

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012919\  
 Data File : VW008453.D  
 Acq On : 29 Jan 2019 16:39  
 Operator : SY/VA  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 1/30/2019 9:39:50 AM

Quant Time: Jan 30 01:10:12 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 25 11:07:41 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 403281   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 615138   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 551031   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 283799   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 201277   | 50.80 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.60% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 197465   | 54.90 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 109.80% |          |
| 50) Toluene-d8              | 10.32 | 98   | 778586   | 53.98 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 107.96% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 283199   | 51.08 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.16% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units | Qvalue |
|-------------------------------|------|------|----------|---------|-------|--------|
| 2) Dichlorodifluoromethane    | 2.01 | 85   | 105985   | 45.771  | ug/l  | 95     |
| 3) Chloromethane              | 2.21 | 50   | 160873   | 48.870  | ug/l  | 98     |
| 4) Vinyl Chloride             | 2.37 | 62   | 226359   | 54.017  | ug/l  | 97     |
| 5) Bromomethane               | 2.78 | 94   | 161431   | 59.726  | ug/l  | 93     |
| 6) Chloroethane               | 2.92 | 64   | 154622   | 60.334  | ug/l  | 99     |
| 7) Trichlorofluoromethane     | 3.25 | 101  | 188090   | 51.453  | ug/l  | 98     |
| 8) Diethyl Ether              | 3.67 | 74   | 107223   | 53.314  | ug/l  | 96     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101  | 203576   | 55.813  | ug/l  | 98     |
| 10) Methyl Iodide             | 4.26 | 142  | 318425   | 55.270  | ug/l  | 99     |
| 11) Tert butyl alcohol        | 5.17 | 59   | 80377    | 251.985 | ug/l  | 96     |
| 12) 1,1-Dichloroethene        | 4.03 | 96   | 197580   | 53.525  | ug/l  | 98     |
| 13) Acrolein                  | 3.89 | 56   | 56597    | 201.926 | ug/l  | 100    |
| 14) Allyl chloride            | 4.66 | 41   | 349203   | 49.819  | ug/l  | 98     |
| 15) Acrylonitrile             | 5.36 | 53   | 222033   | 255.671 | ug/l  | 99     |
| 16) Acetone                   | 4.12 | 43   | 250365   | 281.406 | ug/l  | 96     |
| 17) Carbon Disulfide          | 4.37 | 76   | 575023   | 48.775  | ug/l  | 98     |
| 18) Methyl Acetate            | 4.67 | 43   | 119168   | 50.218  | ug/l  | 95     |
| 19) Methyl tert-butyl Ether   | 5.42 | 73   | 324830   | 53.186  | ug/l  | 100    |
| 20) Methylene Chloride        | 4.90 | 84   | 208793   | 50.917  | ug/l  | 94     |
| 21) trans-1,2-Dichloroethene  | 5.42 | 96   | 220483   | 53.129  | ug/l  | 95     |
| 22) Diisopropyl ether         | 6.31 | 45   | 673348   | 50.687  | ug/l  | 98     |
| 23) Vinyl Acetate             | 6.25 | 43   | 1947089  | 248.219 | ug/l  | 99     |
| 24) 1,1-Dichloroethane        | 6.21 | 63   | 390528   | 51.935  | ug/l  | 98     |
| 25) 2-Butanone                | 7.17 | 43   | 322565   | 261.024 | ug/l  | 98     |
| 26) 2,2-Dichloropropane       | 7.16 | 77   | 267478   | 52.624  | ug/l  | 99     |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96   | 241386   | 53.371  | ug/l  | 98     |
| 28) Bromochloromethane        | 7.51 | 49   | 156144   | 45.210  | ug/l  | 95     |
| 29) Tetrahydrofuran           | 7.52 | 42   | 194055   | 247.801 | ug/l  | 97     |
| 30) Chloroform                | 7.67 | 83   | 398340   | 53.857  | ug/l  | 99     |
| 31) Cyclohexane               | 7.95 | 56   | 351591   | 45.218  | ug/l  | 97     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97   | 341373   | 53.437  | ug/l  | 99     |
| 36) 1,1-Dichloropropene       | 8.08 | 75   | 317221   | 54.593  | ug/l  | 98     |
| 37) Ethyl Acetate             | 7.25 | 43   | 135649   | 52.765  | ug/l  | 99     |
| 38) Carbon Tetrachloride      | 8.06 | 117  | 329186   | 56.298  | ug/l  | 99     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012919\  
 Data File : VW008453.D  
 Acq On : 29 Jan 2019 16:39  
 Operator : SY/VA  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 1/30/2019 9:39:50 AM

Quant Time: Jan 30 01:10:12 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 25 11:07:41 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units | Dev(Min) |
|--------------------------------|-------|------|----------|----------|-------|----------|
| 39) Methylcyclohexane          | 9.33  | 83   | 394252   | 51.649   | ug/l  | 98       |
| 40) Benzene                    | 8.32  | 78   | 869776   | 53.943   | ug/l  | 98       |
| 41) Methacrylonitrile          | 7.48  | 41   | 82074    | 53.918   | ug/l  | 96       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 248955   | 53.279   | ug/l  | 99       |
| 43) Isopropyl Acetate          | 8.42  | 43   | 279790   | 52.386   | ug/l  | 97       |
| 44) Trichloroethene            | 9.09  | 130  | 246090   | 56.126   | ug/l  | 99       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 218345   | 54.311   | ug/l  | 96       |
| 46) Dibromomethane             | 9.46  | 93   | 113589   | 54.933   | ug/l  | 97       |
| 47) Bromodichloromethane       | 9.64  | 83   | 301277   | 55.085   | ug/l  | 99       |
| 48) Methyl methacrylate        | 9.43  | 41   | 133027   | 50.939   | ug/l  | 98       |
| 49) 1,4-Dioxane                | 9.45  | 88   | 38267    | 1094.846 | ug/l  | 97       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 687601   | 260.595  | ug/l  | 99       |
| 52) Toluene                    | 10.39 | 92   | 571805   | 53.723   | ug/l  | 100      |
| 53) t-1,3-Dichloropropene      | 10.60 | 75   | 308995   | 53.094   | ug/l  | 100      |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 357500   | 54.130   | ug/l  | 98       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 157371   | 54.869   | ug/l  | 98       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 211634   | 52.660   | ug/l  | 97       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 274867   | 53.494   | ug/l  | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.92  | 63   | 508320   | 260.322  | ug/l  | 97       |
| 59) 2-Hexanone                 | 10.97 | 43   | 507487   | 272.443  | ug/l  | 100      |
| 60) Dibromochloromethane       | 11.13 | 129  | 204550   | 55.497   | ug/l  | 99       |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 153635   | 54.023   | ug/l  | 99       |
| 64) Tetrachloroethene          | 10.86 | 164  | 206111   | 55.245   | ug/l  | 98       |
| 65) Chlorobenzene              | 11.66 | 112  | 620324   | 55.147   | ug/l  | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 226380   | 56.250   | ug/l  | 99       |
| 67) Ethyl Benzene              | 11.73 | 91   | 1112802  | 53.819   | ug/l  | 99       |
| 68) m/p-Xylenes                | 11.84 | 106  | 867618   | 108.149  | ug/l  | 98       |
| 69) o-Xylene                   | 12.16 | 106  | 414175   | 54.336   | ug/l  | 97       |
| 70) Styrene                    | 12.18 | 104  | 676549   | 53.734   | ug/l  | 98       |
| 71) Bromoform                  | 12.35 | 173  | 125743   | 55.532   | ug/l  | 98       |
| 73) Isopropylbenzene           | 12.47 | 105  | 1158509  | 54.756   | ug/l  | 100      |
| 74) N-amyl acetate             | 12.27 | 43   | 276193   | 50.672   | ug/l  | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 179155   | 53.484   | ug/l  | 98       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 129881m  | 52.638   | ug/l  |          |
| 77) Bromobenzene               | 12.75 | 156  | 254330   | 55.042   | ug/l  | 96       |
| 78) n-propylbenzene            | 12.80 | 91   | 1375816  | 54.141   | ug/l  | 99       |
| 79) 2-Chlorotoluene            | 12.90 | 91   | 767268   | 53.506   | ug/l  | 98       |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 962057   | 54.402   | ug/l  | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.51 | 75   | 64481    | 51.614   | ug/l  | 98       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 811251   | 53.137   | ug/l  | 98       |
| 83) tert-Butylbenzene          | 13.21 | 119  | 843276   | 53.586   | ug/l  | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.26 | 105  | 976808   | 54.343   | ug/l  | 100      |
| 85) sec-Butylbenzene           | 13.39 | 105  | 1229864  | 54.722   | ug/l  | 99       |
| 86) p-Isopropyltoluene         | 13.50 | 119  | 1098510  | 55.800   | ug/l  | 99       |
| 87) 1,3-Dichlorobenzene        | 13.50 | 146  | 522914   | 56.036   | ug/l  | 99       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 510431   | 55.039   | ug/l  | 99       |
| 89) n-Butylbenzene             | 13.83 | 91   | 1044357  | 54.029   | ug/l  | 99       |
| 90) Hexachloroethane           | 14.10 | 117  | 208626   | 54.190   | ug/l  | 98       |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 458781   | 55.563   | ug/l  | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 31931    | 50.240   | ug/l  | 98       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012919\  
Data File : VW008453.D  
Acq On : 29 Jan 2019 16:39  
Operator : SY/VA  
Sample : VSTDCCC050  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

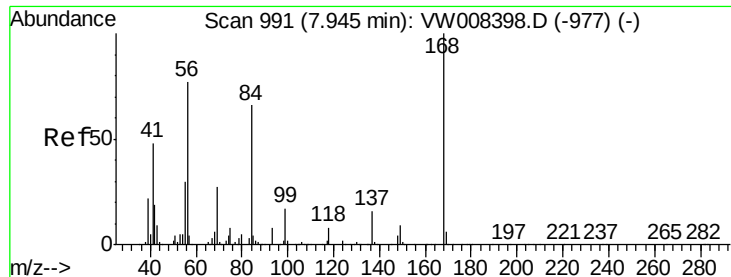
MMDadoda  
1/30/2019 9:39:50 AM

Quant Time: Jan 30 01:10:12 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jan 25 11:07:41 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.14 | 180  | 330049   | 56.014 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 199659   | 56.225 | ug/l  | 98       |
| 95) Naphthalene            | 15.37 | 128  | 570004   | 55.094 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.56 | 180  | 276028   | 55.225 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 403281

Ion Ratio Lower Upper

168 100

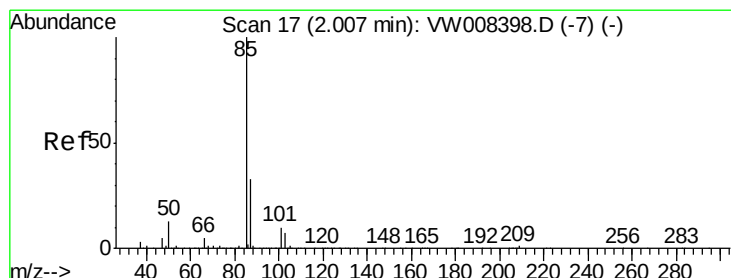
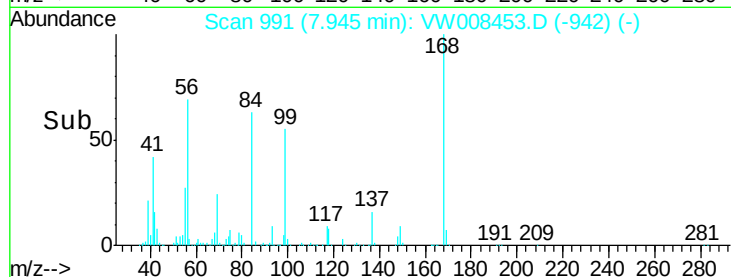
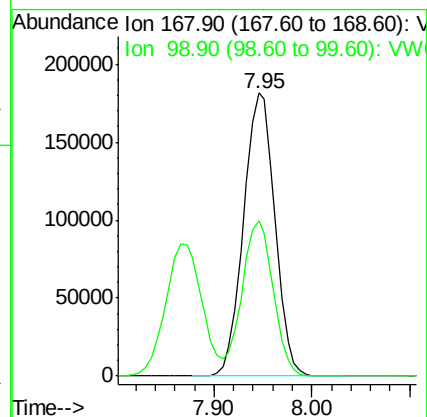
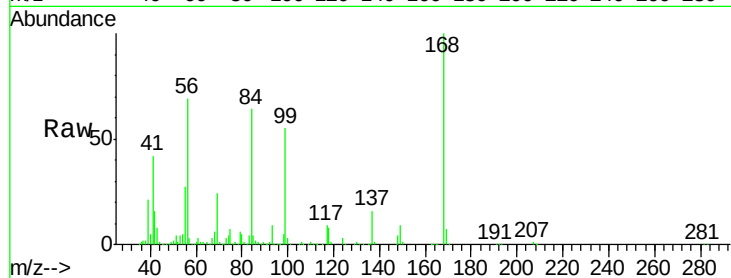
99 54.8 45.5 68.3

Manual Integrations

APPROVED

MMDadoda

1/30/2019 9:39:50 AM



#2

Dichlorodifluoromethane

Concen: 45.771 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008453.D

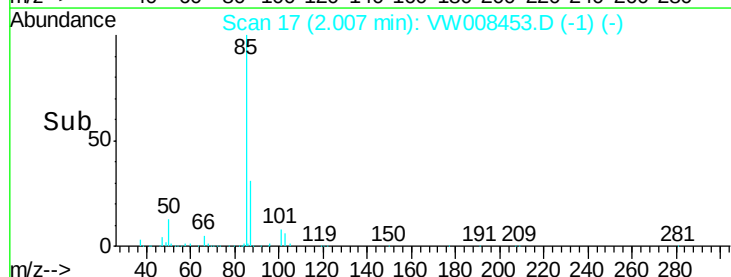
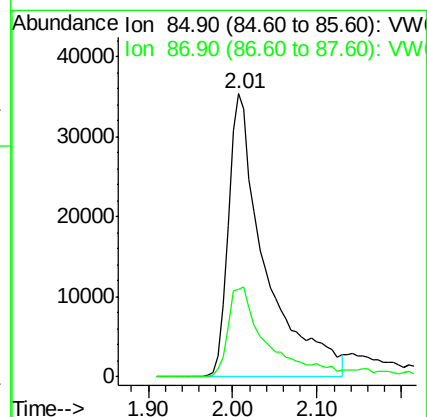
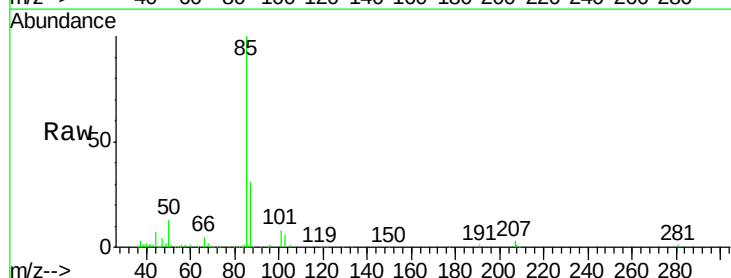
Acq: 29 Jan 2019 16:39

