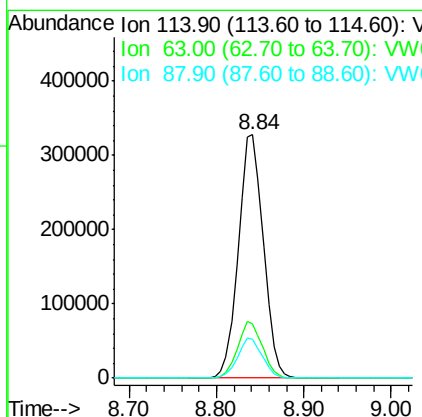
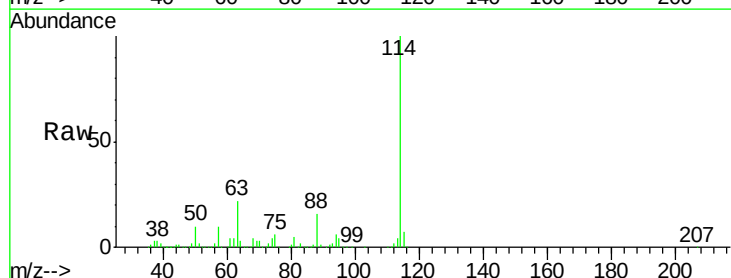
Manual Integrations  
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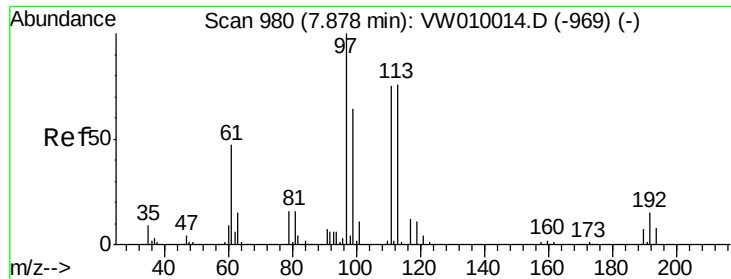
MMDadoda  
 4/19/2019 12:52:44 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW010038.D  
 Acq: 18 Apr 2019 11:39

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 114     | 100   |      |       |       |
| 63      | 22.5  | 0.0  | 46.2  |       |
| 88      | 15.8  | 0.0  | 32.6  |       |





#35

Dibromofluoromethane

Concen: 49.856 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

MSVOA\_W

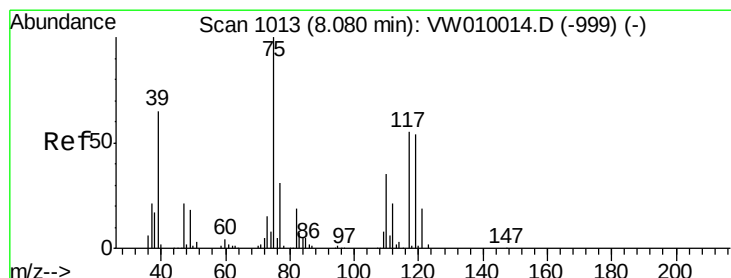
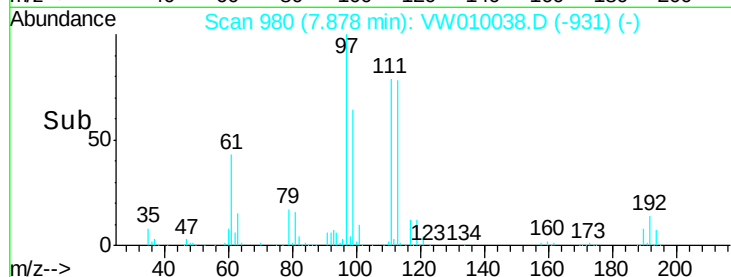
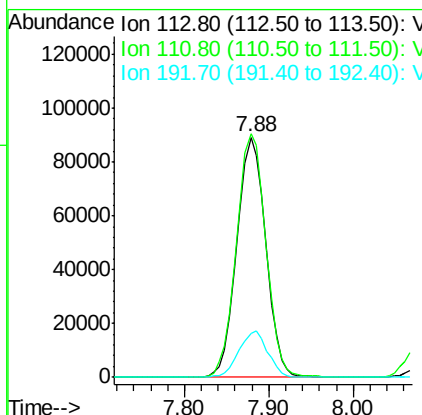
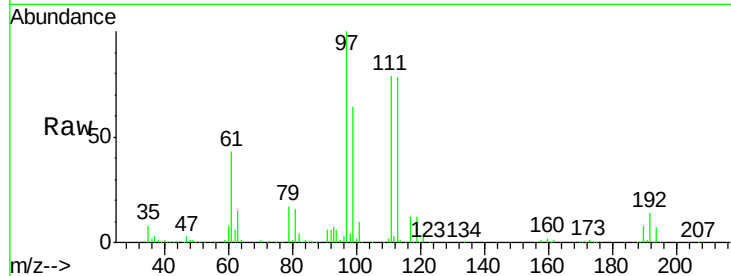
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 206142 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 103.0 | 82.6  | 123.8  |
| 192       | 19.3  | 15.4  | 23.2   |

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#36

1,1-Dichloropropene

Concen: 57.843 ug/l

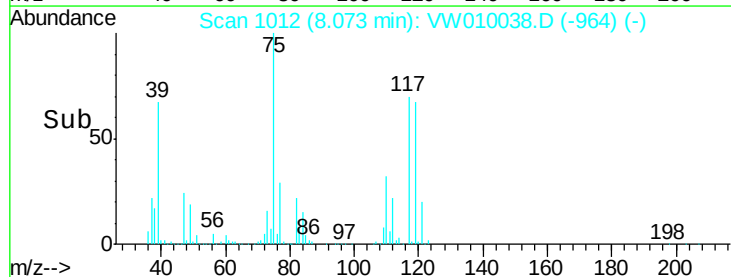
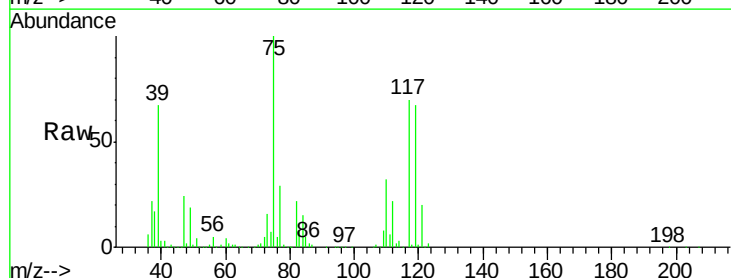
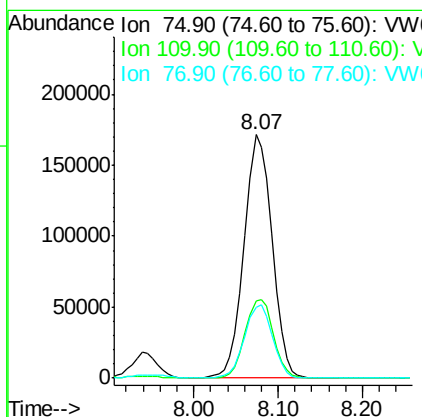
RT: 8.07 min Scan# 1012

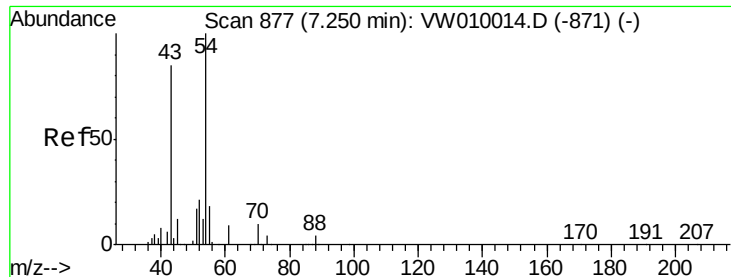
Delta R.T. -0.01 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 384261 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 32.6  | 16.6  | 49.8   |
| 77        | 30.6  | 24.8  | 37.2   |





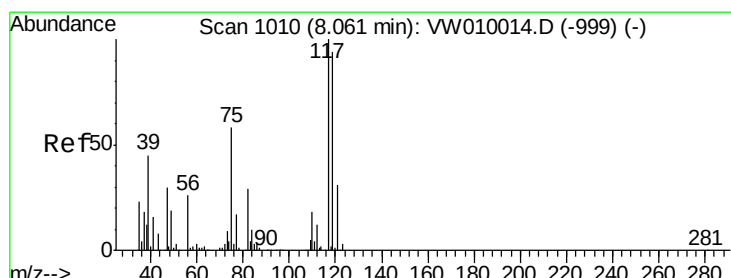
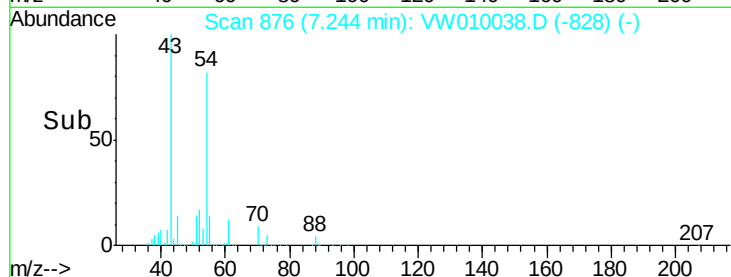
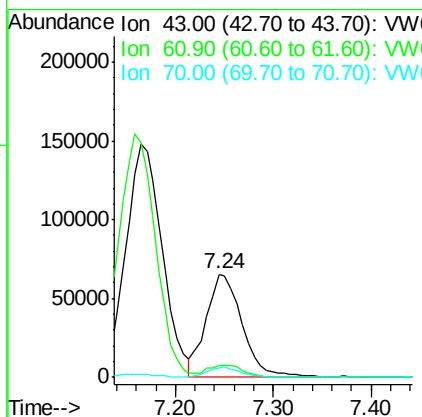
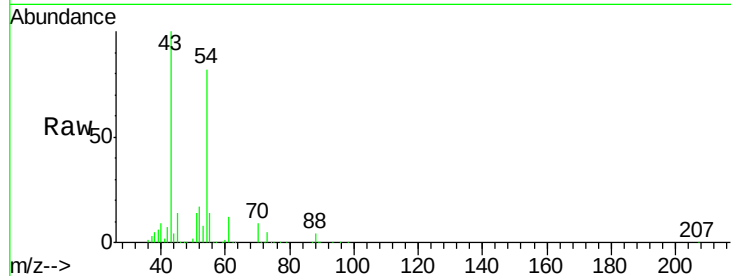
#37  
Ethyl Acetate  
Concen: 48.920 ug/l  
RT: 7.24 min Scan# 876  
Delta R.T. -0.01 min  
Lab File: VW010038.D  
Acq: 18 Apr 2019 11:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 43      | 100   | 165139 |       |       |
| 61      | 12.2  |        | 9.8   | 14.8  |
| 70      | 9.1   |        | 7.4   | 11.0  |

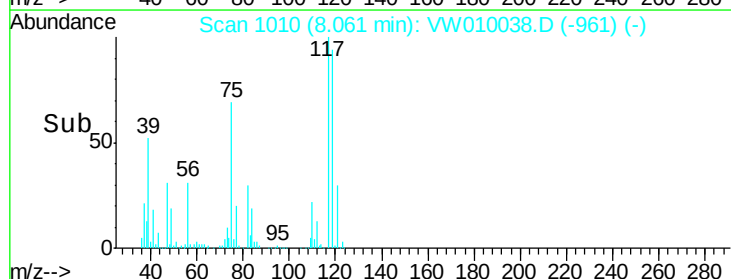
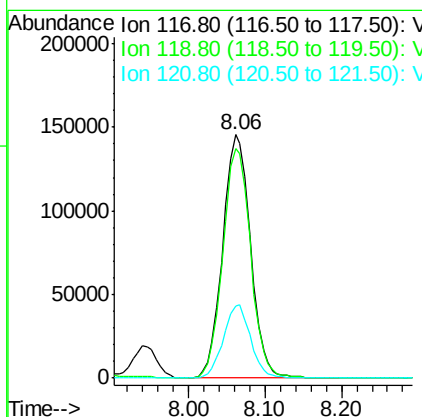
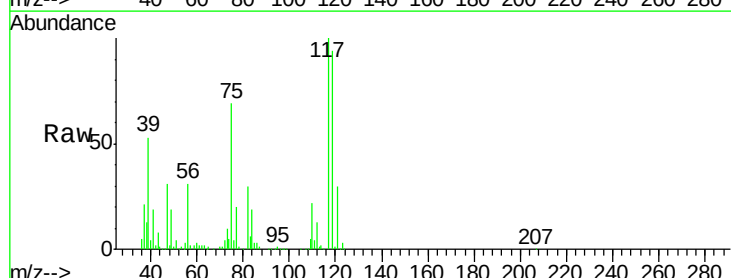
Manual Integrations  
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MMDadoda  
4/19/2019 12:52:44 PM

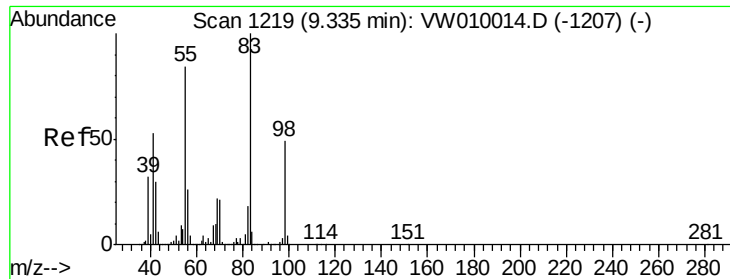


#38  
Carbon Tetrachloride  
Concen: 56.426 ug/l  
RT: 8.06 min Scan# 1010  
Delta R.T. -0.00 min  
Lab File: VW010038.D  
Acq: 18 Apr 2019 11:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 365838 |       |       |
| 119     | 94.2  |        | 75.3  | 112.9 |
| 121     | 29.6  |        | 24.4  | 36.6  |







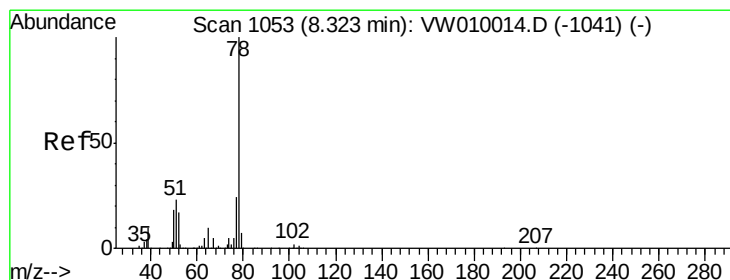
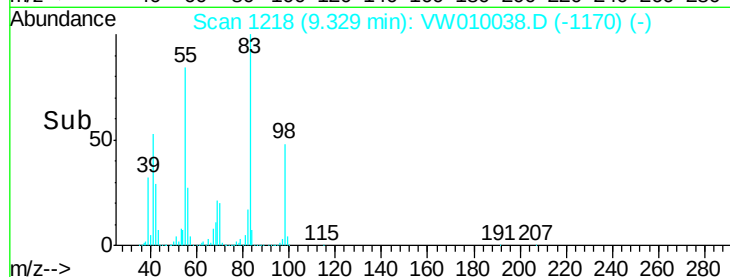
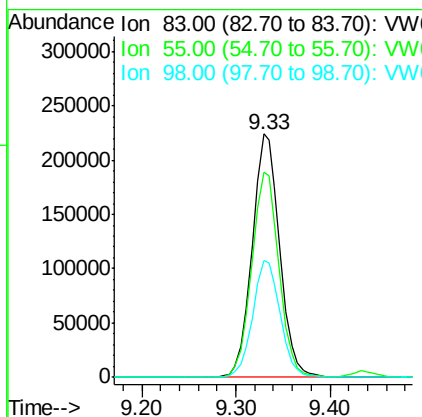
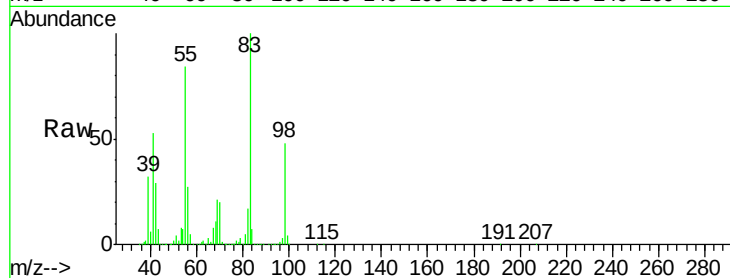
#39  
Methylvlcyclohexane  
Concen: 56.601 ug/l  
RT: 9.33 min Scan# 1218  
Delta R.T. -0.01 min  
Lab File: VW010038.D  
Acq: 18 Apr 2019 11:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 84.0  | 67.1  | 100.7 |
| 98      | 48.0  | 39.2  | 58.8  |

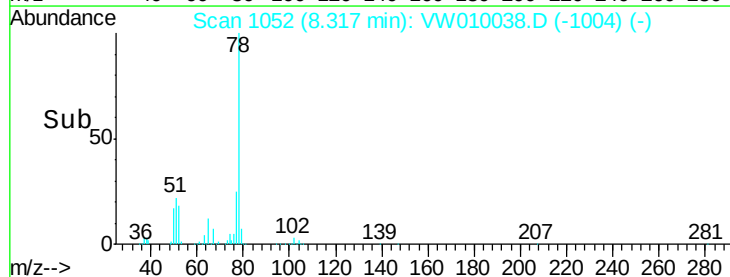
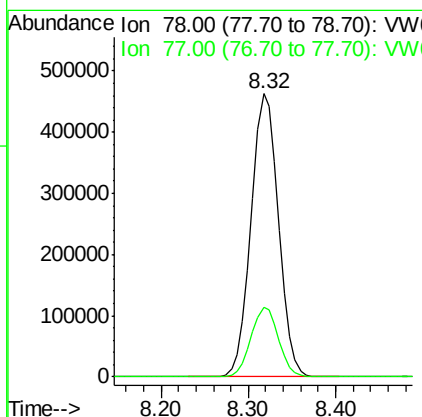
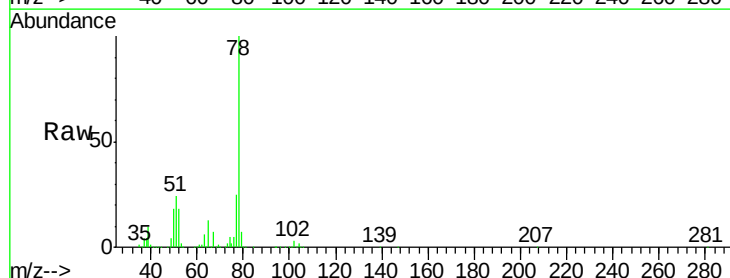
Manual Integrations  
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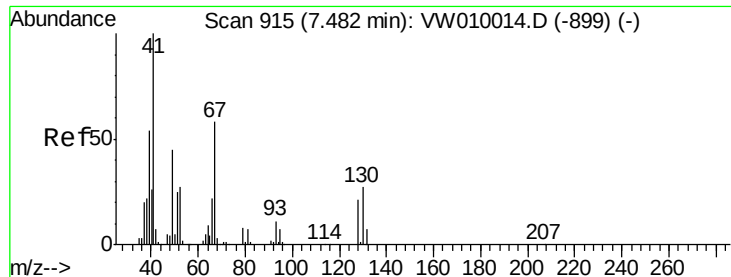
MMDadoda  
4/19/2019 12:52:44 PM



#40  
Benzene  
Concen: 55.604 ug/l  
RT: 8.32 min Scan# 1052  
Delta R.T. -0.01 min  
Lab File: VW010038.D  
Acq: 18 Apr 2019 11:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.7  | 19.1  | 28.7  |





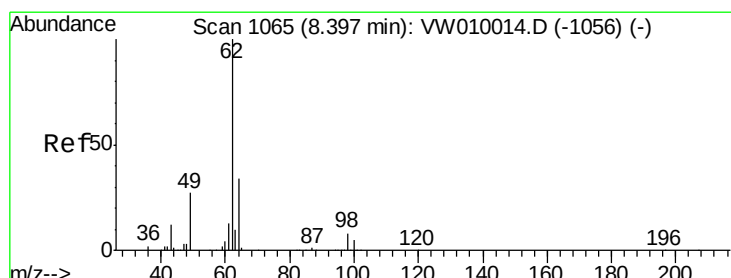
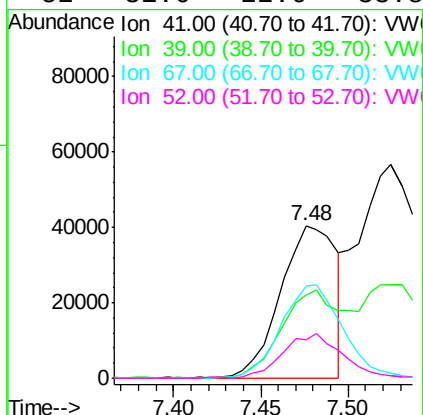
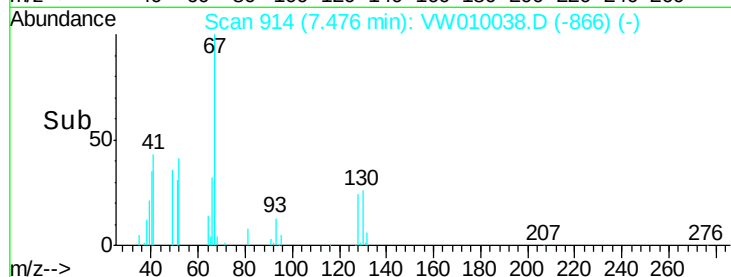
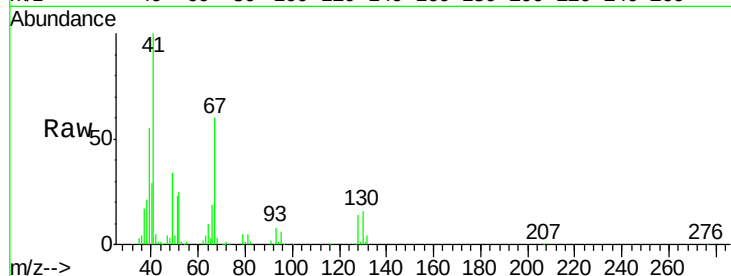
#41  
Methacrylonitrile  
Concen: 46.355 ug/l  
RT: 7.48 min Scan# 914  
Delta R.T. -0.01 min  
Lab File: VW010038.D  
Acq: 18 Apr 2019 11:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 41      | 100  |       | 89184 |       |       |
| 39      | 63.5 | 45.0  | 67.4  |       |       |
| 67      | 68.8 | 50.7  | 76.1  |       |       |
| 52      | 31.6 | 22.6  | 33.8  |       |       |

