

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102319\  
 Data File : VW013661.D  
 Acq On : 23 Oct 2019 11:23  
 Operator : SY/VA  
 Sample : VSTDIC005  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

Manual Integrations  
 APPROVED

MMDadoda  
 10/24/2019 1:27:44 PM

Quant Time: Oct 23 14:02:20 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W102319S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 23 13:51:21 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 331826   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 474056   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 410625   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 207769   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |      |        |      |
|---------------------------|--------|-----|----------|------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 12560    | 4.85 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 9.70%  |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 13595    | 5.08 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 10.16% |      |
| 50) Toluene-d8            | 10.32  | 98  | 51852    | 4.62 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 9.24%  |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 18606    | 4.94 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 9.88%  |      |

## Target Compounds

|                               |      |     |        |        | Qvalue    |
|-------------------------------|------|-----|--------|--------|-----------|
| 2) Dichlorodifluoromethane    | 2.01 | 85  | 8731   | 7.497  | ug/l 94   |
| 3) Chloromethane              | 2.21 | 50  | 9956   | 5.251  | ug/l 90   |
| 4) Vinyl Chloride             | 2.37 | 62  | 14072  | 4.975  | ug/l 99   |
| 5) Bromomethane               | 2.79 | 94  | 10113  | 5.913  | ug/l 97   |
| 6) Chloroethane               | 2.92 | 64  | 8602   | 5.327  | ug/l 98   |
| 7) Trichlorofluoromethane     | 3.26 | 101 | 8435   | 6.071  | ug/l # 76 |
| 8) Diethyl Ether              | 3.68 | 74  | 7309   | 5.206  | ug/l 92   |
| 9) 1,1,2-Trichlorotrifluoroet | 4.08 | 101 | 15053  | 5.397  | ug/l 96   |
| 10) Methyl Iodide             | 4.29 | 142 | 23763  | 5.344  | ug/l 98   |
| 11) Tert butyl alcohol        | 5.20 | 59  | 3799   | 18.238 | ug/l # 83 |
| 12) 1,1-Dichloroethene        | 4.05 | 96  | 15123  | 5.222  | ug/l 92   |
| 13) Acrolein                  | 3.90 | 56  | 4509   | 22.636 | ug/l 100  |
| 14) Allyl chloride            | 4.67 | 41  | 23000  | 5.165  | ug/l 98   |
| 15) Acrylonitrile             | 5.37 | 53  | 14743  | 22.942 | ug/l 98   |
| 16) Acetone                   | 4.14 | 43  | 13284  | 22.548 | ug/l 93   |
| 17) Carbon Disulfide          | 4.39 | 76  | 41578  | 5.097  | ug/l 95   |
| 18) Methyl Acetate            | 4.69 | 43  | 7608   | 4.528  | ug/l 99   |
| 19) Methyl tert-butyl Ether   | 5.43 | 73  | 18493  | 4.368  | ug/l 95   |
| 20) Methylene Chloride        | 4.92 | 84  | 21939  | 6.657  | ug/l 97   |
| 21) trans-1,2-Dichloroethene  | 5.43 | 96  | 16604  | 5.379  | ug/l 97   |
| 22) Diisopropyl ether         | 6.31 | 45  | 42261  | 5.078  | ug/l 98   |
| 23) Vinyl Acetate             | 6.26 | 43  | 114040 | 22.945 | ug/l 100  |
| 24) 1,1-Dichloroethane        | 6.21 | 63  | 26762  | 5.226  | ug/l 97   |
| 25) 2-Butanone                | 7.18 | 43  | 19384  | 22.425 | ug/l 97   |
| 26) 2,2-Dichloropropane       | 7.17 | 77  | 17701  | 5.484  | ug/l 95   |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96  | 17124  | 5.235  | ug/l 91   |
| 28) Bromochloromethane        | 7.51 | 49  | 9043   | 4.948  | ug/l 99   |
| 29) Tetrahydrofuran           | 7.53 | 42  | 11386  | 21.577 | ug/l 98   |
| 30) Chloroform                | 7.68 | 83  | 27893  | 5.638  | ug/l 84   |
| 31) Cyclohexane               | 7.95 | 56  | 31938  | 5.918  | ug/l # 80 |
| 32) 1,1,1-Trichloroethane     | 7.88 | 97  | 20688  | 5.169  | ug/l 98   |
| 36) 1,1-Dichloropropene       | 8.08 | 75  | 22305  | 5.173  | ug/l 98   |
| 37) Ethyl Acetate             | 7.25 | 43  | 8572   | 4.495  | ug/l # 86 |
| 38) Carbon Tetrachloride      | 8.07 | 117 | 20084  | 5.266  | ug/l 97   |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102319\  
 Data File : VW013661.D  
 Acq On : 23 Oct 2019 11:23  
 Operator : SY/VA  
 Sample : VSTDIC005  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleID :  
 VSTDIC005

Manual Integrations  
 APPROVED

MMDadoda  
 10/24/2019 1:27:44 PM

Quant Time: Oct 23 14:02:20 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W102319S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 23 13:51:21 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 28336    | 5.070  | ug/l   | 96       |
| 40) Benzene                    | 8.32  | 78   | 63464    | 5.261  | ug/l   | 95       |
| 41) Methacrylonitrile          | 7.48  | 41   | 5411     | 4.961  | ug/l   | 89       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 15884    | 5.207  | ug/l   | 97       |
| 43) Isopropyl Acetate          | 8.42  | 43   | 16168    | 4.650  | ug/l   | 100      |
| 44) Trichloroethene            | 9.09  | 130  | 18403    | 5.346  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 14715    | 5.077  | ug/l   | 98       |
| 46) Dibromomethane             | 9.46  | 93   | 7153     | 4.970  | ug/l   | 100      |
| 47) Bromodichloromethane       | 9.65  | 83   | 18865    | 5.247  | ug/l   | 90       |
| 48) Methyl methacrylate        | 9.44  | 41   | 6918     | 4.016  | ug/l   | 93       |
| 49) 1,4-Dioxane                | 9.46  | 88   | 2201     | 89.858 | ug/l # | 99       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 40117    | 22.104 | ug/l   | 100      |
| 52) Toluene                    | 10.39 | 92   | 41241    | 5.305  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.60 | 75   | 18273    | 4.904  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 22261    | 4.917  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 11410    | 5.297  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 12008    | 4.192  | ug/l   | 92       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 19021    | 5.136  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 9.92  | 63   | 29938    | 22.226 | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.97 | 43   | 26502    | 21.346 | ug/l   | 99       |
| 60) Dibromochloromethane       | 11.13 | 129  | 12256    | 4.944  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 10155    | 4.953  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.86 | 164  | 15549    | 5.111  | ug/l   | 96       |
| 65) Chlorobenzene              | 11.66 | 112  | 43162    | 5.261  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 14498    | 5.075  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.73 | 91   | 75522    | 5.031  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.84 | 106  | 58181    | 10.189 | ug/l   | 97       |
| 69) o-Xylene                   | 12.16 | 106  | 26017    | 4.923  | ug/l   | 100      |
| 70) Styrene                    | 12.18 | 104  | 44212    | 4.875  | ug/l   | 100      |
| 71) Bromoform                  | 12.35 | 173  | 7561     | 4.866  | ug/l # | 92       |
| 73) Isopropylbenzene           | 12.46 | 105  | 73550    | 4.932  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.27 | 43   | 13380    | 4.179  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 12238    | 4.873  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 8088m    | 4.738  | ug/l   |          |
| 77) Bromobenzene               | 12.74 | 156  | 17951    | 5.062  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.80 | 91   | 82467    | 4.780  | ug/l   | 97       |
| 79) 2-Chlorotoluene            | 12.89 | 91   | 48770    | 5.037  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 61473    | 4.937  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.51 | 75   | 3805     | 4.542  | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 50646    | 5.028  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.21 | 119  | 55212    | 4.994  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 13.25 | 105  | 60832    | 4.940  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.38 | 105  | 75668    | 4.972  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.50 | 119  | 70845    | 5.054  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 13.50 | 146  | 35252    | 5.229  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 35810    | 5.420  | ug/l   | 95       |
| 89) n-Butylbenzene             | 13.82 | 91   | 62045    | 4.902  | ug/l   | 99       |
| 90) Hexachloroethane           | 14.09 | 117  | 12612    | 5.223  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 30467    | 5.135  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 1769     | 4.446  | ug/l   | 95       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102319\  
Data File : VW013661.D  
Acq On : 23 Oct 2019 11:23  
Operator : SY/VA  
Sample : VSTDICC005  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICC005

Manual Integrations  
APPROVED

MMDadoda  
10/24/2019 1:27:44 PM

Quant Time: Oct 23 14:02:20 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W102319S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 23 13:51:21 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.13 | 180  | 20516    | 4.868 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 15080    | 5.386 | ug/l  | 98       |
| 95) Naphthalene            | 15.36 | 128  | 28724    | 3.984 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.55 | 180  | 18074    | 4.901 | ug/l  | 98       |

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

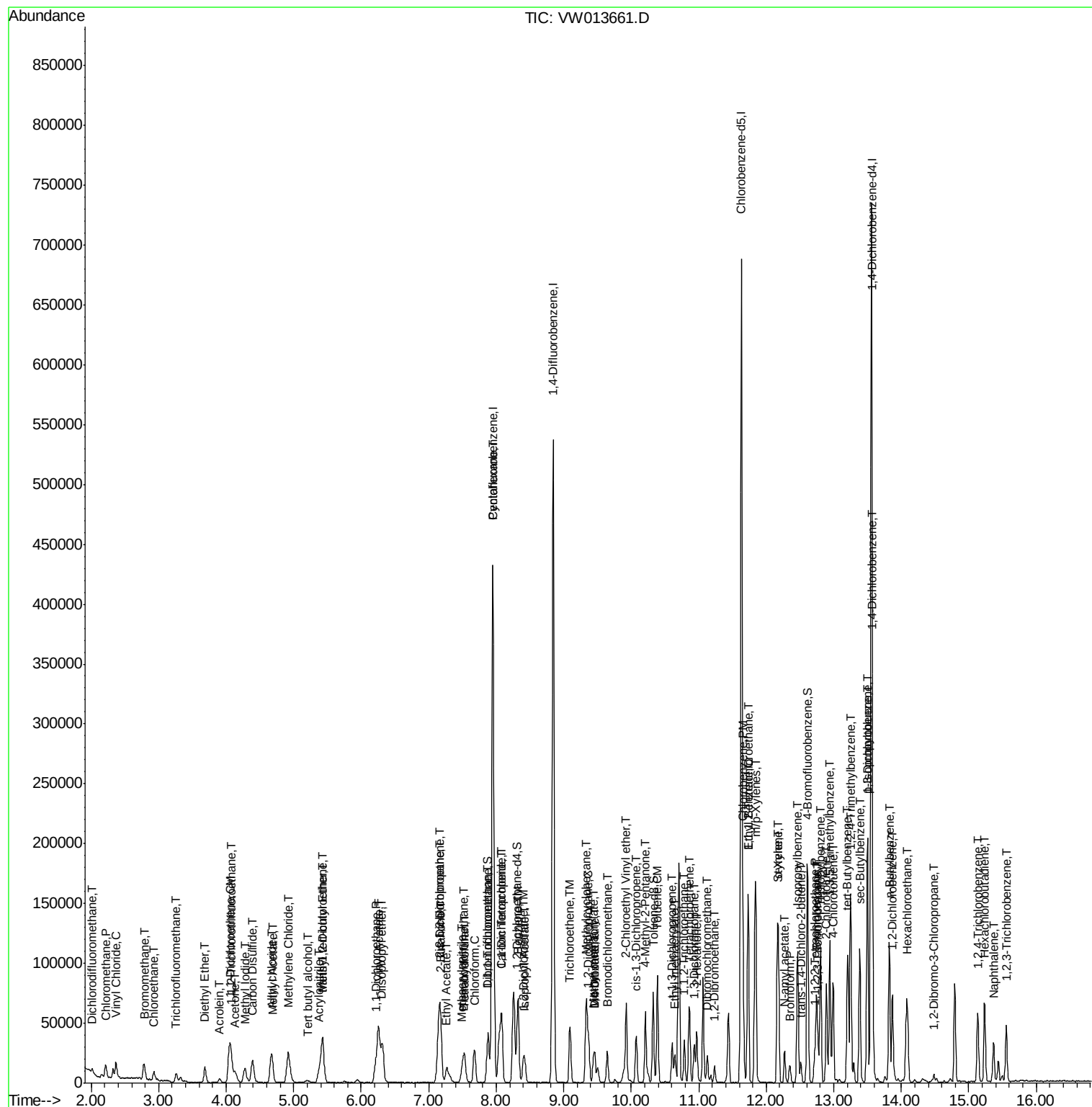
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102319\  
 Data File : VW013661.D  
 Acq On : 23 Oct 2019 11:23  
 Operator : SY/VA  
 Sample : VSTDIC005  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

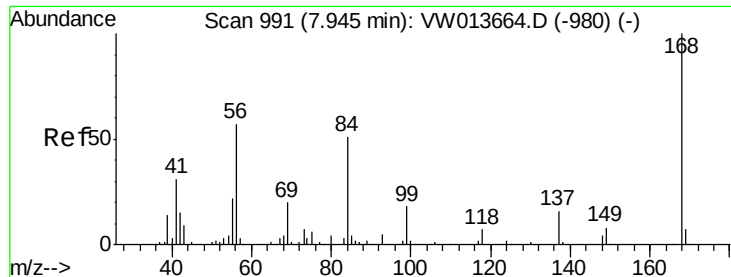
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

Manual Integrations  
 APPROVED

MMDadoda  
 10/24/2019 1:27:44 PM

Quant Time: Oct 23 14:02:20 2019  
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W102319S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 23 13:51:21 2019  
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 331826

Ion Ratio Lower Upper

168 100

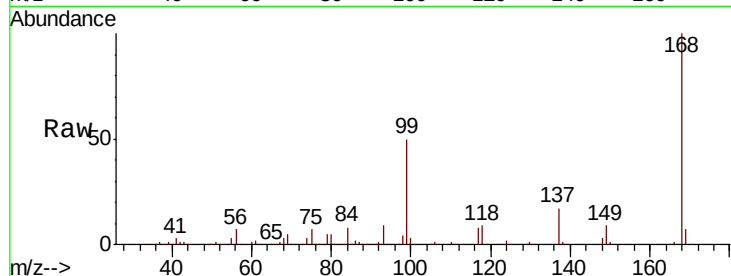
99 49.6 39.0 58.6

Manual Integrations

APPROVED

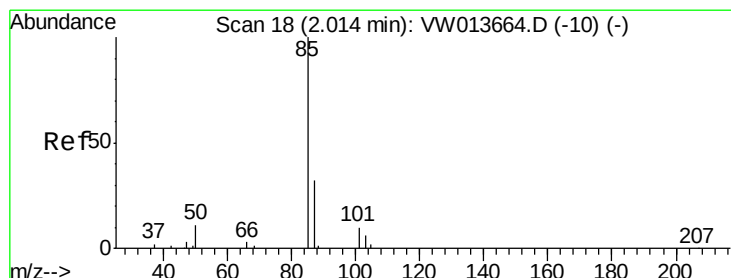
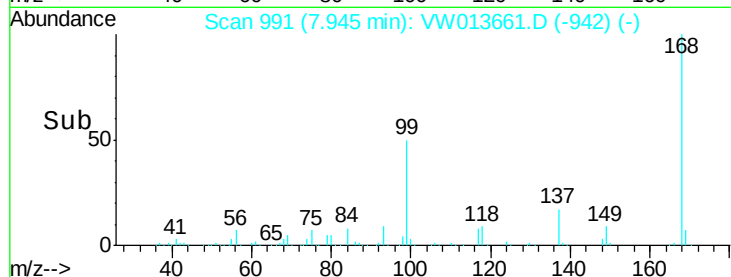
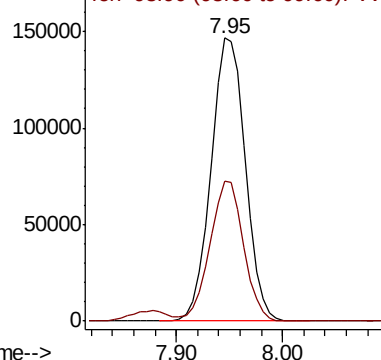
MMDadoda

10/24/2019 1:27:44 PM



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 7.497 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW013661.D

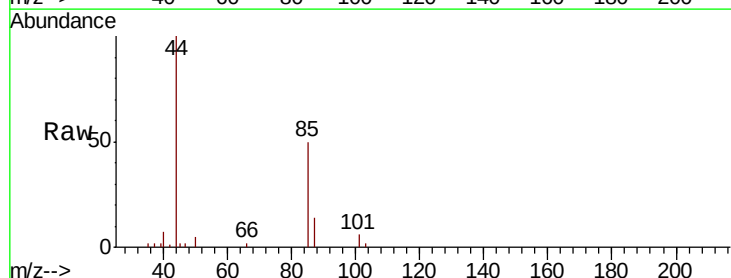
Acq: 23 Oct 2019 11:23

Tgt Ion: 85 Resp: 8731

Ion Ratio Lower Upper

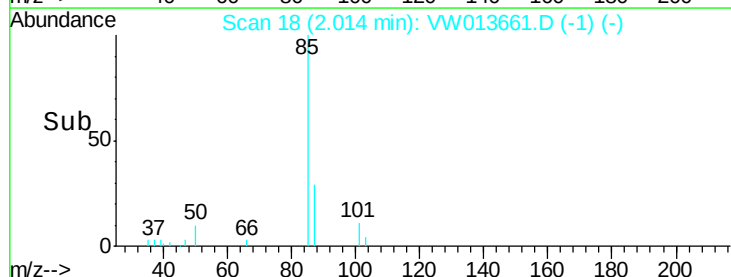
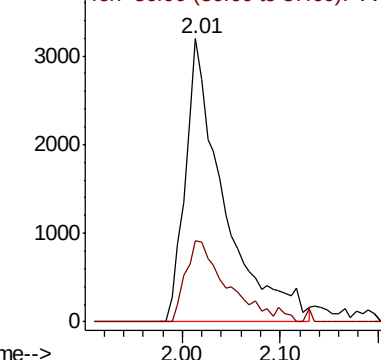
85 100

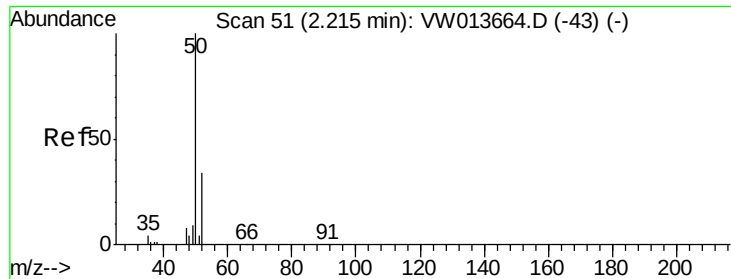
87 28.8 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 5.251 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 9956

Ion Ratio Lower Upper

50 100

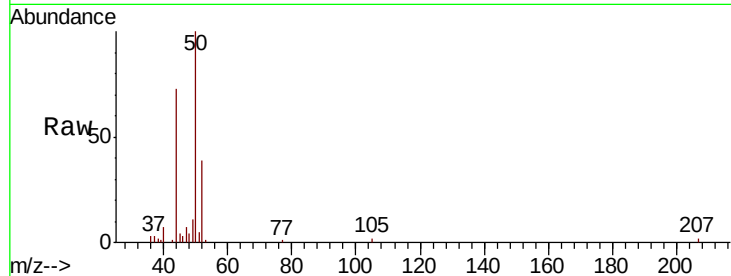
52 39.1 26.9 40.3

Manual Integrations

APPROVED

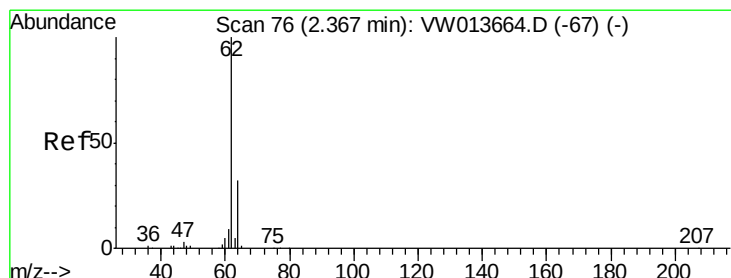
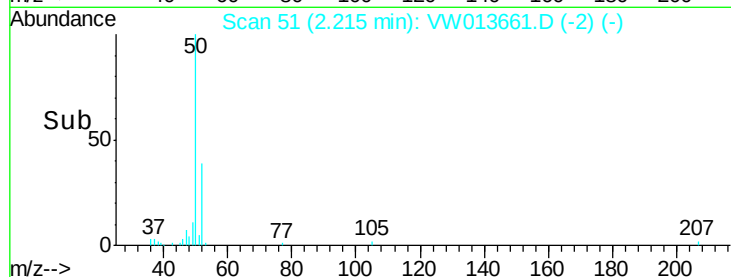
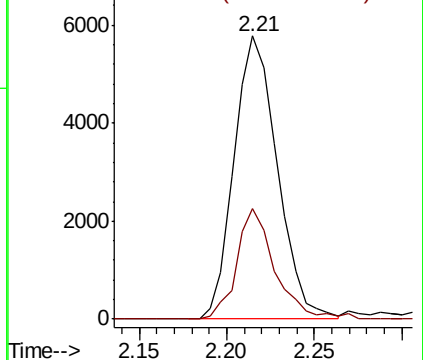
MMDadoda

10/24/2019 1:27:44 PM



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 4.975 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW013661.D

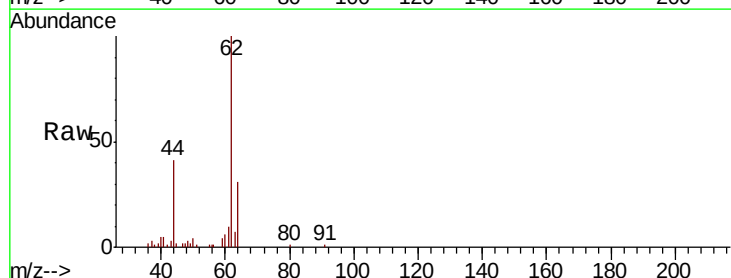
Acq: 23 Oct 2019 11:23

Tgt Ion: 62 Resp: 14072

Ion Ratio Lower Upper

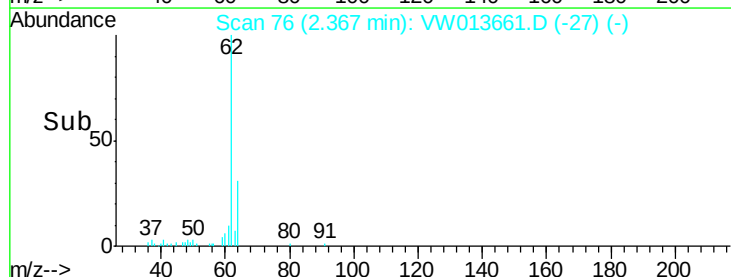
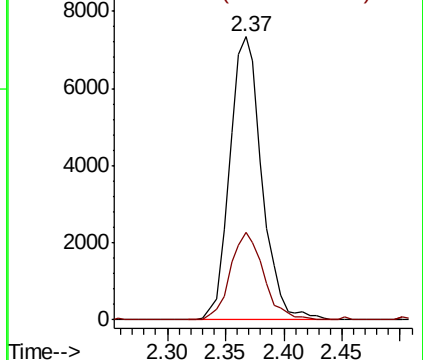
62 100

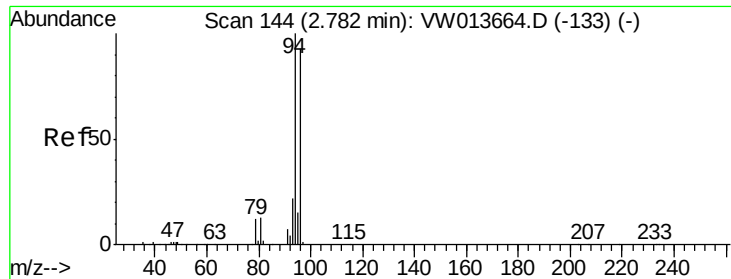
64 31.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 5.913 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 10113

Ion Ratio Lower Upper

94 100

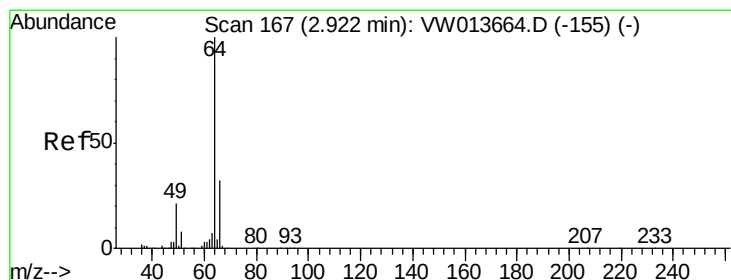
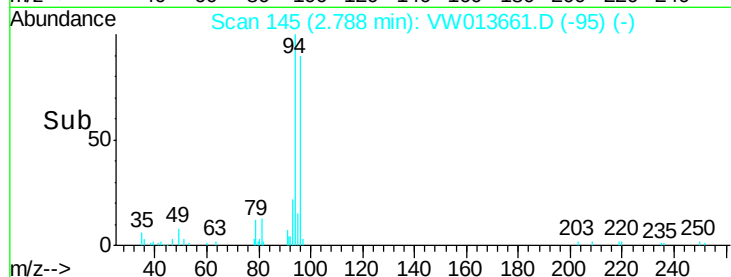
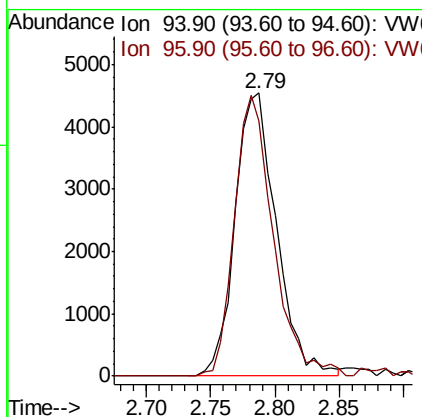
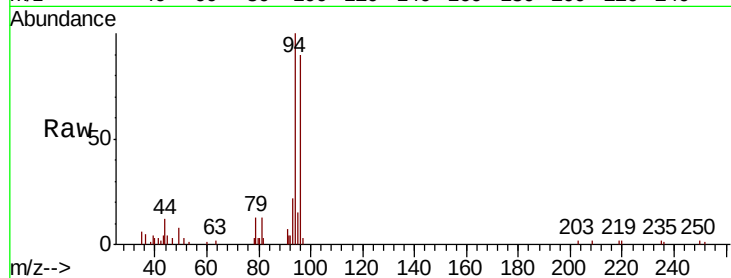
96 90.2 74.6 112.0

Manual Integrations

APPROVED

MMDadoda

10/24/2019 1:27:44 PM



#6

Chloroethane

Concen: 5.327 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW013661.D

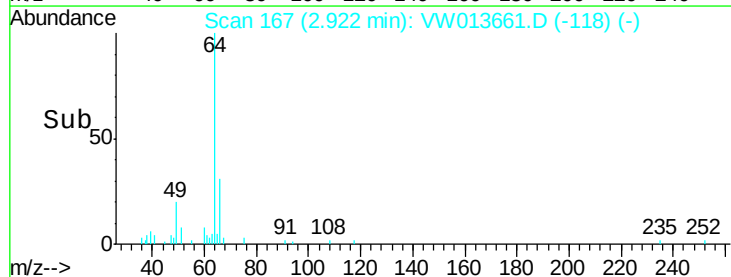
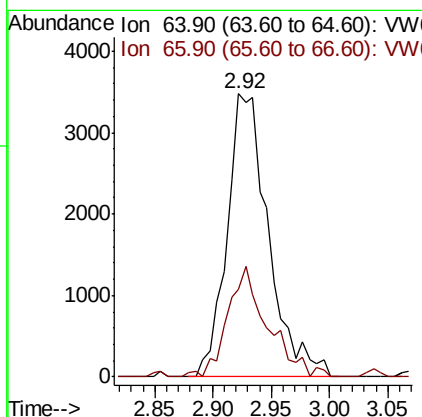
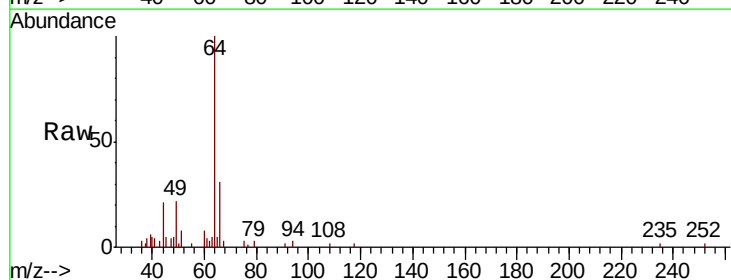
Acq: 23 Oct 2019 11:23

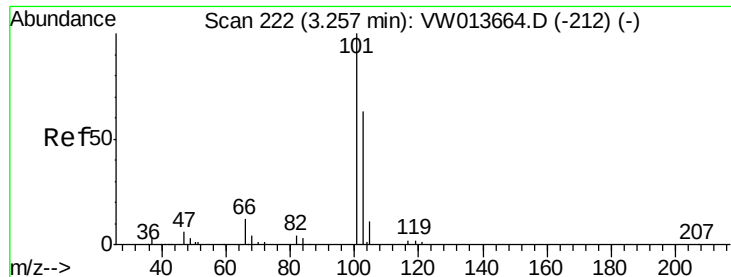
Tgt Ion: 64 Resp: 8602

Ion Ratio Lower Upper

64 100

66 30.8 25.4 38.0





#7

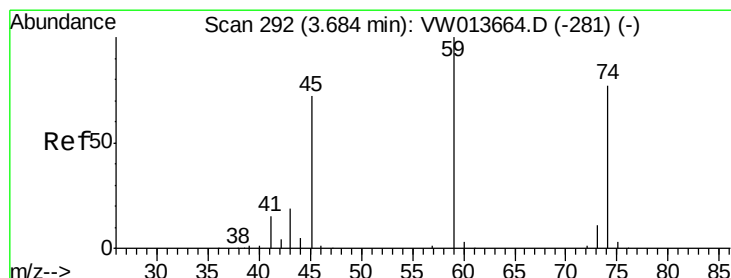
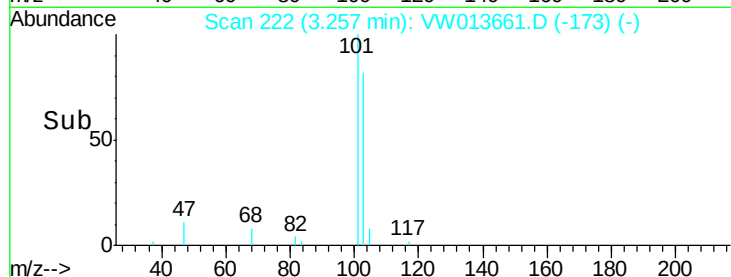
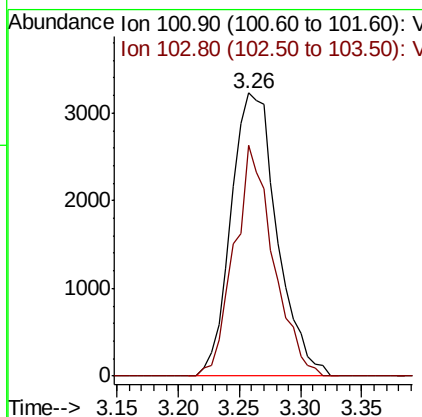
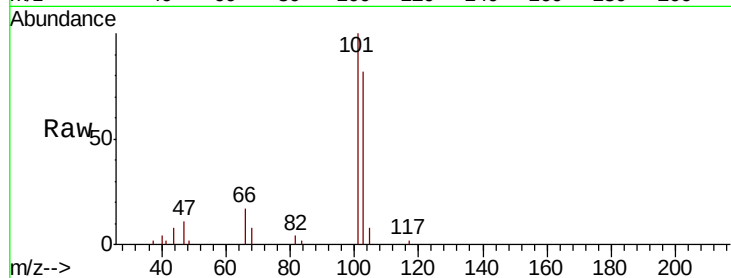
Trichlorofluoromethane  
Concen: 6.071 ug/l  
RT: 3.26 min Scan# 222  
Delta R.T. 0.00 min  
Lab File: VW013661.D  
Acq: 23 Oct 2019 11:23

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 81.7  | 50.6  | 76.0  |

Manual Integrations  
APPROVED

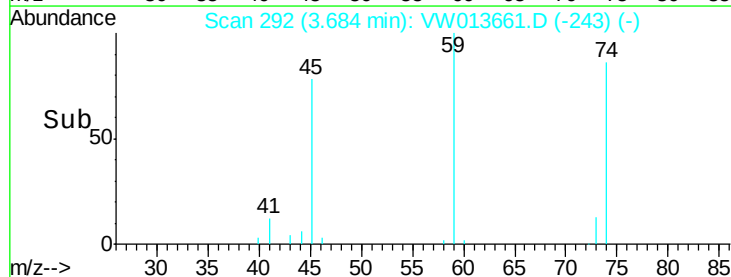
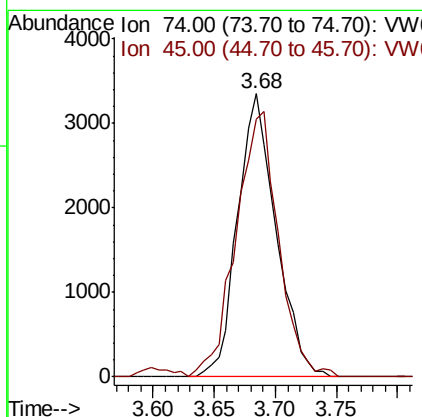
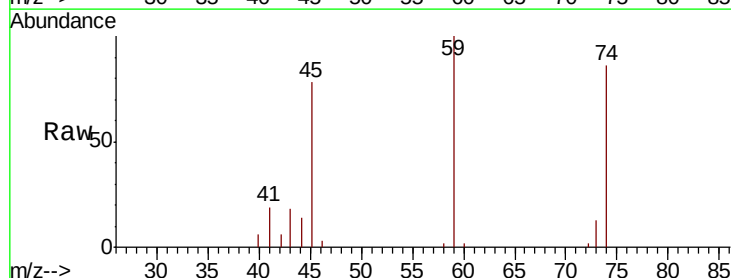
MMDadoda  
10/24/2019 1:27:44 PM



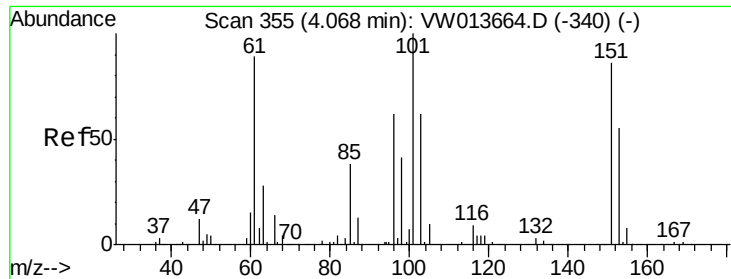
#8

Diethyl Ether  
Concen: 5.206 ug/l  
RT: 3.68 min Scan# 292  
Delta R.T. 0.00 min  
Lab File: VW013661.D  
Acq: 23 Oct 2019 11:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 103.5 | 47.9  | 143.6 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.397 ug/l

RT: 4.08 min Scan# 357

Delta R.T. 0.01 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

Instrument :