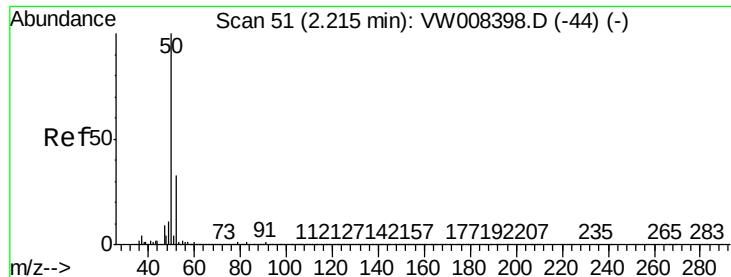
Tgt Ion: 85 Resp: 105985

Ion Ratio Lower Upper

85 100

87 30.8 16.7 50.1





#3

Chloromethane

Concen: 48.870 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 160873

Ion Ratio Lower Upper

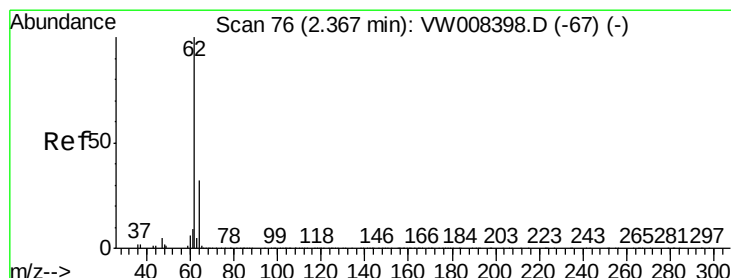
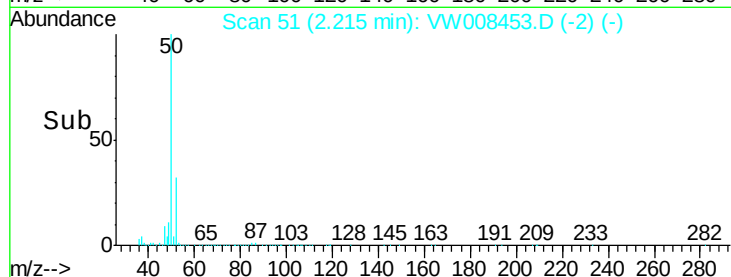
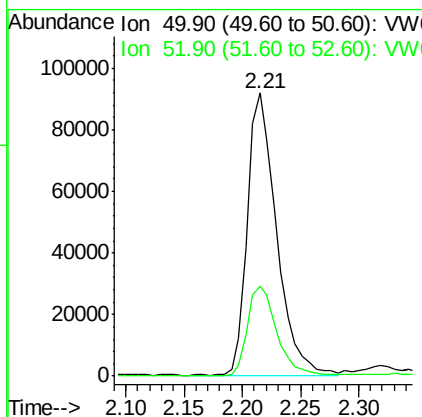
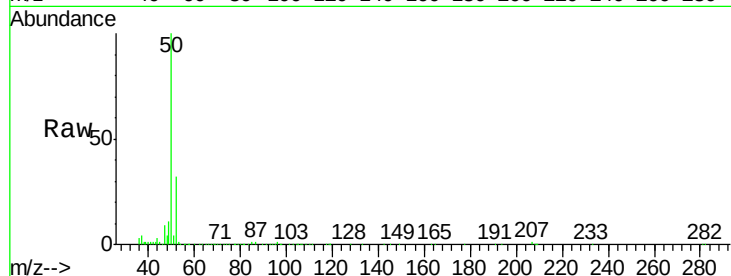
50 100

52 32.0 26.3 39.5

Manual Integrations  
APPROVED

MMDadoda

1/30/2019 9:39:50 AM



#4

Vinyl Chloride

Concen: 54.017 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW008453.D

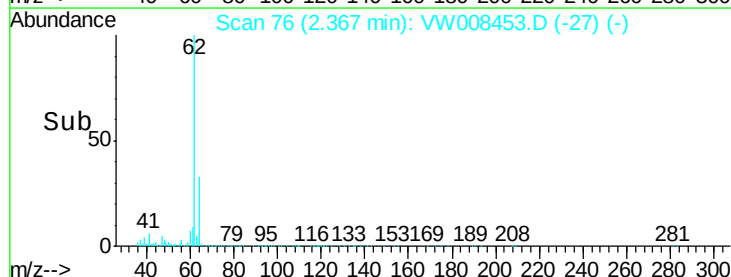
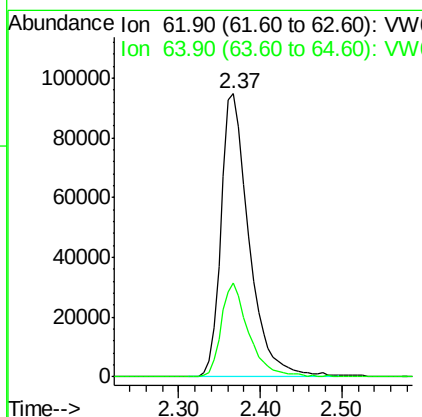
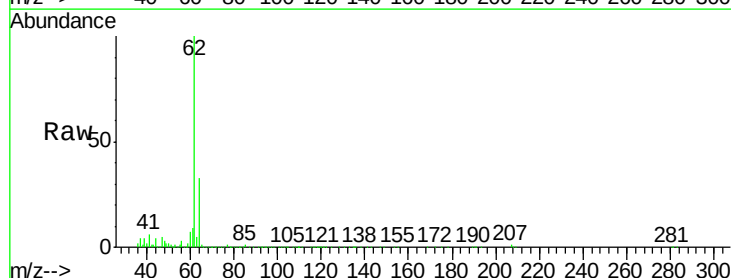
Acq: 29 Jan 2019 16:39

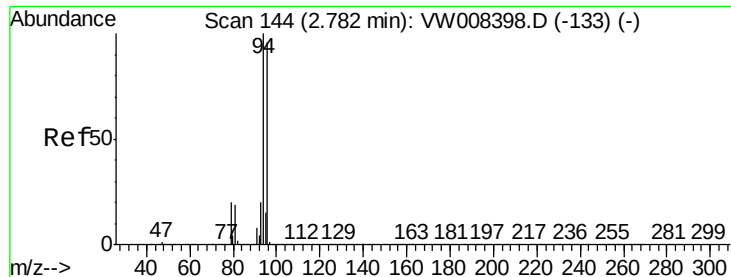
Tgt Ion: 62 Resp: 226359

Ion Ratio Lower Upper

62 100

64 33.4 25.5 38.3





#5

Bromomethane

Concen: 59.726 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 161431

Ion Ratio Lower Upper

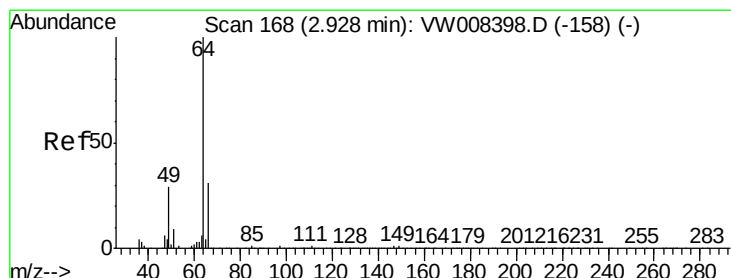
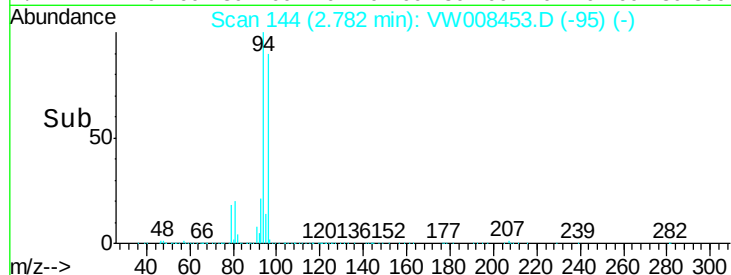
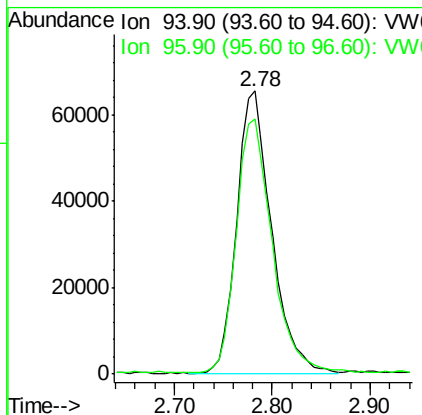
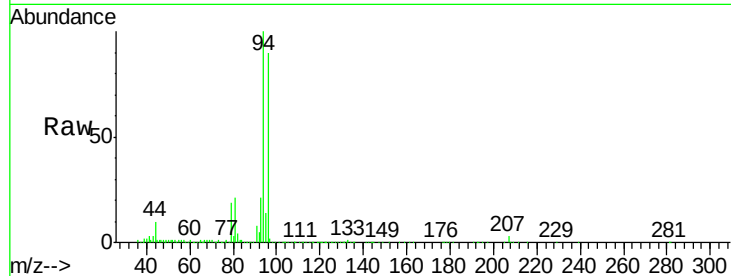
94 100

96 89.9 77.2 115.8

Manual Integrations  
APPROVED

MMDadoda

1/30/2019 9:39:50 AM



#6

Chloroethane

Concen: 60.334 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008453.D

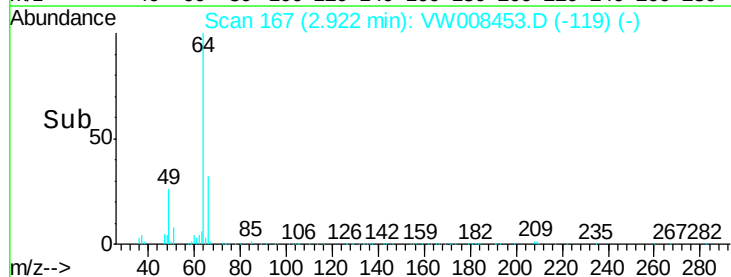
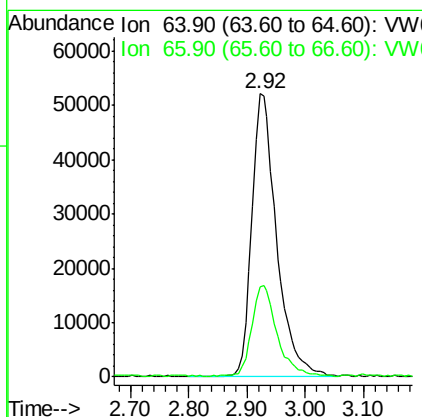
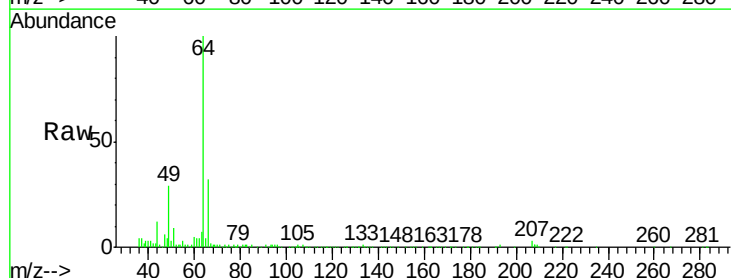
Acq: 29 Jan 2019 16:39

Tgt Ion: 64 Resp: 154622

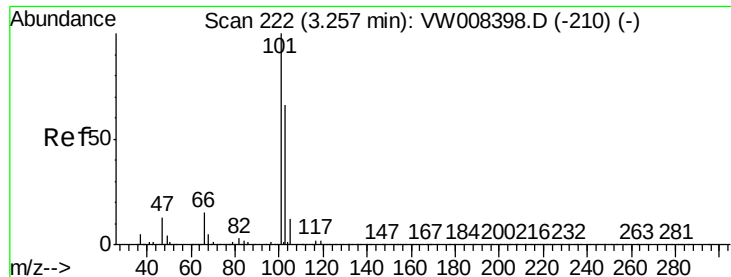
Ion Ratio Lower Upper

64 100

66 31.7 24.9 37.3







#7

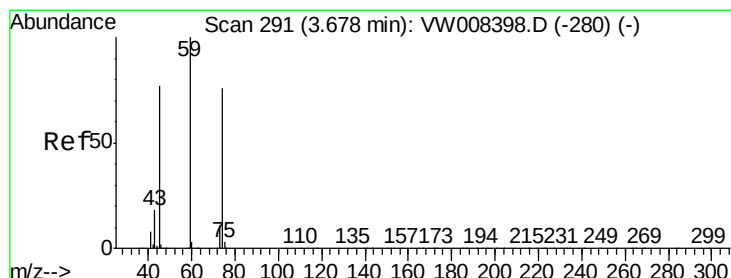
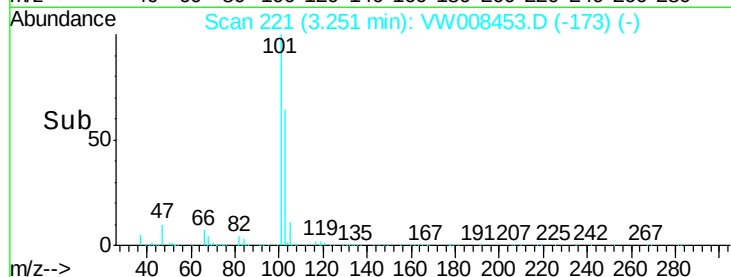
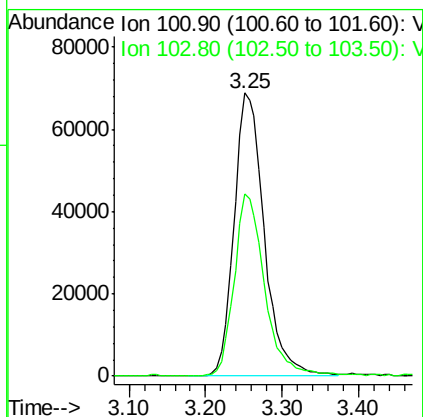
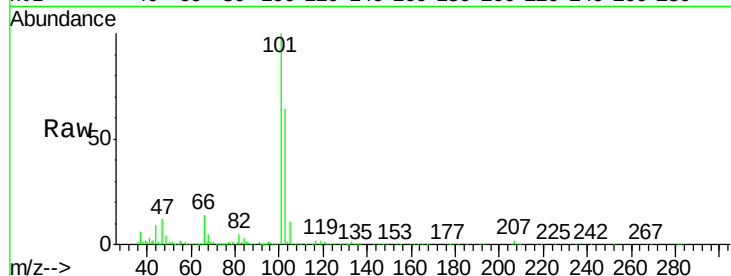
Trichlorofluoromethane  
Concen: 51.453 ug/l  
RT: 3.25 min Scan# 221  
Delta R.T. -0.01 min  
Lab File: VW008453.D  
Acq: 29 Jan 2019 16:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 188090 |       |       |
| 103     | 64.1  | 52.5   | 78.7  |       |