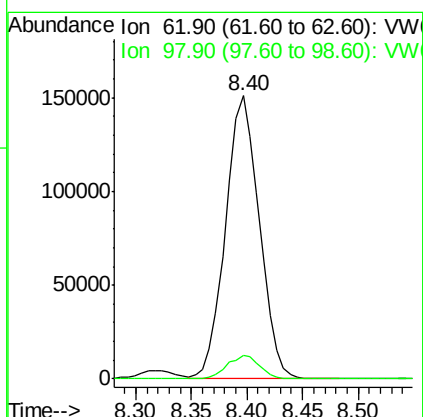
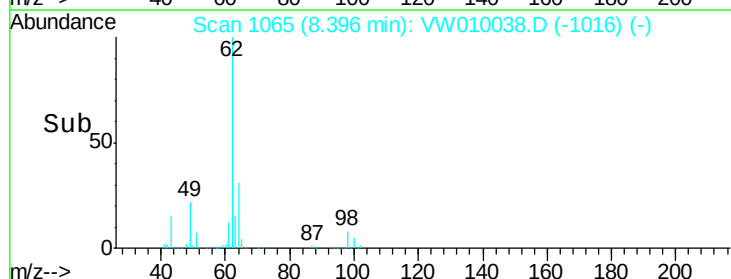
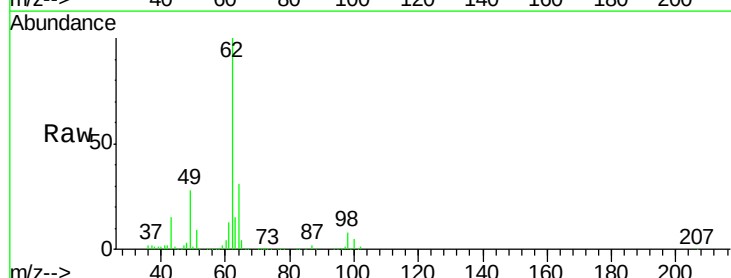
Manual Integrations  
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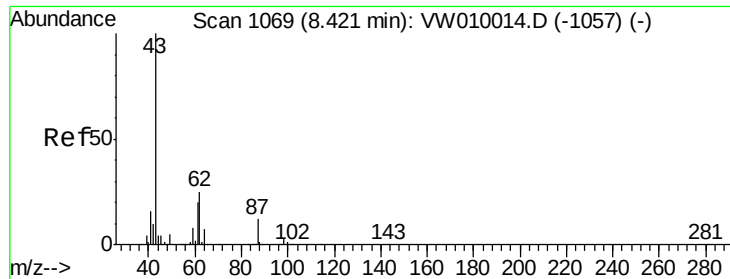
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#42  
1,2-Dichloroethane  
Concen: 51.001 ug/l  
RT: 8.40 min Scan# 1065  
Delta R.T. -0.00 min  
Lab File: VW010038.D  
Acq: 18 Apr 2019 11:39

| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 62      | 100 |       | 318366 |       |       |
| 98      | 8.1 | 0.0   | 16.6   |       |       |





#43

Isopropyl Acetate

Concen: 50.297 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

MSVOA\_W

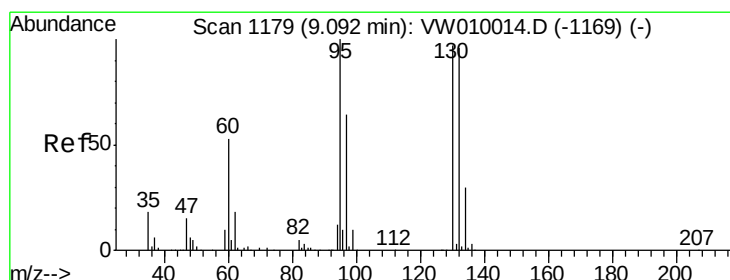
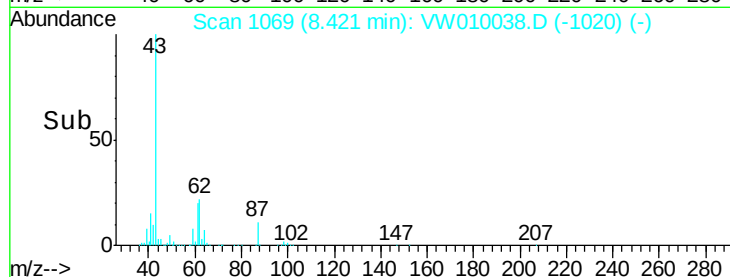
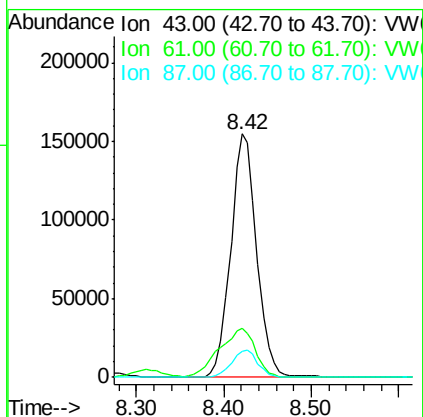
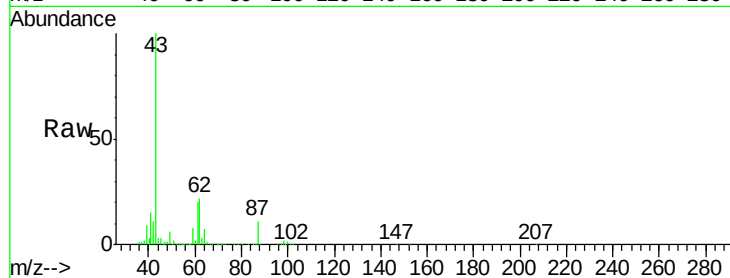
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 318167 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 28.2  | 23.0  | 34.6   |
| 87       | 11.4  | 9.3   | 13.9   |

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#44

Trichloroethene

Concen: 56.280 ug/l

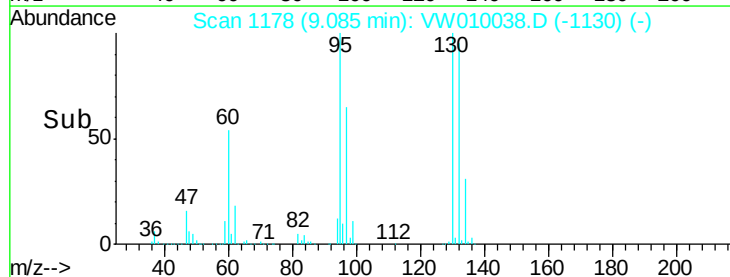
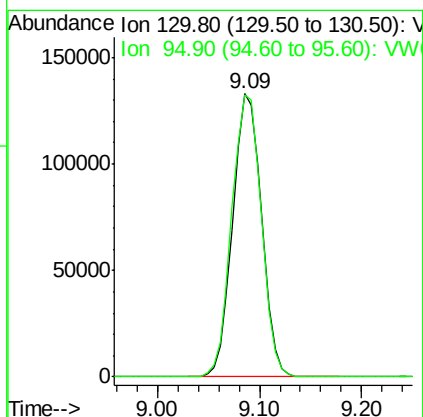
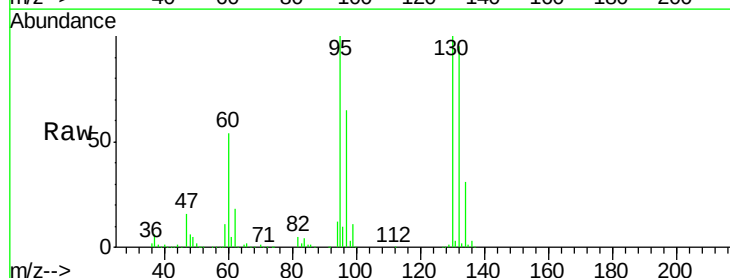
RT: 9.09 min Scan# 1178

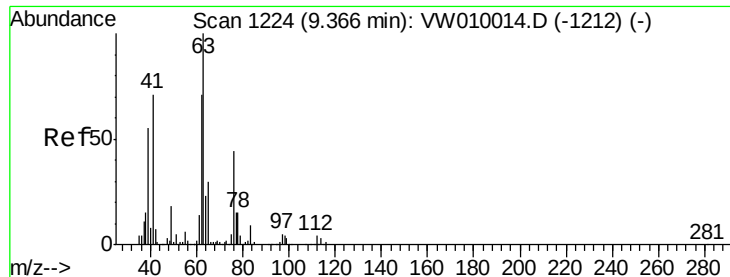
Delta R.T. -0.01 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 259650 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 99.5  | 0.0   | 205.4  |





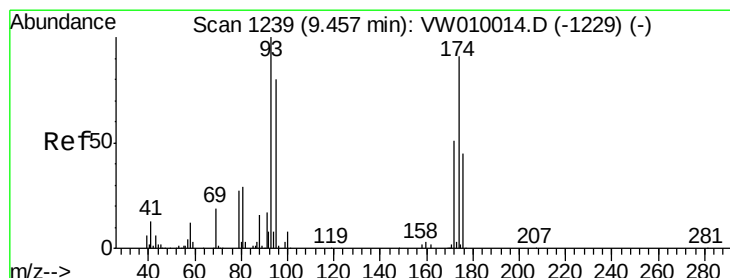
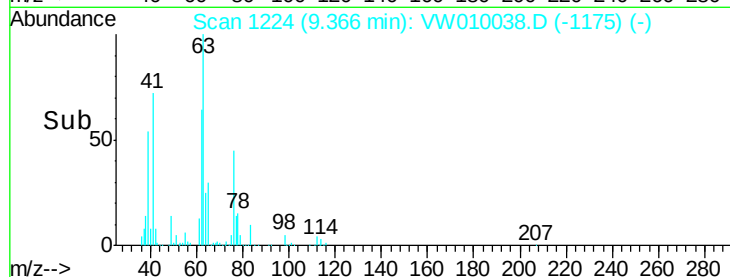
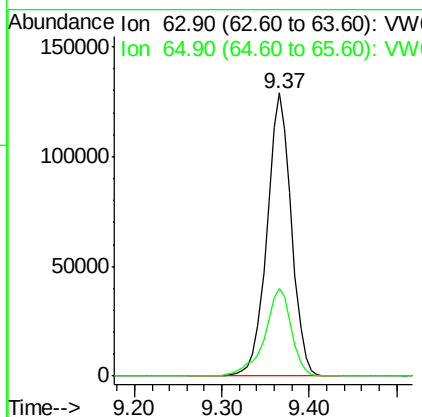
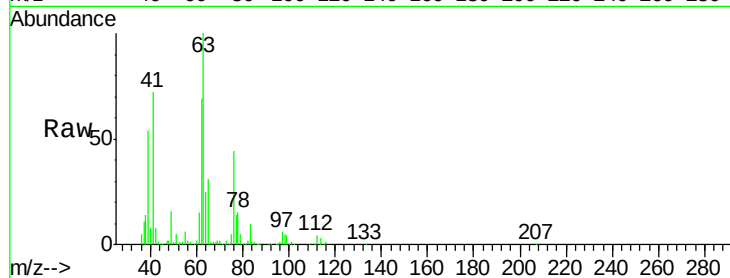
#45  
 1,2-Dichloropropane  
 Concen: 52.712 ug/l  
 RT: 9.37 min Scan# 1224  
 Delta R.T. -0.00 min  
 Lab File: VW010038.D  
 Acq: 18 Apr 2019 11:39

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 30.9  | 23.8  | 35.6  |

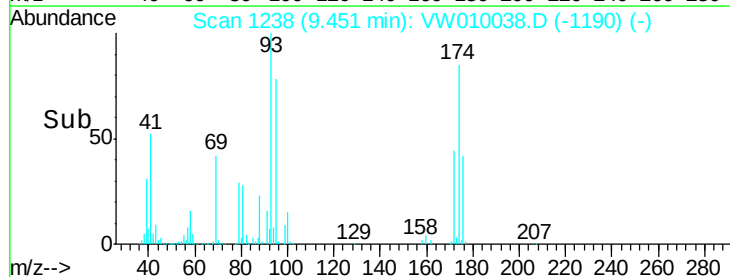
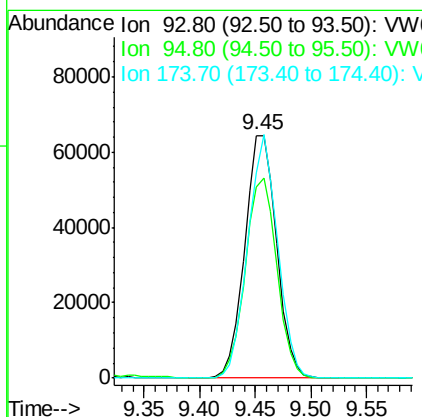
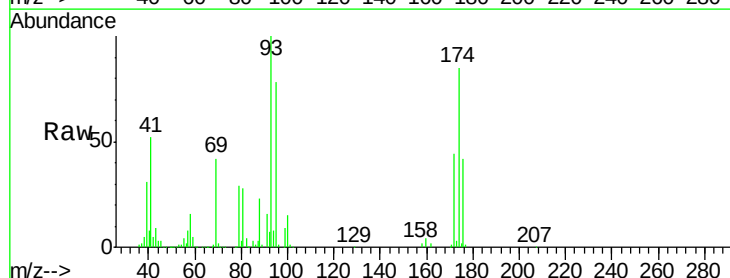
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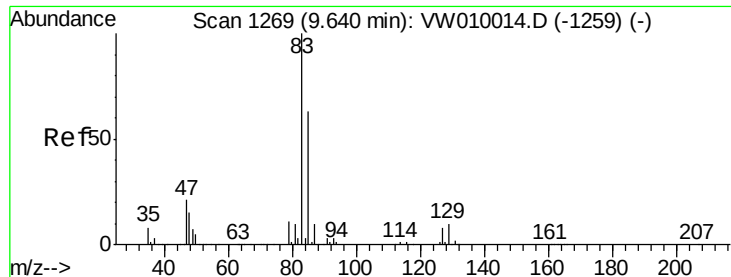
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#46  
 Dibromomethane  
 Concen: 51.880 ug/l  
 RT: 9.45 min Scan# 1238  
 Delta R.T. -0.01 min  
 Lab File: VW010038.D  
 Acq: 18 Apr 2019 11:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 81.9  | 65.8  | 98.8  |
| 174     | 94.0  | 75.5  | 113.3 |





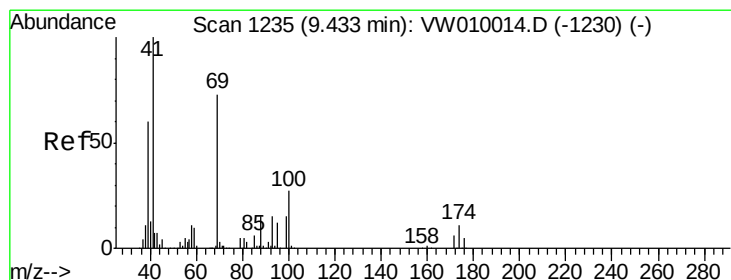
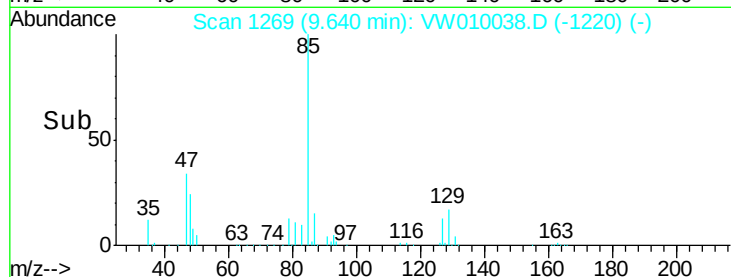
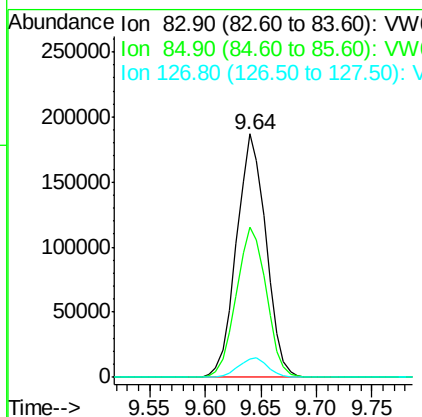
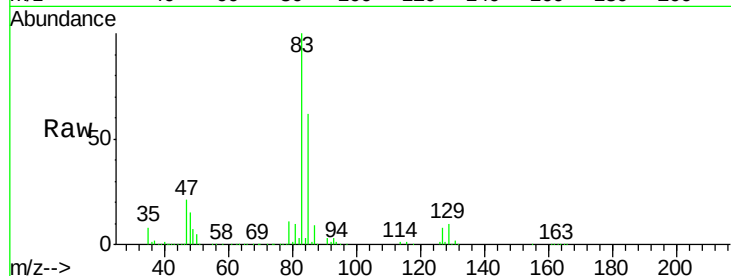
#47  
Bromodichloromethane  
Concen: 53.697 ug/l  
RT: 9.64 min Scan# 1269  
Delta R.T. -0.00 min  
Lab File: VW010038.D  
Acq: 18 Apr 2019 11:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 343015 |       |       |
| 85      | 61.6  | 50.6   | 75.8  |       |
| 127     | 7.7   | 6.6    | 10.0  |       |

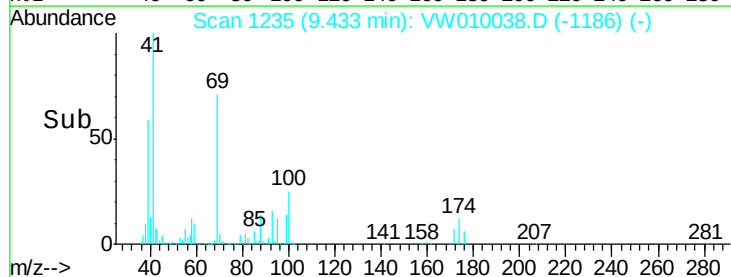
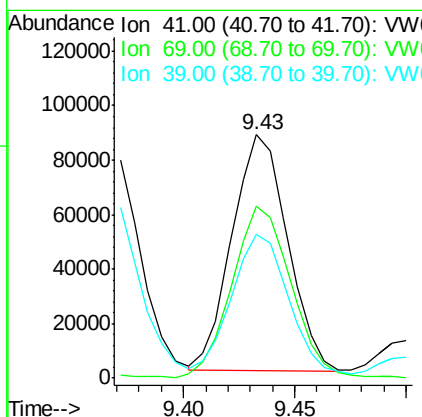
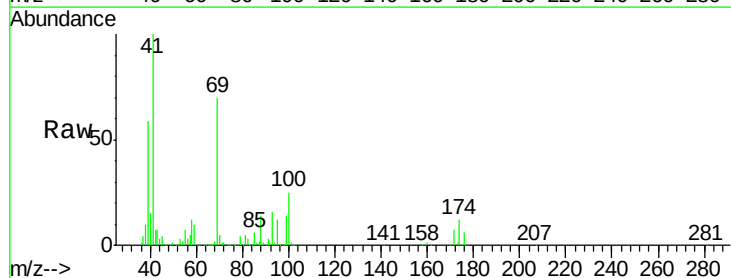
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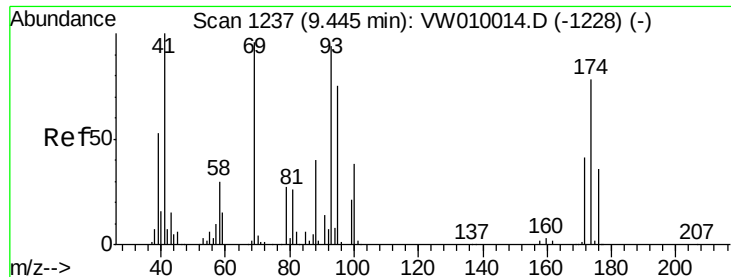
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#48  
Methyl methacrylate  
Concen: 48.933 ug/l  
RT: 9.43 min Scan# 1235  
Delta R.T. -0.00 min  
Lab File: VW010038.D  
Acq: 18 Apr 2019 11:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 41      | 100   | 150675 |       |       |
| 69      | 77.6  | 60.1   | 90.1  |       |
| 39      | 59.7  | 51.0   | 76.6  |       |





#49

1,4-Dioxane

Concen: 975.677 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 88 Resp: 36892