MSVOA\_W

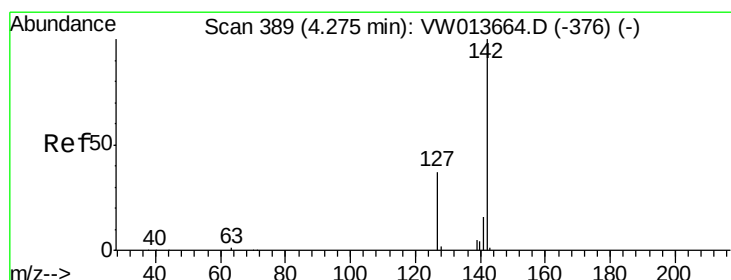
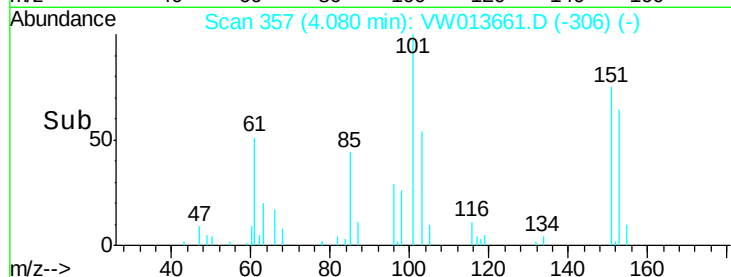
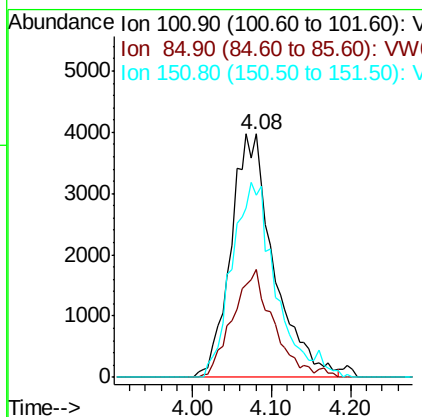
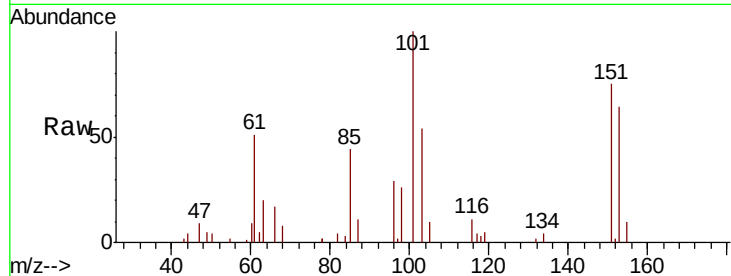
ClientSampleId :

VSTDIC005

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 15053 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 41.5  | 31.0  | 46.6  |
| 151       | 82.3  | 68.2  | 102.4 |

Manual Integrations  
APPROVED

MMDadoda  
10/24/2019 1:27:44 PM



#10

Methyl Iodide

Concen: 5.344 ug/l

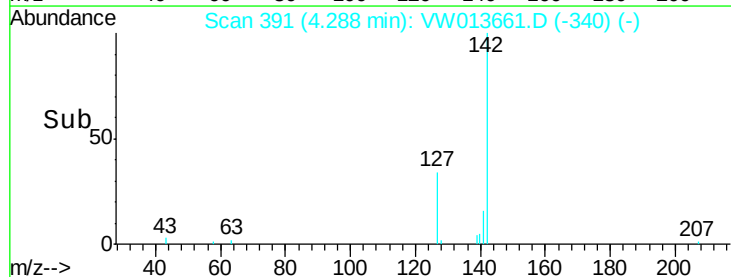
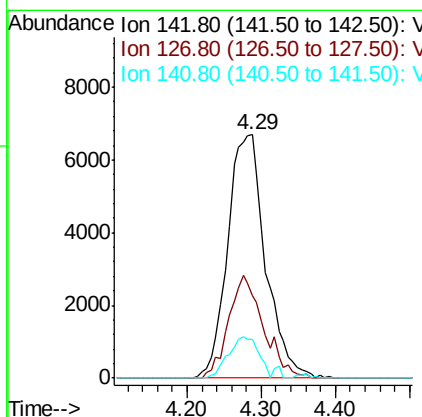
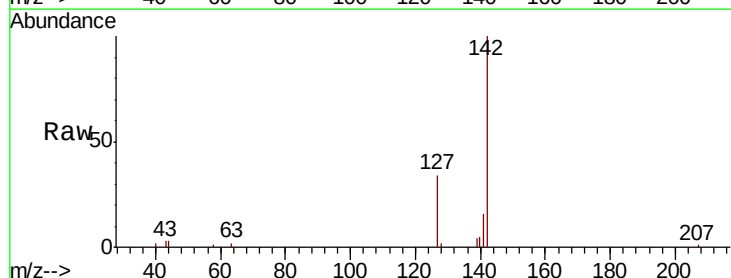
RT: 4.29 min Scan# 391

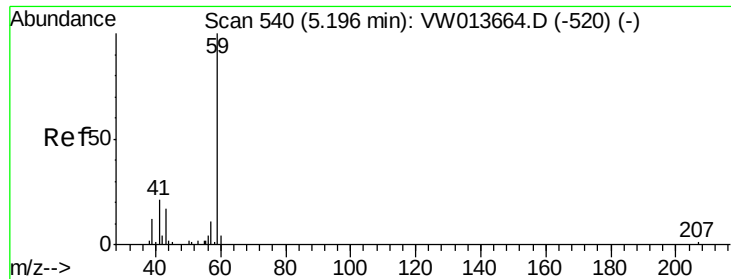
Delta R.T. 0.01 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 23763 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 39.1  | 30.3  | 45.5  |
| 141       | 13.5  | 11.8  | 17.8  |





#11

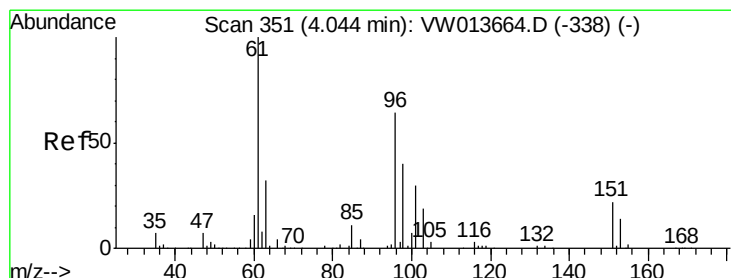
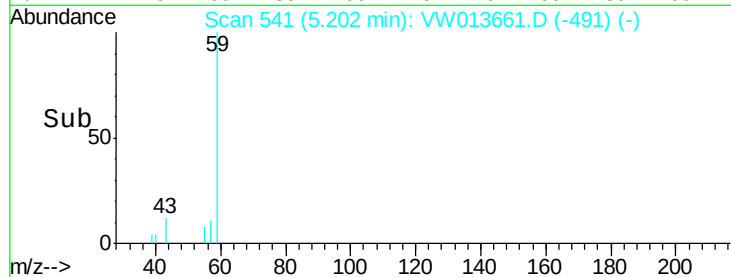
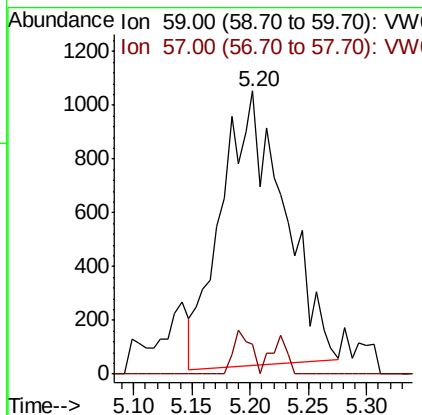
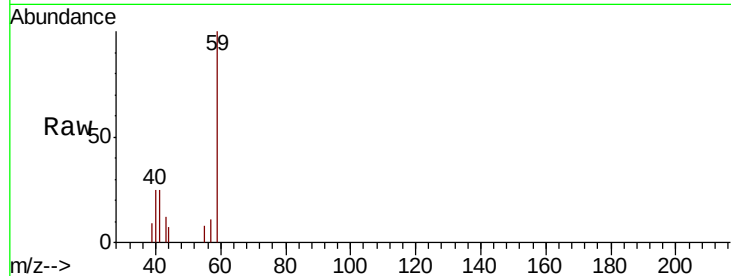
Tert butyl alcohol  
Concen: 18.238 ug/l  
RT: 5.20 min Scan# 541  
Delta R.T. 0.01 min  
Lab File: VW013661.D  
Acq: 23 Oct 2019 11:23

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

Tot Ion: 59 Resp: 3799  
Ion Ratio Lower Upper  
59 100  
57 4.6 8.8 13.2#

Manual Integrations  
APPROVED

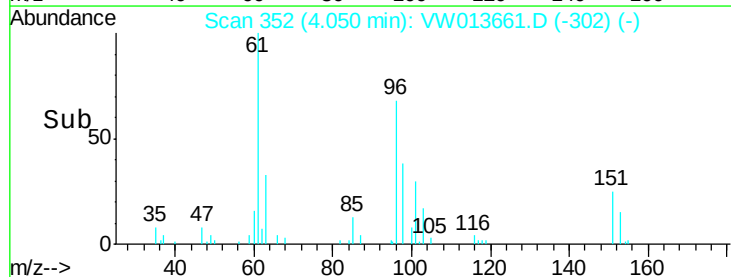
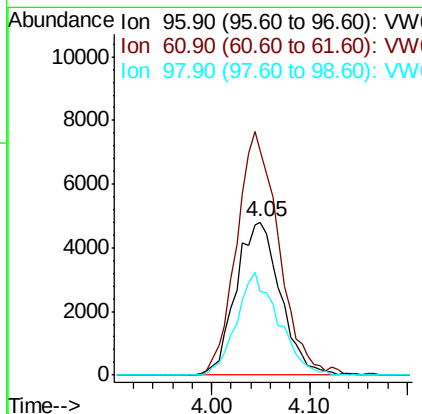
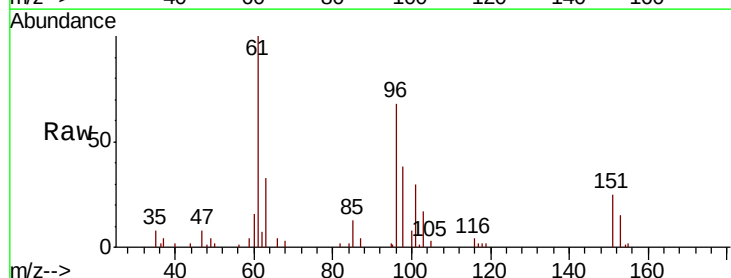
MMDadoda  
10/24/2019 1:27:44 PM

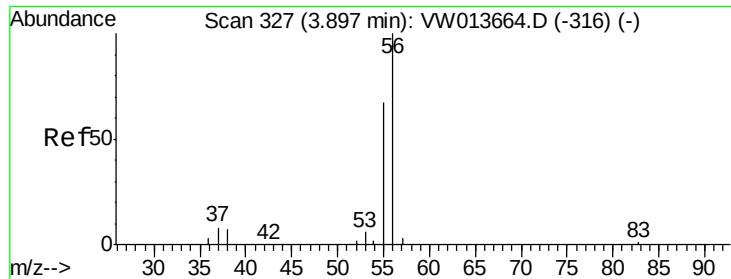


#12

1,1-Dichloroethene  
Concen: 5.222 ug/l  
RT: 4.05 min Scan# 352  
Delta R.T. 0.01 min  
Lab File: VW013661.D  
Acq: 23 Oct 2019 11:23

Tgt Ion: 96 Resp: 15123  
Ion Ratio Lower Upper  
96 100  
61 146.3 125.0 187.6  
98 54.9 50.3 75.5





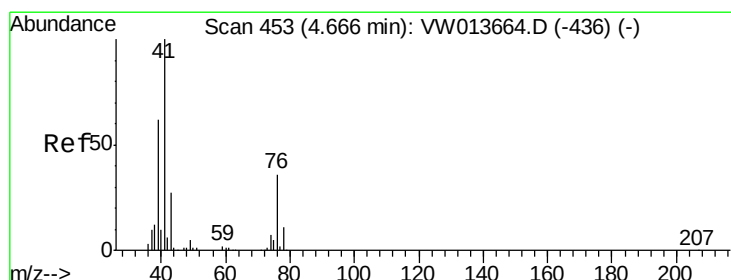
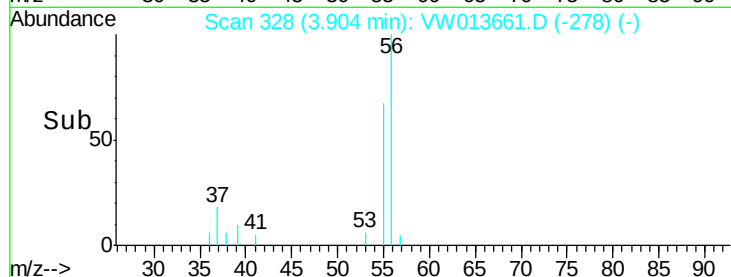
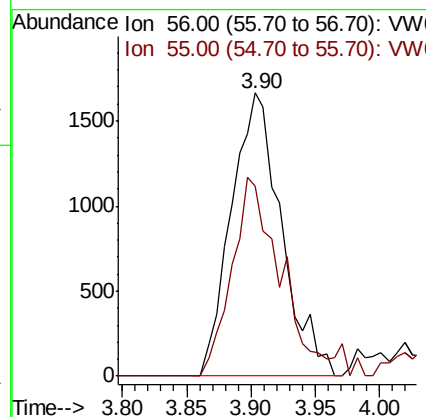
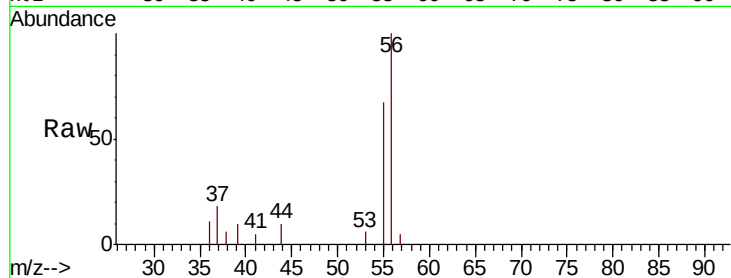
#13  
Acrolein  
Concen: 22.636 ug/l  
RT: 3.90 min Scan# 328  
Delta R.T. 0.01 min  
Lab File: VW013661.D  
Acq: 23 Oct 2019 11:23

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 55      | 70.5  | 56.1  | 84.1  |

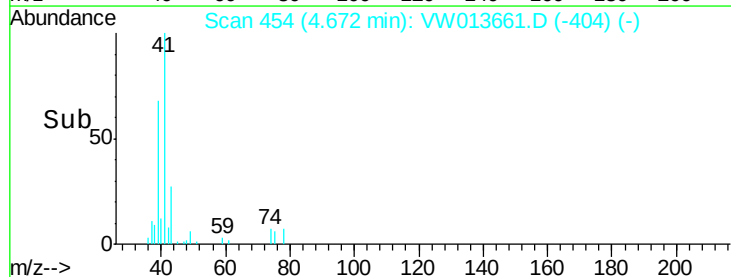
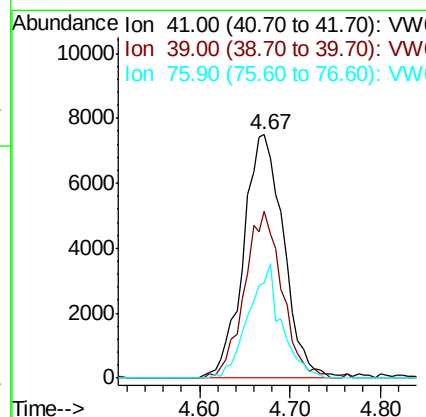
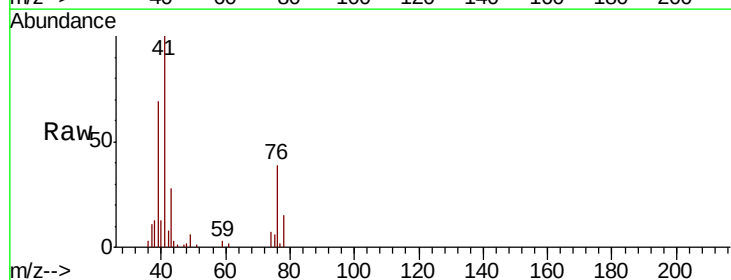
Manual Integrations  
APPROVED

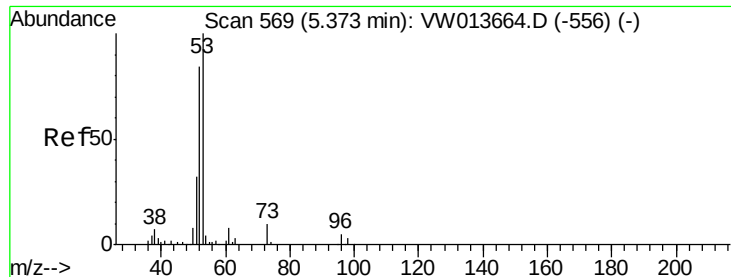
MMDadoda  
10/24/2019 1:27:44 PM



#14  
Allyl chloride  
Concen: 5.165 ug/l  
RT: 4.67 min Scan# 454  
Delta R.T. 0.01 min  
Lab File: VW013661.D  
Acq: 23 Oct 2019 11:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 64.0  | 50.0  | 75.0  |
| 76      | 38.1  | 29.6  | 44.4  |





#15

Acrylonitrile

Concen: 22.942 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

Instrument :

MSVOA\_W

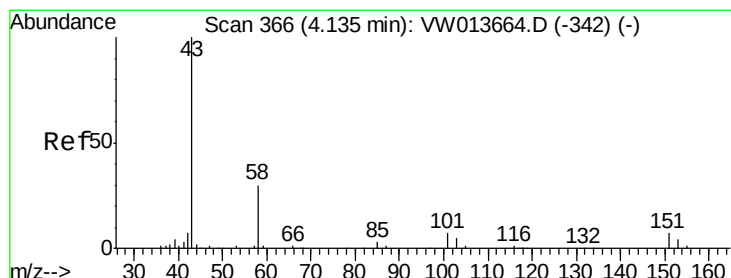
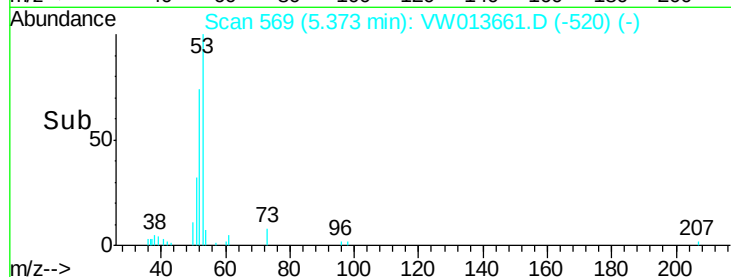
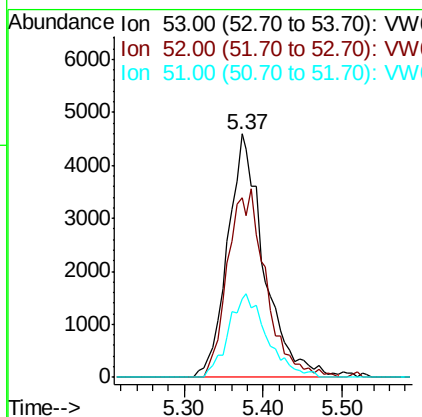
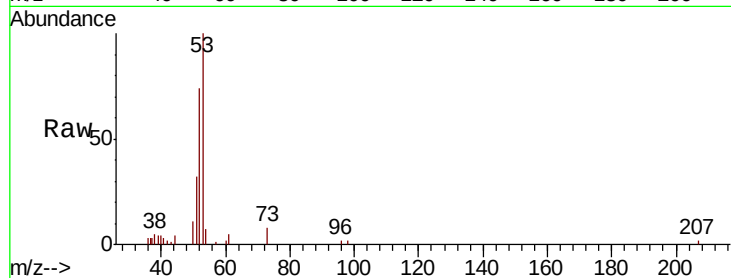
ClientSampleId :

VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 14743 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 81.2  | 67.4  | 101.0 |
| 51       | 36.2  | 29.1  | 43.7  |

Manual Integrations  
APPROVED

MMDadoda  
10/24/2019 1:27:44 PM



#16

Acetone

Concen: 22.548 ug/l

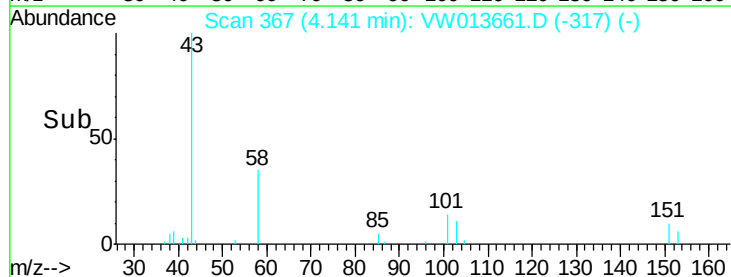
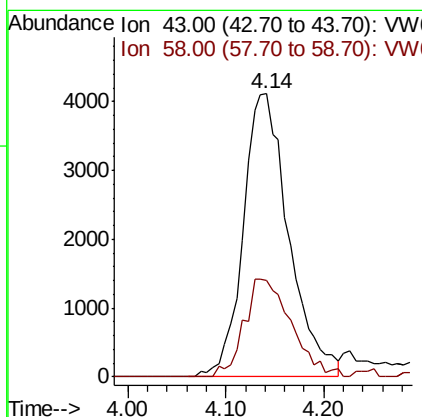
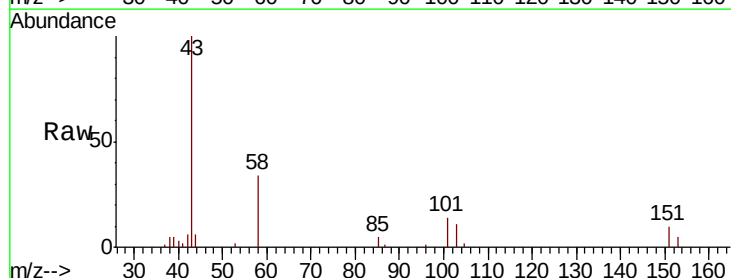
RT: 4.14 min Scan# 367

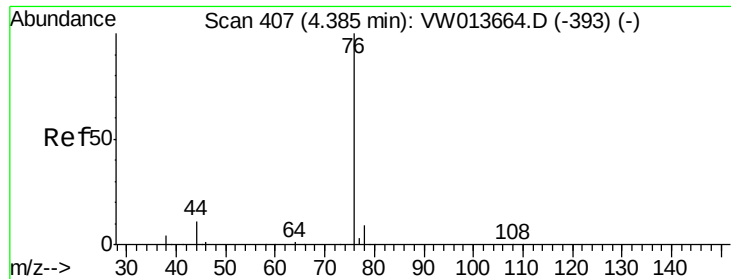
Delta R.T. 0.01 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 13284 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 34.2  | 24.1  | 36.1  |





#17

Carbon Disulfide

Concen: 5.097 ug/l

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 41578

Ion Ratio Lower Upper

76 100

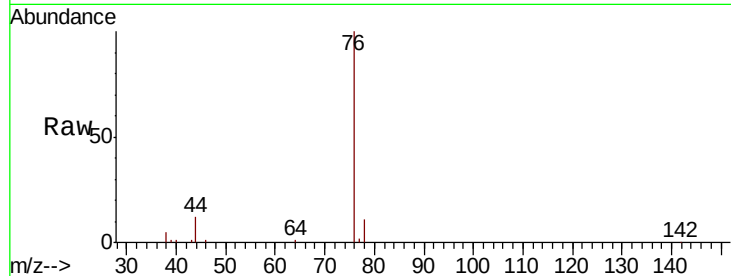
78 10.5 7.0 10.6

Manual Integrations

APPROVED

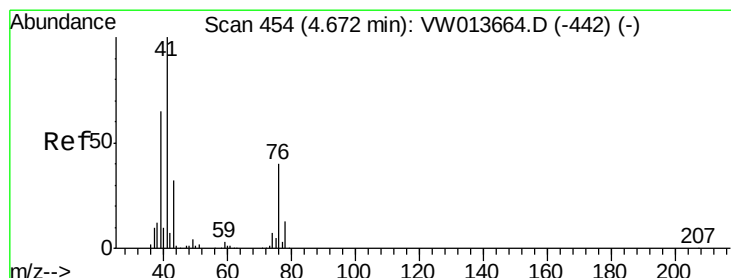
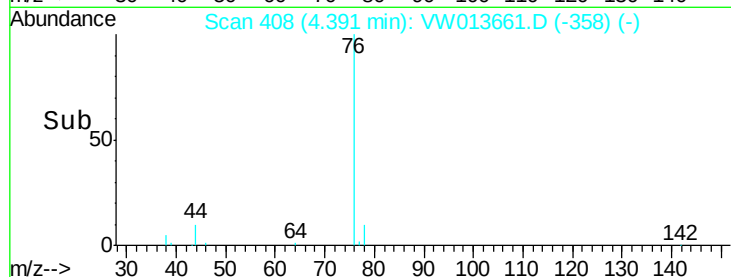
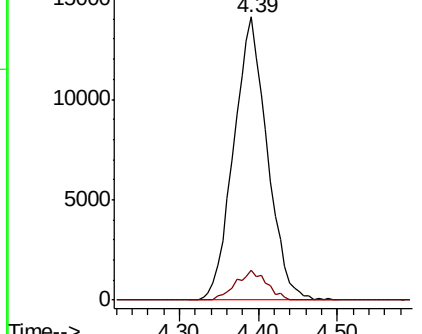
MMDadoda

10/24/2019 1:27:44 PM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 4.528 ug/l

RT: 4.69 min Scan# 457

Delta R.T. 0.02 min

Lab File: VW013661.D

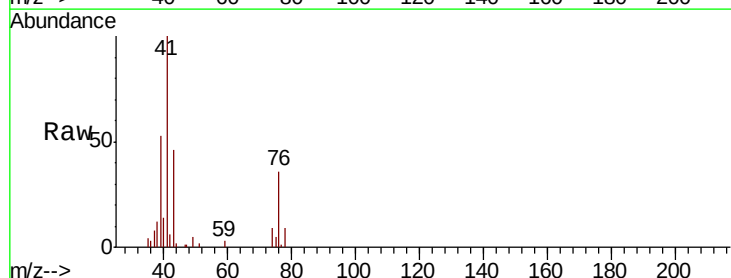
Acq: 23 Oct 2019 11:23

Tgt Ion: 43 Resp: 7608

Ion Ratio Lower Upper

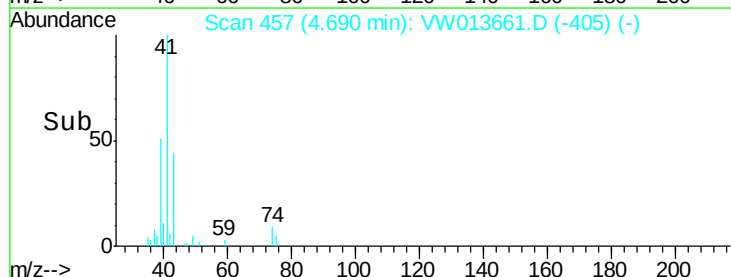
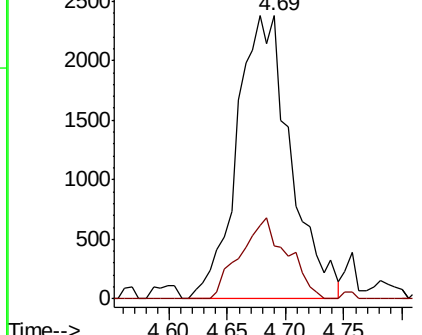
43 100

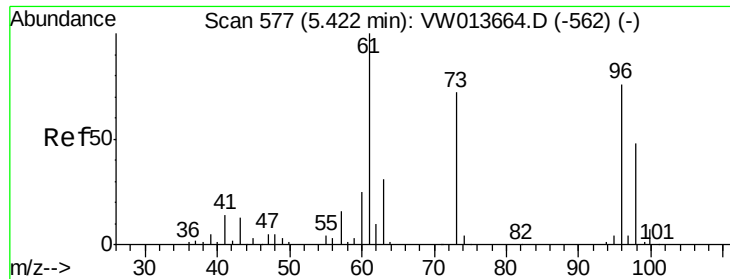
74 25.1 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





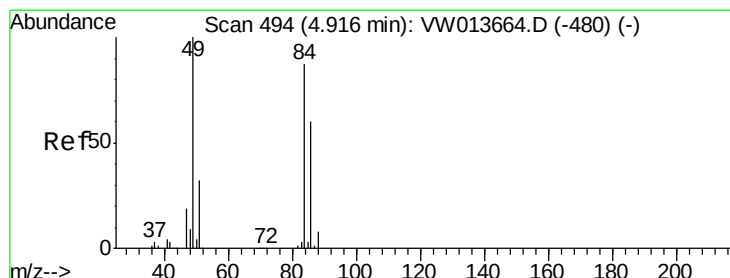
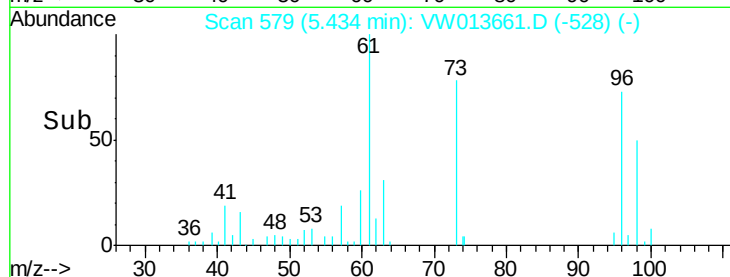
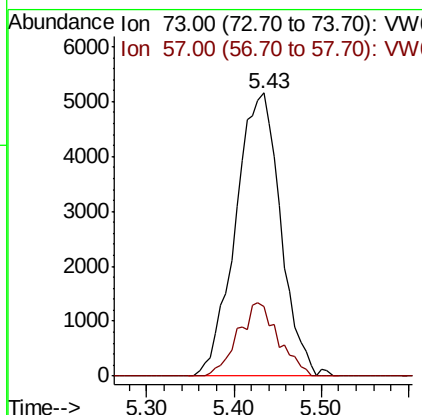
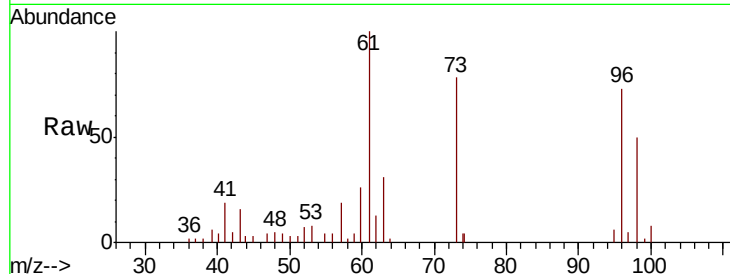
#19  
Methyl tert-butyl Ether  
Concen: 4.368 ug/l  
RT: 5.43 min Scan# 579  
Delta R.T. 0.01 min  
Lab File: VW013661.D  
Acq: 23 Oct 2019 11:23

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

Tot Ion: 73 Resp: 18493  
Ion Ratio Lower Upper  
73 100  
57 24.5 17.6 26.4

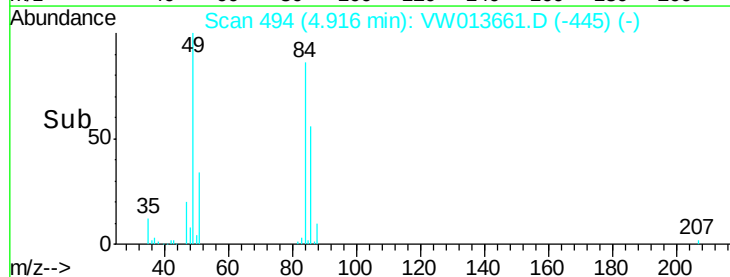
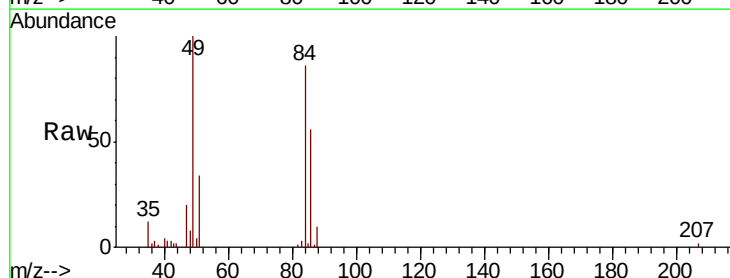
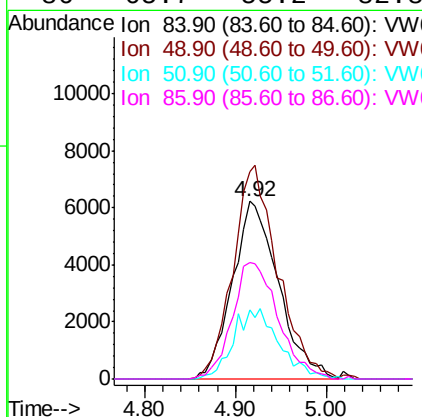
Manual Integrations  
APPROVED

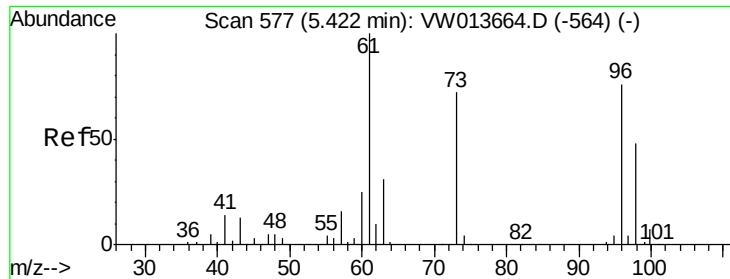
MMDadoda  
10/24/2019 1:27:44 PM



#20  
Methylene Chloride  
Concen: 6.657 ug/l  
RT: 4.92 min Scan# 494  
Delta R.T. 0.00 min  
Lab File: VW013661.D  
Acq: 23 Oct 2019 11:23

Tgt Ion: 84 Resp: 21939  
Ion Ratio Lower Upper  
84 100  
49 116.8 91.8 137.6  
51 39.1 29.8 44.6  
86 65.7 55.2 82.8





#21

trans-1,2-Dichloroethene

Concen: 5.379 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW013661.D

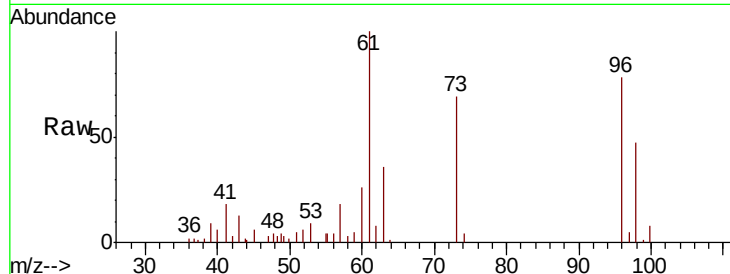
Acq: 23 Oct 2019 11:23

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 128.3 | 104.8 | 157.2 |
| 98      | 60.3  | 50.6  | 76.0  |