Manual Integrations  
APPROVED

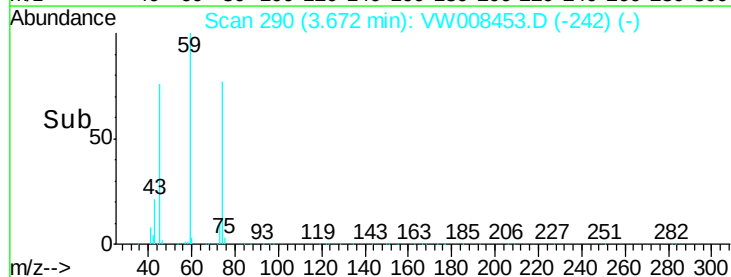
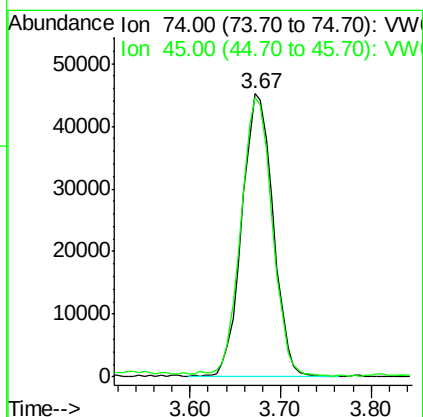
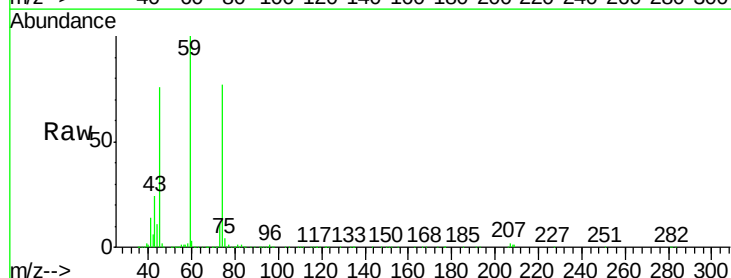
MMDadoda  
1/30/2019 9:39:50 AM



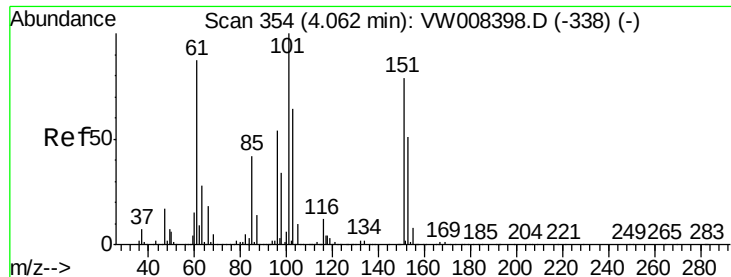
#8

Diethyl Ether  
Concen: 53.314 ug/l  
RT: 3.67 min Scan# 290  
Delta R.T. -0.01 min  
Lab File: VW008453.D  
Acq: 29 Jan 2019 16:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 74      | 100   | 107223 |       |       |
| 45      | 99.5  | 51.7   | 155.2 |       |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.813 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Instrument :

MSVOA\_W

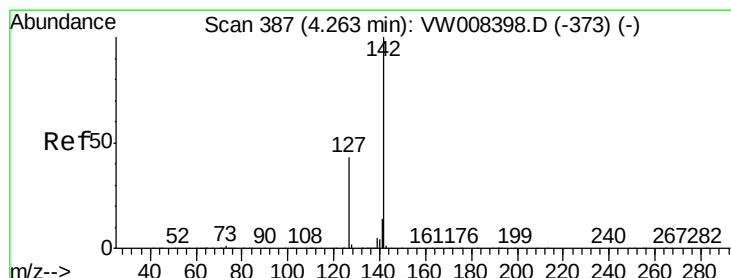
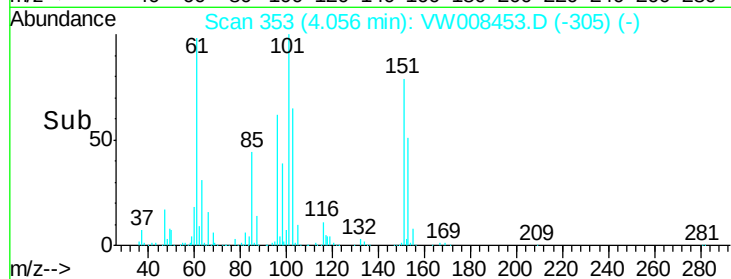
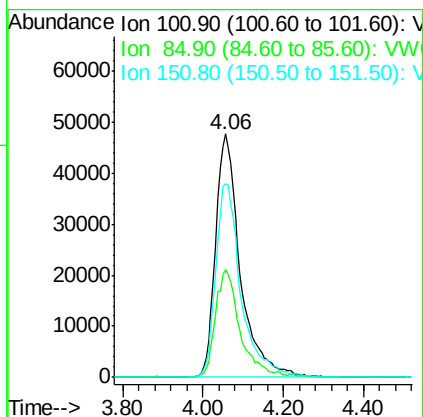
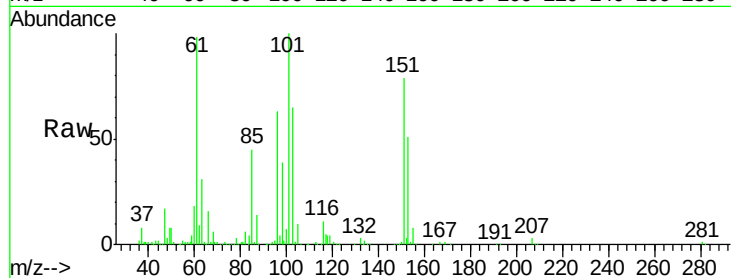
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 203576 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 43.5  | 35.0  | 52.4   |
| 151       | 81.5  | 62.6  | 94.0   |

Manual Integrations  
APPROVED

MMDadoda  
1/30/2019 9:39:50 AM



#10

Methyl Iodide

Concen: 55.270 ug/l

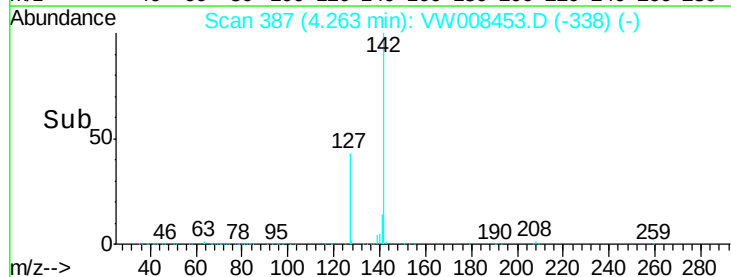
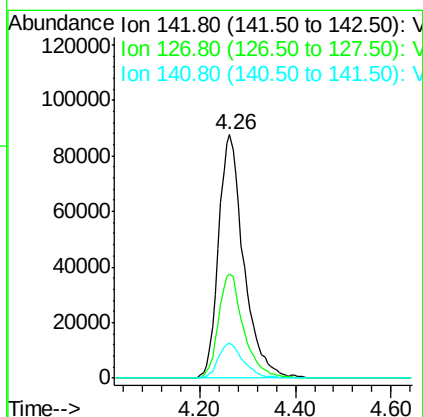
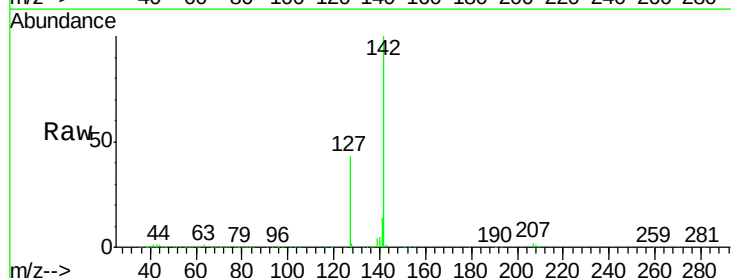
RT: 4.26 min Scan# 387

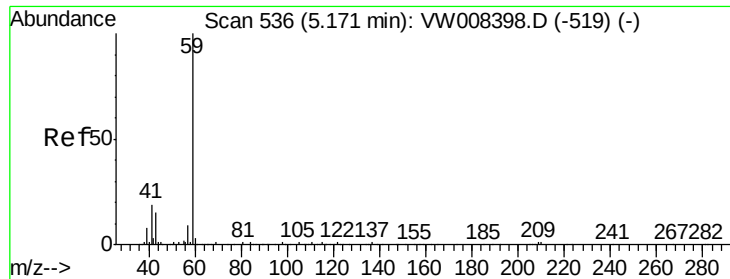
Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 318425 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 42.7  | 34.6  | 52.0   |
| 141       | 14.6  | 11.4  | 17.2   |





#11

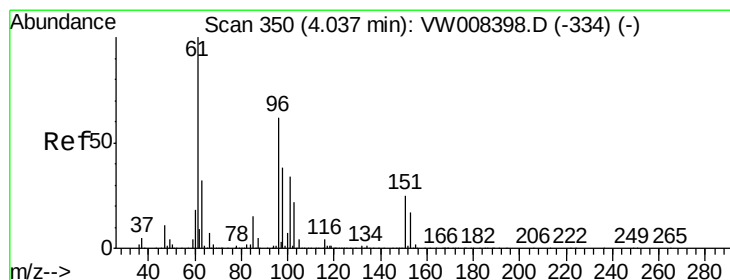
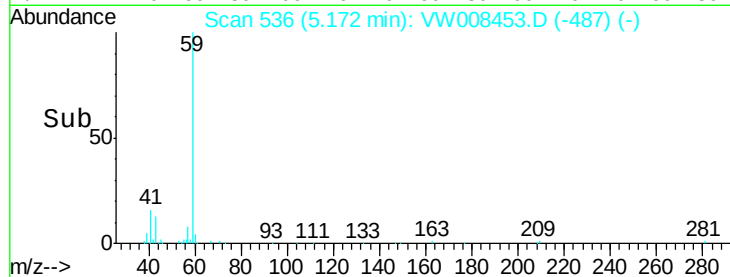
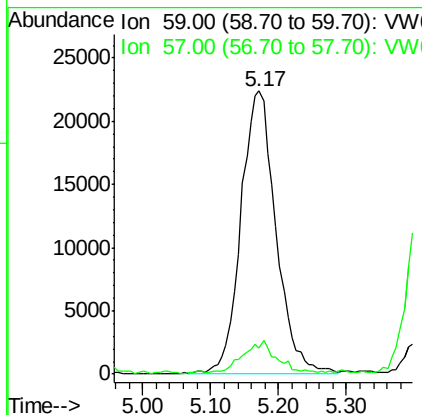
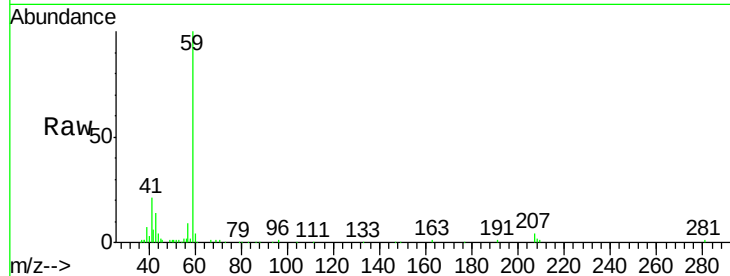
Tert butyl alcohol  
 Concen: 251.985 ug/l  
 RT: 5.17 min Scan# 536  
 Delta R.T. 0.00 min  
 Lab File: VW008453.D  
 Acq: 29 Jan 2019 16:39

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion   | 59   | Resp  | 80377 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 57        | 10.2 | 9.3   | 13.9  |

Manual Integrations  
 APPROVED

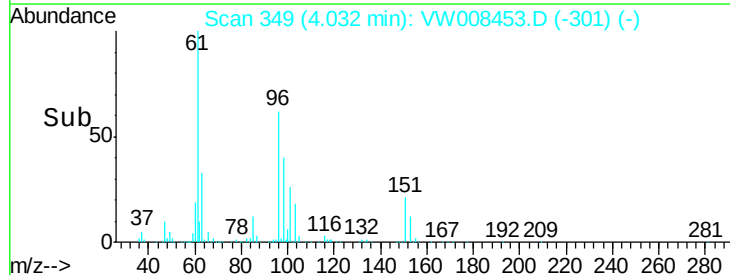
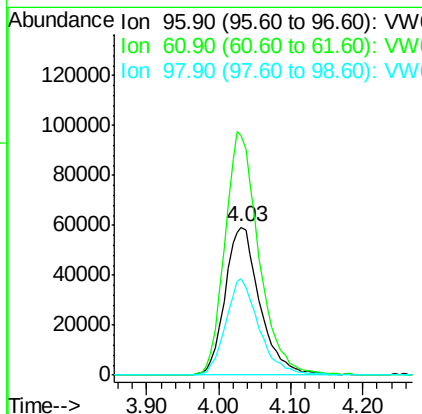
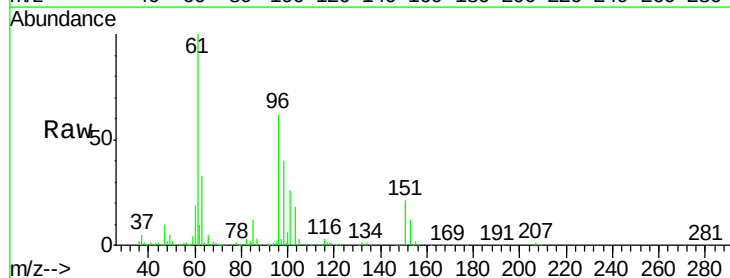
MMDadoda  
 1/30/2019 9:39:50 AM

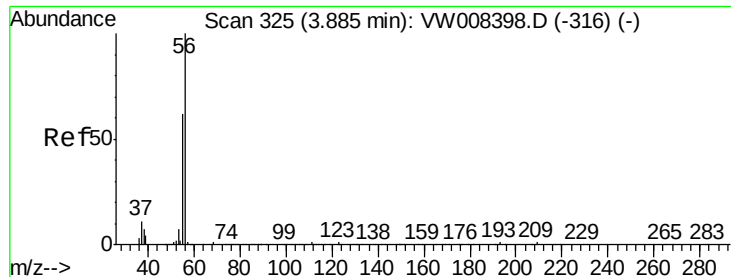


#12

1,1-Dichloroethene  
 Concen: 53.525 ug/l  
 RT: 4.03 min Scan# 349  
 Delta R.T. -0.01 min  
 Lab File: VW008453.D  
 Acq: 29 Jan 2019 16:39

| Tgt Ion   | 96    | Resp  | 197580 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 61        | 161.7 | 129.5 | 194.3  |
| 98        | 65.5  | 48.6  | 73.0   |