Ion Ratio Lower Upper

88 100

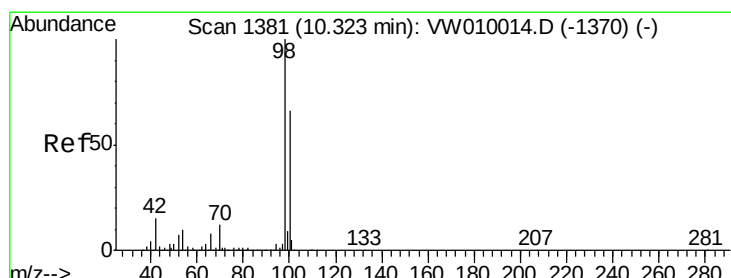
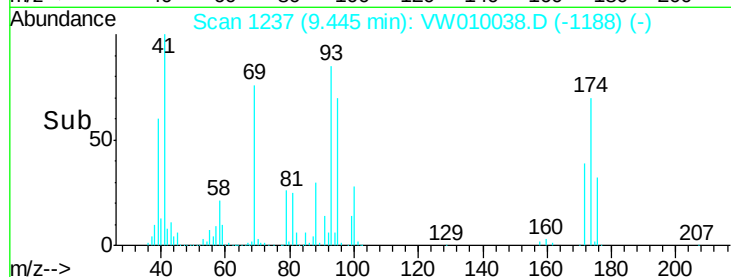
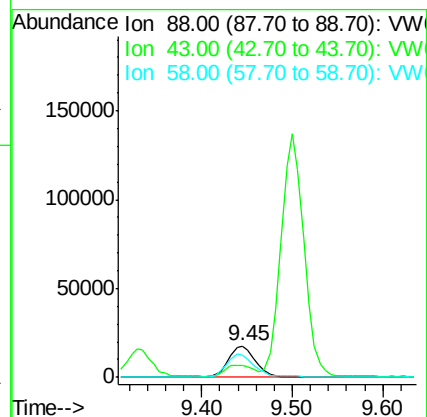
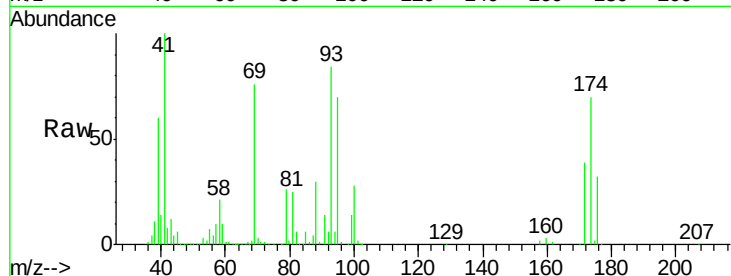
43 36.5 31.9 47.9

58 78.7 61.8 92.6

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#50

Toluene-d8

Concen: 53.274 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010038.D

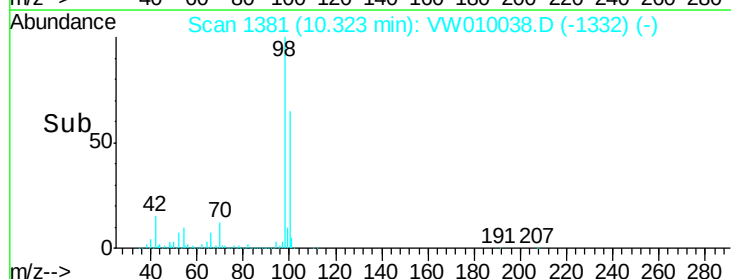
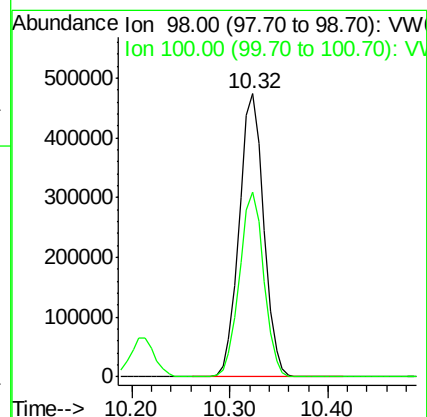
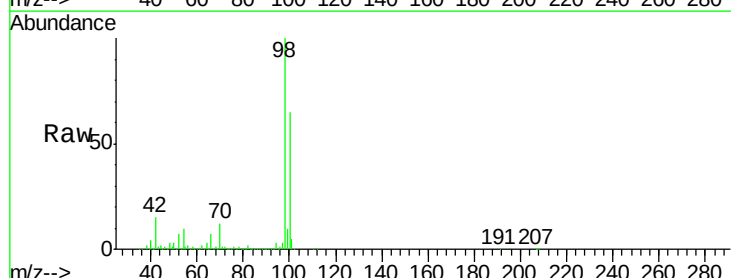
Acq: 18 Apr 2019 11:39

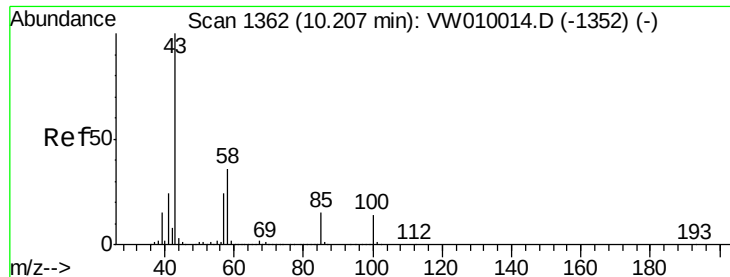
Tgt Ion: 98 Resp: 825398

Ion Ratio Lower Upper

98 100

100 64.9 52.3 78.5





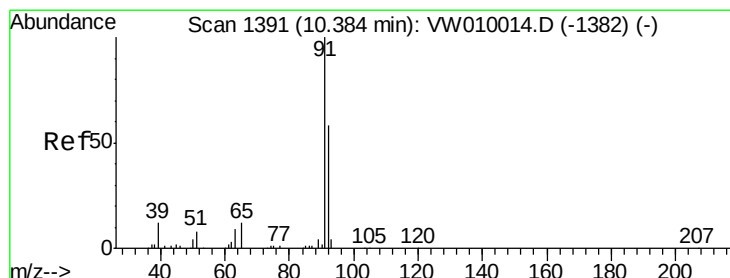
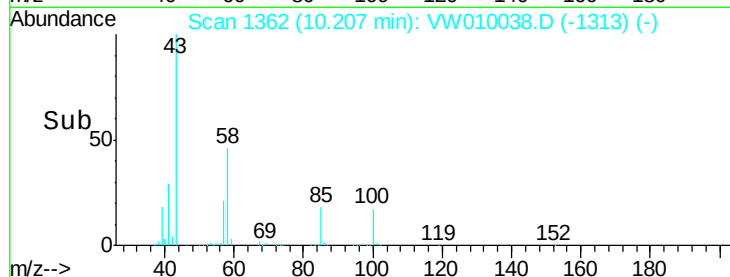
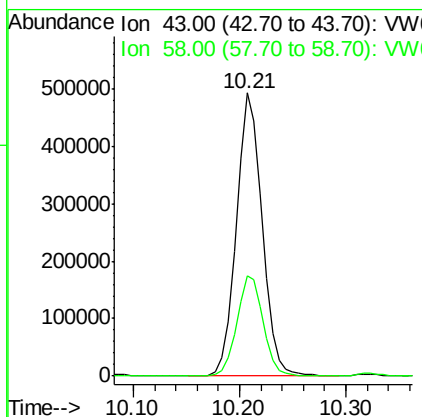
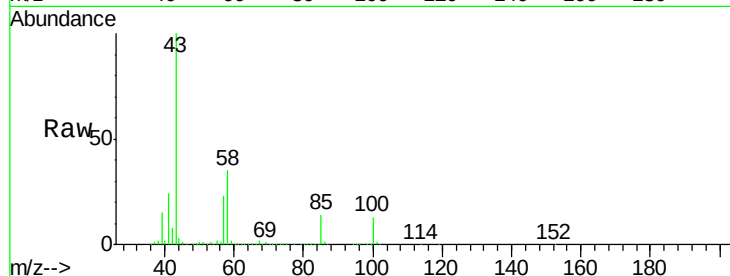
#51  
4-Methyl-2-Pentanone  
Concen: 252.296 ug/l  
RT: 10.21 min Scan# 1362  
Delta R.T. -0.00 min  
Lab File: VW010038.D  
Acq: 18 Apr 2019 11:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 36.0  | 28.9  | 43.3  |

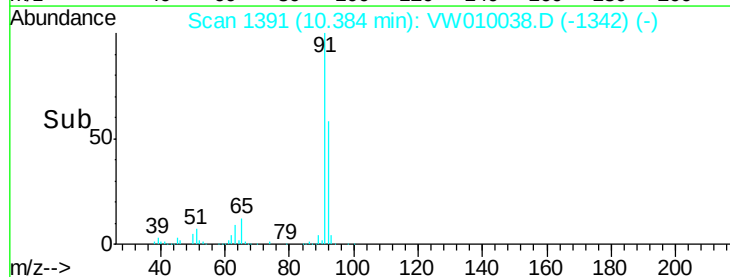
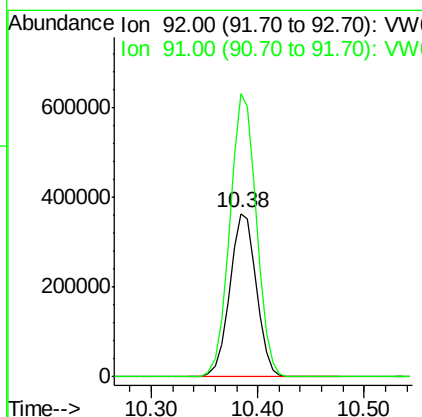
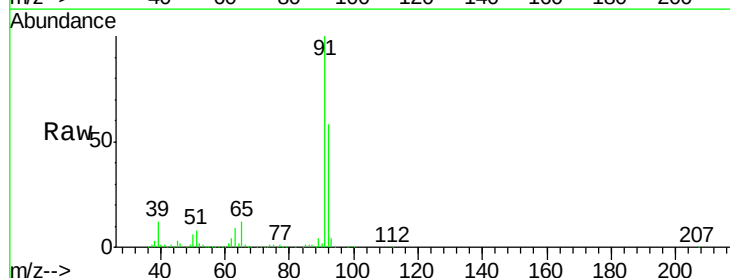
Manual Integrations  
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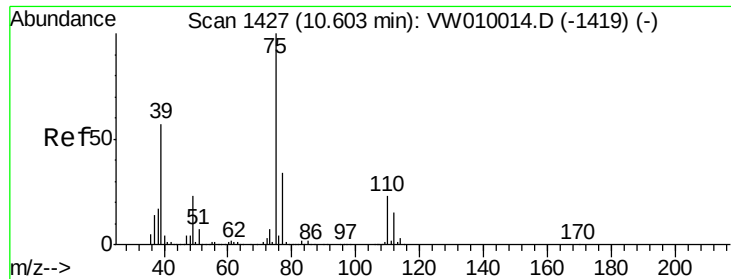
MMDadoda  
4/19/2019 12:52:44 PM



#52  
Toluene  
Concen: 56.175 ug/l  
RT: 10.38 min Scan# 1391  
Delta R.T. -0.00 min  
Lab File: VW010038.D  
Acq: 18 Apr 2019 11:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 92      | 100   |       |       |
| 91      | 173.5 | 138.5 | 207.7 |





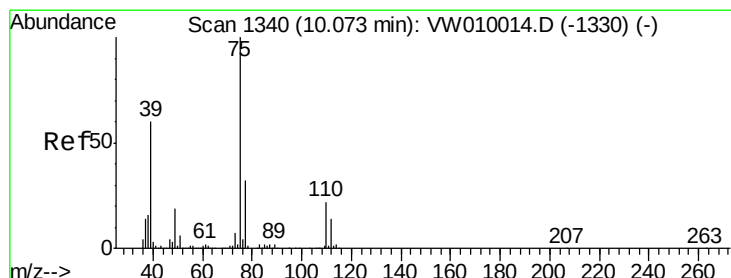
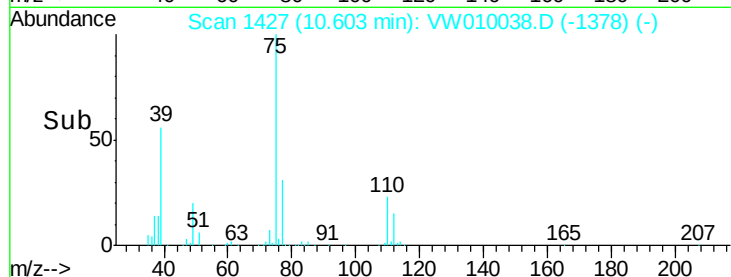
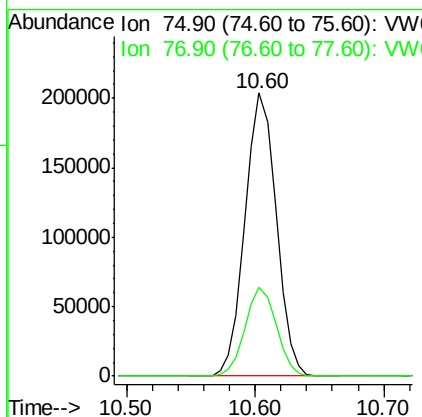
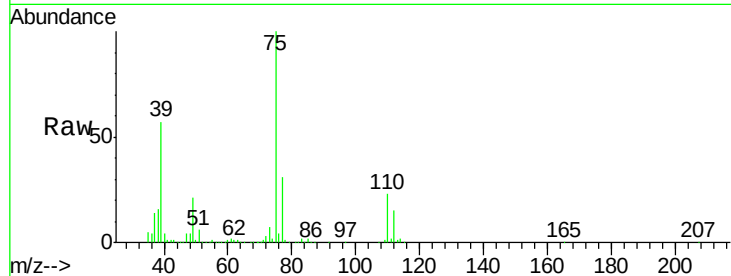
#53  
 t-1,3-Dichloropropene  
 Concen: 54.012 ug/l  
 RT: 10.60 min Scan# 1427  
 Delta R.T. -0.00 min  
 Lab File: VW010038.D  
 Acq: 18 Apr 2019 11:39

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.1  | 26.9  | 40.3  |

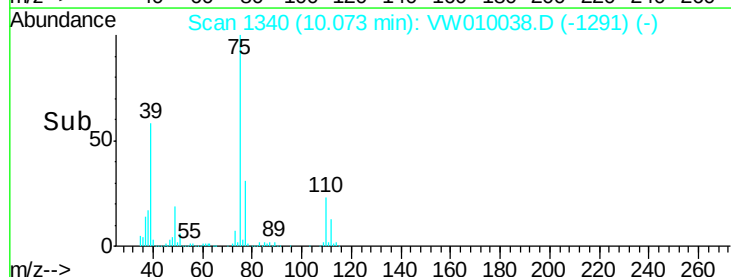
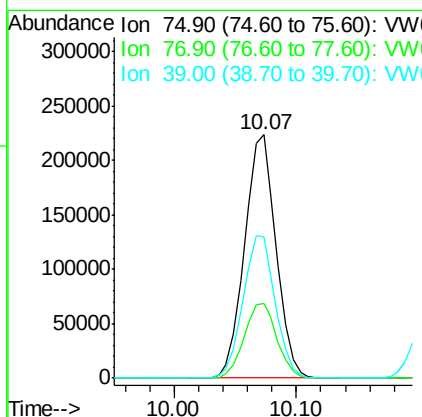
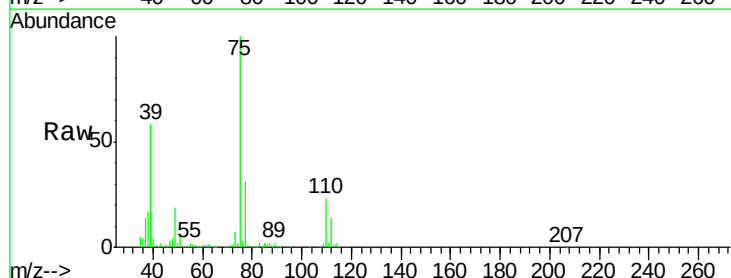
Manual Integrations  
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MMDadoda  
 4/19/2019 12:52:44 PM

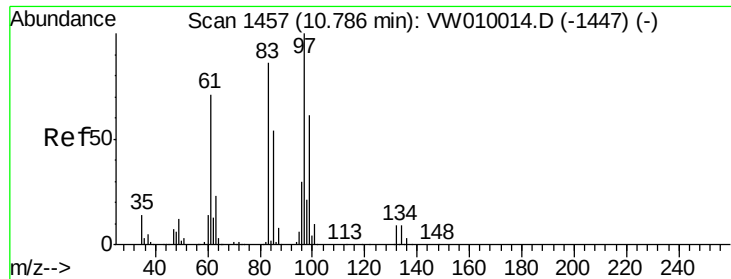


#54  
 cis-1,3-Dichloropropene  
 Concen: 55.132 ug/l  
 RT: 10.07 min Scan# 1340  
 Delta R.T. -0.00 min  
 Lab File: VW010038.D  
 Acq: 18 Apr 2019 11:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 30.8  | 25.6  | 38.4  |
| 39      | 57.8  | 47.8  | 71.6  |







#55

1,1,2-Trichloroethane

Concen: 50.565 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

MSVOA\_W

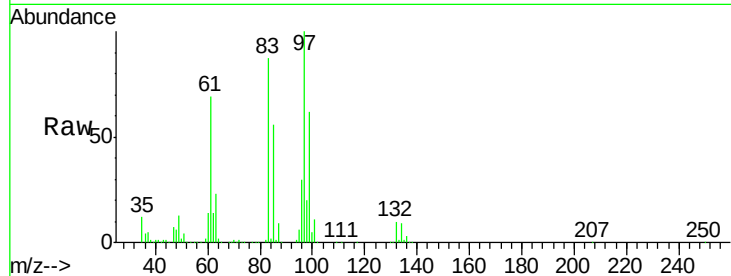
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 174647 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 87.3  | 68.9  | 103.3  |
| 85       | 56.5  | 42.9  | 64.3   |
| 99       | 62.4  | 48.6  | 72.8   |

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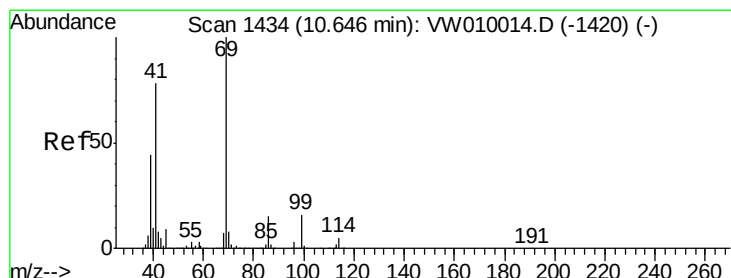
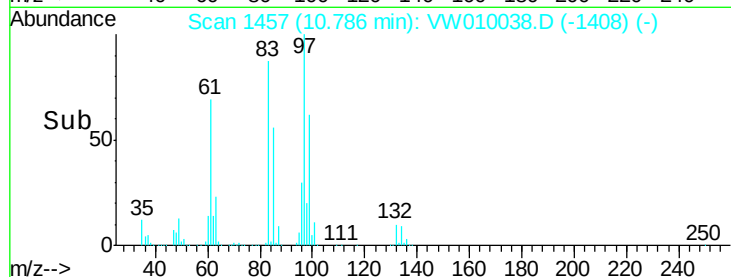
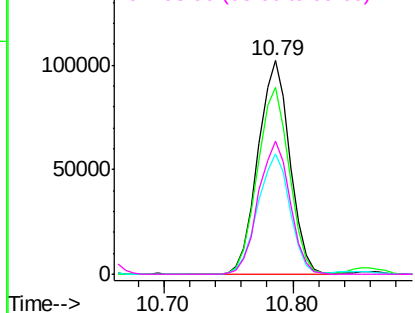
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 49.299 ug/l

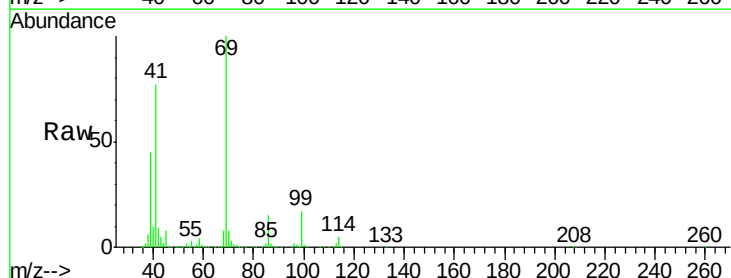
RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 236261 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 78.2  | 61.0  | 91.6   |
| 39       | 40.9  | 33.8  | 50.6   |

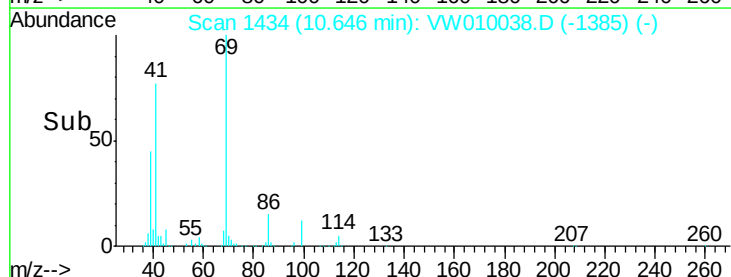
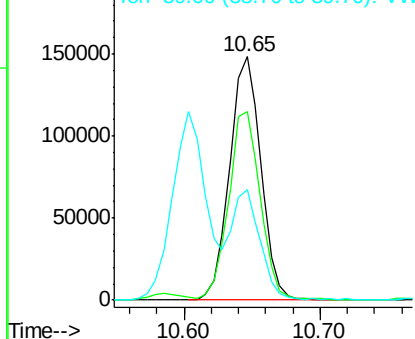


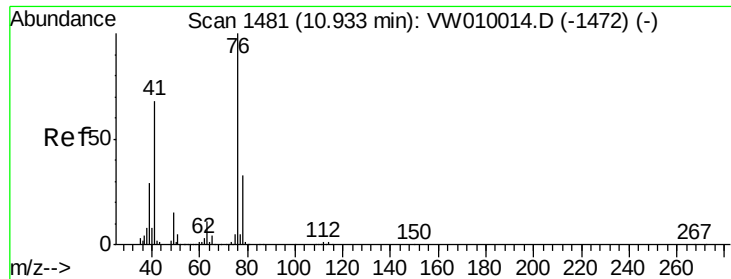
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





