

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042020\  
 Data File : VW015220.D  
 Acq On : 20 Apr 2020 13:43  
 Operator : SY/VA  
 Sample : VSTDIC100  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC100

Manual Integrations  
 APPROVED

MMDadoda  
 4/21/2020 10:01:25 AM

Quant Time: Apr 20 14:10:38 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W042020S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Apr 20 13:45:45 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 231806   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 330349   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 317437   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 176944   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 193079   | 88.09  | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =      | 176.18% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 192276   | 105.25 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =      | 210.50% |          |
| 50) Toluene-d8              | 10.32 | 98   | 767877   | 103.47 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =      | 206.94% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 303717   | 116.85 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =      | 233.70% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units  | Qvalue |
|-------------------------------|------|------|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.00 | 85   | 185168   | 123.173 | ug/l   | 97     |
| 3) Chloromethane              | 2.22 | 50   | 196976   | 96.294  | ug/l   | 98     |
| 4) Vinyl Chloride             | 2.36 | 62   | 235567   | 97.794  | ug/l   | 98     |
| 5) Bromomethane               | 2.75 | 94   | 163492   | 128.927 | ug/l   | 93     |
| 6) Chloroethane               | 2.91 | 64   | 140533   | 118.272 | ug/l   | 98     |
| 7) Trichlorofluoromethane     | 3.26 | 101  | 331299   | 214.638 | ug/l   | 100    |
| 8) Diethyl Ether              | 3.69 | 74   | 96640    | 81.214  | ug/l   | 89     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.07 | 101  | 204748   | 87.288  | ug/l   | 93     |
| 10) Methyl Iodide             | 4.28 | 142  | 255397   | 72.912  | ug/l   | 98     |
| 11) Tert butyl alcohol        | 5.17 | 59   | 79576    | 489.053 | ug/l   | 99     |
| 12) 1,1-Dichloroethene        | 4.04 | 96   | 197695   | 81.835  | ug/l   | 96     |
| 13) Acrolein                  | 3.90 | 56   | 39985    | 236.370 | ug/l   | 98     |
| 14) Allyl chloride            | 4.68 | 41   | 267479   | 74.846  | ug/l   | 89     |
| 15) Acrylonitrile             | 5.37 | 53   | 193557   | 387.579 | ug/l   | 99     |
| 16) Acetone                   | 4.13 | 43   | 189445   | 485.258 | ug/l   | 97     |
| 17) Carbon Disulfide          | 4.39 | 76   | 595683   | 81.015  | ug/l   | 99     |
| 18) Methyl Acetate            | 4.68 | 43   | 91089    | 76.301  | ug/l   | 95     |
| 19) Methyl tert-butyl Ether   | 5.43 | 73   | 474224   | 149.888 | ug/l   | 96     |
| 20) Methylene Chloride        | 4.92 | 84   | 207842   | 76.876  | ug/l   | 93     |
| 21) trans-1,2-Dichloroethene  | 5.43 | 96   | 228153   | 89.510  | ug/l   | 95     |
| 22) Diisopropyl ether         | 6.32 | 45   | 523719   | 72.663  | ug/l   | 95     |
| 23) Vinyl Acetate             | 6.26 | 43   | 1570250  | 375.144 | ug/l   | 97     |
| 24) 1,1-Dichloroethane        | 6.22 | 63   | 357144   | 83.345  | ug/l   | 99     |
| 25) 2-Butanone                | 7.17 | 43   | 247886   | 396.783 | ug/l   | 91     |
| 26) 2,2-Dichloropropane       | 7.17 | 77   | 364460   | 127.797 | ug/l   | 97     |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96   | 249049   | 90.637  | ug/l   | 99     |
| 28) Bromochloromethane        | 7.51 | 49   | 128357   | 71.671  | ug/l # | 77     |
| 29) Tetrahydrofuran           | 7.53 | 42   | 152508   | 372.408 | ug/l   | 89     |
| 30) Chloroform                | 7.68 | 83   | 385720   | 91.891  | ug/l   | 97     |
| 31) Cyclohexane               | 7.96 | 56   | 321693   | 70.232  | ug/l   | 93     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97   | 361907   | 102.348 | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 8.09 | 75   | 292568   | 99.136  | ug/l   | 98     |
| 37) Ethyl Acetate             | 7.25 | 43   | 105540   | 85.926  | ug/l   | 97     |
| 38) Carbon Tetrachloride      | 8.07 | 117  | 328094   | 120.922 | ug/l   | 95     |

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 Sample : VSTDICC100  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDICC100

Manual Integrations  
 APPROVED

MMDadoda  
 4/21/2020 10:01:25 AM

Quant Time: Apr 20 14:10:38 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W042020S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Apr 20 13:45:45 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 399759   | 100.802  | ug/l   | 97       |
| 40) Benzene                    | 8.32  | 78   | 816282   | 97.409   | ug/l   | 96       |
| 41) Methacrylonitrile          | 7.48  | 41   | 60469    | 83.205   | ug/l # | 86       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 246857   | 116.067  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.43  | 43   | 219487   | 91.441   | ug/l   | 96       |
| 44) Trichloroethene            | 9.09  | 130  | 245892   | 111.672  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 189429   | 91.877   | ug/l   | 99       |
| 46) Dibromomethane             | 9.46  | 93   | 112747   | 109.421  | ug/l # | 88       |
| 47) Bromodichloromethane       | 9.65  | 83   | 291448   | 109.092  | ug/l   | 97       |
| 48) Methyl methacrylate        | 9.43  | 41   | 101580   | 90.479   | ug/l # | 87       |
| 49) 1,4-Dioxane                | 9.45  | 88   | 35207    | 2153.688 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 526501   | 414.727  | ug/l   | 96       |
| 52) Toluene                    | 10.39 | 92   | 578859   | 107.917  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.60 | 75   | 300050   | 110.391  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 340387   | 103.805  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 156514   | 107.201  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 211500   | 105.124  | ug/l   | 94       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 261218   | 101.795  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.92  | 63   | 476091   | 478.131  | ug/l   | 90       |
| 59) 2-Hexanone                 | 10.97 | 43   | 386455   | 485.038  | ug/l   | 97       |
| 60) Dibromochloromethane       | 11.13 | 129  | 211387   | 121.346  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.23 | 107  | 157809   | 112.154  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.86 | 164  | 219581   | 117.761  | ug/l   | 94       |
| 65) Chlorobenzene              | 11.66 | 112  | 634915   | 106.298  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 227218   | 110.062  | ug/l   | 97       |
| 67) Ethyl Benzene              | 11.73 | 91   | 1171755  | 103.917  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.84 | 106  | 925680   | 216.322  | ug/l   | 100      |
| 69) o-Xylene                   | 12.16 | 106  | 434176   | 108.252  | ug/l   | 100      |
| 70) Styrene                    | 12.18 | 104  | 757655   | 111.820  | ug/l   | 99       |
| 71) Bromoform                  | 12.35 | 173  | 136121   | 132.767  | ug/l # | 97       |
| 73) Isopropylbenzene           | 12.46 | 105  | 1212767  | 91.906   | ug/l   | 99       |
| 74) N-amyl acetate             | 12.27 | 43   | 227529   | 74.175   | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 177567   | 80.311   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 141631m  | 93.505   | ug/l   |          |
| 77) Bromobenzene               | 12.74 | 156  | 284498   | 104.065  | ug/l   | 86       |
| 78) n-propylbenzene            | 12.80 | 91   | 1420528  | 89.264   | ug/l   | 97       |
| 79) 2-Chlorotoluene            | 12.89 | 91   | 809242   | 91.988   | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 1072392  | 96.514   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.51 | 75   | 65806    | 84.055   | ug/l   | 94       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 864045   | 92.964   | ug/l   | 98       |
| 83) tert-Butylbenzene          | 13.21 | 119  | 934300   | 96.977   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.25 | 105  | 1066502  | 96.572   | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.38 | 105  | 1283379  | 93.730   | ug/l   | 97       |
| 86) p-Isopropyltoluene         | 13.49 | 119  | 1205402  | 98.663   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.50 | 146  | 559431   | 102.714  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 555234   | 102.756  | ug/l   | 97       |
| 89) n-Butylbenzene             | 13.82 | 91   | 1115468  | 92.353   | ug/l   | 98       |
| 90) Hexachloroethane           | 14.09 | 117  | 218975   | 93.221   | ug/l   | 74       |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 506530   | 104.602  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.48 | 75   | 33858    | 94.580   | ug/l   | 89       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042020\  
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Operator : SY/VA  
Sample : VSTDICC100  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICC100

Manual Integrations  
APPROVED

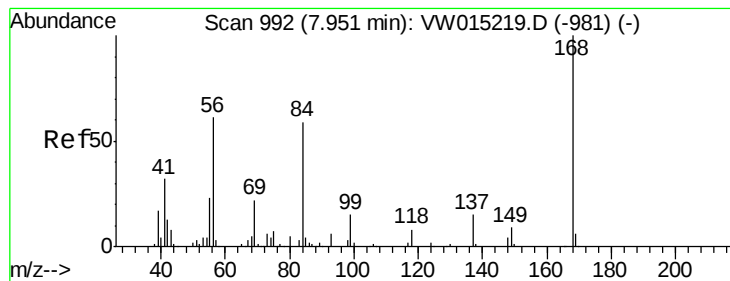
MMDadoda  
4/21/2020 10:01:25 AM

Quant Time: Apr 20 14:10:38 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W042020S.M  
Quant Title : SW846 8260  
QLast Update : Mon Apr 20 13:45:45 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|----------------------------|-------|------|----------|---------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.13 | 180  | 365292   | 114.324 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.23 | 225  | 232382   | 126.059 | ug/l  | 98       |
| 95) Naphthalene            | 15.36 | 128  | 604052   | 98.270  | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.55 | 180  | 291743   | 106.394 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 231806

Ion Ratio Lower Upper

168 100

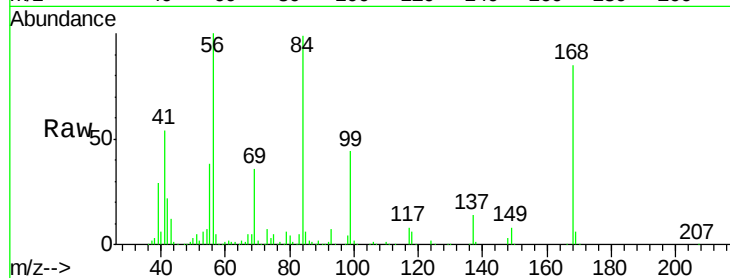
99 51.6 48.5 72.7

Manual Integrations

APPROVED

MMDadoda

4/21/2020 10:01:25 AM

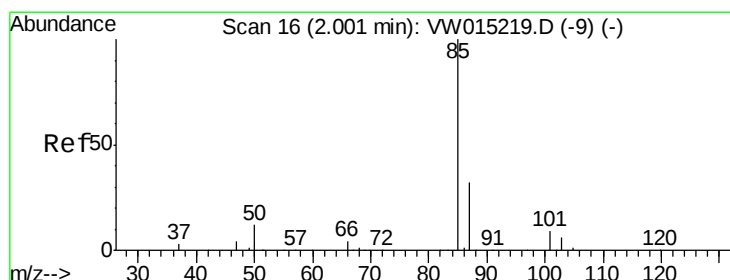
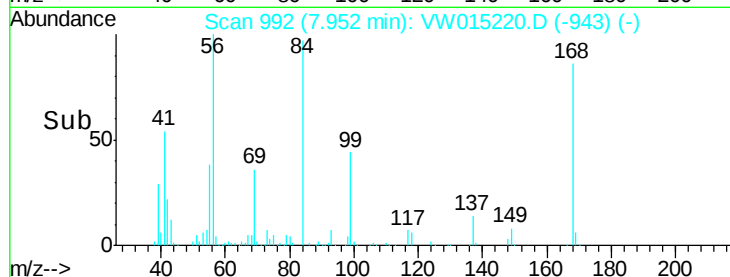


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

Time-->



#2

Dichlorodifluoromethane

Concen: 123.173 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW015220.D

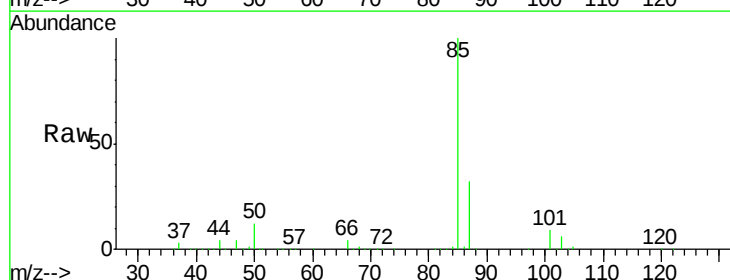
Acq: 20 Apr 2020 13:43

Tgt Ion: 85 Resp: 185168

Ion Ratio Lower Upper

85 100

87 32.4 17.2 51.6

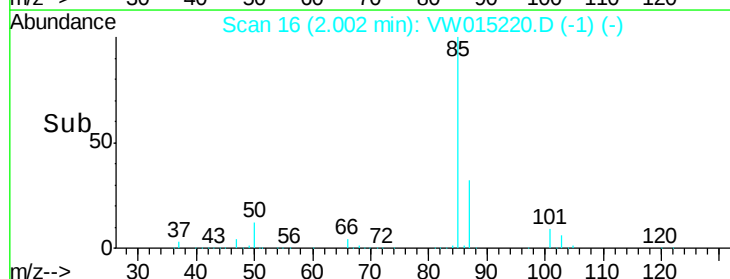


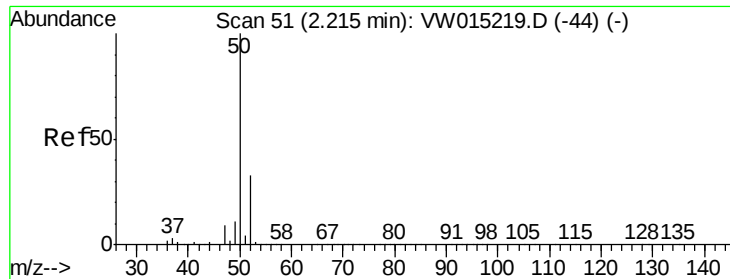
Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

Time-->





#3

Chloromethane

Concen: 96.294 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 196976

Ion Ratio Lower Upper

50 100

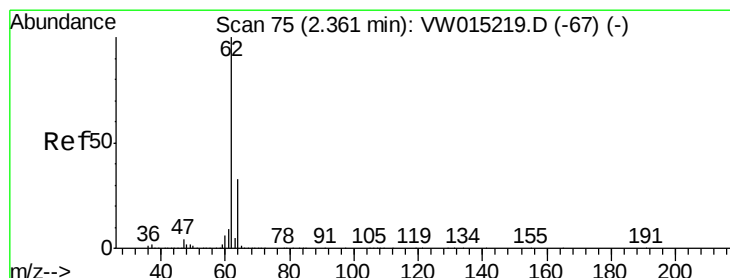
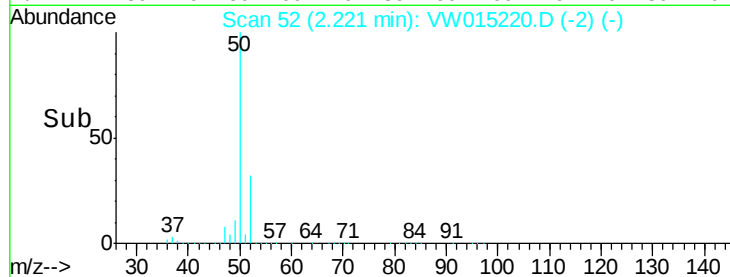
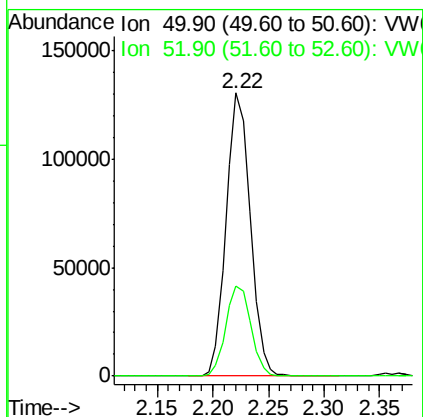
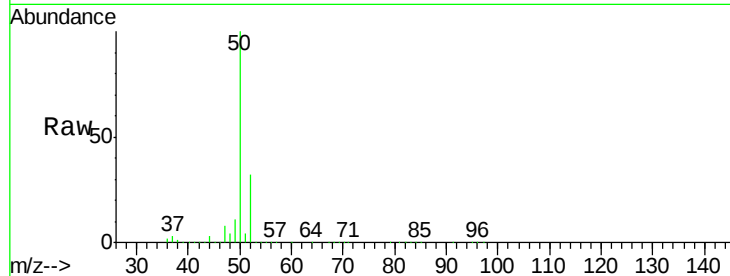
52 31.9 26.5 39.7

Manual Integrations

APPROVED

MMDadoda

4/21/2020 10:01:25 AM



#4

Vinyl Chloride

Concen: 97.794 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW015220.D

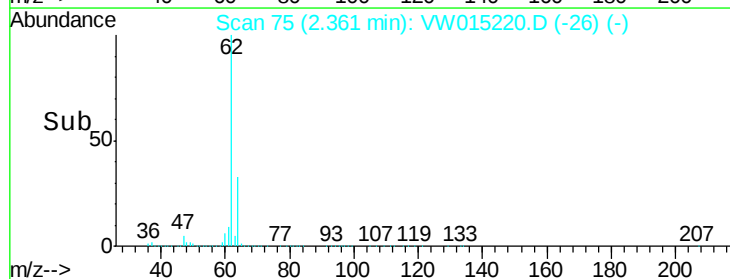
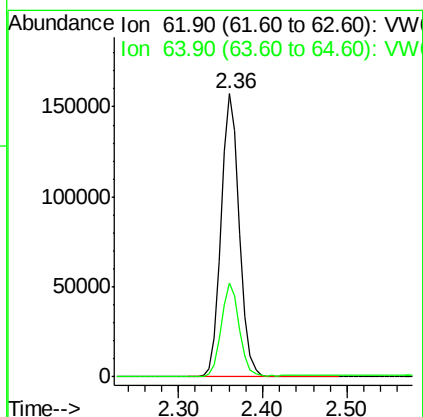
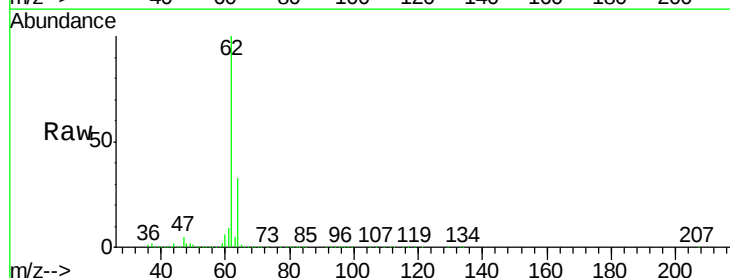
Acq: 20 Apr 2020 13:43

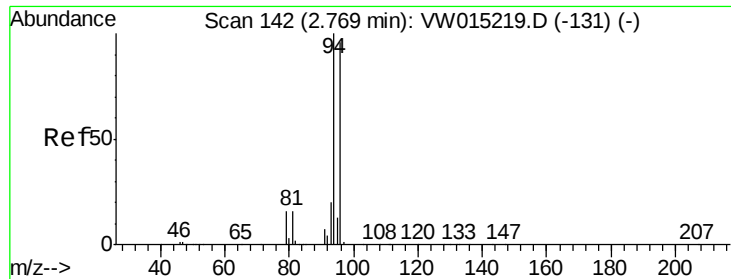
Tgt Ion: 62 Resp: 235567

Ion Ratio Lower Upper

62 100

64 32.9 25.4 38.2





#5

Bromomethane

Concen: 128.927 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.02 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 163492

Ion Ratio Lower Upper

94 100

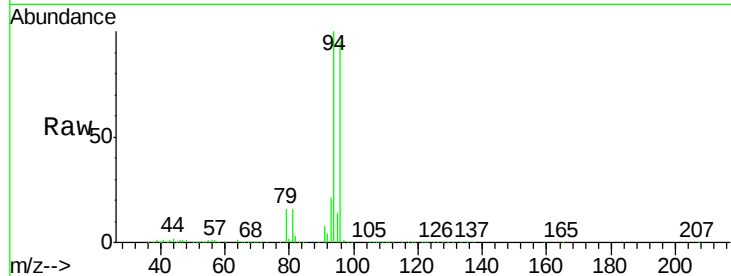
96 94.6 70.4 105.6

Manual Integrations

APPROVED

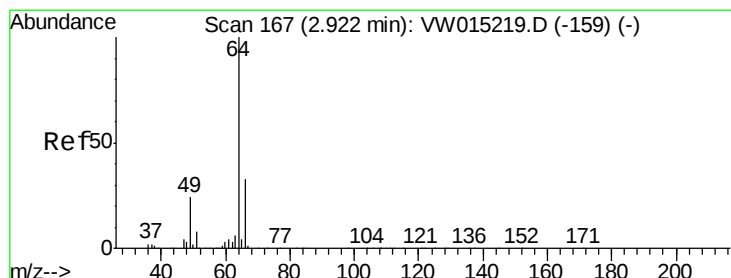
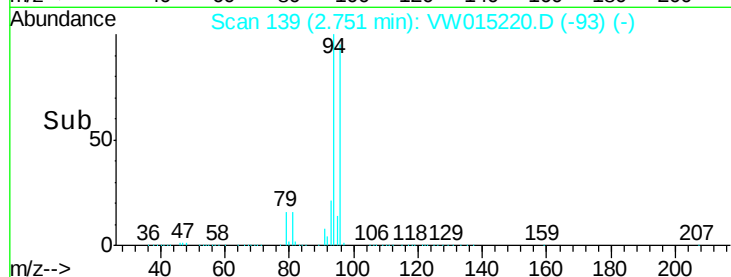
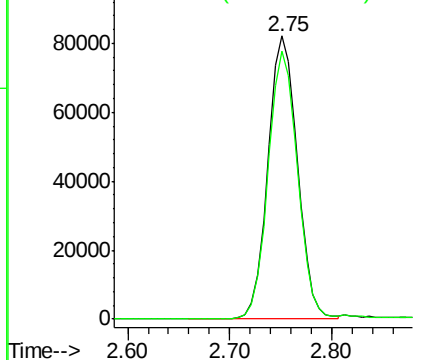
MMDadoda

4/21/2020 10:01:25 AM



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 118.272 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW015220.D

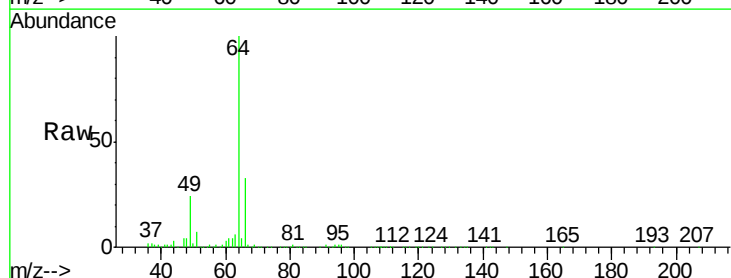
Acq: 20 Apr 2020 13:43

Tgt Ion: 64 Resp: 140533

Ion Ratio Lower Upper

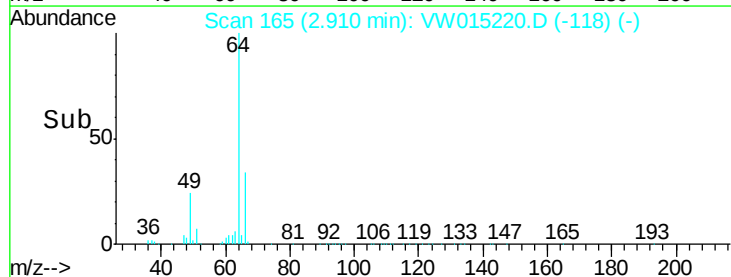
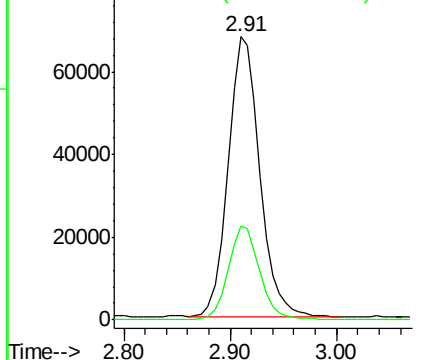
64 100

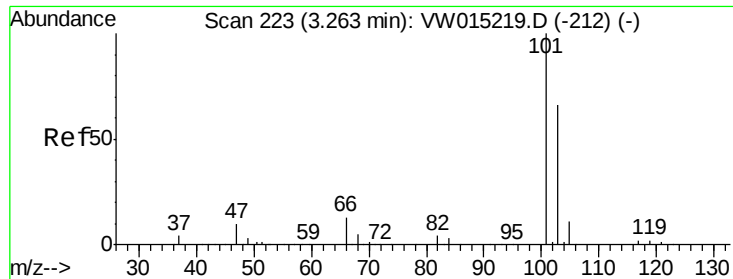
66 33.6 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

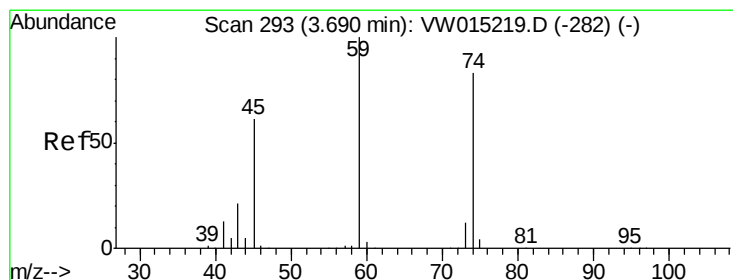
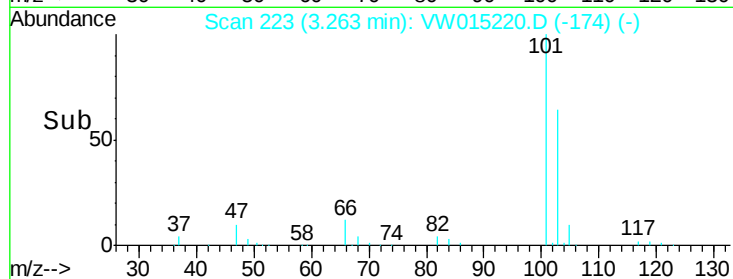
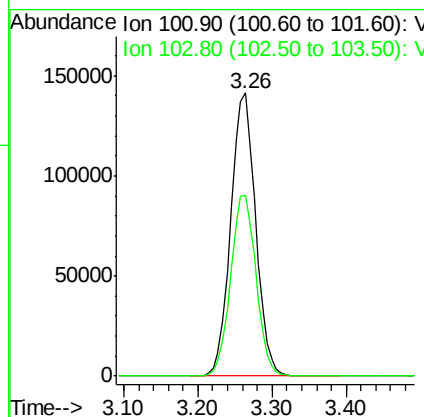
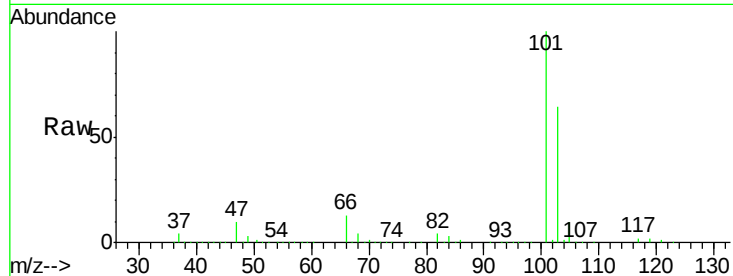
Trichlorofluoromethane  
 Concen: 214.638 ug/l  
 RT: 3.26 min Scan# 223  
 Delta R.T. 0.00 min  
 Lab File: VW015220.D  
 Acq: 20 Apr 2020 13:43

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.0  | 51.3  | 76.9  |

Manual Integrations  
 APPROVED

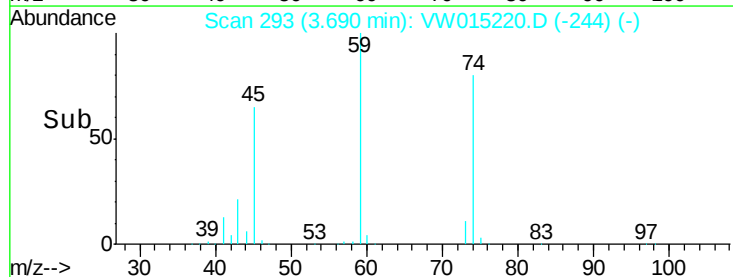
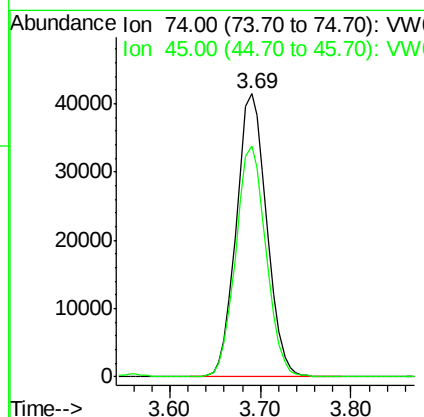
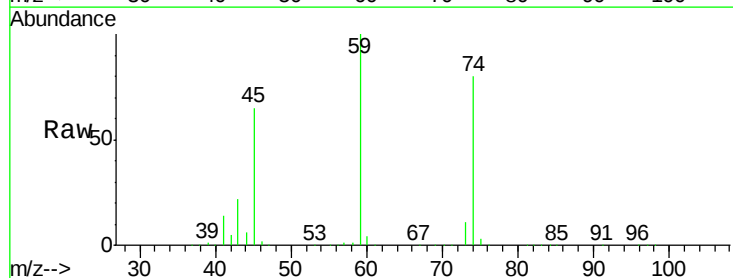
MMDadoda  
 4/21/2020 10:01:25 AM

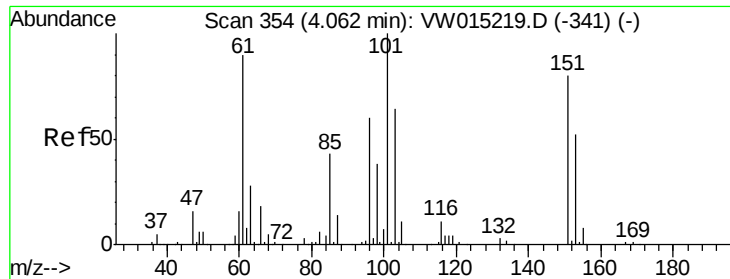


#8

Diethyl Ether  
 Concen: 81.214 ug/l  
 RT: 3.69 min Scan# 293  
 Delta R.T. 0.00 min  
 Lab File: VW015220.D  
 Acq: 20 Apr 2020 13:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 81.0  | 45.5  | 136.5 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 87.288 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA\_W

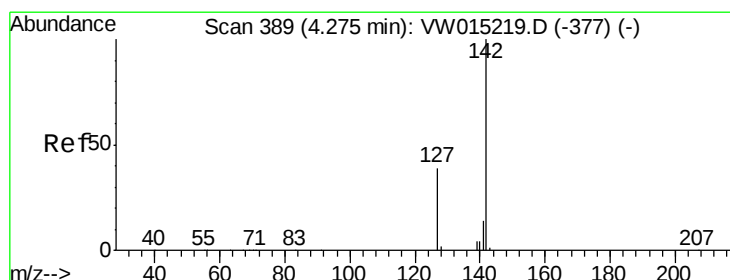
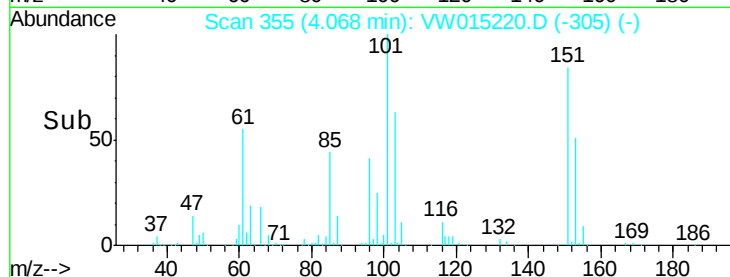
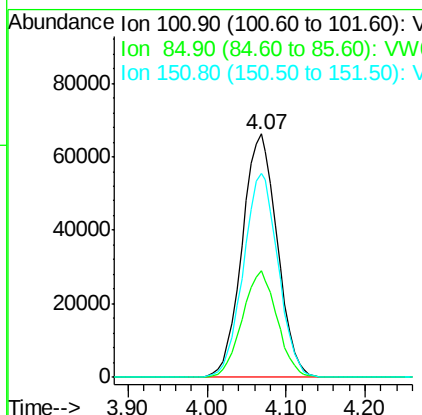
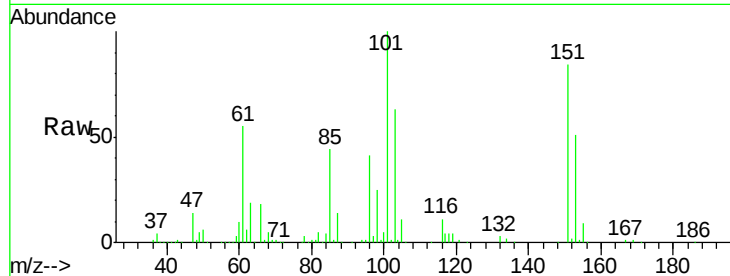
ClientSampleId :

VSTDIC100

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 204748 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 43.5  | 35.3  | 52.9   |
| 151       | 82.9  | 59.3  | 88.9   |

Manual Integrations  
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MMDadoda  
4/21/2020 10:01:25 AM



#10

Methyl Iodide

Concen: 72.912 ug/l

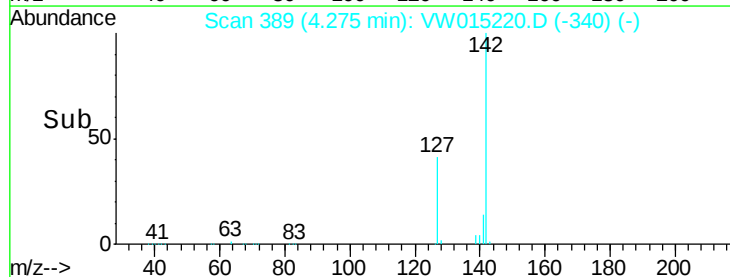
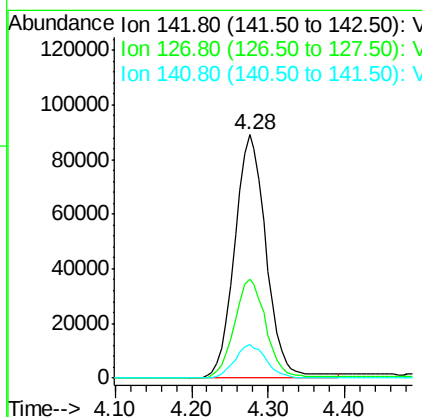
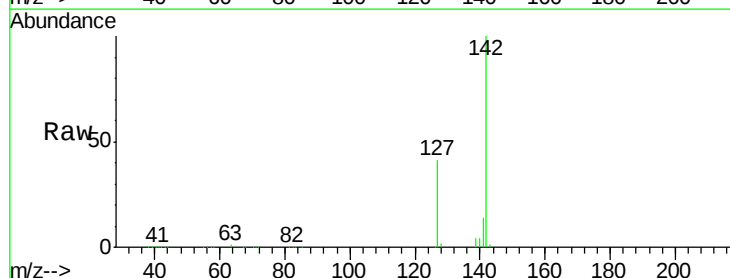
RT: 4.28 min Scan# 389