#13

Acrolein

Concen: 201.926 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 56597

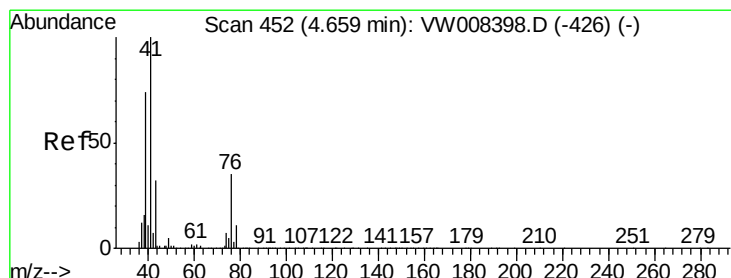
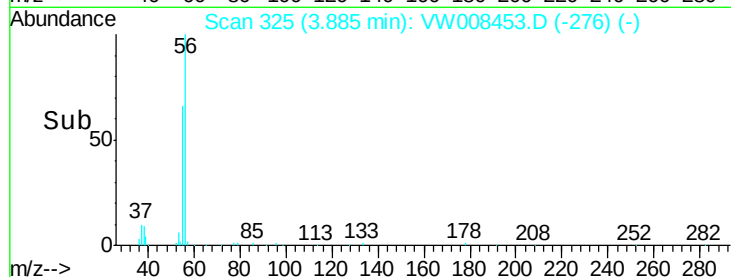
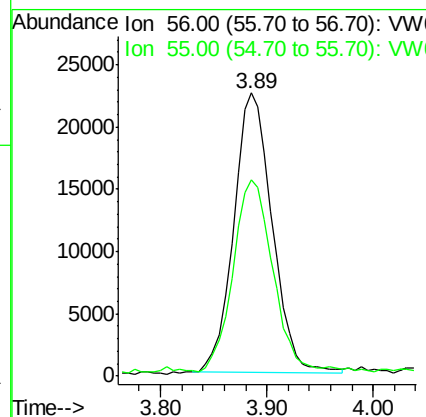
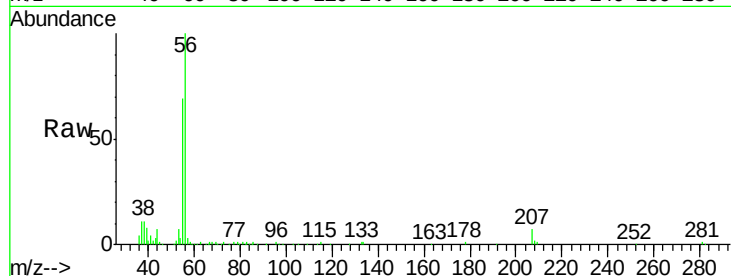
Ion Ratio Lower Upper

56 100

55 70.8 56.7 85.1

Manual Integrations  
APPROVED

MMDadoda  
1/30/2019 9:39:50 AM



#14

Allyl chloride

Concen: 49.819 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

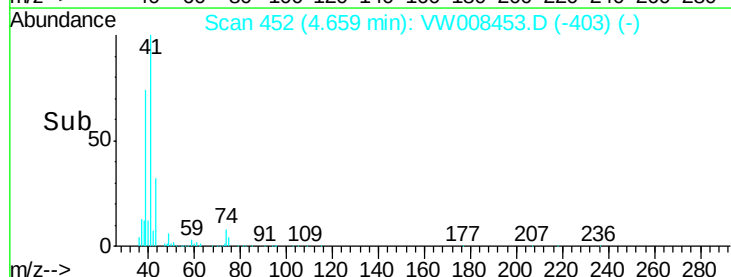
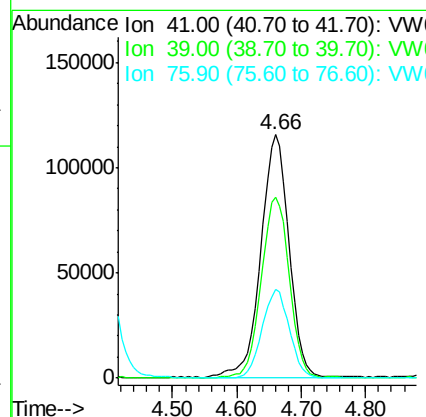
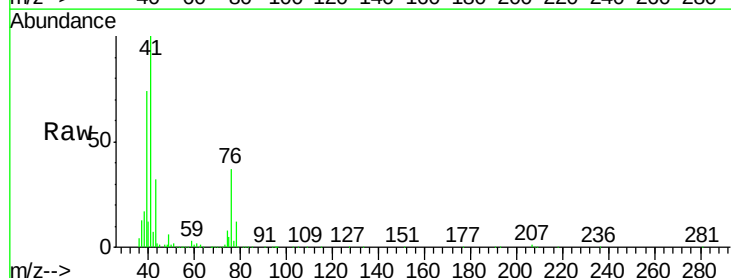
Tgt Ion: 41 Resp: 349203

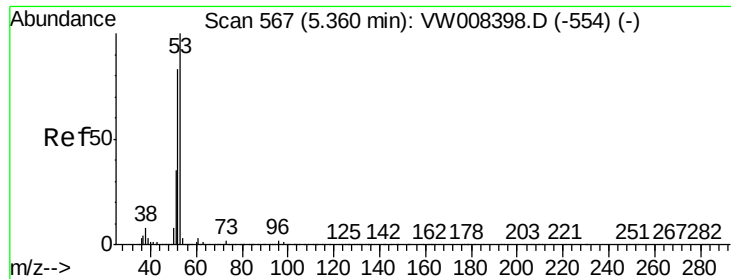
Ion Ratio Lower Upper

41 100

39 73.3 57.7 86.5

76 35.1 26.9 40.3





#15

Acrylonitrile

Concen: 255.671 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Instrument :

MSVOA\_W

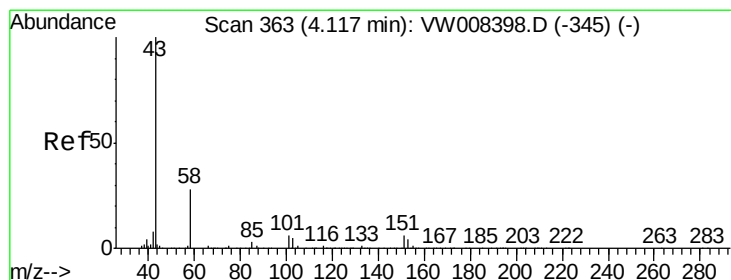
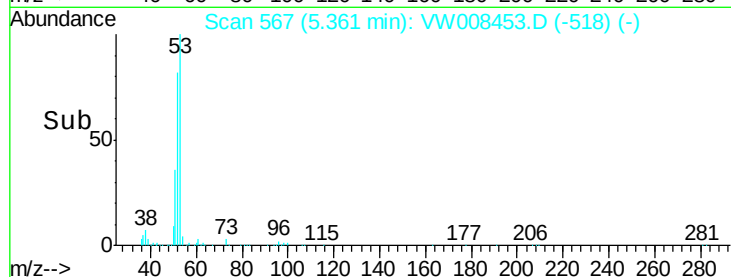
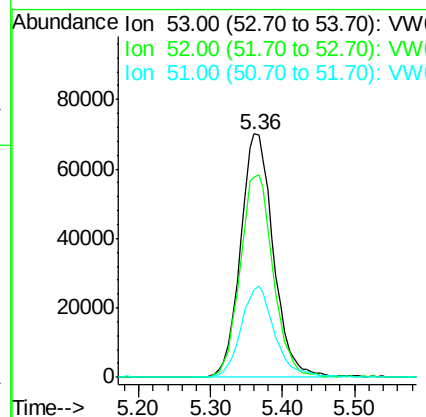
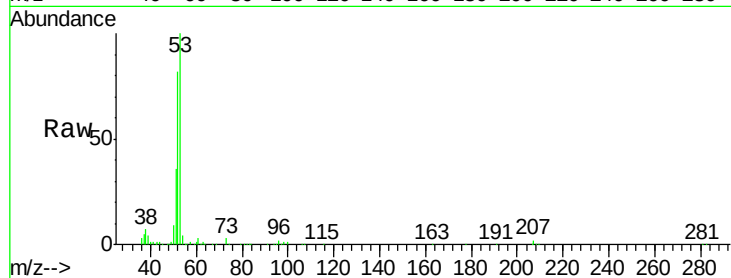
ClientSampleId :

VSTDCCC050EC

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 53   | Resp: | 222033 |
| Ion Ratio |      | Lower | Upper  |
| 53        | 100  |       |        |
| 52        | 83.3 | 67.0  | 100.4  |
| 51        | 38.3 | 29.8  | 44.8   |

Manual Integrations  
APPROVED

MMDadoda  
1/30/2019 9:39:50 AM



#16

Acetone

Concen: 281.406 ug/l

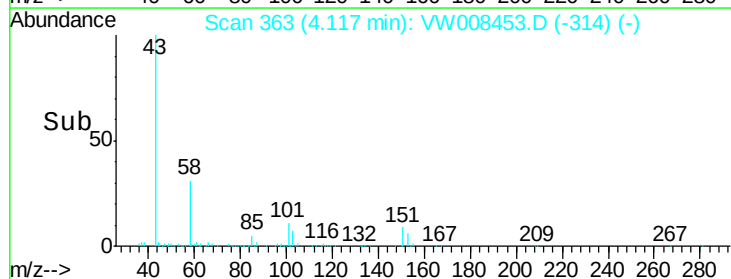
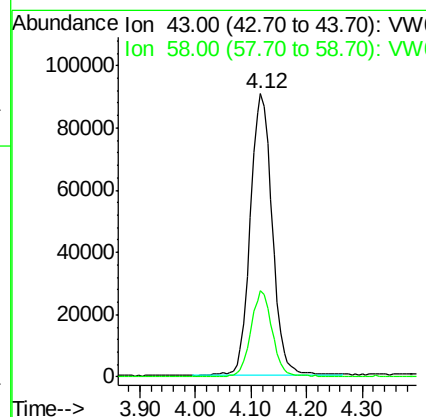
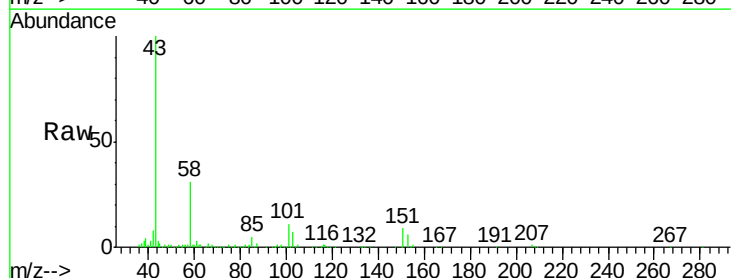
RT: 4.12 min Scan# 363

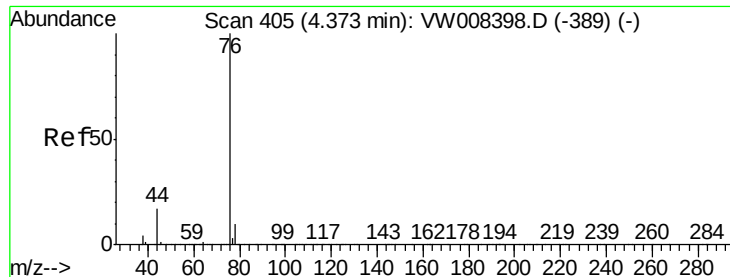
Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 43   | Resp: | 250365 |
| Ion Ratio |      | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 30.7 | 22.6  | 34.0   |





#17

Carbon Disulfide

Concen: 48.775 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 575023

Ion Ratio Lower Upper

76 100

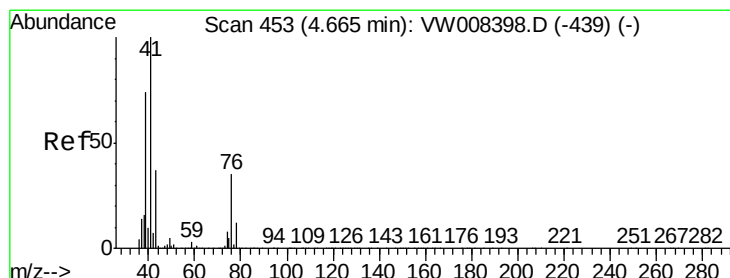
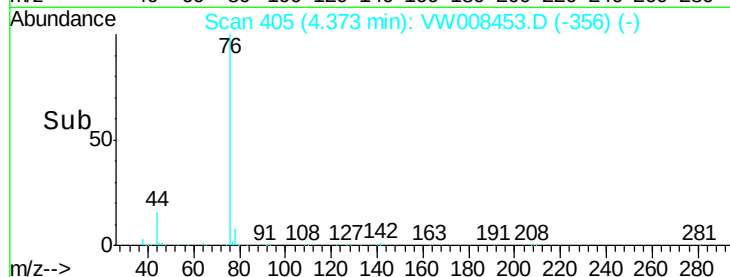
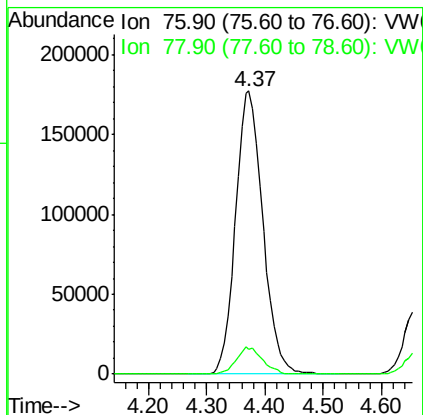
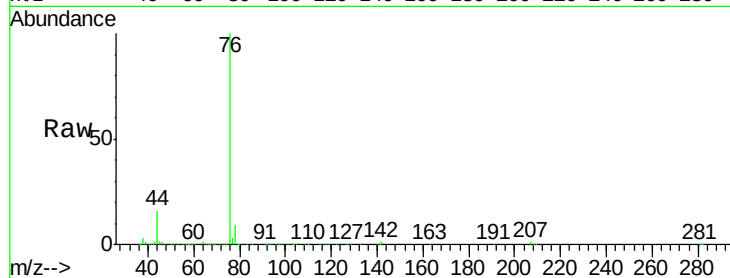
78 8.8 7.7 11.5

Manual Integrations

APPROVED

MMDadoda

1/30/2019 9:39:50 AM



#18

Methyl Acetate

Concen: 50.218 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW008453.D

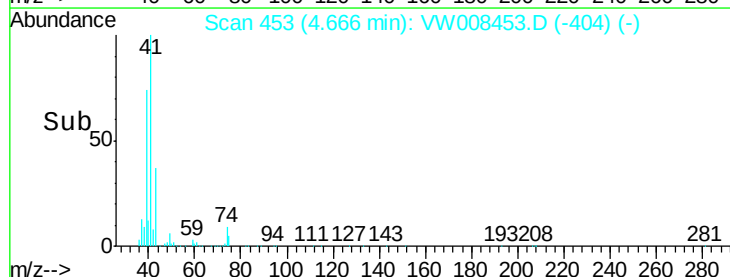
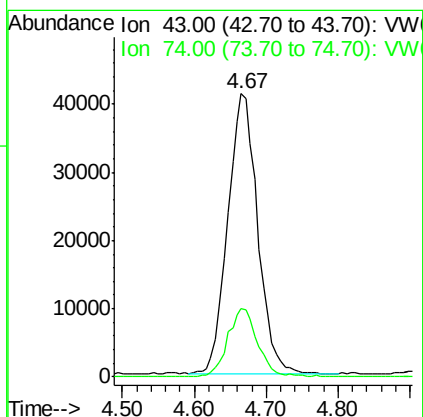
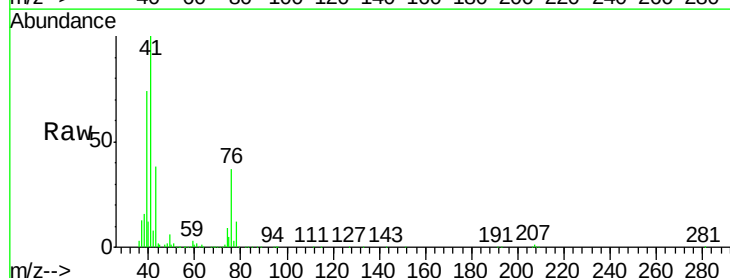
Acq: 29 Jan 2019 16:39