Manual Integrations  
APPROVED

MMDadoda  
10/24/2019 1:27:44 PM

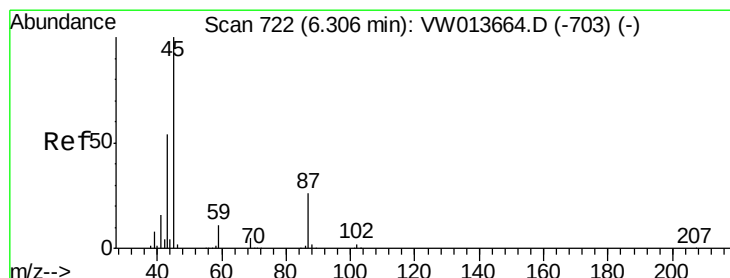
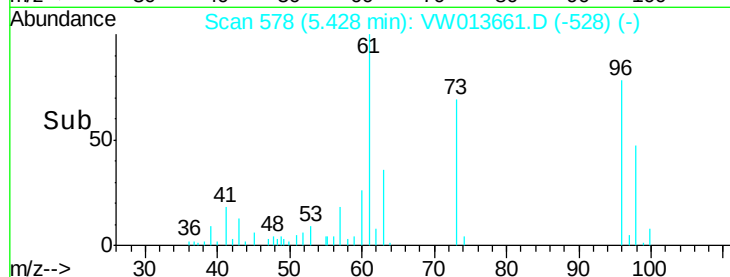
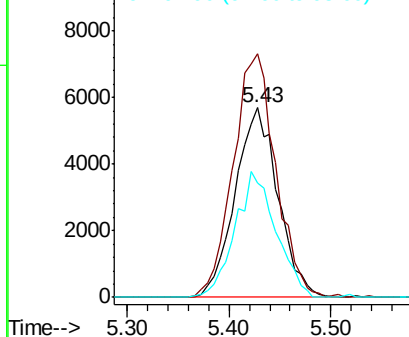


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 5.078 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 55.2  | 43.4  | 65.2  |
| 87      | 28.9  | 21.5  | 32.3  |
| 59      | 10.5  | 9.2   | 13.8  |

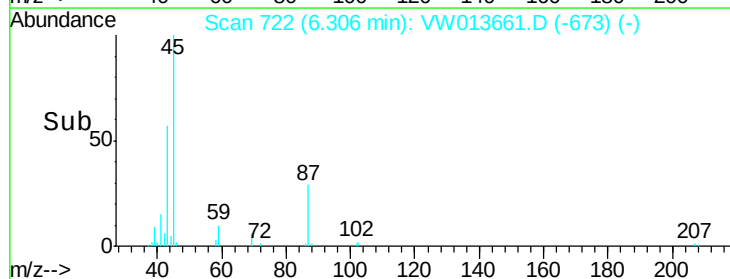
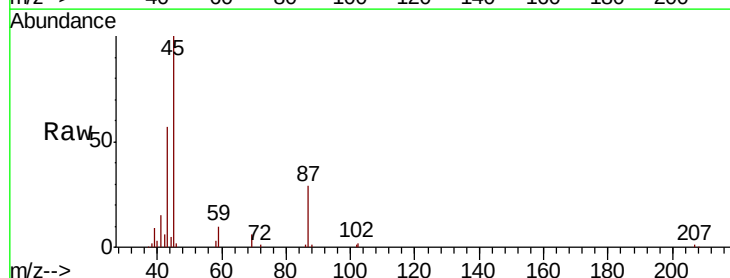
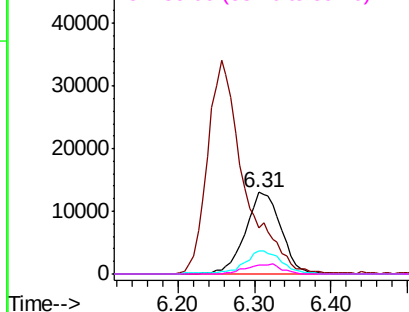
Abundance

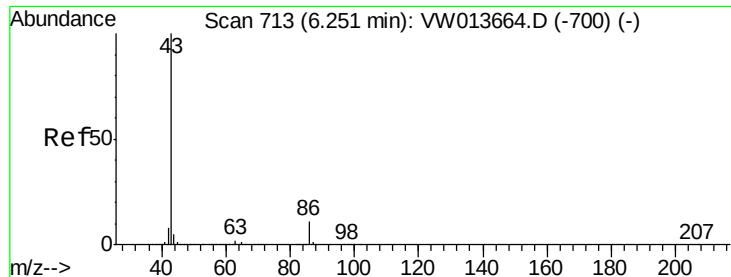
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 22.945 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 114040

Ion Ratio Lower Upper

43 100

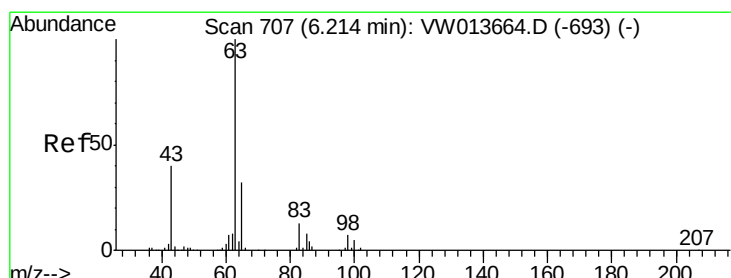
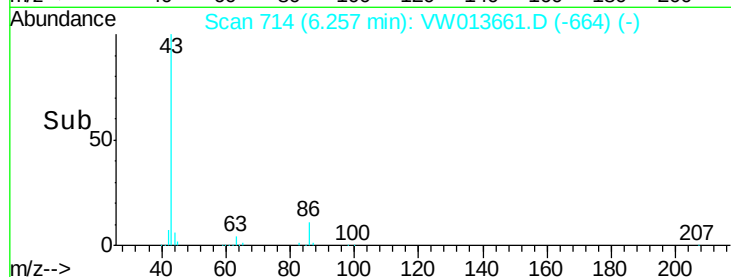
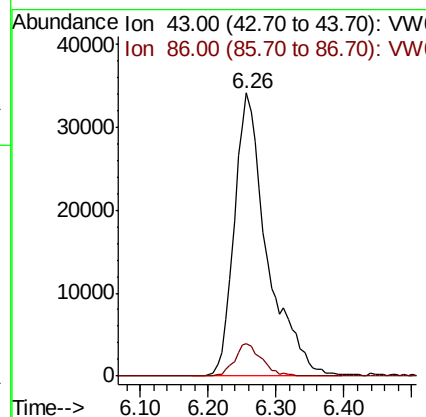
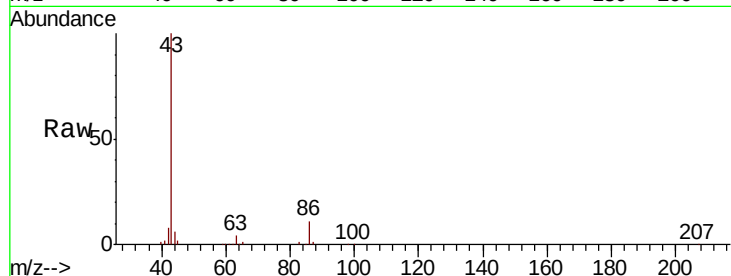
86 11.3 9.0 13.6

Manual Integrations

APPROVED

MMDadoda

10/24/2019 1:27:44 PM



#24

1,1-Dichloroethane

Concen: 5.226 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

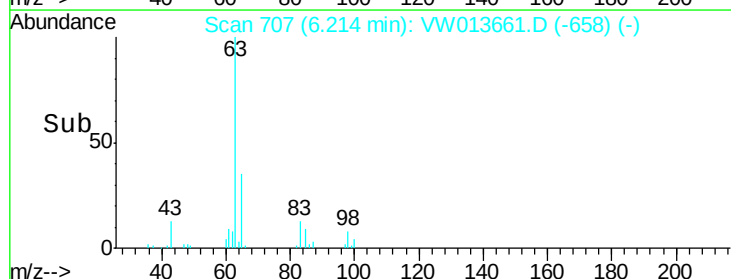
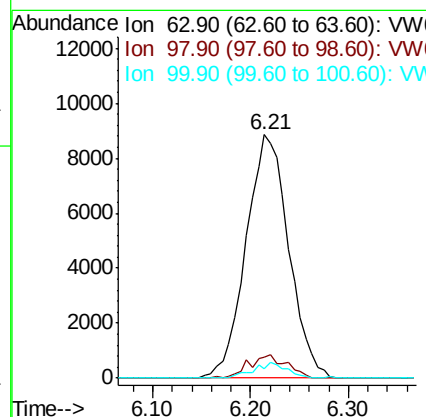
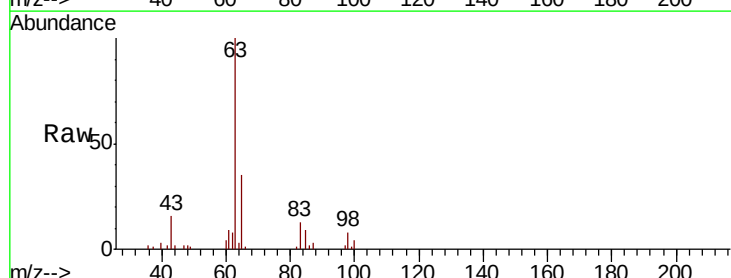
Tgt Ion: 63 Resp: 26762

Ion Ratio Lower Upper

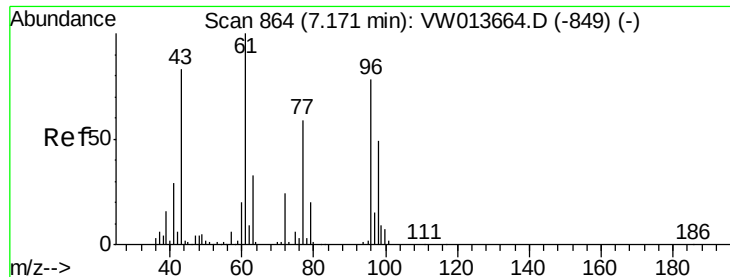
63 100

98 8.4 3.6 10.9

100 4.0 2.5 7.4







#25

2-Butanone

Concen: 22.425 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 19384

Ion Ratio Lower Upper

43 100

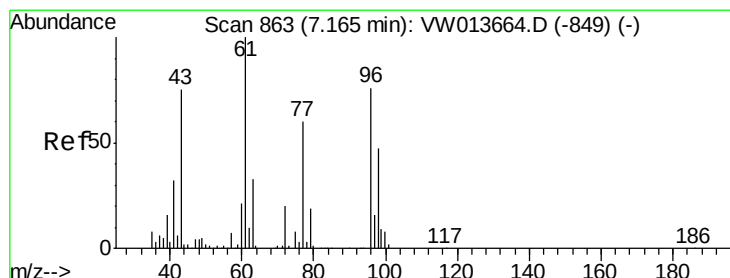
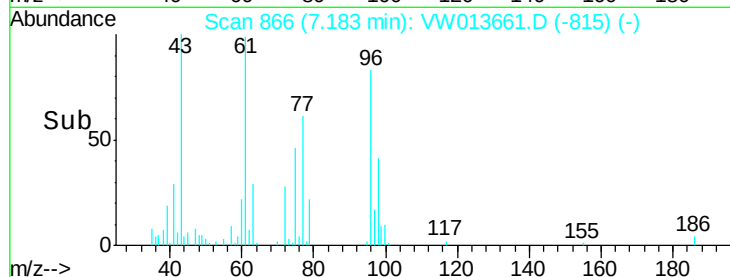
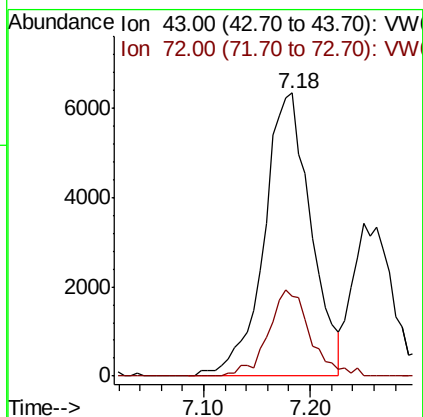
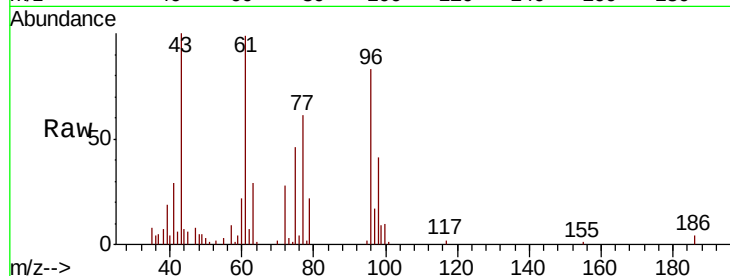
72 28.1 23.6 35.4

Manual Integrations

APPROVED

MMDadoda

10/24/2019 1:27:44 PM



#26

2,2-Dichloropropane

Concen: 5.484 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013661.D

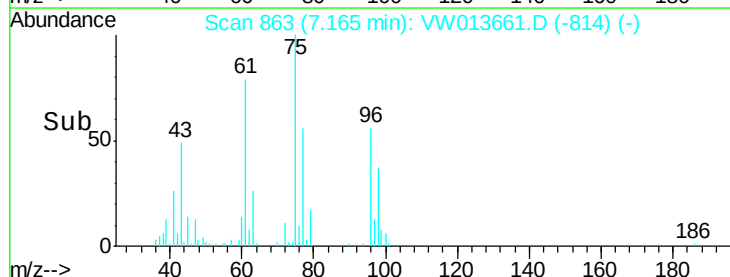
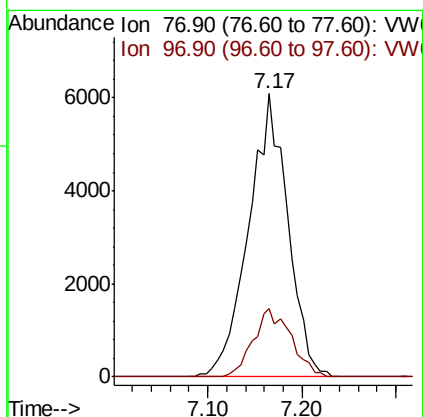
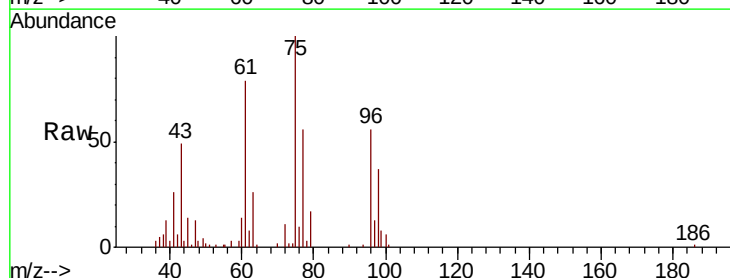
Acq: 23 Oct 2019 11:23

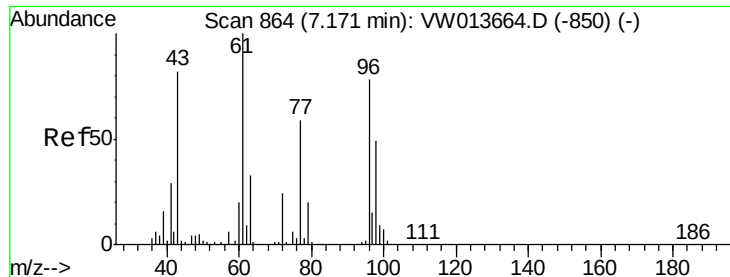
Tgt Ion: 77 Resp: 17701

Ion Ratio Lower Upper

77 100

97 23.3 12.8 38.4





#27

cis-1,2-Dichloroethene

Concen: 5.235 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

Instrument :

MSVOA\_W

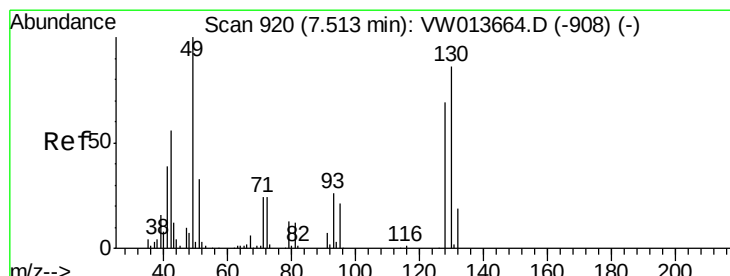
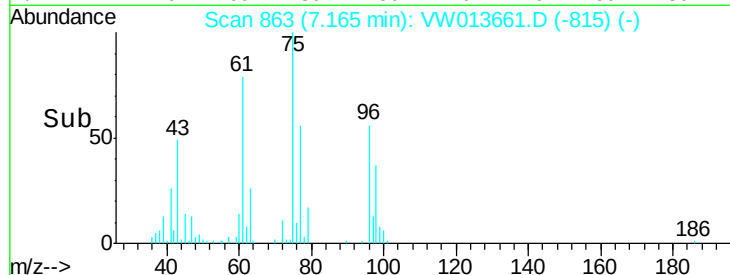
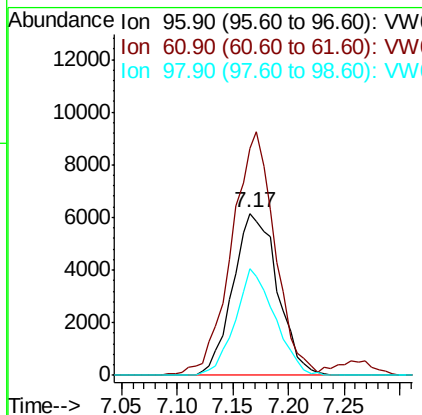
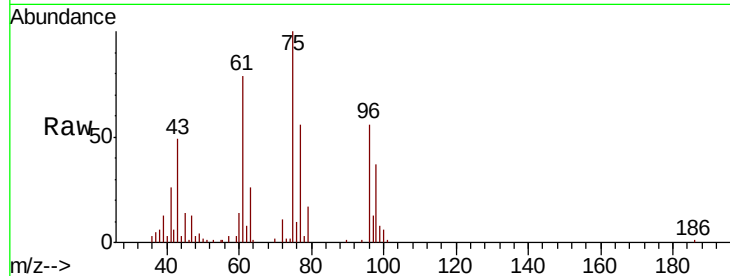
ClientSampleId :

VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 17124 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 145.8 | 0.0   | 266.0 |
| 98       | 58.5  | 0.0   | 126.8 |

Manual Integrations  
APPROVED

MMDadoda  
10/24/2019 1:27:44 PM



#28

Bromochloromethane

Concen: 4.948 ug/l

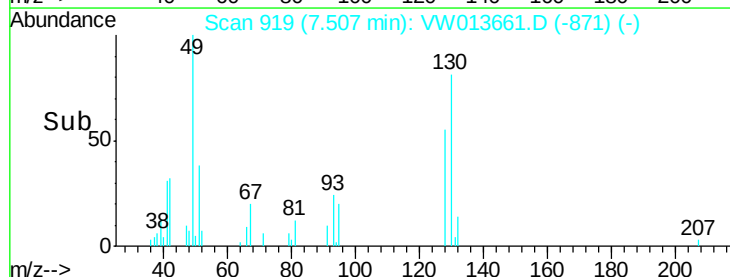
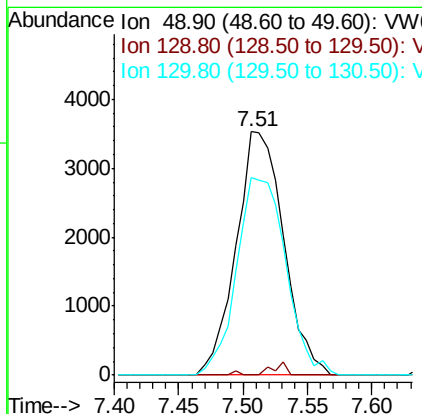
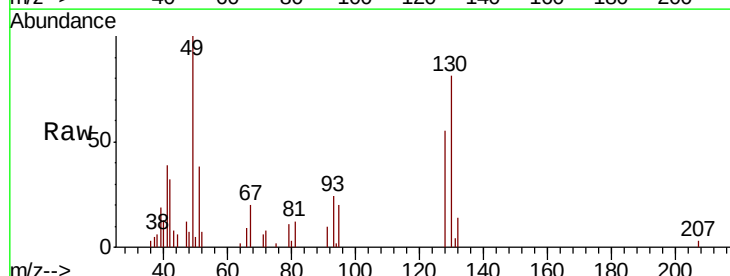
RT: 7.51 min Scan# 919

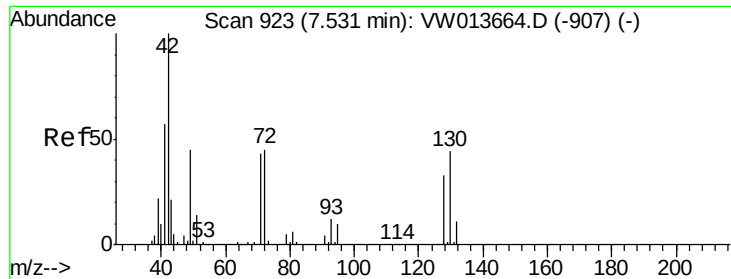
Delta R.T. -0.01 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 9043  |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 0.2   | 0.0   | 0.6   |
| 130      | 83.9  | 67.5  | 101.3 |





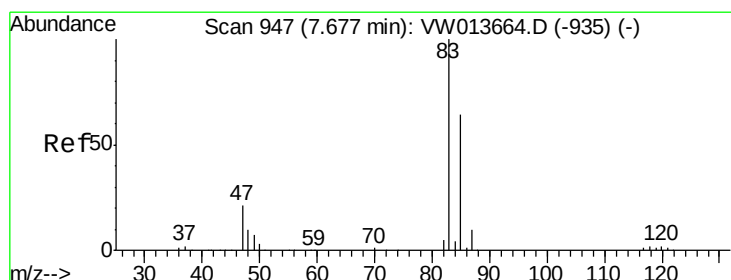
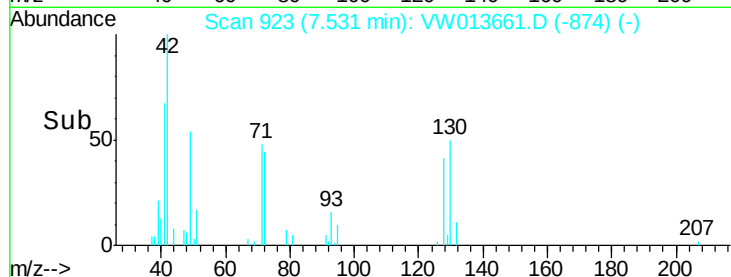
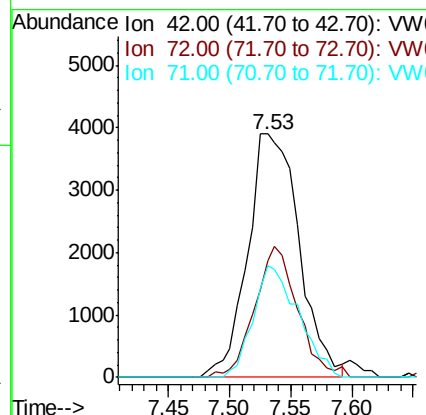
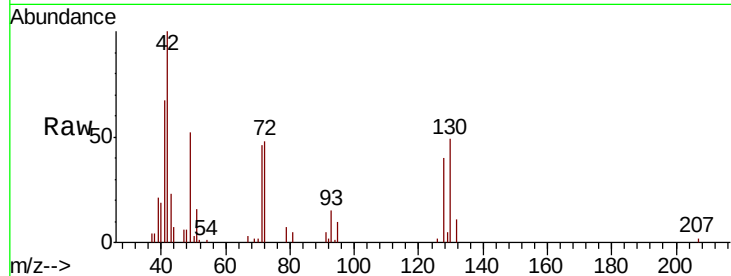
#29  
Tetrahydrofuran  
Concen: 21.577 ug/l  
RT: 7.53 min Scan# 923  
Delta R.T. 0.00 min  
Lab File: VW013661.D  
Acq: 23 Oct 2019 11:23

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 45.0  | 35.3  | 52.9  |
| 71      | 40.6  | 33.3  | 49.9  |

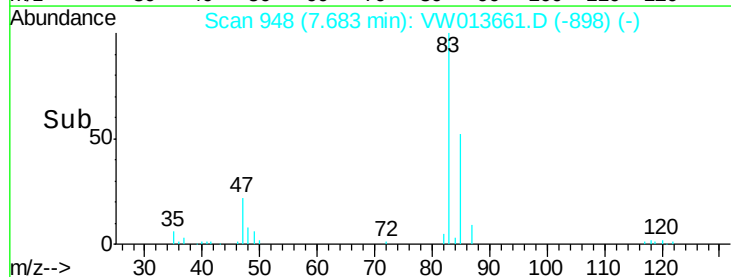
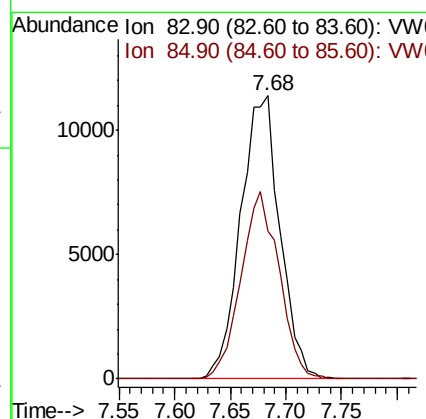
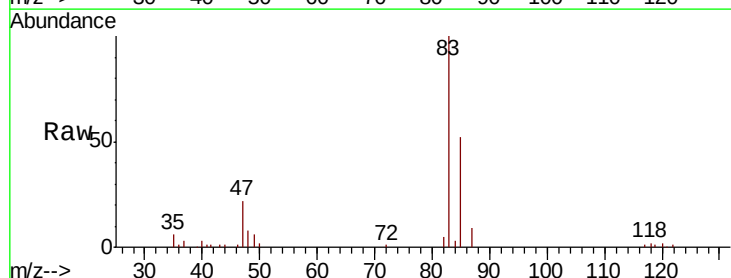
Manual Integrations  
APPROVED

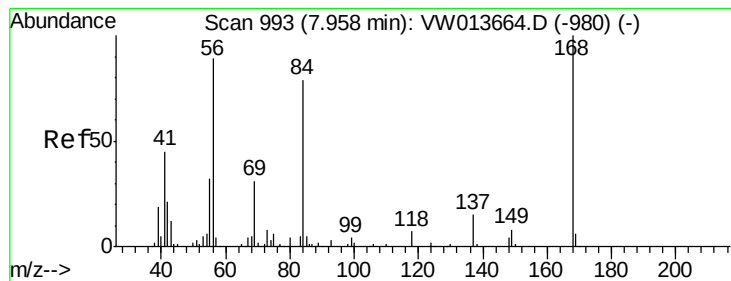
MMDadoda  
10/24/2019 1:27:44 PM



#30  
Chloroform  
Concen: 5.638 ug/l  
RT: 7.68 min Scan# 948  
Delta R.T. 0.01 min  
Lab File: VW013661.D  
Acq: 23 Oct 2019 11:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 52.1  | 51.4  | 77.2  |





#31

Cyclohexane

Concen: 5.918 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 31938

Ion Ratio Lower Upper

56 100

69 57.8 27.5 41.3#

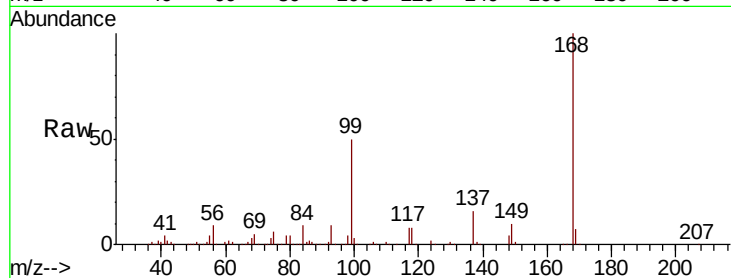
84 99.8 70.8 106.2

Manual Integrations

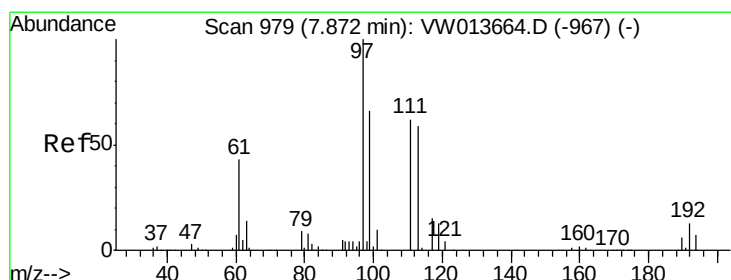
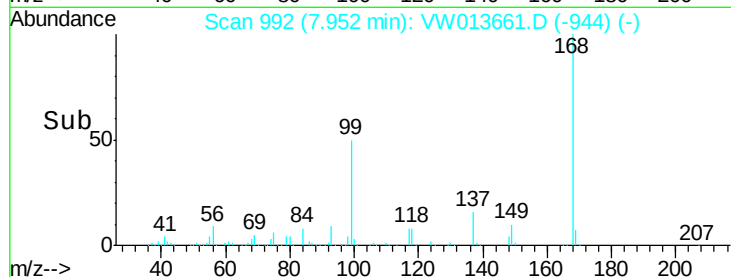
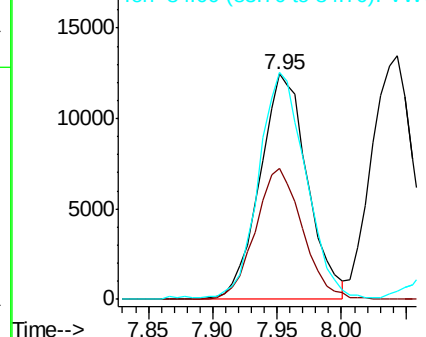
APPROVED

MMDadoda

10/24/2019 1:27:44 PM



Abundance Ion 56.00 (55.70 to 56.70): VW  
Ion 69.00 (68.70 to 69.70): VW  
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 5.169 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.01 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

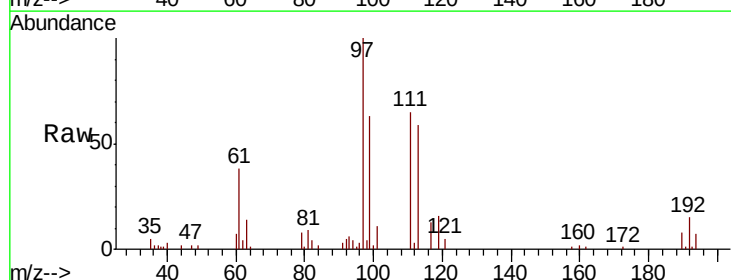
Tgt Ion: 97 Resp: 20688

Ion Ratio Lower Upper

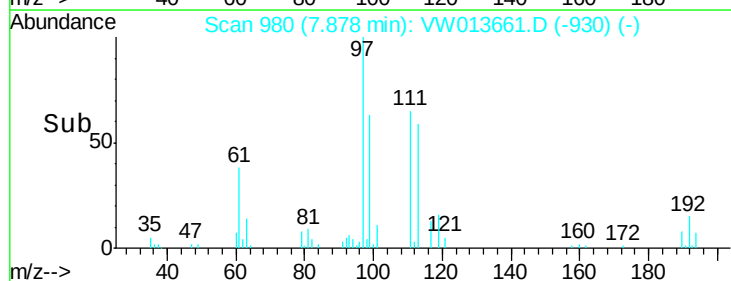
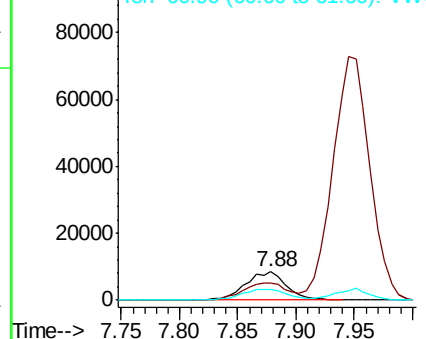
97 100

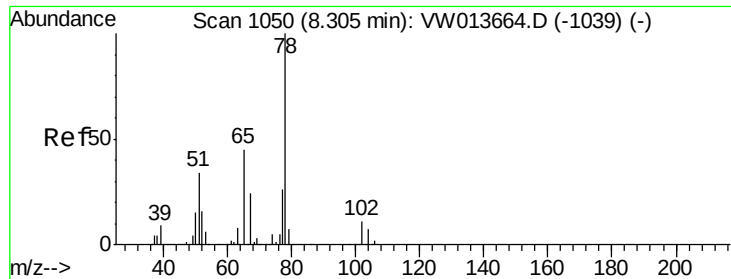
99 66.6 52.0 78.0

61 43.0 33.8 50.6



Abundance Ion 96.90 (96.60 to 97.60): VW  
Ion 98.90 (98.60 to 99.60): VW  
Ion 60.90 (60.60 to 61.60): VW





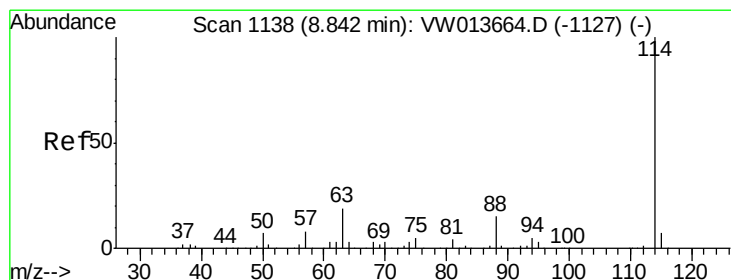
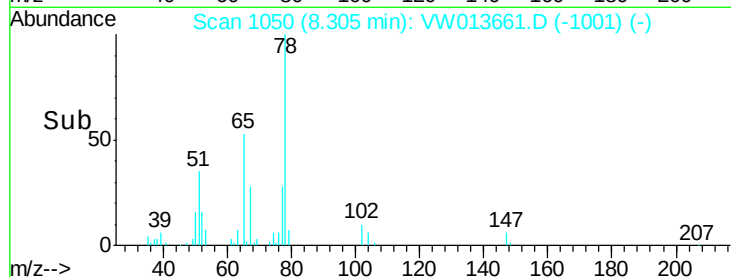
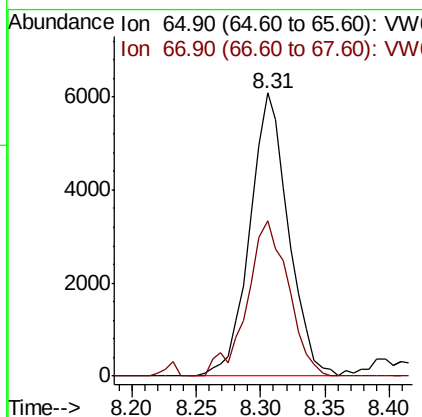
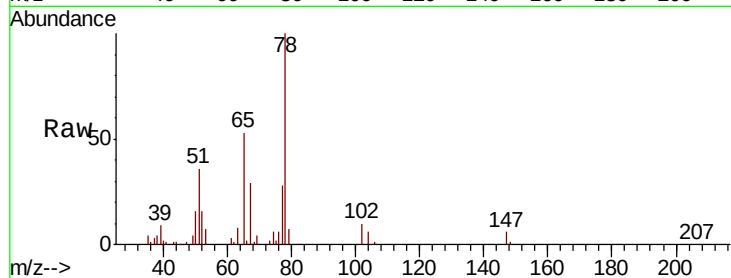
#33  
 1,2-Dichloroethane-d4  
 Concen: 4.850 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. 0.00 min  
 Lab File: VW013661.D  
 Acq: 23 Oct 2019 11:23