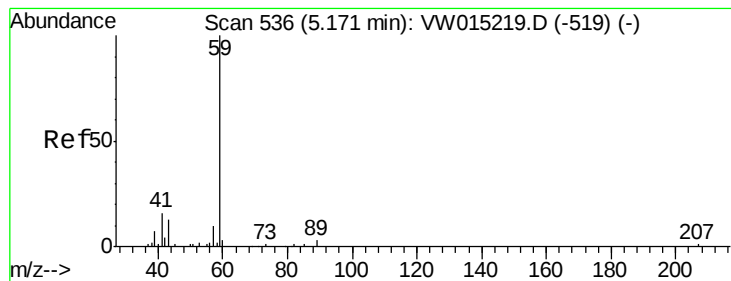
Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 255397 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 40.8  | 33.9  | 50.9   |
| 141       | 13.9  | 11.4  | 17.2   |





#11

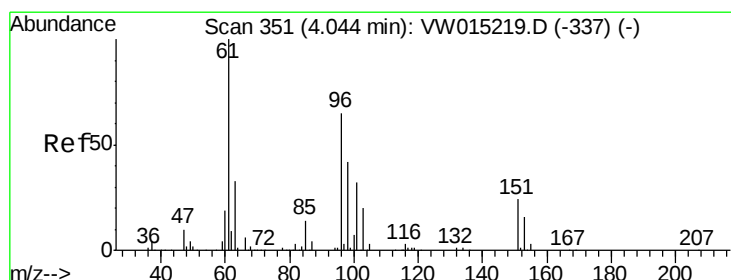
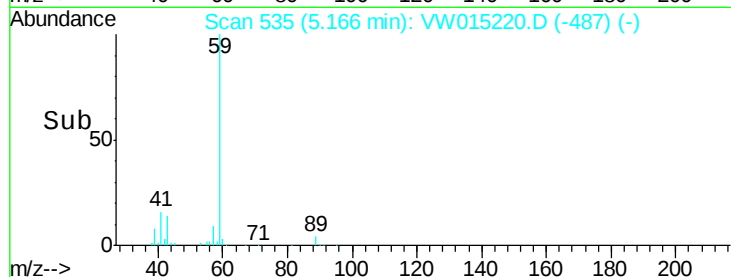
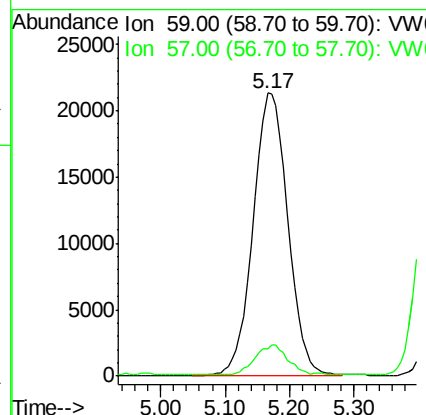
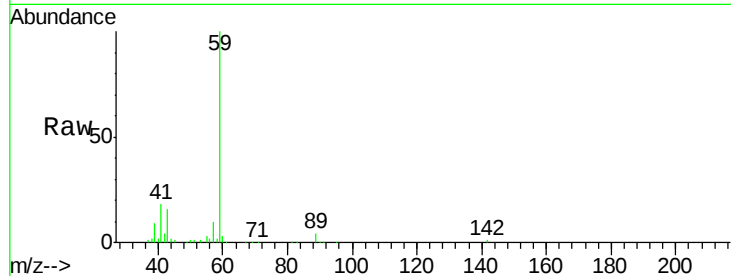
Tert butyl alcohol  
 Concen: 489.053 ug/l  
 RT: 5.17 min Scan# 535  
 Delta R.T. -0.01 min  
 Lab File: VW015220.D  
 Acq: 20 Apr 2020 13:43

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC100

| Tot Ion   | 59   | Resp  | 79576 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 57        | 10.1 | 8.4   | 12.6  |

Manual Integrations  
 APPROVED

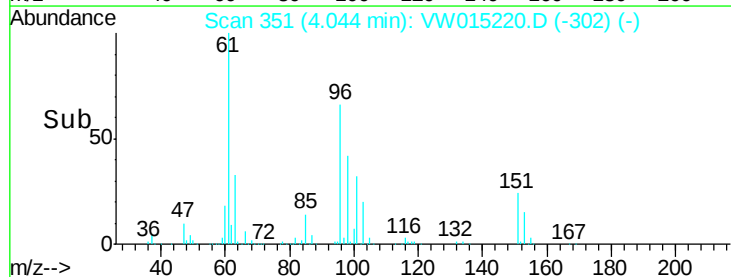
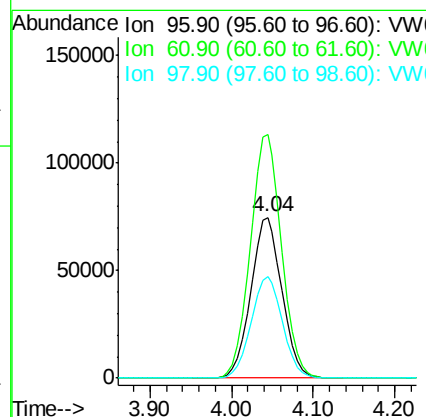
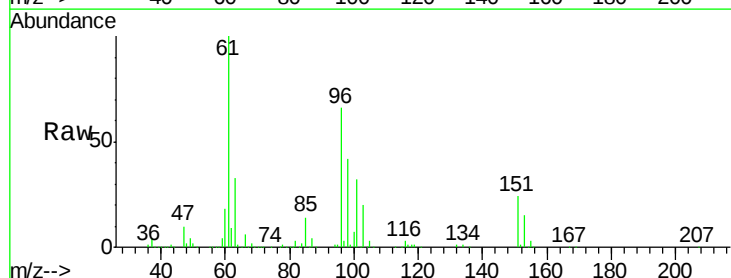
MMDadoda  
 4/21/2020 10:01:25 AM

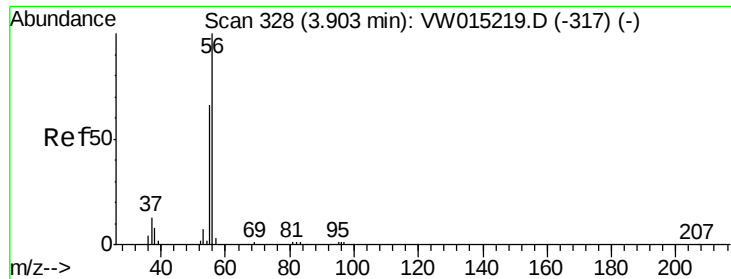


#12

1,1-Dichloroethene  
 Concen: 81.835 ug/l  
 RT: 4.04 min Scan# 351  
 Delta R.T. 0.00 min  
 Lab File: VW015220.D  
 Acq: 20 Apr 2020 13:43

| Tgt Ion   | 96    | Resp  | 197695 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 61        | 151.3 | 127.0 | 190.4  |
| 98        | 63.5  | 51.0  | 76.4   |





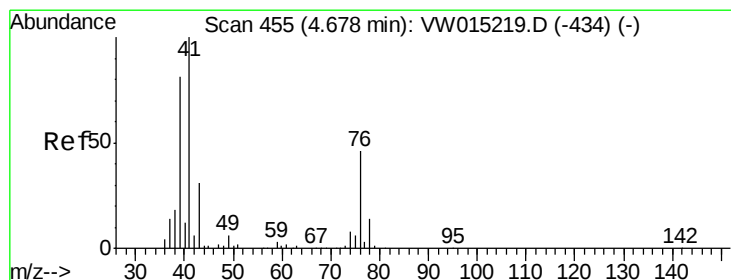
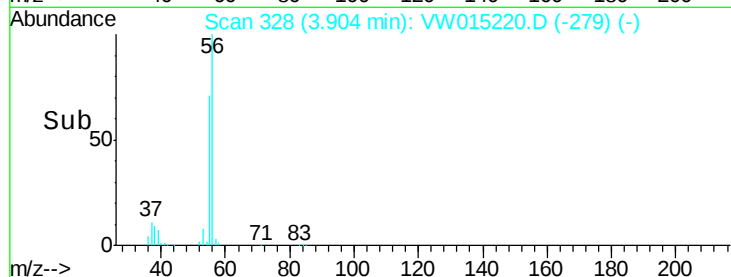
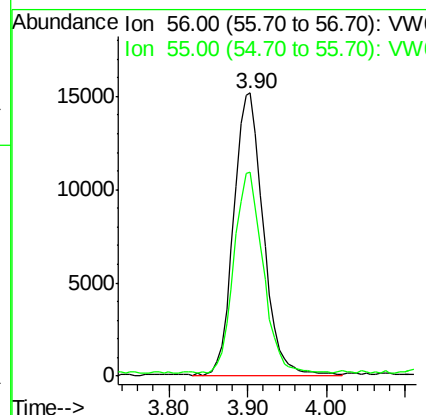
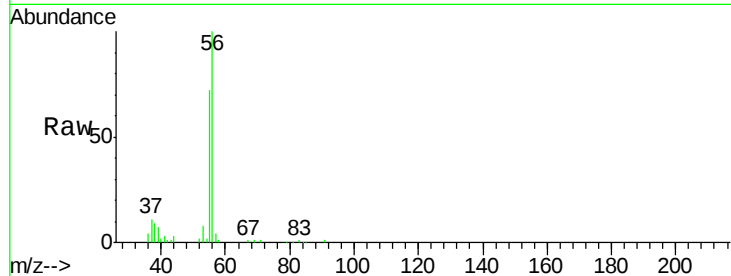
#13  
Acrolein  
Concen: 236.370 ug/l  
RT: 3.90 min Scan# 328  
Delta R.T. 0.00 min  
Lab File: VW015220.D  
Acq: 20 Apr 2020 13:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

| Tot Ion | 56 | 55 | Ratio | 100 | 68.8 | Resp | 39985 | Lower | 56.2 | Upper | 84.2 |
|---------|----|----|-------|-----|------|------|-------|-------|------|-------|------|
| Ion     |    |    |       |     |      |      |       |       |      |       |      |

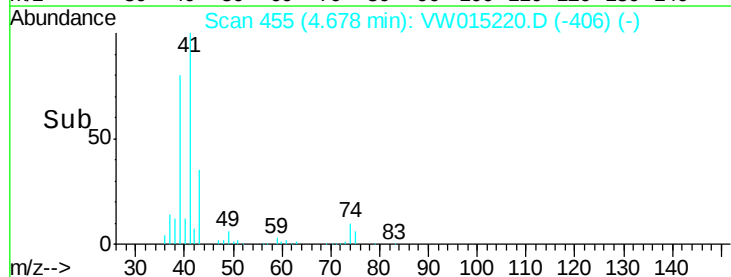
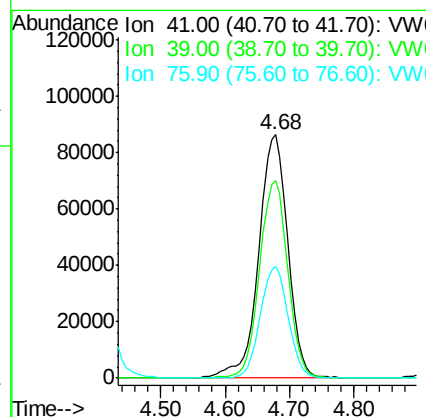
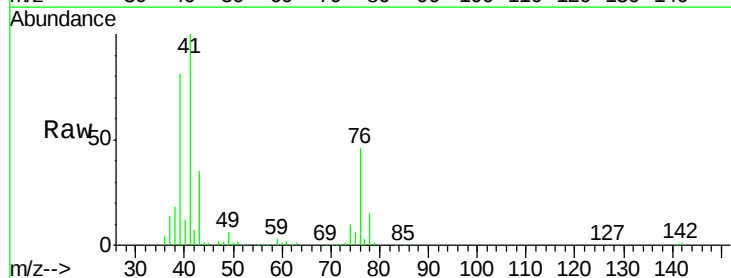
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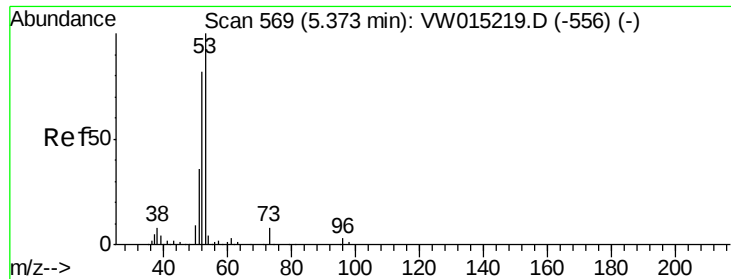
MMDadoda  
4/21/2020 10:01:25 AM



#14  
Allyl chloride  
Concen: 74.846 ug/l  
RT: 4.68 min Scan# 455  
Delta R.T. 0.00 min  
Lab File: VW015220.D  
Acq: 20 Apr 2020 13:43

| Tgt Ion | 41 | 39 | 76 | Ratio | 100 | 78.9 | 44.0 | Resp | 267479 | Lower | 54.0 | Upper | 81.0 | 47.6 |
|---------|----|----|----|-------|-----|------|------|------|--------|-------|------|-------|------|------|
| Ion     |    |    |    |       |     |      |      |      |        |       |      |       |      |      |





#15

Acrylonitrile

Concen: 387.579 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA\_W

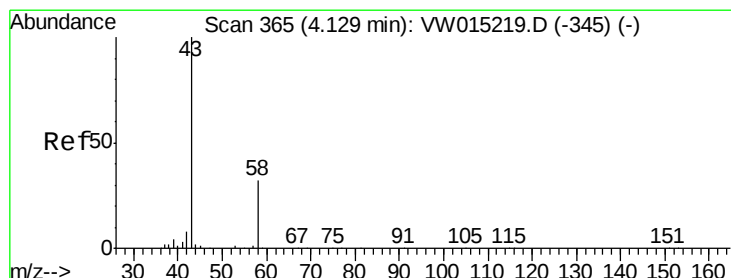
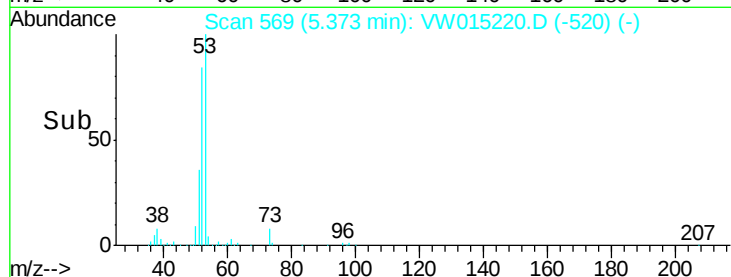
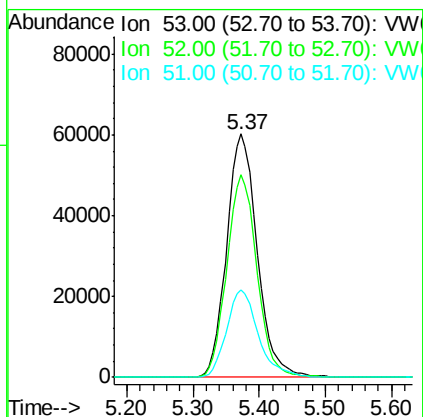
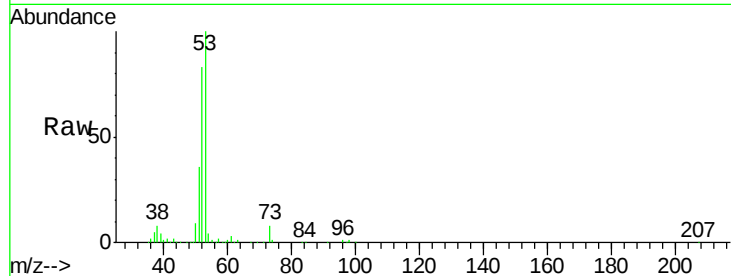
ClientSampled :

VSTDIC100

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 193557 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 81.9  | 65.2  | 97.8   |
| 51       | 37.3  | 28.2  | 42.4   |

Manual Integrations  
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MMDadoda  
4/21/2020 10:01:25 AM



#16

Acetone

Concen: 485.258 ug/l

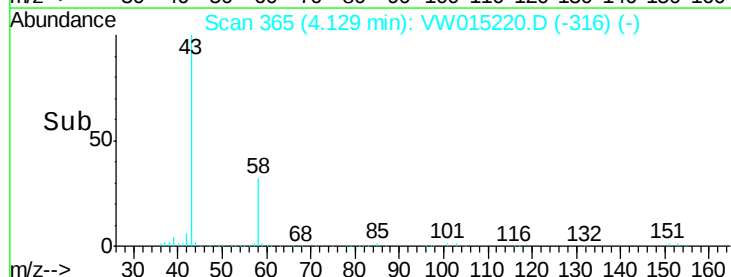
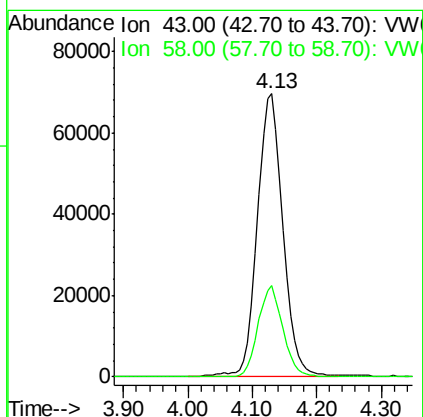
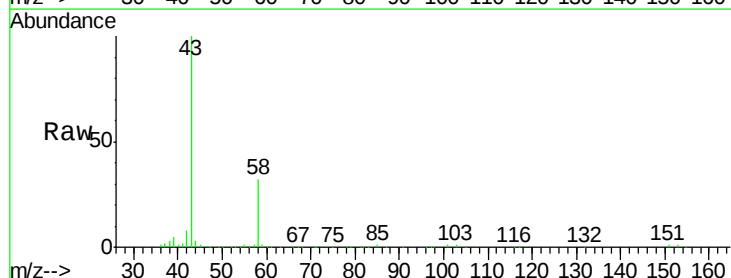
RT: 4.13 min Scan# 365

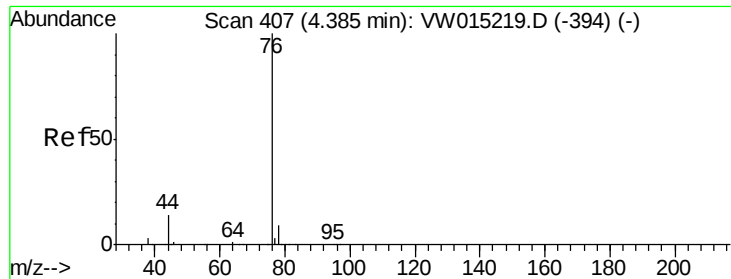
Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 189445 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 32.2  | 27.0  | 40.4   |





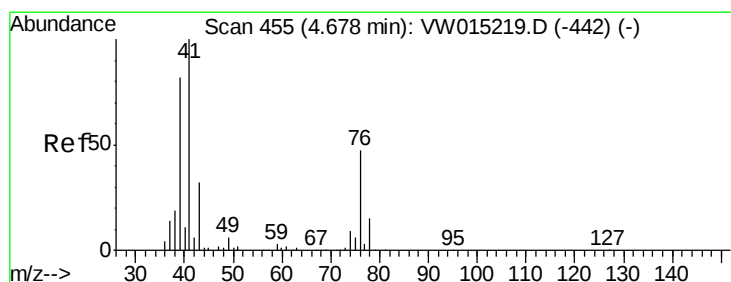
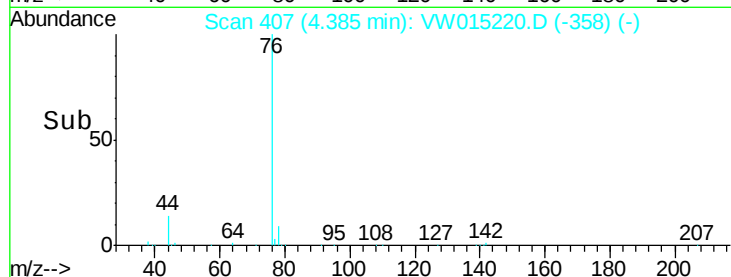
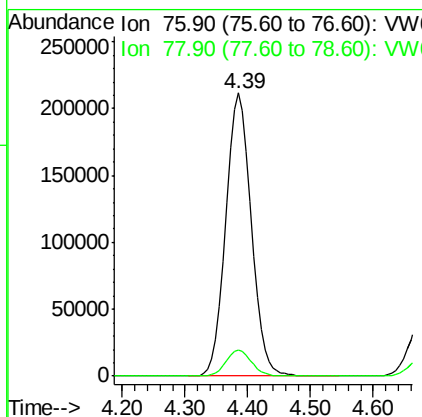
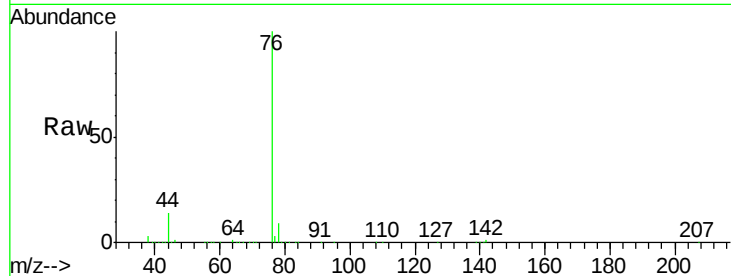
#17  
Carbon Disulfide  
Concen: 81.015 ug/l  
RT: 4.39 min Scan# 407  
Delta R.T. 0.00 min  
Lab File: VW015220.D  
Acq: 20 Apr 2020 13:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.2   | 7.0   | 10.6  |

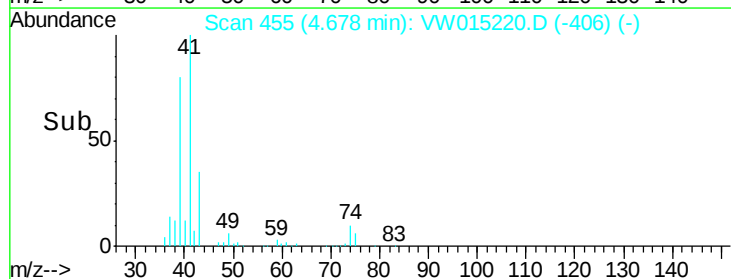
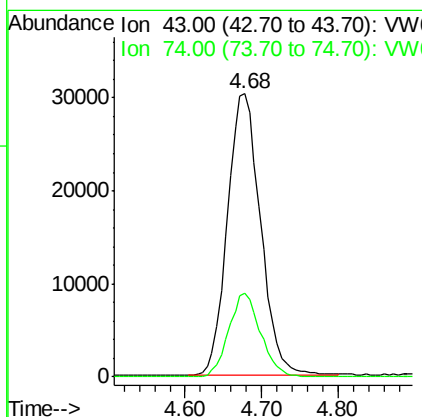
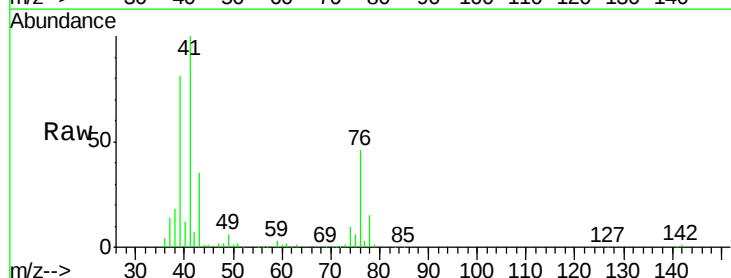
Manual Integrations  
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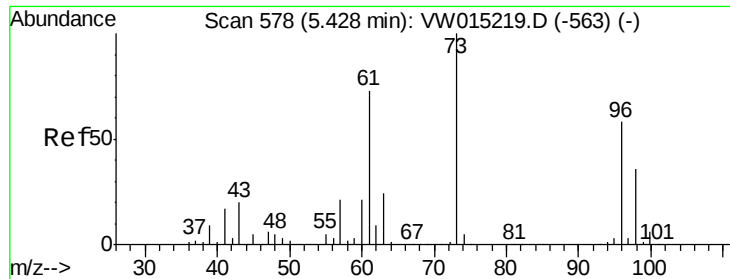
MMDadoda  
4/21/2020 10:01:25 AM



#18  
Methyl Acetate  
Concen: 76.301 ug/l  
RT: 4.68 min Scan# 455  
Delta R.T. 0.00 min  
Lab File: VW015220.D  
Acq: 20 Apr 2020 13:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 28.5  | 20.6  | 31.0  |





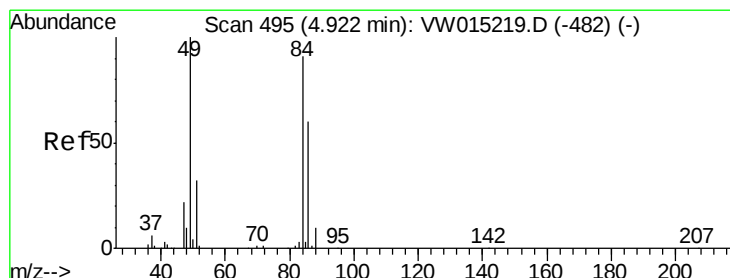
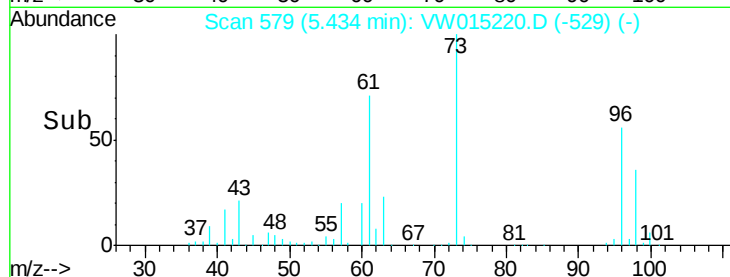
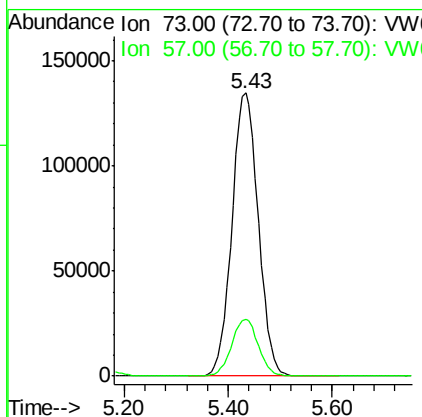
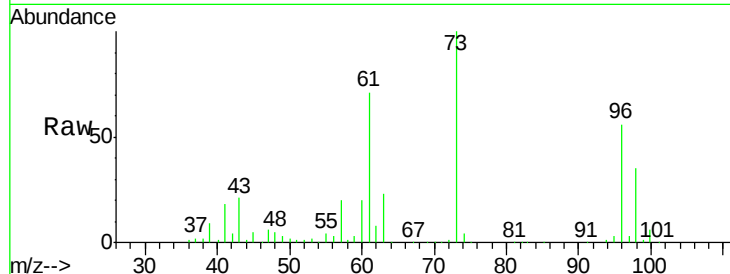
#19  
Methvl tert-butvl Ether  
Concen: 149.888 ug/l  
RT: 5.43 min Scan# 579  
Delta R.T. 0.01 min  
Lab File: VW015220.D  
Acq: 20 Apr 2020 13:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

Tot Ion: 73 Resp: 474224  
Ion Ratio Lower Upper  
73 100  
57 20.1 17.8 26.6

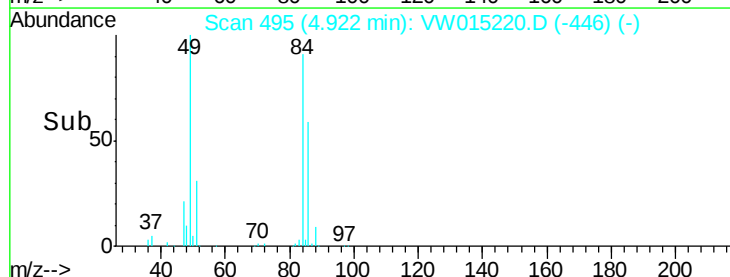
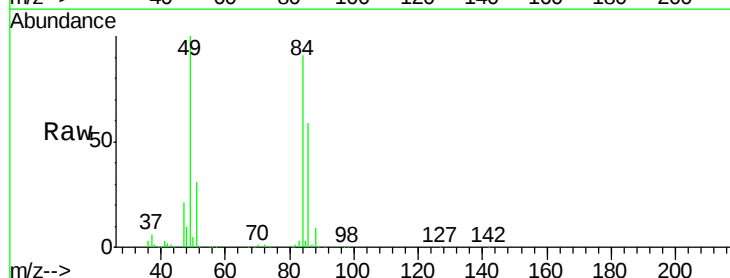
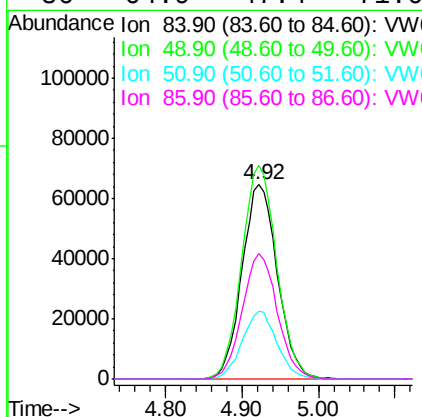
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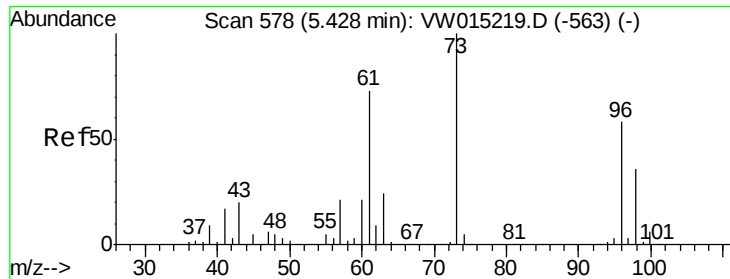
MMDadoda  
4/21/2020 10:01:25 AM



#20  
Methylene Chloride  
Concen: 76.876 ug/l  
RT: 4.92 min Scan# 495  
Delta R.T. 0.00 min  
Lab File: VW015220.D  
Acq: 20 Apr 2020 13:43

Tgt Ion: 84 Resp: 207842  
Ion Ratio Lower Upper  
84 100  
49 109.9 95.4 143.0  
51 34.6 29.8 44.8  
86 64.9 47.4 71.0





#21

trans-1,2-Dichloroethene

Concen: 89.510 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 228153

Ion Ratio Lower Upper

96 100

61 127.4 107.8 161.6

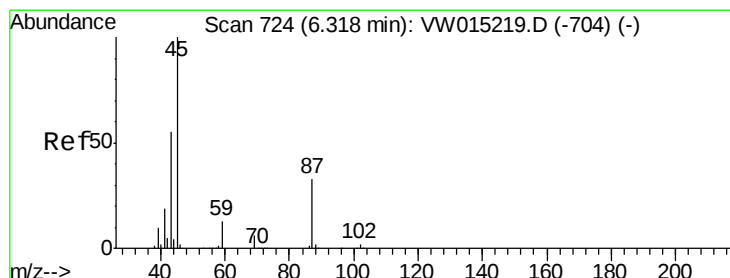
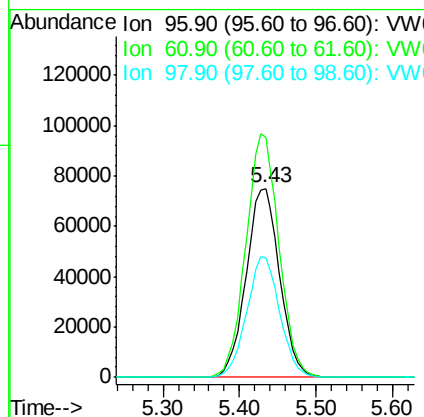
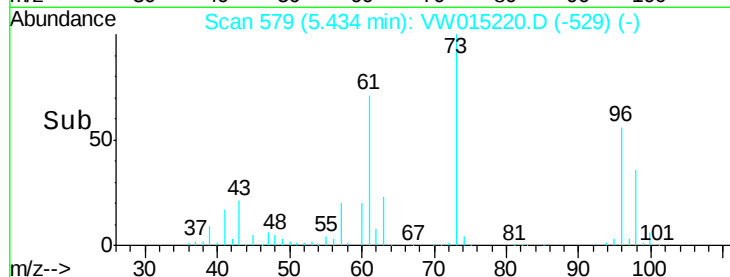
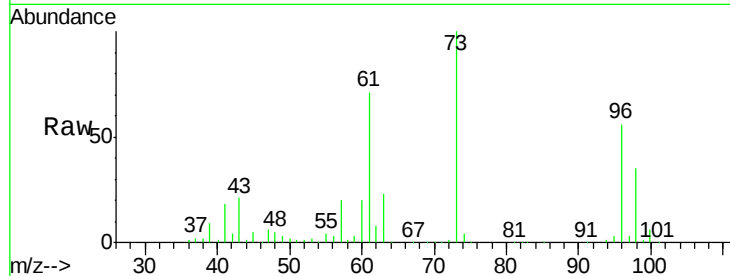
98 63.7 50.2 75.2

Manual Integrations

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MMDadoda

4/21/2020 10:01:25 AM



#22

Diisopropyl ether

Concen: 72.663 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Tgt Ion: 45 Resp: 523719