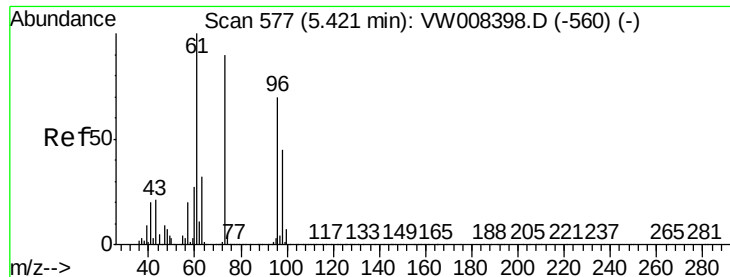
Tgt Ion: 43 Resp: 119168

Ion Ratio Lower Upper

43 100

74 24.3 17.5 26.3





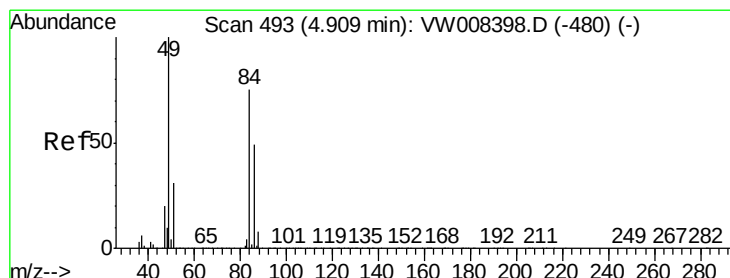
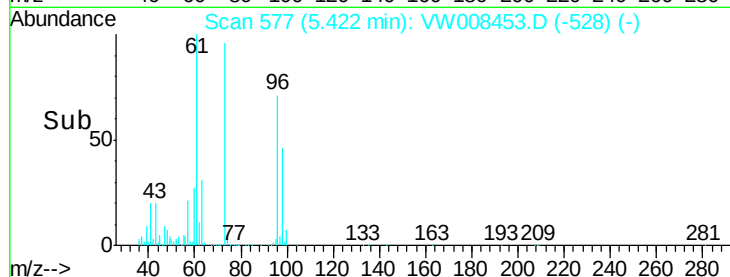
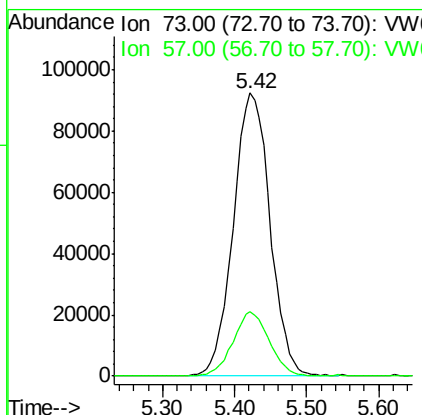
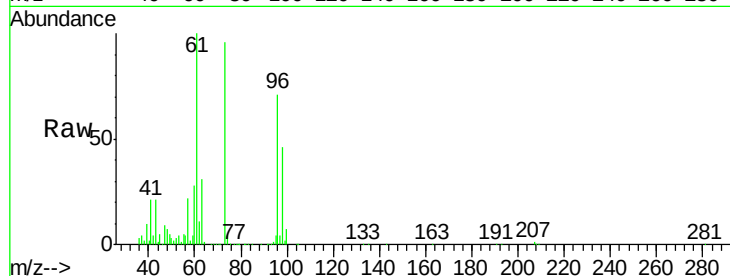
#19  
Methyl tert-butyl Ether  
Concen: 53.186 ug/l  
RT: 5.42 min Scan# 577  
Delta R.T. 0.00 min  
Lab File: VW008453.D  
Acq: 29 Jan 2019 16:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 73 Resp: 324830  
Ion Ratio Lower Upper  
73 100  
57 22.5 18.0 27.0

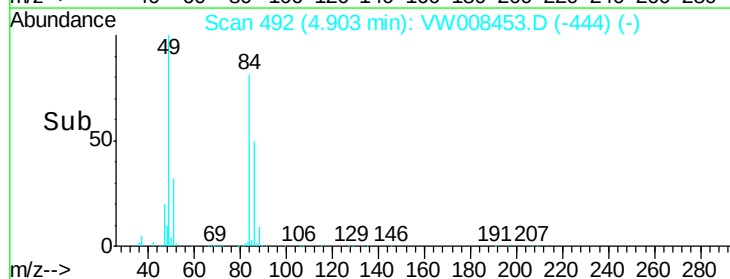
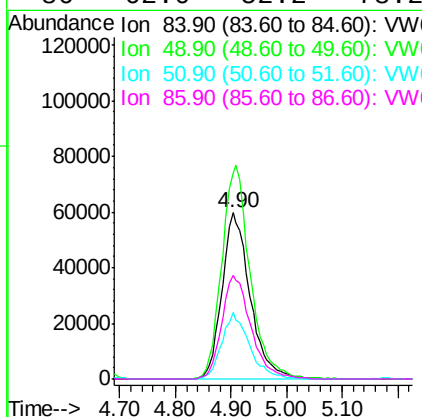
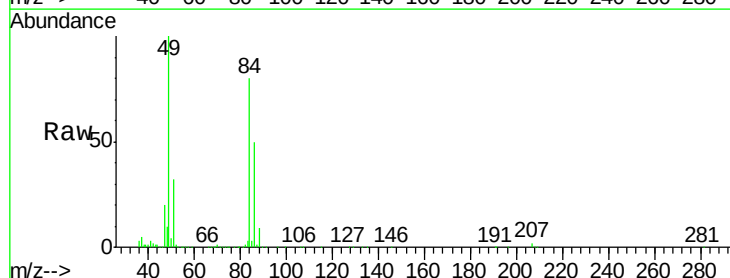
Manual Integrations  
APPROVED

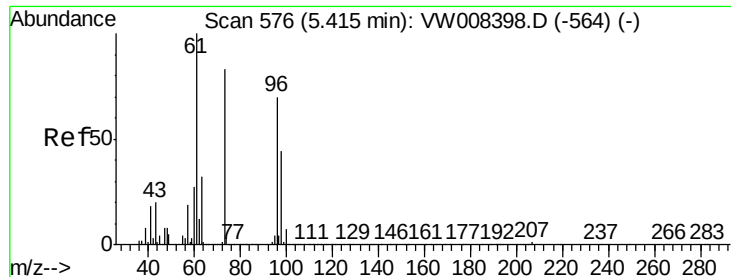
MMDadoda  
1/30/2019 9:39:50 AM



#20  
Methylene Chloride  
Concen: 50.917 ug/l  
RT: 4.90 min Scan# 492  
Delta R.T. -0.01 min  
Lab File: VW008453.D  
Acq: 29 Jan 2019 16:39

Tgt Ion: 84 Resp: 208793  
Ion Ratio Lower Upper  
84 100  
49 124.3 106.8 160.2  
51 39.7 32.9 49.3  
86 62.0 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 53.129 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Instrument :

MSVOA\_W

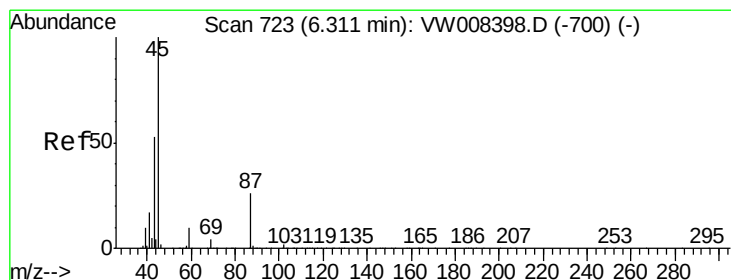
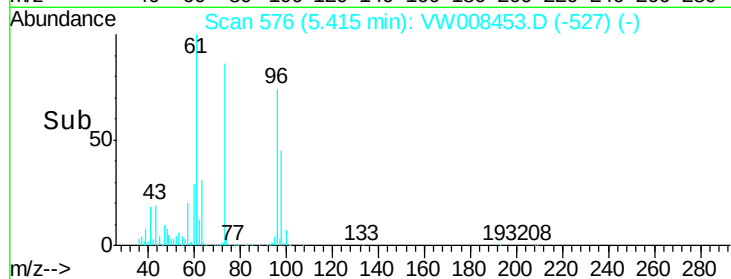
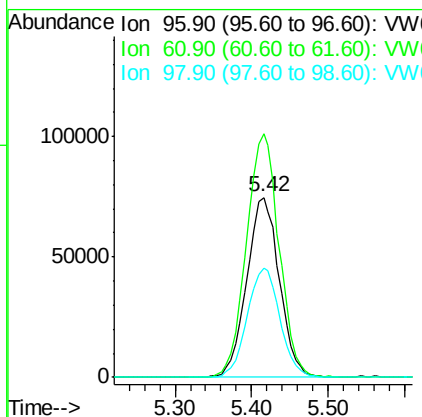
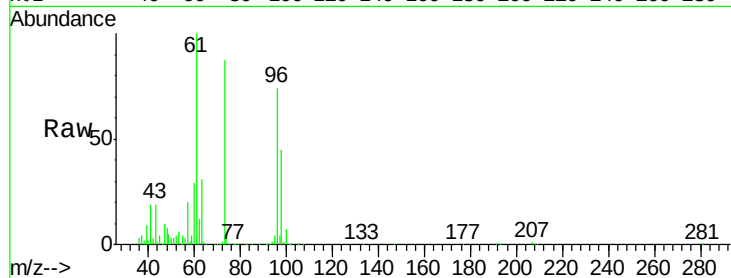
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 220483 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 135.5 | 114.4 | 171.6  |
| 98       | 60.4  | 50.6  | 75.8   |

Manual Integrations  
APPROVED

MMDadoda  
1/30/2019 9:39:50 AM



#22

Diisopropyl ether

Concen: 50.687 ug/l

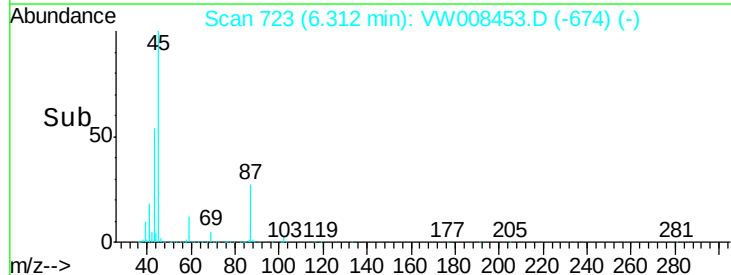
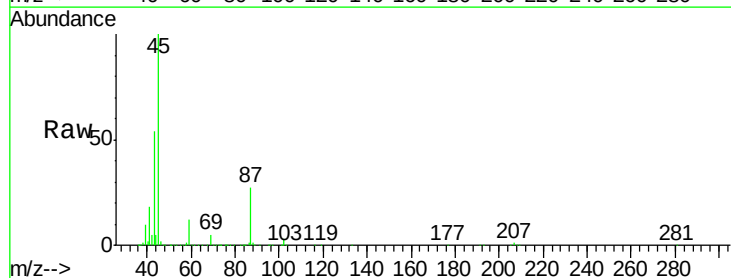
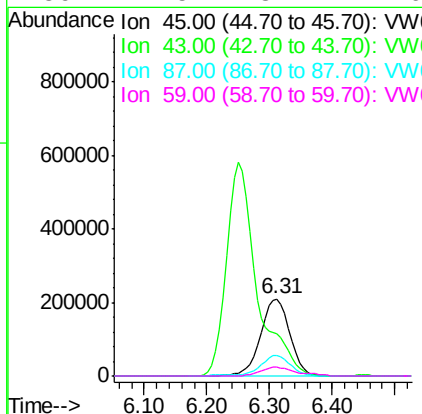
RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

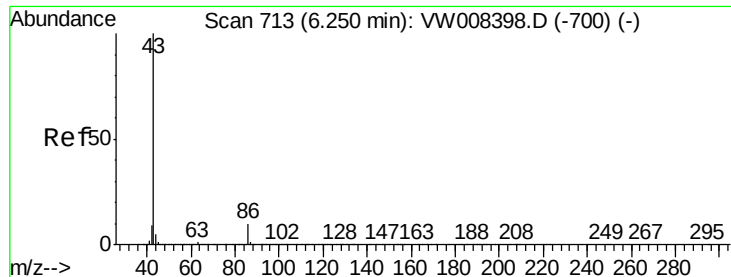
Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 673348 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 53.8  | 42.6  | 63.8   |
| 87       | 27.2  | 20.3  | 30.5   |
| 59       | 11.5  | 8.4   | 12.6   |







#23

Vinyl Acetate

Concen: 248.219 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1947089

Ion Ratio Lower Upper

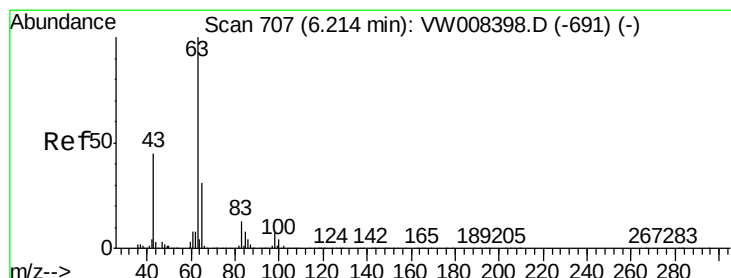
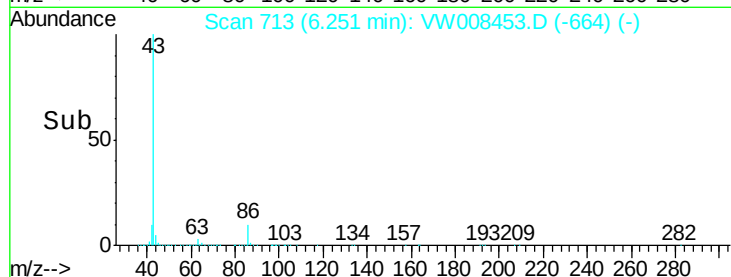
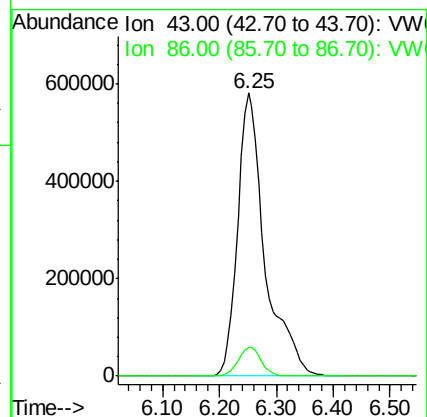
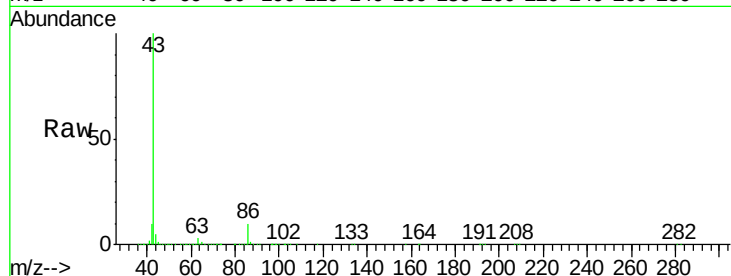
43 100