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 59.0  | 0.0   | 109.4 |

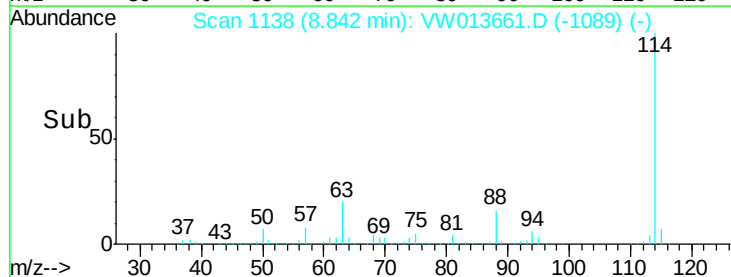
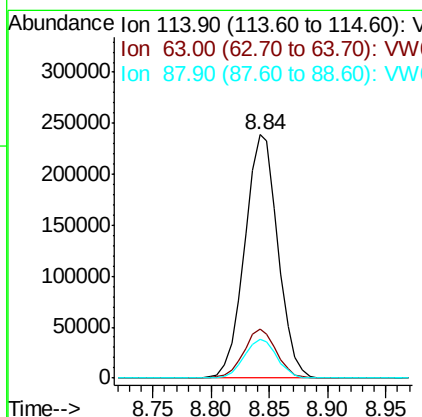
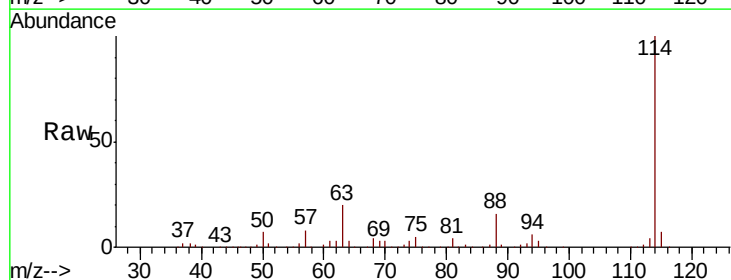
Manual Integrations  
 APPROVED

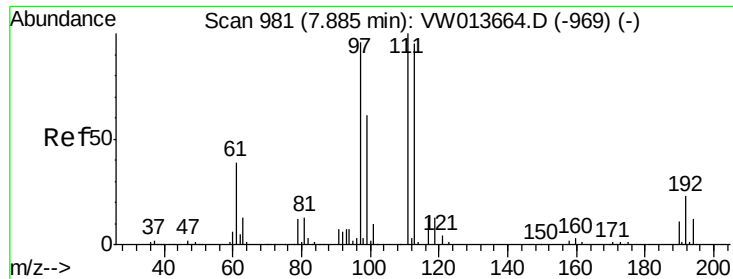
MMDadoda  
 10/24/2019 1:27:44 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW013661.D  
 Acq: 23 Oct 2019 11:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 20.0  | 0.0   | 37.6  |
| 88      | 15.9  | 0.0   | 30.2  |





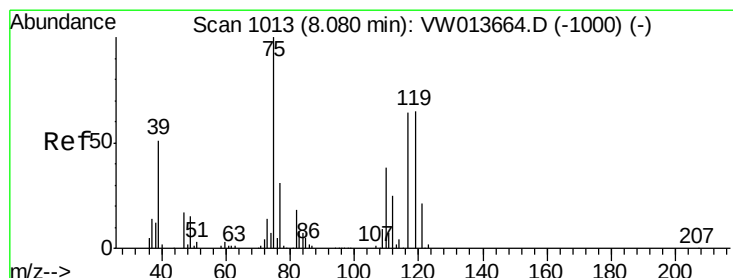
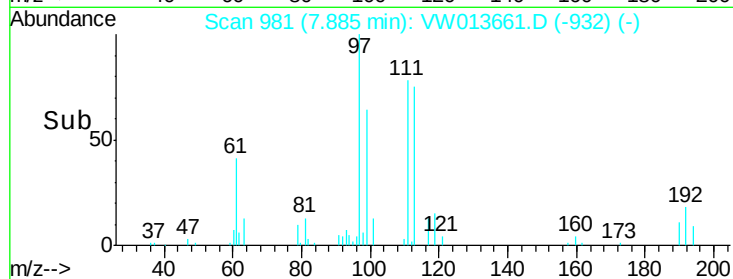
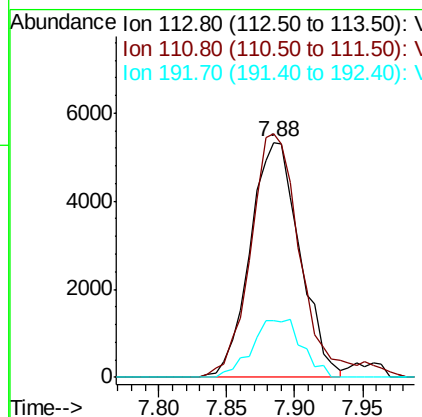
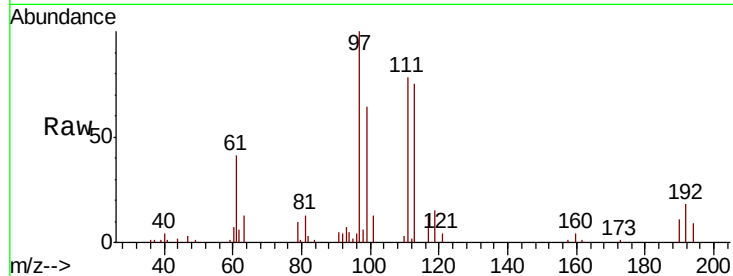
#35  
 Dibromofluoromethane  
 Concen: 5.077 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. 0.00 min  
 Lab File: VW013661.D  
 Acq: 23 Oct 2019 11:23

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 113     | 100   | 13595 |       |       |
| 111     | 105.6 | 83.0  | 124.6 |       |
| 192     | 24.8  | 19.4  | 29.2  |       |

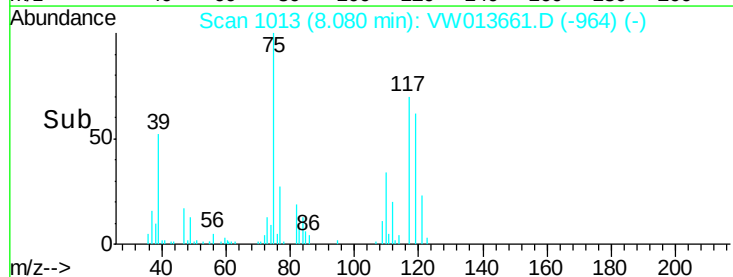
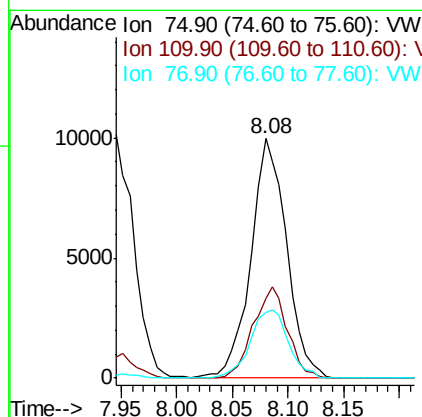
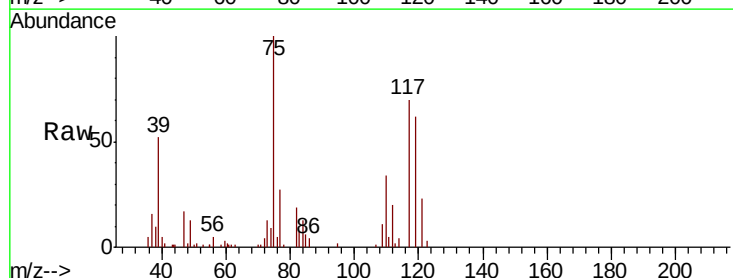
Manual Integrations  
 APPROVED

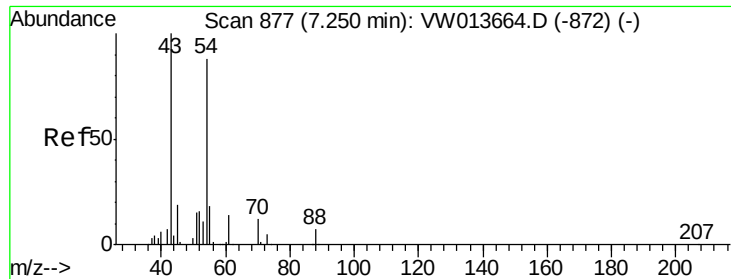
MMDadoda  
 10/24/2019 1:27:44 PM



#36  
 1,1-Dichloropropene  
 Concen: 5.173 ug/l  
 RT: 8.08 min Scan# 1013  
 Delta R.T. 0.00 min  
 Lab File: VW013661.D  
 Acq: 23 Oct 2019 11:23

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 22305 |       |       |
| 110     | 36.3  | 18.7  | 56.1  |       |
| 77      | 30.3  | 25.4  | 38.0  |       |





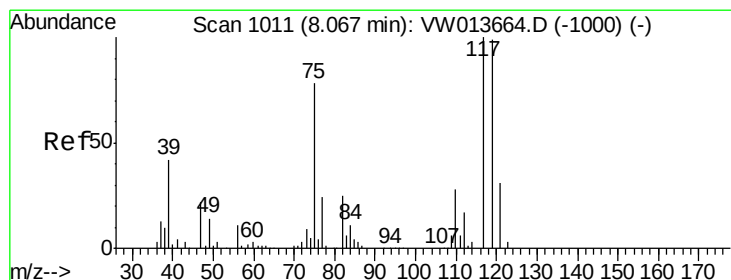
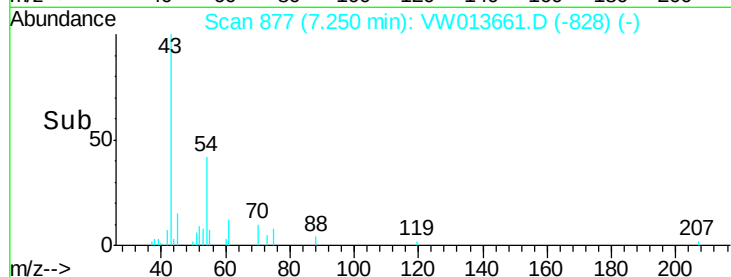
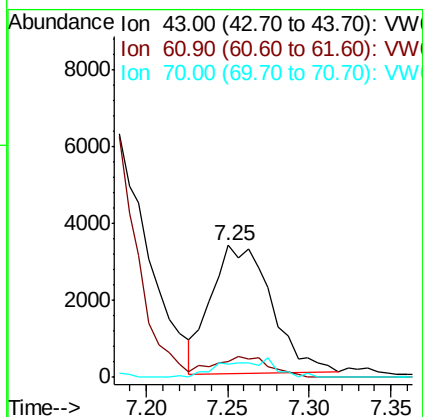
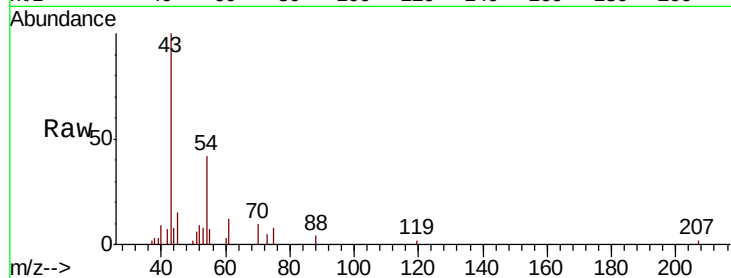
#37  
Ethyl Acetate  
Concen: 4.495 ug/l  
RT: 7.25 min Scan# 877  
Delta R.T. 0.00 min  
Lab File: VW013661.D  
Acq: 23 Oct 2019 11:23

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 15.5  | 11.7  | 17.5  |
| 70      | 0.0   | 8.8   | 13.2  |

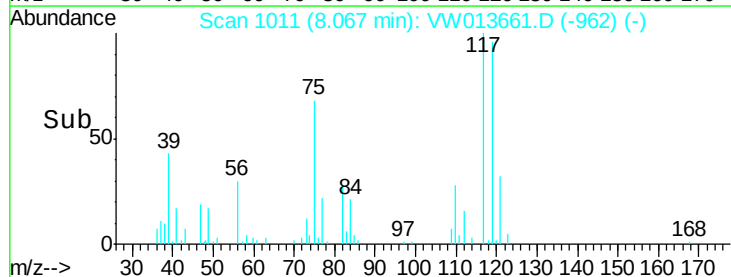
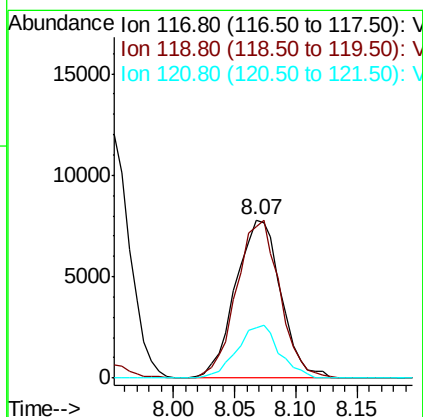
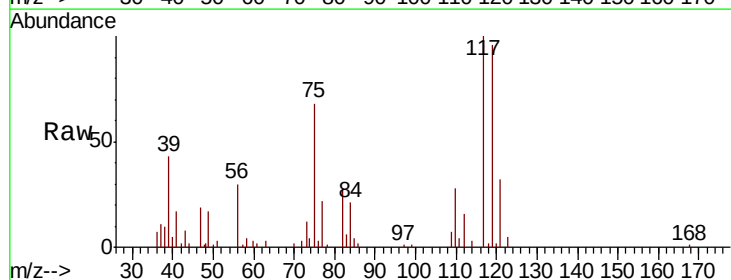
Manual Integrations  
APPROVED

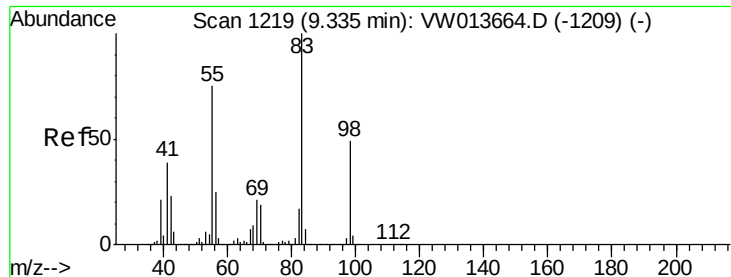
MMDadoda  
10/24/2019 1:27:44 PM



#38  
Carbon Tetrachloride  
Concen: 5.266 ug/l  
RT: 8.07 min Scan# 1011  
Delta R.T. 0.00 min  
Lab File: VW013661.D  
Acq: 23 Oct 2019 11:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.9  | 79.0  | 118.4 |
| 121     | 32.2  | 24.5  | 36.7  |





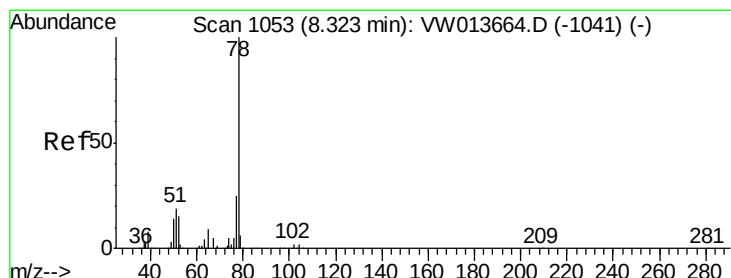
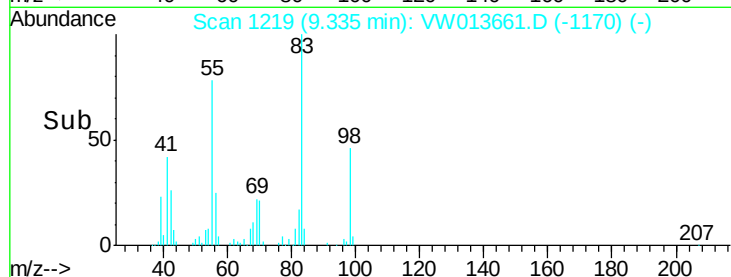
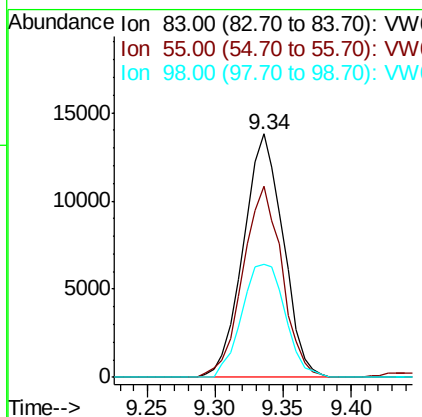
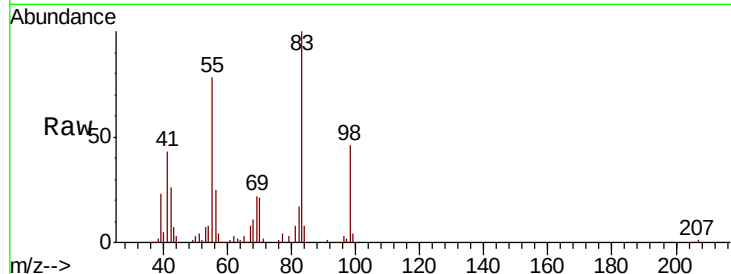
#39  
Methylvlcyclohexane  
Concen: 5.070 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. 0.00 min  
Lab File: VW013661.D  
Acq: 23 Oct 2019 11:23

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 78.4  | 59.9  | 89.9  |
| 98      | 46.2  | 39.4  | 59.2  |

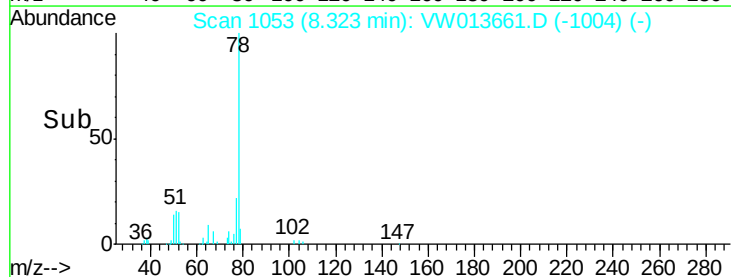
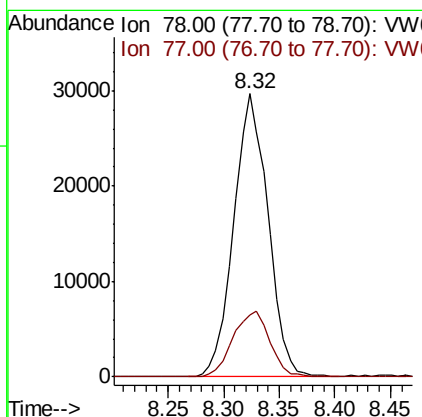
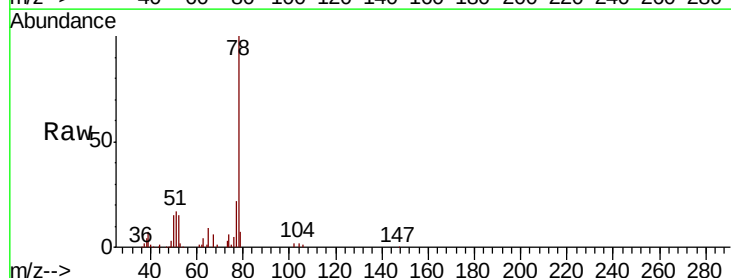
Manual Integrations  
APPROVED

MMDadoda  
10/24/2019 1:27:44 PM

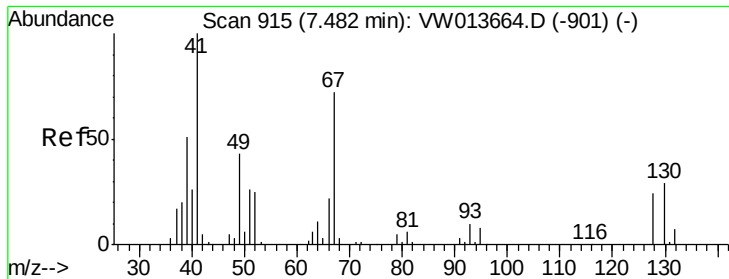


#40  
Benzene  
Concen: 5.261 ug/l  
RT: 8.32 min Scan# 1053  
Delta R.T. 0.00 min  
Lab File: VW013661.D  
Acq: 23 Oct 2019 11:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 22.1  | 19.6  | 29.4  |







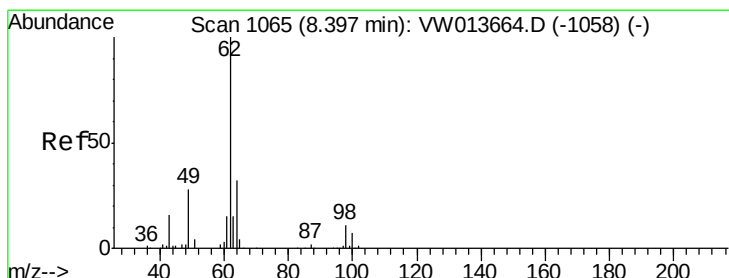
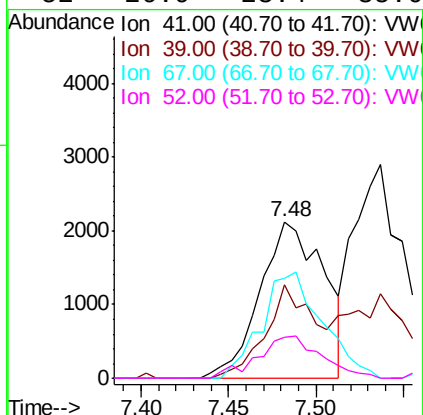
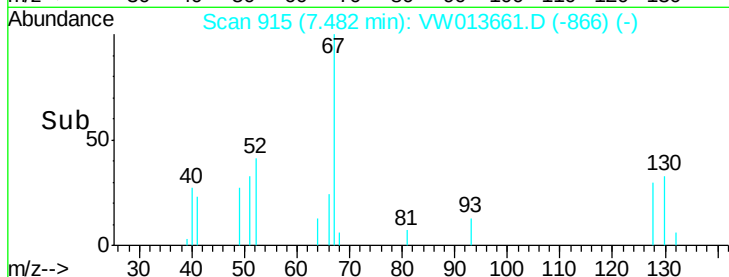
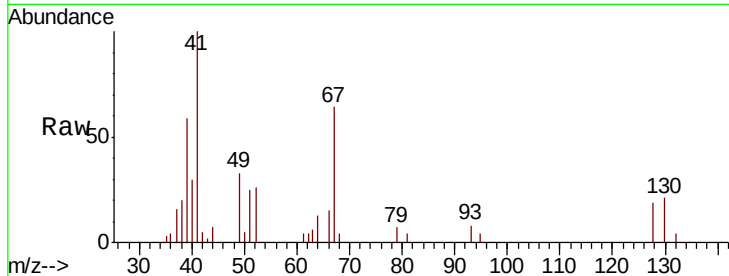
#41  
Methacrylonitrile  
Concen: 4.961 ug/l  
RT: 7.48 min Scan# 915  
Delta R.T. 0.00 min  
Lab File: VW013661.D  
Acq: 23 Oct 2019 11:23

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 5411  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 45.4  | 44.8  | 67.2  |
| 67       | 64.4  | 59.3  | 88.9  |
| 52       | 26.9  | 23.4  | 35.0  |

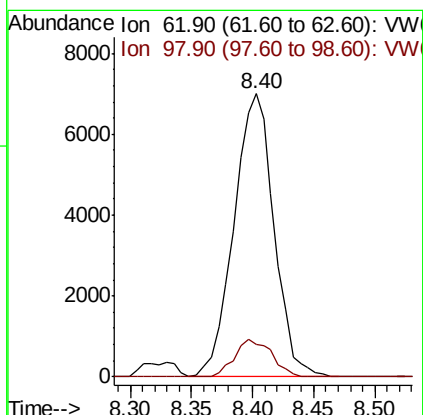
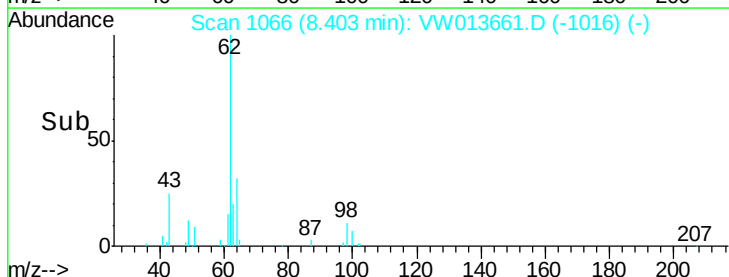
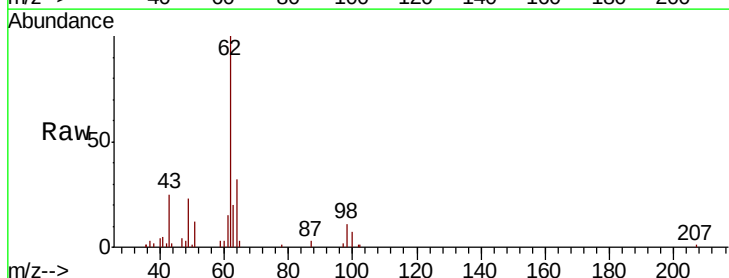
Manual Integrations  
APPROVED

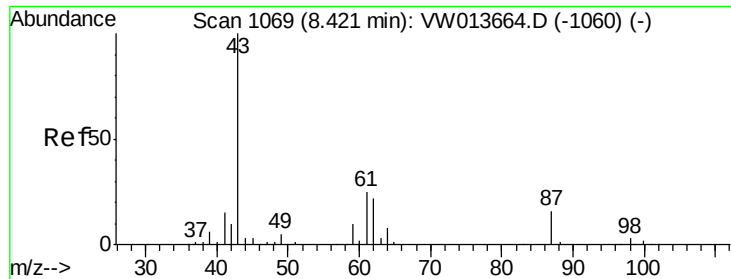
MMDadoda  
10/24/2019 1:27:44 PM



#42  
1,2-Dichloroethane  
Concen: 5.207 ug/l  
RT: 8.40 min Scan# 1066  
Delta R.T. 0.01 min  
Lab File: VW013661.D  
Acq: 23 Oct 2019 11:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 15884 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 12.2  | 0.0   | 22.4  |





#43

Isopropyl Acetate

Concen: 4.650 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

Instrument :

MSVOA\_W

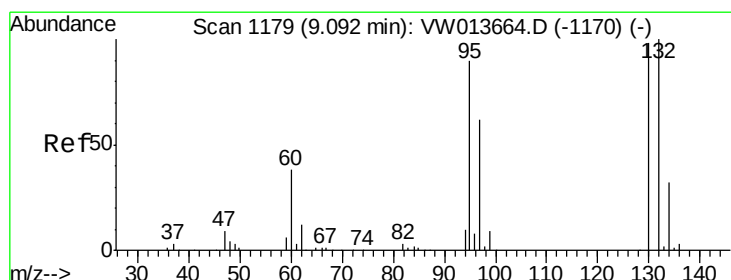
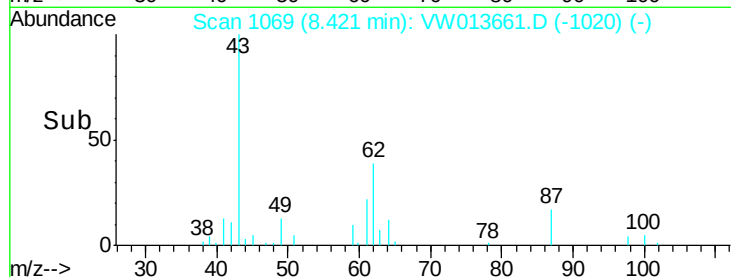
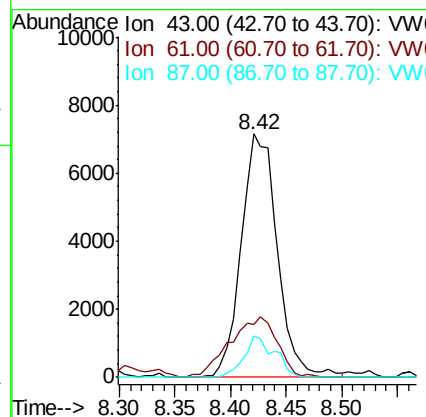
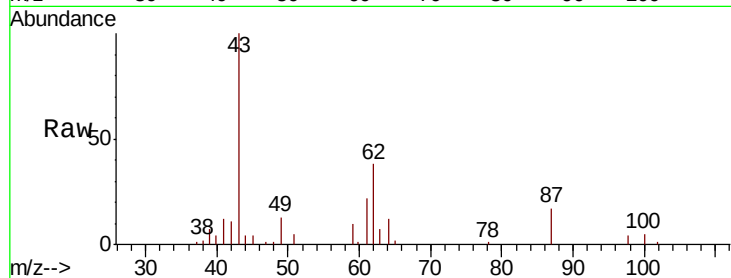
ClientSampleId :

VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 16168 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 32.5  | 26.1  | 39.1  |
| 87       | 14.4  | 11.4  | 17.0  |

Manual Integrations  
APPROVED

MMDadoda  
10/24/2019 1:27:44 PM



#44

Trichloroethene

Concen: 5.346 ug/l

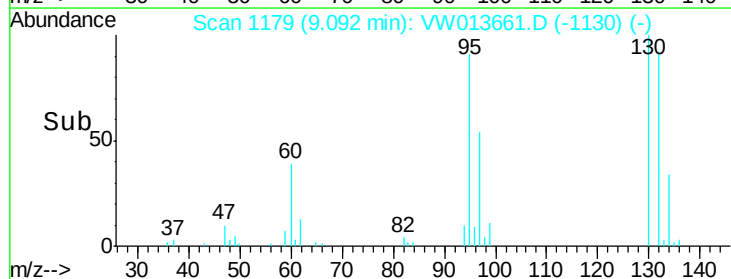
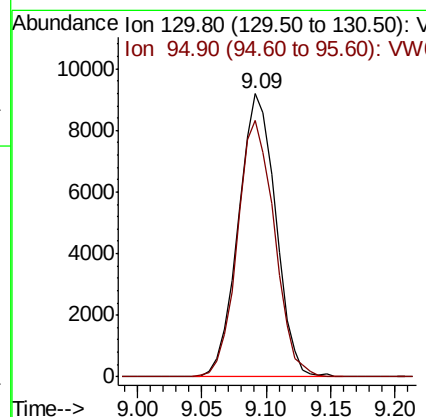
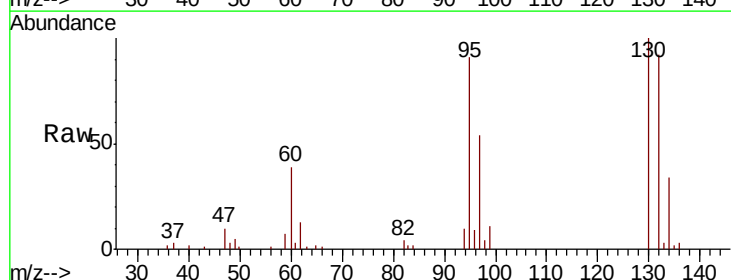
RT: 9.09 min Scan# 1179

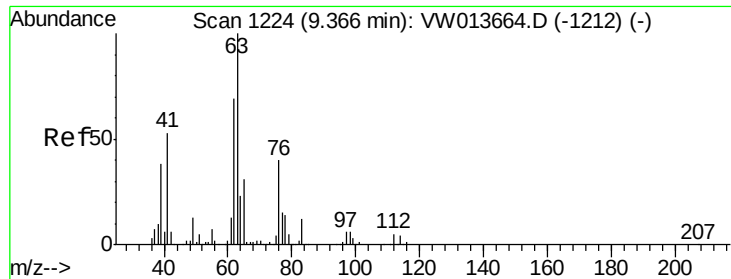
Delta R.T. 0.00 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 18403 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 90.7  | 0.0   | 184.6 |





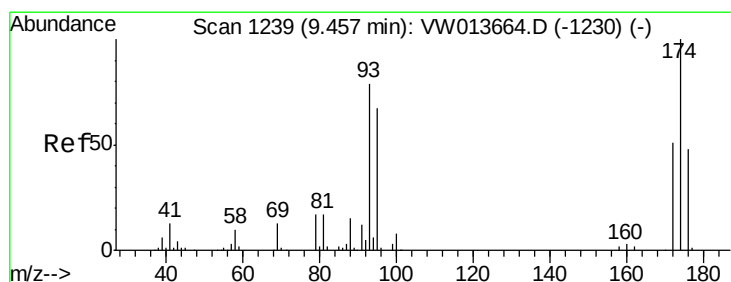
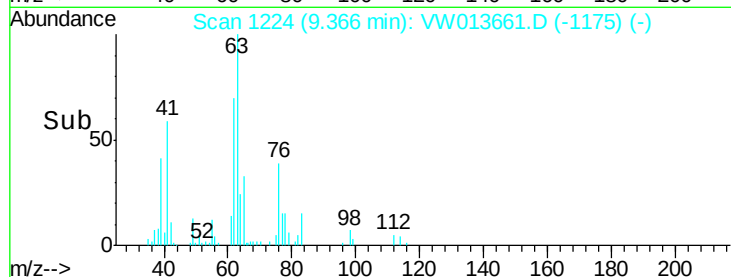
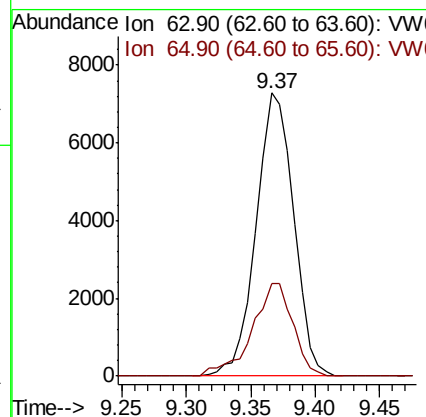
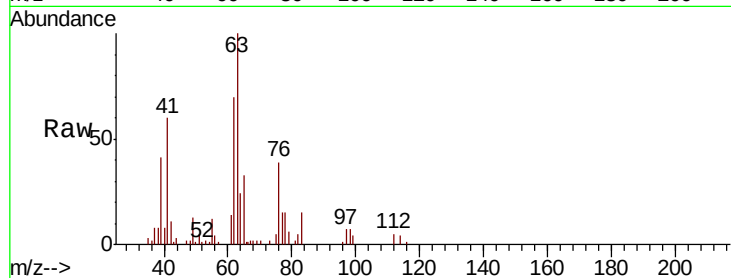
#45  
 1,2-Dichloropropane  
 Concen: 5.077 ug/l  
 RT: 9.37 min Scan# 1224  
 Delta R.T. 0.00 min  
 Lab File: VW013661.D  
 Acq: 23 Oct 2019 11:23

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

Tot Ion: 63 Resp: 14715  
 Ion Ratio Lower Upper  
 63 100  
 65 32.7 25.2 37.8

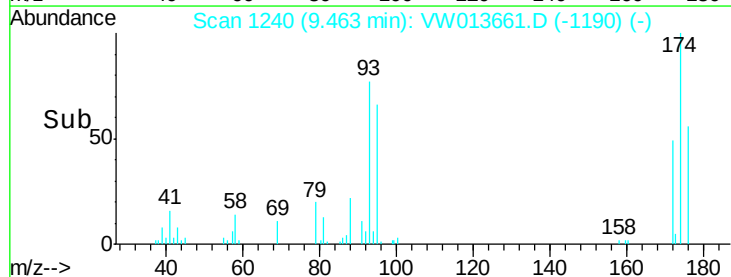
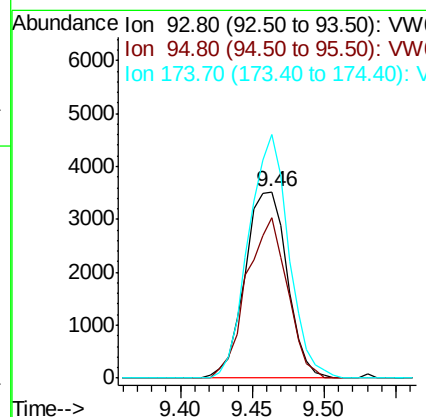
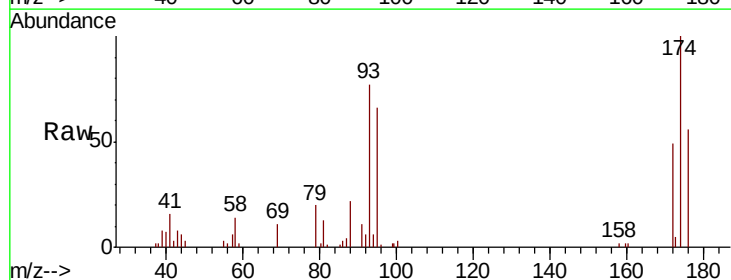
Manual Integrations  
 APPROVED