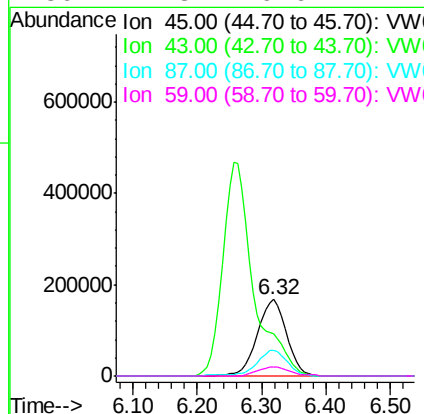
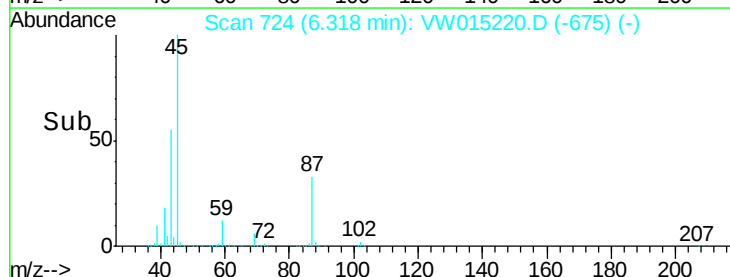
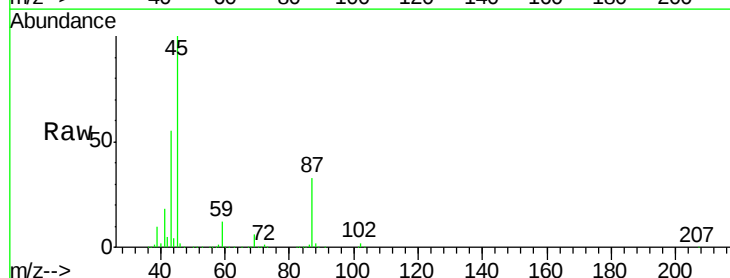
Ion Ratio Lower Upper

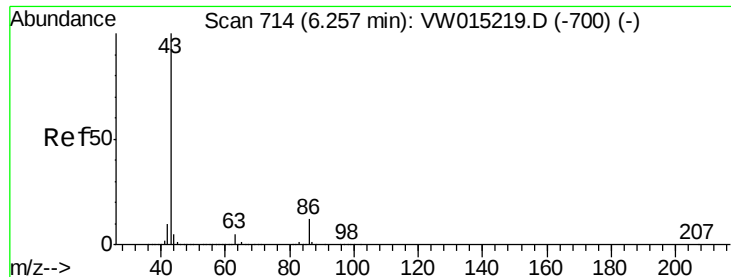
45 100

43 54.9 41.8 62.6

87 33.4 23.2 34.8

59 12.3 9.6 14.4





#23

Vinyl Acetate

Concen: 375.144 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA\_W

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 1570250

Ion Ratio Lower Upper

43 100

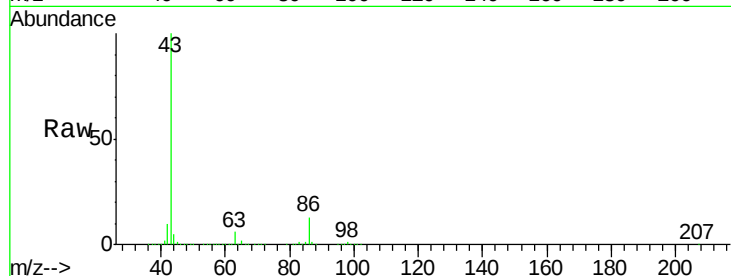
86 12.7 9.1 13.7

Manual Integrations

APPROVED

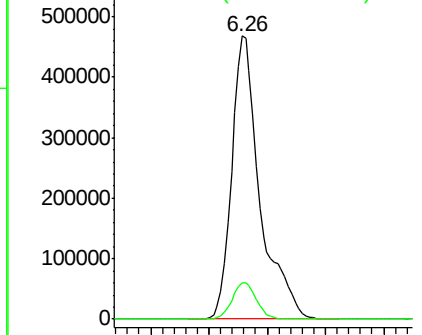
MMDadoda

4/21/2020 10:01:25 AM

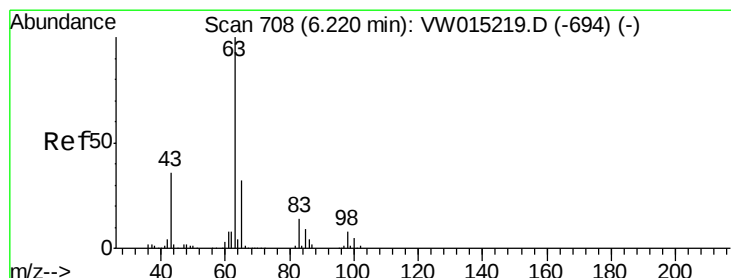
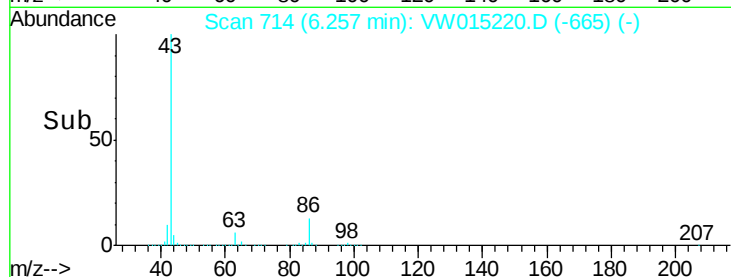


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 83.345 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

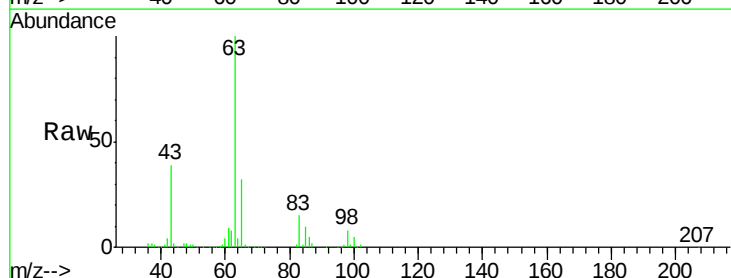
Tgt Ion: 63 Resp: 357144

Ion Ratio Lower Upper

63 100

98 8.1 3.6 10.9

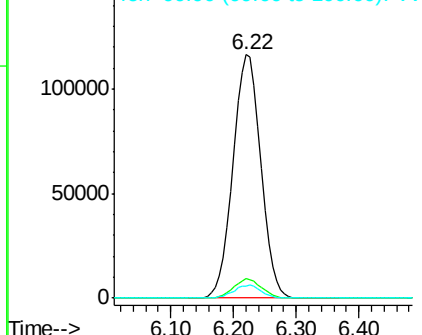
100 4.8 2.4 7.2



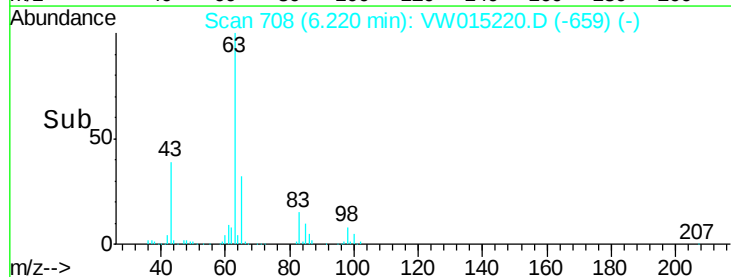
Abundance Ion 62.90 (62.60 to 63.60): VW

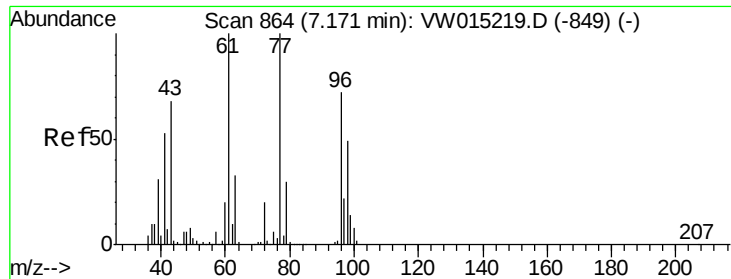
Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->





#25

2-Butanone

Concen: 396.783 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA\_W

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 247886

Ion Ratio Lower Upper

43 100

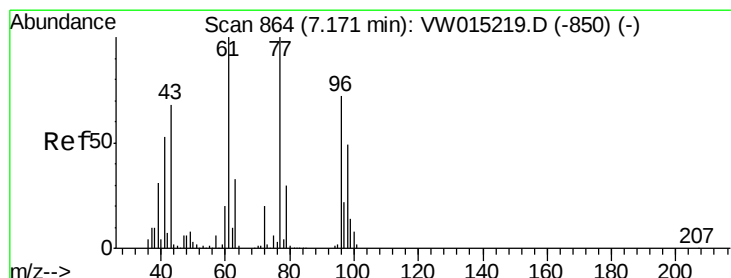
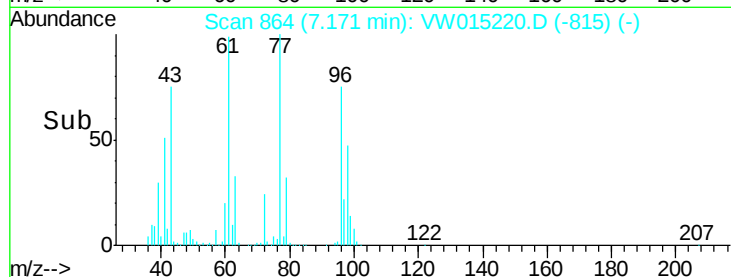
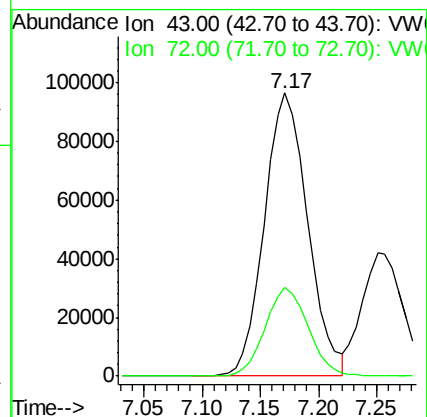
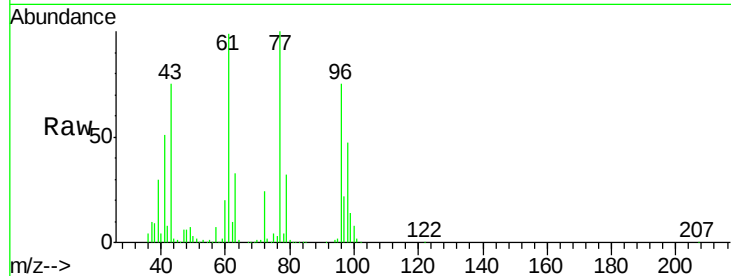
72 31.6 21.6 32.4

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4/21/2020 10:01:25 AM



#26

2,2-Dichloropropane

Concen: 127.797 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015220.D

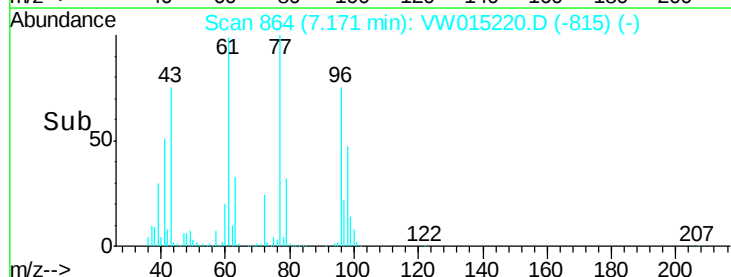
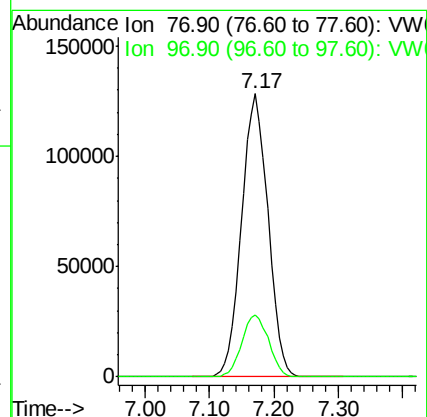
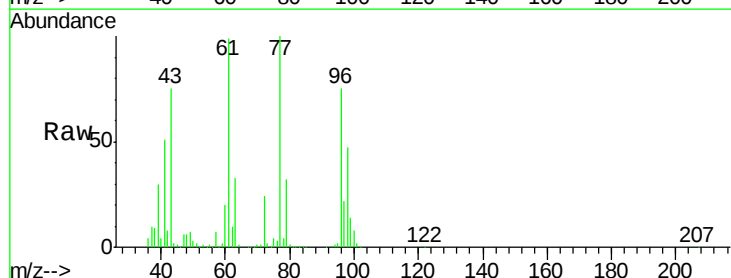
Acq: 20 Apr 2020 13:43

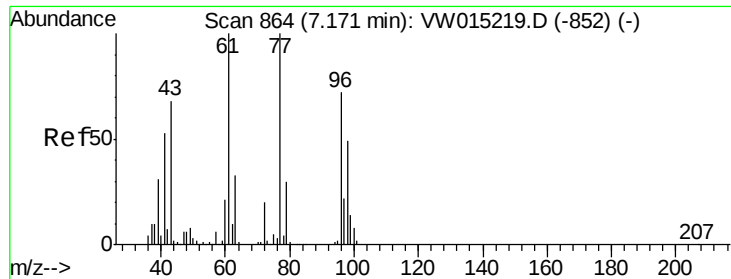
Tgt Ion: 77 Resp: 364460

Ion Ratio Lower Upper

77 100

97 22.3 11.9 35.5





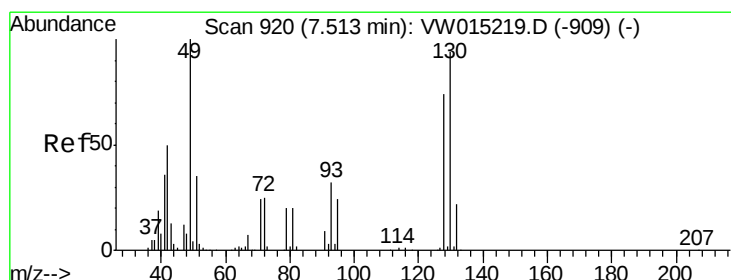
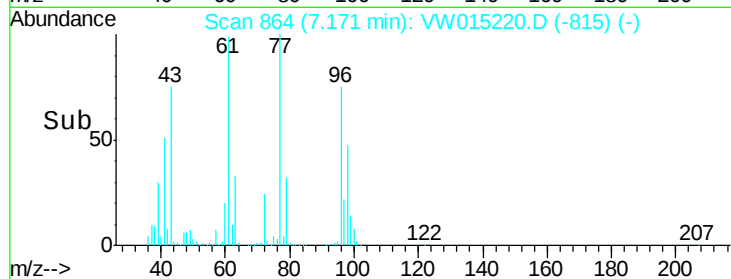
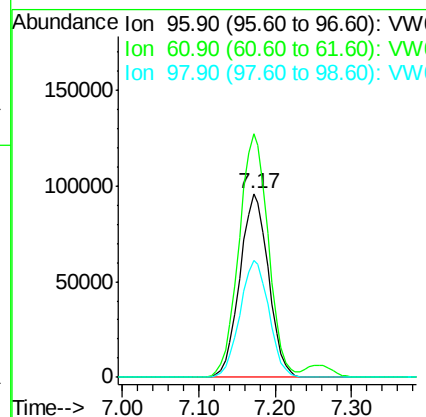
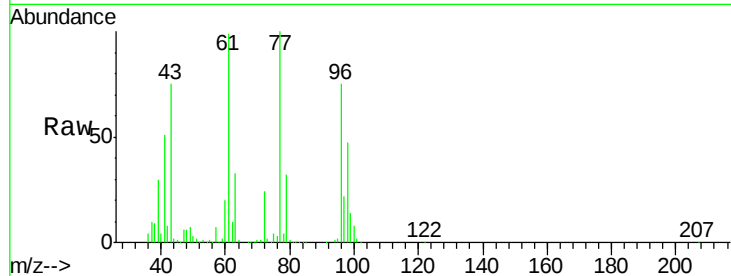
#27  
 cis-1,2-Dichloroethene  
 Concen: 90.637 ug/l  
 RT: 7.17 min Scan# 864  
 Delta R.T. 0.00 min  
 Lab File: VW015220.D  
 Acq: 20 Apr 2020 13:43

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 249049 |       |       |
| 61      | 135.7 | 0.0    | 275.0 |       |
| 98      | 64.2  | 0.0    | 130.8 |       |

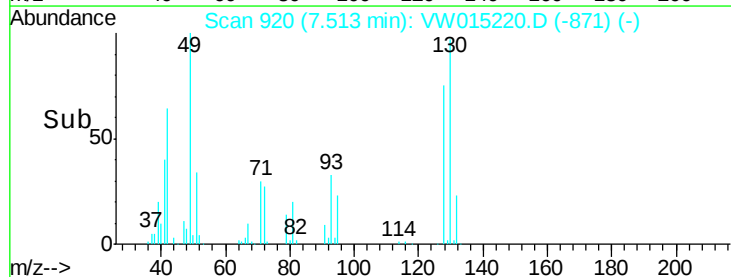
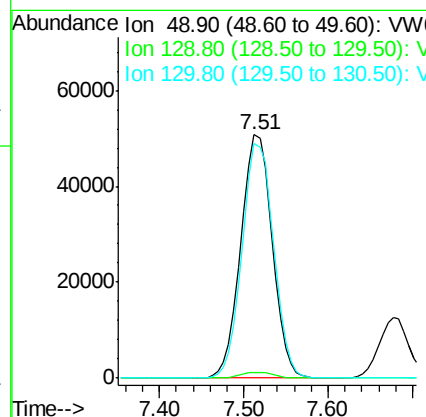
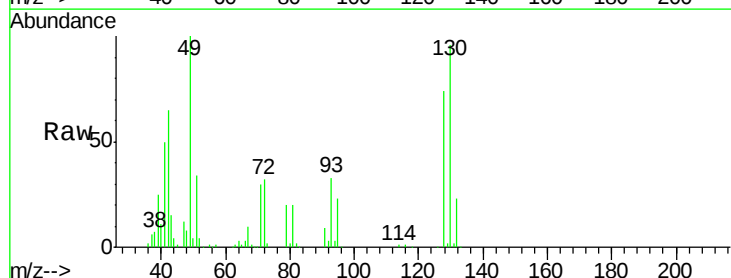
Manual Integrations  
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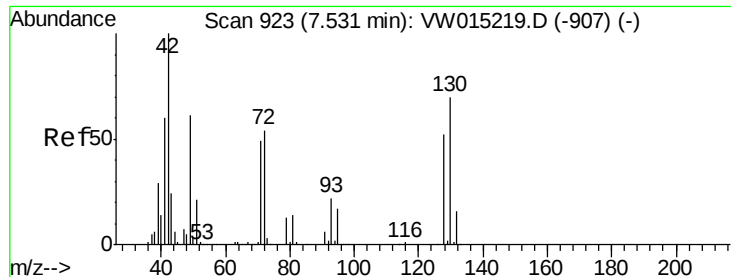
MMDadoda  
 4/21/2020 10:01:25 AM



#28  
 Bromochloromethane  
 Concen: 71.671 ug/l  
 RT: 7.51 min Scan# 920  
 Delta R.T. 0.00 min  
 Lab File: VW015220.D  
 Acq: 20 Apr 2020 13:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 128357 |       |       |
| 129     | 2.5   | 0.0    | 4.6   |       |
| 130     | 96.6  | 60.9   | 91.3# |       |





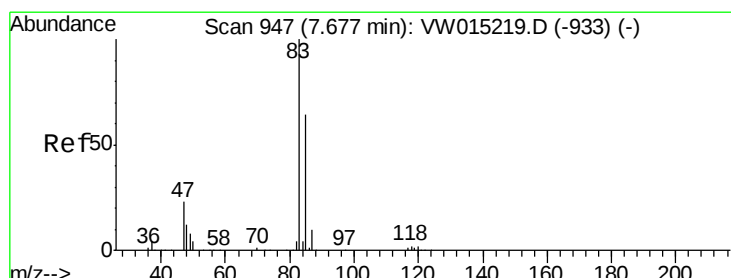
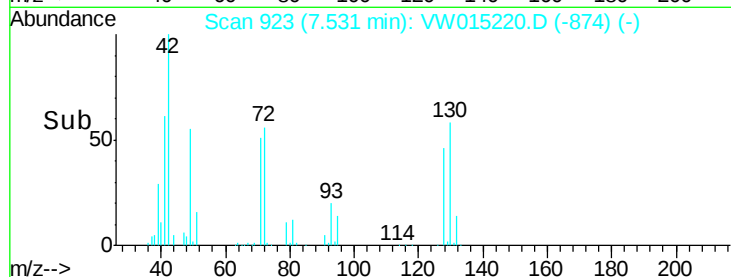
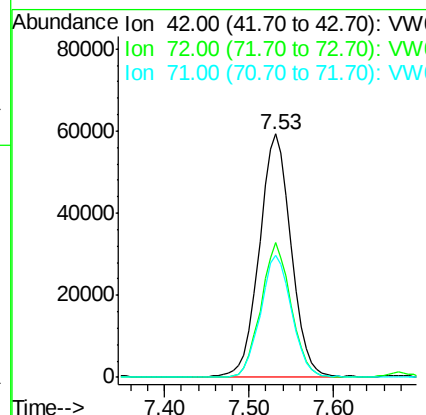
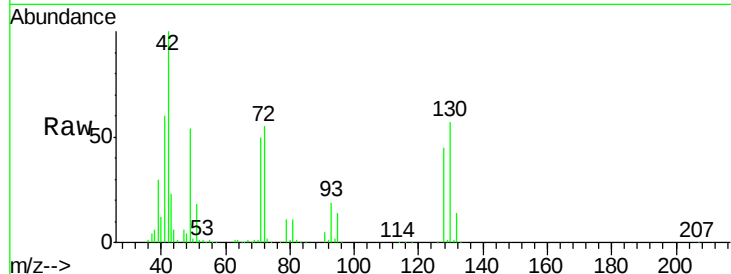
#29  
Tetrahydrofuran  
Concen: 372.408 ug/l  
RT: 7.53 min Scan# 923  
Delta R.T. 0.00 min  
Lab File: VW015220.D  
Acq: 20 Apr 2020 13:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 52.8  | 36.2  | 54.2  |
| 71      | 49.3  | 34.2  | 51.4  |

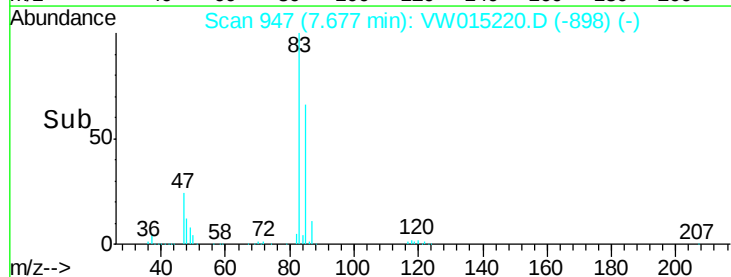
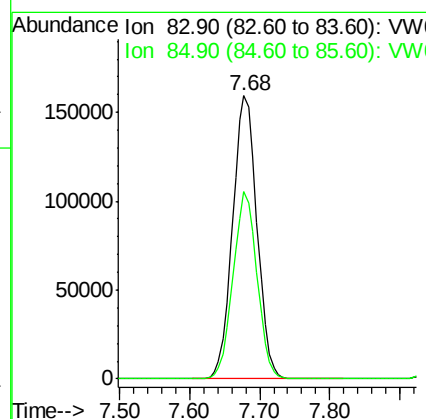
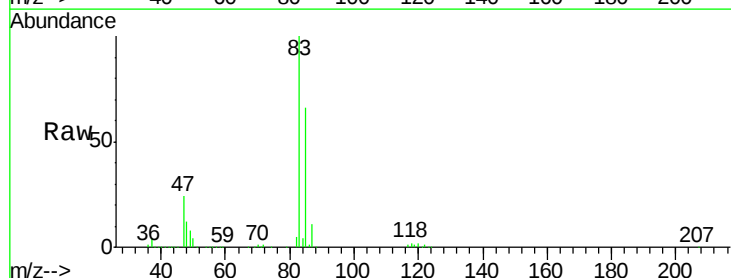
Manual Integrations  
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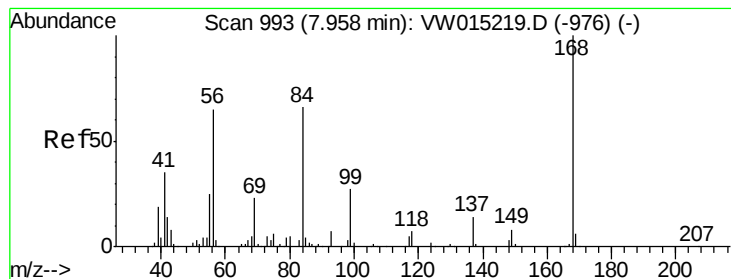
MMDadoda  
4/21/2020 10:01:25 AM



#30  
Chloroform  
Concen: 91.891 ug/l  
RT: 7.68 min Scan# 947  
Delta R.T. 0.00 min  
Lab File: VW015220.D  
Acq: 20 Apr 2020 13:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 66.1  | 50.9  | 76.3  |





#31

Cyclohexane

Concen: 70.232 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA\_W

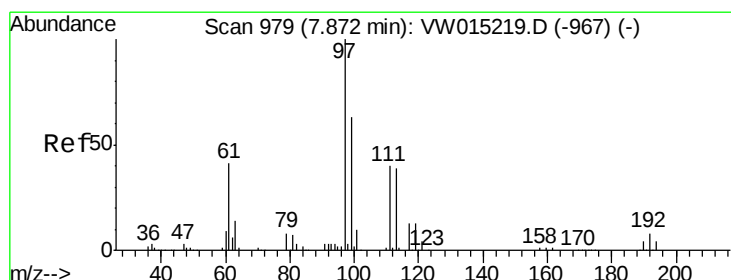
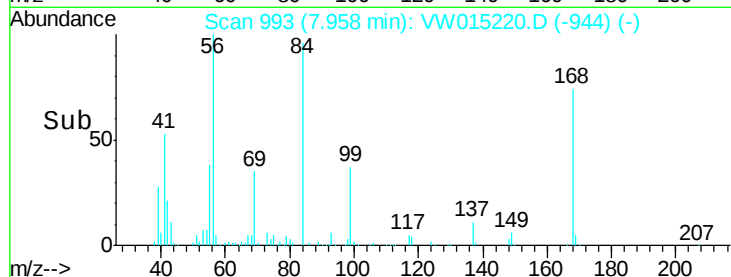
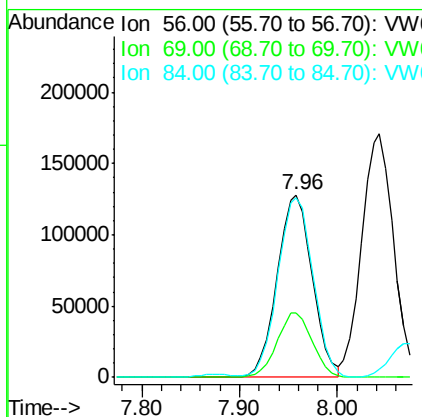
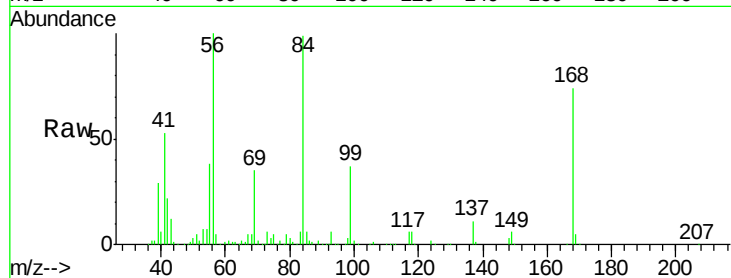
ClientSampleId :

VSTDIC100

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 56    | Resp: | 321693 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 35.0  | 27.1  | 40.7   |
| 84       | 98.2  | 71.9  | 107.9  |

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MMDadoda  
4/21/2020 10:01:25 AM



#32

1,1,1-Trichloroethane

Concen: 102.348 ug/l

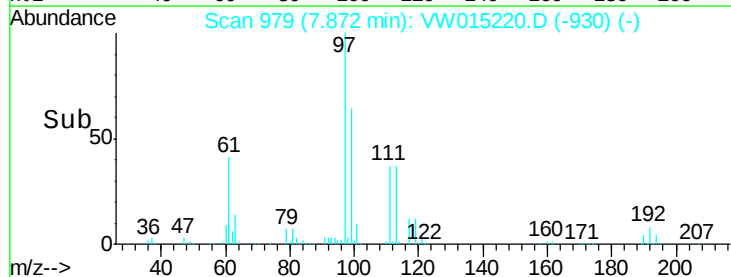
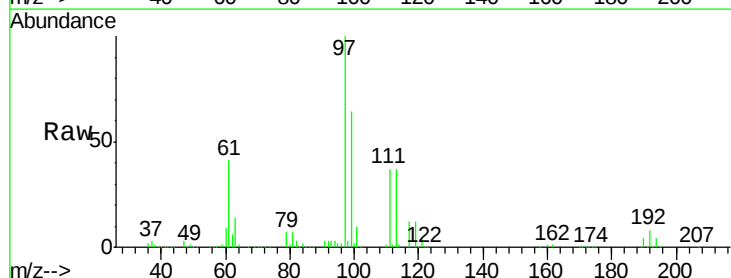
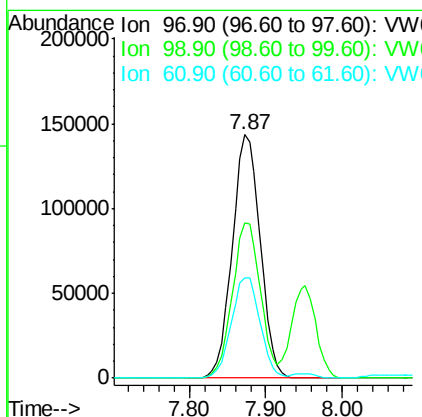
RT: 7.87 min Scan# 979

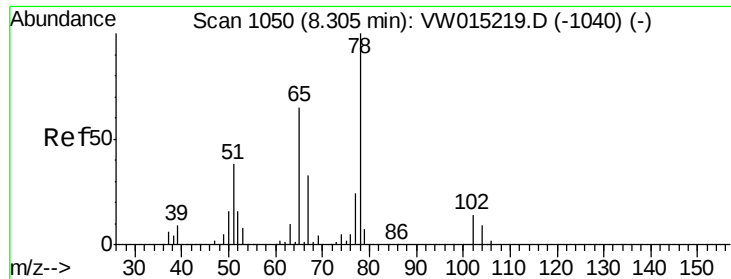
Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 361907 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 64.3  | 52.2  | 78.2   |
| 61       | 42.5  | 34.2  | 51.2   |





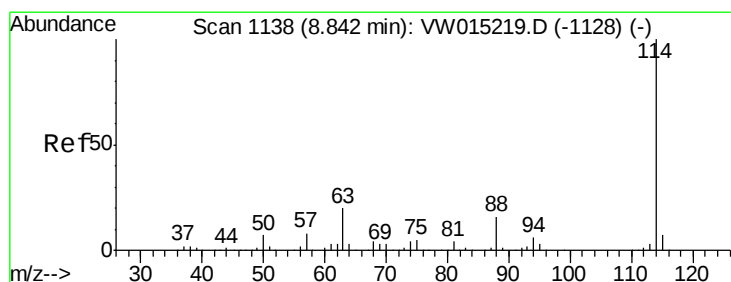
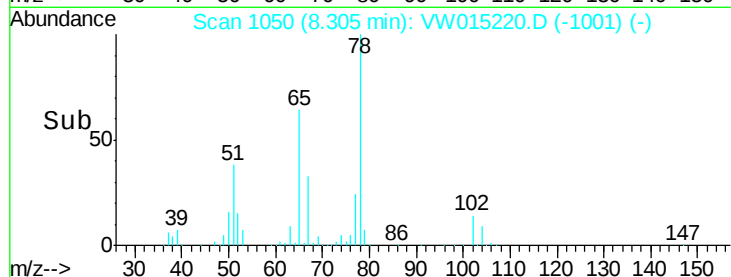
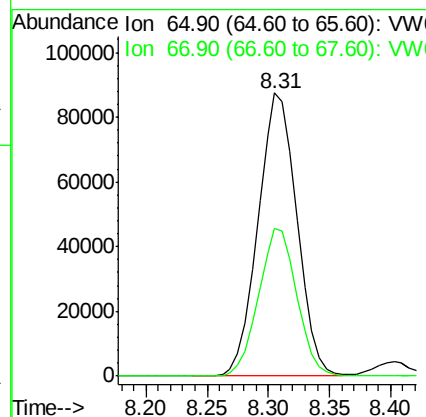
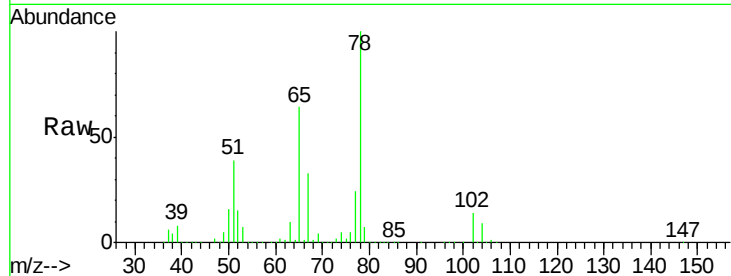
#33  
 1,2-Dichloroethane-d4  
 Concen: 88.088 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. 0.00 min  
 Lab File: VW015220.D  
 Acq: 20 Apr 2020 13:43

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 193079 |       |       |
| 67      | 51.6  | 0.0    | 107.0 |       |

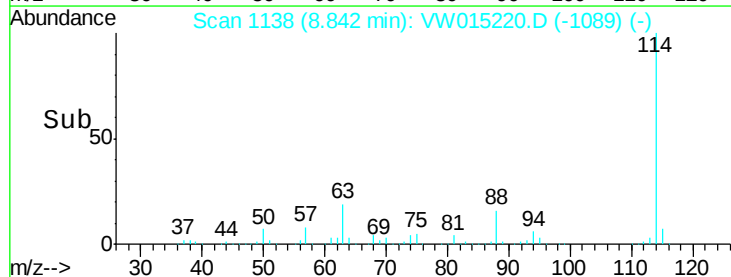
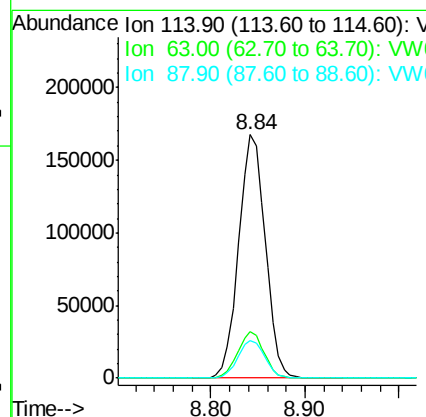
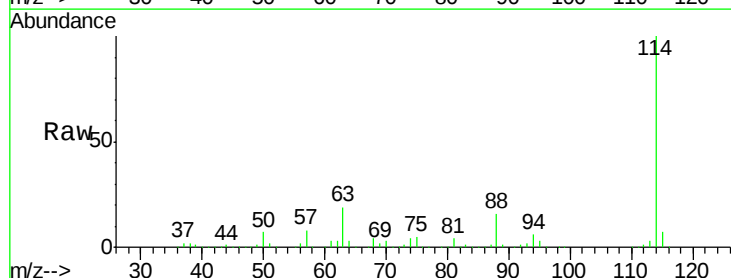
Manual Integrations  
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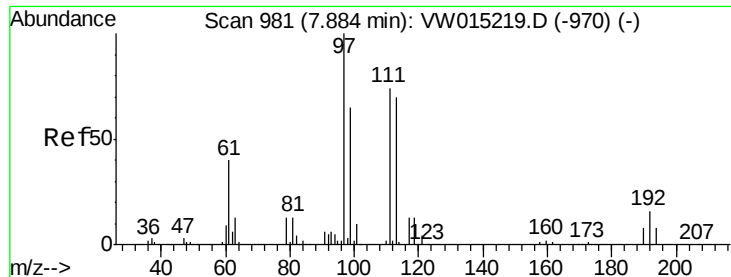
MMDadoda  
 4/21/2020 10:01:25 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW015220.D  
 Acq: 20 Apr 2020 13:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 330349 |       |       |
| 63      | 19.0  | 0.0    | 39.8  |       |
| 88      | 15.5  | 0.0    | 30.2  |       |