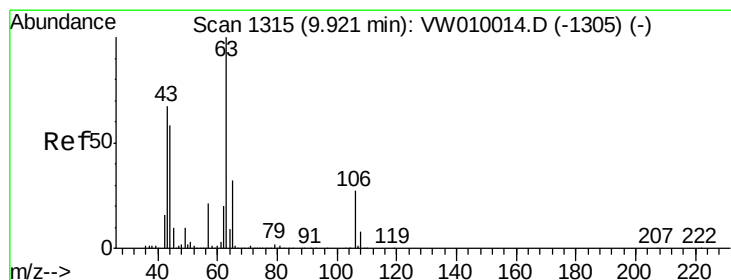
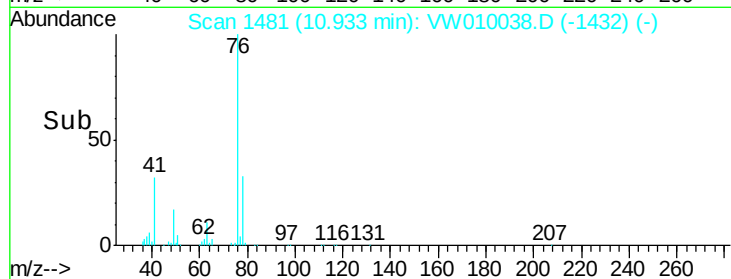
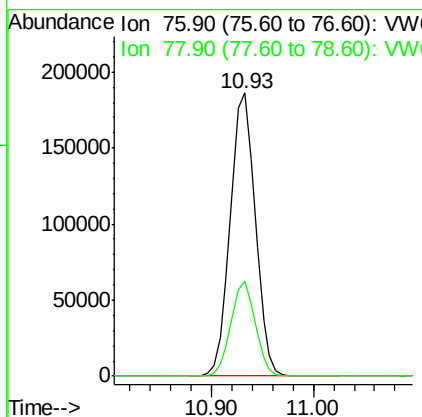
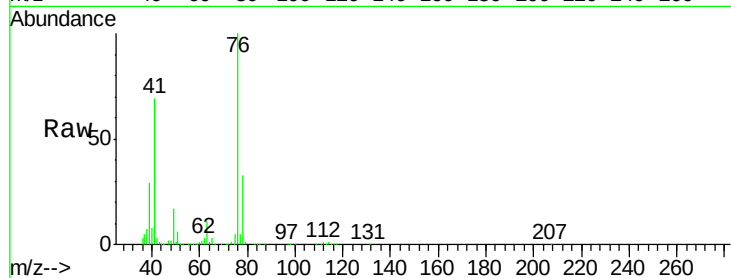
#57  
 1,3-Dichloropropane  
 Concen: 50.985 ug/l  
 RT: 10.93 min Scan# 1481  
 Delta R.T. -0.00 min  
 Lab File: VW010038.D  
 Acq: 18 Apr 2019 11:39

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 76 Resp: 315628  
 Ion Ratio Lower Upper  
 76 100  
 78 32.7 25.8 38.8

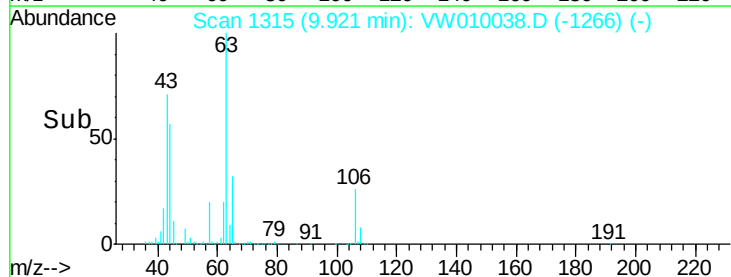
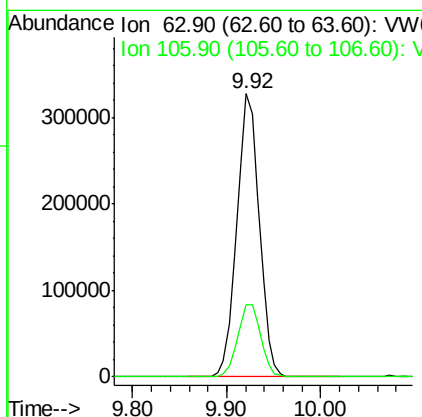
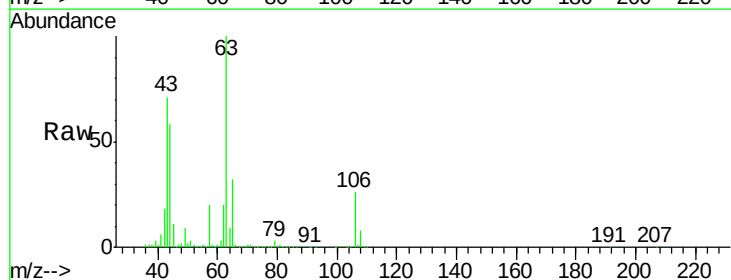
Manual Integrations  
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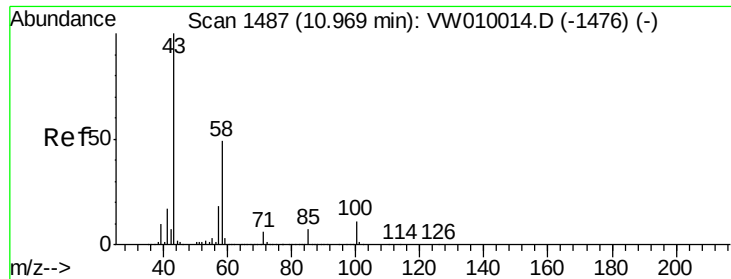
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#58  
 2-Chloroethyl Vinyl ether  
 Concen: 262.508 ug/l  
 RT: 9.92 min Scan# 1315  
 Delta R.T. -0.00 min  
 Lab File: VW010038.D  
 Acq: 18 Apr 2019 11:39

Tgt Ion: 63 Resp: 541777  
 Ion Ratio Lower Upper  
 63 100  
 106 26.5 21.4 32.0





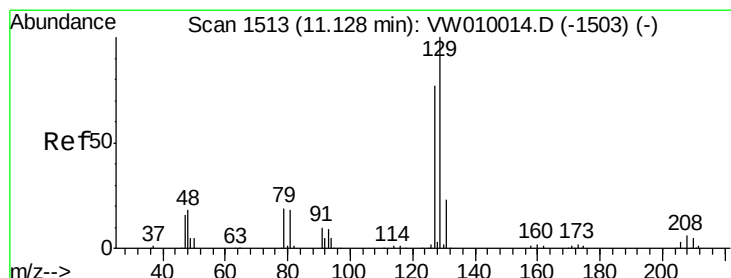
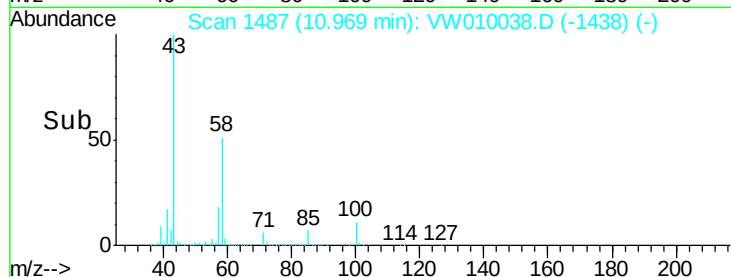
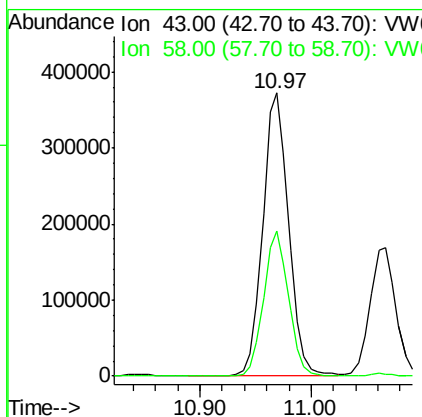
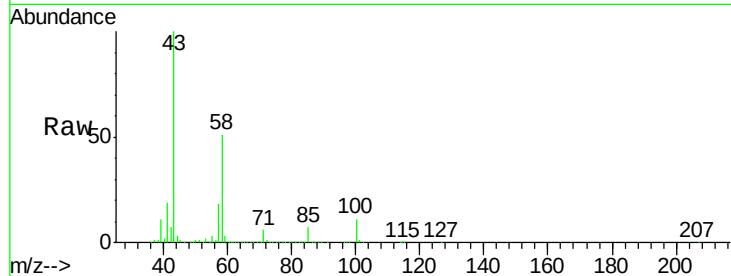
#59  
2-Hexanone  
Concen: 261.028 ug/l  
RT: 10.97 min Scan# 1487  
Delta R.T. -0.00 min  
Lab File: VW010038.D  
Acq: 18 Apr 2019 11:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

Tot Ion: 43 Resp: 602010  
Ion Ratio Lower Upper  
43 100  
58 49.5 24.9 74.7

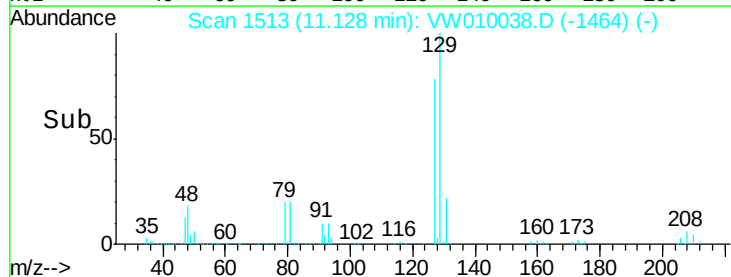
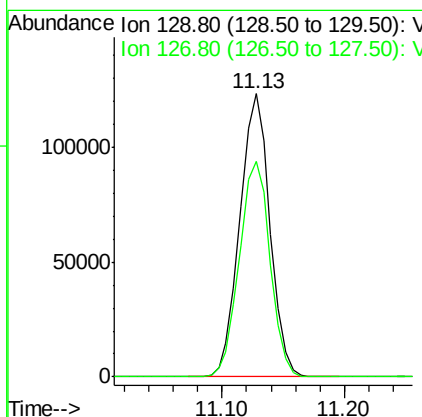
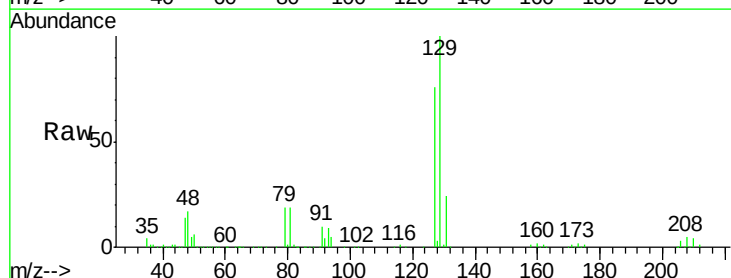
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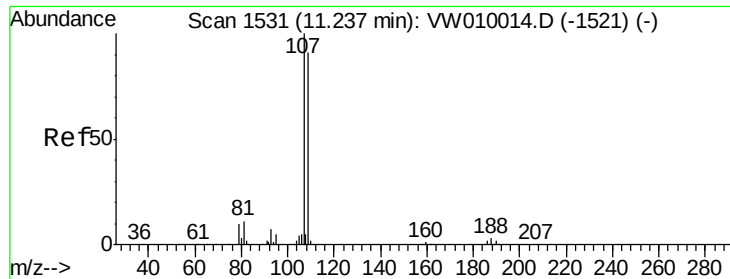
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#60  
Dibromochloromethane  
Concen: 52.692 ug/l  
RT: 11.13 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: VW010038.D  
Acq: 18 Apr 2019 11:39

Tgt Ion: 129 Resp: 210346  
Ion Ratio Lower Upper  
129 100  
127 77.7 38.6 116.0





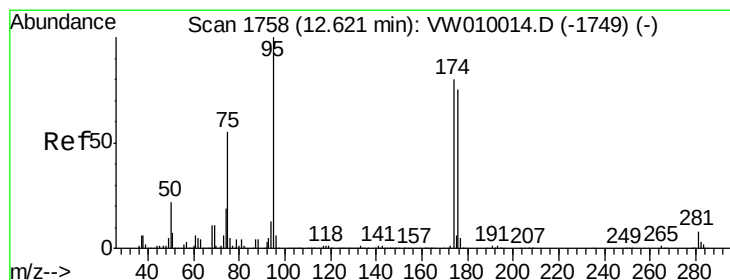
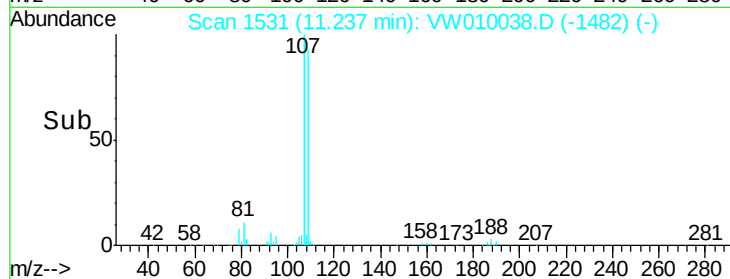
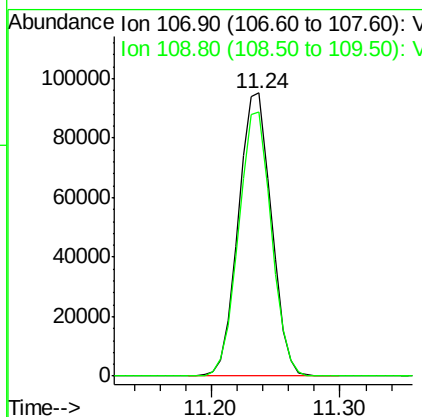
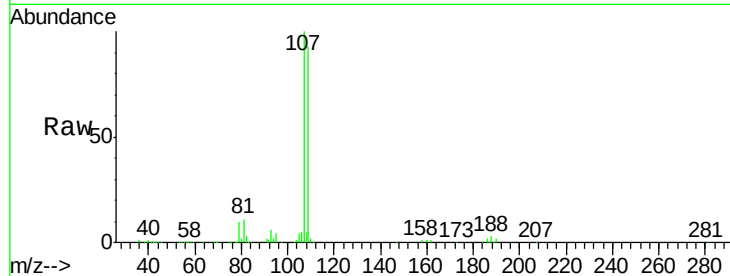
#61  
 1,2-Dibromoethane  
 Concen: 51.298 ug/l  
 RT: 11.24 min Scan# 1531  
 Delta R.T. -0.00 min  
 Lab File: VW010038.D  
 Acq: 18 Apr 2019 11:39

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 92.9  | 73.6  | 110.4 |

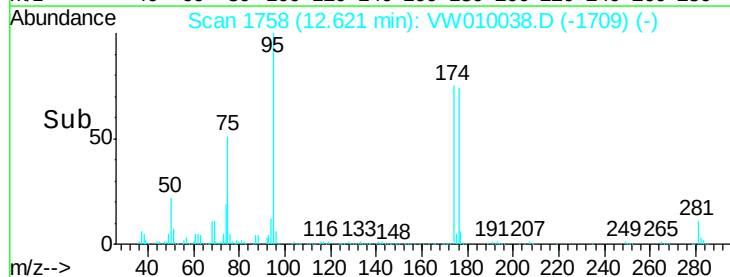
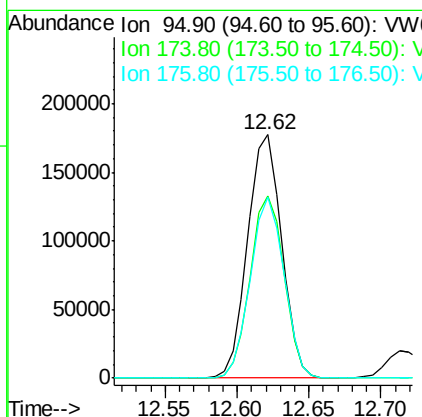
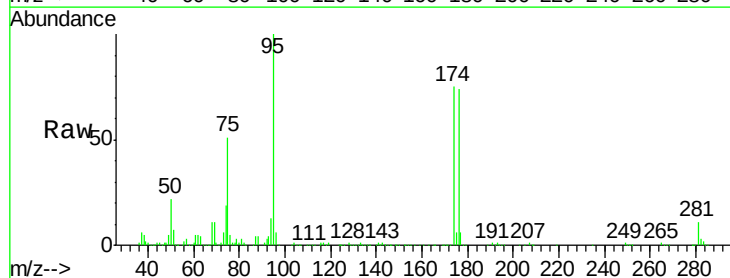
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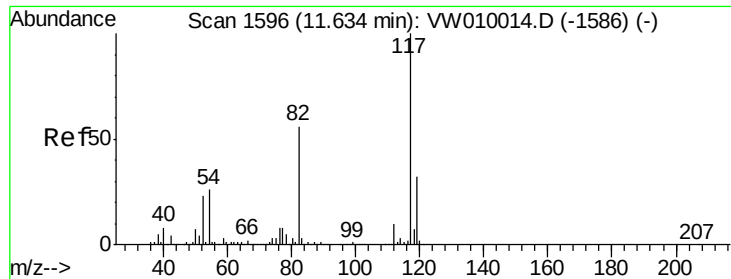
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#62  
 4-Bromofluorobenzene  
 Concen: 51.425 ug/l  
 RT: 12.62 min Scan# 1758  
 Delta R.T. -0.00 min  
 Lab File: VW010038.D  
 Acq: 18 Apr 2019 11:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 74.9  | 0.0   | 151.4 |
| 176     | 73.9  | 0.0   | 146.2 |





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

MSVOA\_W

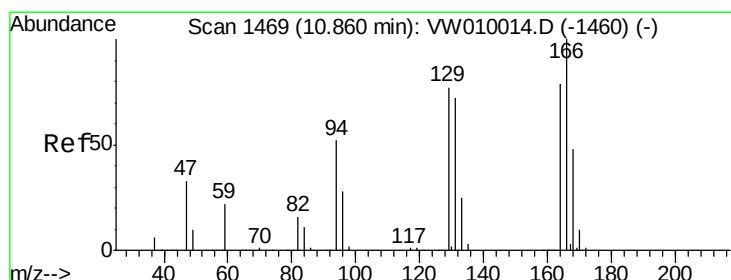
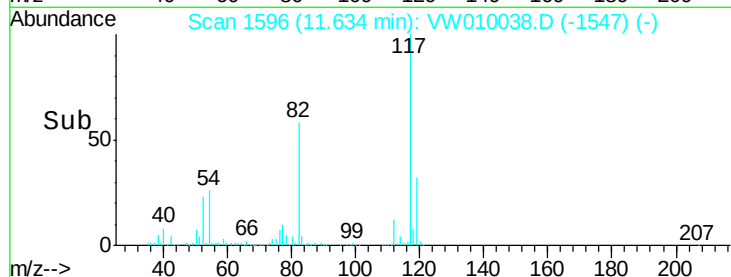
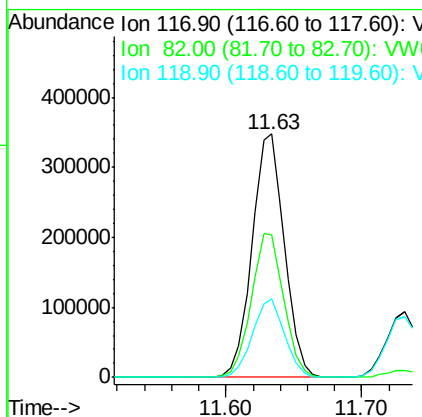
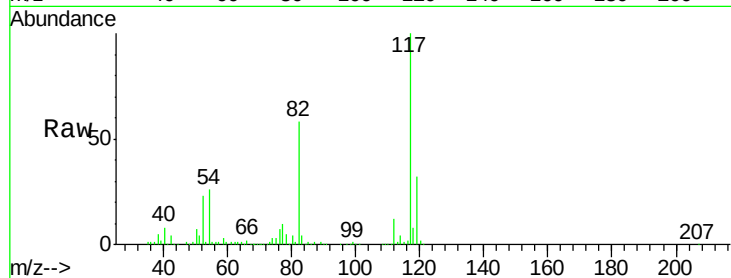
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 117   | Resp: | 579744 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 58.4  | 45.2  | 67.8   |
| 119       | 32.5  | 25.4  | 38.2   |

Manual Integrations  
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#64

Tetrachloroethene

Concen: 56.788 ug/l

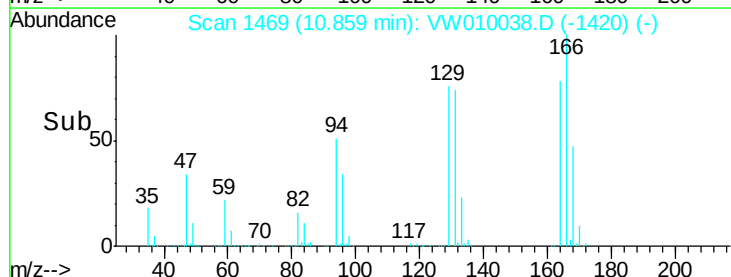
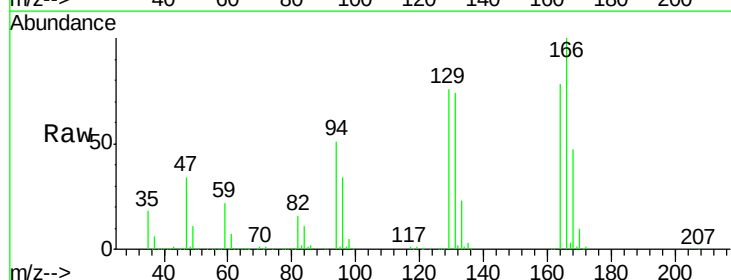
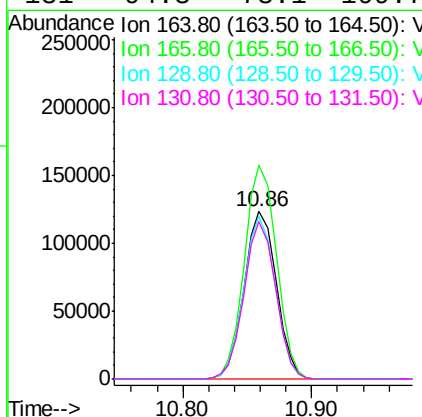
RT: 10.86 min Scan# 1469

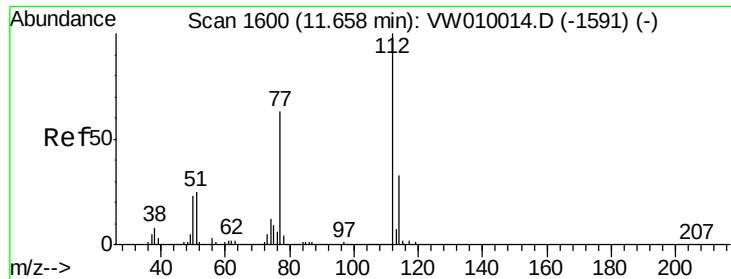
Delta R.T. -0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 164   | Resp: | 213720 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 166       | 127.5 | 101.2 | 151.8  |
| 129       | 97.3  | 77.8  | 116.6  |
| 131       | 94.3  | 73.1  | 109.7  |