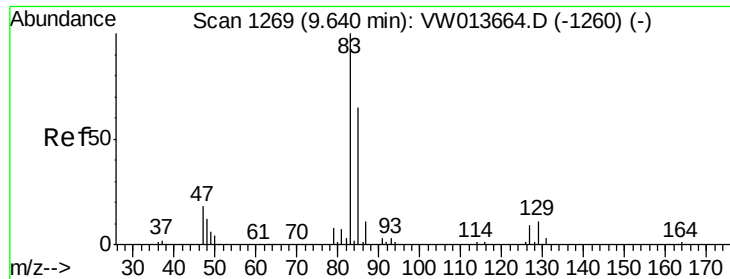
MMDadoda  
 10/24/2019 1:27:44 PM



#46  
 Dibromomethane  
 Concen: 4.970 ug/l  
 RT: 9.46 min Scan# 1240  
 Delta R.T. 0.01 min  
 Lab File: VW013661.D  
 Acq: 23 Oct 2019 11:23

Tgt Ion: 93 Resp: 7153  
 Ion Ratio Lower Upper  
 93 100  
 95 83.1 66.5 99.7  
 174 123.9 99.6 149.4





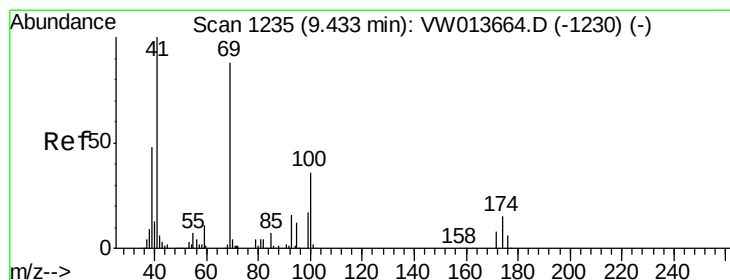
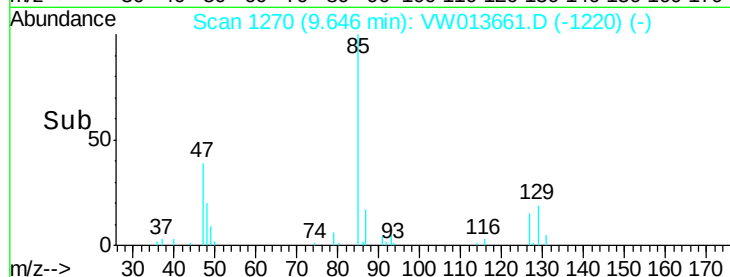
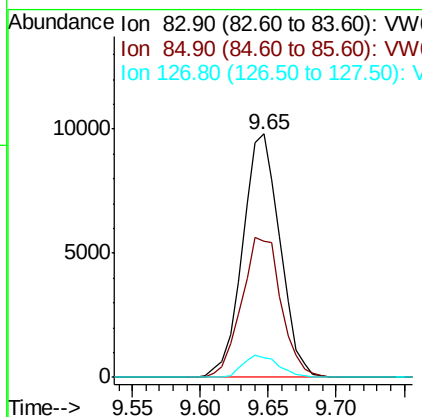
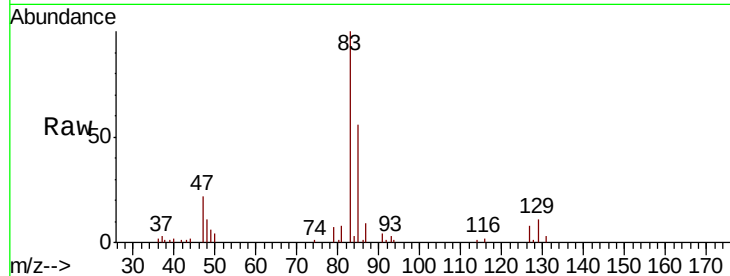
#47  
Bromodichloromethane  
Concen: 5.247 ug/l  
RT: 9.65 min Scan# 1270  
Delta R.T. 0.01 min  
Lab File: VW013661.D  
Acq: 23 Oct 2019 11:23

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion   | 83   | Resp  | 18865 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 83        | 100  |       |       |
| 85        | 55.7 | 51.8  | 77.6  |
| 127       | 8.2  | 7.3   | 10.9  |

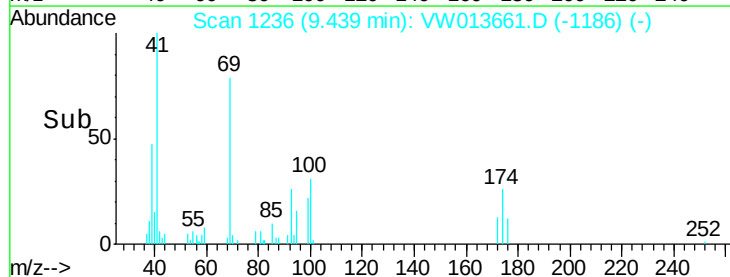
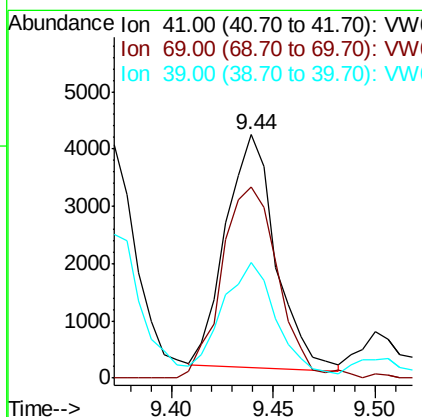
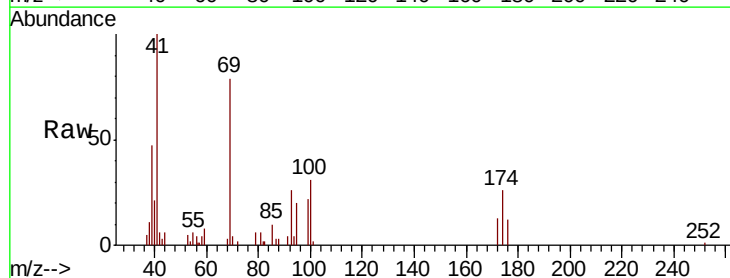
Manual Integrations  
APPROVED

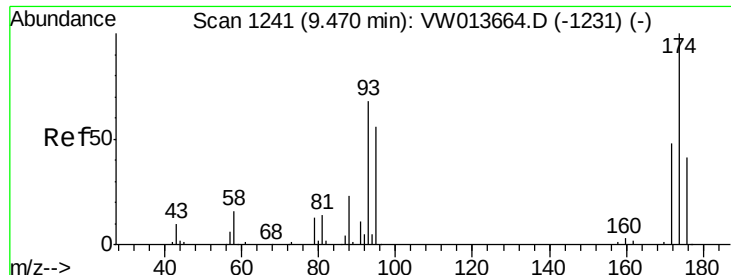
MMDadoda  
10/24/2019 1:27:44 PM



#48  
Methyl methacrylate  
Concen: 4.016 ug/l  
RT: 9.44 min Scan# 1236  
Delta R.T. 0.01 min  
Lab File: VW013661.D  
Acq: 23 Oct 2019 11:23

| Tgt Ion   | 41   | Resp  | 6918  |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 41        | 100  |       |       |
| 69        | 92.5 | 67.6  | 101.4 |
| 39        | 50.8 | 38.6  | 58.0  |





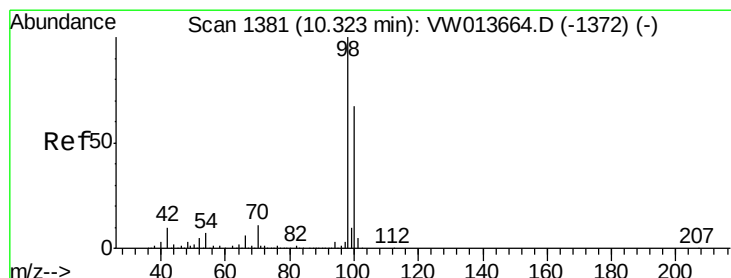
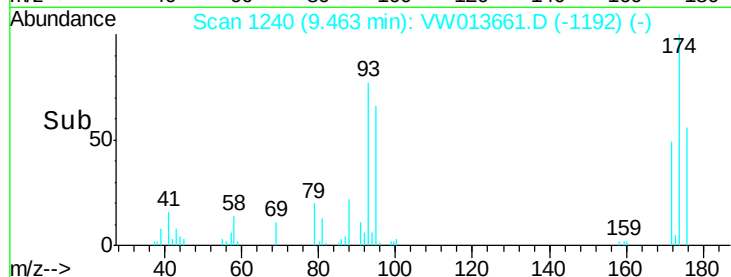
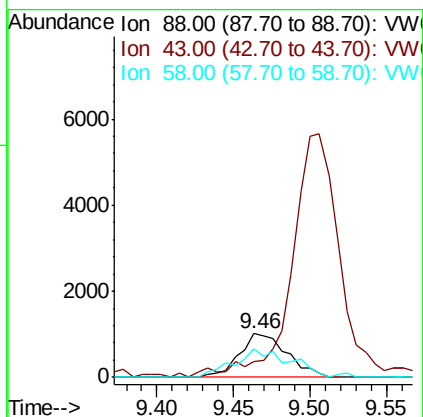
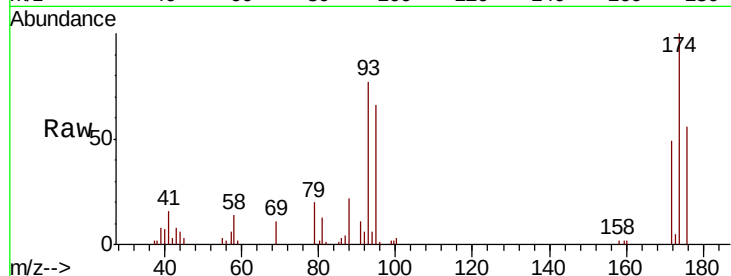
#49  
1,4-Dioxane  
Concen: 89.858 ug/l  
RT: 9.46 min Scan# 1240  
Delta R.T. -0.01 min  
Lab File: VW013661.D  
Acq: 23 Oct 2019 11:23

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 0.0   | 0.0   | 0.0   |
| 58      | 74.8  | 58.9  | 88.3  |

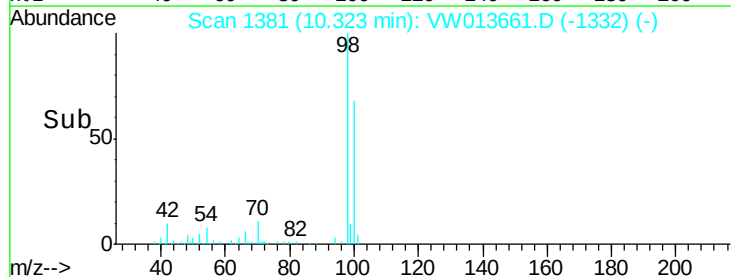
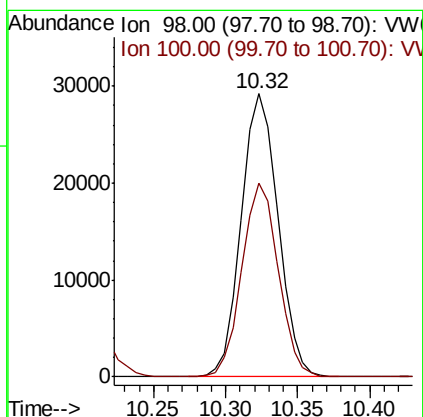
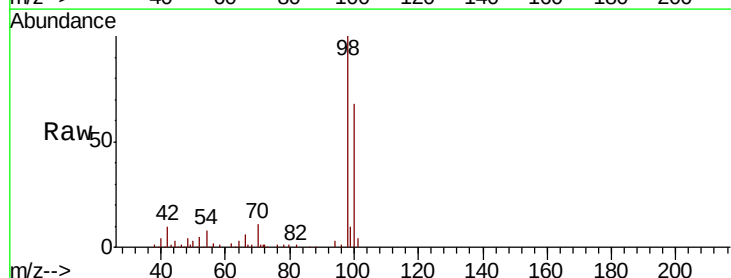
Manual Integrations  
APPROVED

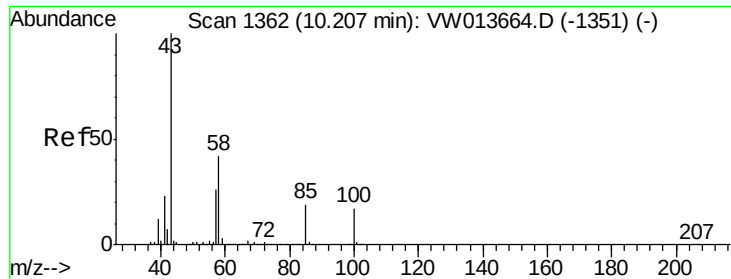
MMDadoda  
10/24/2019 1:27:44 PM



#50  
Toluene-d8  
Concen: 4.619 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. 0.00 min  
Lab File: VW013661.D  
Acq: 23 Oct 2019 11:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 67.7  | 53.4  | 80.0  |





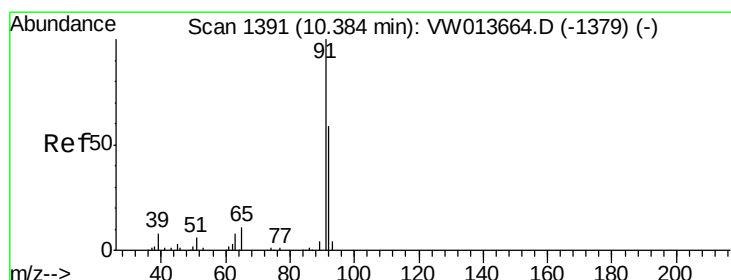
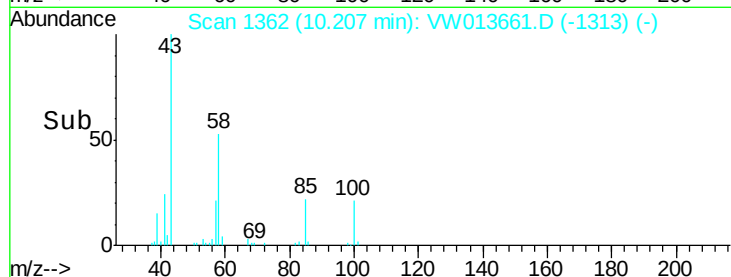
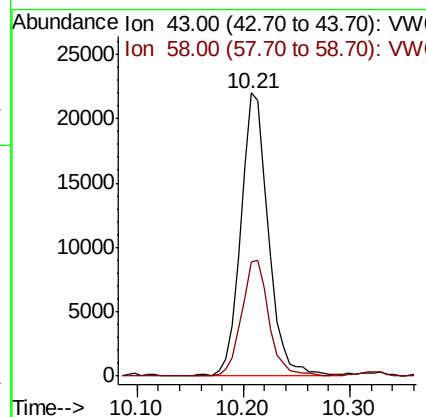
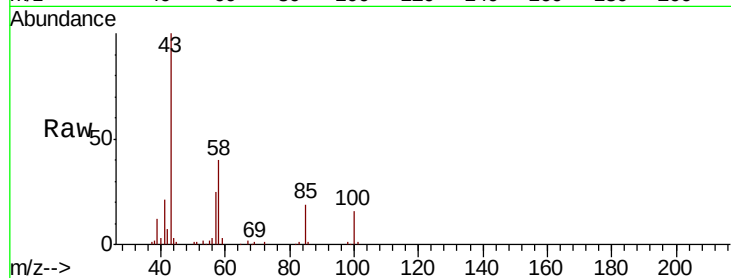
#51  
 4-Methyl-2-Pentanone  
 Concen: 22.104 ug/l  
 RT: 10.21 min Scan# 1362  
 Delta R.T. 0.00 min  
 Lab File: VW013661.D  
 Acq: 23 Oct 2019 11:23

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 40.5  | 32.6  | 49.0  |

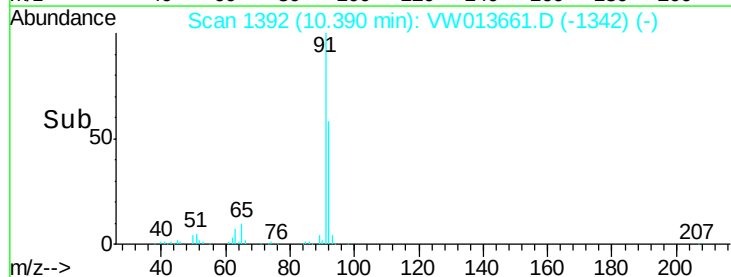
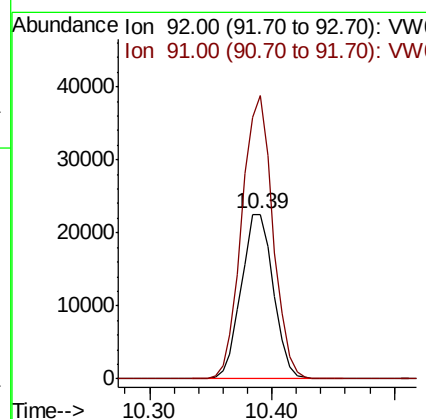
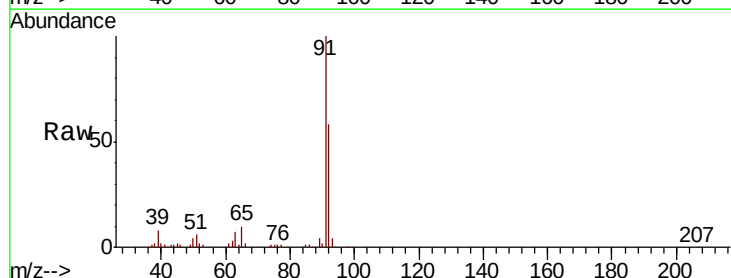
Manual Integrations  
 APPROVED

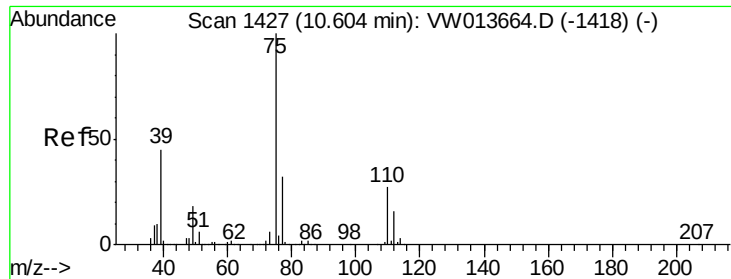
MMDadoda  
 10/24/2019 1:27:44 PM



#52  
 Toluene  
 Concen: 5.305 ug/l  
 RT: 10.39 min Scan# 1392  
 Delta R.T. 0.01 min  
 Lab File: VW013661.D  
 Acq: 23 Oct 2019 11:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 92      | 100   |       |       |
| 91      | 165.4 | 134.5 | 201.7 |





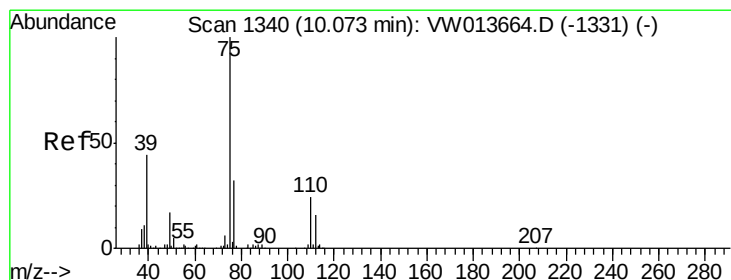
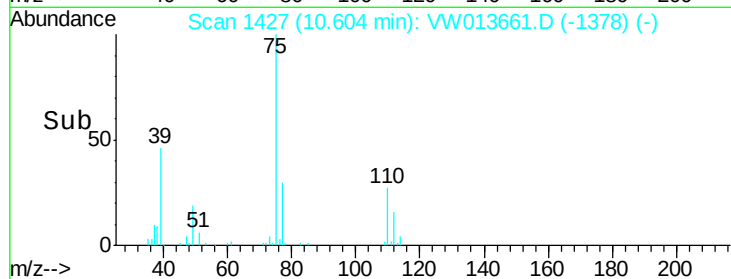
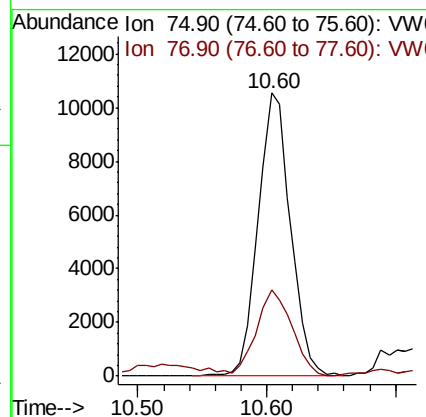
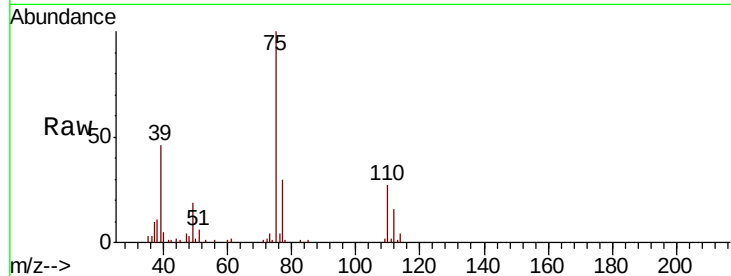
#53  
 t-1,3-Dichloropropene  
 Concen: 4.904 ug/l  
 RT: 10.60 min Scan# 1427  
 Delta R.T. 0.00 min  
 Lab File: VW013661.D  
 Acq: 23 Oct 2019 11:23

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 29.7  | 25.5  | 38.3  |

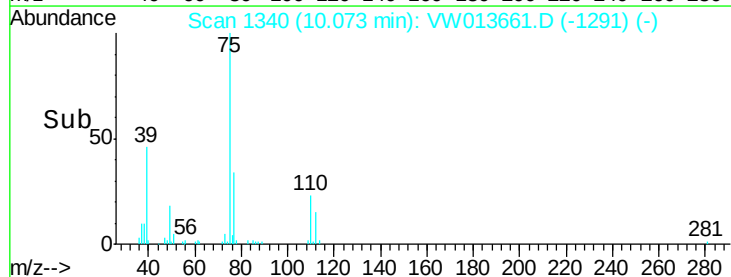
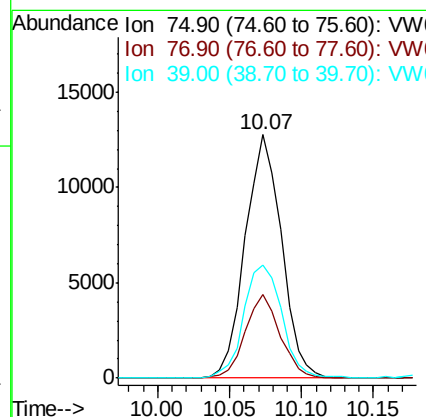
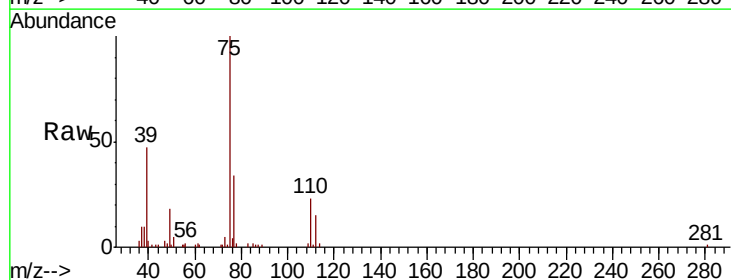
Manual Integrations  
 APPROVED

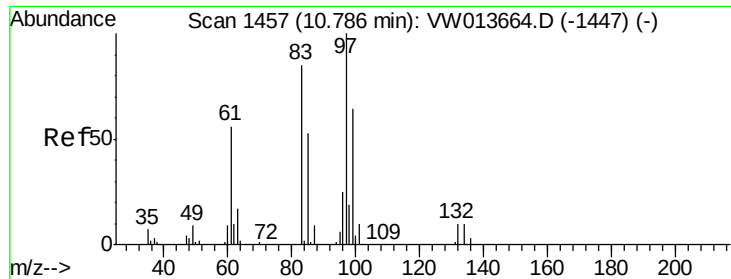
MMDadoda  
 10/24/2019 1:27:44 PM



#54  
 cis-1,3-Dichloropropene  
 Concen: 4.917 ug/l  
 RT: 10.07 min Scan# 1340  
 Delta R.T. 0.00 min  
 Lab File: VW013661.D  
 Acq: 23 Oct 2019 11:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 34.3  | 25.8  | 38.6  |
| 39      | 46.5  | 35.3  | 52.9  |





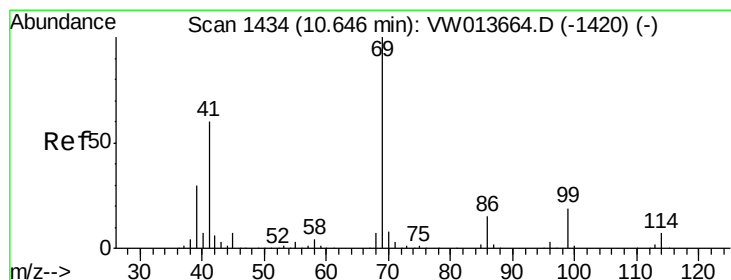
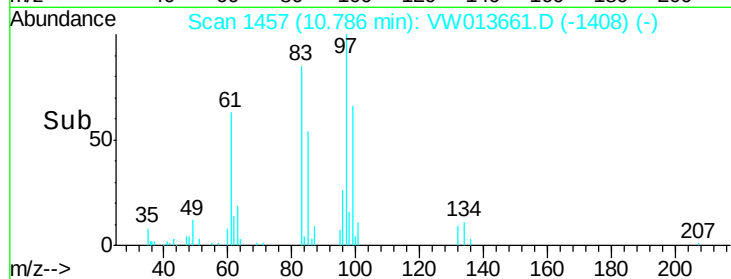
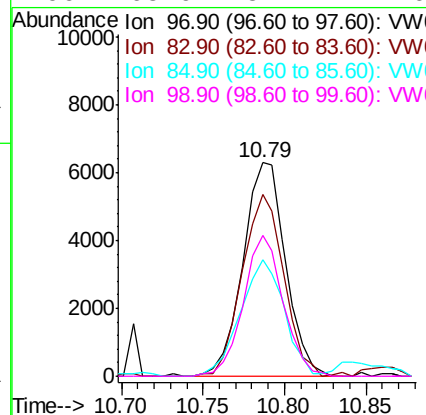
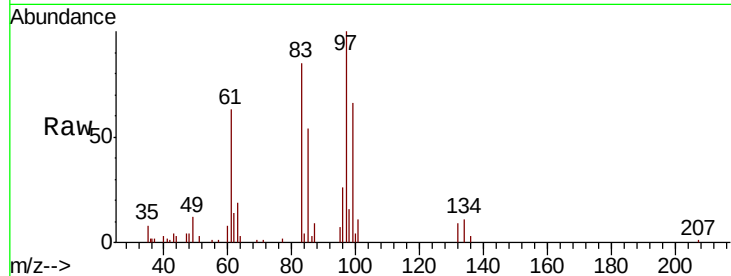
#55  
 1,1,2-Trichloroethane  
 Concen: 5.297 ug/l  
 RT: 10.79 min Scan# 1457  
 Delta R.T. 0.00 min  
 Lab File: VW013661.D  
 Acq: 23 Oct 2019 11:23

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 85.3  | 67.8  | 101.8 |
| 85      | 54.4  | 42.1  | 63.1  |
| 99      | 65.9  | 51.4  | 77.0  |

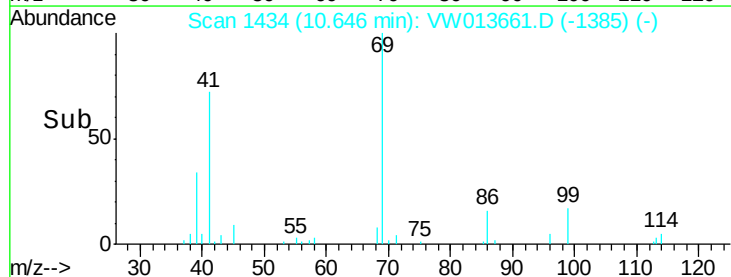
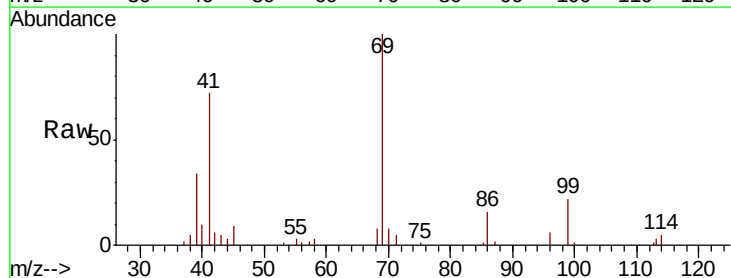
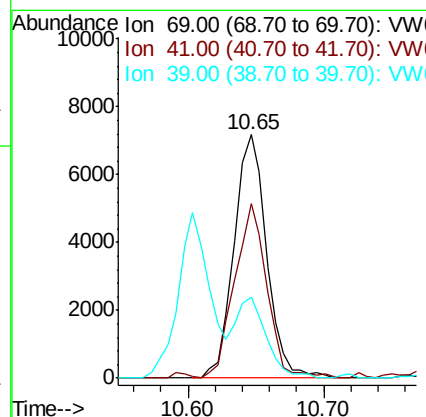
Manual Integrations  
 APPROVED

MMDadoda  
 10/24/2019 1:27:44 PM

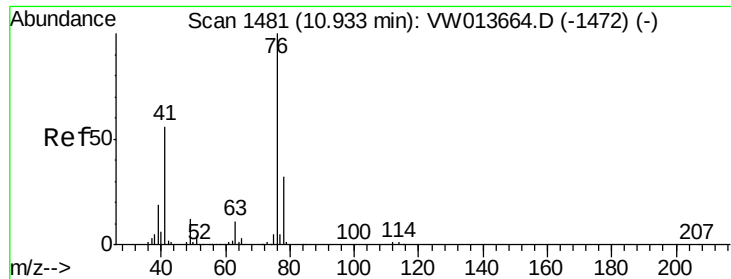


#56  
 Ethyl methacrylate  
 Concen: 4.192 ug/l  
 RT: 10.65 min Scan# 1434  
 Delta R.T. 0.00 min  
 Lab File: VW013661.D  
 Acq: 23 Oct 2019 11:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 69      | 100   |       |       |
| 41      | 71.0  | 51.6  | 77.4  |
| 39      | 31.6  | 22.4  | 33.6  |







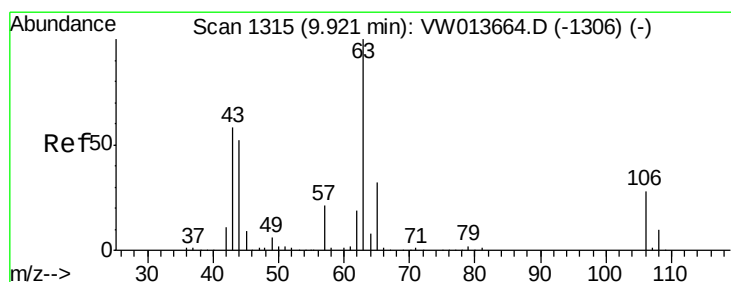
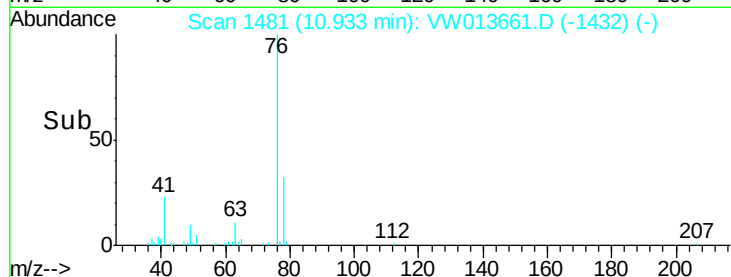
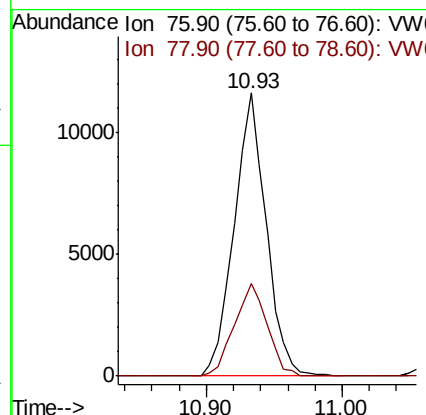
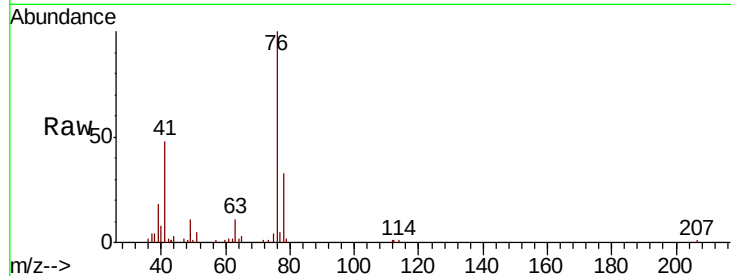
#57  
 1,3-Dichloropropane  
 Concen: 5.136 ug/l  
 RT: 10.93 min Scan# 1481  
 Delta R.T. 0.00 min  
 Lab File: VW013661.D  
 Acq: 23 Oct 2019 11:23

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

Tot Ion: 76 Resp: 19021  
 Ion Ratio Lower Upper  
 76 100  
 78 33.4 26.0 39.0

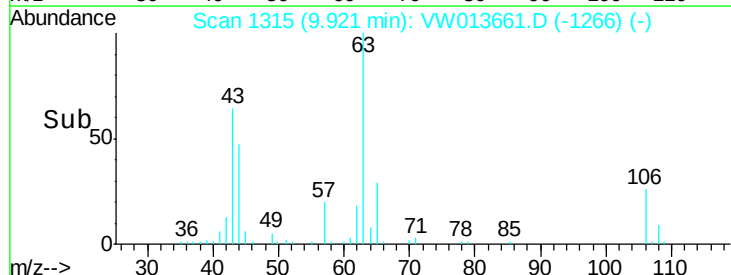
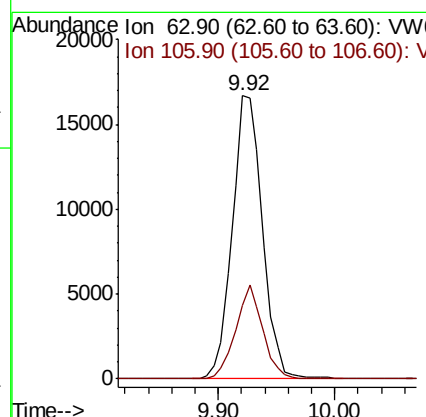
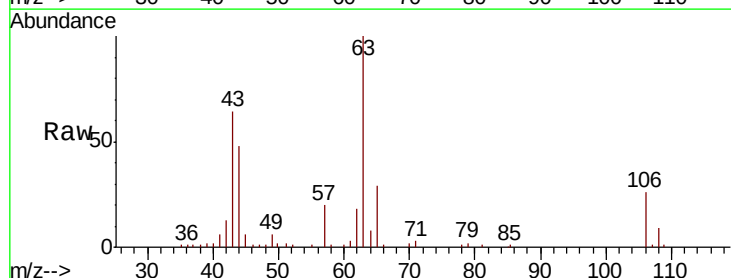
Manual Integrations  
 APPROVED