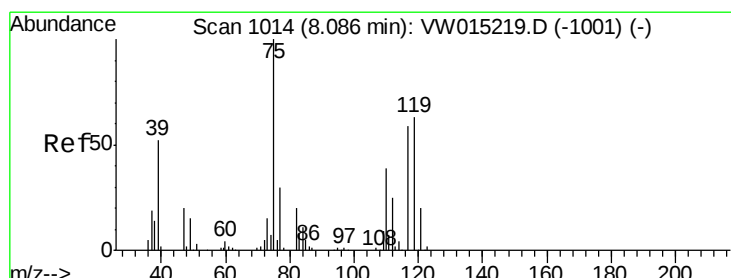
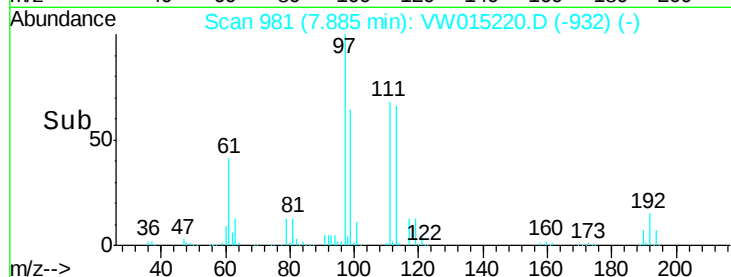
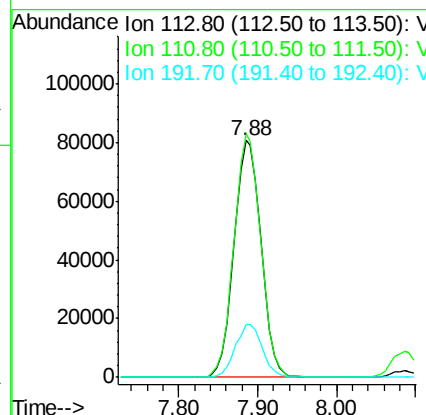
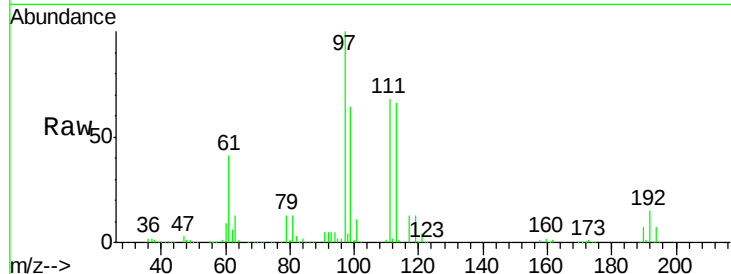
#35  
 Dibromofluoromethane  
 Concen: 105.250 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. 0.00 min  
 Lab File: VW015220.D  
 Acq: 20 Apr 2020 13:43

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 192276 |       |       |
| 111     | 101.8 | 83.0   | 124.4 |       |
| 192     | 22.3  | 15.1   | 22.7  |       |

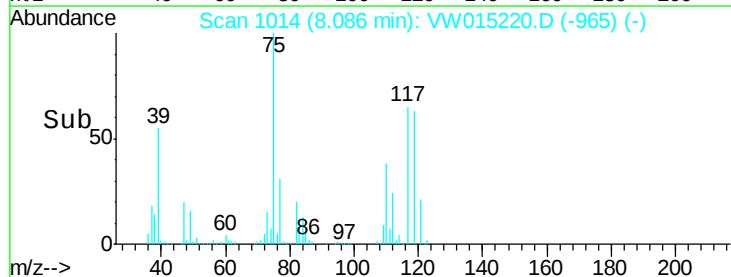
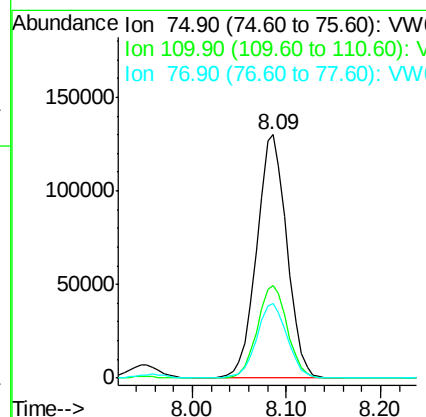
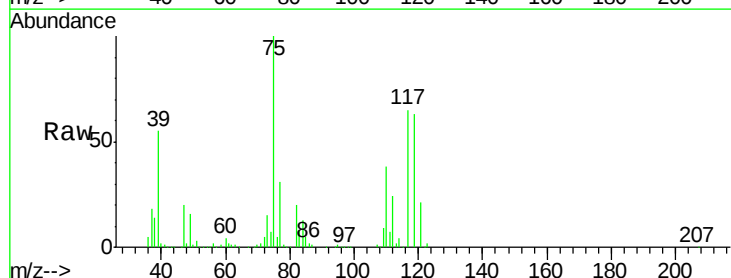
Manual Integrations  
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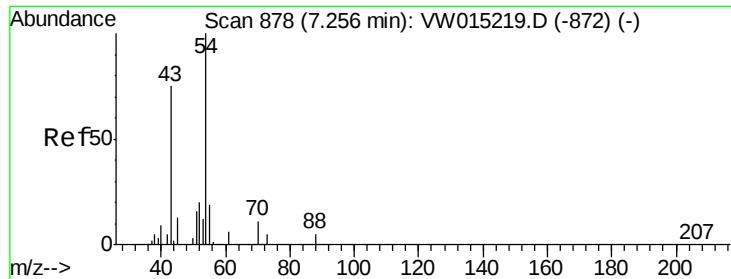
MMDadoda  
 4/21/2020 10:01:25 AM



#36  
 1,1-Dichloropropene  
 Concen: 99.136 ug/l  
 RT: 8.09 min Scan# 1014  
 Delta R.T. 0.00 min  
 Lab File: VW015220.D  
 Acq: 20 Apr 2020 13:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 292568 |       |       |
| 110     | 37.8  | 18.2   | 54.6  |       |
| 77      | 31.2  | 24.5   | 36.7  |       |





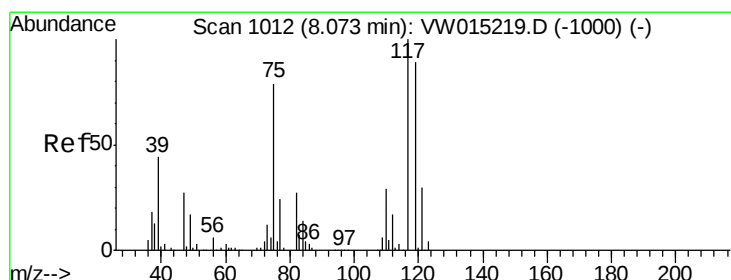
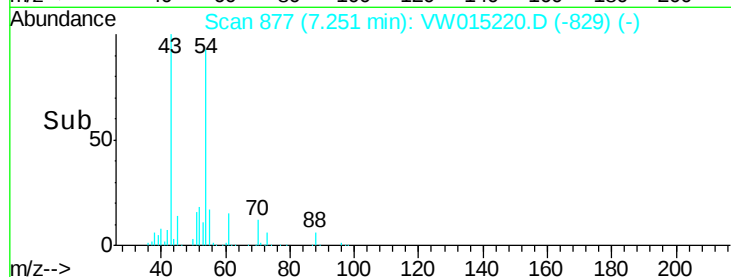
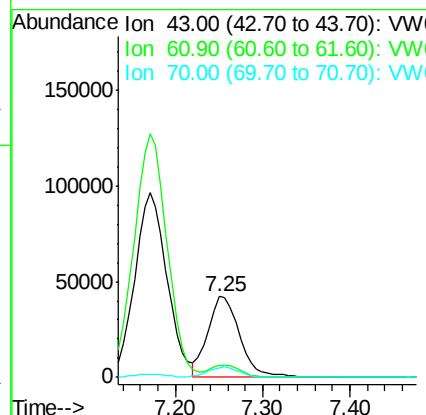
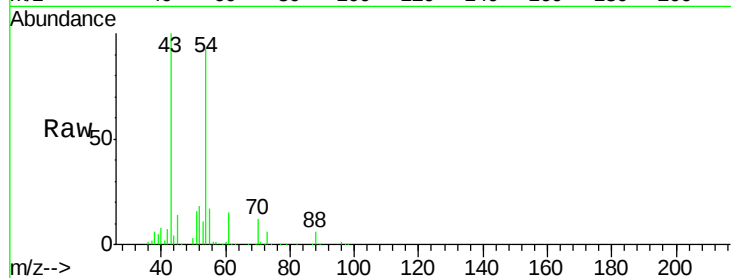
#37  
Ethyl Acetate  
Concen: 85.926 ug/l  
RT: 7.25 min Scan# 877  
Delta R.T. -0.01 min  
Lab File: VW015220.D  
Acq: 20 Apr 2020 13:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 15.5  | 11.9  | 17.9  |
| 70      | 13.0  | 8.8   | 13.2  |

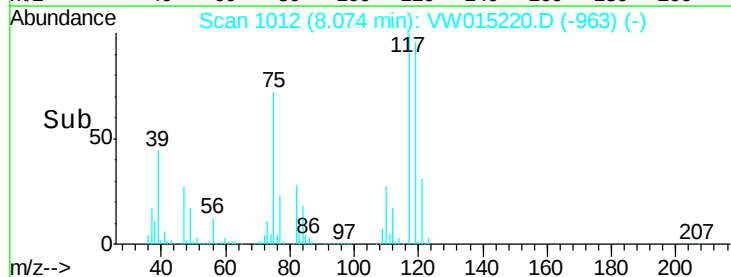
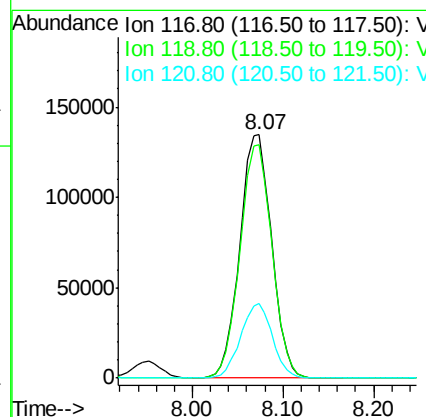
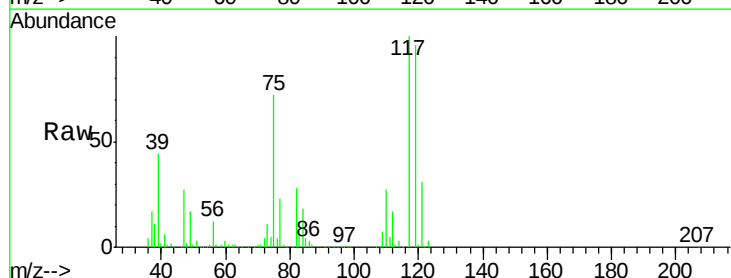
Manual Integrations  
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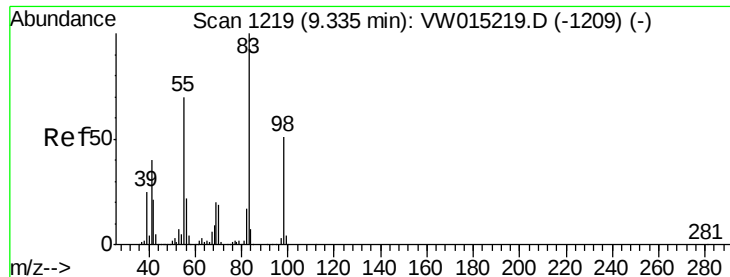
MMDadoda  
4/21/2020 10:01:25 AM



#38  
Carbon Tetrachloride  
Concen: 120.922 ug/l  
RT: 8.07 min Scan# 1012  
Delta R.T. 0.00 min  
Lab File: VW015220.D  
Acq: 20 Apr 2020 13:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.9  | 72.3  | 108.5 |
| 121     | 30.7  | 23.7  | 35.5  |





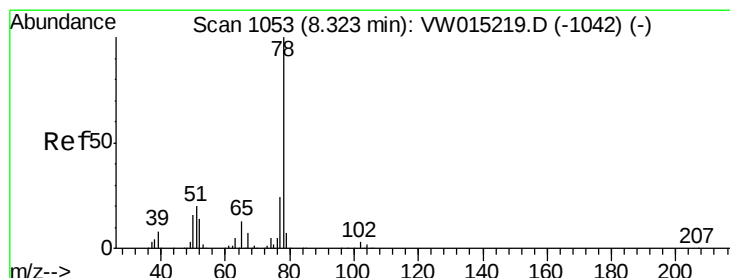
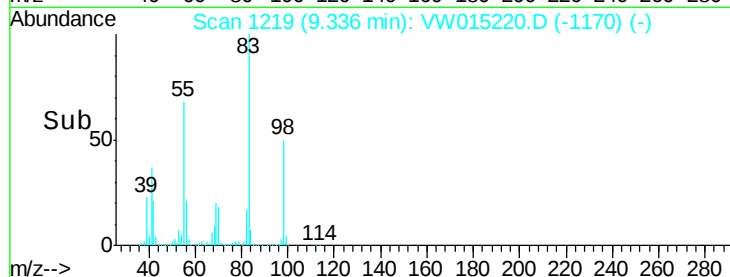
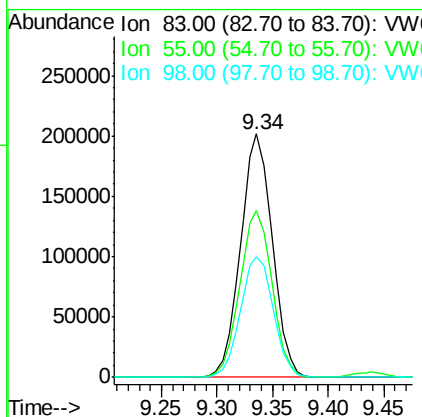
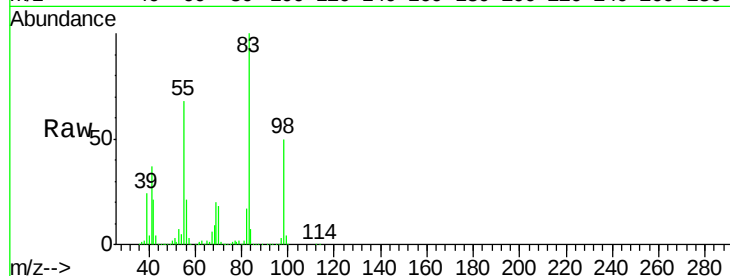
#39  
Methvlcvclohexane  
Concen: 100.802 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. 0.00 min  
Lab File: VW015220.D  
Acq: 20 Apr 2020 13:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 68.2  | 58.1  | 87.1  |
| 98      | 49.8  | 40.2  | 60.4  |

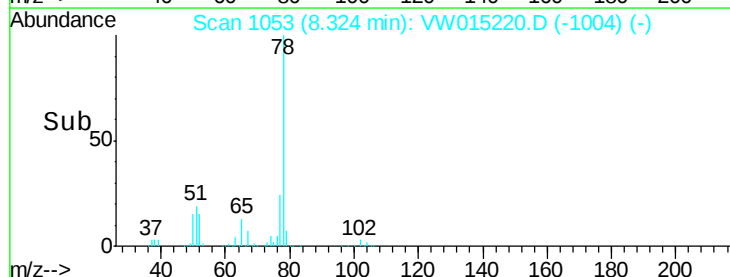
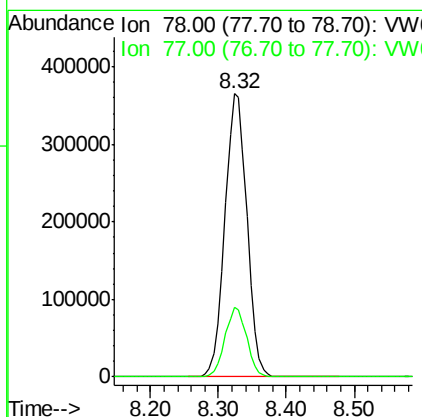
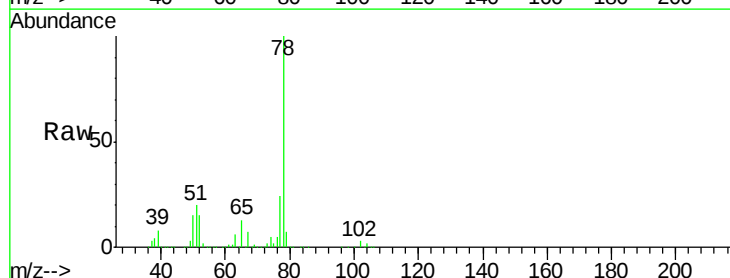
Manual Integrations  
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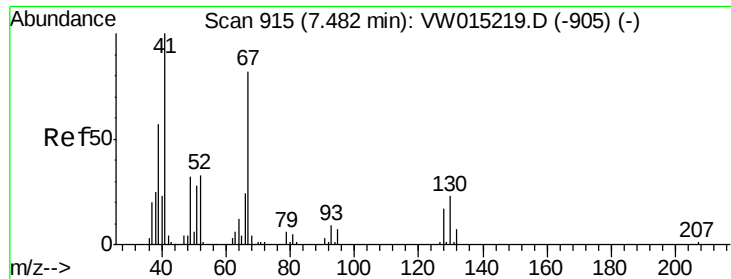
MMDadoda  
4/21/2020 10:01:25 AM



#40  
Benzene  
Concen: 97.409 ug/l  
RT: 8.32 min Scan# 1053  
Delta R.T. 0.00 min  
Lab File: VW015220.D  
Acq: 20 Apr 2020 13:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.5  | 18.2  | 27.2  |





#41

Methacrylonitrile

Concen: 83.205 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA\_W

ClientSampled :

VSTDIC100

Tot Ion: 41 Resp: 60469

Ion Ratio Lower Upper

41 100

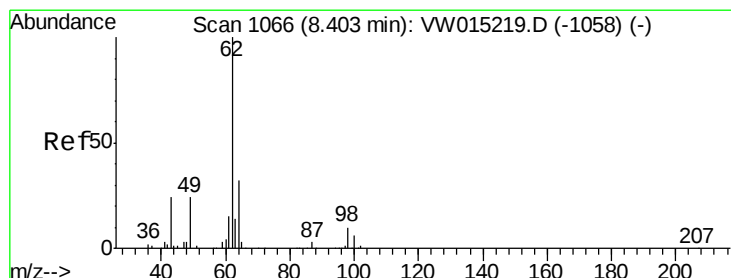
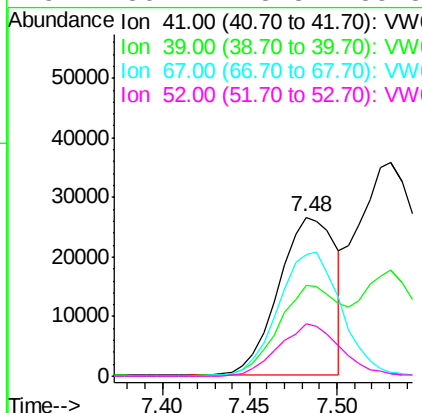
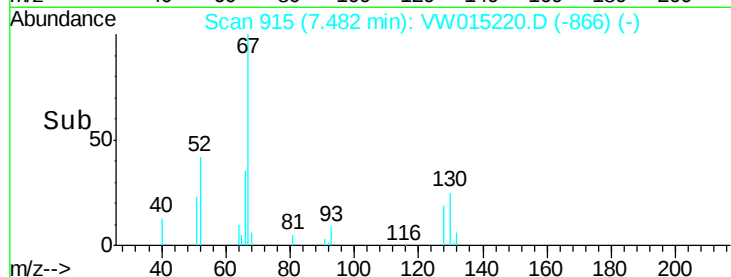
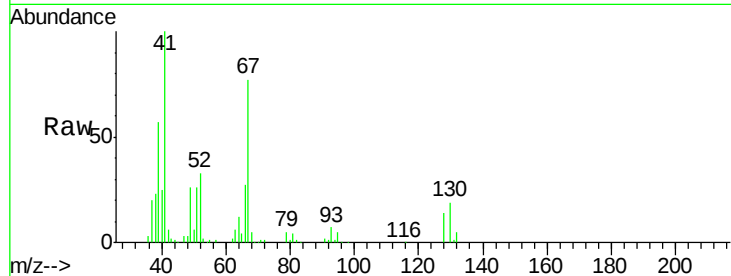
39 63.9 41.9 62.9#

67 86.9 60.6 91.0

52 36.4 23.8 35.8#

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4/21/2020 10:01:25 AM



#42

1,2-Dichloroethane

Concen: 116.067 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW015220.D

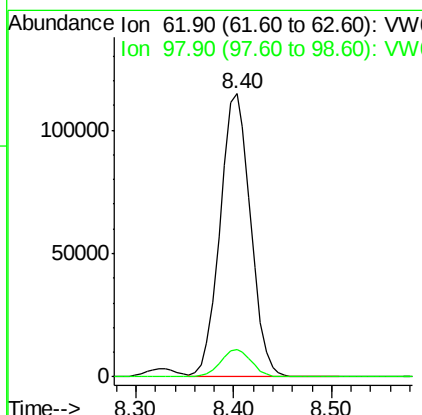
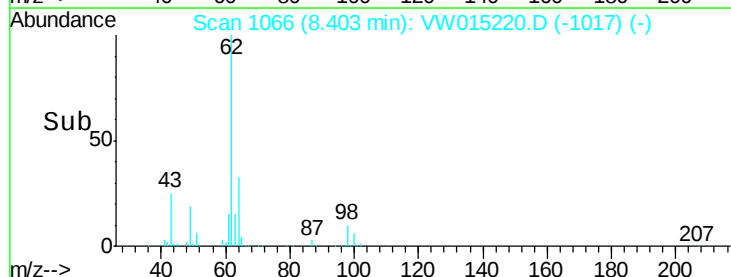
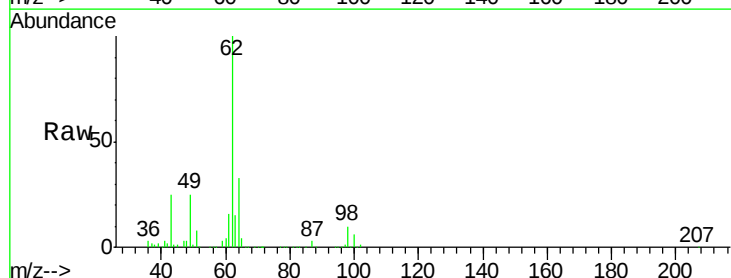
Acq: 20 Apr 2020 13:43

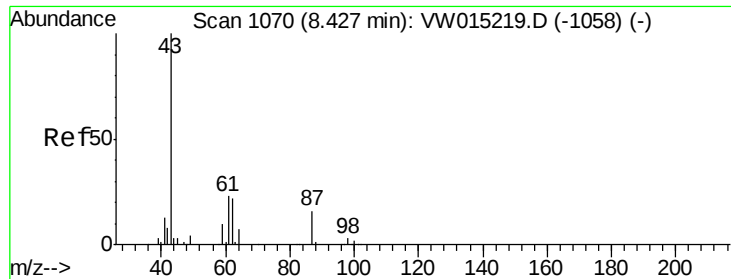
Tgt Ion: 62 Resp: 246857

Ion Ratio Lower Upper

62 100

98 9.9 0.0 20.4





#43

Isopropyl Acetate

Concen: 91.441 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA\_W

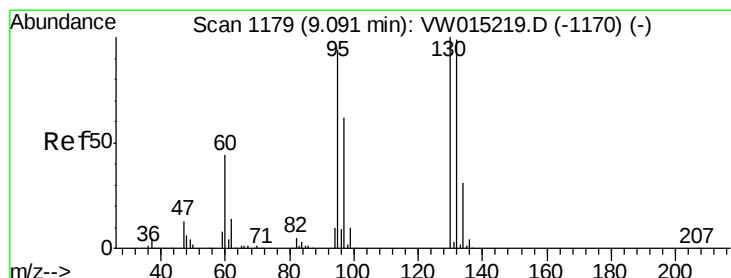
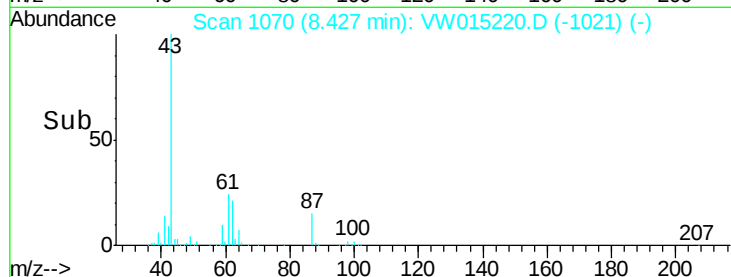
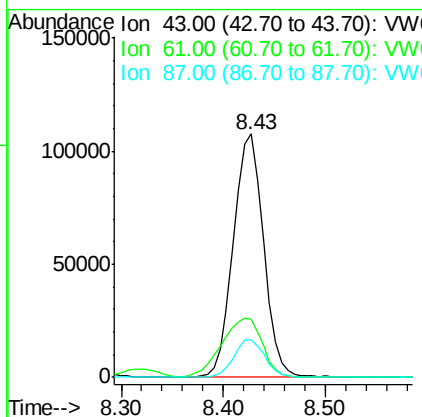
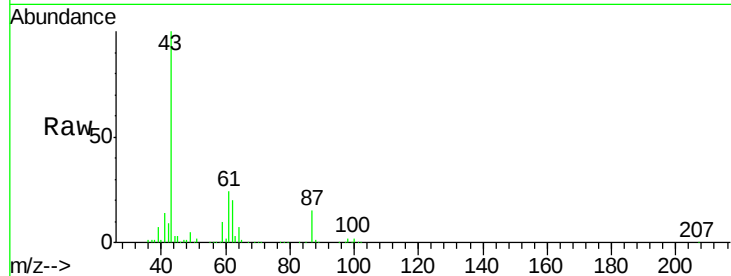
ClientSampleId :

VSTDIC100

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 219487 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 33.0  | 24.8  | 37.2   |
| 87       | 15.9  | 11.4  | 17.2   |

Manual Integrations  
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#44

Trichloroethene

Concen: 111.672 ug/l

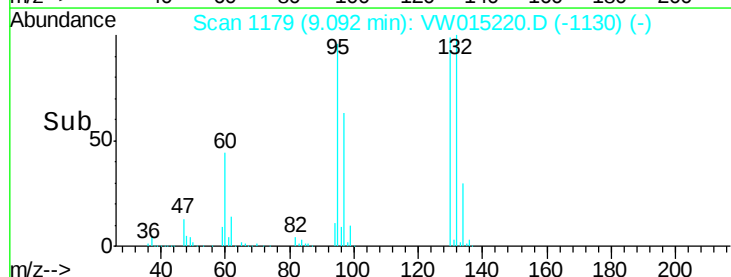
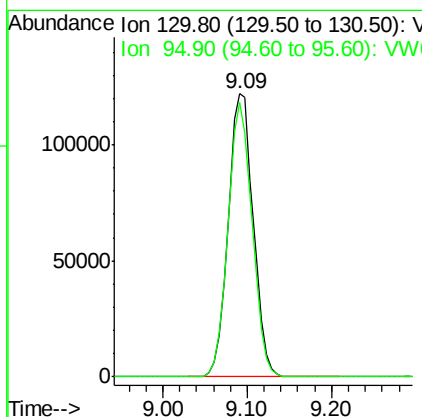
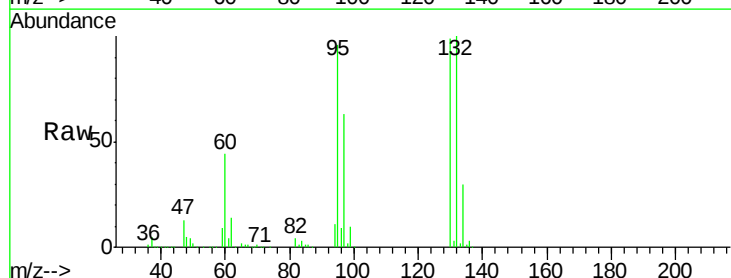
RT: 9.09 min Scan# 1179

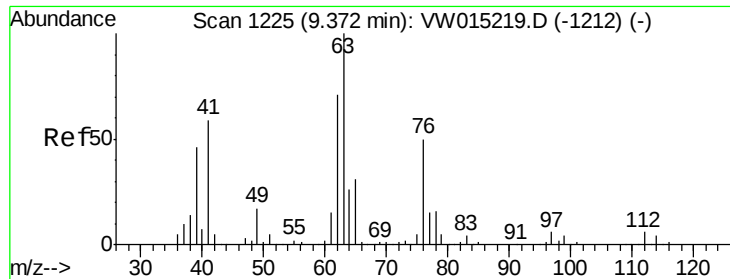
Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 245892 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 96.9  | 0.0   | 196.4  |





#45

1,2-Dichloropropane

Concen: 91.877 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA\_W

ClientSampled :

VSTDIC100

Tot Ion: 63 Resp: 189429

Ion Ratio Lower Upper

63 100

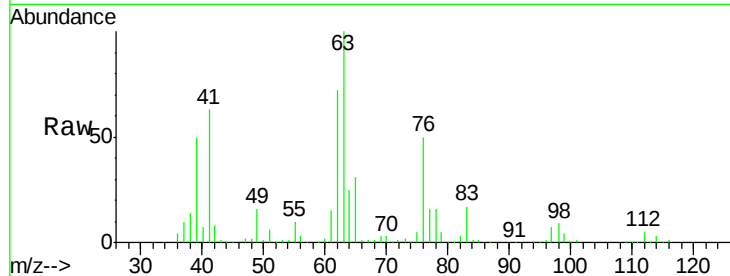
65 31.1 25.5 38.3

Manual Integrations

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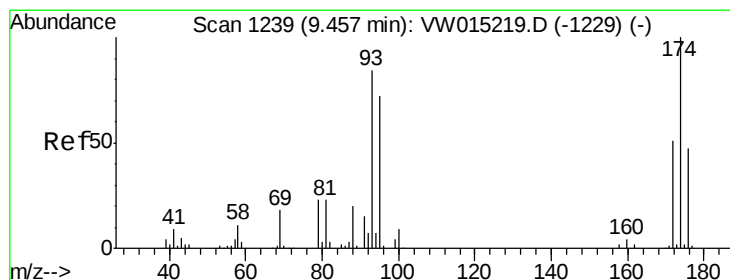
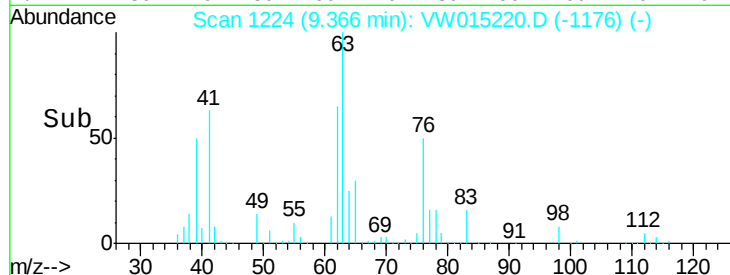
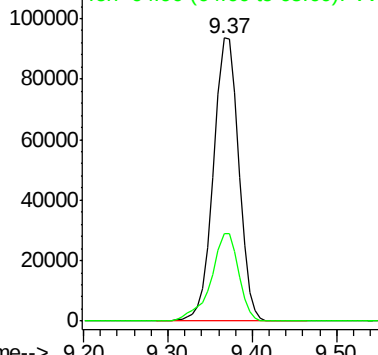
MMDadoda

4/21/2020 10:01:25 AM



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 109.421 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

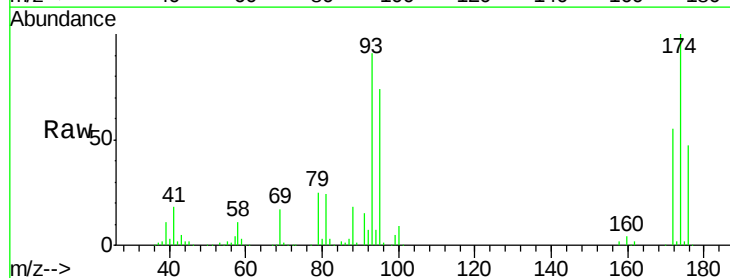
Tgt Ion: 93 Resp: 112747

Ion Ratio Lower Upper

93 100

95 82.6 67.5 101.3

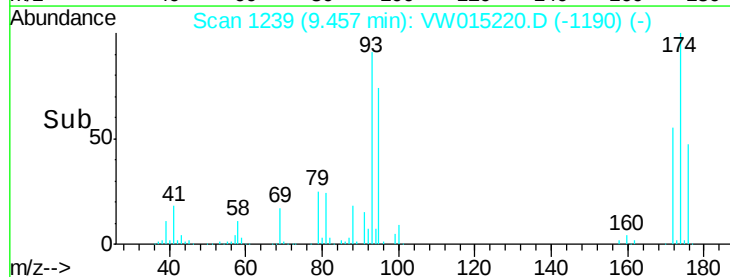
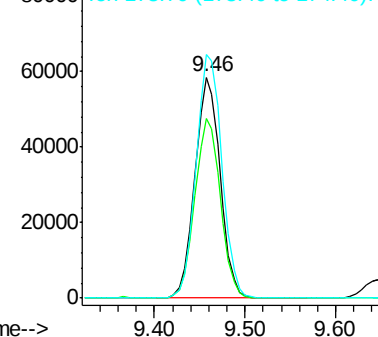
174 112.5 74.1 111.1#