86 10.2 7.8 11.8

Manual Integrations  
APPROVED

MMDadoda

1/30/2019 9:39:50 AM



#24

1,1-Dichloroethane

Concen: 51.935 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

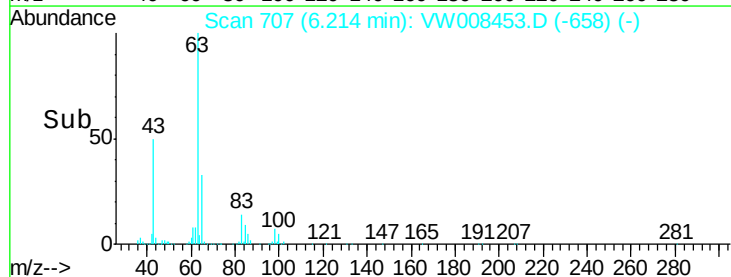
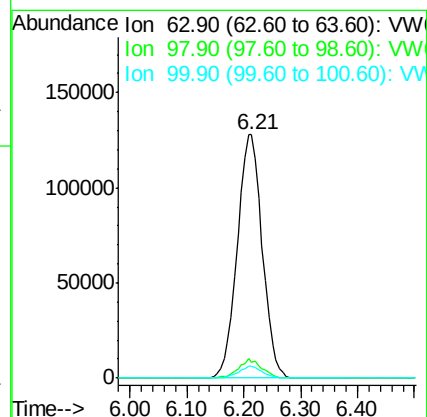
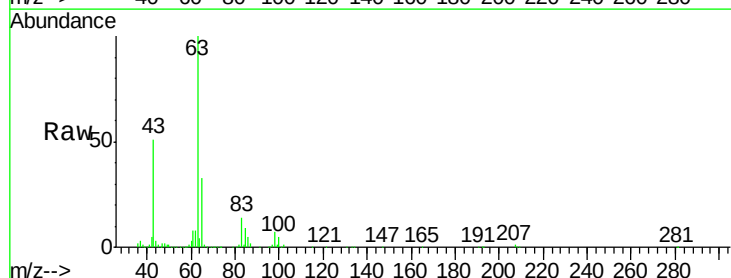
Tgt Ion: 63 Resp: 390528

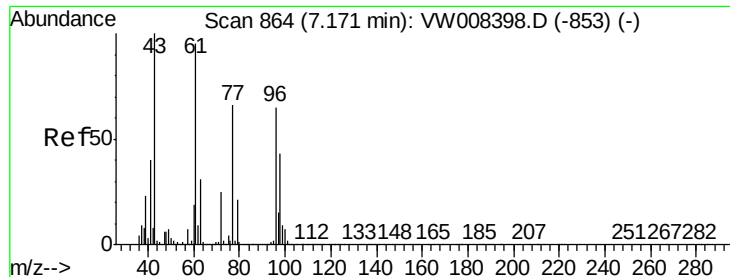
Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.5

100 4.8 2.1 6.2





#25

2-Butanone

Concen: 261.024 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 322565

Ion Ratio Lower Upper

43 100

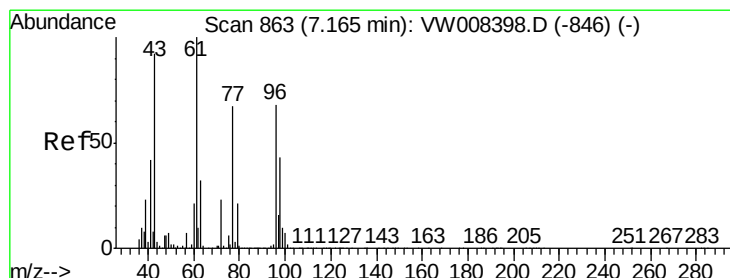
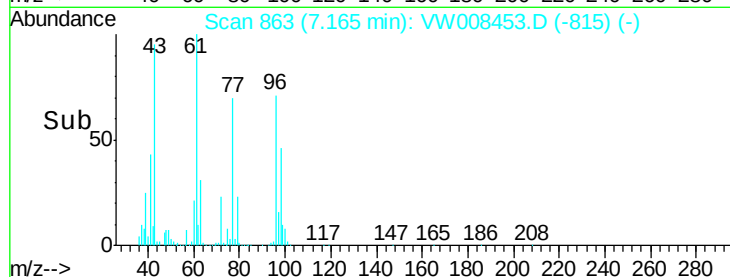
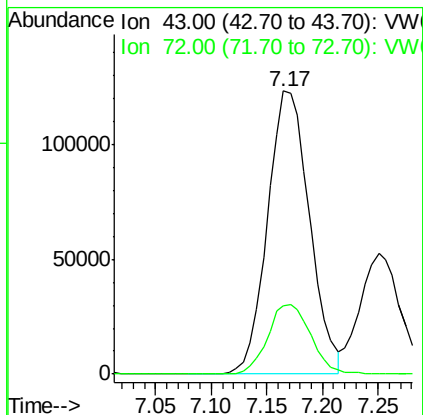
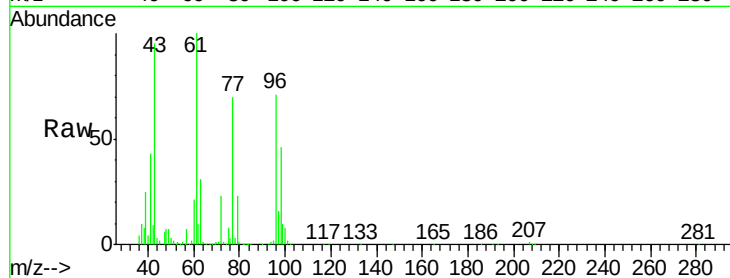
72 24.3 20.1 30.1

Manual Integrations

APPROVED

MMDadoda

1/30/2019 9:39:50 AM



#26

2,2-Dichloropropane

Concen: 52.624 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008453.D

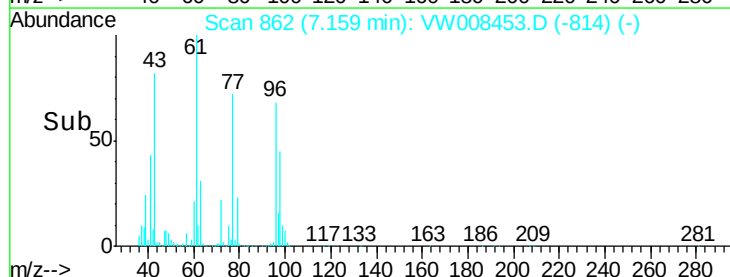
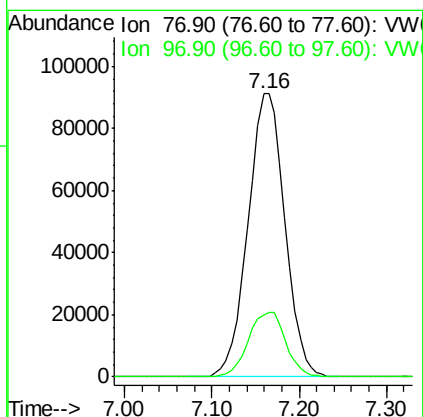
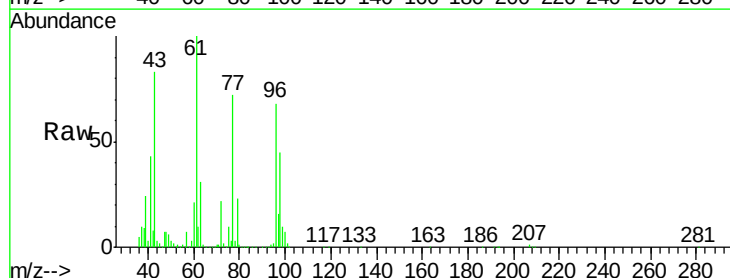
Acq: 29 Jan 2019 16:39

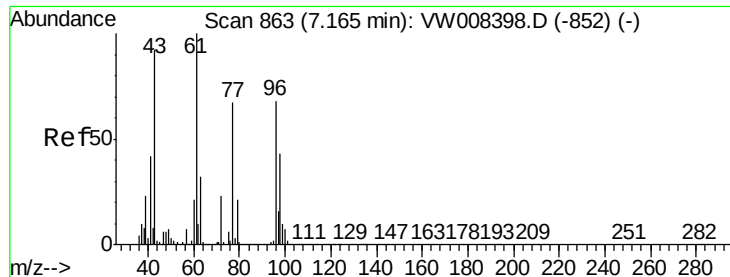
Tgt Ion: 77 Resp: 267478

Ion Ratio Lower Upper

77 100

97 23.3 11.5 34.5





#27

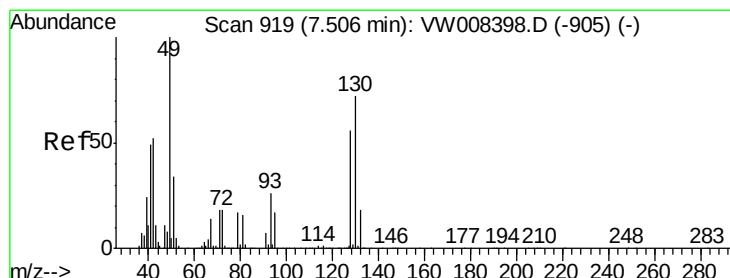
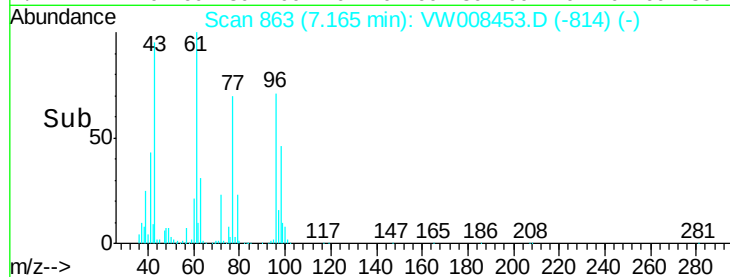
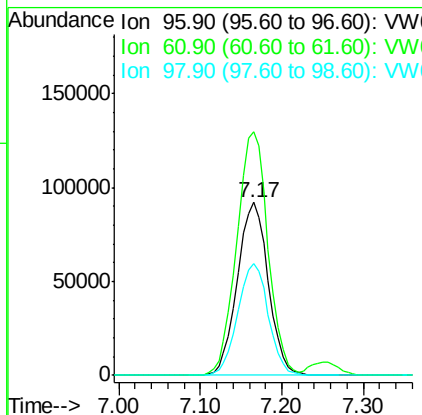
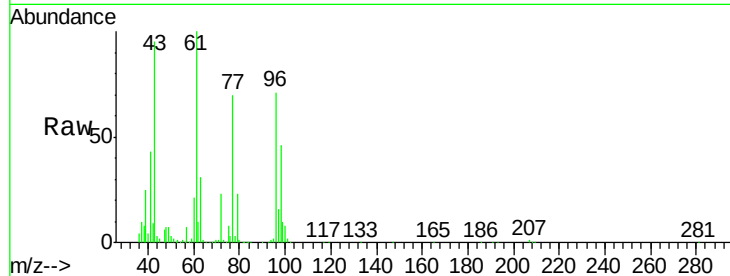
cis-1,2-Dichloroethene  
Concen: 53.371 ug/l  
RT: 7.17 min Scan# 863  
Delta R.T. 0.00 min  
Lab File: VW008453.D  
Acq: 29 Jan 2019 16:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 241386 |       |       |
| 61      | 142.7 | 0.0    | 292.8 |       |
| 98      | 64.4  | 0.0    | 129.2 |       |

Manual Integrations  
APPROVED

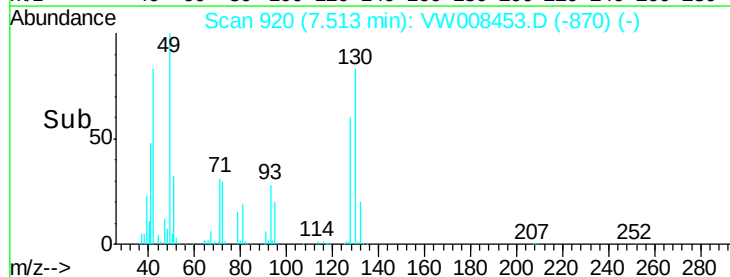
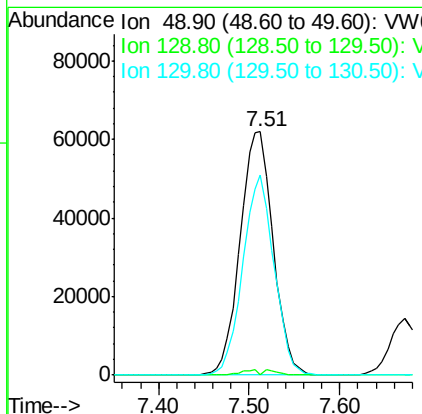
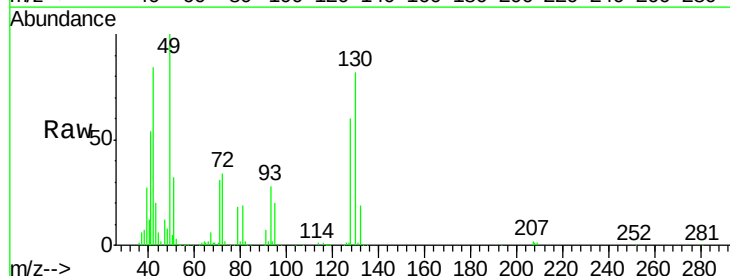
MMDadoda  
1/30/2019 9:39:50 AM

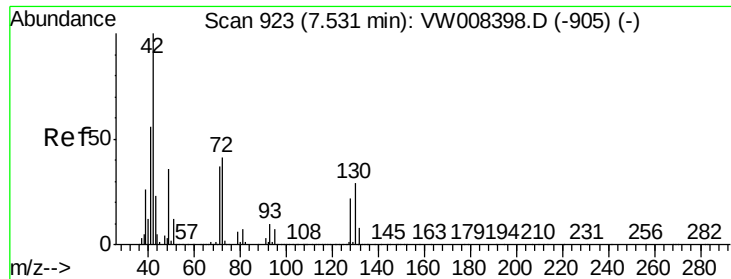


#28

Bromochloromethane  
Concen: 45.210 ug/l  
RT: 7.51 min Scan# 920  
Delta R.T. 0.01 min  
Lab File: VW008453.D  
Acq: 29 Jan 2019 16:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 156144 |       |       |
| 129     | 1.0   | 0.0    | 4.6   |       |
| 130     | 77.8  | 58.6   | 87.8  |       |