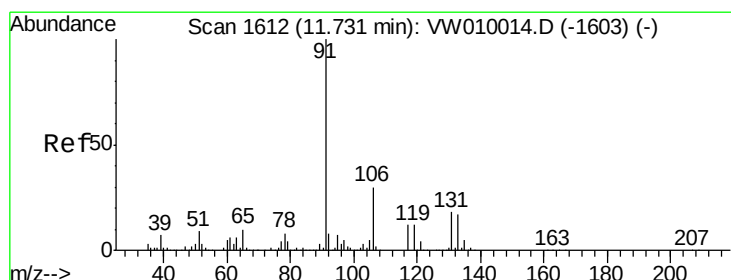
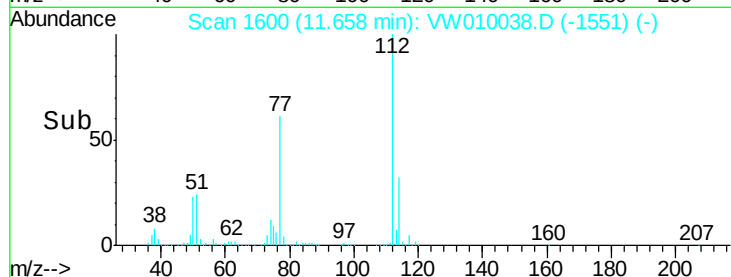
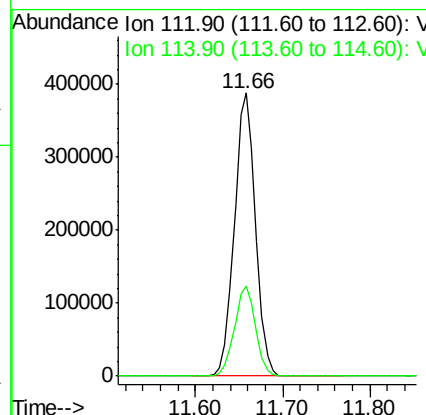
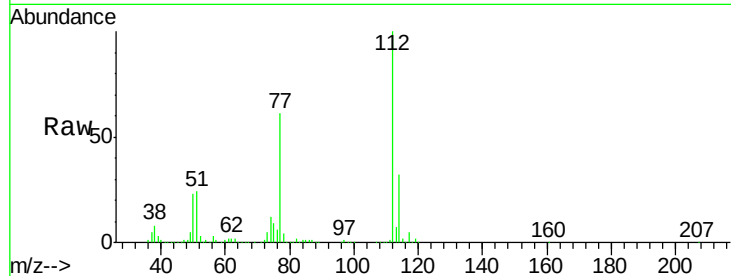
#65  
Chlorobenzene  
Concen: 54.657 ug/l  
RT: 11.66 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: VW010038.D  
Acq: 18 Apr 2019 11:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 112     | 100   | 648550 |       |       |
| 114     | 31.9  | 26.5   | 39.7  |       |

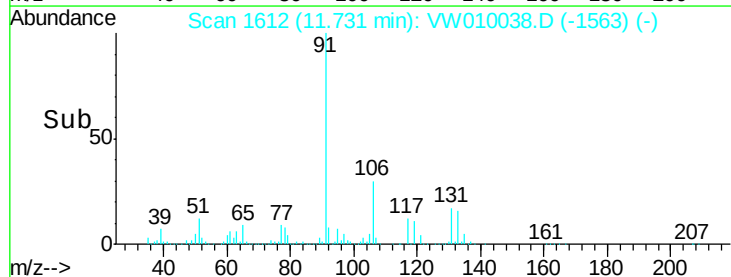
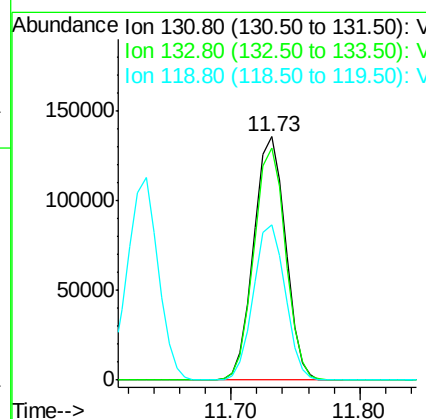
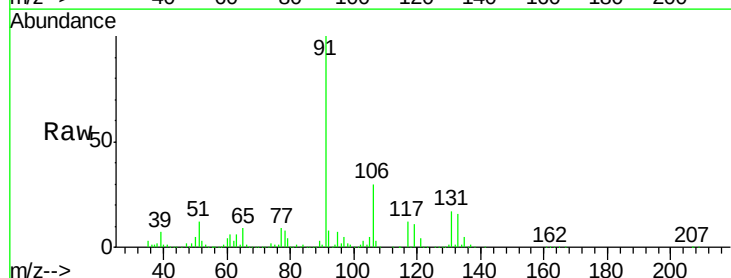
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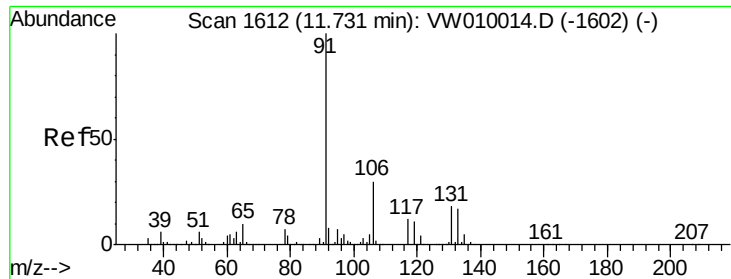
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 54.435 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.00 min  
Lab File: VW010038.D  
Acq: 18 Apr 2019 11:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 131     | 100   | 230985 |       |       |
| 133     | 94.7  | 46.5   | 139.5 |       |
| 119     | 63.9  | 31.9   | 95.5  |       |





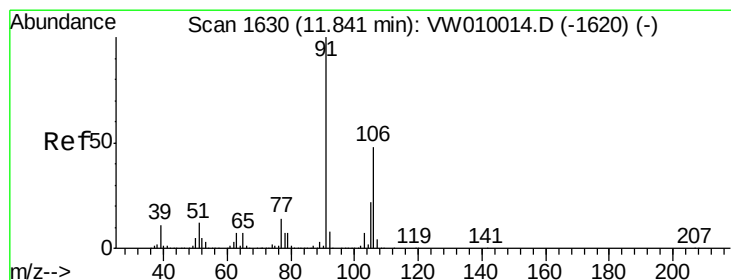
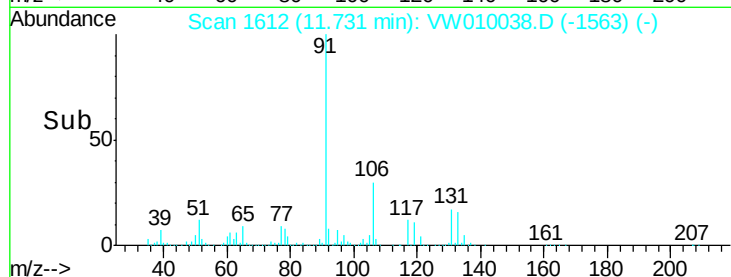
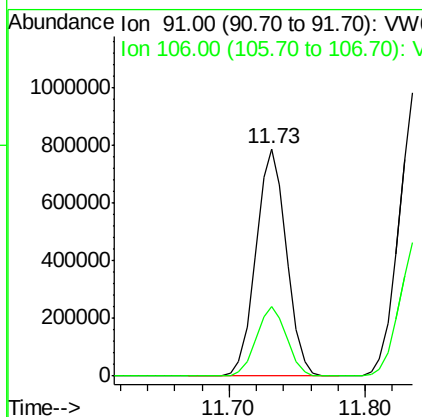
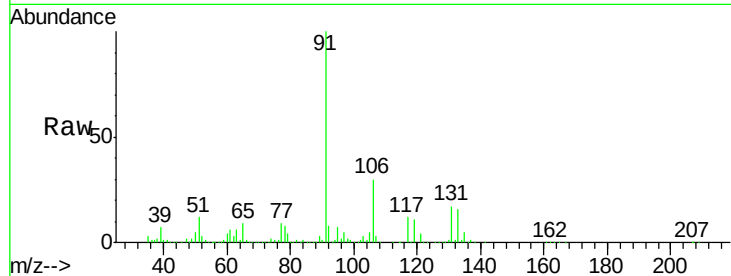
#67  
Ethyl Benzene  
Concen: 58.659 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.00 min  
Lab File: VW010038.D  
Acq: 18 Apr 2019 11:39

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDCCC050

Tot Ion: 91 Resp: 1241837  
Ion Ratio Lower Upper  
91 100  
106 30.5 23.8 35.8

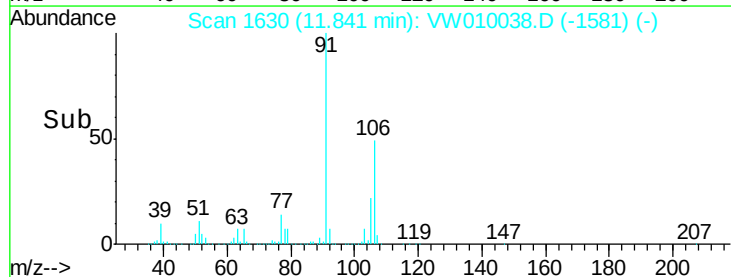
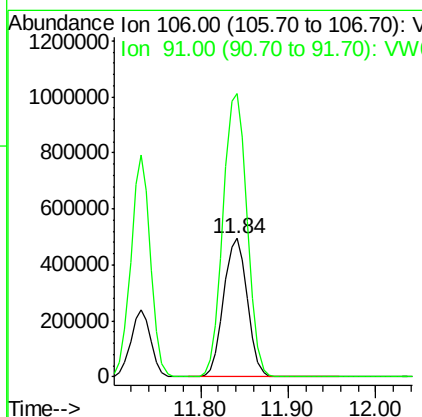
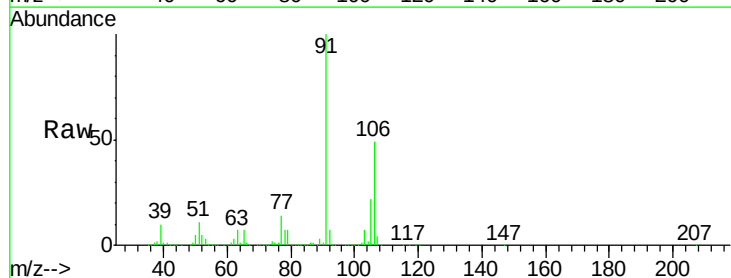
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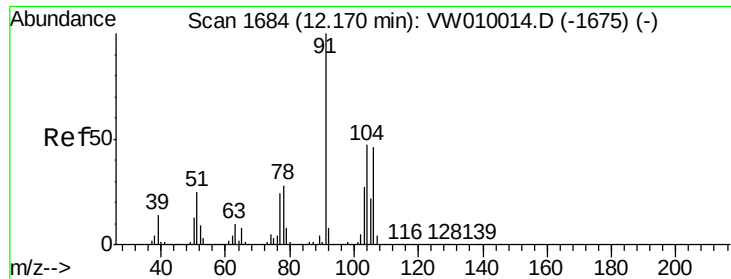
MMDadoda  
4/19/2019 12:52:44 PM



#68  
m/p-Xylenes  
Concen: 116.936 ug/l  
RT: 11.84 min Scan# 1630  
Delta R.T. -0.00 min  
Lab File: VW010038.D  
Acq: 18 Apr 2019 11:39

Tgt Ion: 106 Resp: 925388  
Ion Ratio Lower Upper  
106 100  
91 208.0 165.0 247.6





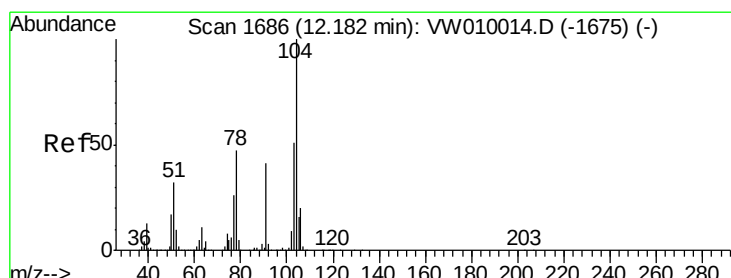
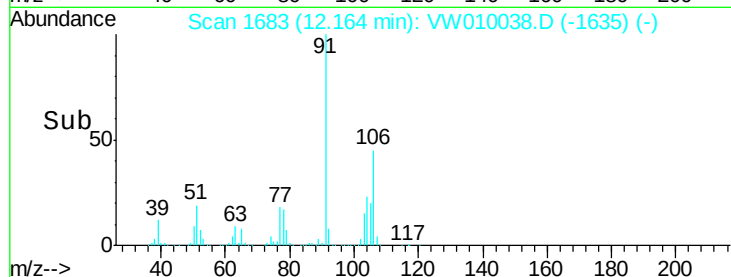
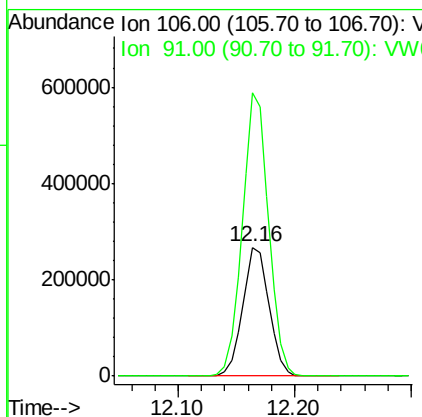
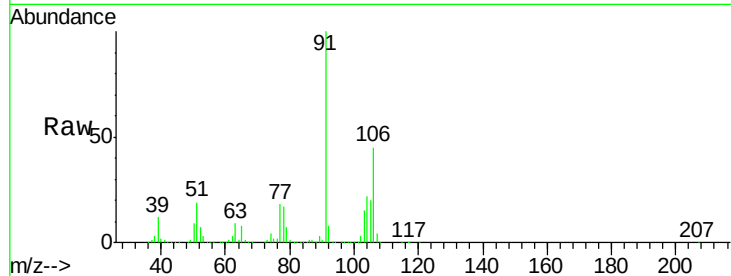
#69  
o-Xylene  
Concen: 58.605 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. -0.01 min  
Lab File: VW010038.D  
Acq: 18 Apr 2019 11:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

Tot Ion:106 Resp: 422286  
Ion Ratio Lower Upper  
106 100  
91 218.7 110.5 331.4

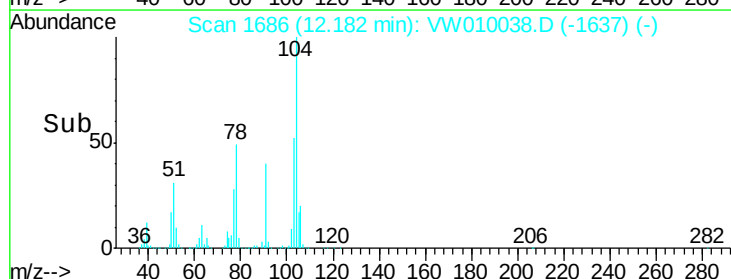
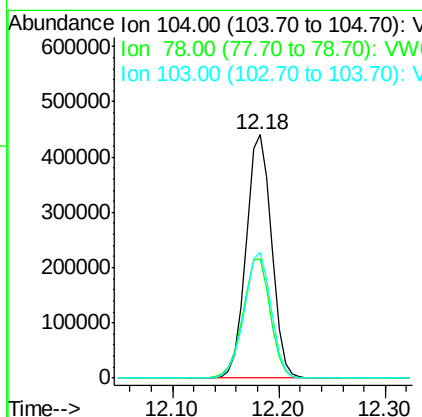
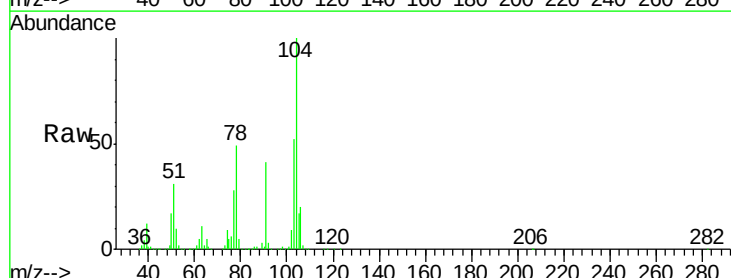
Manual Integrations  
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4/19/2019 12:52:44 PM

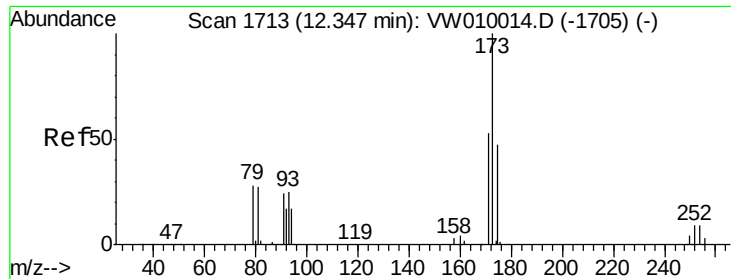


#70  
Styrene  
Concen: 59.375 ug/l  
RT: 12.18 min Scan# 1686  
Delta R.T. -0.00 min  
Lab File: VW010038.D  
Acq: 18 Apr 2019 11:39

Tgt Ion:104 Resp: 737666  
Ion Ratio Lower Upper  
104 100  
78 53.2 42.5 63.7  
103 54.7 43.6 65.4







#71

Bromoform

Concen: 51.162 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 114797

Ion Ratio Lower Upper

173 100

175 50.5 23.8 71.4

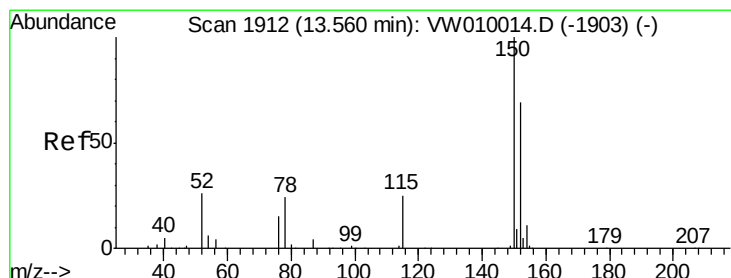
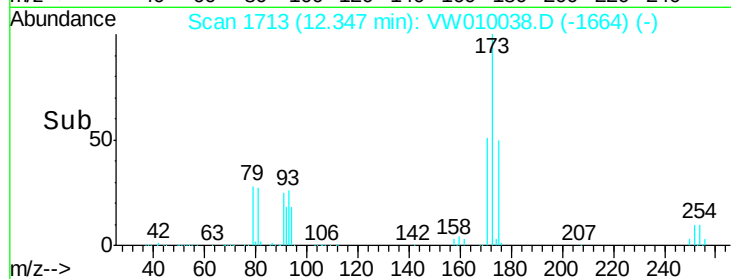
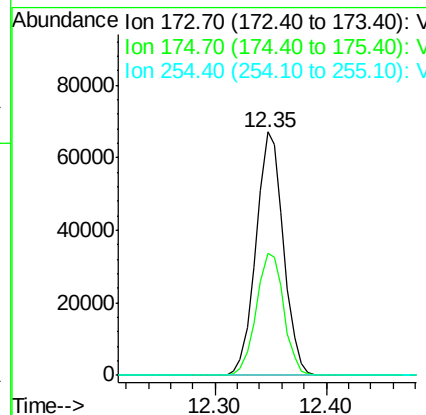
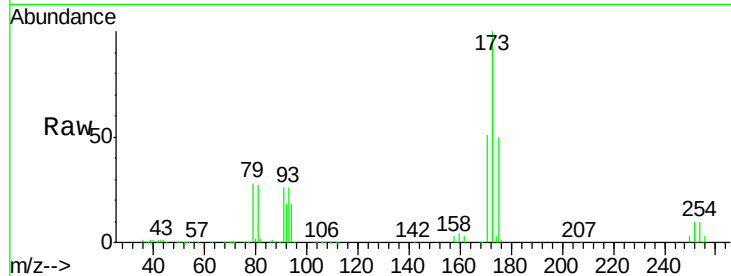
254 0.1 0.1 0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

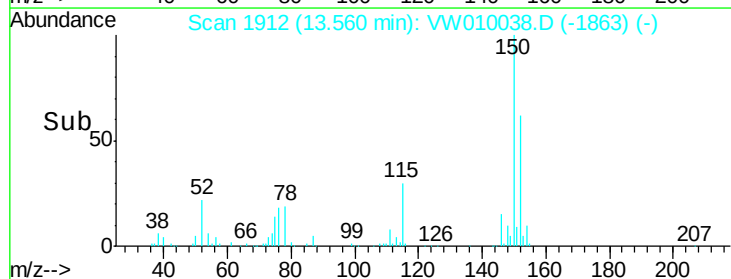
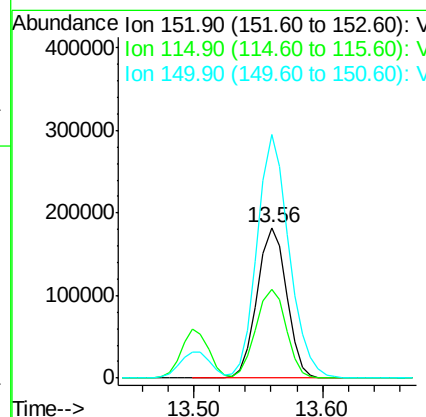
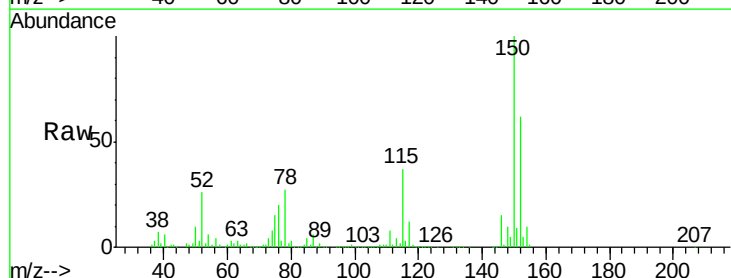
Tgt Ion:152 Resp: 288435