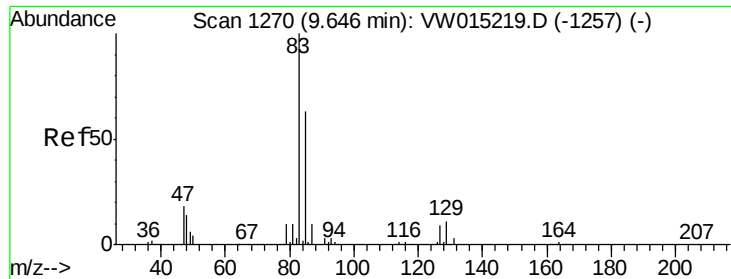


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





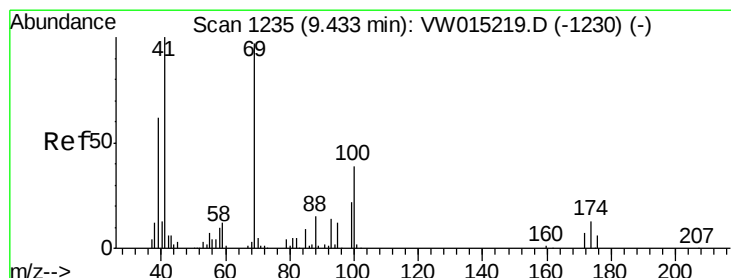
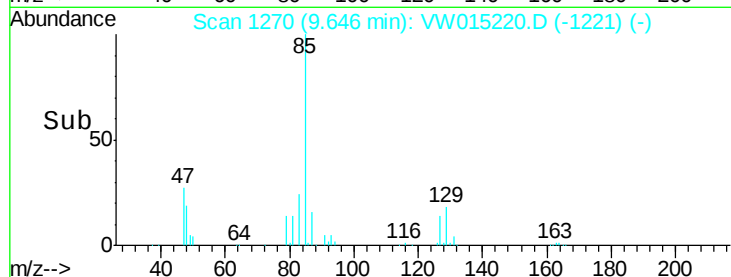
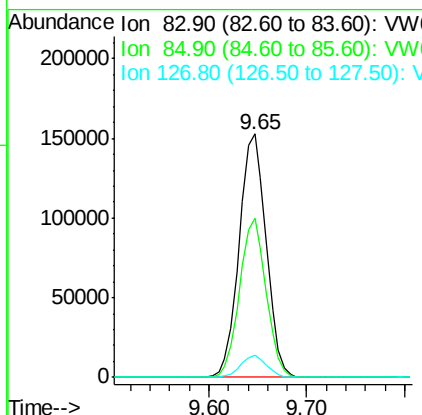
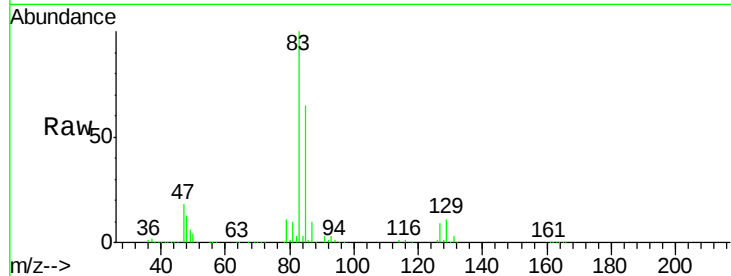
#47  
Bromodichloromethane  
Concen: 109.092 ug/l  
RT: 9.65 min Scan# 1270  
Delta R.T. 0.00 min  
Lab File: VW015220.D  
Acq: 20 Apr 2020 13:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 291448 |       |       |
| 85      | 65.2  |        | 50.6  | 76.0  |
| 127     | 9.3   |        | 6.7   | 10.1  |

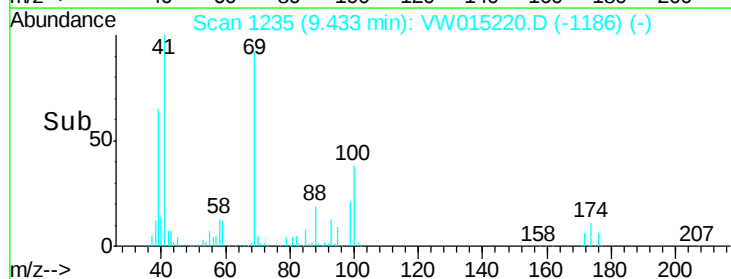
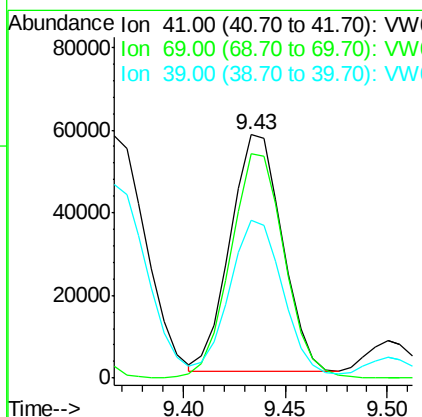
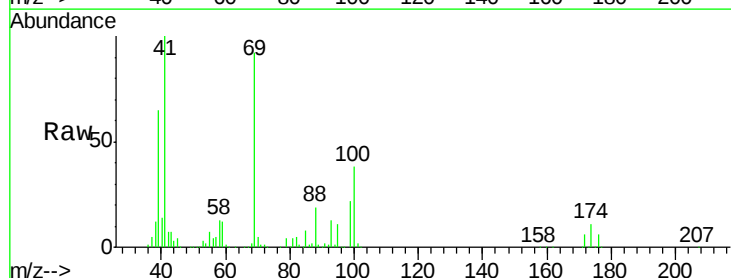
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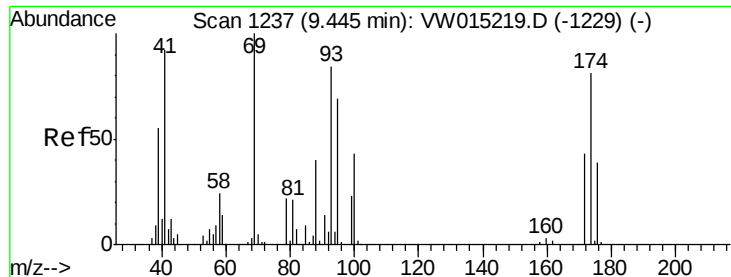
MMDadoda  
4/21/2020 10:01:25 AM



#48  
Methyl methacrylate  
Concen: 90.479 ug/l  
RT: 9.43 min Scan# 1235  
Delta R.T. 0.00 min  
Lab File: VW015220.D  
Acq: 20 Apr 2020 13:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 41      | 100   | 101580 |       |       |
| 69      | 98.1  |        | 70.6  | 105.8 |
| 39      | 64.9  |        | 42.6  | 64.0# |





#49

1,4-Dioxane

Concen: 2153.688 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA\_W

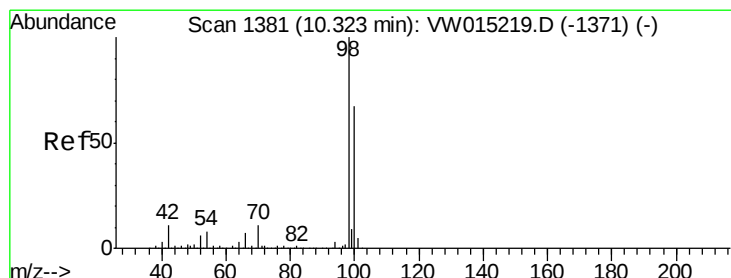
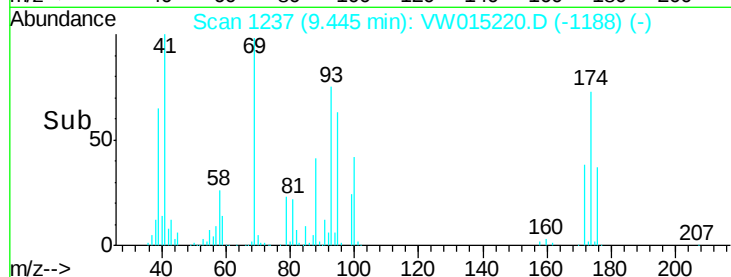
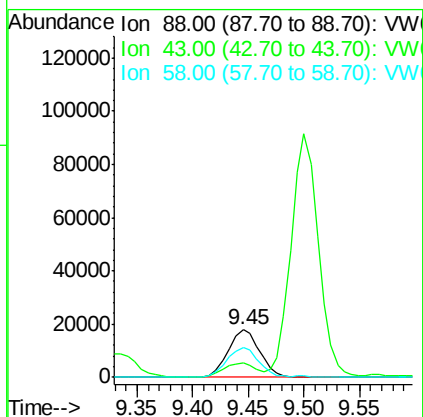
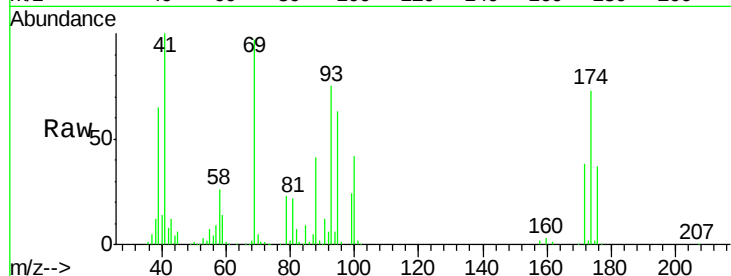
ClientSampleId :

VSTDIC100

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 88    | Resp: | 35207 |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 28.9  | 23.5  | 35.3  |
| 58       | 63.4  | 55.4  | 83.2  |

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4/21/2020 10:01:25 AM



#50

Toluene-d8

Concen: 103.473 ug/l

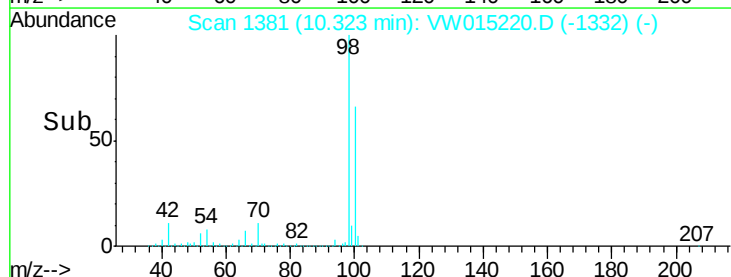
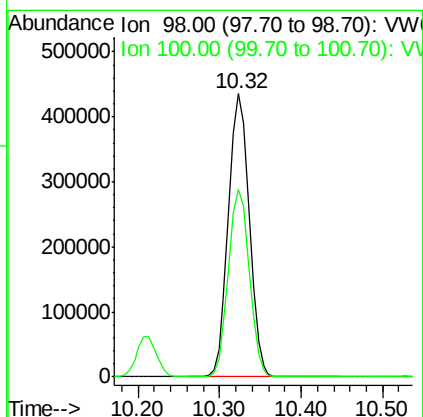
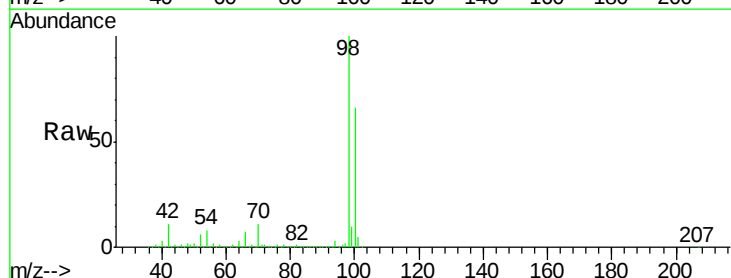
RT: 10.32 min Scan# 1381

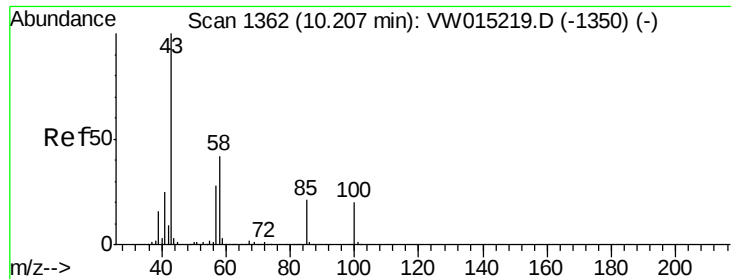
Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 767877 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 66.2  | 52.9  | 79.3   |





#51

4-Methyl-2-Pentanone

Concen: 414.727 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 526501

Ion Ratio Lower Upper

43 100

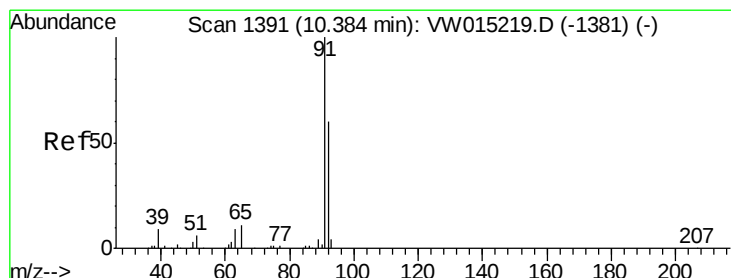
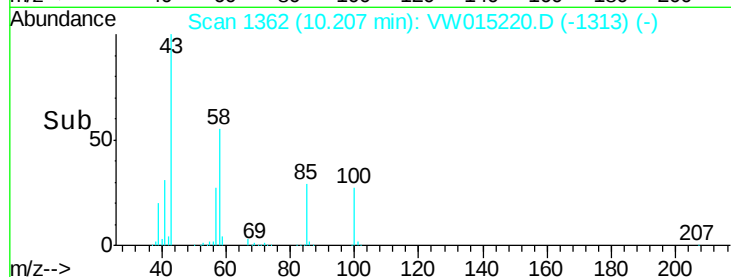
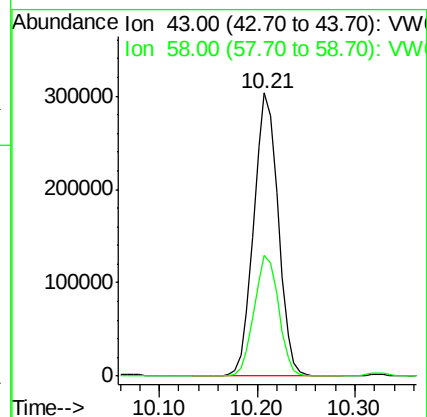
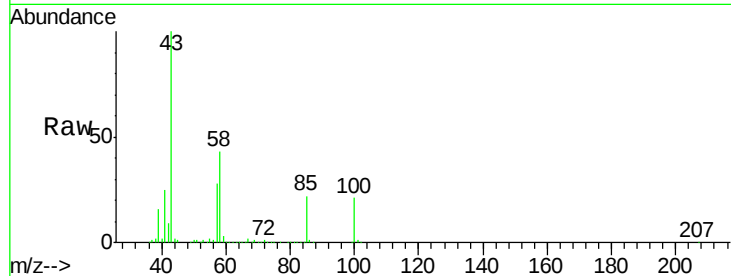
58 43.0 32.3 48.5

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#52

Toluene

Concen: 107.917 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW015220.D

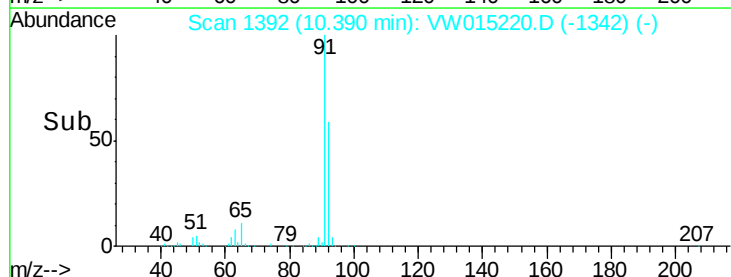
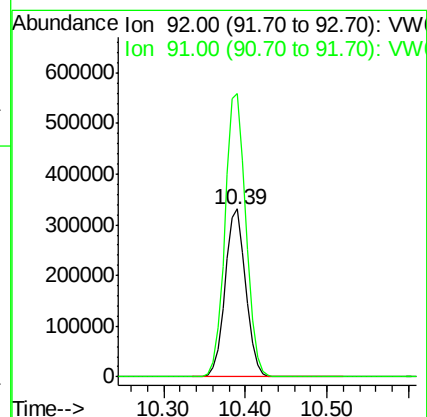
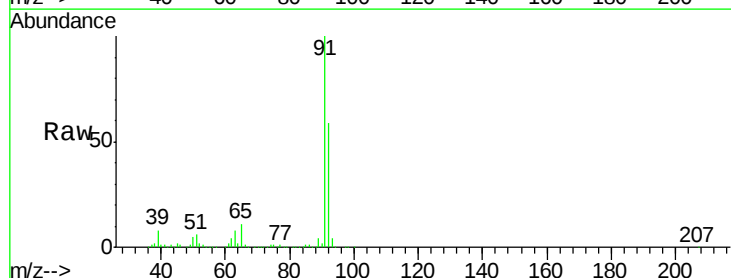
Acq: 20 Apr 2020 13:43

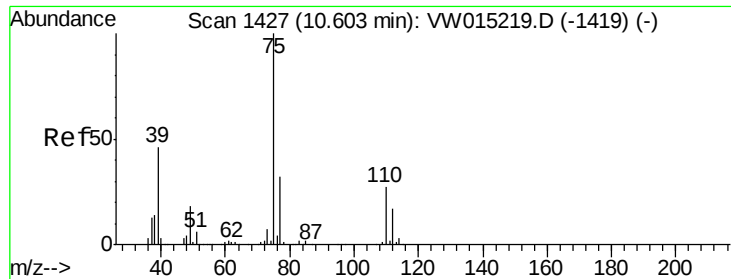
Tgt Ion: 92 Resp: 578859

Ion Ratio Lower Upper

92 100

91 171.2 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 110.391 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 300050

Ion Ratio Lower Upper

75 100

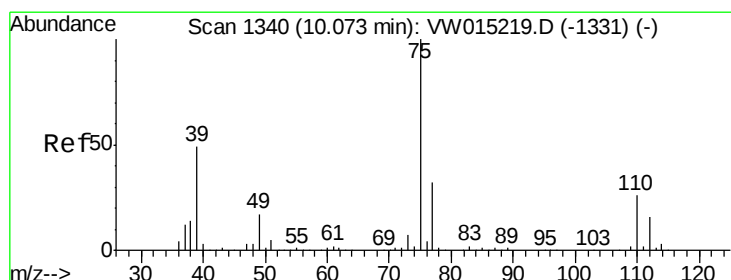
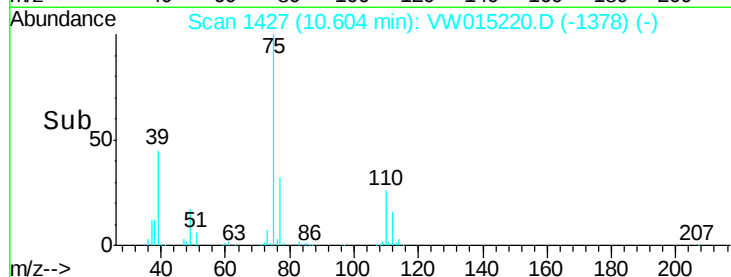
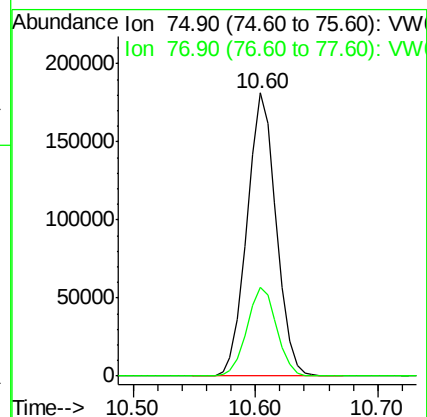
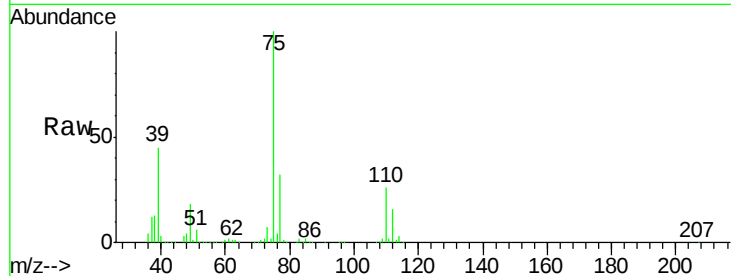
77 31.5 25.5 38.3

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#54

cis-1,3-Dichloropropene

Concen: 103.805 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

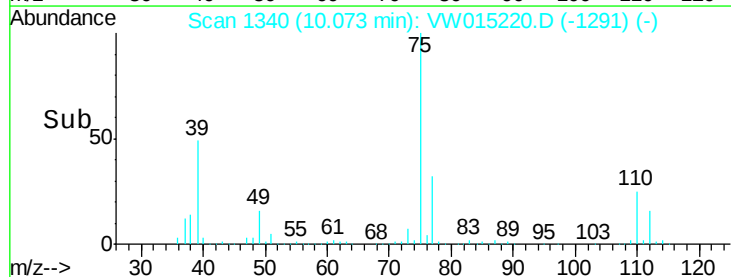
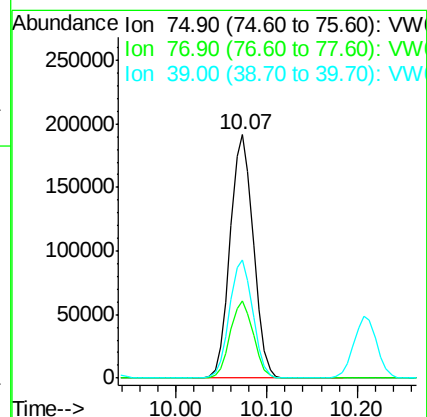
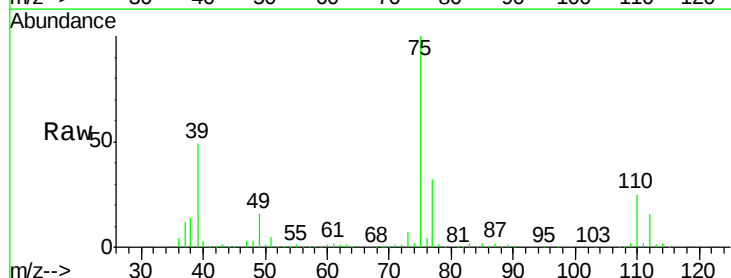
Tgt Ion: 75 Resp: 340387

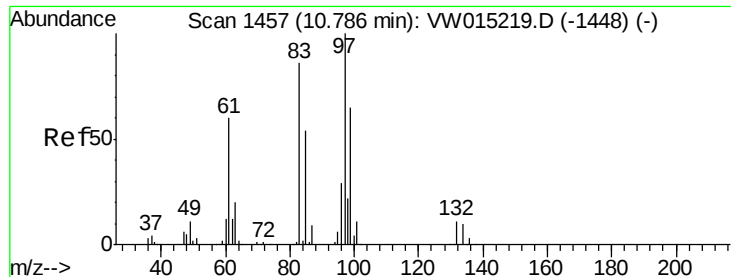
Ion Ratio Lower Upper

75 100

77 32.0 26.6 39.8

39 48.7 37.8 56.6





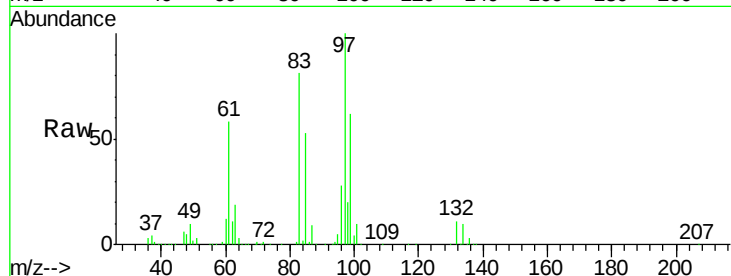
#55  
 1,1,2-Trichloroethane  
 Concen: 107.201 ug/l  
 RT: 10.79 min Scan# 1457  
 Delta R.T. 0.00 min  
 Lab File: VW015220.D  
 Acq: 20 Apr 2020 13:43

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VSTDIC100

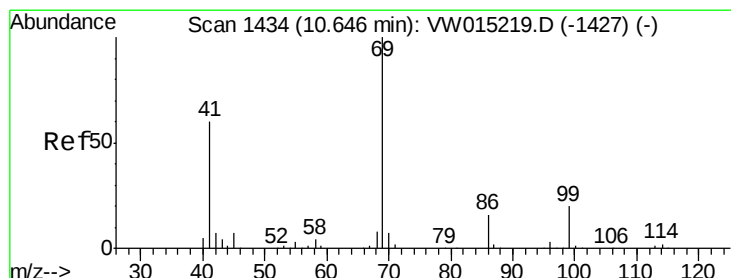
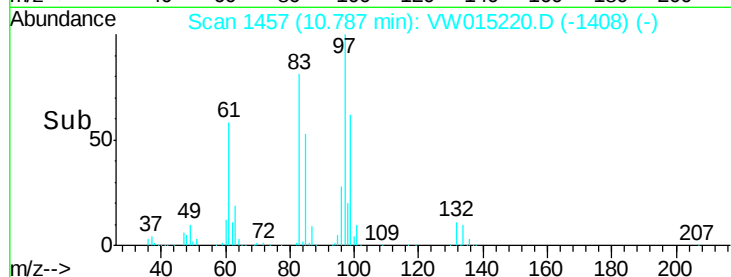
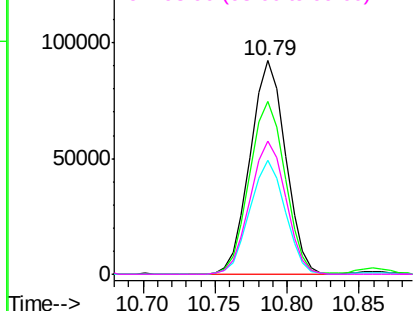
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 156514 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 80.8  | 67.3  | 100.9  |
| 85       | 53.3  | 43.8  | 65.8   |
| 99       | 62.1  | 51.4  | 77.0   |

Manual Integrations  
 APPROVED

MMDadoda  
 4/21/2020 10:01:25 AM

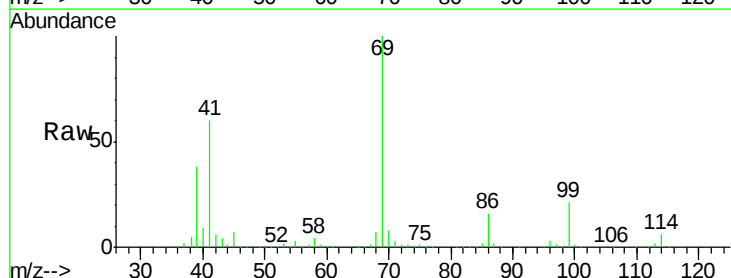


Abundance Ion 96.90 (96.60 to 97.60): VW  
 Ion 82.90 (82.60 to 83.60): VW  
 Ion 84.90 (84.60 to 85.60): VW  
 Ion 98.90 (98.60 to 99.60): VW

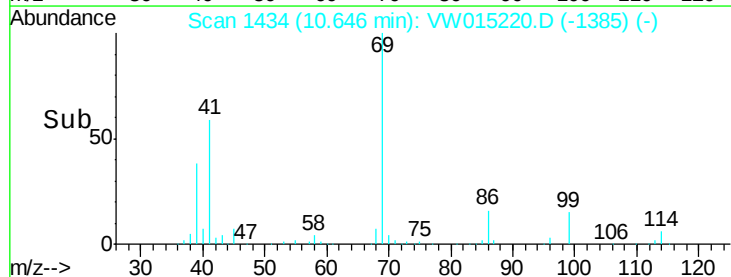
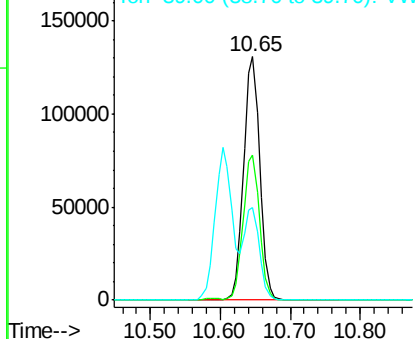


#56  
 Ethyl methacrylate  
 Concen: 105.124 ug/l  
 RT: 10.65 min Scan# 1434  
 Delta R.T. 0.00 min  
 Lab File: VW015220.D  
 Acq: 20 Apr 2020 13:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 211500 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 59.3  | 51.3  | 76.9   |
| 39       | 34.7  | 24.6  | 37.0   |



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





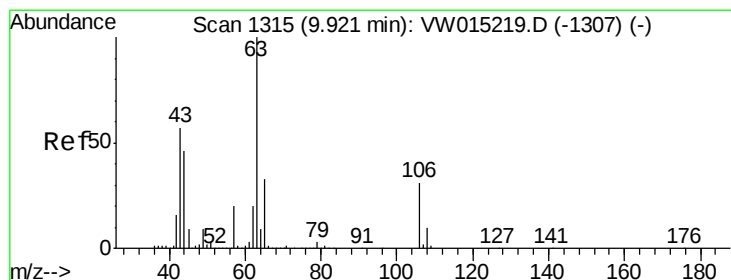
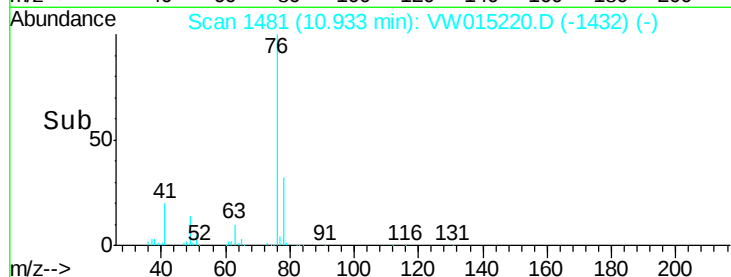
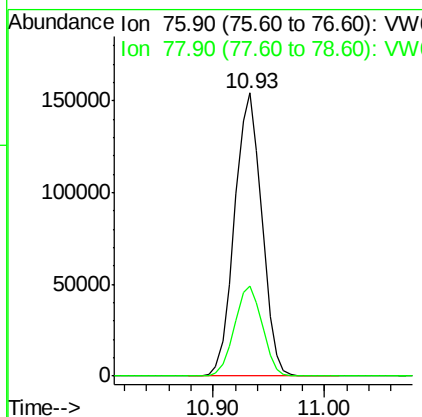
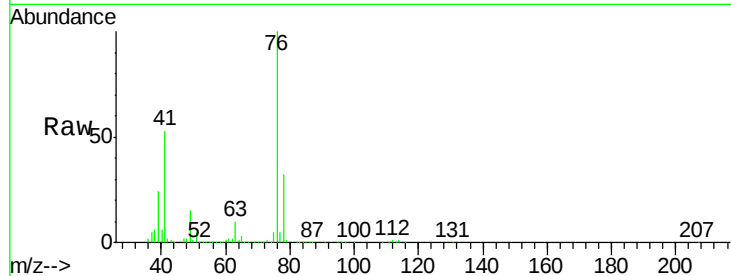
#57  
 1,3-Dichloropropane  
 Concen: 101.795 ug/l  
 RT: 10.93 min Scan# 1481  
 Delta R.T. 0.00 min  
 Lab File: VW015220.D  
 Acq: 20 Apr 2020 13:43

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC100

Tot Ion: 76 Resp: 261218  
 Ion Ratio Lower Upper  
 76 100  
 78 32.4 26.2 39.4

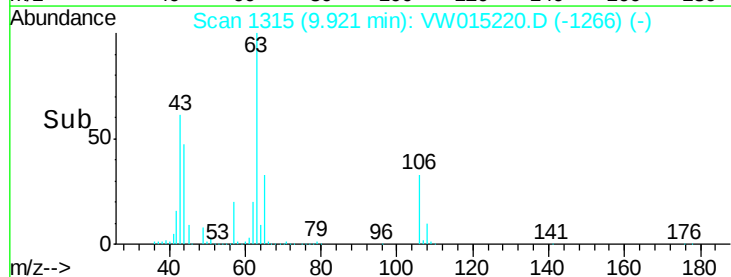
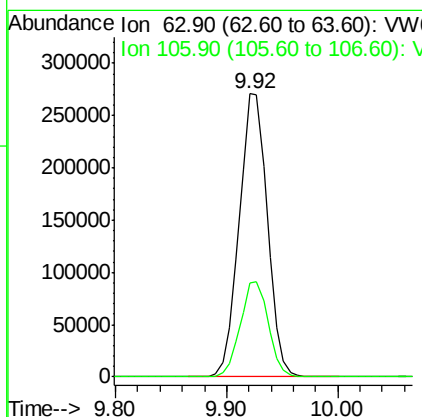
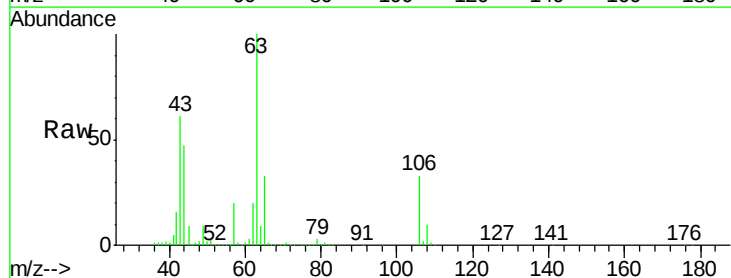
Manual Integrations  
 APPROVED

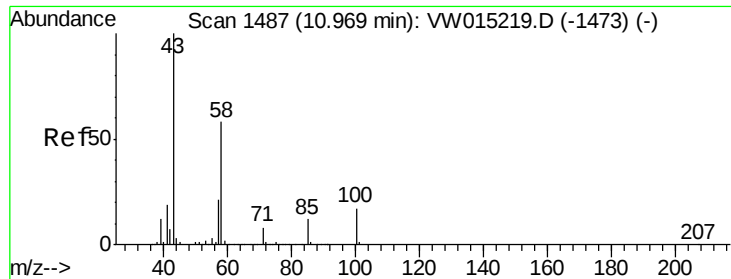
MMDadoda  
 4/21/2020 10:01:25 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 478.131 ug/l  
 RT: 9.92 min Scan# 1315  
 Delta R.T. 0.00 min  
 Lab File: VW015220.D  
 Acq: 20 Apr 2020 13:43

Tgt Ion: 63 Resp: 476091  
 Ion Ratio Lower Upper  
 63 100  
 106 33.5 22.6 33.8