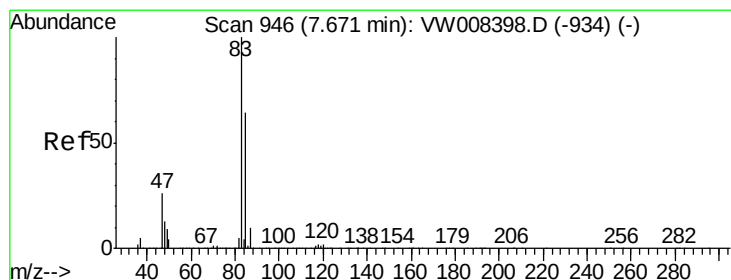
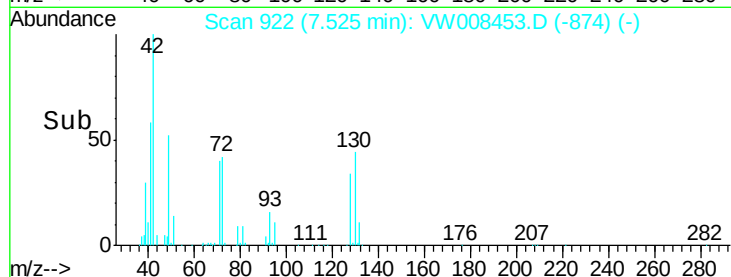
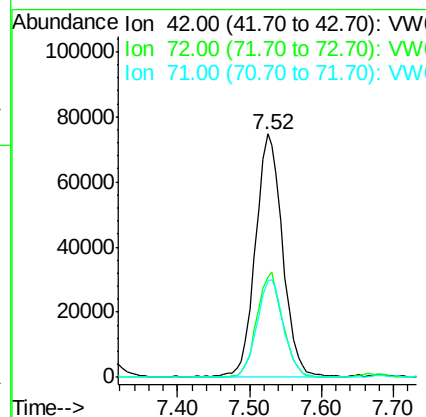
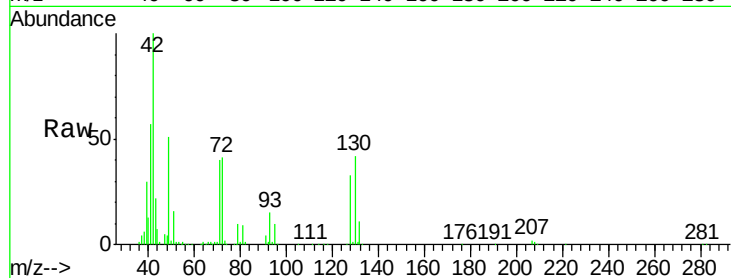
#29  
Tetrahydrofuran  
Concen: 247.801 ug/l  
RT: 7.52 min Scan# 922  
Delta R.T. -0.01 min  
Lab File: VW008453.D  
Acq: 29 Jan 2019 16:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 42      | 100   | 194055 |       |       |
| 72      | 41.5  |        | 31.9  | 47.9  |
| 71      | 39.9  |        | 29.9  | 44.9  |

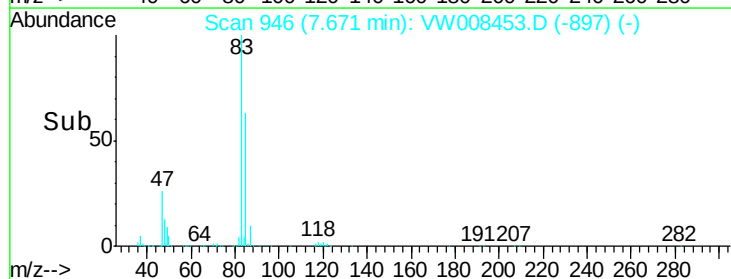
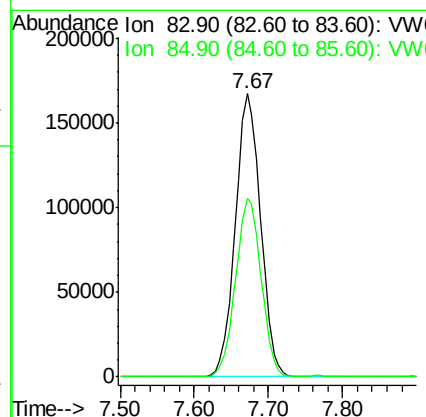
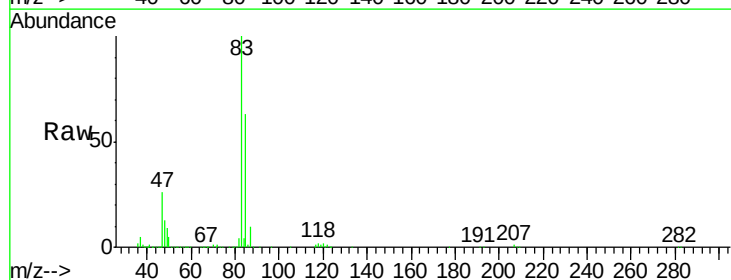
Manual Integrations  
APPROVED

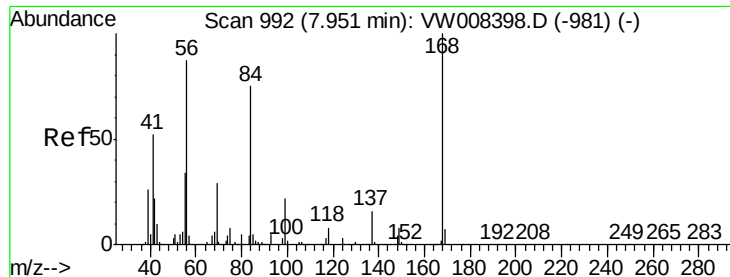
MMDadoda  
1/30/2019 9:39:50 AM



#30  
Chloroform  
Concen: 53.857 ug/l  
RT: 7.67 min Scan# 946  
Delta R.T. 0.00 min  
Lab File: VW008453.D  
Acq: 29 Jan 2019 16:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 398340 |       |       |
| 85      | 63.0  |        | 50.9  | 76.3  |





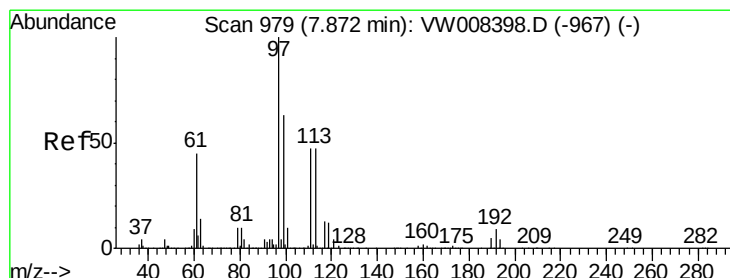
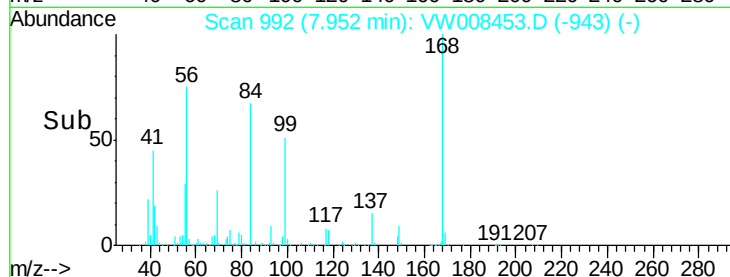
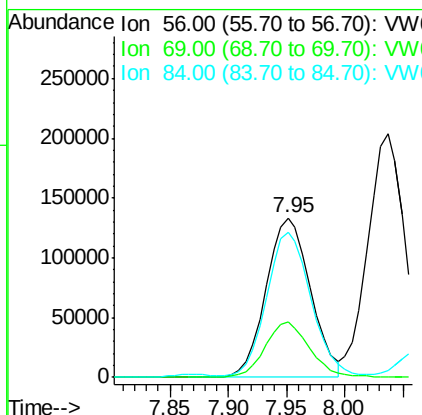
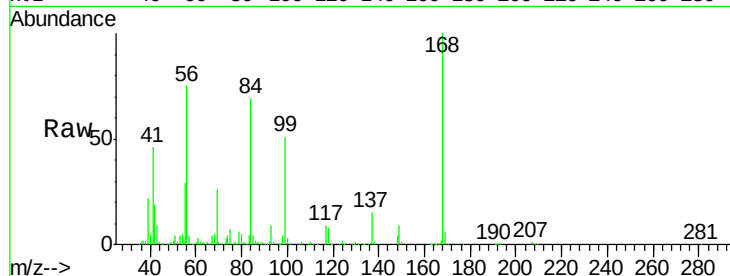
#31  
Cyclohexane  
Concen: 45.218 ug/l  
RT: 7.95 min Scan# 992  
Delta R.T. 0.00 min  
Lab File: VW008453.D  
Acq: 29 Jan 2019 16:39

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 34.4  | 26.4  | 39.6  |
| 84      | 89.4  | 69.1  | 103.7 |

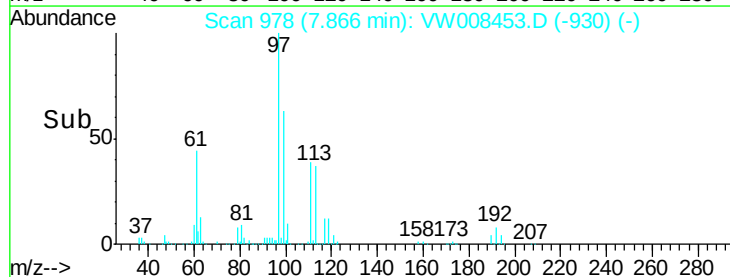
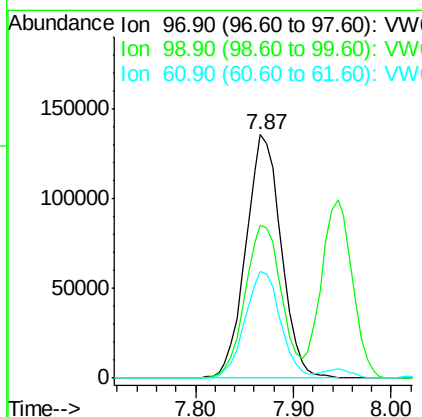
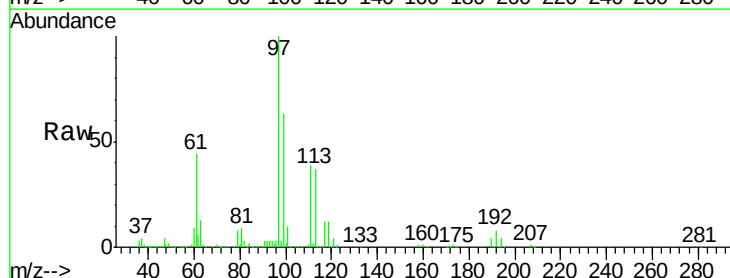
Manual Integrations  
APPROVED

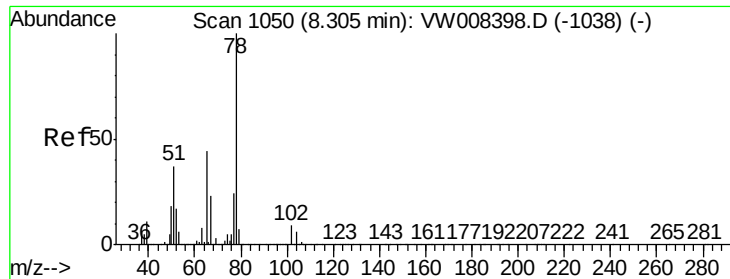
MMDadoda  
1/30/2019 9:39:50 AM



#32  
1,1,1-Trichloroethane  
Concen: 53.437 ug/l  
RT: 7.87 min Scan# 978  
Delta R.T. -0.01 min  
Lab File: VW008453.D  
Acq: 29 Jan 2019 16:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.6  | 51.3  | 76.9  |
| 61      | 44.1  | 36.2  | 54.4  |





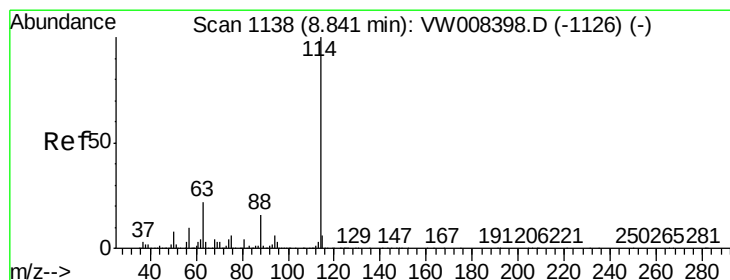
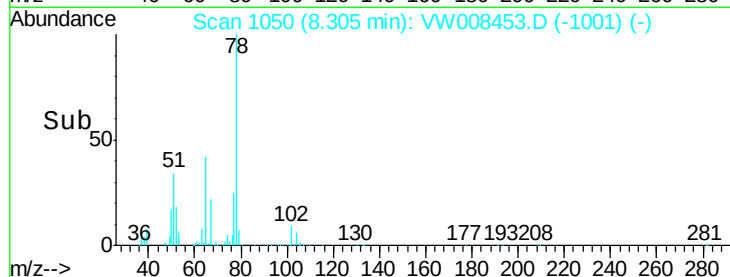
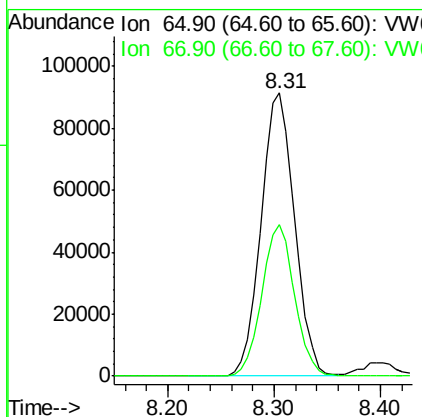
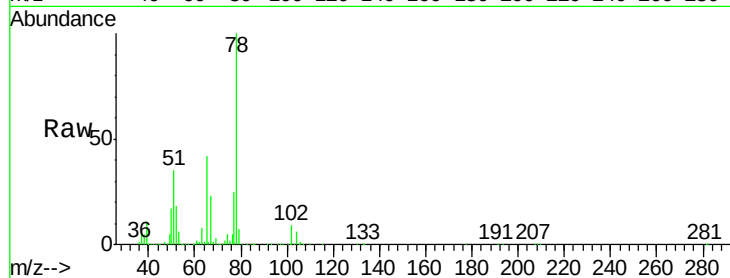
#33  
 1,2-Dichloroethane-d4  
 Concen: 50.804 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. 0.00 min  
 Lab File: VW008453.D  
 Acq: 29 Jan 2019 16:39

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 201277 |       |       |
| 67      | 52.0  | 0.0    | 104.0 |       |