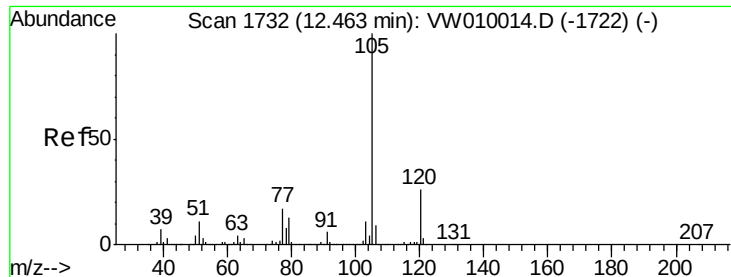
Ion Ratio Lower Upper

152 100

115 60.8 30.4 91.2

150 175.3 0.0 347.0





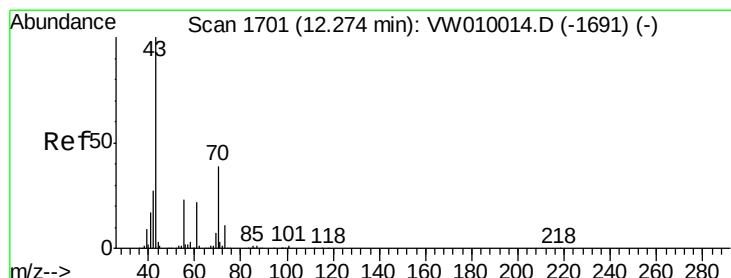
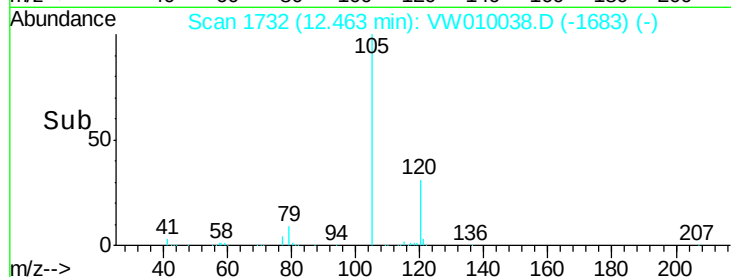
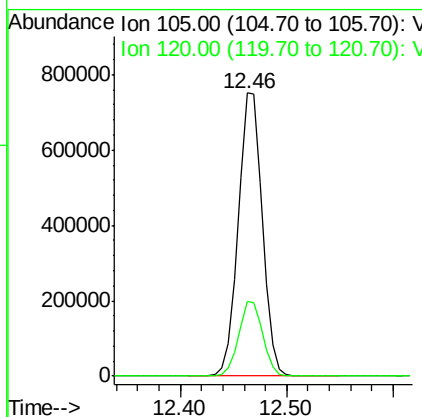
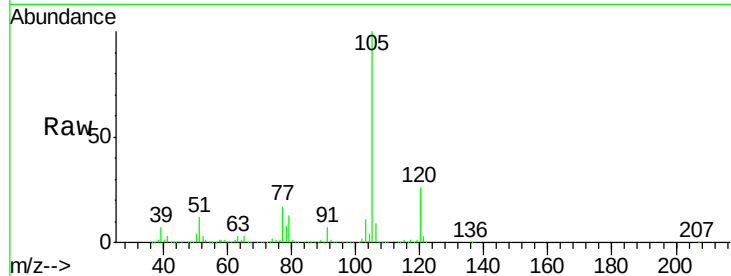
#73  
Isopropylbenzene  
Concen: 59.420 ug/l  
RT: 12.46 min Scan# 1732  
Delta R.T. -0.00 min  
Lab File: VW010038.D  
Acq: 18 Apr 2019 11:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

Tot Ion:105 Resp: 1192828  
Ion Ratio Lower Upper  
105 100  
120 26.3 13.1 39.1

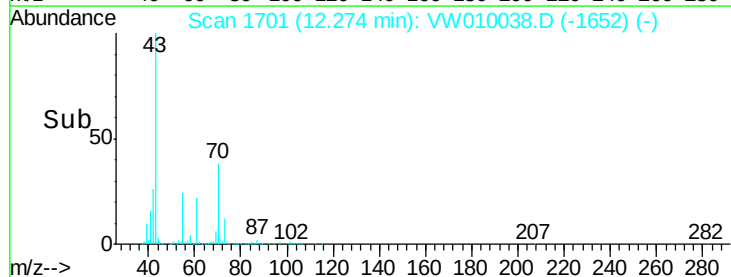
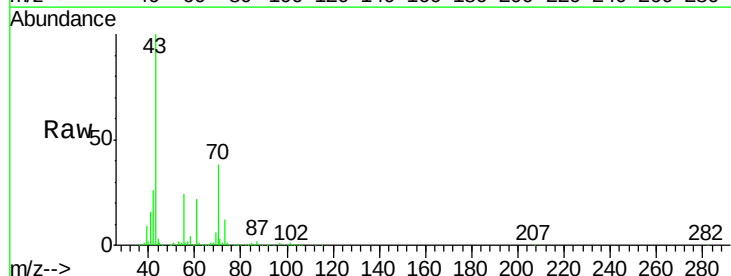
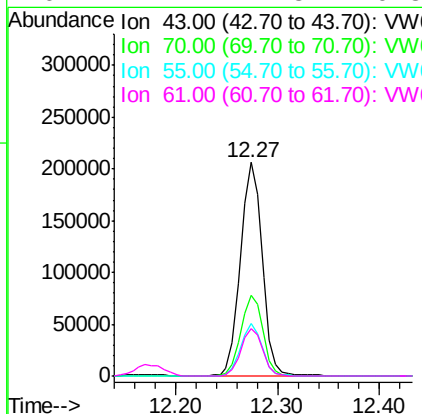
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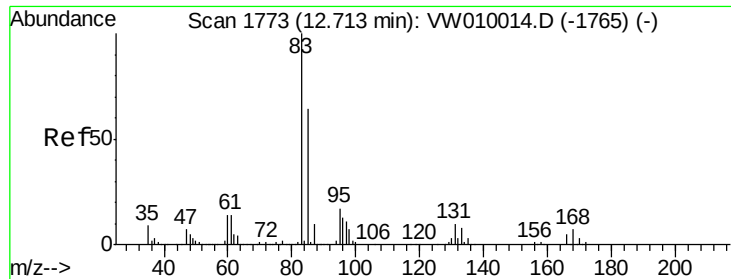
MMDadoda  
4/19/2019 12:52:44 PM



#74  
N-ethyl acetate  
Concen: 54.511 ug/l  
RT: 12.27 min Scan# 1701  
Delta R.T. -0.00 min  
Lab File: VW010038.D  
Acq: 18 Apr 2019 11:39

Tgt Ion: 43 Resp: 303039  
Ion Ratio Lower Upper  
43 100  
70 38.4 31.3 46.9  
55 24.3 20.0 30.0  
61 22.2 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 51.397 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

MSVOA\_W

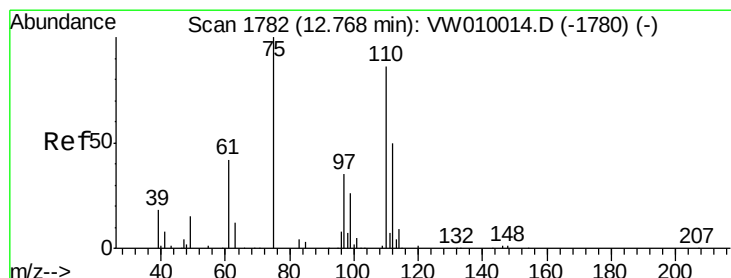
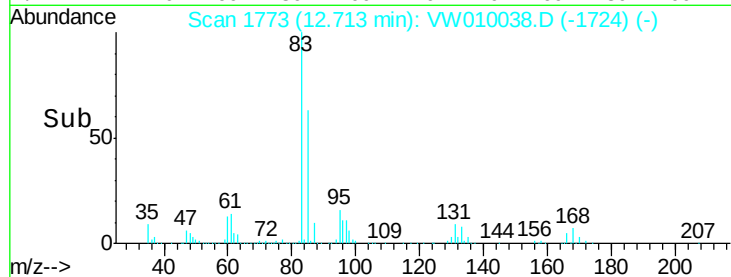
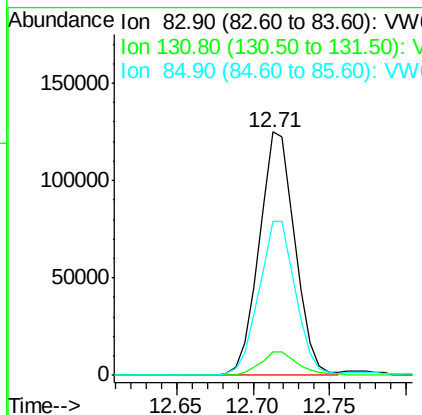
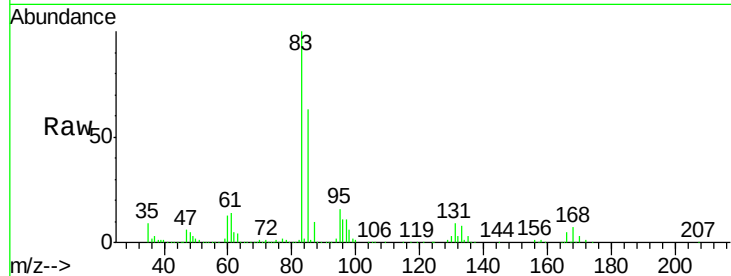
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 203843 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.2  | 5.3   | 15.8   |
| 85        | 65.0  | 32.0  | 96.2   |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 51.447 ug/l m

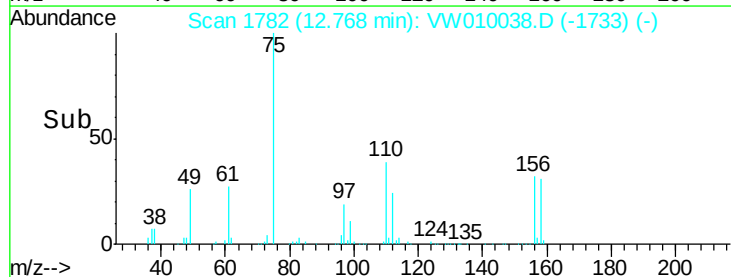
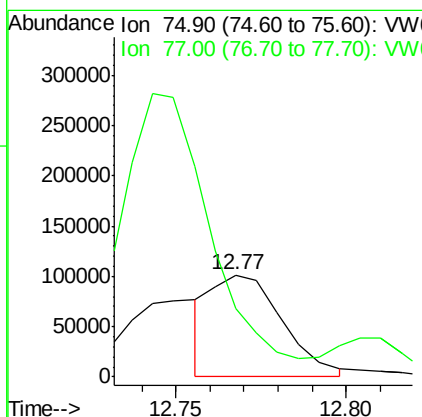
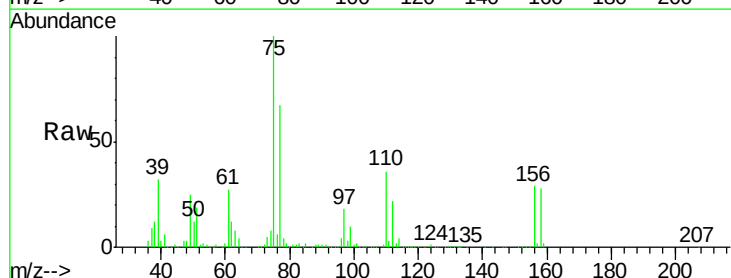
RT: 12.77 min Scan# 1782

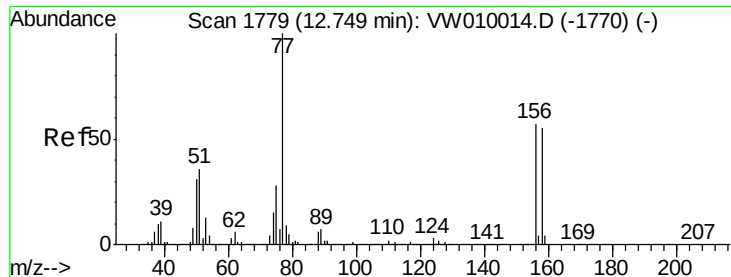
Delta R.T. -0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 148518 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 56.456 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

MSVOA\_W

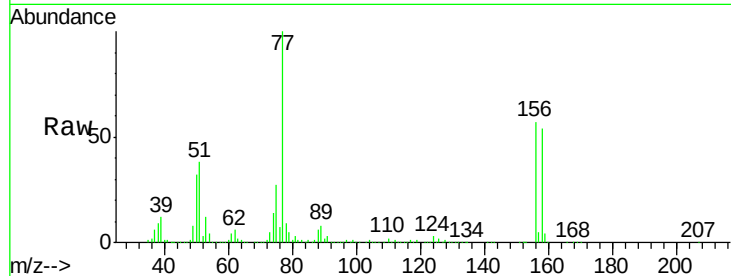
ClientSampleId :

VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 200.4 | 102.5 | 307.4 |
| 158     | 95.4  | 48.8  | 146.4 |

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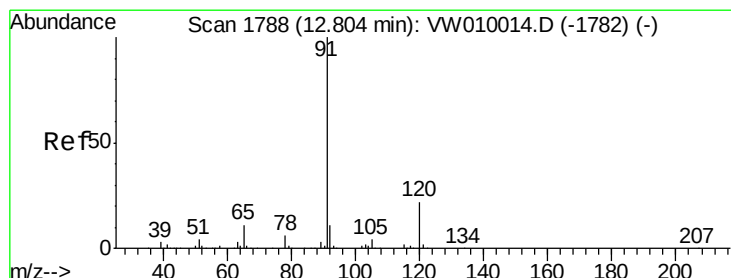
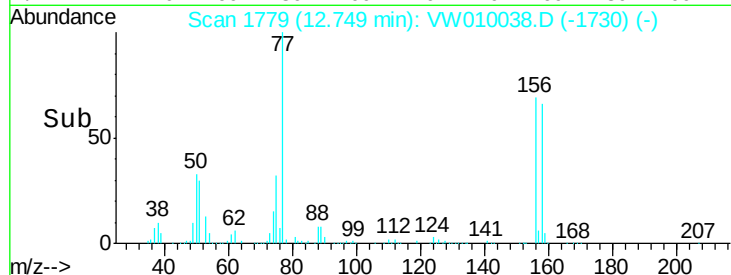
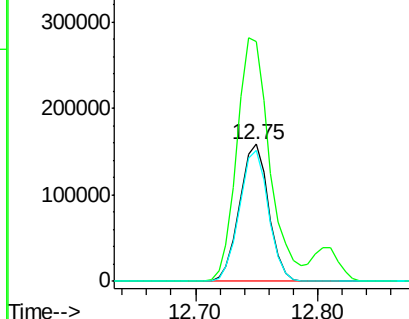
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 59.374 ug/l

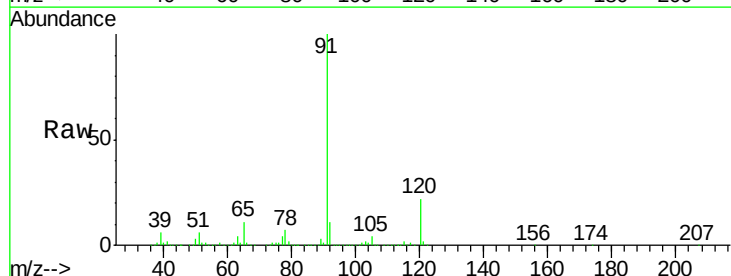
RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010038.D

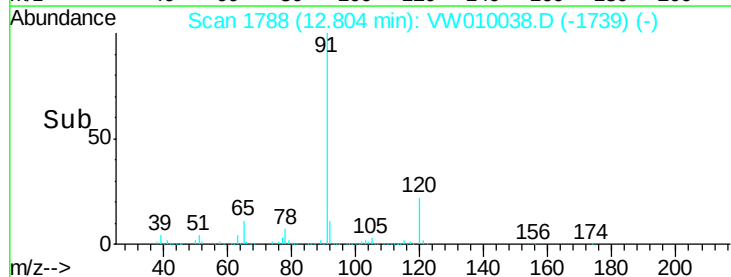
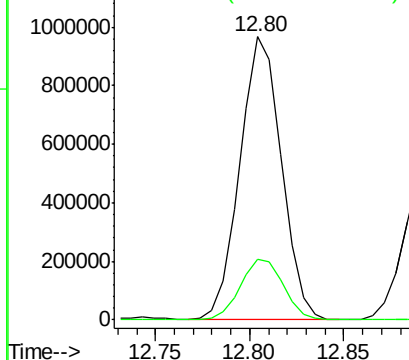
Acq: 18 Apr 2019 11:39

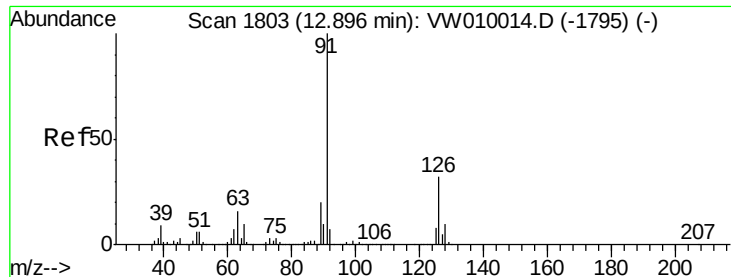
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 22.2  | 11.1  | 33.1  |



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 57.462 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

MSVOA\_W

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 822228

Ion Ratio Lower Upper

91 100

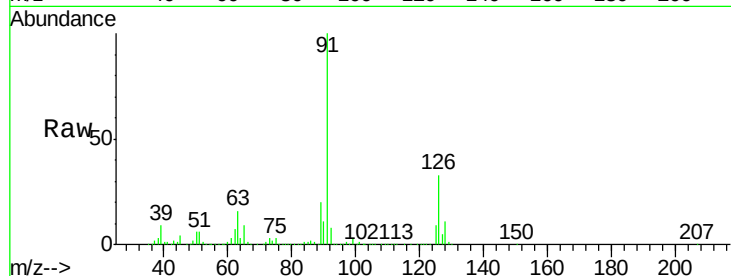
126 32.3 16.3 48.8

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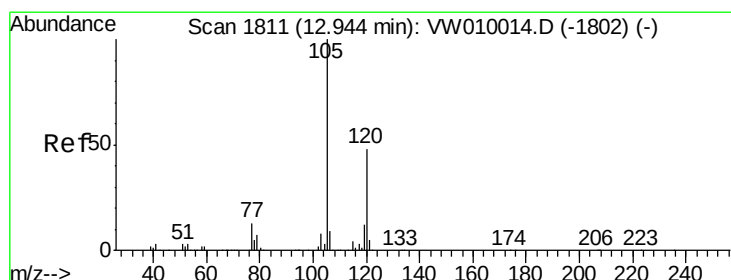
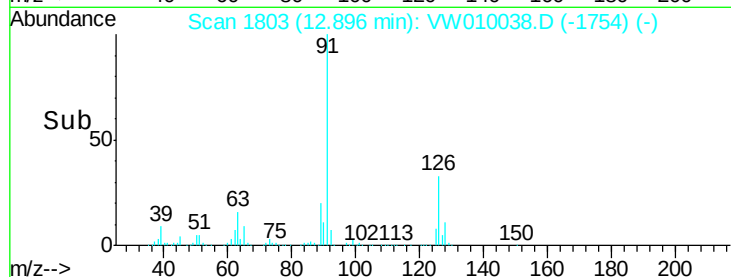
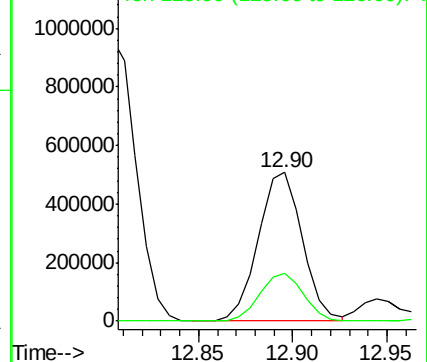
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 59.564 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010038.D

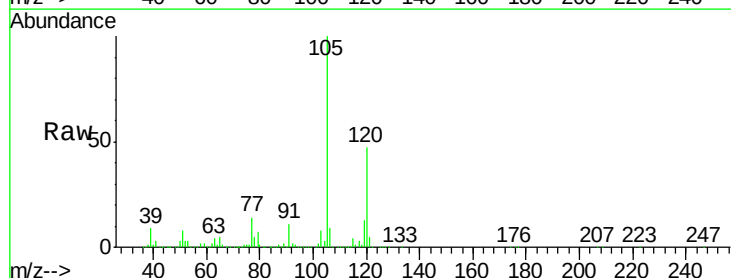
Acq: 18 Apr 2019 11:39

Tgt Ion:105 Resp: 1013822

Ion Ratio Lower Upper

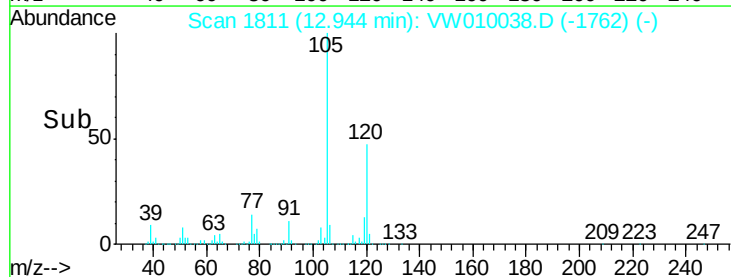
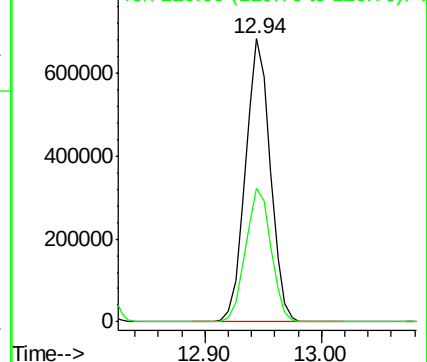
105 100