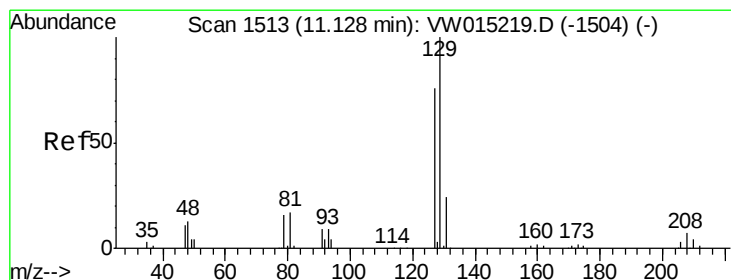
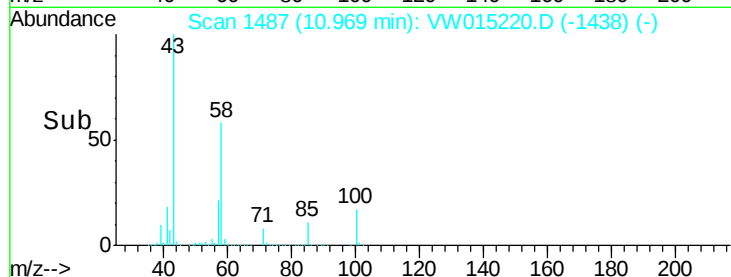
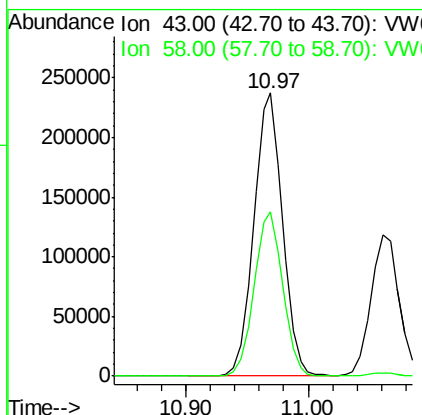
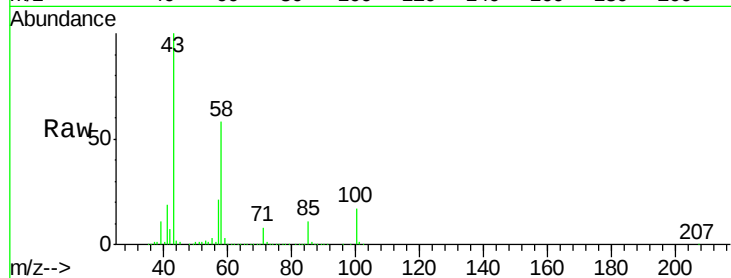
#59  
2-Hexanone  
Concen: 485.038 ug/l  
RT: 10.97 min Scan# 1487  
Delta R.T. 0.00 min  
Lab File: VW015220.D  
Acq: 20 Apr 2020 13:43

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC100

Tot Ion: 43 Resp: 386455  
Ion Ratio Lower Upper  
43 100  
58 58.1 28.1 84.3

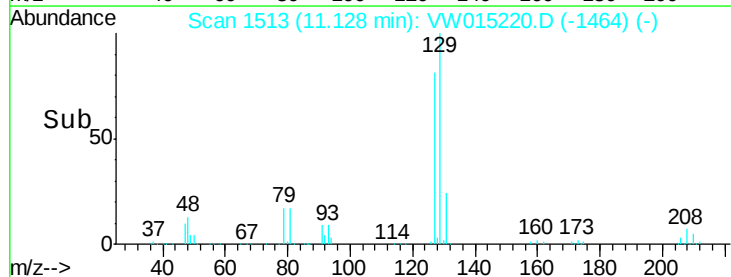
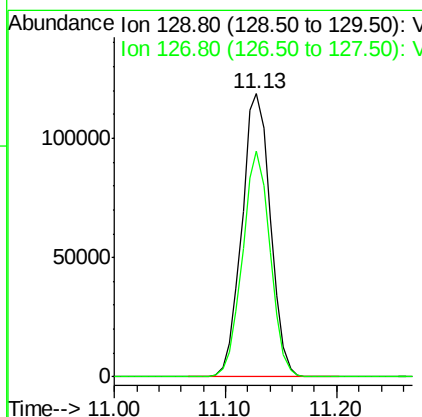
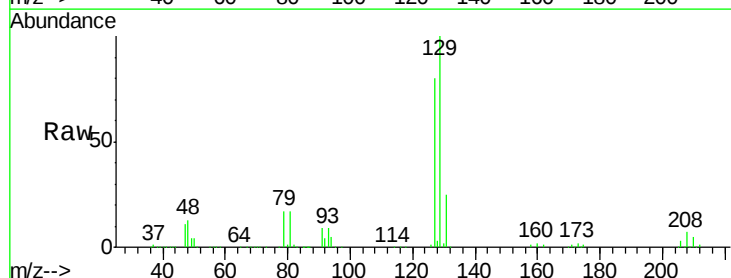
Manual Integrations  
APPROVED

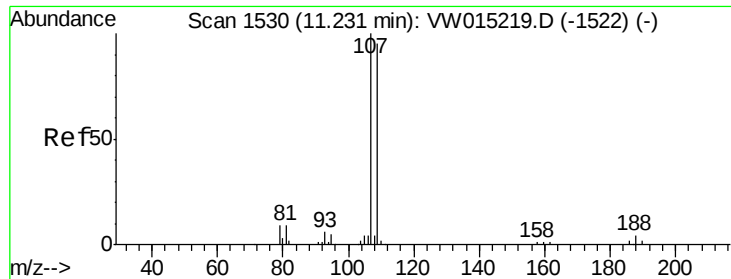
MMDadoda  
4/21/2020 10:01:25 AM



#60  
Dibromochloromethane  
Concen: 121.346 ug/l  
RT: 11.13 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VW015220.D  
Acq: 20 Apr 2020 13:43

Tgt Ion: 129 Resp: 211387  
Ion Ratio Lower Upper  
129 100  
127 77.0 38.3 114.8





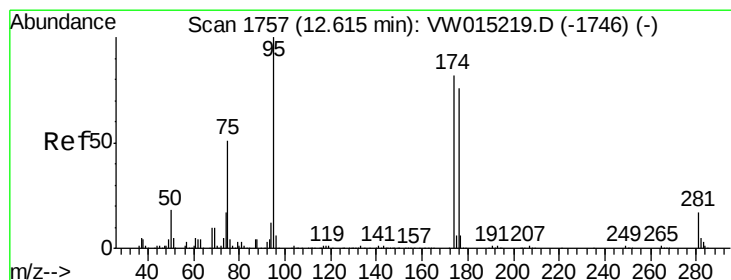
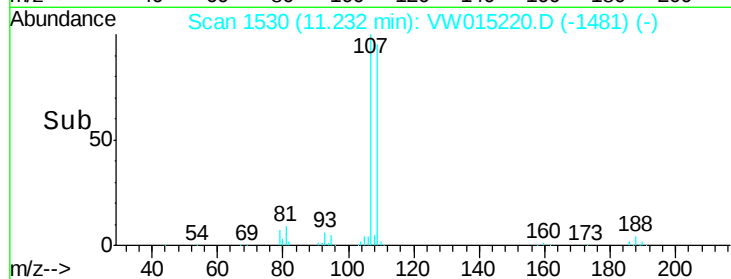
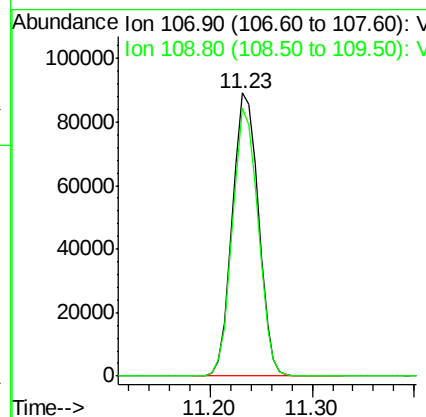
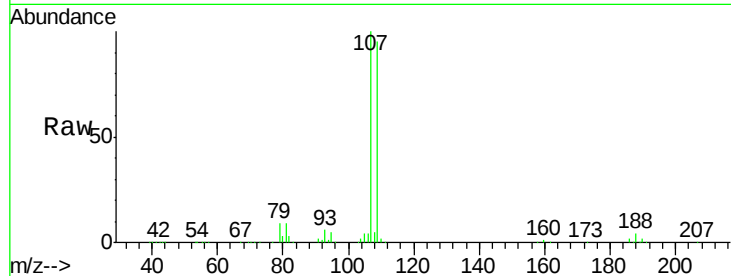
#61  
 1,2-Dibromoethane  
 Concen: 112.154 ug/l  
 RT: 11.23 min Scan# 1530  
 Delta R.T. 0.00 min  
 Lab File: VW015220.D  
 Acq: 20 Apr 2020 13:43

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 93.1  | 74.3  | 111.5 |

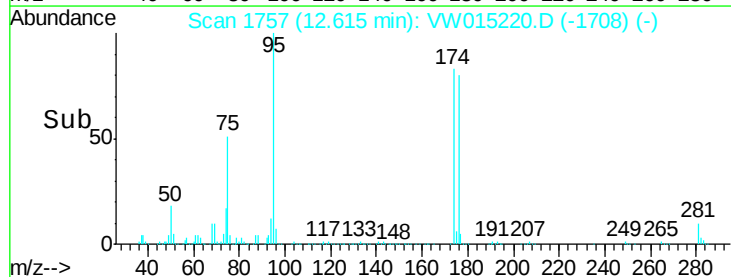
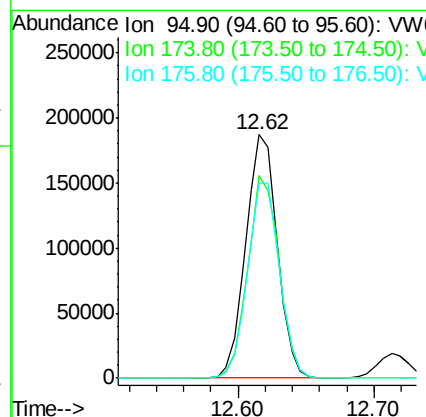
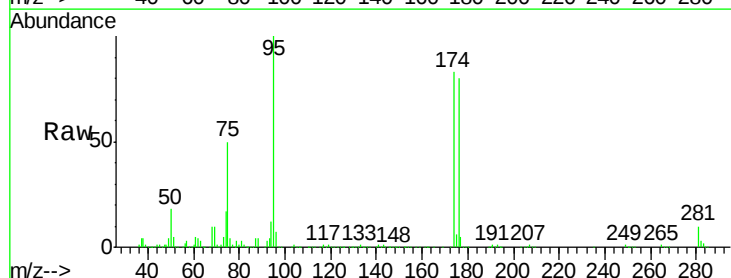
Manual Integrations  
 APPROVED

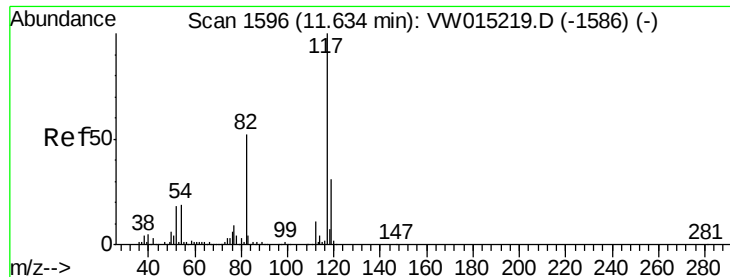
MMDadoda  
 4/21/2020 10:01:25 AM



#62  
 4-Bromofluorobenzene  
 Concen: 116.849 ug/l  
 RT: 12.62 min Scan# 1757  
 Delta R.T. 0.00 min  
 Lab File: VW015220.D  
 Acq: 20 Apr 2020 13:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 82.9  | 0.0   | 144.4 |
| 176     | 81.7  | 0.0   | 140.6 |





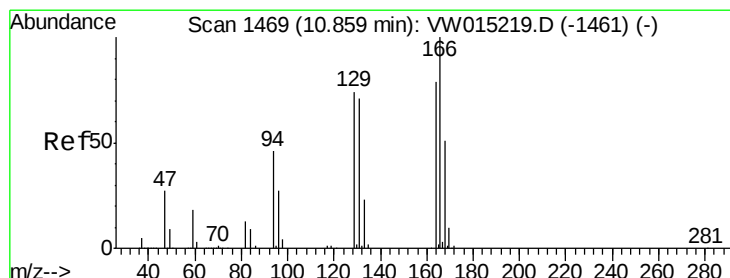
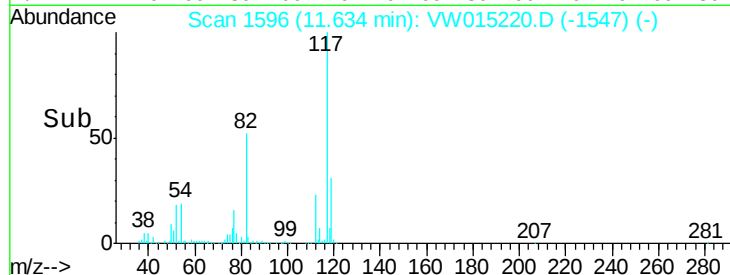
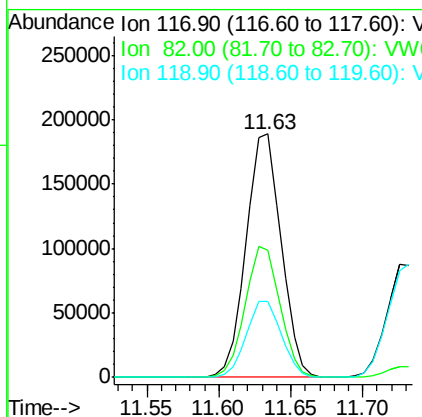
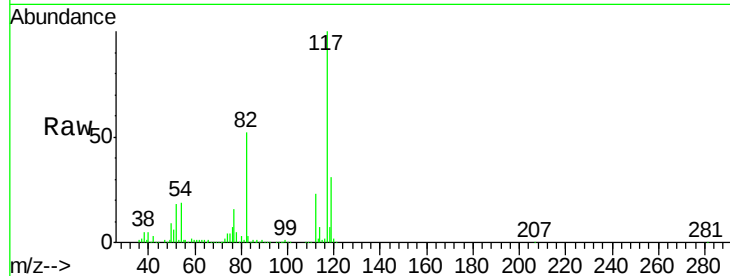
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW015220.D  
Acq: 20 Apr 2020 13:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 317437 |       |       |
| 82      | 52.0  |        | 44.1  | 66.1  |
| 119     | 31.0  |        | 24.9  | 37.3  |

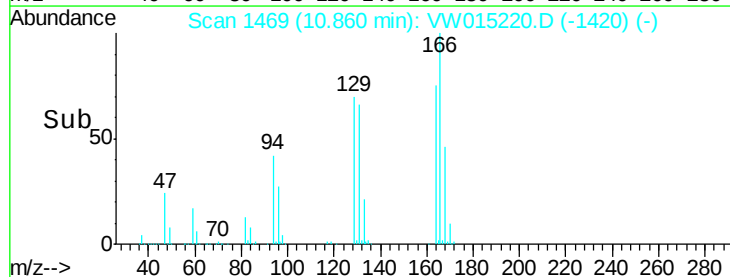
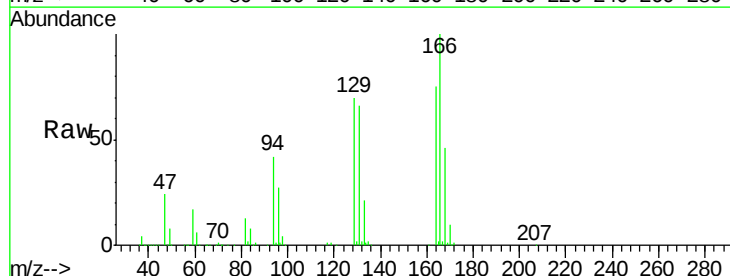
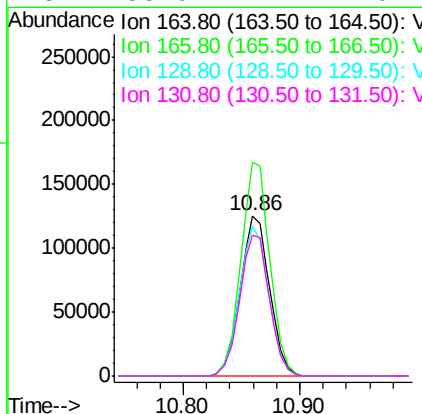
Manual Integrations  
APPROVED

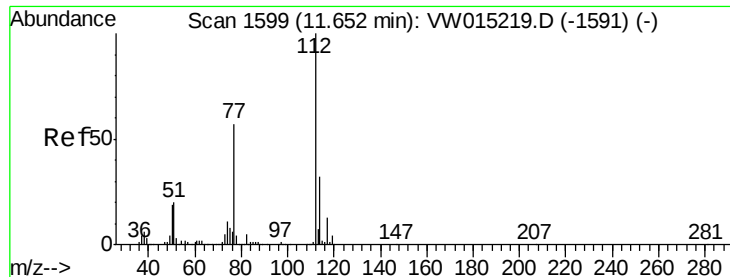
MMDadoda  
4/21/2020 10:01:25 AM



#64  
Tetrachloroethene  
Concen: 117.761 ug/l  
RT: 10.86 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VW015220.D  
Acq: 20 Apr 2020 13:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 219581 |       |       |
| 166     | 133.3 |        | 102.6 | 154.0 |
| 129     | 93.6  |        | 80.2  | 120.2 |
| 131     | 88.0  |        | 77.4  | 116.2 |





#65

Chlorobenzene

Concen: 106.298 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 634915

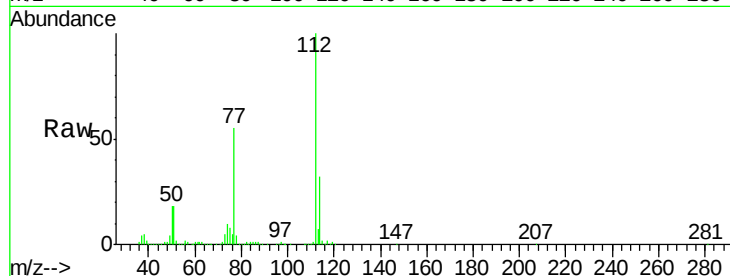
Ion Ratio Lower Upper

112 100

114 31.9 25.8 38.6

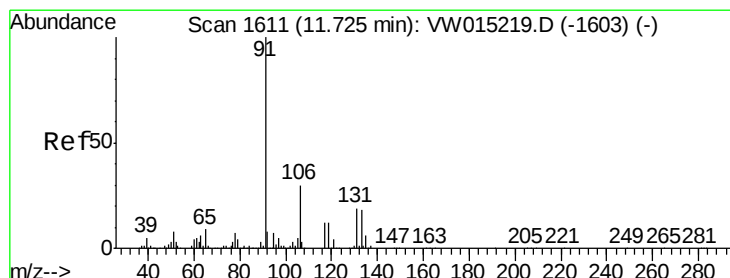
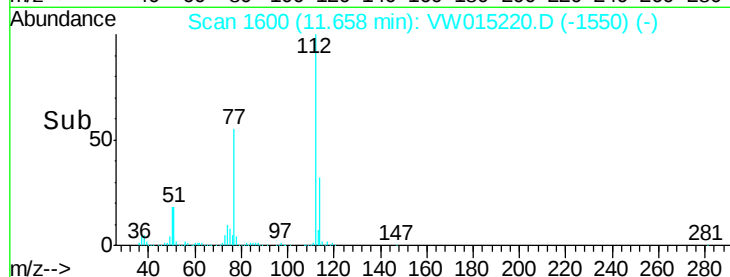
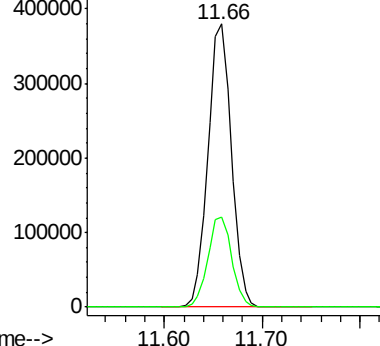
Manual Integrations  
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MMDadoda  
4/21/2020 10:01:25 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 110.062 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.01 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

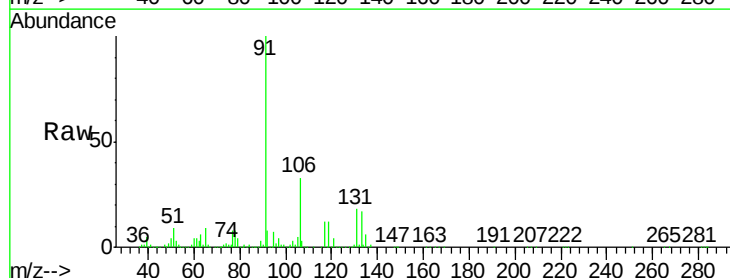
Tgt Ion:131 Resp: 227218

Ion Ratio Lower Upper

131 100

133 97.1 47.7 143.1

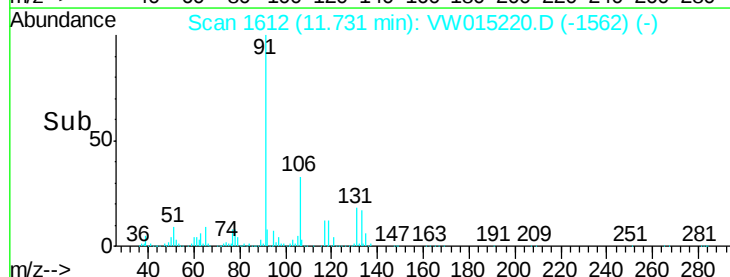
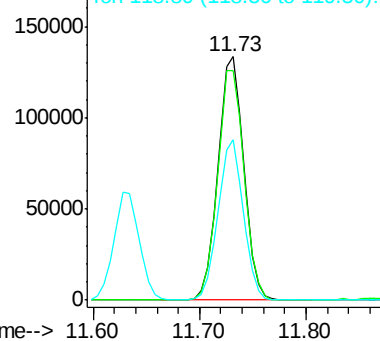
119 64.8 34.0 101.8

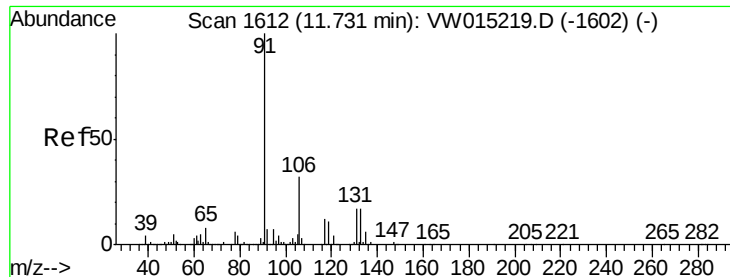


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





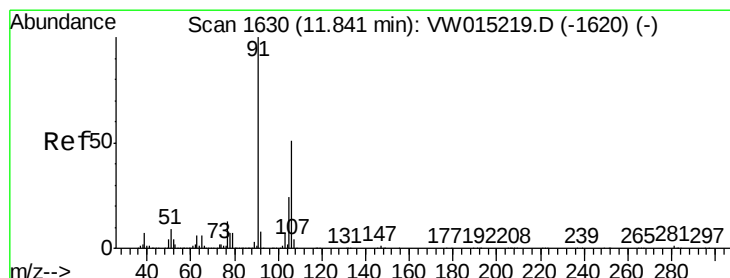
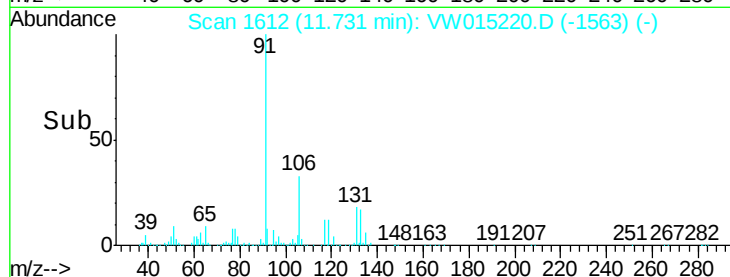
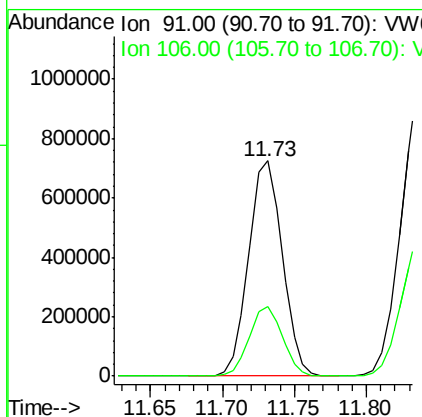
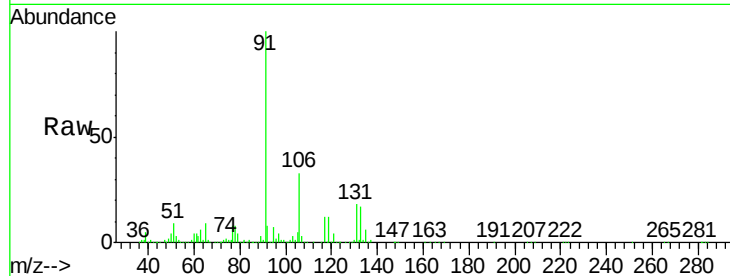
#67  
Ethyl Benzene  
Concen: 103.917 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW015220.D  
Acq: 20 Apr 2020 13:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

Tot Ion: 91 Resp: 1171755  
Ion Ratio Lower Upper  
91 100  
106 32.6 25.7 38.5

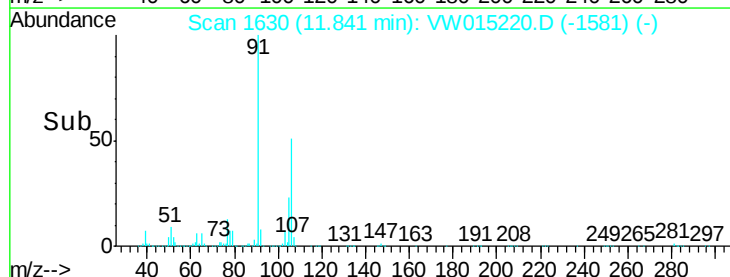
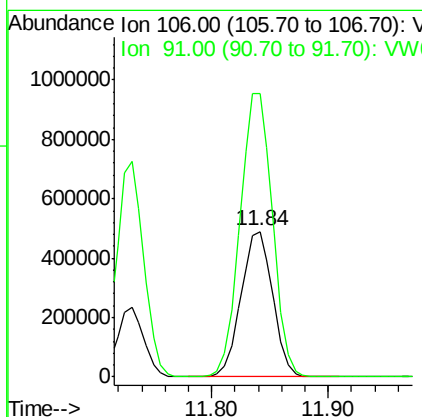
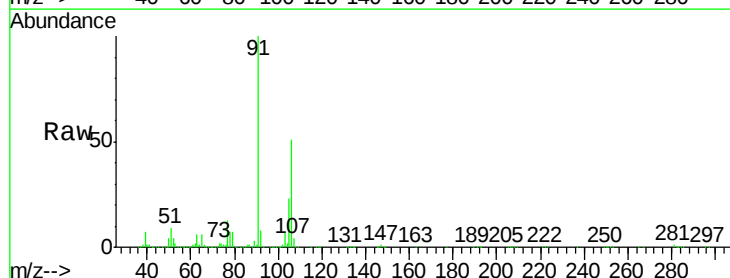
Manual Integrations  
APPROVED

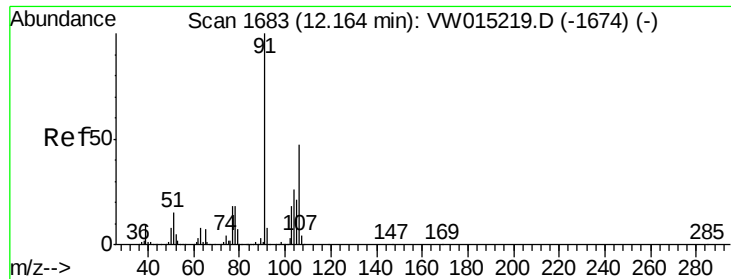
MMDadoda  
4/21/2020 10:01:25 AM



#68  
m/p-Xylenes  
Concen: 216.322 ug/l  
RT: 11.84 min Scan# 1630  
Delta R.T. 0.00 min  
Lab File: VW015220.D  
Acq: 20 Apr 2020 13:43

Tgt Ion: 106 Resp: 925680  
Ion Ratio Lower Upper  
106 100  
91 199.3 160.0 240.0





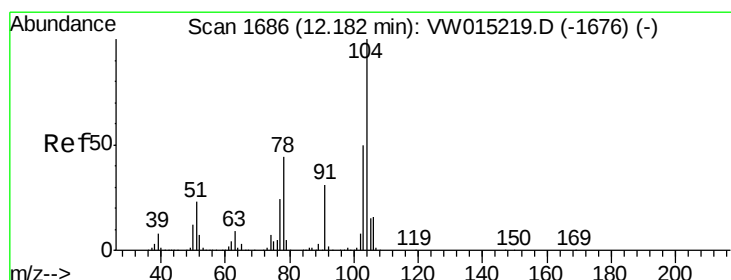
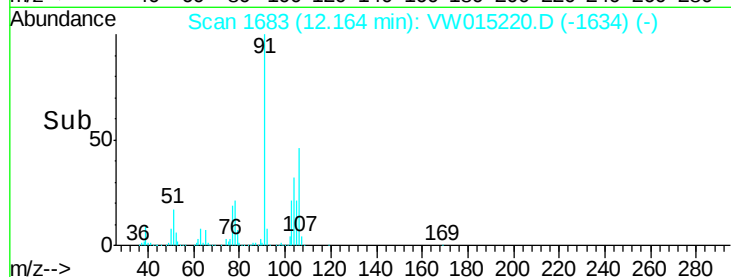
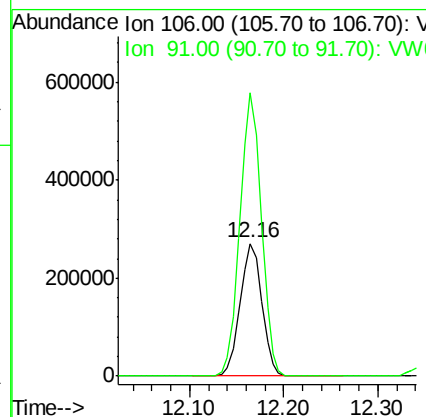
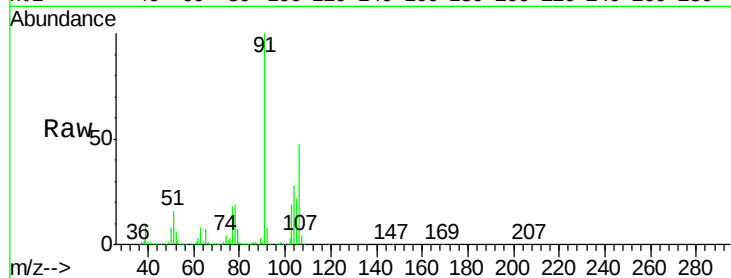
#69  
o-Xylene  
Concen: 108.252 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. 0.00 min  
Lab File: VW015220.D  
Acq: 20 Apr 2020 13:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 211.2 | 105.7 | 317.1 |

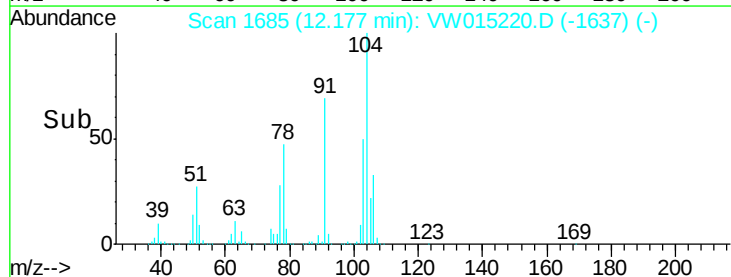
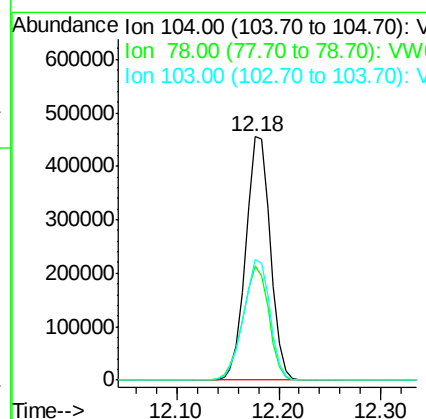
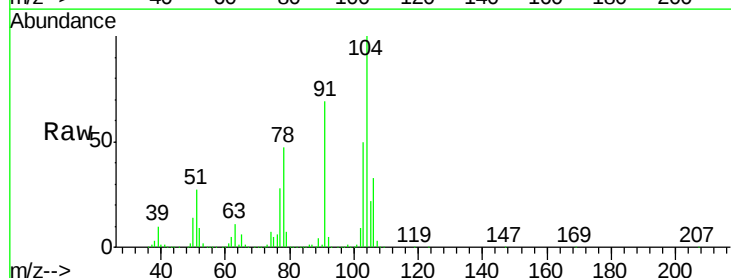
Manual Integrations  
APPROVED

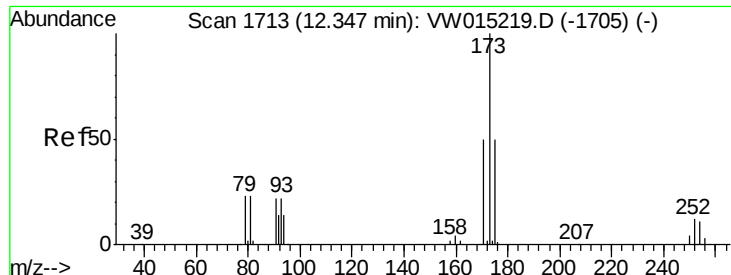
MMDadoda  
4/21/2020 10:01:25 AM



#70  
Styrene  
Concen: 111.820 ug/l  
RT: 12.18 min Scan# 1685  
Delta R.T. -0.01 min  
Lab File: VW015220.D  
Acq: 20 Apr 2020 13:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 49.6  | 39.8  | 59.6  |
| 103     | 53.2  | 43.8  | 65.6  |