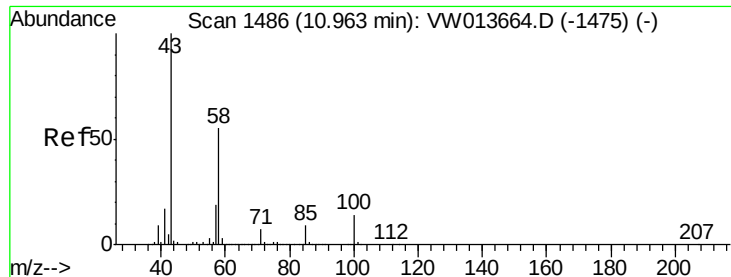
MMDadoda  
 10/24/2019 1:27:44 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 22.226 ug/l  
 RT: 9.92 min Scan# 1315  
 Delta R.T. 0.00 min  
 Lab File: VW013661.D  
 Acq: 23 Oct 2019 11:23

Tgt Ion: 63 Resp: 29938  
 Ion Ratio Lower Upper  
 63 100  
 106 29.6 23.8 35.8





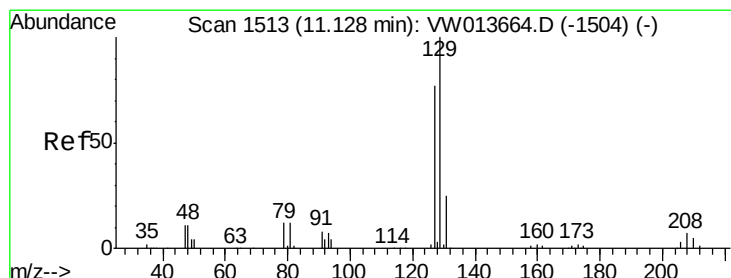
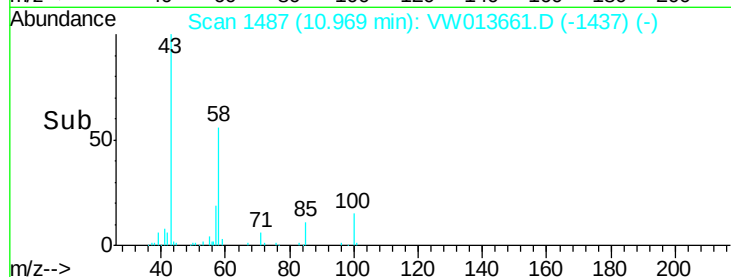
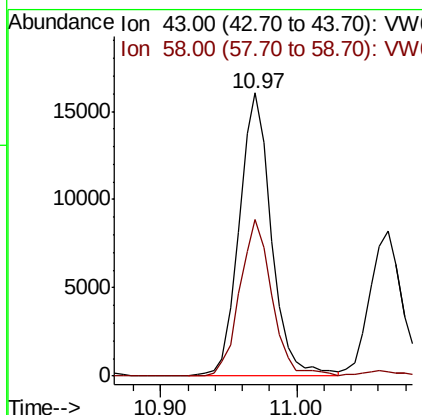
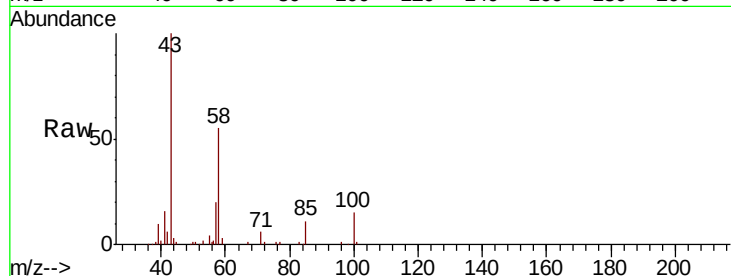
#59  
2-Hexanone  
Concen: 21.346 ug/l  
RT: 10.97 min Scan# 1487  
Delta R.T. 0.01 min  
Lab File: VW013661.D  
Acq: 23 Oct 2019 11:23

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | 43.00 | Resp  | 26502 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 43      | 100   |       |       |
| 58      | 55.3  | 27.9  | 83.7  |

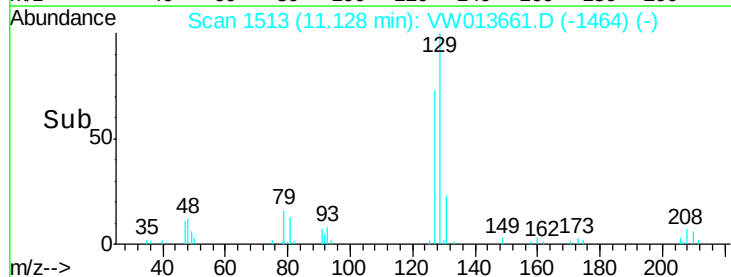
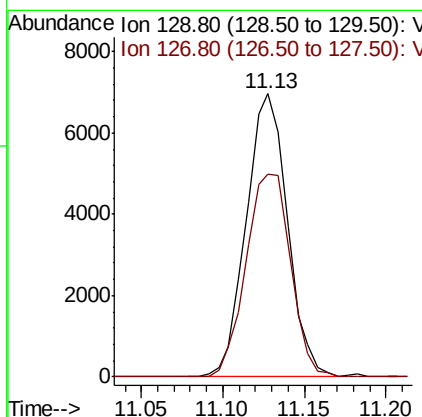
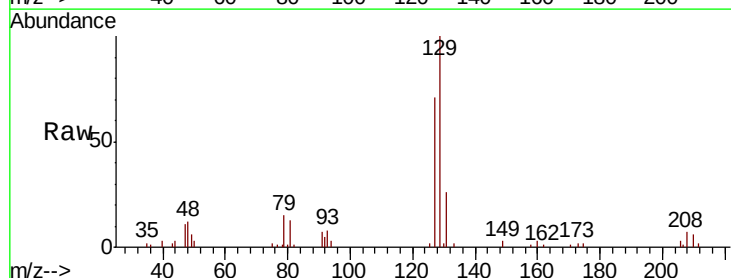
Manual Integrations  
APPROVED

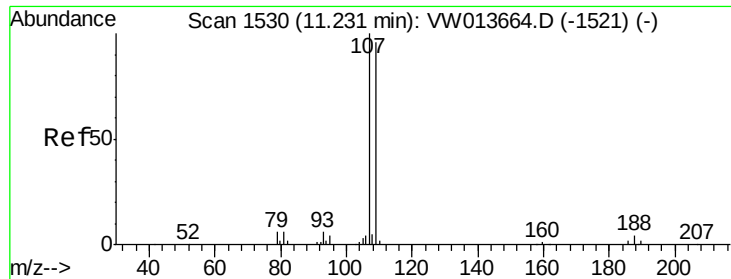
MMDadoda  
10/24/2019 1:27:44 PM



#60  
Dibromochloromethane  
Concen: 4.944 ug/l  
RT: 11.13 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VW013661.D  
Acq: 23 Oct 2019 11:23

| Tgt Ion | 129   | Resp  | 12256 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 129     | 100   |       |       |
| 127     | 77.6  | 38.9  | 116.7 |





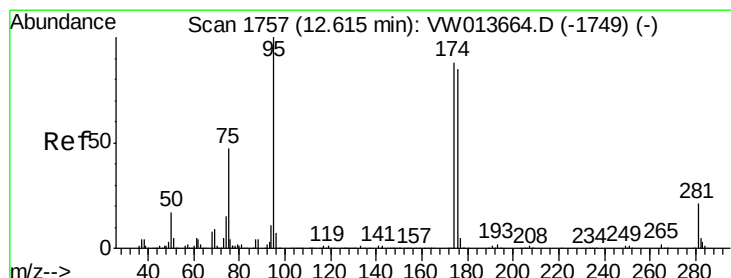
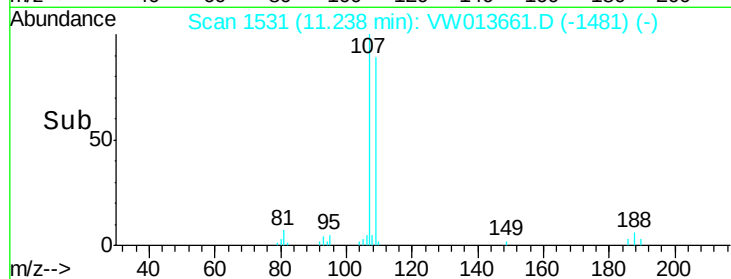
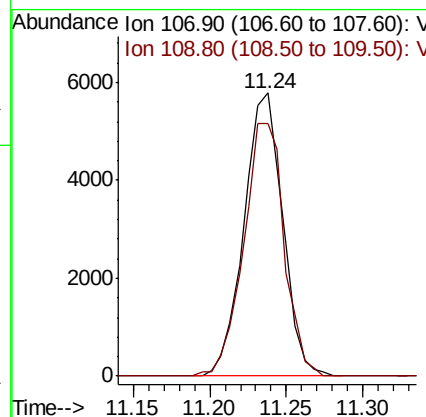
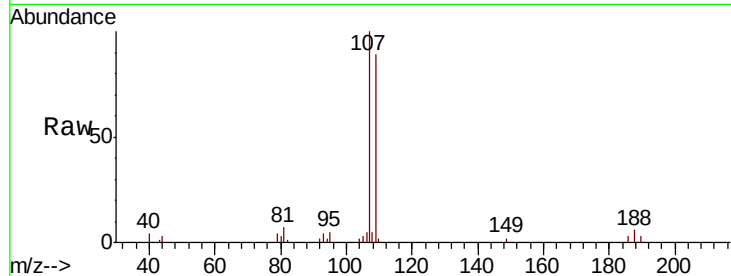
#61  
 1,2-Dibromoethane  
 Concen: 4.953 ug/l  
 RT: 11.24 min Scan# 1531  
 Delta R.T. 0.01 min  
 Lab File: VW013661.D  
 Acq: 23 Oct 2019 11:23

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 93.5  | 75.7  | 113.5 |

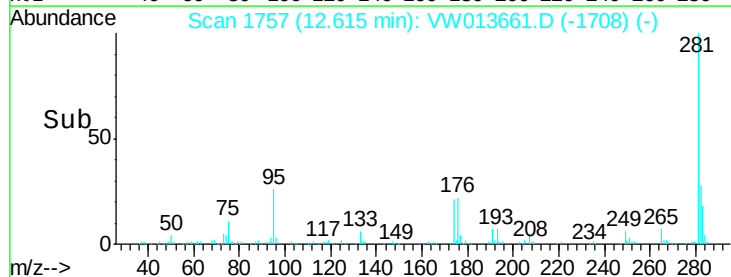
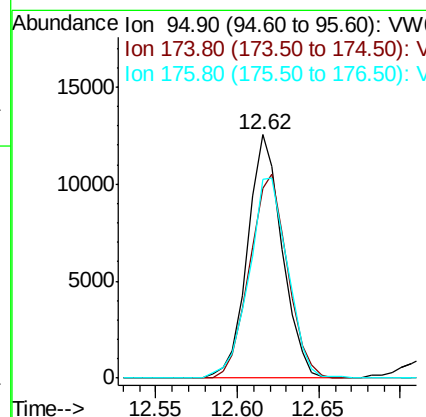
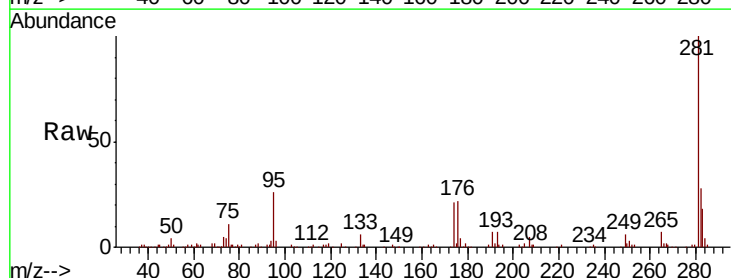
Manual Integrations  
 APPROVED

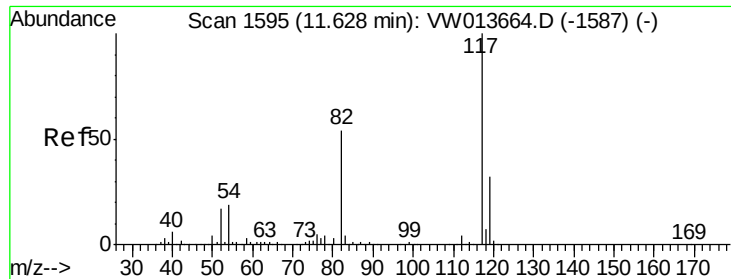
MMDadoda  
 10/24/2019 1:27:44 PM



#62  
 4-Bromofluorobenzene  
 Concen: 4.935 ug/l  
 RT: 12.62 min Scan# 1757  
 Delta R.T. 0.00 min  
 Lab File: VW013661.D  
 Acq: 23 Oct 2019 11:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 91.0  | 0.0   | 183.6 |
| 176     | 91.5  | 0.0   | 178.0 |





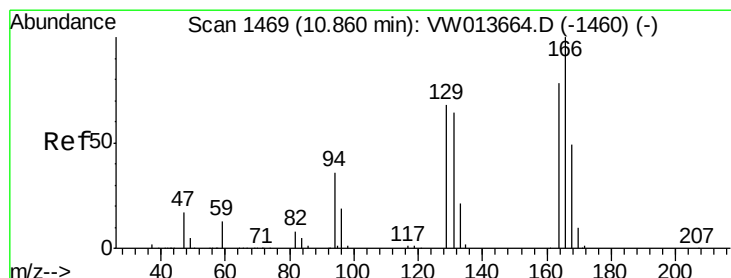
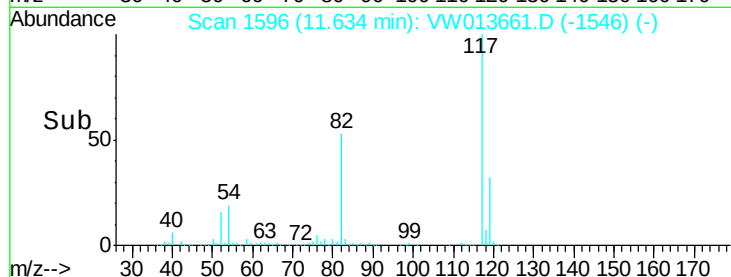
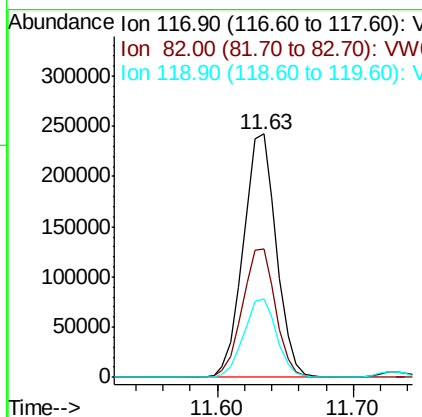
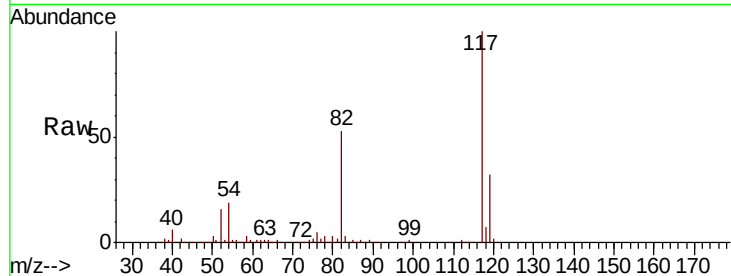
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.01 min  
Lab File: VW013661.D  
Acq: 23 Oct 2019 11:23

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.7  | 43.6  | 65.4  |
| 119     | 32.2  | 25.4  | 38.2  |

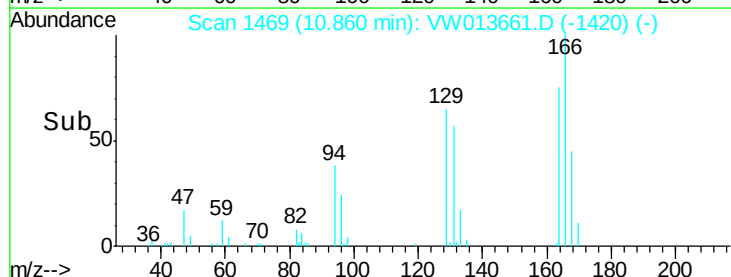
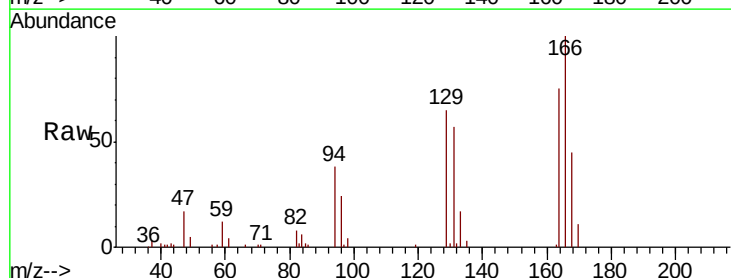
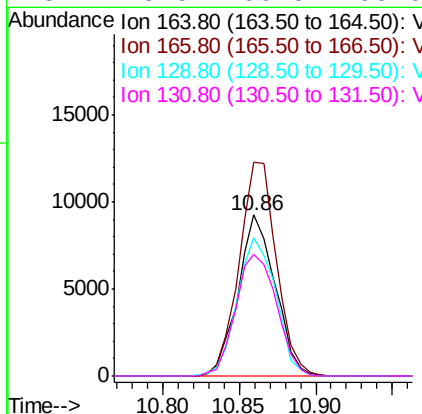
Manual Integrations  
APPROVED

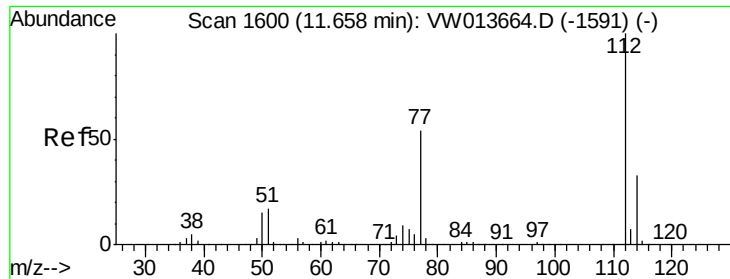
MMDadoda  
10/24/2019 1:27:44 PM



#64  
Tetrachloroethene  
Concen: 5.111 ug/l  
RT: 10.86 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VW013661.D  
Acq: 23 Oct 2019 11:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 132.8 | 103.2 | 154.8 |
| 129     | 85.8  | 70.6  | 105.8 |
| 131     | 75.5  | 66.0  | 99.0  |





#65

Chlorobenzene

Concen: 5.261 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 43162

Ion Ratio Lower Upper

112 100

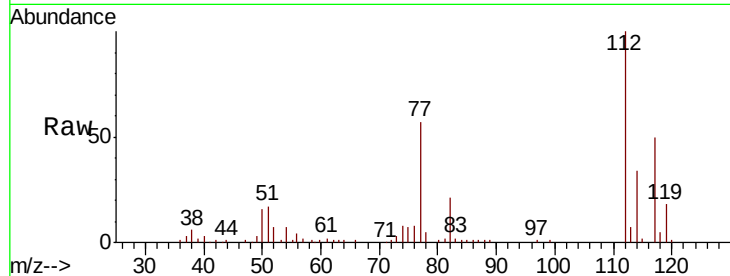
114 33.9 26.2 39.4

Manual Integrations

APPROVED

MMDadoda

10/24/2019 1:27:44 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

25000

20000

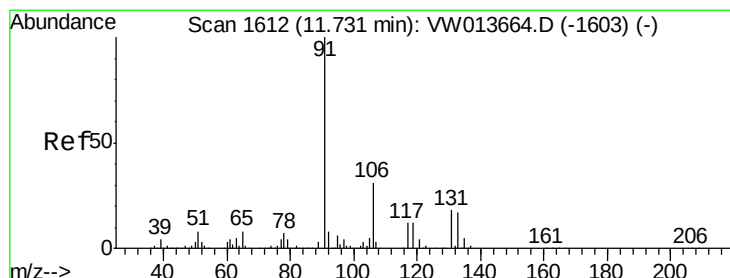
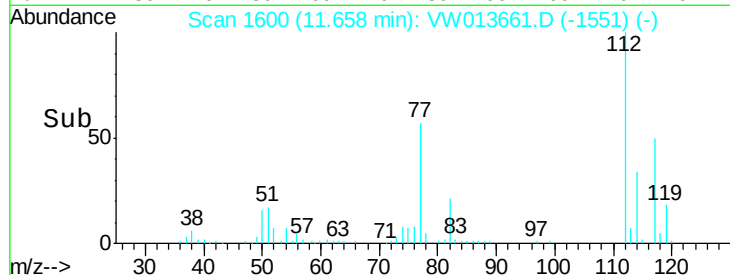
15000

10000

5000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 5.075 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

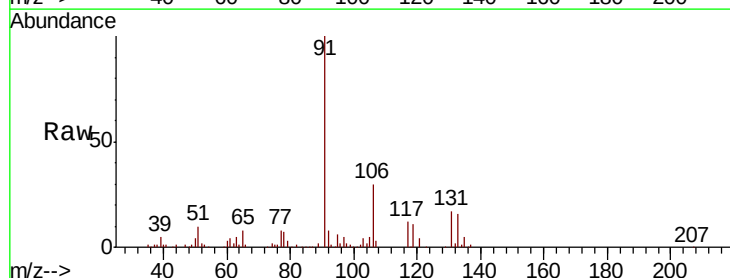
Tgt Ion:131 Resp: 14498

Ion Ratio Lower Upper

131 100

133 94.2 47.4 142.3

119 67.0 33.1 99.2



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

100000

80000

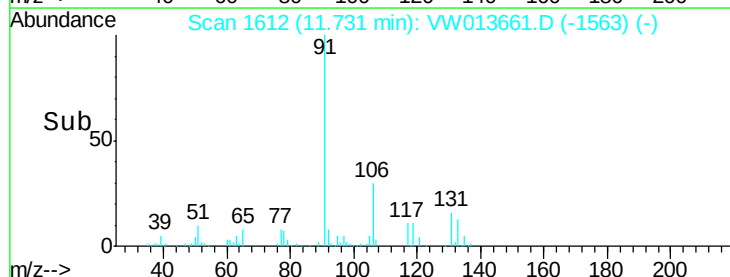
60000

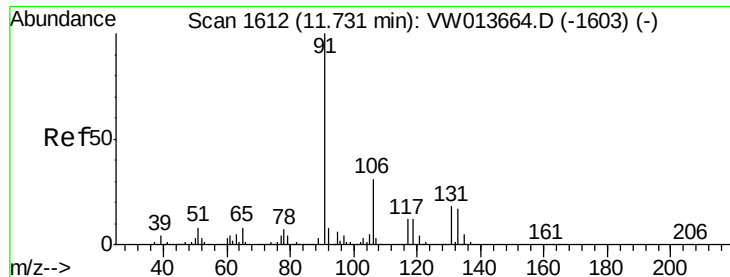
40000

20000

0

Time-->





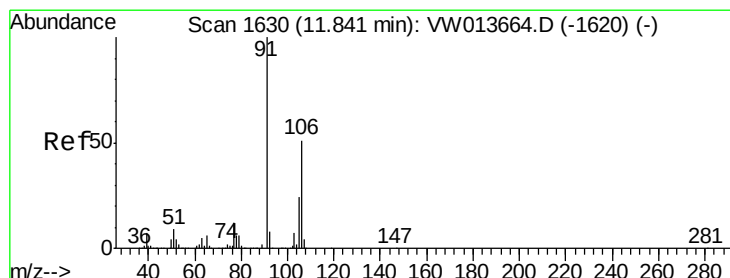
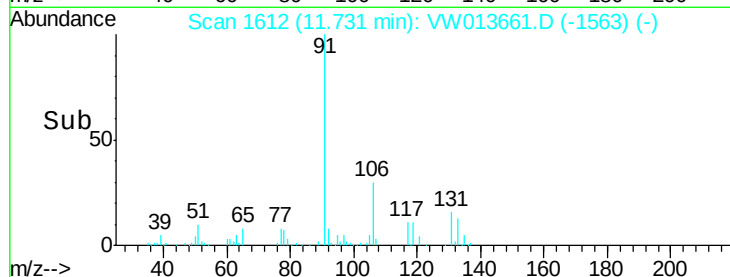
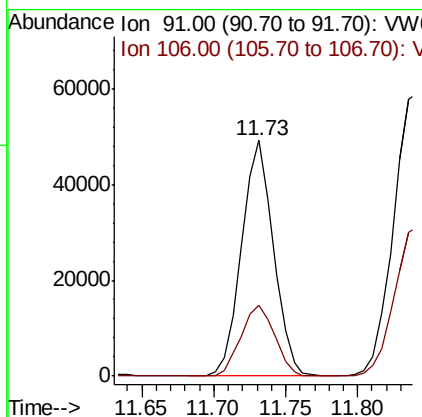
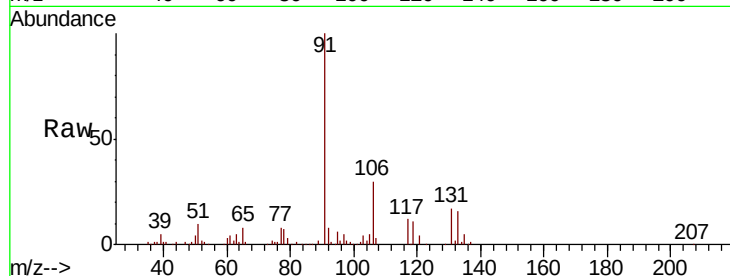
#67  
Ethyl Benzene  
Concen: 5.031 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW013661.D  
Acq: 23 Oct 2019 11:23

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

Tot Ion: 91 Resp: 75522  
Ion Ratio Lower Upper  
91 100  
106 30.2 25.0 37.6

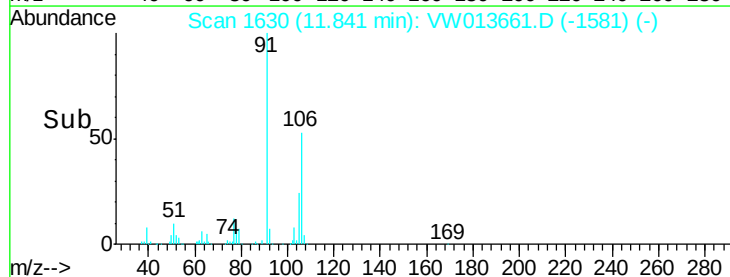
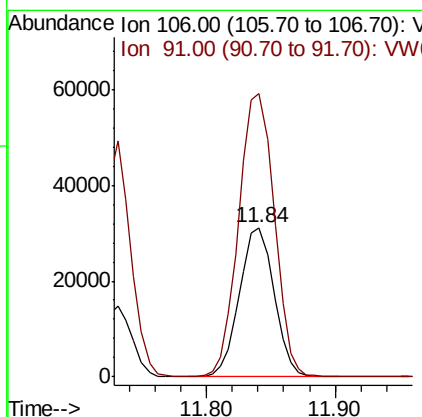
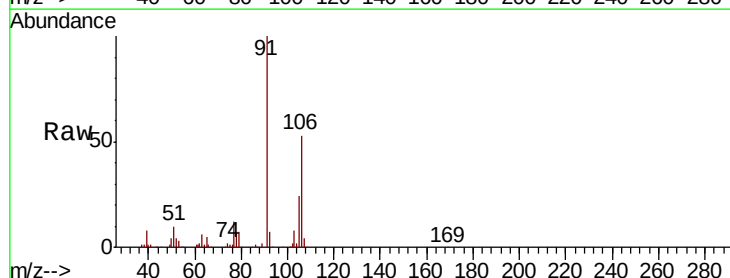
Manual Integrations  
APPROVED

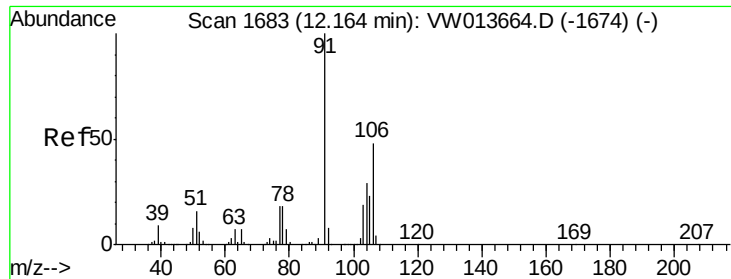
MMDadoda  
10/24/2019 1:27:44 PM



#68  
m/p-Xylenes  
Concen: 10.189 ug/l  
RT: 11.84 min Scan# 1630  
Delta R.T. 0.00 min  
Lab File: VW013661.D  
Acq: 23 Oct 2019 11:23

Tgt Ion: 106 Resp: 58181  
Ion Ratio Lower Upper  
106 100  
91 195.1 159.2 238.8





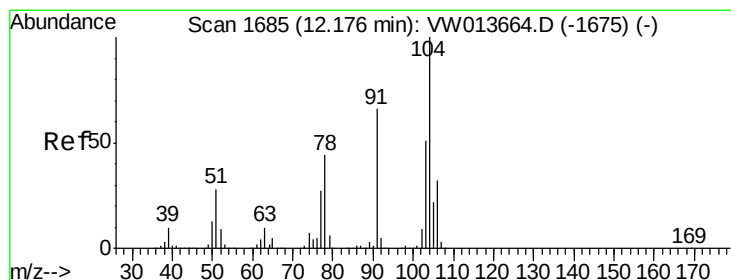
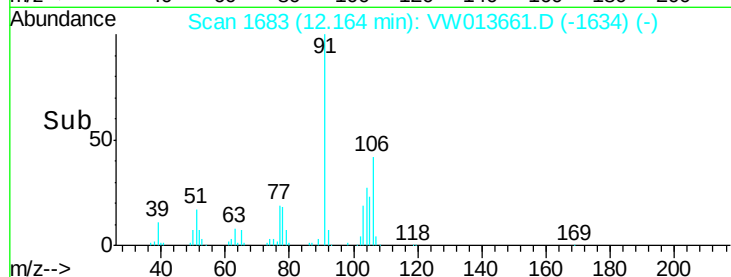
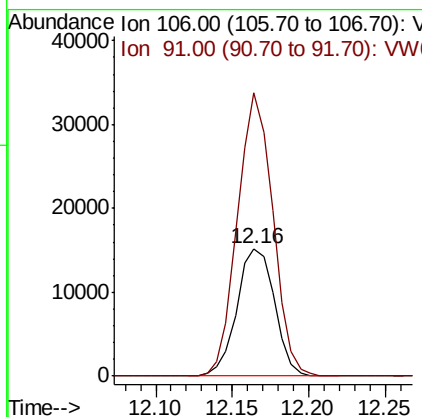
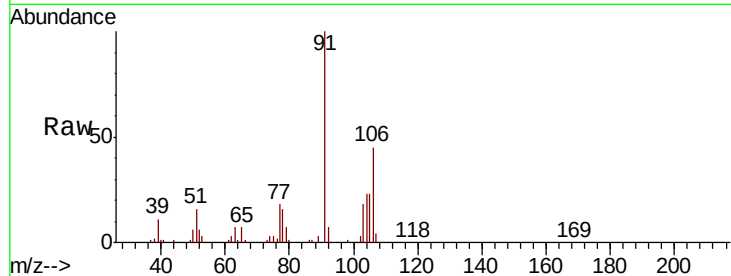
#69  
o-Xylene  
Concen: 4.923 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. 0.00 min  
Lab File: VW013661.D  
Acq: 23 Oct 2019 11:23

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 209.4 | 104.9 | 314.7 |

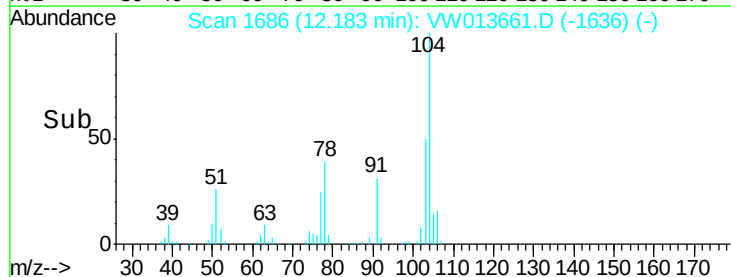
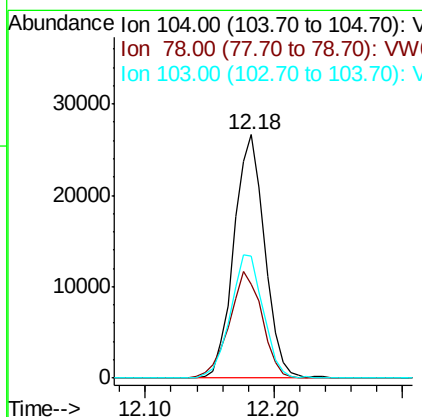
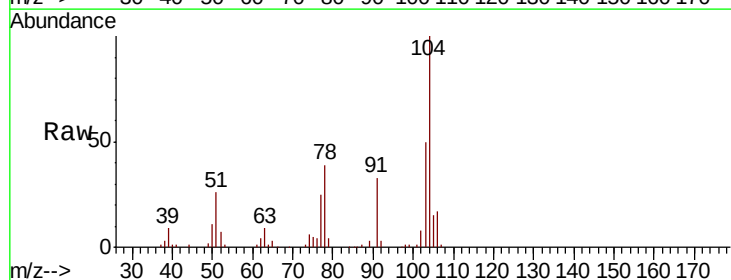
Manual Integrations  
APPROVED

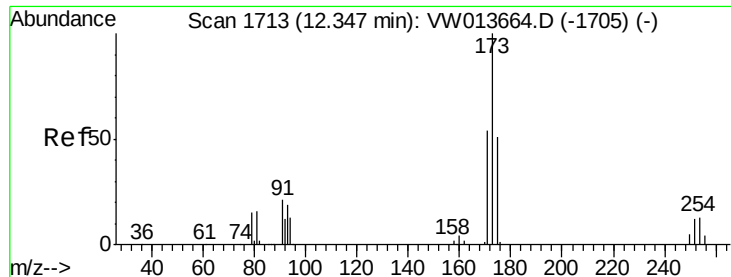
MMDadoda  
10/24/2019 1:27:44 PM



#70  
Styrene  
Concen: 4.875 ug/l  
RT: 12.18 min Scan# 1686  
Delta R.T. 0.01 min  
Lab File: VW013661.D  
Acq: 23 Oct 2019 11:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 46.7  | 37.1  | 55.7  |
| 103     | 54.3  | 43.6  | 65.4  |





#71

Bromoform

Concen: 4.866 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

Instrument :