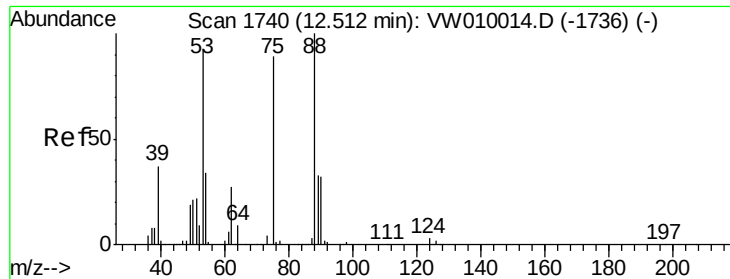
120 48.5 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





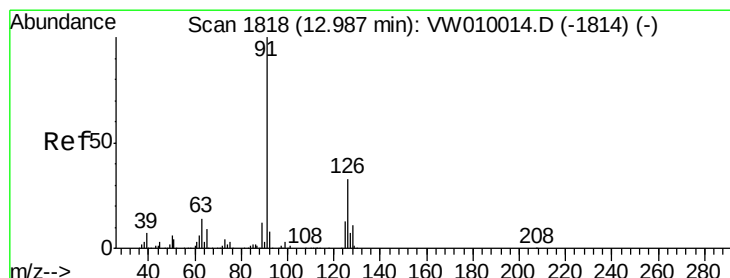
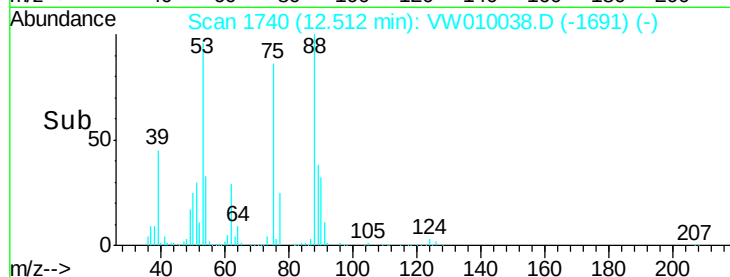
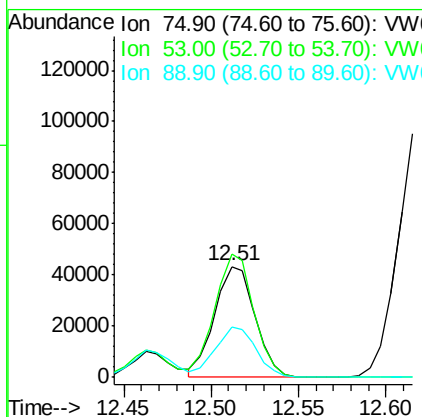
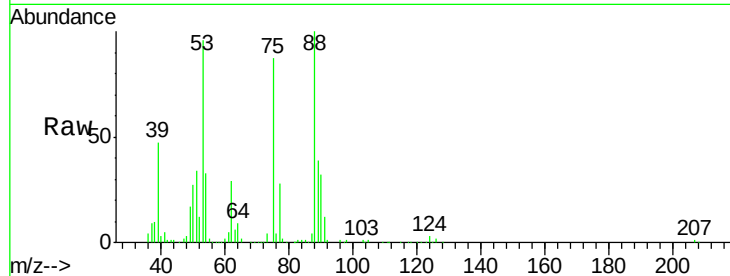
#81  
trans-1,4-Dichloro-2-butene  
Concen: 56.835 ug/l  
RT: 12.51 min Scan# 1740  
Delta R.T. -0.00 min  
Lab File: VW010038.D  
Acq: 18 Apr 2019 11:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 109.6 | 89.8  | 134.8 |
| 89      | 45.6  | 36.6  | 54.8  |

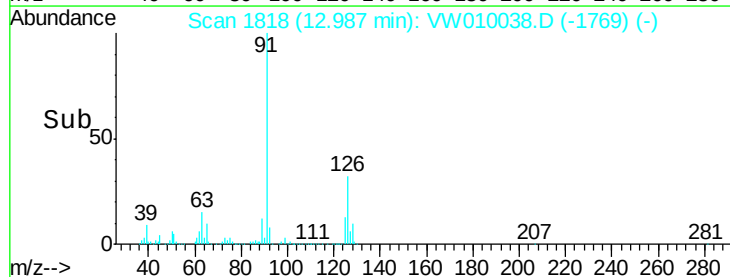
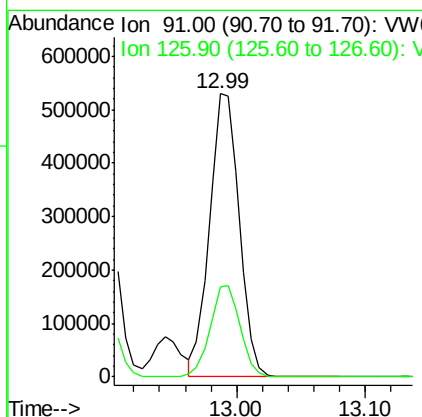
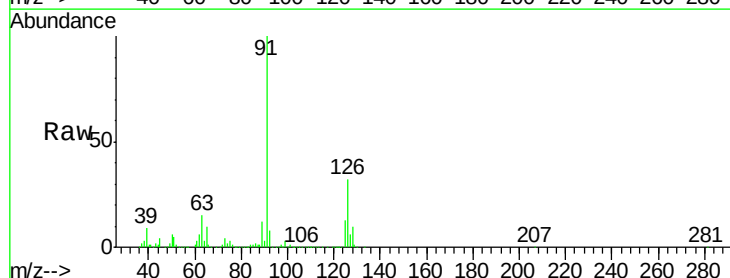
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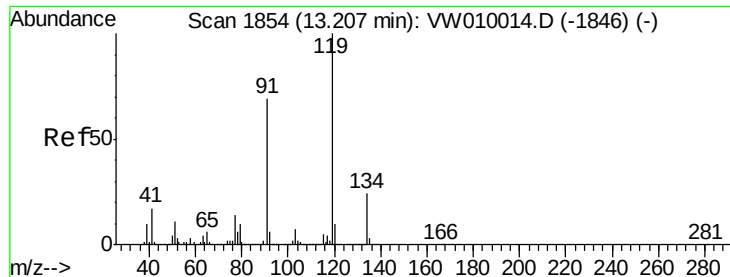
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#82  
4-Chlorotoluene  
Concen: 56.828 ug/l  
RT: 12.99 min Scan# 1818  
Delta R.T. -0.00 min  
Lab File: VW010038.D  
Acq: 18 Apr 2019 11:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 32.6  | 16.4  | 49.1  |





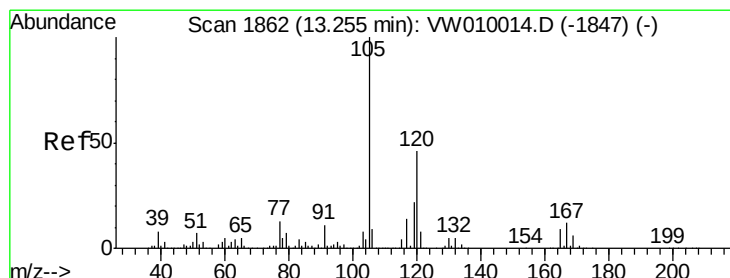
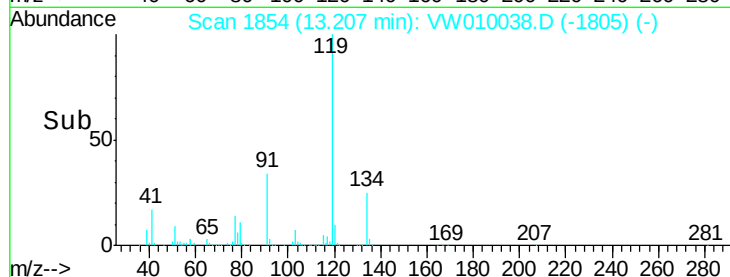
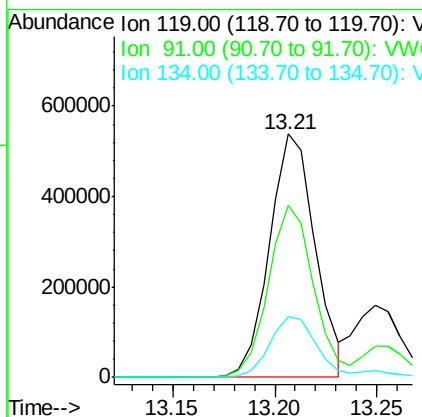
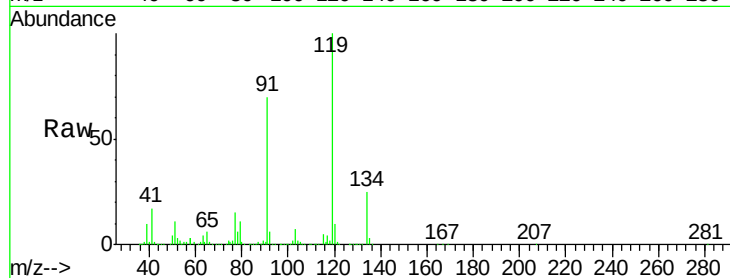
#83  
 tert-Butylbenzene  
 Concen: 59.546 ug/l  
 RT: 13.21 min Scan# 1854  
 Delta R.T. -0.00 min  
 Lab File: VW010038.D  
 Acq: 18 Apr 2019 11:39

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 70.4  | 34.8  | 104.4 |
| 134     | 25.5  | 13.7  | 41.1  |

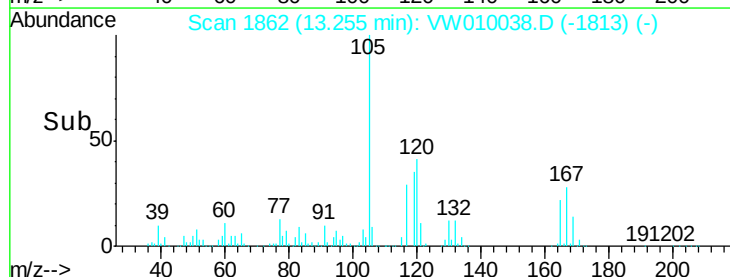
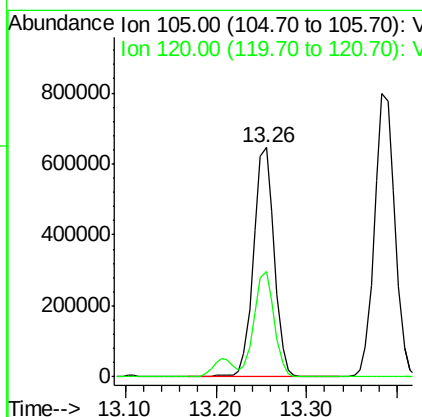
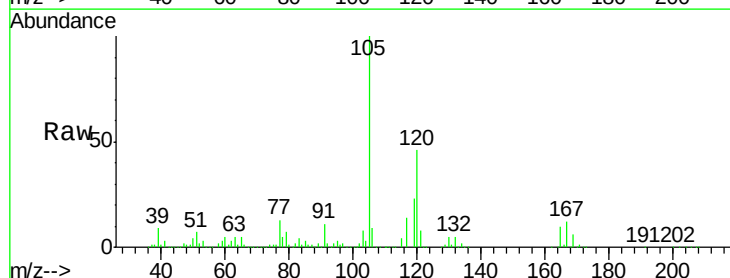
Manual Integrations  
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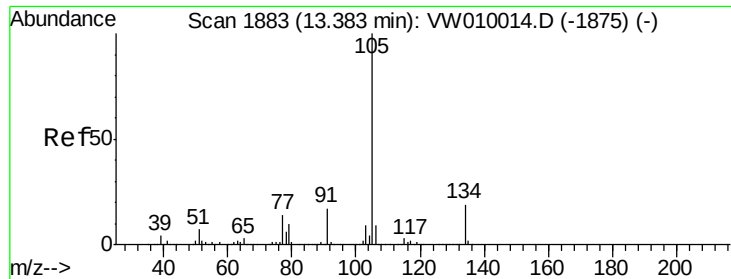
MMDadoda  
 4/19/2019 12:52:44 PM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 58.815 ug/l  
 RT: 13.26 min Scan# 1862  
 Delta R.T. -0.00 min  
 Lab File: VW010038.D  
 Acq: 18 Apr 2019 11:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.9  | 22.6  | 67.7  |





#85

sec-Butylbenzene

Concen: 58.592 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1234155

Ion Ratio Lower Upper

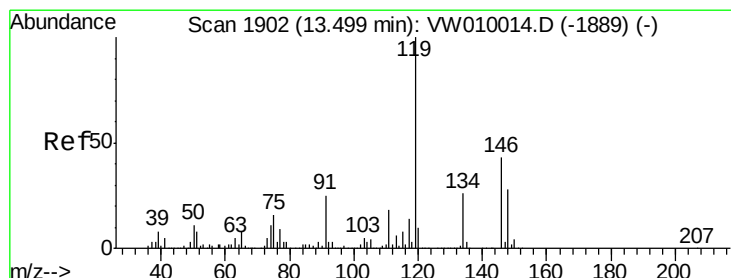
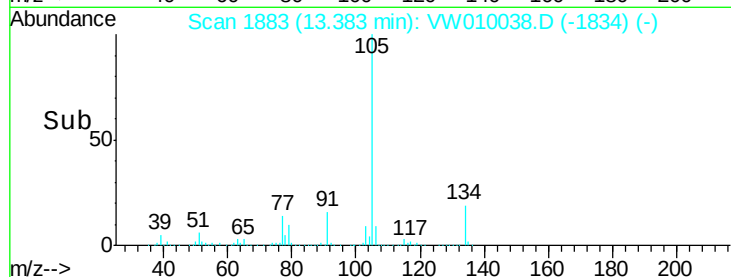
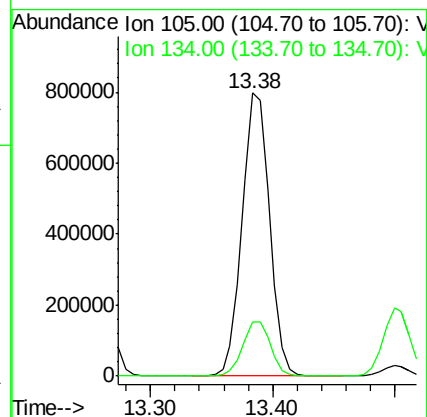
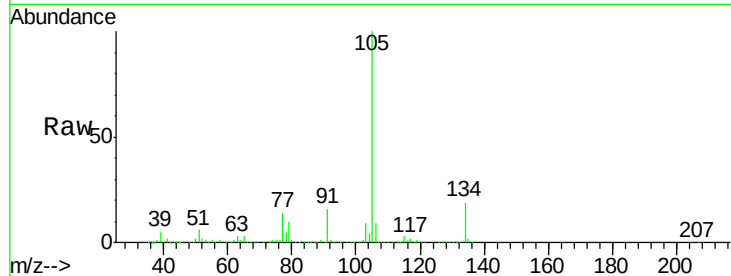
105 100

134 19.6 9.8 29.5

Manual Integrations  
APPROVED

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#86

p-Isopropyltoluene

Concen: 60.240 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

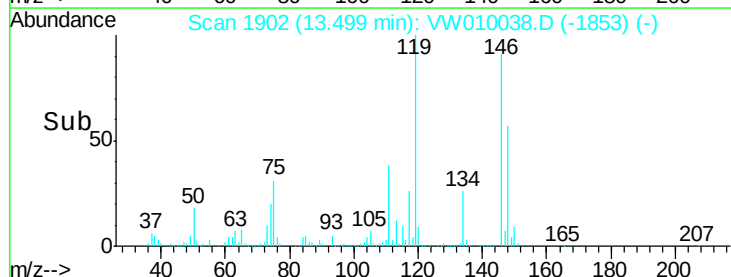
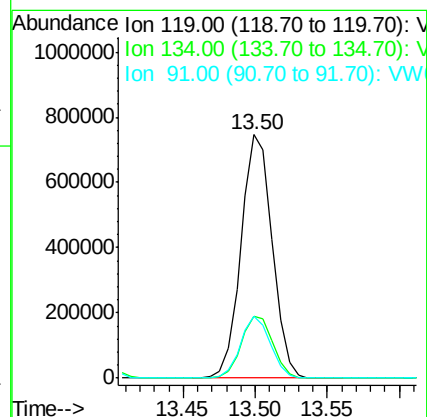
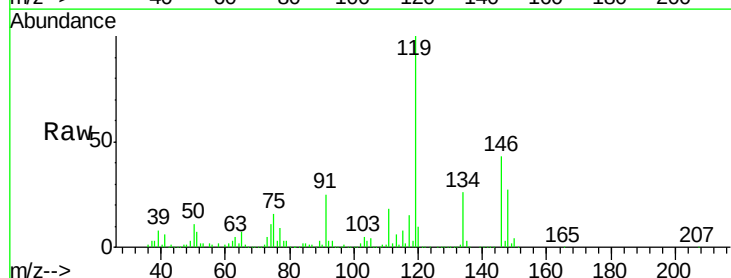
Tgt Ion:119 Resp: 1118398

Ion Ratio Lower Upper

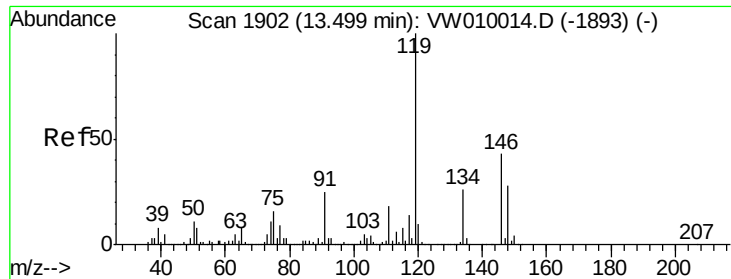
119 100

134 25.9 13.0 38.9

91 24.4 12.3 36.9







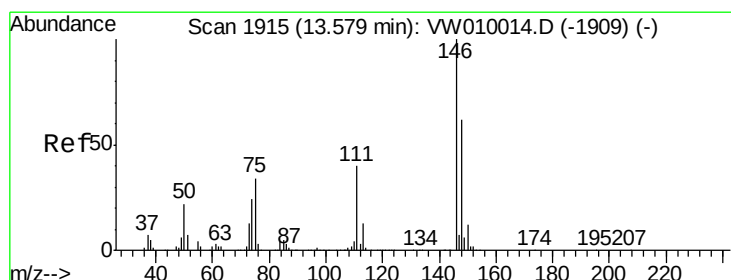
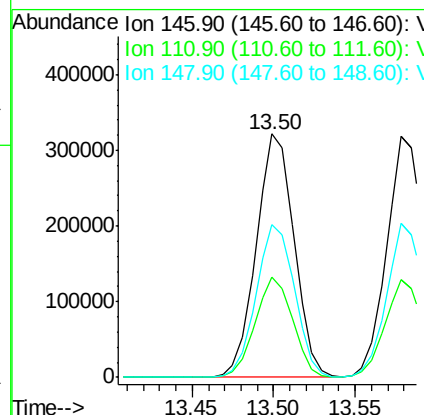
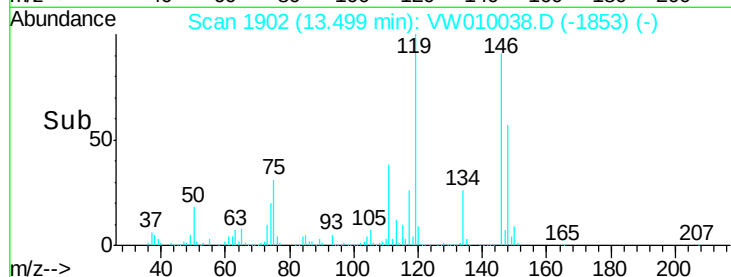
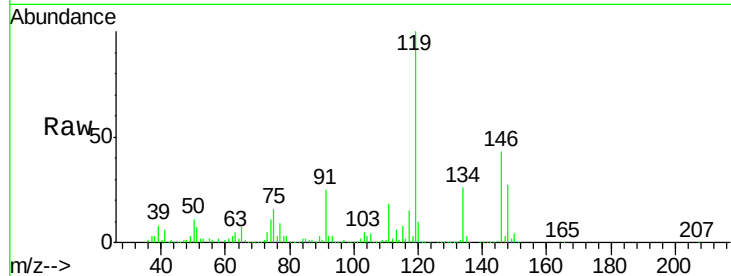
#87  
 1,3-Dichlorobenzene  
 Concen: 55.694 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. -0.00 min  
 Lab File: VW010038.D  
 Acq: 18 Apr 2019 11:39

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.8  | 20.3  | 61.0  |
| 148     | 63.8  | 32.0  | 96.2  |