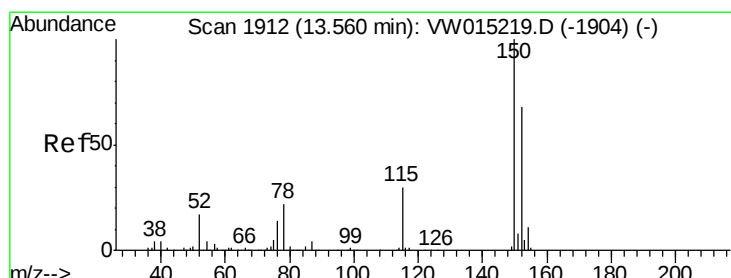
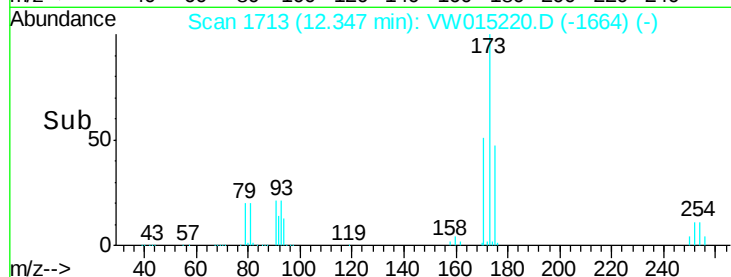
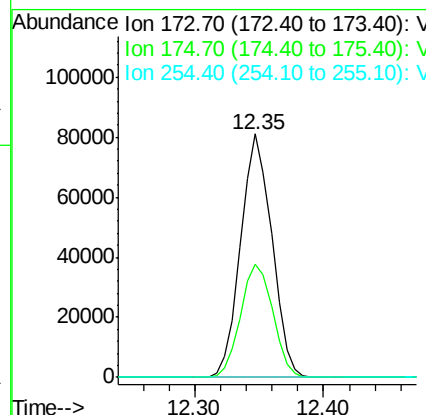
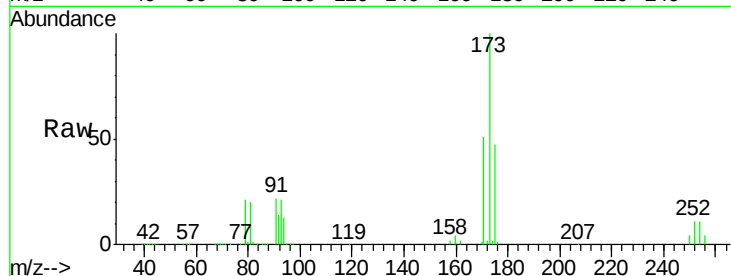
#71  
Bromoform  
Concen: 132.767 ug/l  
RT: 12.35 min Scan# 1713  
Delta R.T. 0.00 min  
Lab File: VW015220.D  
Acq: 20 Apr 2020 13:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.1  | 25.1  | 75.4  |
| 254     | 0.1   | 0.1   | 0.1#  |

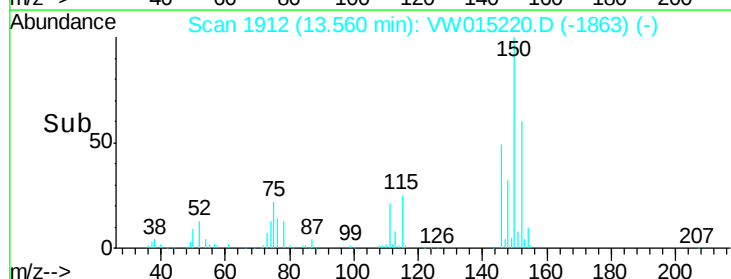
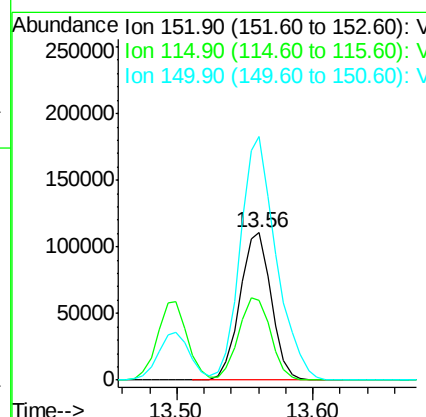
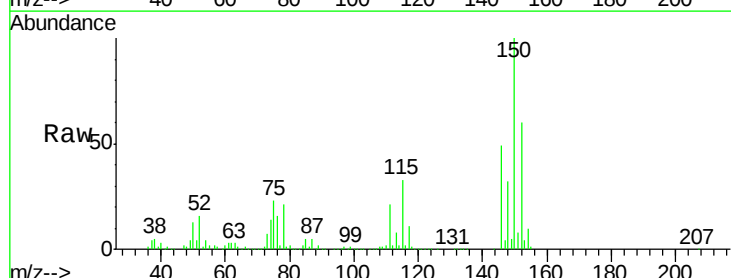
Manual Integrations  
APPROVED

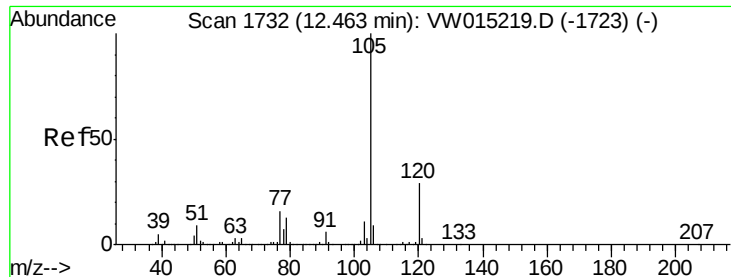
MMDadoda  
4/21/2020 10:01:25 AM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. 0.00 min  
Lab File: VW015220.D  
Acq: 20 Apr 2020 13:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 57.3  | 31.3  | 93.9  |
| 150     | 189.1 | 0.0   | 343.4 |





#73

Isopropylbenzene

Concen: 91.906 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1212767

Ion Ratio Lower Upper

105 100

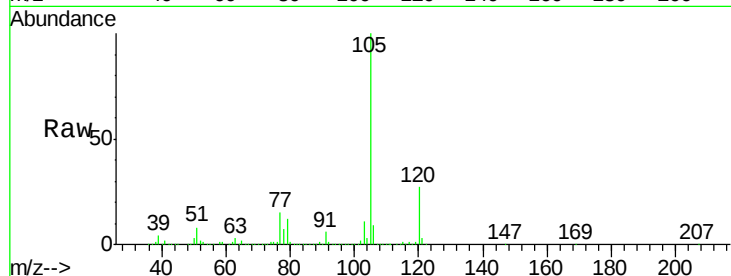
120 27.0 13.7 41.1

Manual Integrations

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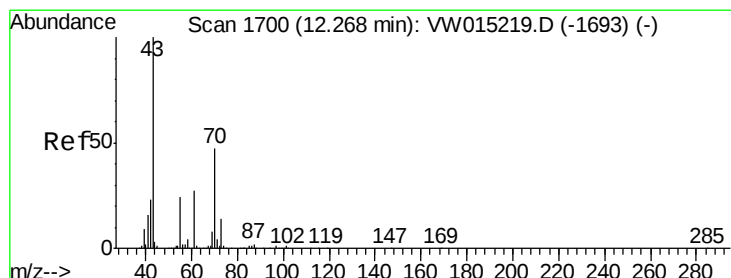
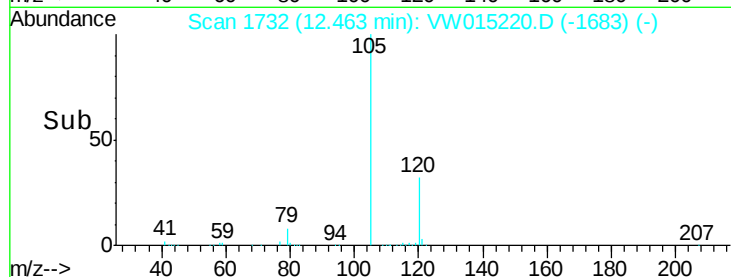
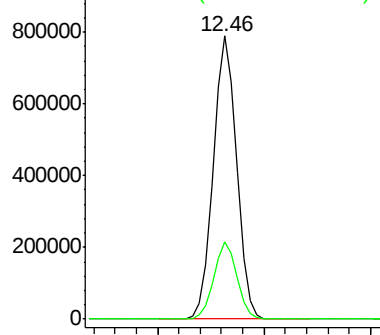
MMDadoda

4/21/2020 10:01:25 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 74.175 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Tgt Ion: 43 Resp: 227529

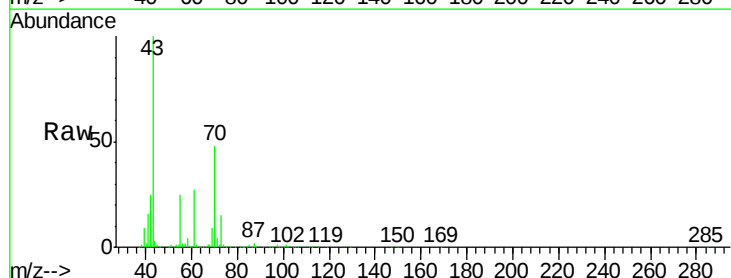
Ion Ratio Lower Upper

43 100

70 48.8 35.4 53.2

55 24.9 18.5 27.7

61 26.8 20.3 30.5

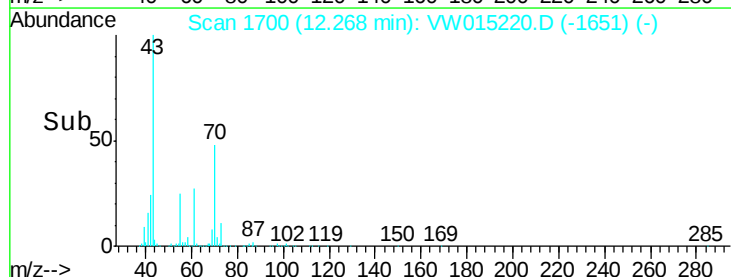
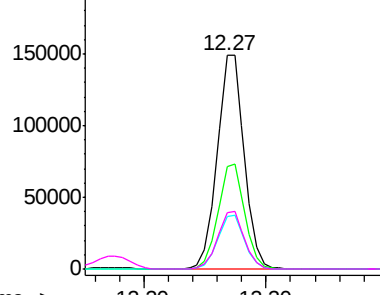


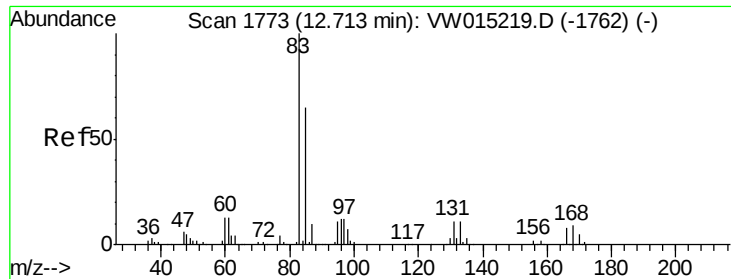
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 80.311 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA\_W

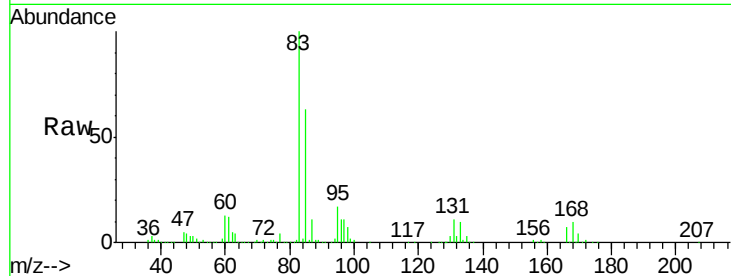
ClientSampleId :

VSTDIC100

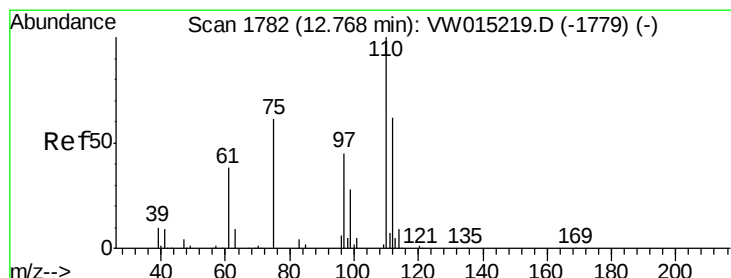
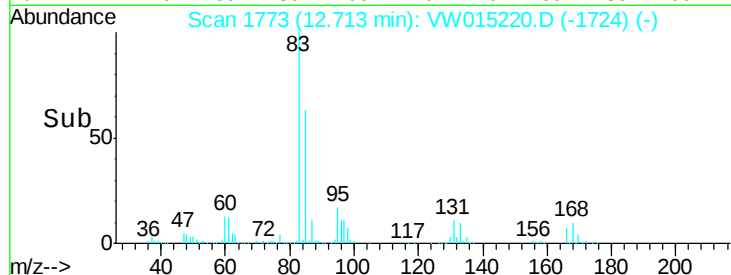
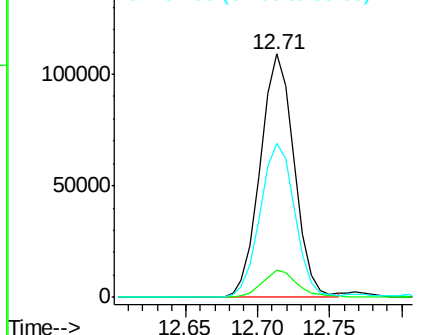
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 177567 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 11.8  | 5.1   | 15.2   |
| 85        | 64.6  | 32.3  | 96.8   |

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



#76

1,2,3-Trichloropropane

Concen: 93.505 ug/l m

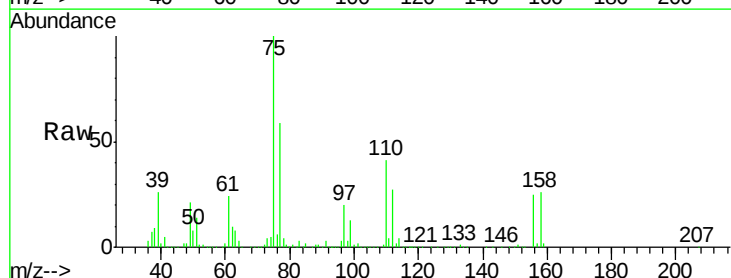
RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

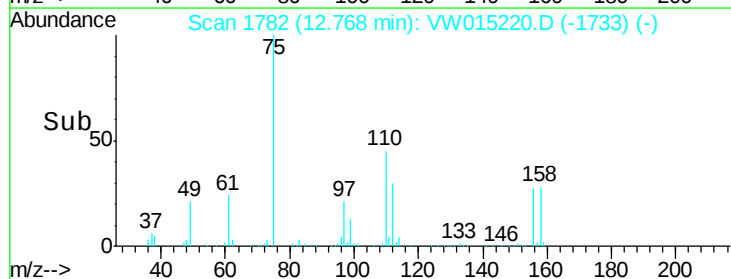
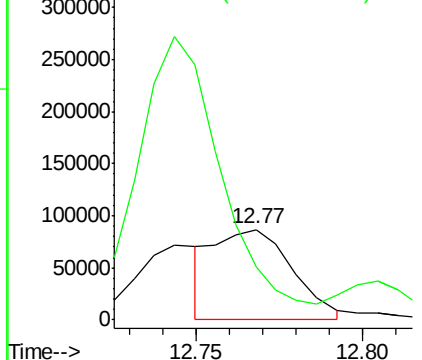
Lab File: VW015220.D

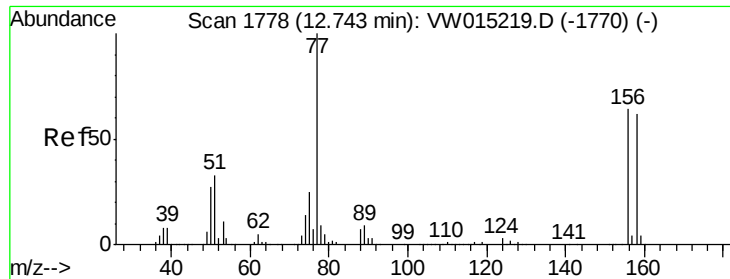
Acq: 20 Apr 2020 13:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 141631 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |



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





#77

Bromobenzene

Concen: 104.065 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 284498

Ion Ratio Lower Upper

156 100

77 170.2 100.5 301.5

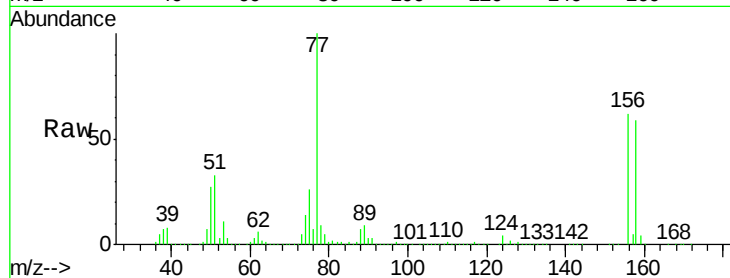
158 96.4 47.9 143.8

Manual Integrations

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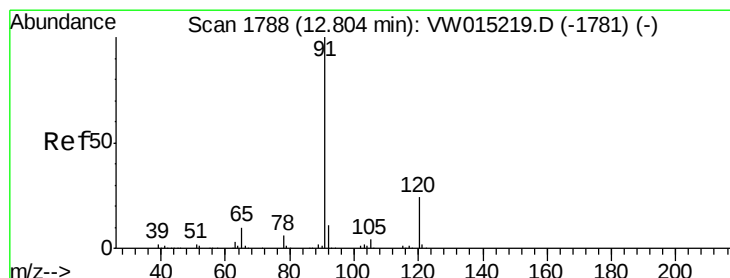
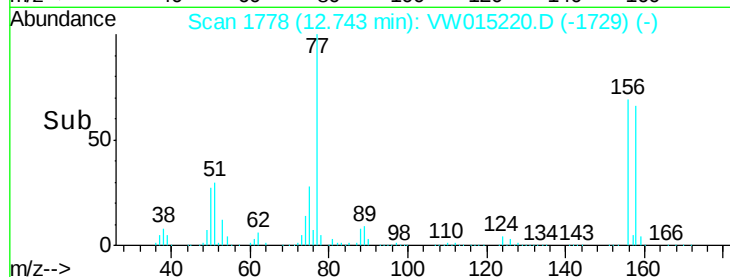
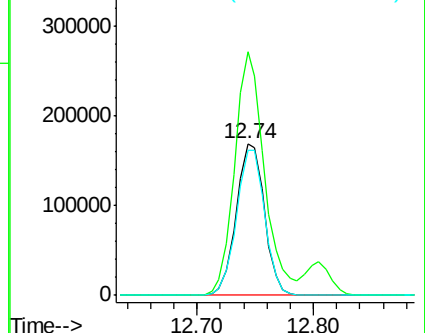
4/21/2020 10:01:25 AM



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: 89.264 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015220.D

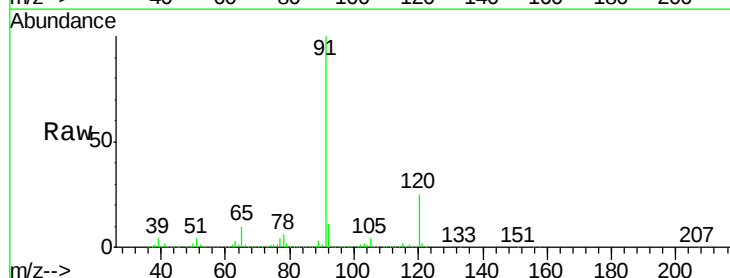
Acq: 20 Apr 2020 13:43

Tgt Ion: 91 Resp: 1420528

Ion Ratio Lower Upper

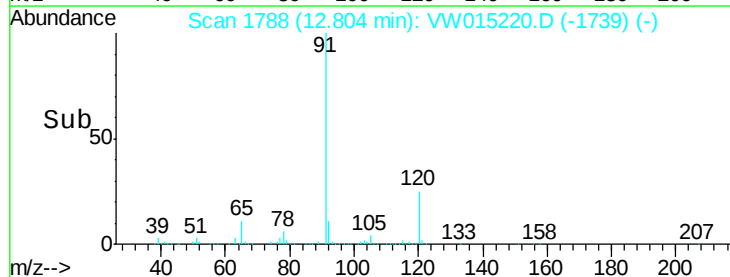
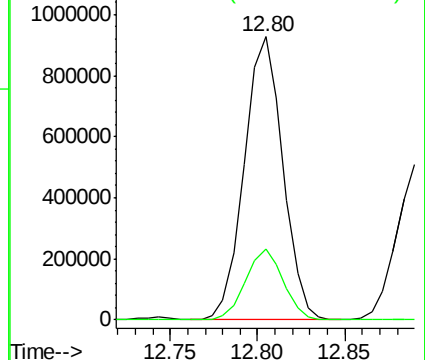
91 100

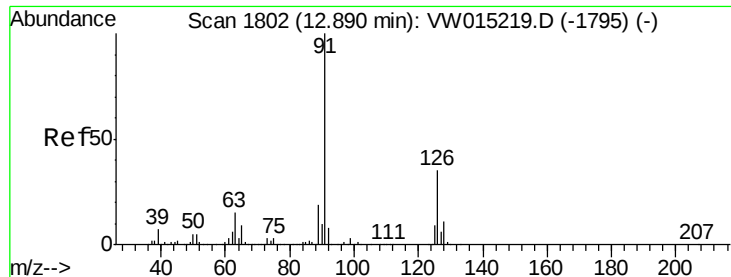
120 24.4 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 91.988 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015220.D

Acq: 20 Apr 2020 13:43

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 809242

Ion Ratio Lower Upper

91 100

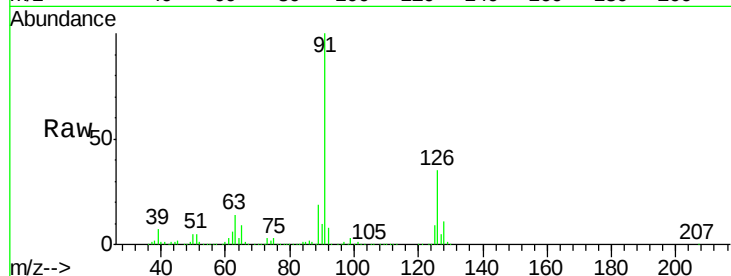
126 35.1 16.8 50.4

Manual Integrations

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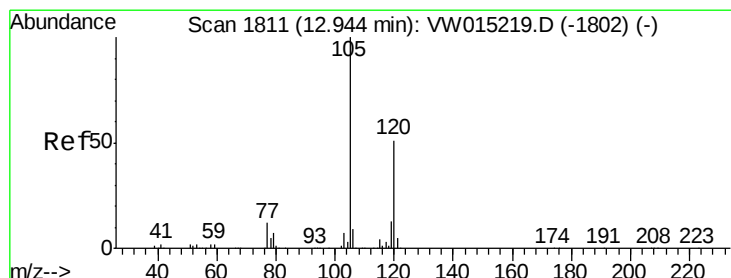
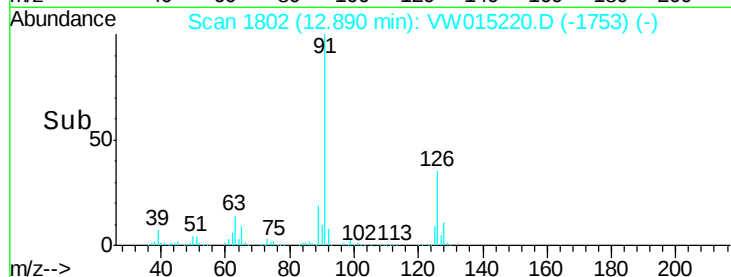
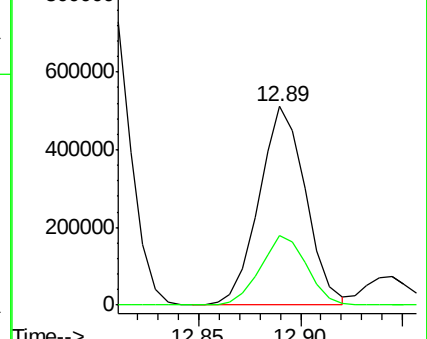
MMDadoda

4/21/2020 10:01:25 AM



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: 96.514 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015220.D

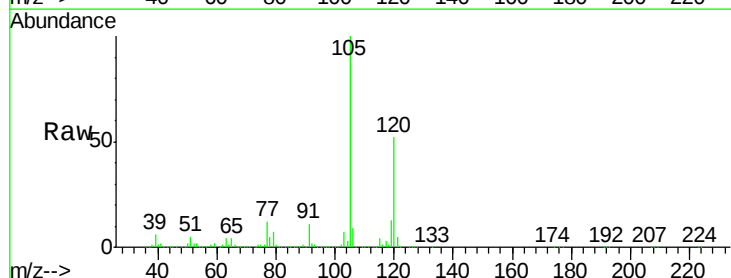
Acq: 20 Apr 2020 13:43

Tgt Ion:105 Resp: 1072392

Ion Ratio Lower Upper

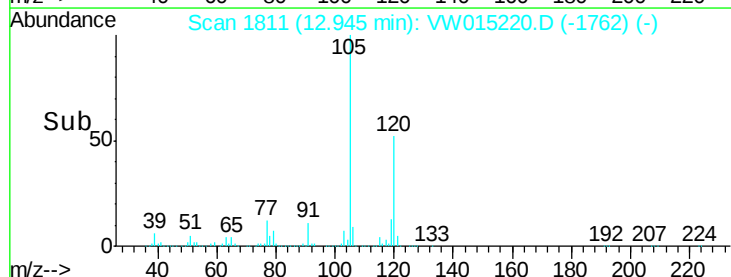
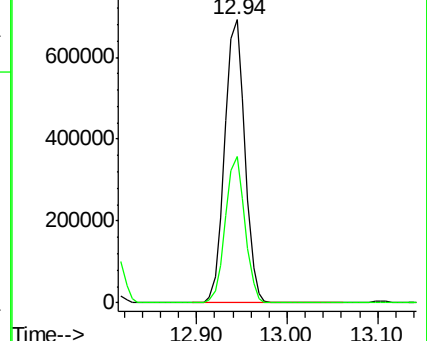
105 100

120 50.3 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





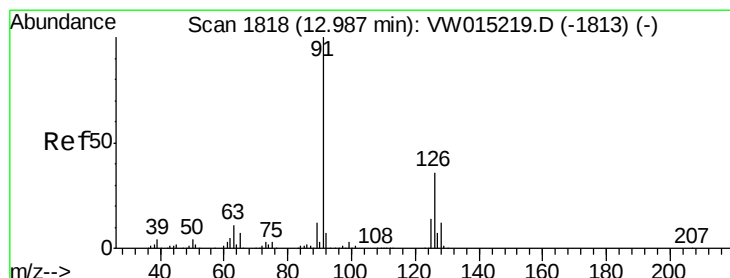
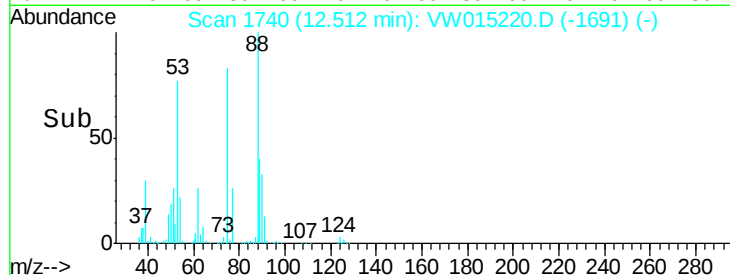
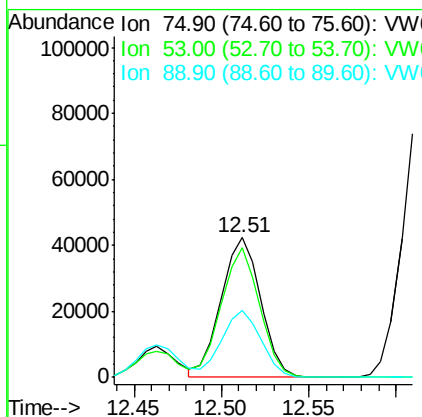
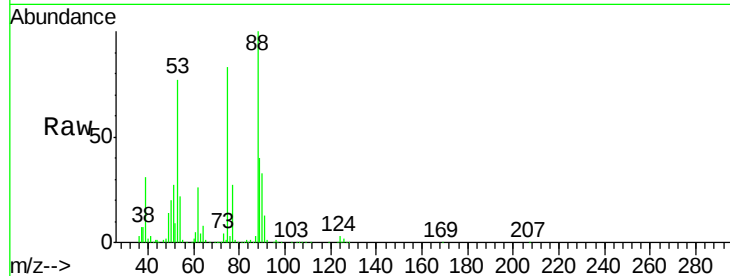
#81  
trans-1,4-Dichloro-2-butene  
Concen: 84.055 ug/l  
RT: 12.51 min Scan# 1740  
Delta R.T. 0.00 min  
Lab File: VW015220.D  
Acq: 20 Apr 2020 13:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 91.9  | 69.4  | 104.2 |
| 89      | 47.3  | 34.8  | 52.2  |

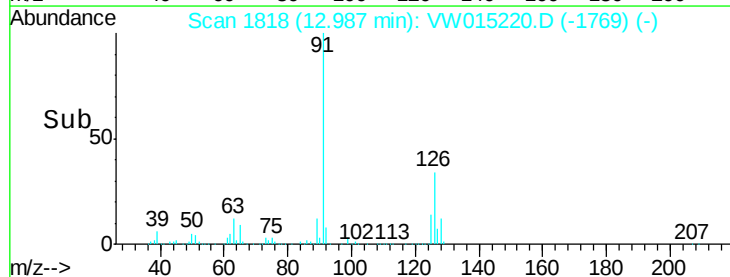
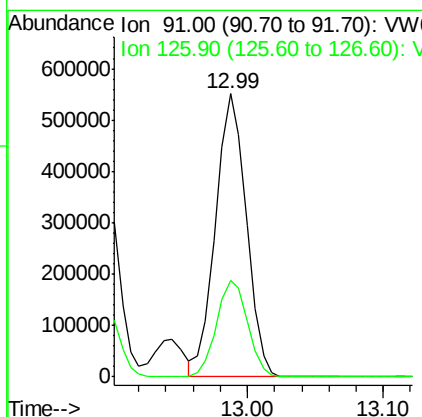
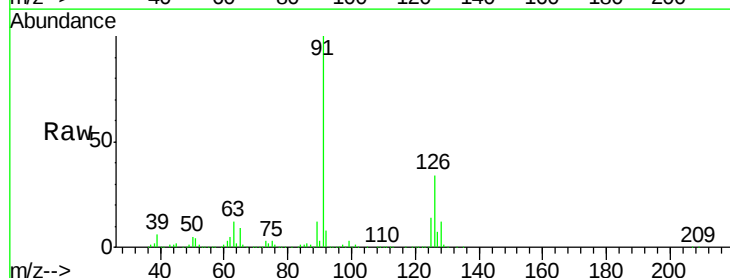
Manual Integrations  
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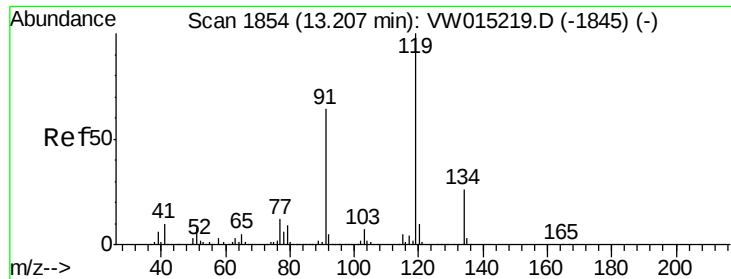
MMDadoda  
4/21/2020 10:01:25 AM



#82  
4-Chlorotoluene  
Concen: 92.964 ug/l  
RT: 12.99 min Scan# 1818  
Delta R.T. 0.00 min  
Lab File: VW015220.D  
Acq: 20 Apr 2020 13:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 34.5  | 16.8  | 50.3  |





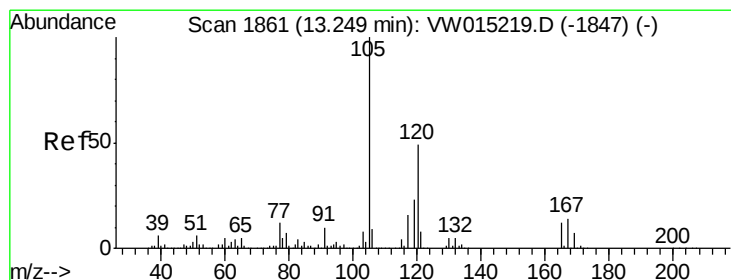
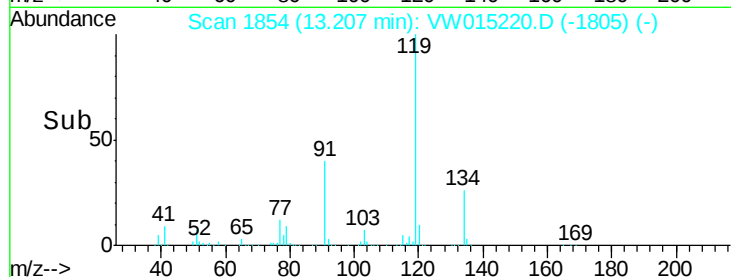
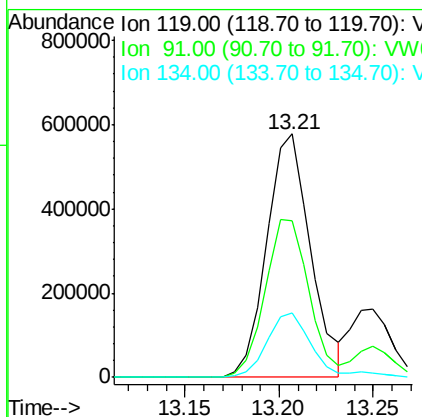
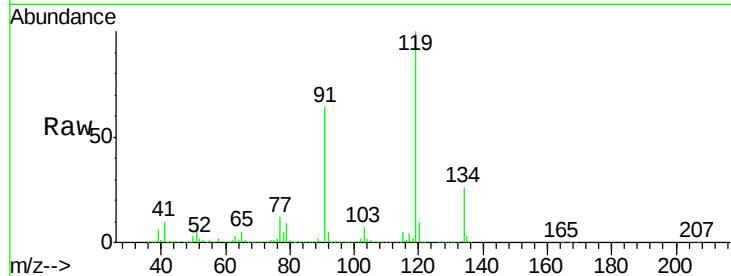
#83  
 tert-Butylbenzene  
 Concen: 96.977 ug/l  
 RT: 13.21 min Scan# 1854  
 Delta R.T. 0.00 min  
 Lab File: VW015220.D  
 Acq: 20 Apr 2020 13:43

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 64.9  | 32.8  | 98.3  |
| 134     | 27.5  | 13.3  | 39.9  |