MSVOA\_W

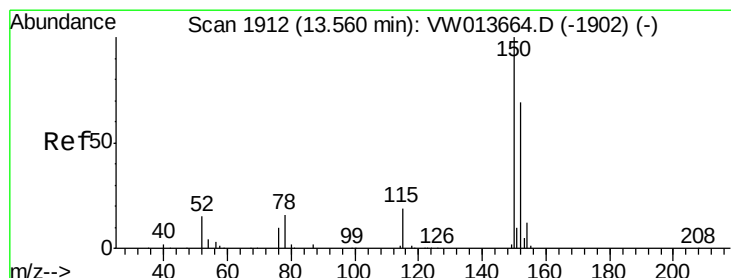
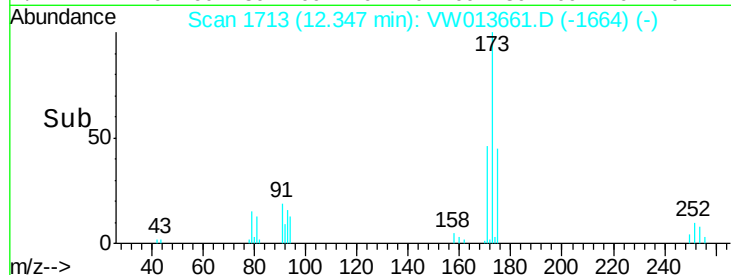
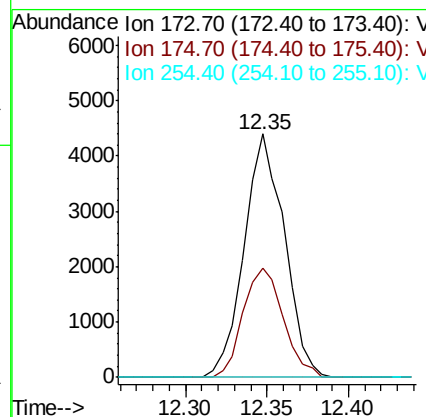
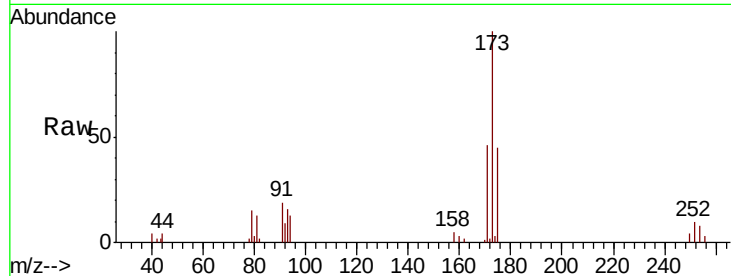
ClientSampleId :

VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 44.8  | 25.2  | 75.6  |
| 254     | 0.0   | 0.1   | 0.1#  |

Manual Integrations  
APPROVED

MMDadoda  
10/24/2019 1:27:44 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

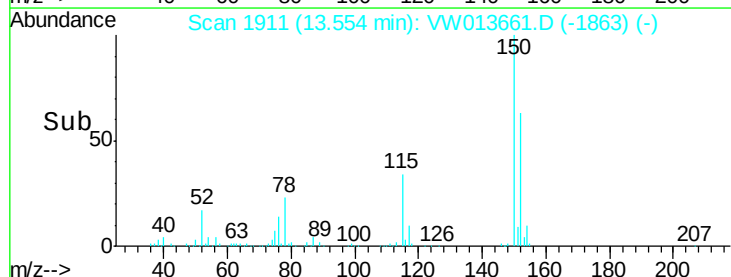
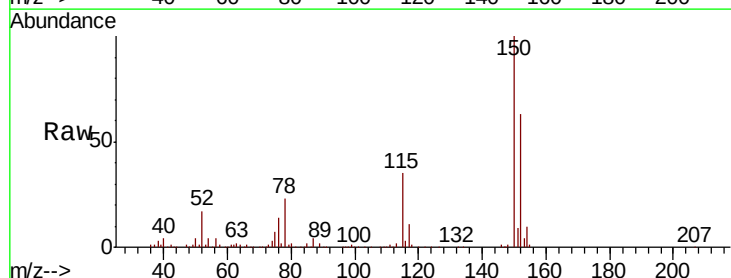
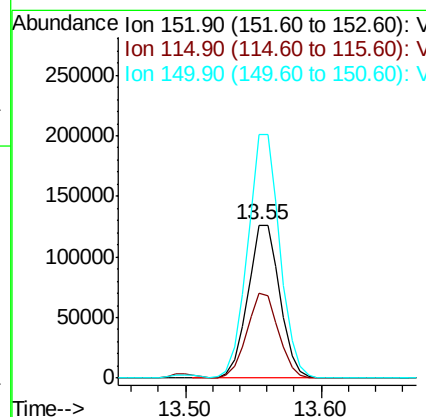
RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

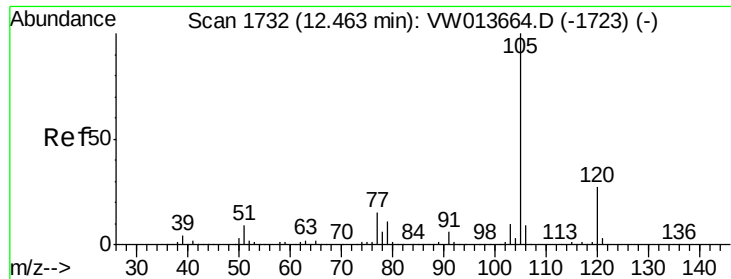
Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 54.6  | 27.4  | 82.2  |
| 150     | 159.8 | 0.0   | 345.4 |







#73

Isopropylbenzene

Concen: 4.932 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 73550

Ion Ratio Lower Upper

105 100

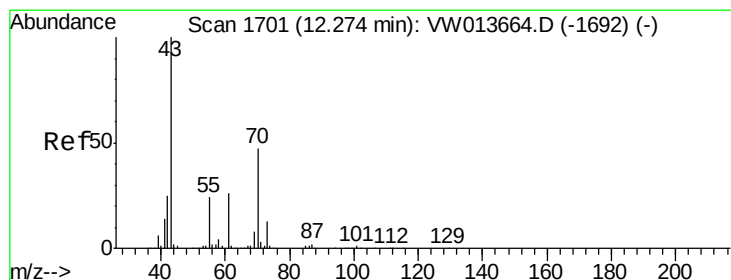
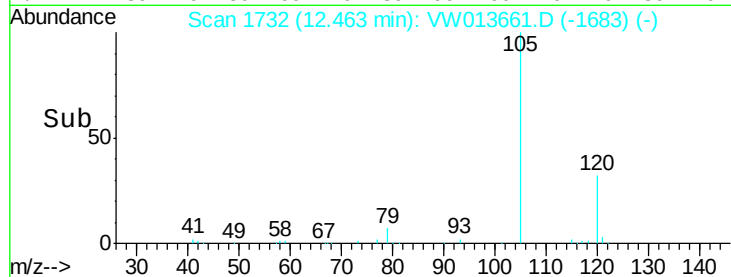
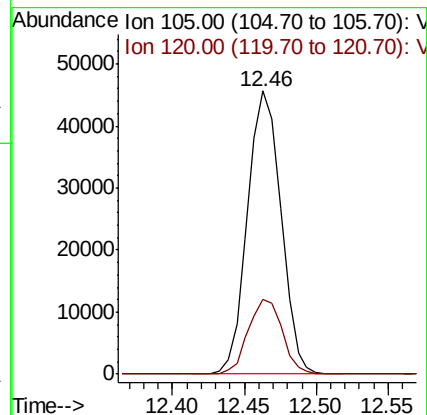
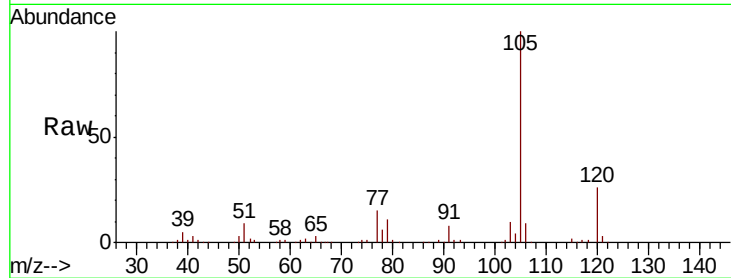
120 26.7 13.5 40.4

Manual Integrations

APPROVED

MMDadoda

10/24/2019 1:27:44 PM



#74

N-ethyl acetate

Concen: 4.179 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

Tgt Ion: 43 Resp: 13380

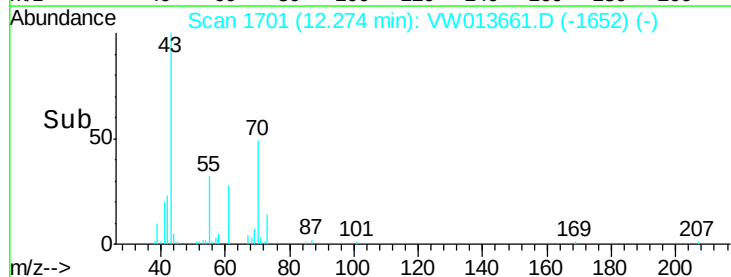
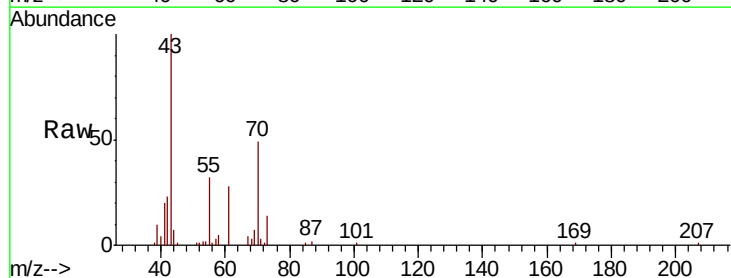
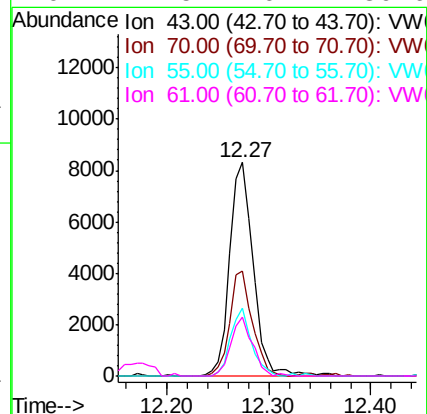
Ion Ratio Lower Upper

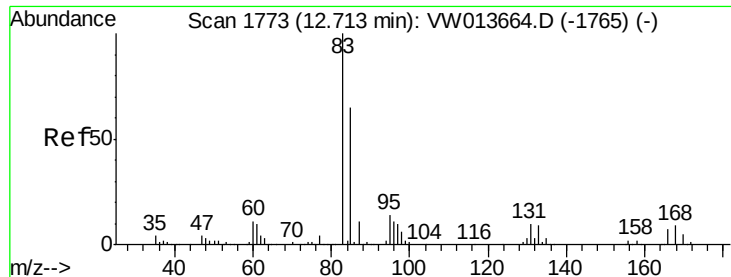
43 100

70 46.7 36.6 55.0

55 28.0 20.3 30.5

61 24.5 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 4.873 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

Instrument :

MSVOA\_W

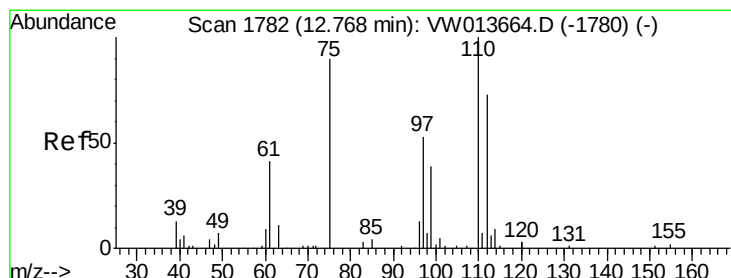
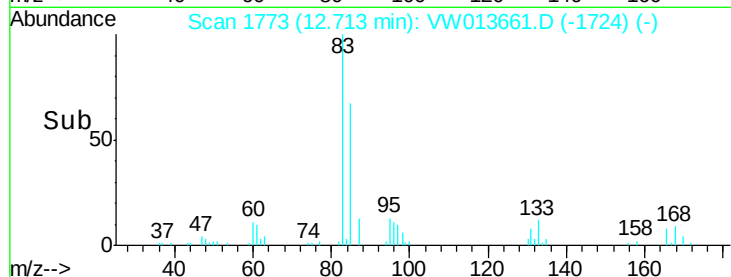
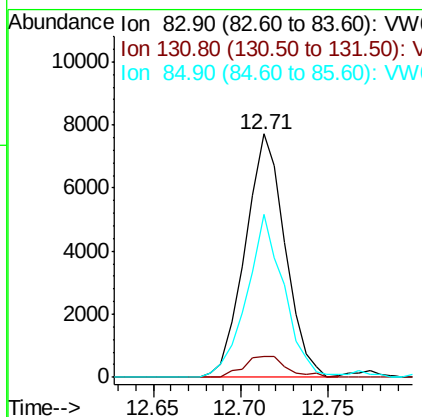
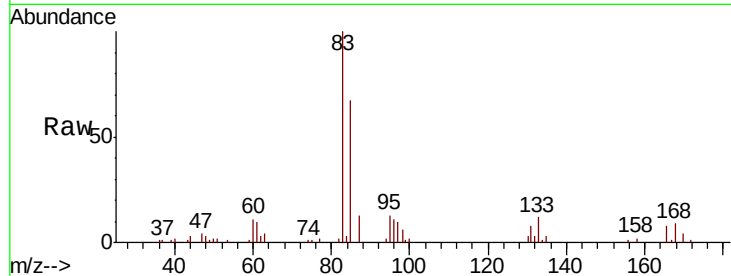
ClientSampleId :

VSTDIC005

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 12238 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 9.4   | 5.7   | 17.1  |
| 85        | 62.9  | 32.5  | 97.4  |

Manual Integrations  
APPROVED

MMDadoda  
10/24/2019 1:27:44 PM



#76

1,2,3-Trichloropropane

Concen: 4.738 ug/l m

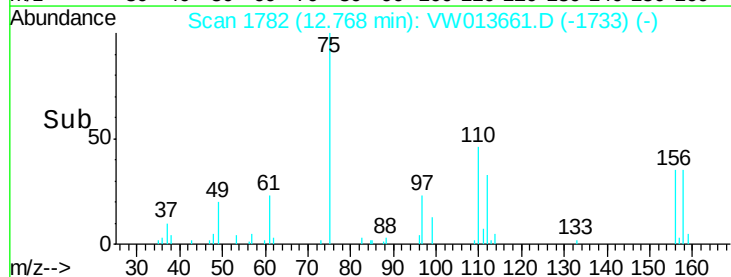
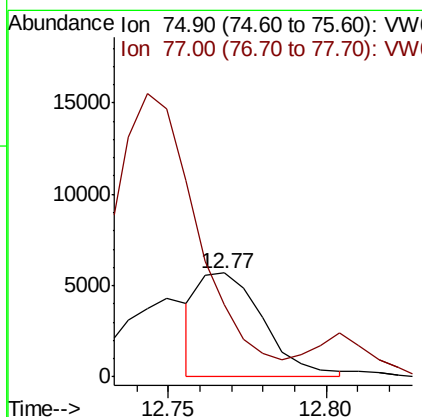
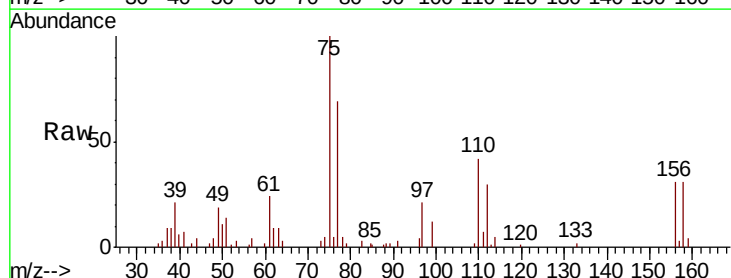
RT: 12.77 min Scan# 1782

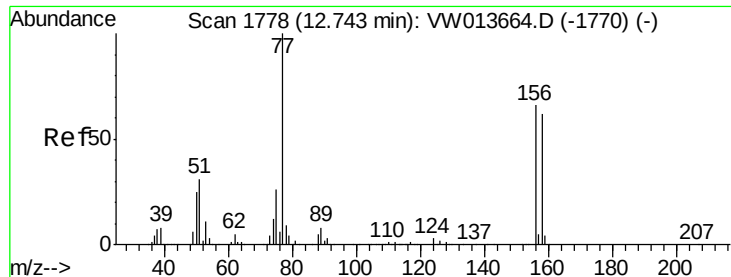
Delta R.T. 0.00 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 75    | Resp: | 8088 |
| Ion Ratio | Lower | Upper |      |
| 75        | 100   |       |      |
| 77        | 0.0   | 0.0   | 0.0  |





#77

Bromobenzene

Concen: 5.062 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

Instrument :

MSVOA\_W

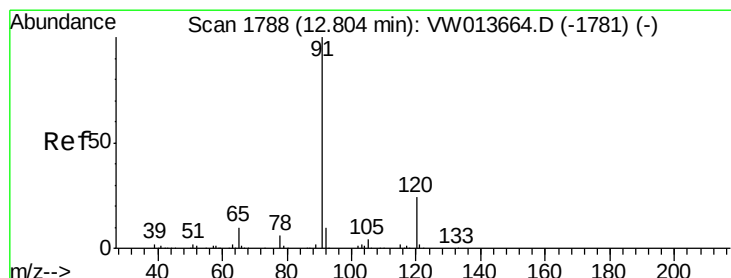
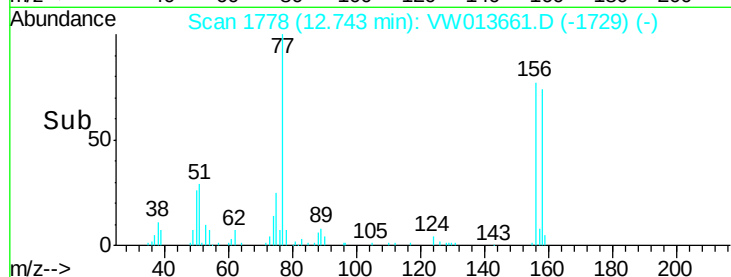
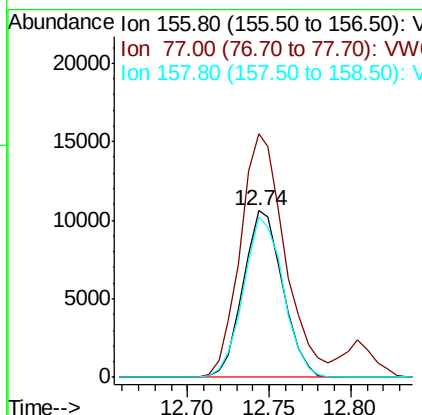
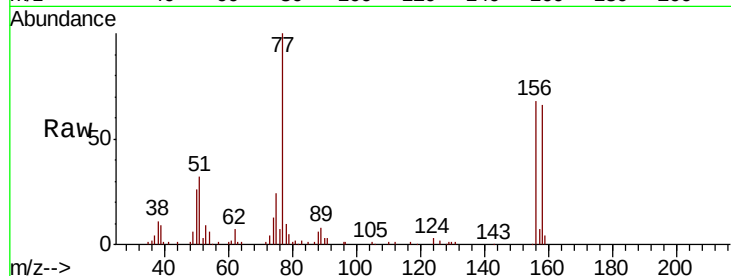
ClientSampleId :

VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 156   | Resp: | 17951 |
| Ion      | Ratio | Lower | Upper |
| 156      | 100   |       |       |
| 77       | 164.4 | 82.9  | 248.7 |
| 158      | 96.9  | 48.4  | 145.2 |

Manual Integrations  
APPROVED

MMDadoda  
10/24/2019 1:27:44 PM



#78

n-propylbenzene

Concen: 4.780 ug/l

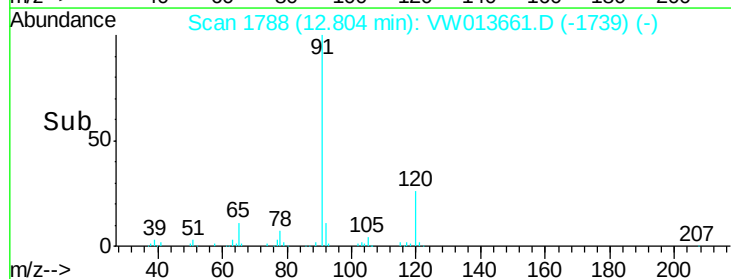
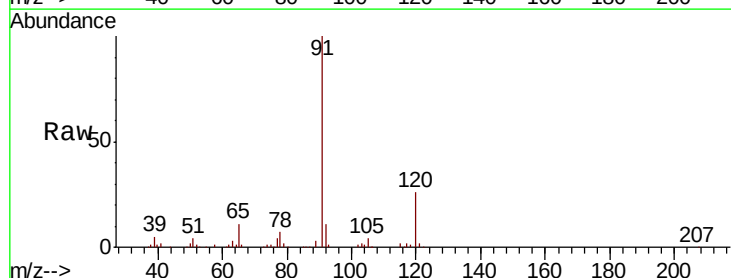
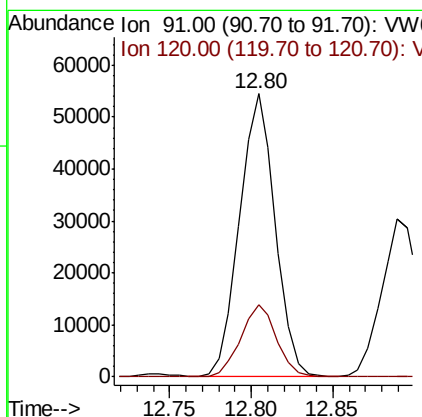
RT: 12.80 min Scan# 1788

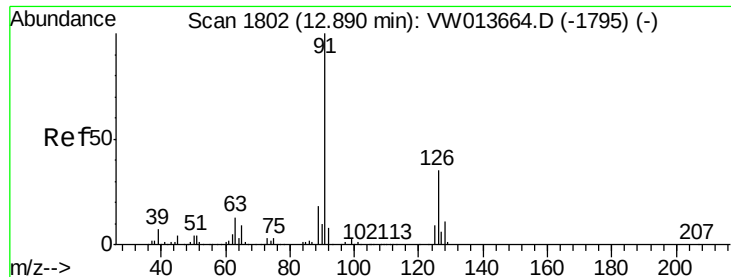
Delta R.T. 0.00 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 82467 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 120      | 25.7  | 12.0  | 36.0  |





#79

2-Chlorotoluene

Concen: 5.037 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 48770

Ion Ratio Lower Upper

91 100

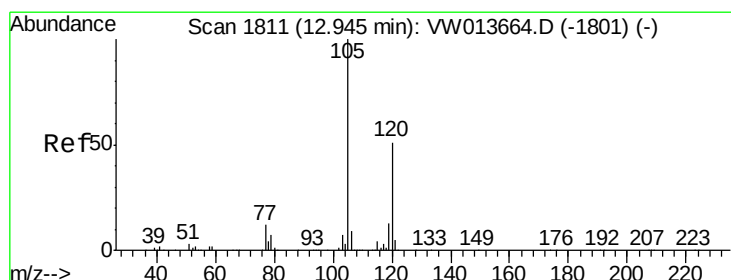
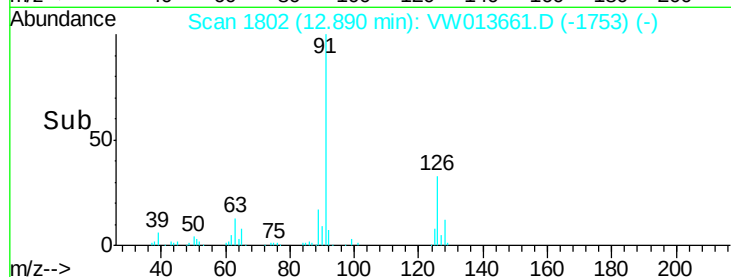
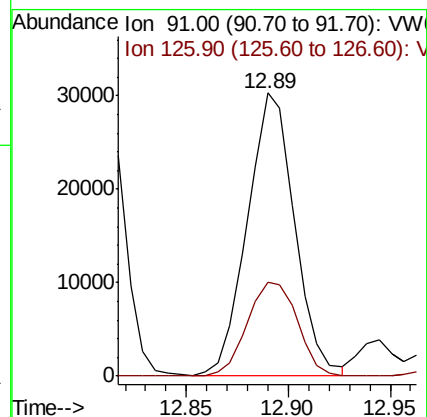
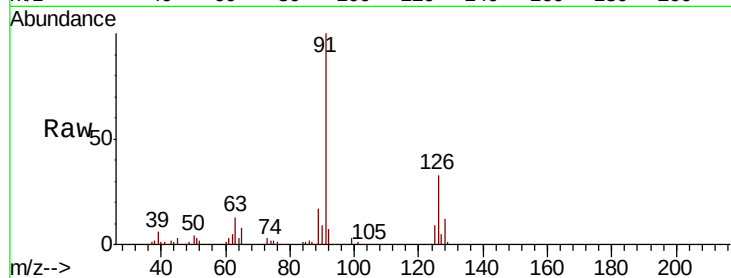
126 35.3 17.4 52.2

Manual Integrations

APPROVED

MMDadoda

10/24/2019 1:27:44 PM



#80

1,3,5-Trimethylbenzene

Concen: 4.937 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013661.D

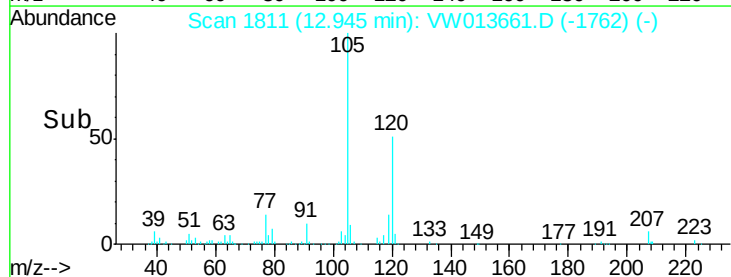
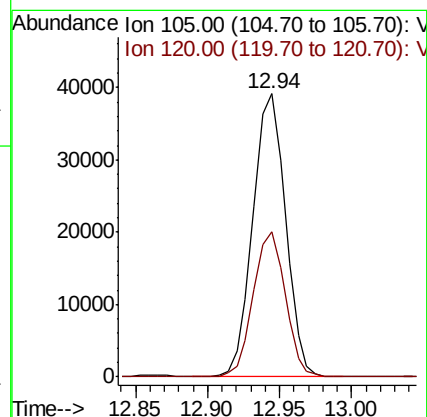
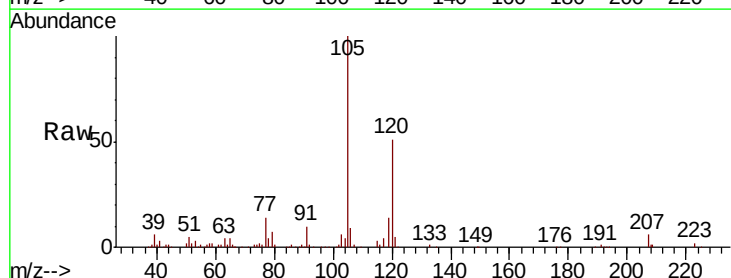
Acq: 23 Oct 2019 11:23

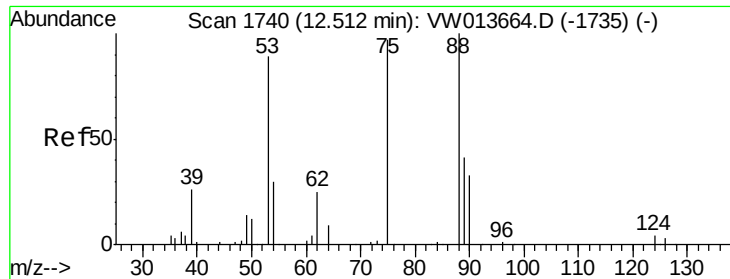
Tgt Ion: 105 Resp: 61473

Ion Ratio Lower Upper

105 100

120 50.1 25.1 75.3





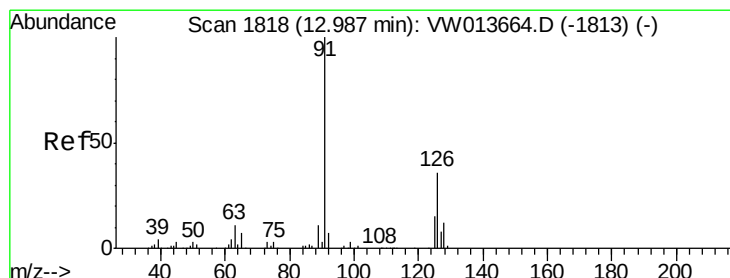
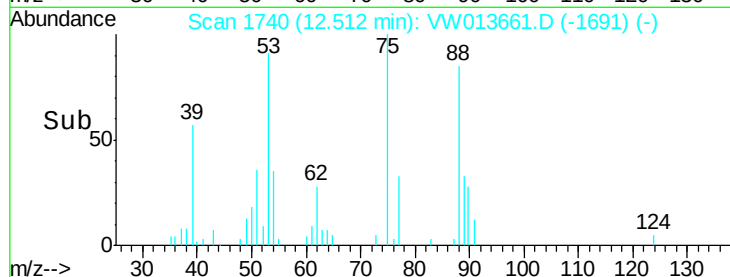
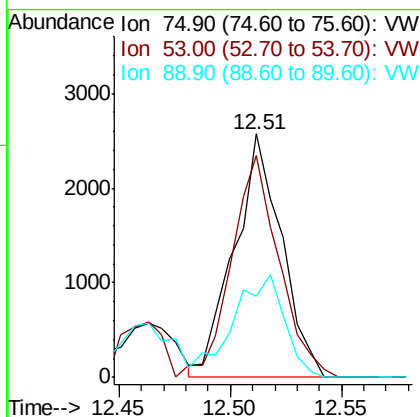
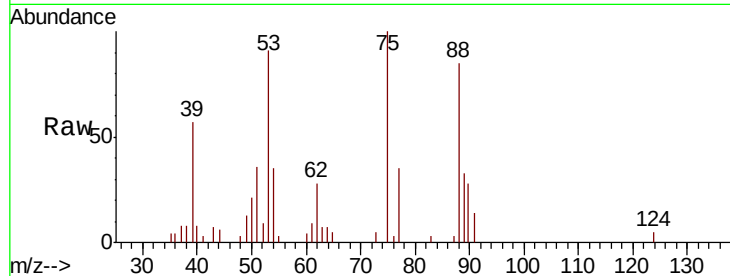
#81  
trans-1,4-Dichloro-2-butene  
Concen: 4.542 ug/l  
RT: 12.51 min Scan# 1740  
Delta R.T. 0.00 min  
Lab File: VW013661.D  
Acq: 23 Oct 2019 11:23

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 89.5  | 71.7  | 107.5 |
| 89      | 45.8  | 35.8  | 53.8  |

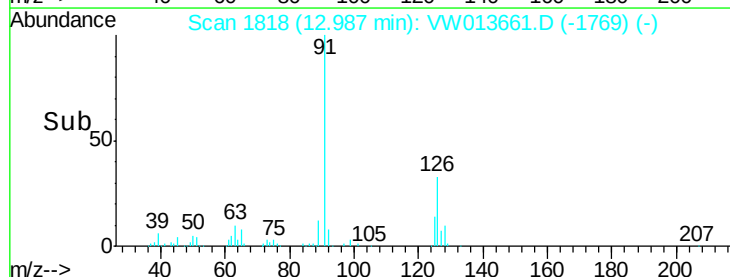
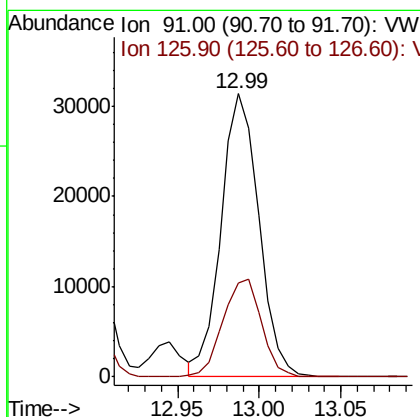
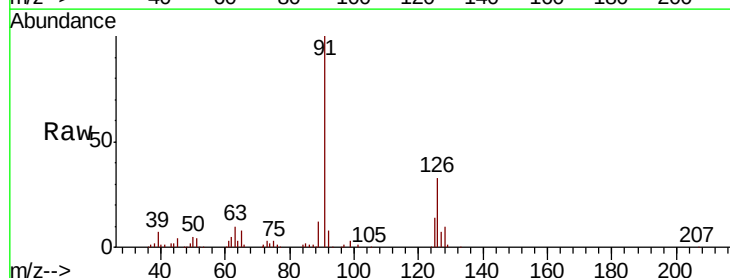
Manual Integrations  
APPROVED

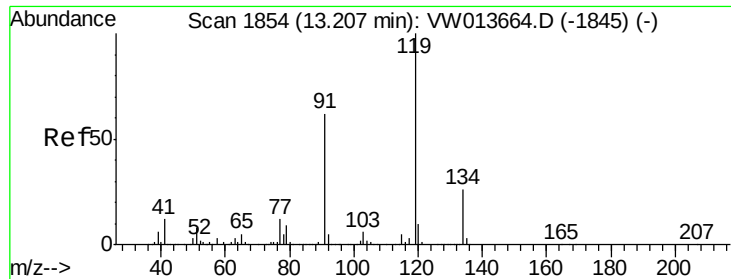
MMDadoda  
10/24/2019 1:27:44 PM



#82  
4-Chlorotoluene  
Concen: 5.028 ug/l  
RT: 12.99 min Scan# 1818  
Delta R.T. 0.00 min  
Lab File: VW013661.D  
Acq: 23 Oct 2019 11:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 35.1  | 17.2  | 51.5  |





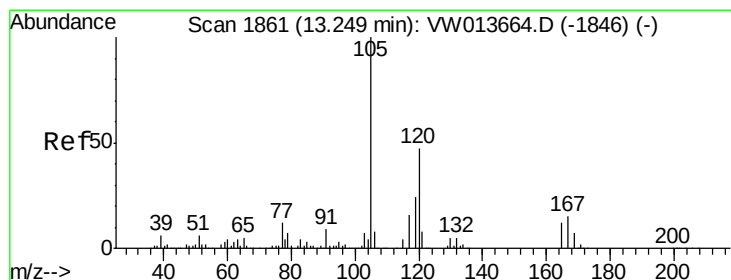
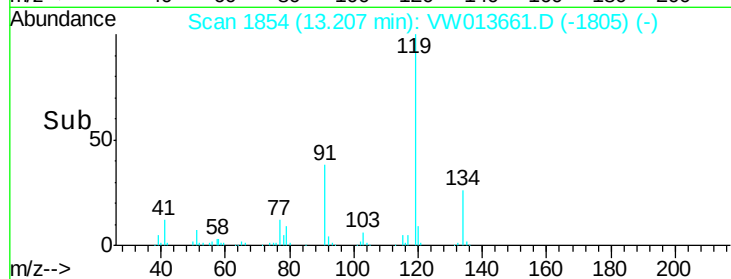
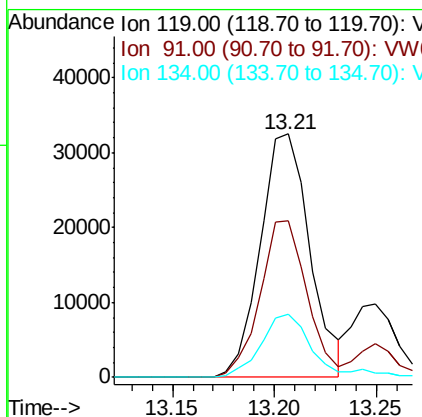
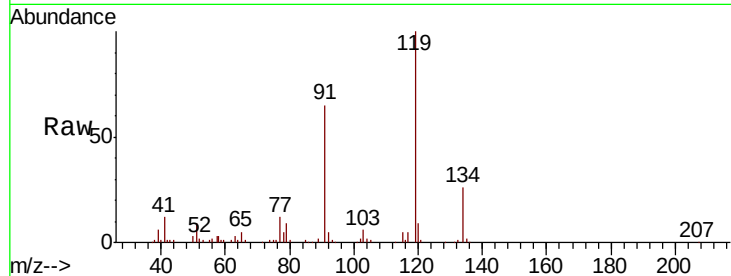
#83  
tert-Butylbenzene  
Concen: 4.994 ug/l  
RT: 13.21 min Scan# 1854  
Delta R.T. 0.00 min  
Lab File: VW013661.D  
Acq: 23 Oct 2019 11:23