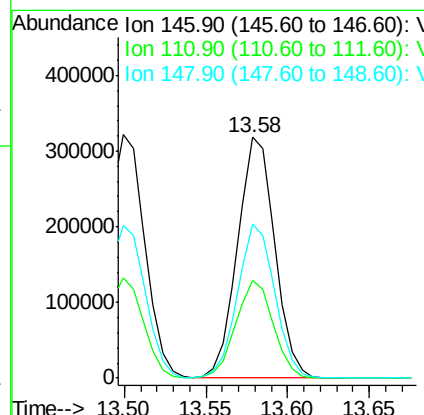
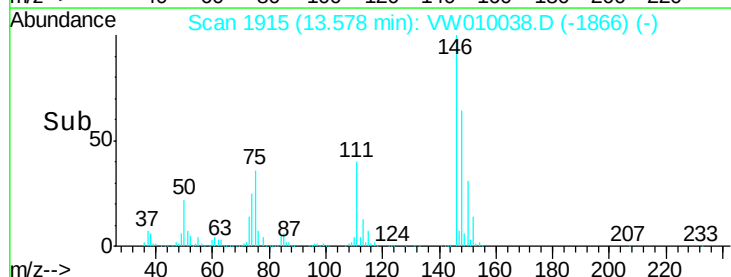
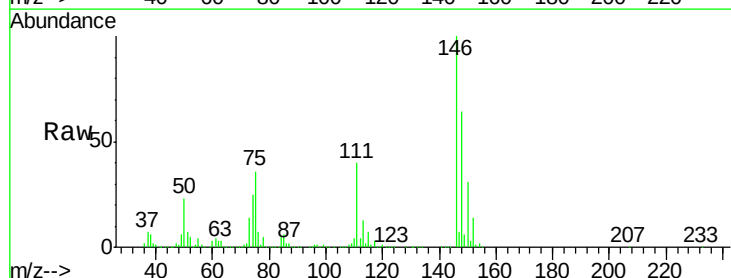
Manual Integrations  
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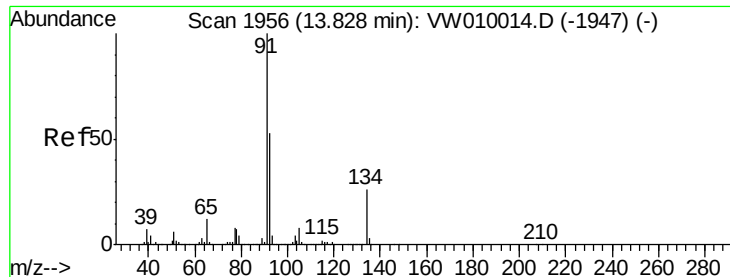
MMDadoda  
 4/19/2019 12:52:44 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 54.409 ug/l  
 RT: 13.58 min Scan# 1915  
 Delta R.T. -0.00 min  
 Lab File: VW010038.D  
 Acq: 18 Apr 2019 11:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.7  | 20.1  | 60.3  |
| 148     | 63.8  | 31.8  | 95.3  |





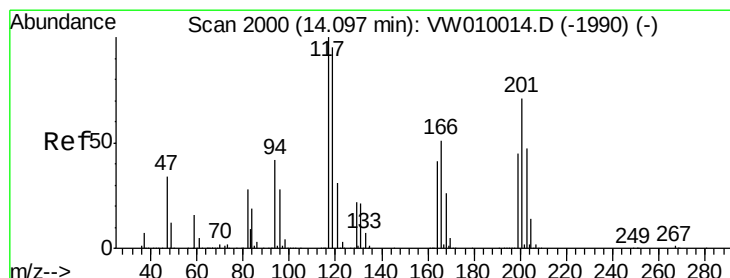
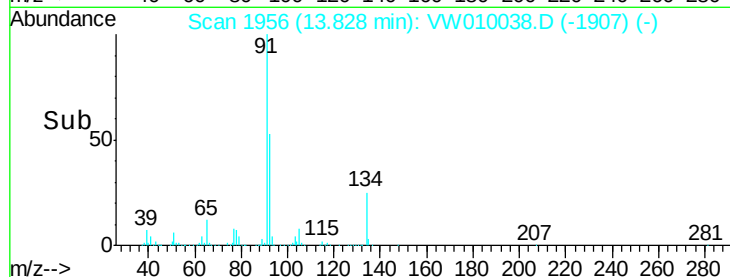
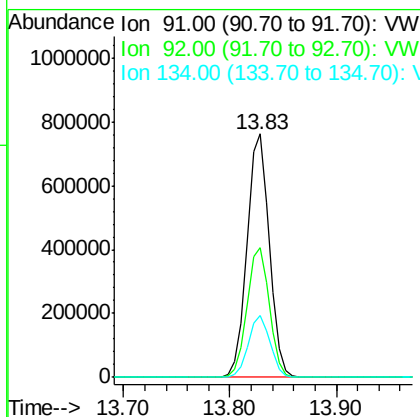
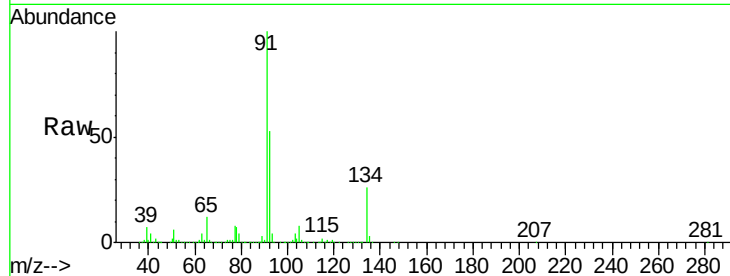
#89  
n-Butylbenzene  
Concen: 60.702 ug/l  
RT: 13.83 min Scan# 1956  
Delta R.T. -0.00 min  
Lab File: VW010038.D  
Acq: 18 Apr 2019 11:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 53.8  | 26.5  | 79.4  |
| 134     | 25.0  | 12.4  | 37.0  |

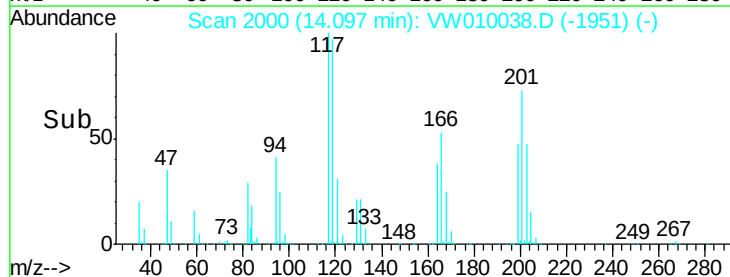
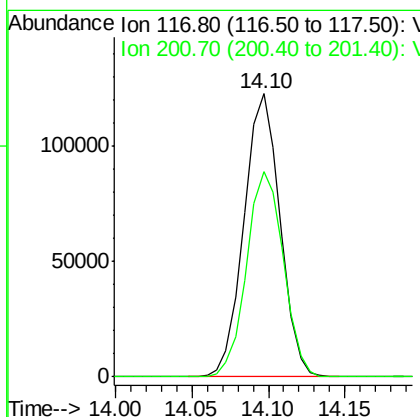
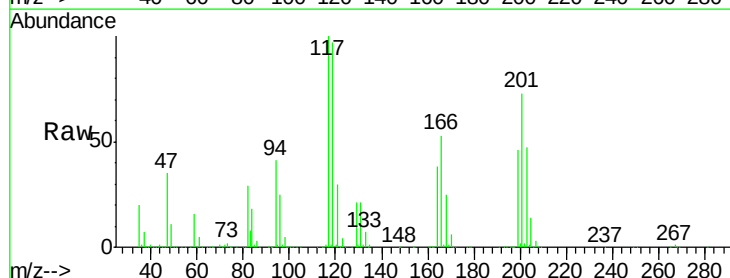
Manual Integrations  
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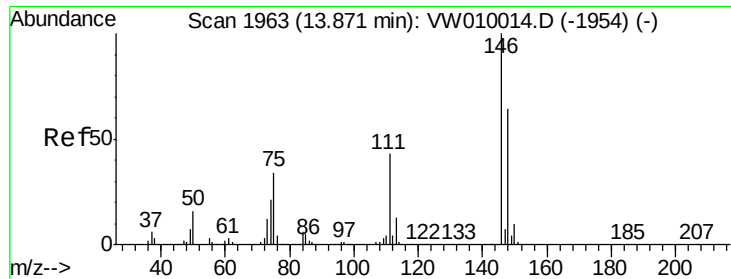
MMDadoda  
4/19/2019 12:52:44 PM



#90  
Hexachloroethane  
Concen: 56.553 ug/l  
RT: 14.10 min Scan# 2000  
Delta R.T. -0.00 min  
Lab File: VW010038.D  
Acq: 18 Apr 2019 11:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 74.1  | 36.1  | 108.3 |





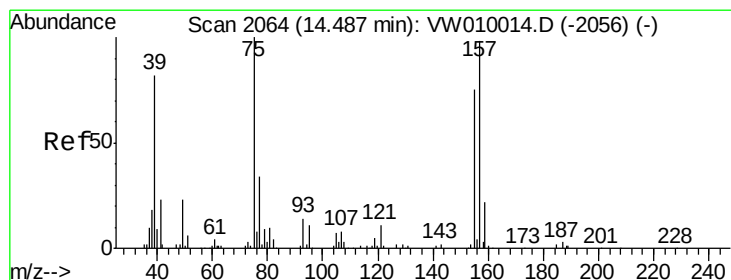
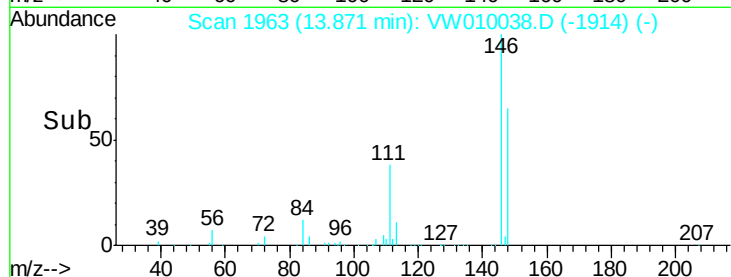
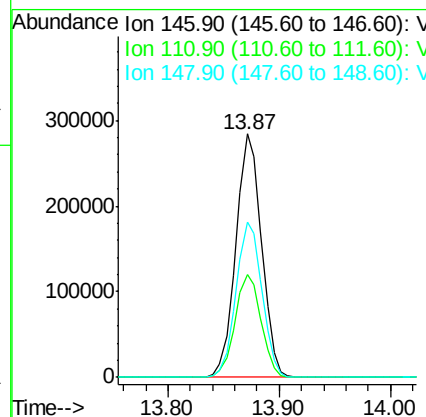
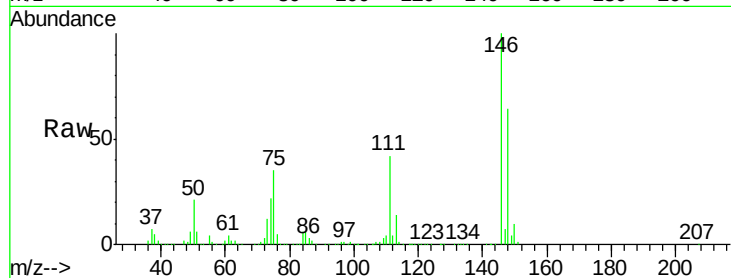
#91  
 1,2-Dichlorobenzene  
 Concen: 54.023 ug/l  
 RT: 13.87 min Scan# 1963  
 Delta R.T. -0.00 min  
 Lab File: VW010038.D  
 Acq: 18 Apr 2019 11:39

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.0  | 20.9  | 62.8  |
| 148     | 64.6  | 31.9  | 95.7  |

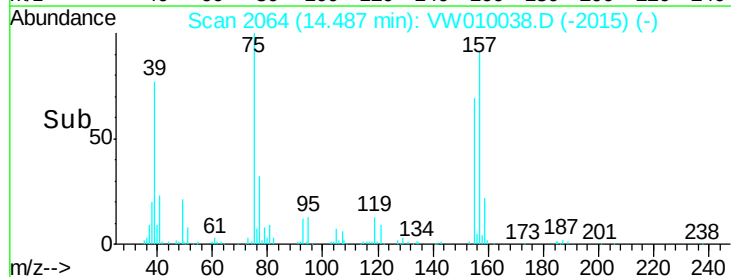
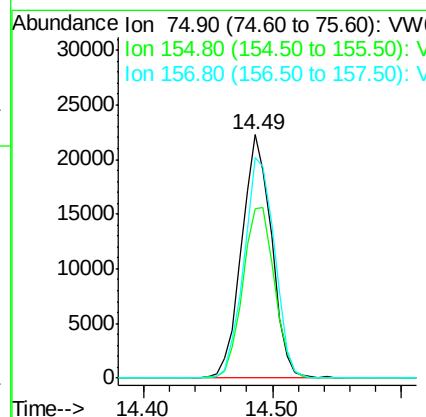
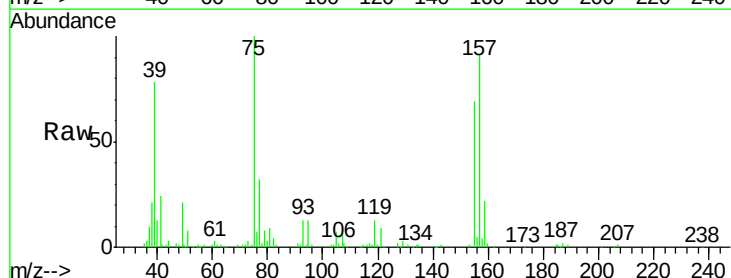
Manual Integrations  
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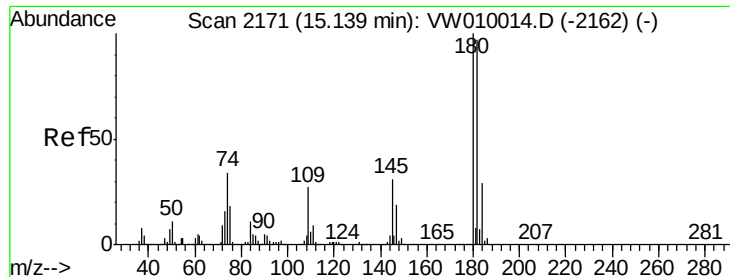
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 50.355 ug/l  
 RT: 14.49 min Scan# 2064  
 Delta R.T. -0.00 min  
 Lab File: VW010038.D  
 Acq: 18 Apr 2019 11:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 74.3  | 37.1  | 111.5 |
| 157     | 92.6  | 47.3  | 141.9 |





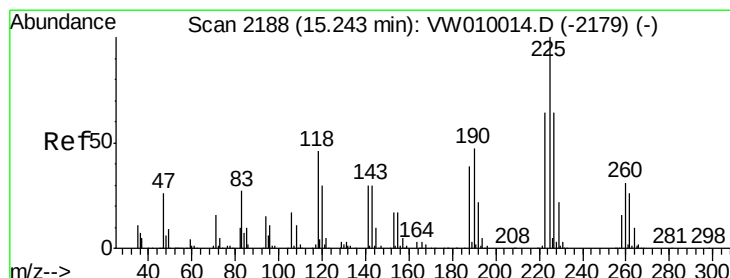
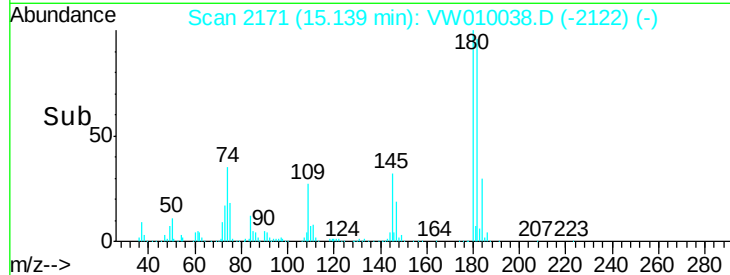
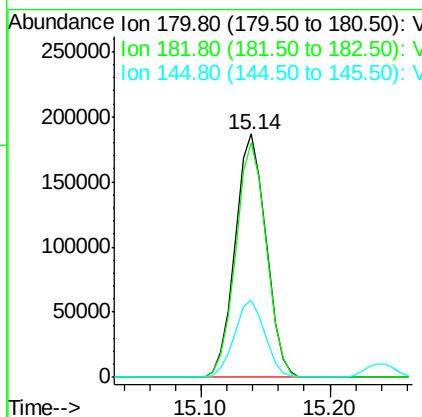
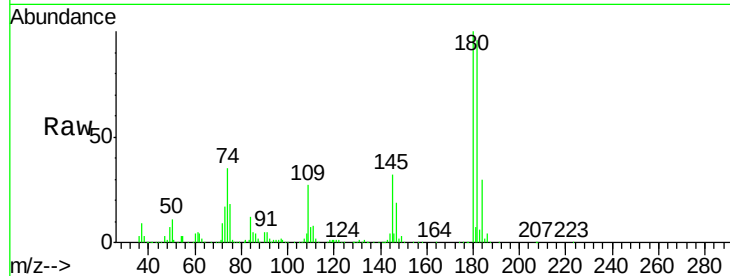
#93  
 1,2,4-Trichlorobenzene  
 Concen: 56.068 ug/l  
 RT: 15.14 min Scan# 2171  
 Delta R.T. -0.00 min  
 Lab File: VW010038.D  
 Acq: 18 Apr 2019 11:39

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 180   | Resp: | 309528 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.7  | 47.1  | 141.4  |
| 145       | 31.6  | 15.2  | 45.6   |

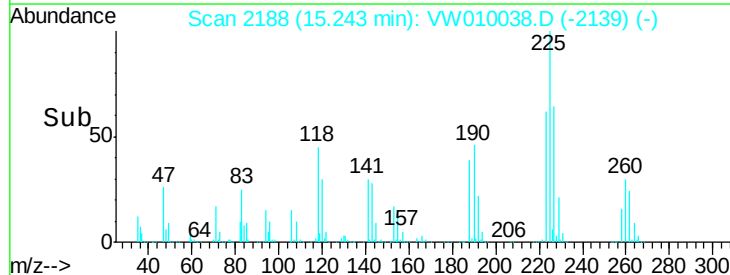
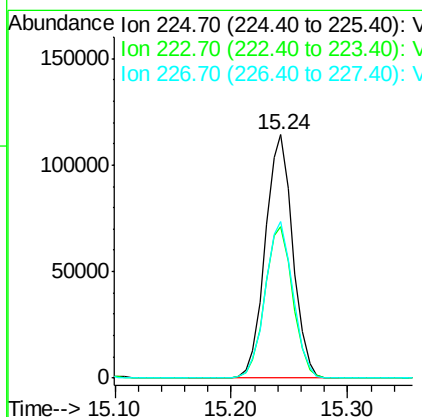
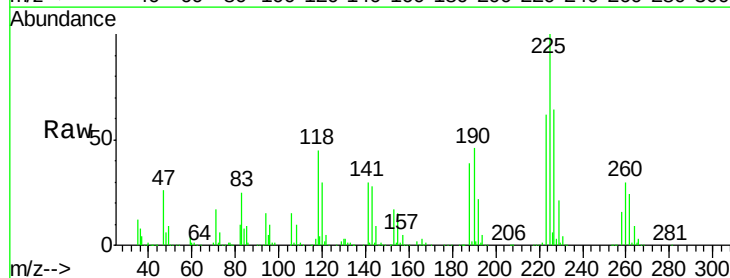
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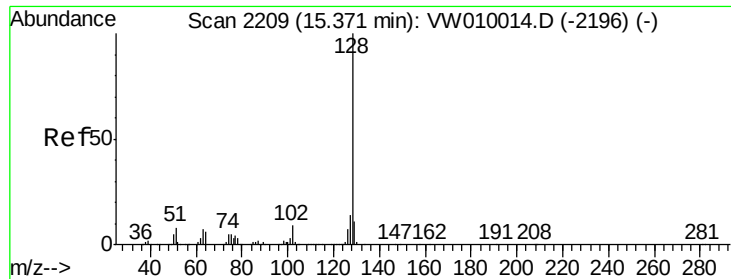
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#94  
 Hexachlorobutadiene  
 Concen: 55.896 ug/l  
 RT: 15.24 min Scan# 2188  
 Delta R.T. -0.00 min  
 Lab File: VW010038.D  
 Acq: 18 Apr 2019 11:39

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 187387 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 63.3  | 31.9  | 95.5   |
| 227       | 64.9  | 31.8  | 95.3   |





#95

Naphthalene

Concen: 51.715 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

Instrument :

MSVOA\_W

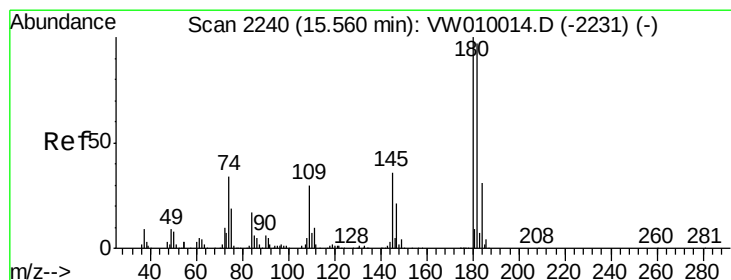
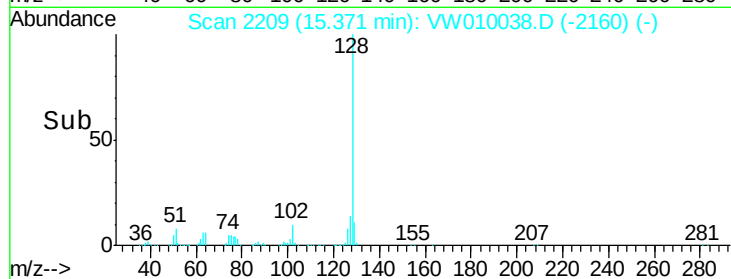
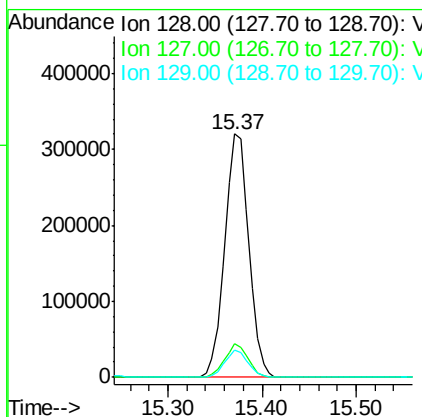
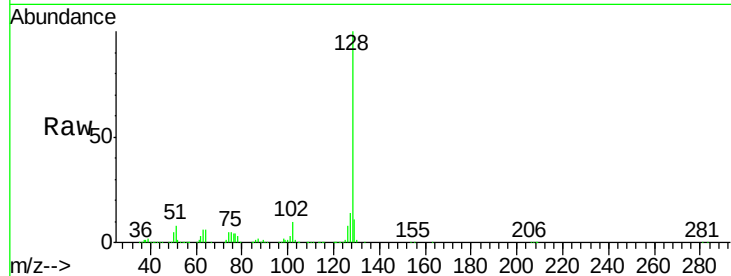
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 567865 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.4  | 10.6  | 15.8   |
| 129       | 10.9  | 8.7   | 13.1   |

Manual Integrations  
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#96

1,2,3-Trichlorobenzene

Concen: 56.223 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW010038.D

Acq: 18 Apr 2019 11:39

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 269286 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.2  | 47.8  | 143.3  |
| 145       | 32.6  | 16.4  | 49.2   |