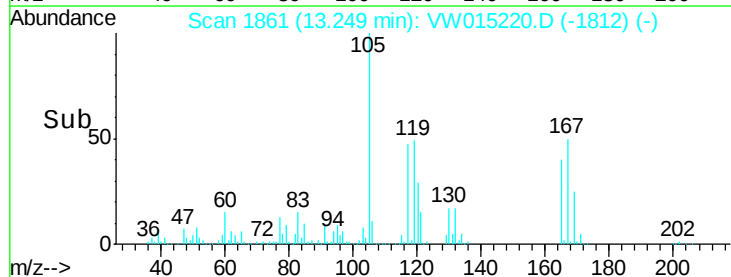
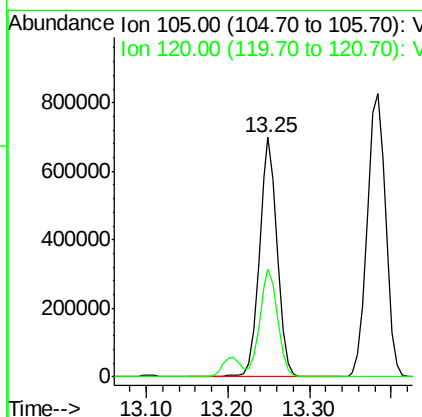
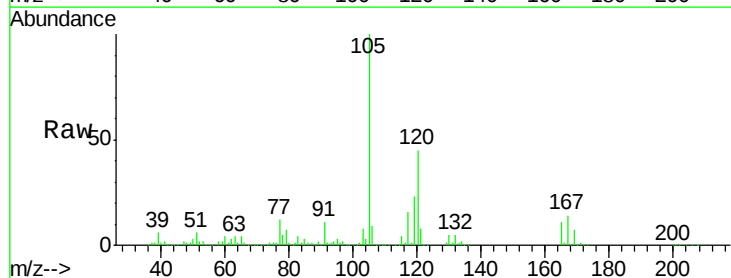
Manual Integrations  
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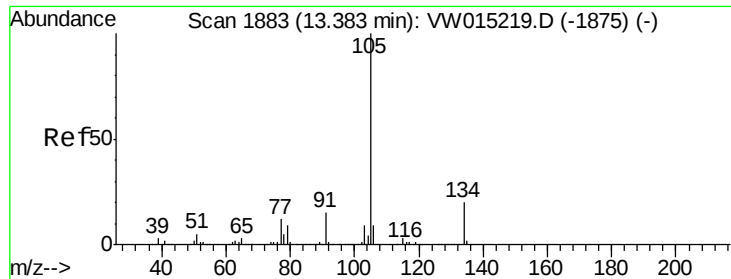
MMDadoda  
 4/21/2020 10:01:25 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 96.572 ug/l  
 RT: 13.25 min Scan# 1861  
 Delta R.T. 0.00 min  
 Lab File: VW015220.D  
 Acq: 20 Apr 2020 13:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.9  | 23.0  | 69.0  |





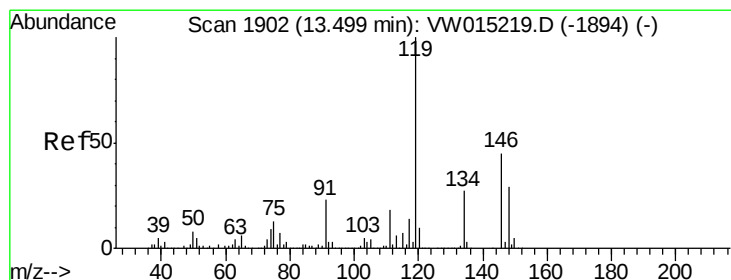
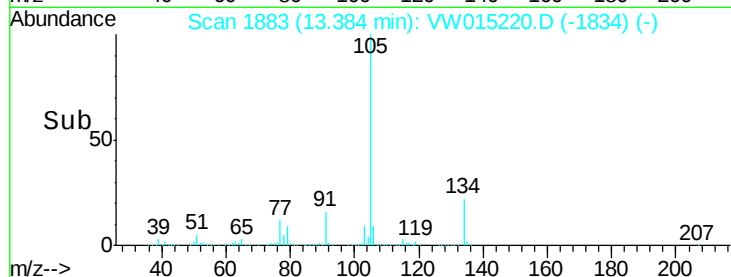
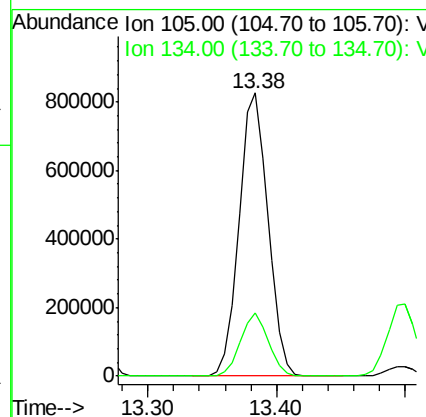
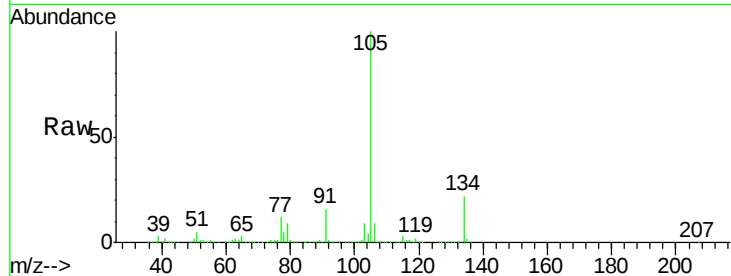
#85  
 sec-Butylbenzene  
 Concen: 93.730 ug/l  
 RT: 13.38 min Scan# 1883  
 Delta R.T. 0.00 min  
 Lab File: VW015220.D  
 Acq: 20 Apr 2020 13:43

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC100

Tot Ion:105 Resp: 1283379  
 Ion Ratio Lower Upper  
 105 100  
 134 21.3 10.1 30.1

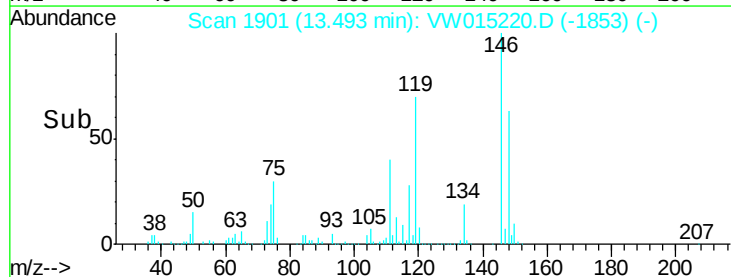
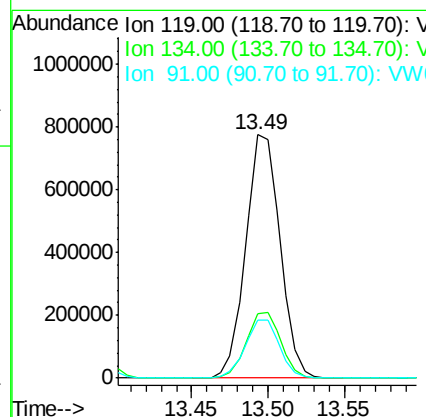
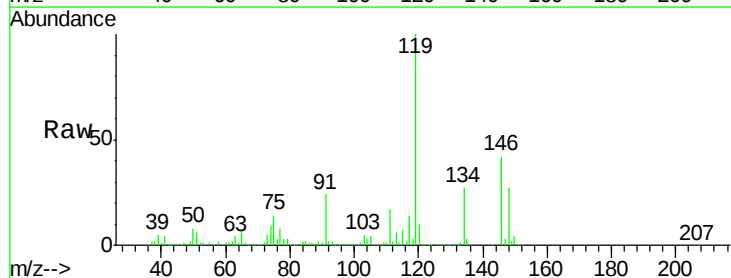
Manual Integrations  
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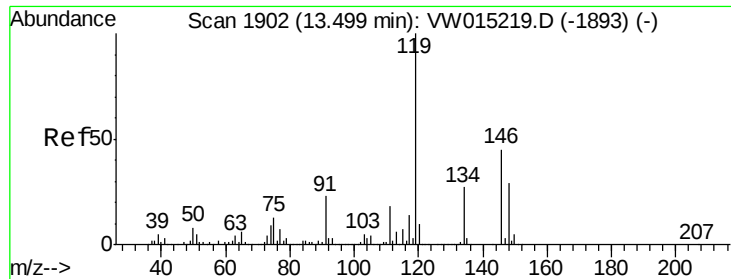
MMDadoda  
 4/21/2020 10:01:25 AM



#86  
 p-Isopropyltoluene  
 Concen: 98.663 ug/l  
 RT: 13.49 min Scan# 1901  
 Delta R.T. -0.01 min  
 Lab File: VW015220.D  
 Acq: 20 Apr 2020 13:43

Tgt Ion:119 Resp: 1205402  
 Ion Ratio Lower Upper  
 119 100  
 134 27.1 13.3 39.9  
 91 23.8 12.0 36.1





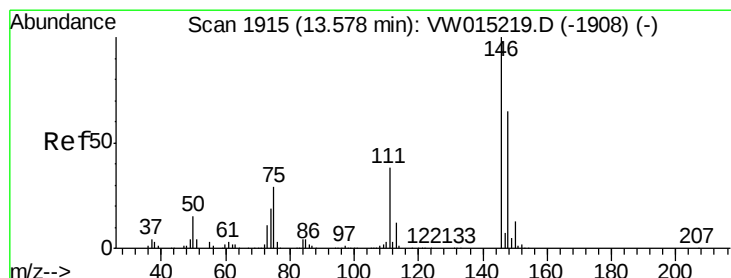
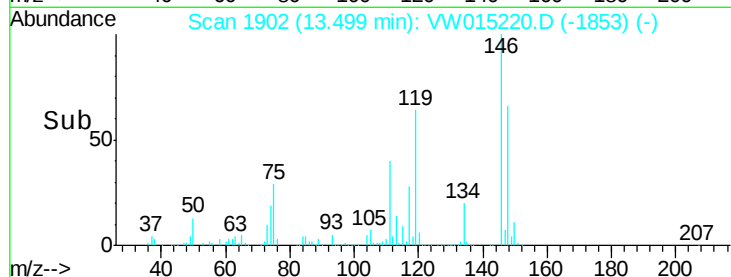
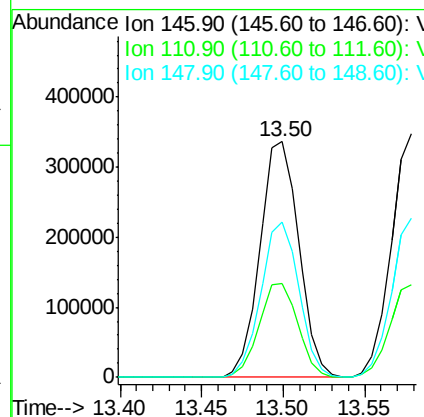
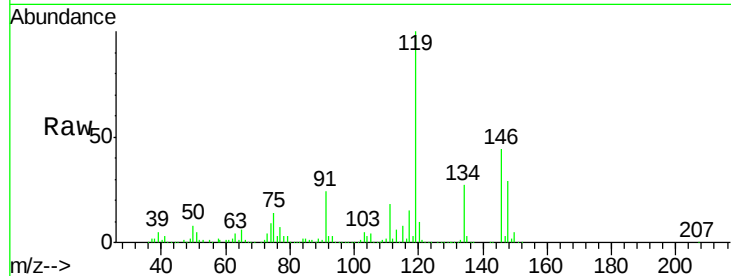
#87  
 1,3-Dichlorobenzene  
 Concen: 102.714 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. 0.00 min  
 Lab File: VW015220.D  
 Acq: 20 Apr 2020 13:43

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 559431 |       |       |
| 111     | 40.0  | 21.1   | 63.4  |       |
| 148     | 64.5  | 31.8   | 95.3  |       |

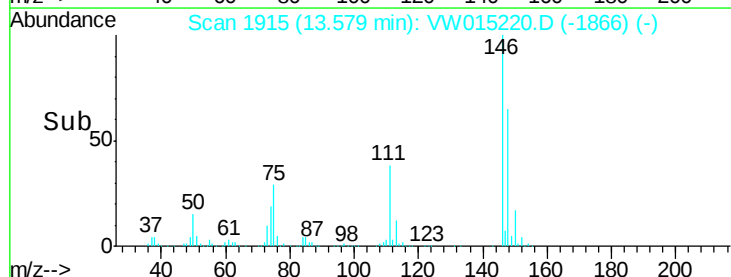
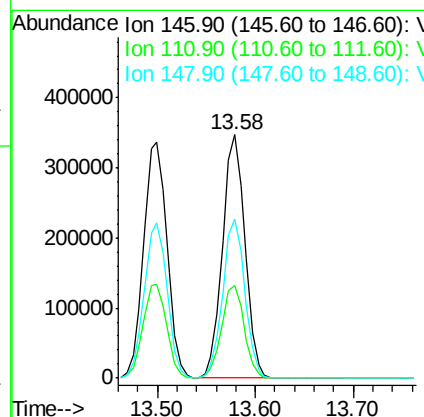
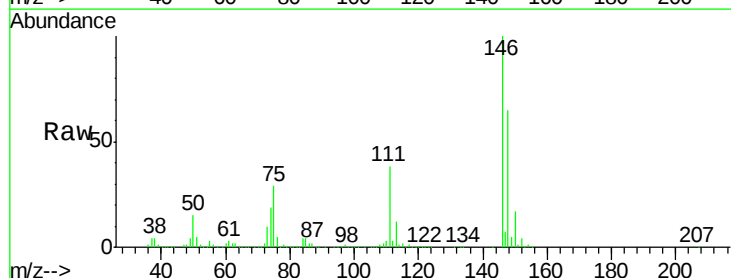
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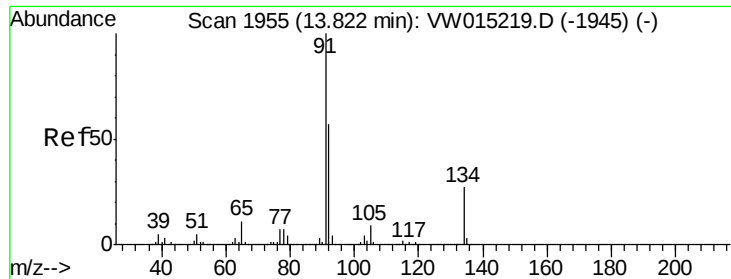
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#88  
 1,4-Dichlorobenzene  
 Concen: 102.756 ug/l  
 RT: 13.58 min Scan# 1915  
 Delta R.T. 0.00 min  
 Lab File: VW015220.D  
 Acq: 20 Apr 2020 13:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 555234 |       |       |
| 111     | 38.2  | 20.4   | 61.3  |       |
| 148     | 64.4  | 31.5   | 94.5  |       |





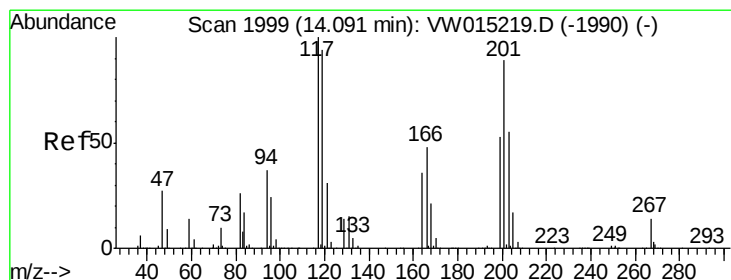
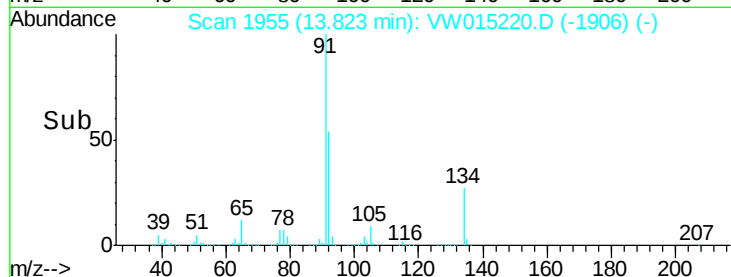
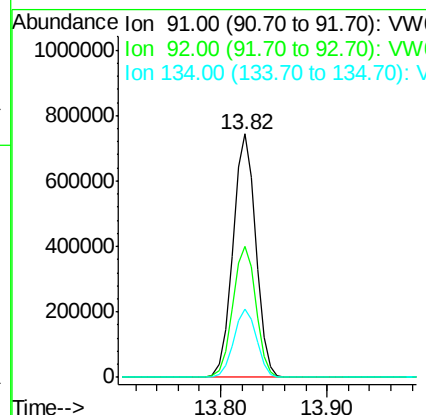
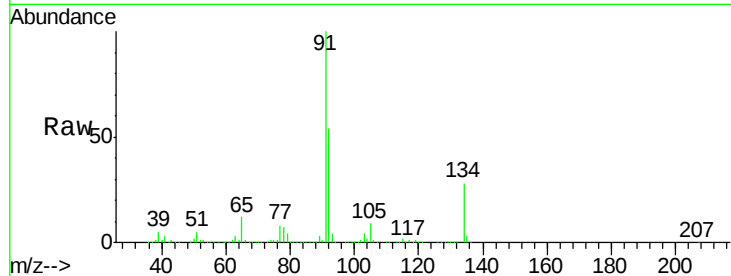
#89  
n-Butylbenzene  
Concen: 92.353 ug/l  
RT: 13.82 min Scan# 1955  
Delta R.T. 0.00 min  
Lab File: VW015220.D  
Acq: 20 Apr 2020 13:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 54.6  | 27.6  | 82.7  |
| 134     | 28.3  | 12.8  | 38.3  |

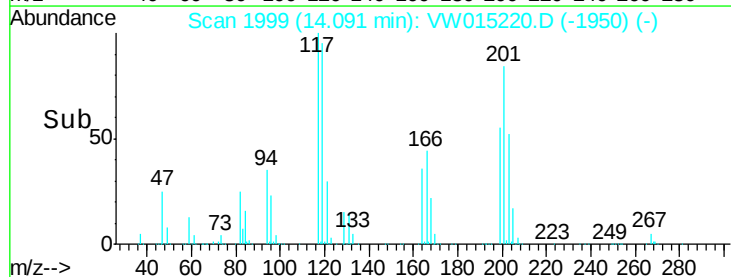
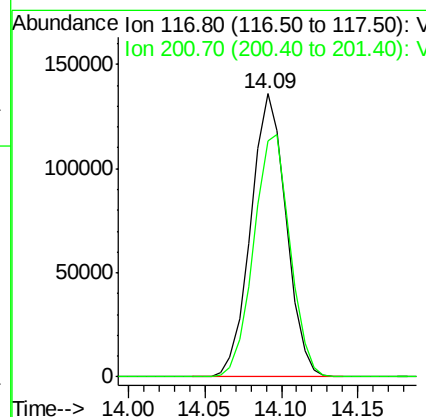
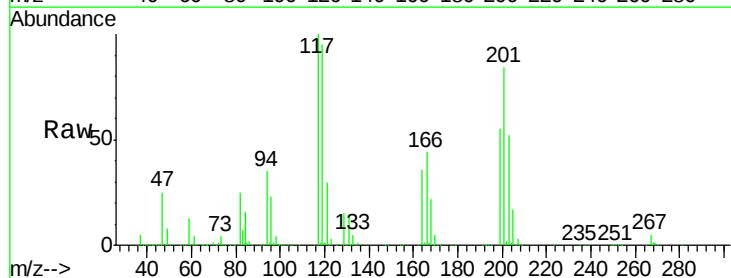
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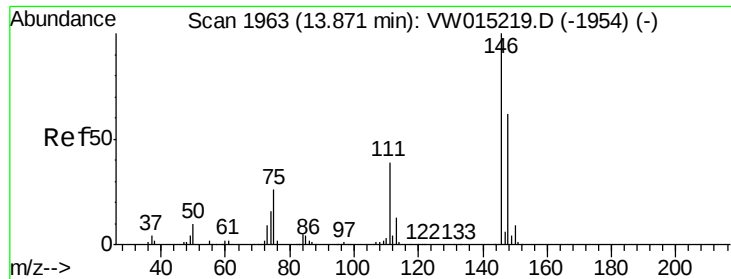
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#90  
Hexachloroethane  
Concen: 93.221 ug/l  
RT: 14.09 min Scan# 1999  
Delta R.T. 0.00 min  
Lab File: VW015220.D  
Acq: 20 Apr 2020 13:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 87.9  | 33.6  | 100.6 |





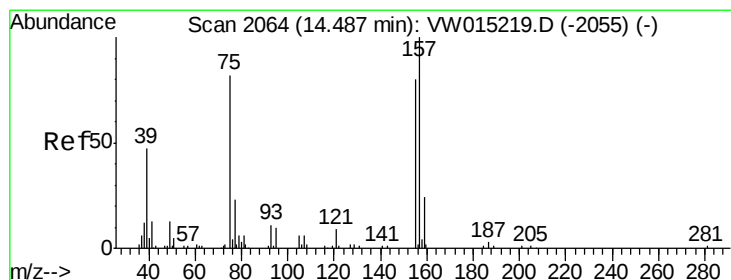
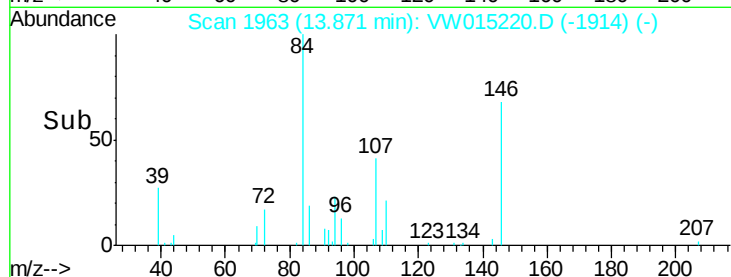
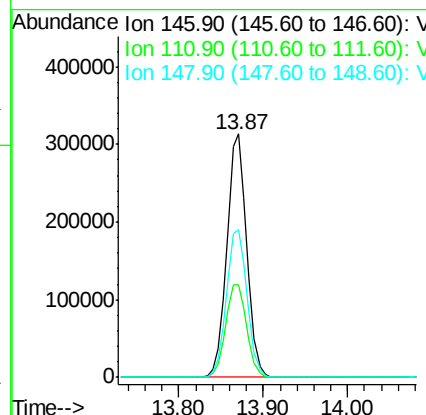
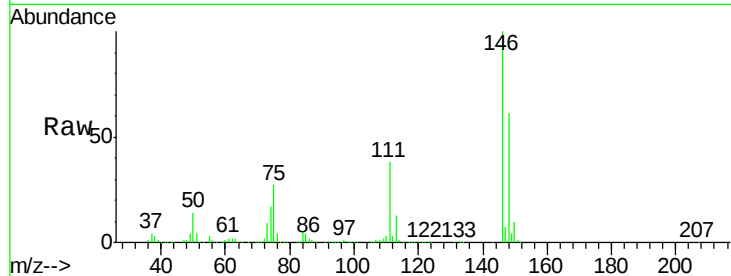
#91  
 1,2-Dichlorobenzene  
 Concen: 104.602 ug/l  
 RT: 13.87 min Scan# 1963  
 Delta R.T. 0.00 min  
 Lab File: VW015220.D  
 Acq: 20 Apr 2020 13:43

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.5  | 21.6  | 65.0  |
| 148     | 63.4  | 31.0  | 93.0  |

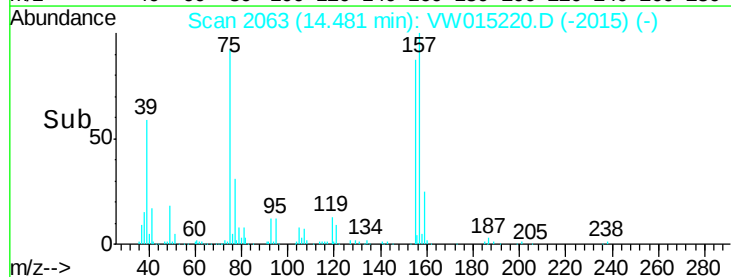
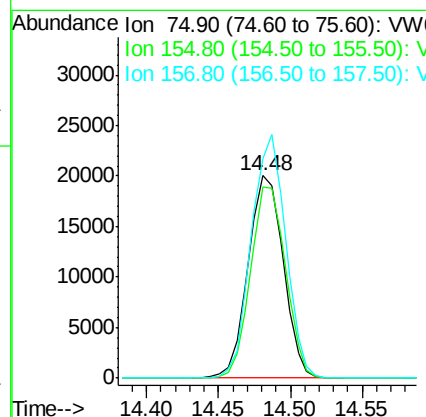
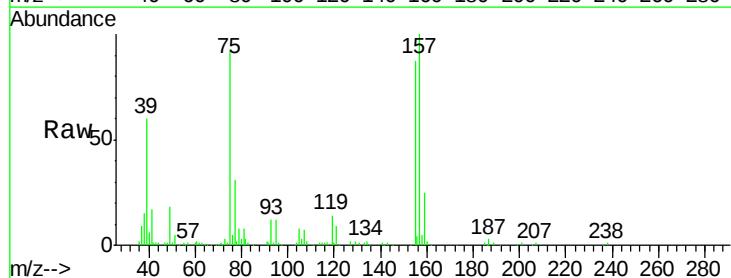
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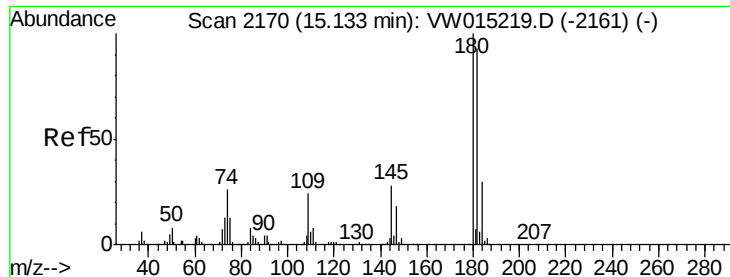
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 94.580 ug/l  
 RT: 14.48 min Scan# 2063  
 Delta R.T. -0.01 min  
 Lab File: VW015220.D  
 Acq: 20 Apr 2020 13:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 94.1  | 41.6  | 124.9 |
| 157     | 117.3 | 53.8  | 161.2 |





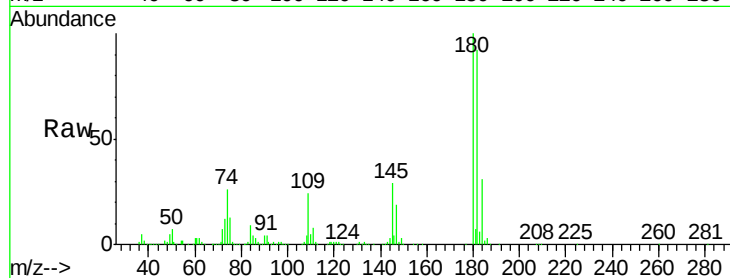
#93  
 1,2,4-Trichlorobenzene  
 Concen: 114.324 ug/l  
 RT: 15.13 min Scan# 2170  
 Delta R.T. 0.00 min  
 Lab File: VW015220.D  
 Acq: 20 Apr 2020 13:43

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC100

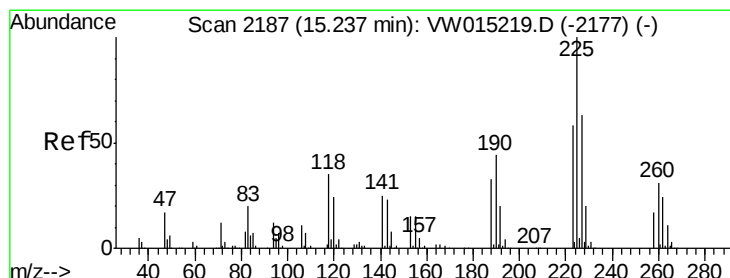
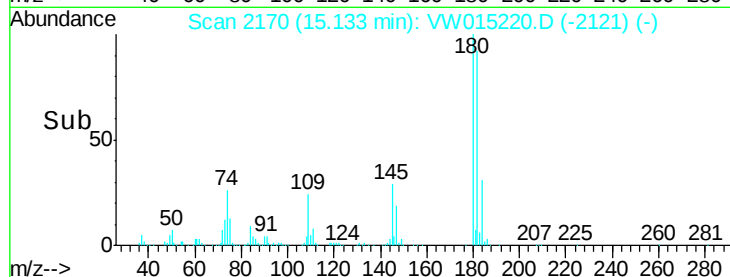
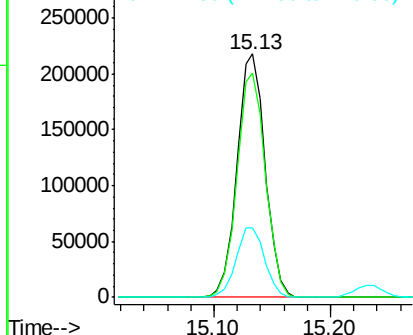
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 180     | 100   |      |       |       |
| 182     | 93.6  | 47.1 | 141.4 |       |
| 145     | 29.2  | 16.2 | 48.6  |       |

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 4/21/2020 10:01:25 AM

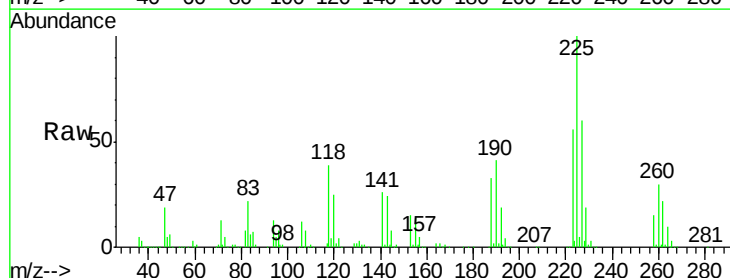


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

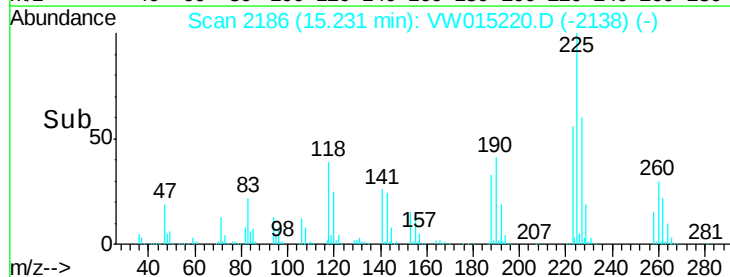
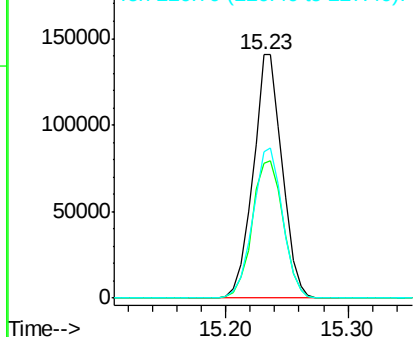


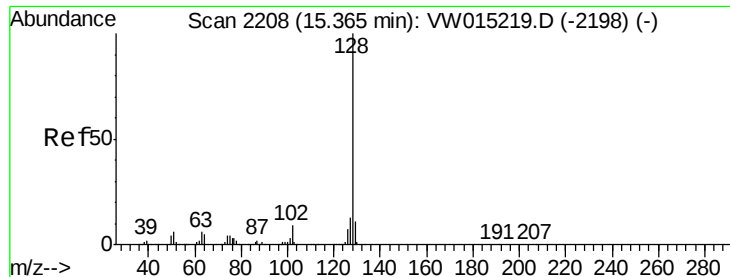
#94  
 Hexachlorobutadiene  
 Concen: 126.059 ug/l  
 RT: 15.23 min Scan# 2186  
 Delta R.T. -0.01 min  
 Lab File: VW015220.D  
 Acq: 20 Apr 2020 13:43

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 60.3  | 31.0 | 93.0  |       |
| 227     | 63.3  | 30.8 | 92.3  |       |



Abundance Ion 224.70 (224.40 to 225.40): V  
 Ion 222.70 (222.40 to 223.40): V  
 Ion 226.70 (226.40 to 227.40): V





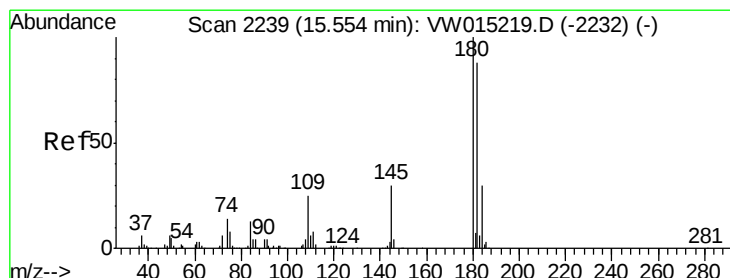
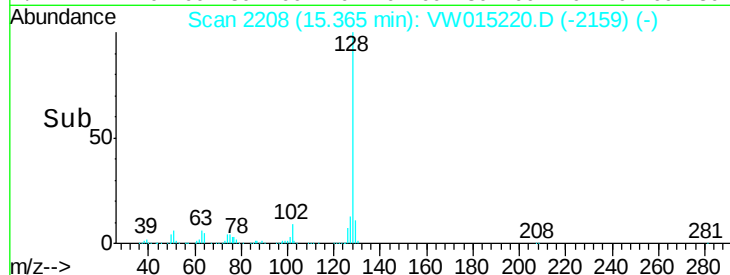
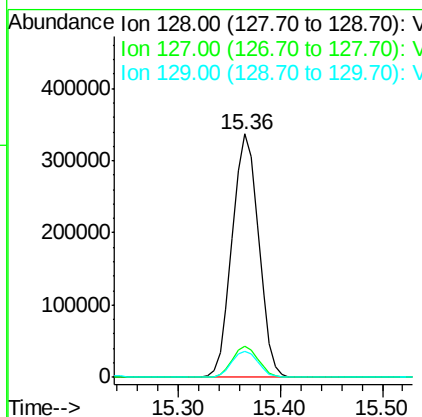
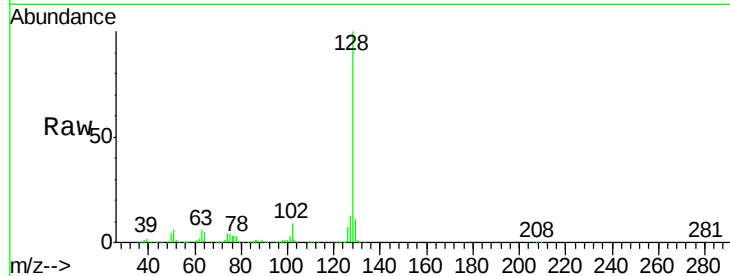
#95  
Naphthalene  
Concen: 98.270 ug/l  
RT: 15.36 min Scan# 2208  
Delta R.T. 0.00 min  
Lab File: VW015220.D  
Acq: 20 Apr 2020 13:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICC100

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 604052 |       |       |
| 127     | 12.7  |        | 10.3  | 15.5  |
| 129     | 10.9  |        | 8.6   | 12.8  |

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4/21/2020 10:01:25 AM



#96  
1,2,3-Trichlorobenzene  
Concen: 106.394 ug/l  
RT: 15.55 min Scan# 2239  
Delta R.T. 0.00 min  
Lab File: VW015220.D  
Acq: 20 Apr 2020 13:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 291743 |       |       |
| 182     | 96.5  |        | 48.8  | 146.3 |
| 145     | 31.4  |        | 17.2  | 51.6  |