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 60.8  | 30.4  | 91.3  |
| 134     | 27.6  | 13.6  | 40.8  |

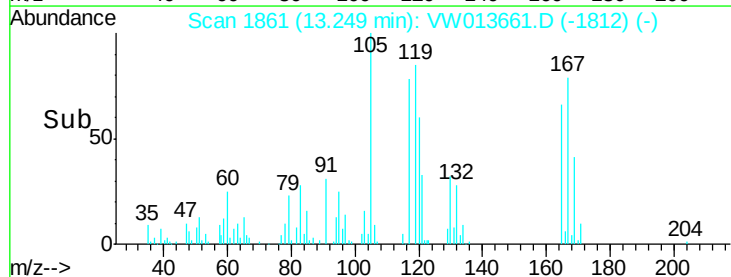
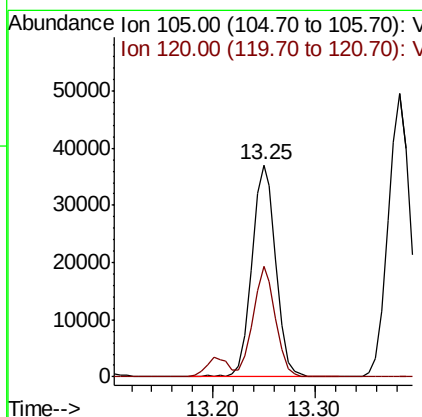
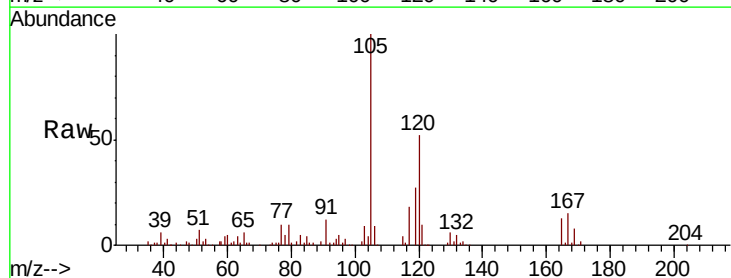
Manual Integrations  
APPROVED

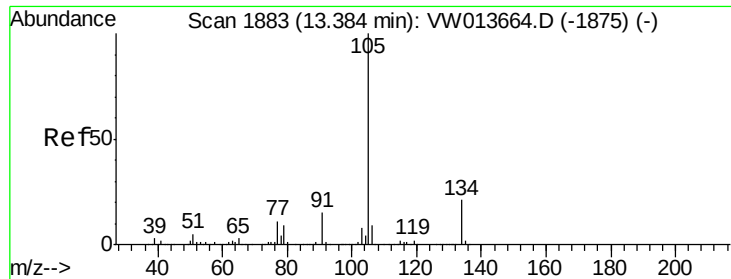
MMDadoda  
10/24/2019 1:27:44 PM



#84  
1,2,4-Trimethylbenzene  
Concen: 4.940 ug/l  
RT: 13.25 min Scan# 1861  
Delta R.T. 0.00 min  
Lab File: VW013661.D  
Acq: 23 Oct 2019 11:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 48.2  | 23.5  | 70.5  |





#85

sec-Butylbenzene

Concen: 4.972 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 75668

Ion Ratio Lower Upper

105 100

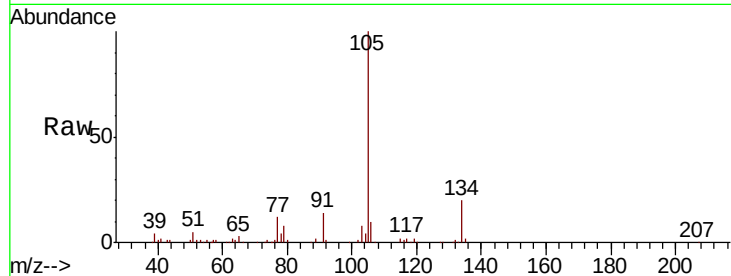
134 21.1 10.5 31.5

Manual Integrations

APPROVED

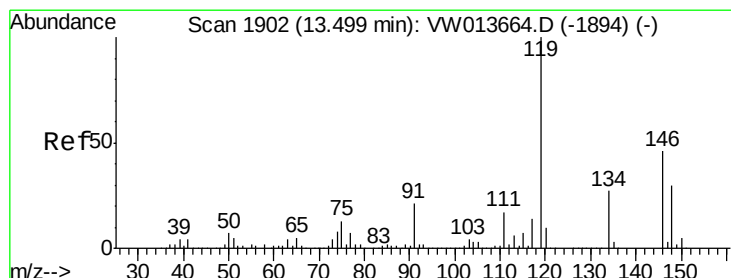
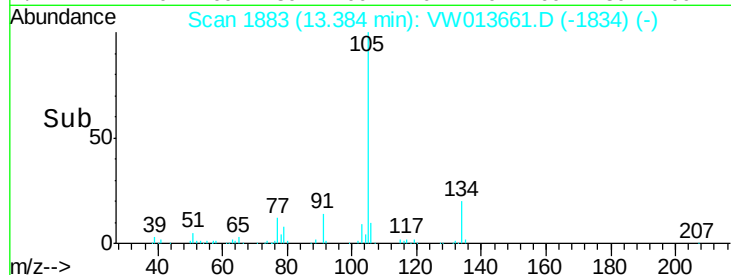
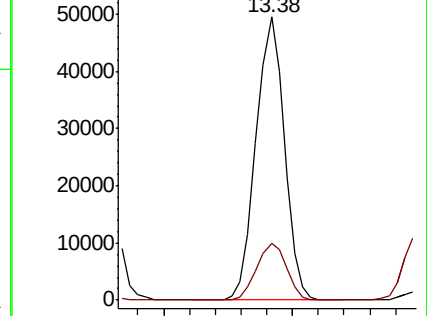
MMDadoda

10/24/2019 1:27:44 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.054 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

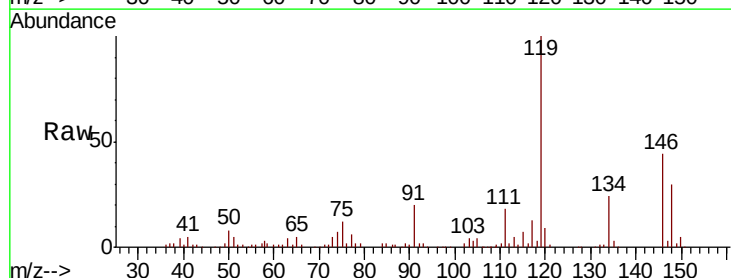
Tgt Ion:119 Resp: 70845

Ion Ratio Lower Upper

119 100

134 26.0 13.4 40.1

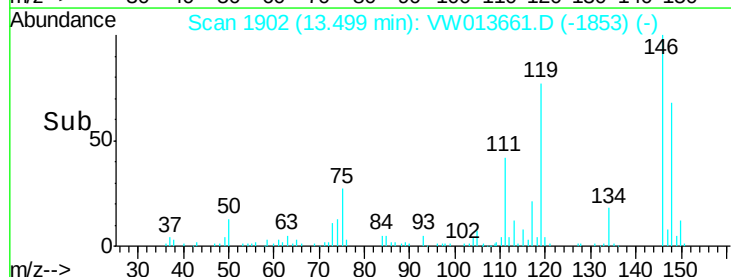
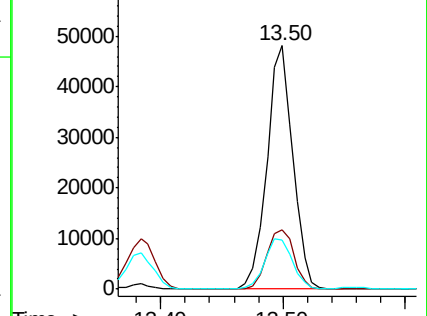
91 22.4 10.8 32.3

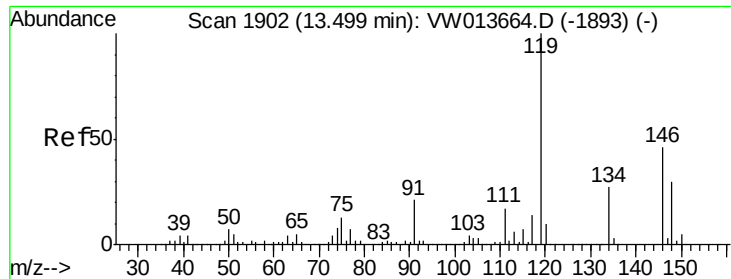


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





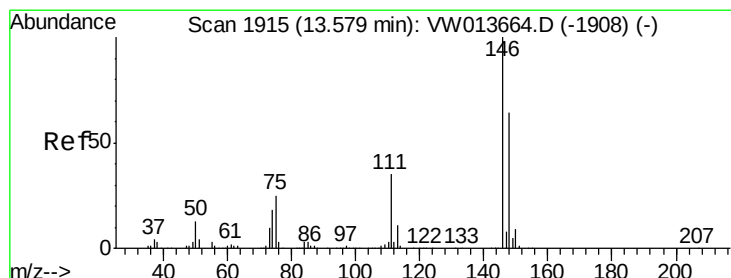
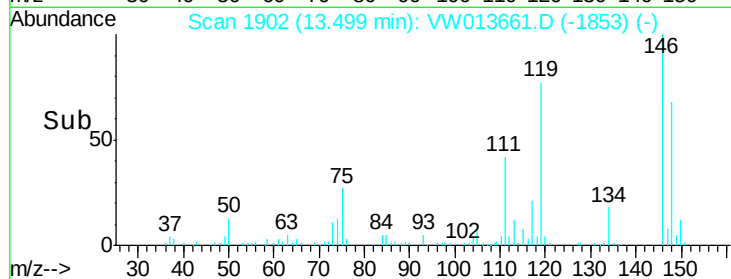
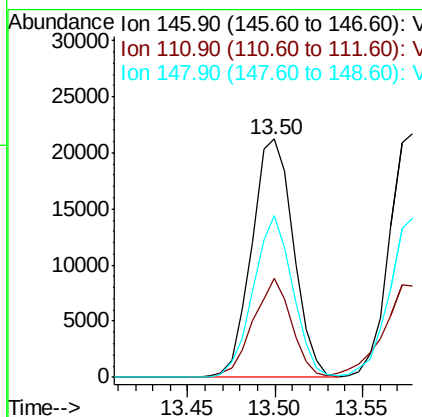
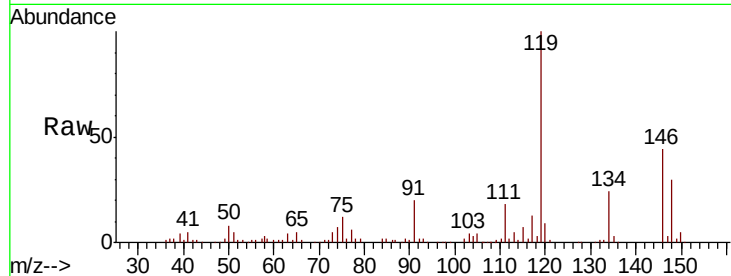
#87  
 1,3-Dichlorobenzene  
 Concen: 5.229 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. 0.00 min  
 Lab File: VW013661.D  
 Acq: 23 Oct 2019 11:23

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.4  | 18.6  | 56.0  |
| 148     | 64.4  | 31.7  | 95.1  |

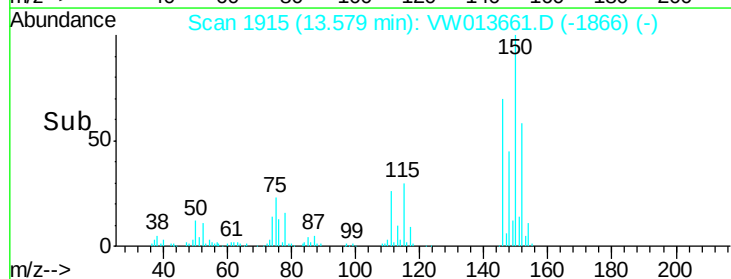
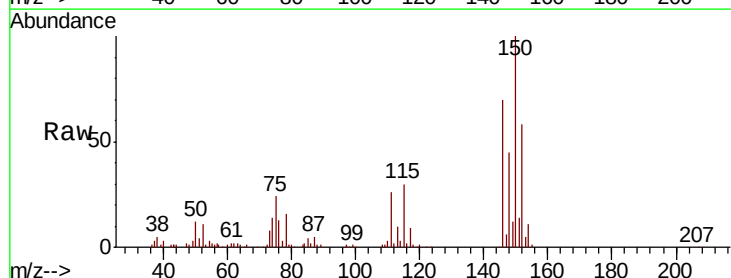
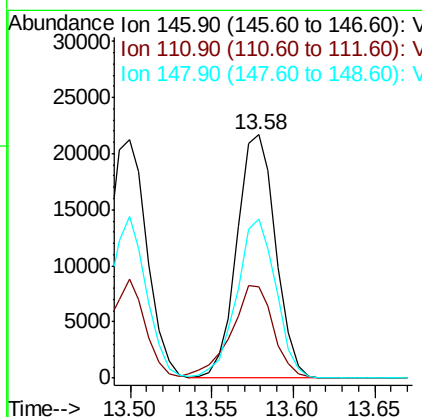
Manual Integrations  
 APPROVED

MMDadoda  
 10/24/2019 1:27:44 PM

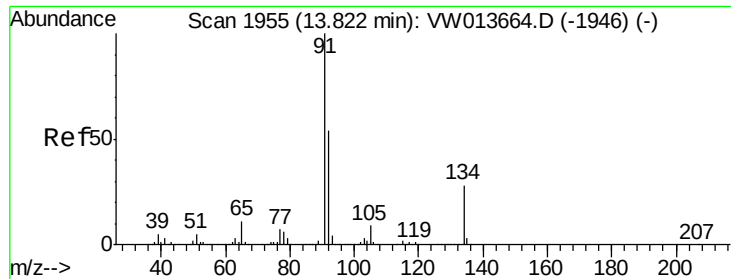


#88  
 1,4-Dichlorobenzene  
 Concen: 5.420 ug/l  
 RT: 13.58 min Scan# 1915  
 Delta R.T. 0.00 min  
 Lab File: VW013661.D  
 Acq: 23 Oct 2019 11:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.9  | 18.1  | 54.3  |
| 148     | 66.4  | 32.0  | 96.2  |







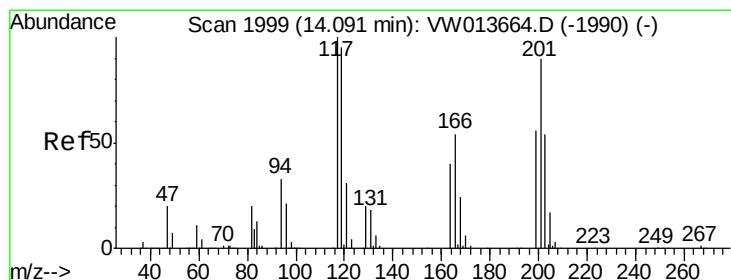
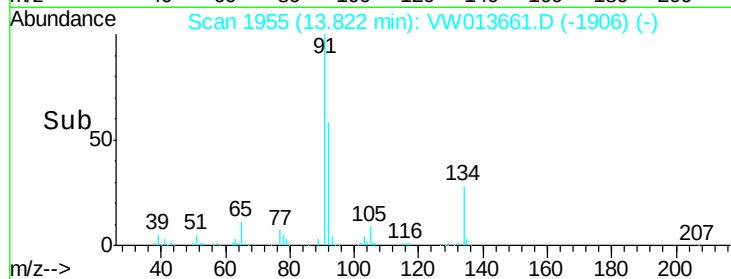
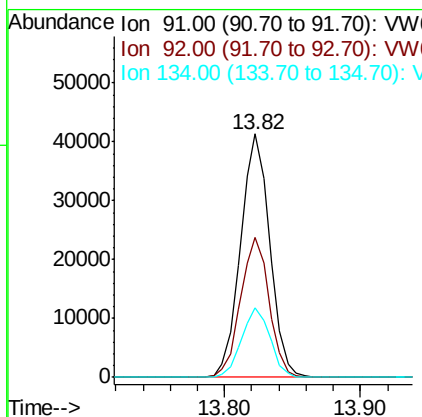
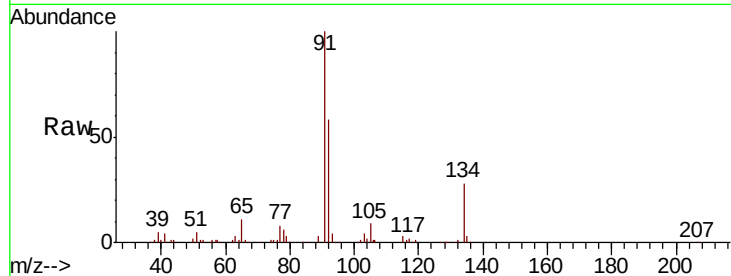
#89  
n-Butylbenzene  
Concen: 4.902 ug/l  
RT: 13.82 min Scan# 1955  
Delta R.T. 0.00 min  
Lab File: VW013661.D  
Acq: 23 Oct 2019 11:23

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 56.0  | 27.5  | 82.4  |
| 134     | 27.9  | 14.0  | 41.9  |

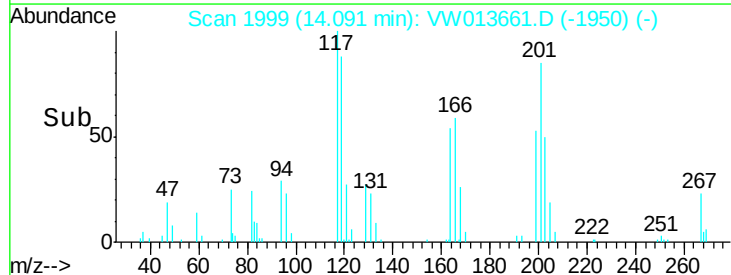
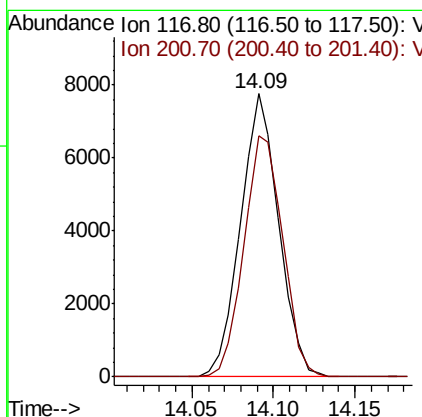
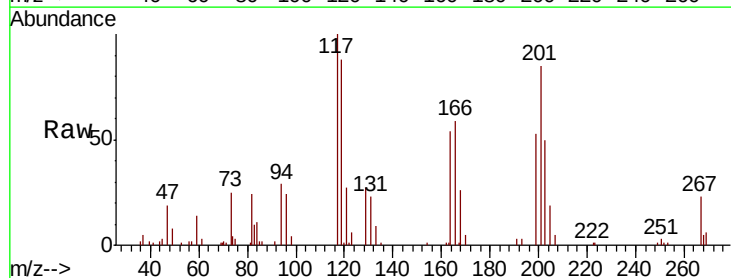
Manual Integrations  
APPROVED

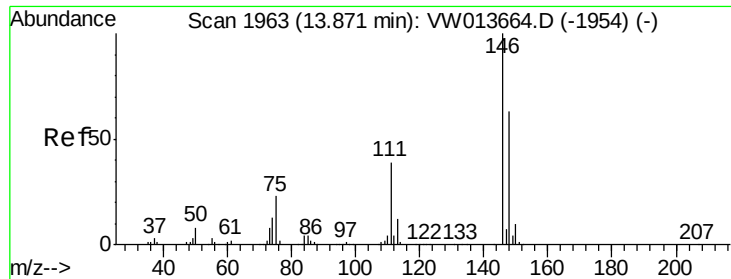
MMDadoda  
10/24/2019 1:27:44 PM



#90  
Hexachloroethane  
Concen: 5.223 ug/l  
RT: 14.09 min Scan# 1999  
Delta R.T. 0.00 min  
Lab File: VW013661.D  
Acq: 23 Oct 2019 11:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 86.9  | 46.1  | 138.2 |





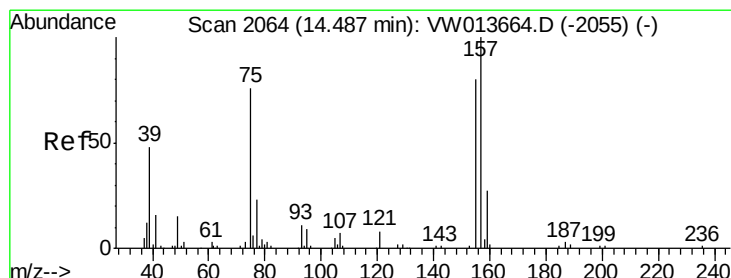
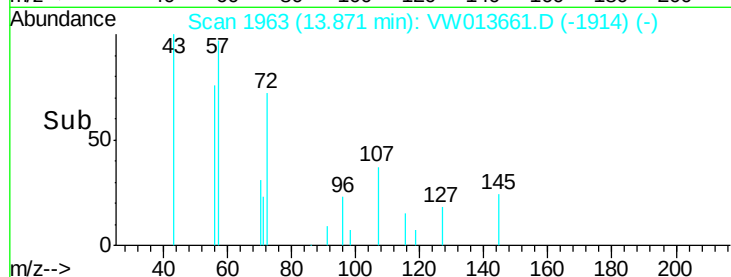
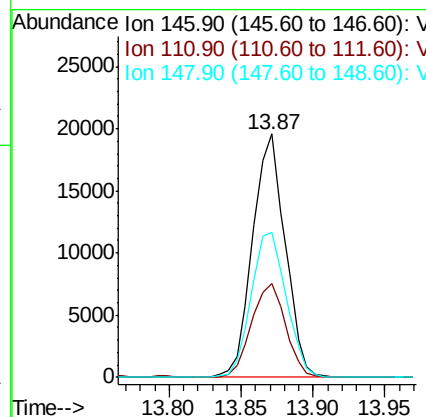
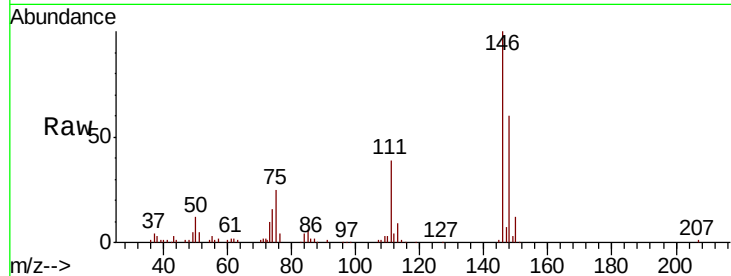
#91  
 1,2-Dichlorobenzene  
 Concen: 5.135 ug/l  
 RT: 13.87 min Scan# 1963  
 Delta R.T. 0.00 min  
 Lab File: VW013661.D  
 Acq: 23 Oct 2019 11:23

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.4  | 19.9  | 59.6  |
| 148     | 64.5  | 31.9  | 95.9  |

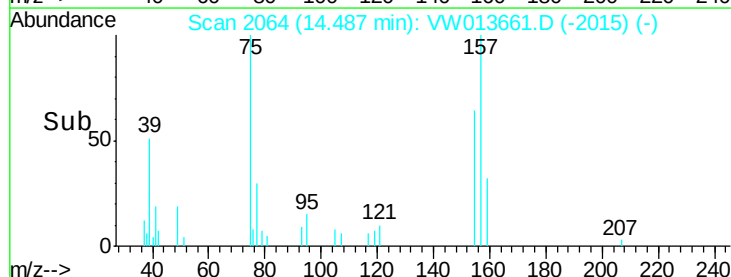
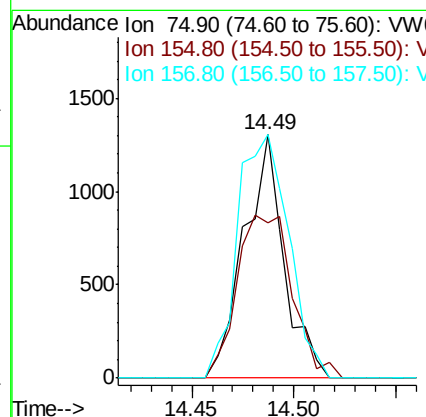
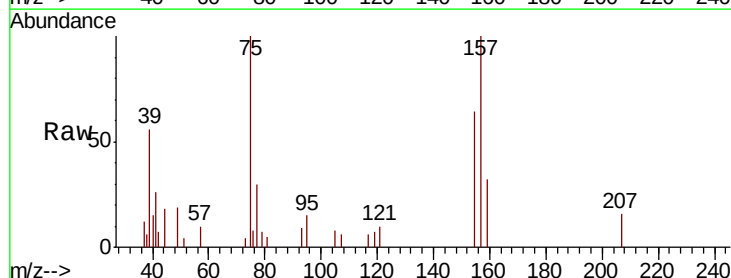
Manual Integrations  
 APPROVED

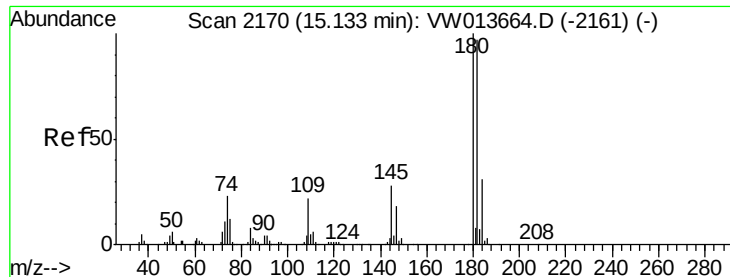
MMDadoda  
 10/24/2019 1:27:44 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 4.446 ug/l  
 RT: 14.49 min Scan# 2064  
 Delta R.T. 0.00 min  
 Lab File: VW013661.D  
 Acq: 23 Oct 2019 11:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 93.0  | 51.9  | 155.7 |
| 157     | 128.2 | 64.8  | 194.3 |





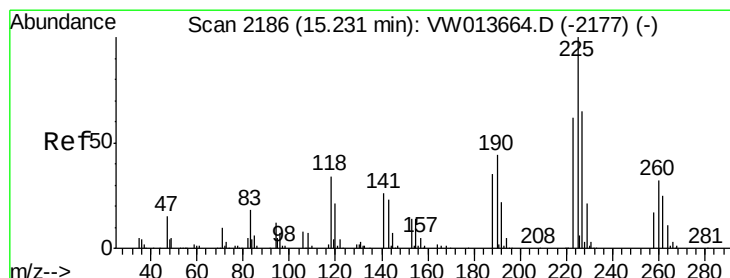
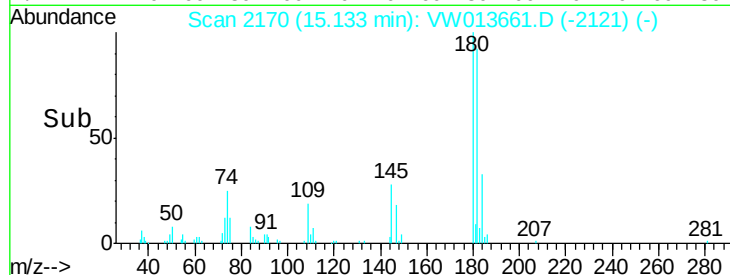
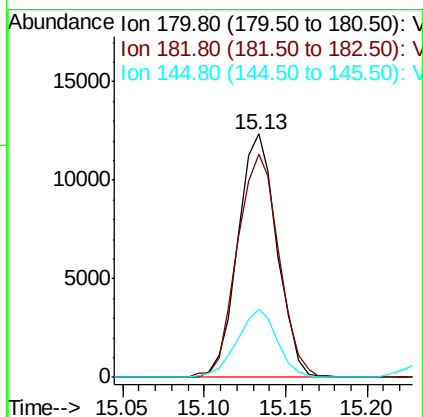
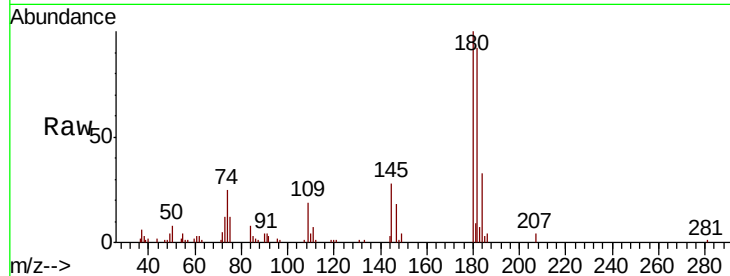
#93  
1,2,4-Trichlorobenzene  
Concen: 4.868 ug/l  
RT: 15.13 min Scan# 2170  
Delta R.T. 0.00 min  
Lab File: VW013661.D  
Acq: 23 Oct 2019 11:23

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 20516 |       |       |
| 182     | 97.7  | 47.4  | 142.2 |       |
| 145     | 28.7  | 14.1  | 42.3  |       |

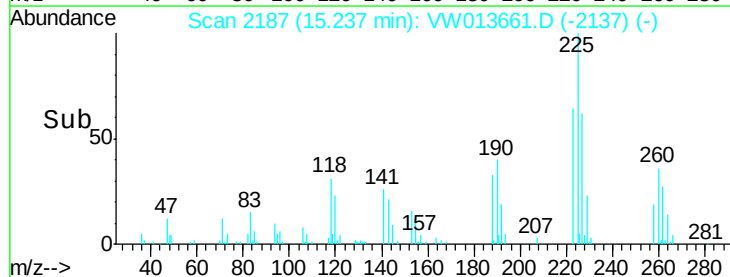
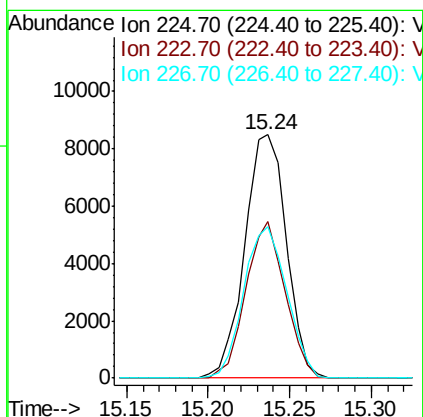
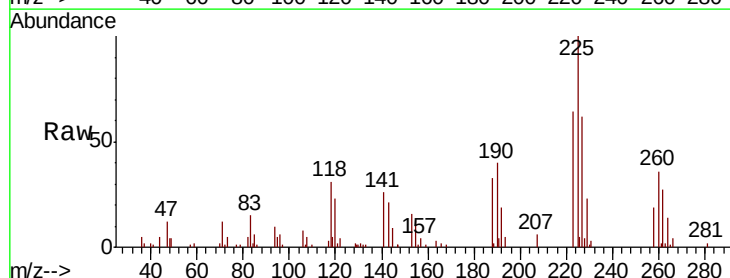
Manual Integrations  
APPROVED

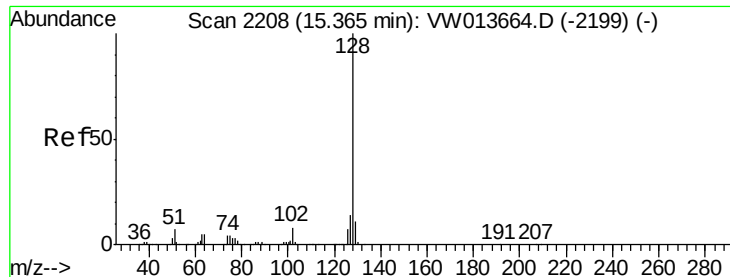
MMDadoda  
10/24/2019 1:27:44 PM



#94  
Hexachlorobutadiene  
Concen: 5.386 ug/l  
RT: 15.24 min Scan# 2187  
Delta R.T. 0.01 min  
Lab File: VW013661.D  
Acq: 23 Oct 2019 11:23

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 15080 |       |       |
| 223     | 60.6  | 31.9  | 95.9  |       |
| 227     | 64.4  | 32.5  | 97.4  |       |





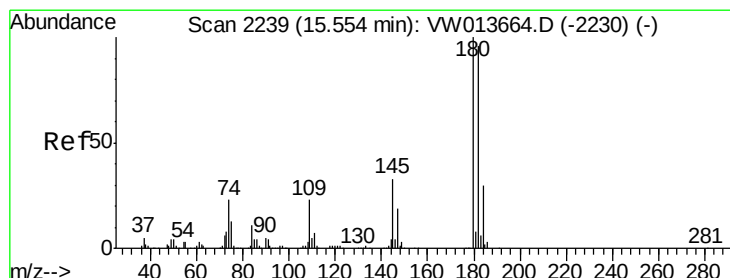
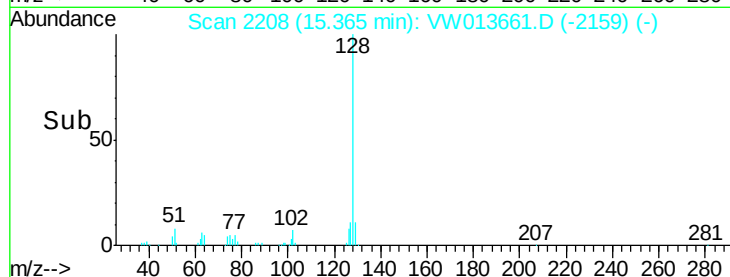
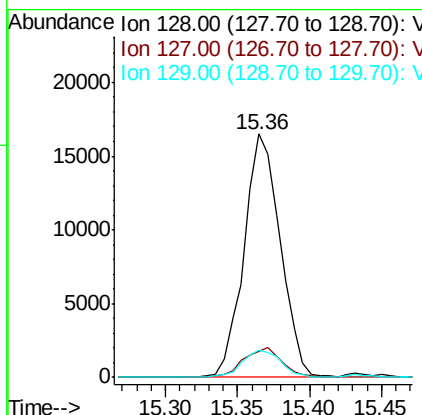
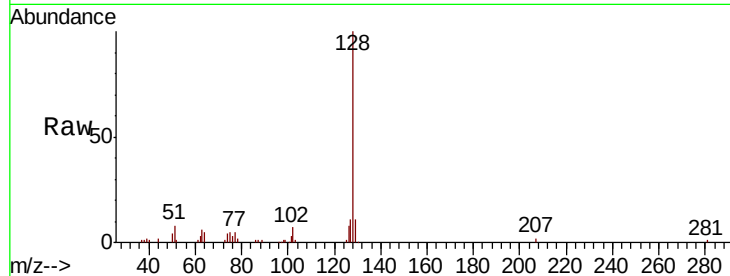
#95  
Naphthalene  
Concen: 3.984 ug/l  
RT: 15.36 min Scan# 2208  
Delta R.T. 0.00 min  
Lab File: VW013661.D  
Acq: 23 Oct 2019 11:23

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.0  | 10.6  | 15.8  |
| 129     | 11.7  | 8.7   | 13.1  |

Manual Integrations  
APPROVED

MMDadoda  
10/24/2019 1:27:44 PM



#96  
1,2,3-Trichlorobenzene  
Concen: 4.901 ug/l  
RT: 15.55 min Scan# 2239  
Delta R.T. 0.00 min  
Lab File: VW013661.D  
Acq: 23 Oct 2019 11:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 97.1  | 47.4  | 142.3 |
| 145     | 30.4  | 14.9  | 44.9  |