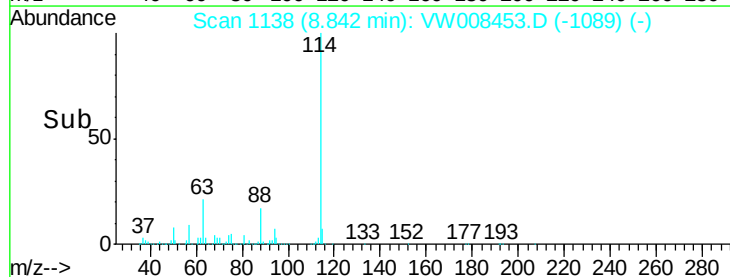
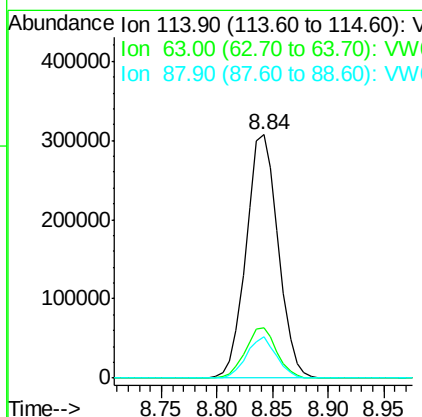
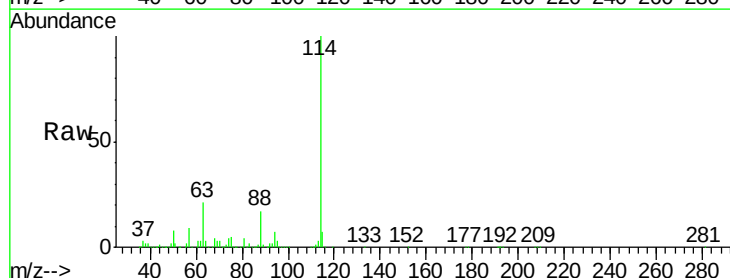
Manual Integrations  
 APPROVED

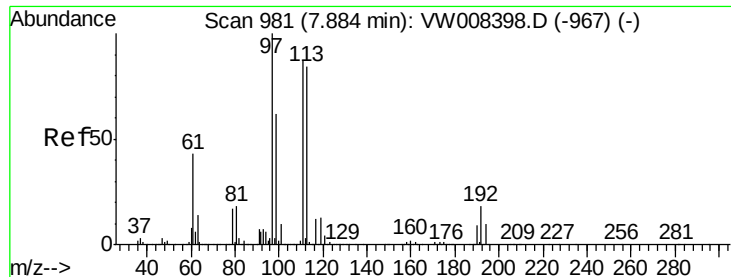
MMDadoda  
 1/30/2019 9:39:50 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW008453.D  
 Acq: 29 Jan 2019 16:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 615138 |       |       |
| 63      | 20.7  | 0.0    | 43.6  |       |
| 88      | 16.8  | 0.0    | 31.8  |       |





#35

Dibromofluoromethane

Concen: 54.898 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Instrument :

MSVOA\_W

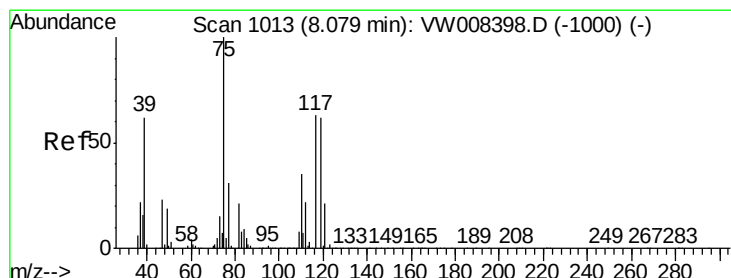
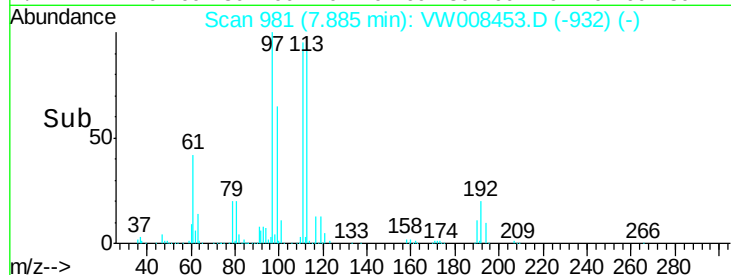
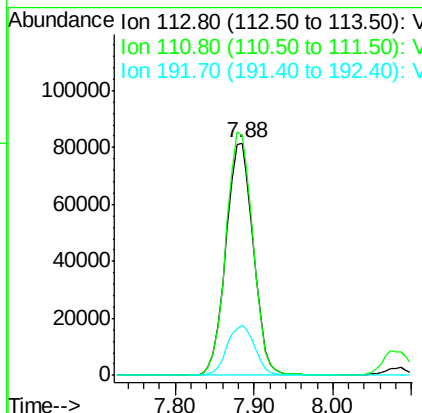
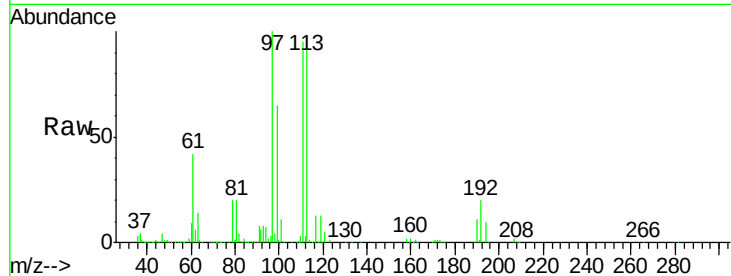
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 197465 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 102.8 | 81.0  | 121.4  |
| 192       | 21.7  | 16.8  | 25.2   |

Manual Integrations  
APPROVED

MMDadoda  
1/30/2019 9:39:50 AM



#36

1,1-Dichloropropene

Concen: 54.593 ug/l

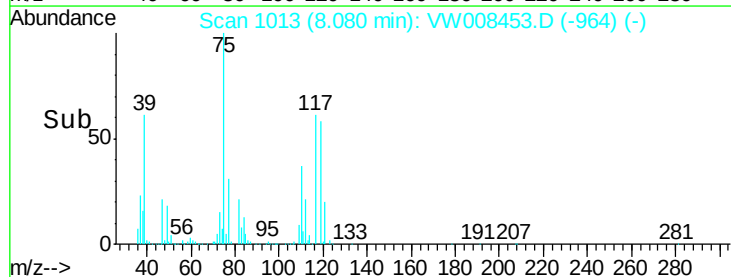
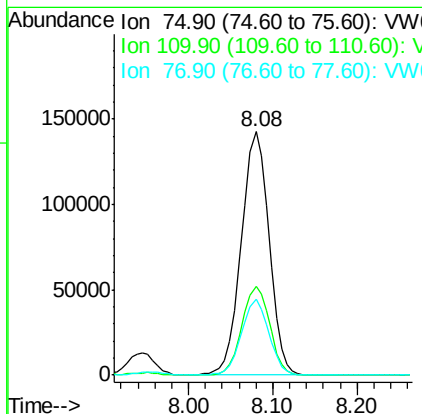
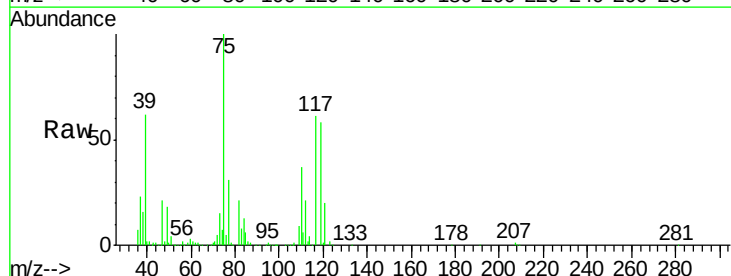
RT: 8.08 min Scan# 1013

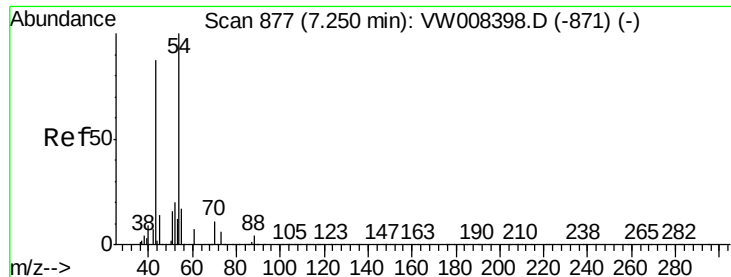
Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 317221 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 36.5  | 17.3  | 52.0   |
| 77        | 30.5  | 24.7  | 37.1   |





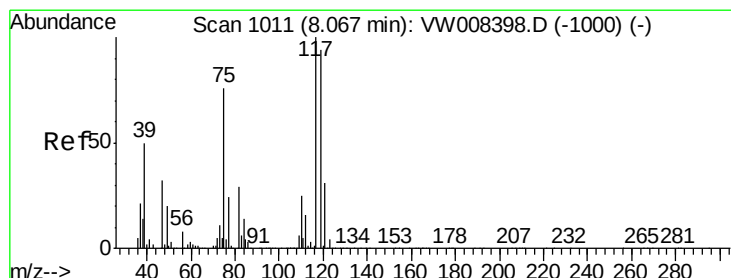
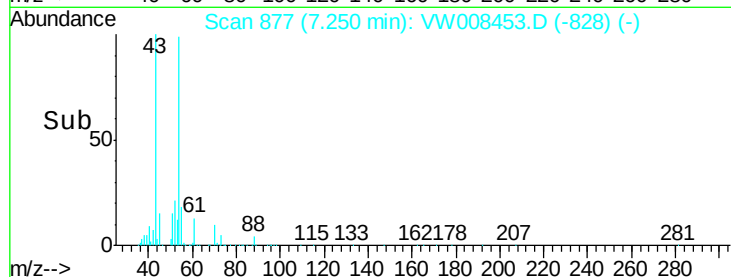
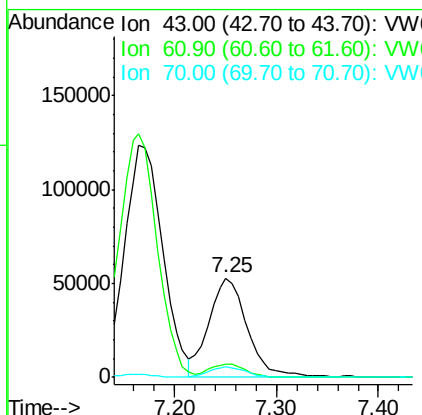
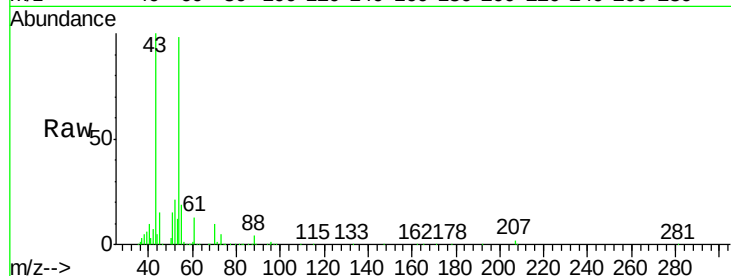
#37  
Ethyl Acetate  
Concen: 52.765 ug/l  
RT: 7.25 min Scan# 877  
Delta R.T. 0.00 min  
Lab File: VW008453.D  
Acq: 29 Jan 2019 16:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 12.8  | 10.1  | 15.1  |
| 70      | 10.3  | 7.8   | 11.6  |

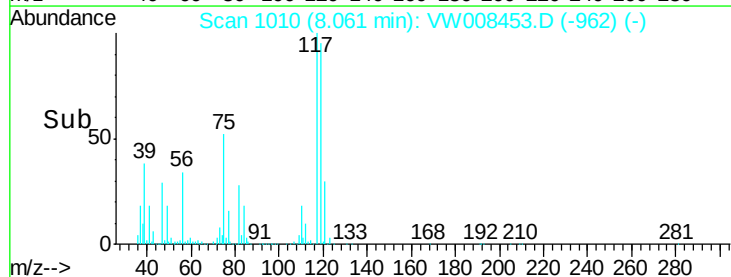
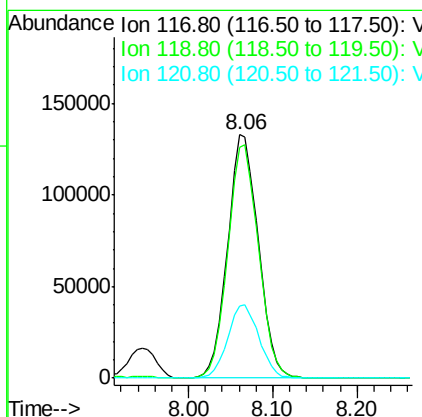
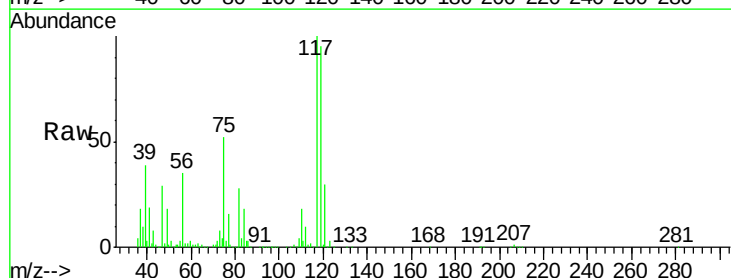
Manual Integrations  
APPROVED

MMDadoda  
1/30/2019 9:39:50 AM

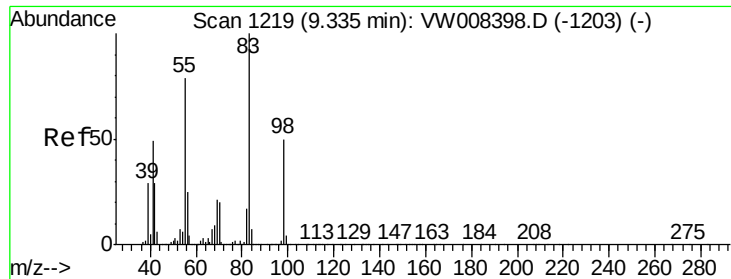


#38  
Carbon Tetrachloride  
Concen: 56.298 ug/l  
RT: 8.06 min Scan# 1010  
Delta R.T. -0.01 min  
Lab File: VW008453.D  
Acq: 29 Jan 2019 16:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 94.5  | 75.0  | 112.4 |
| 121     | 29.8  | 24.9  | 37.3  |







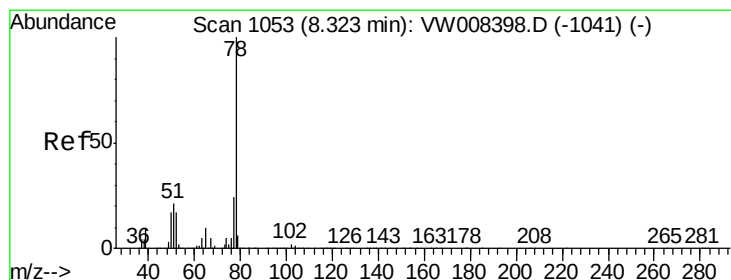
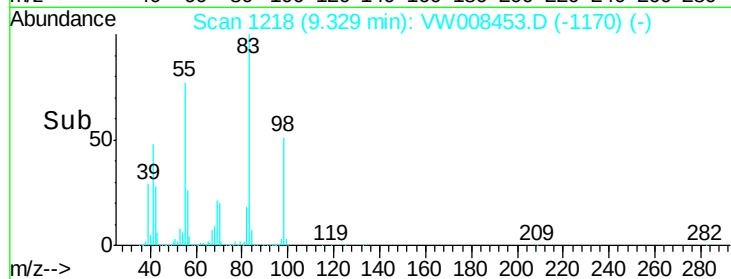
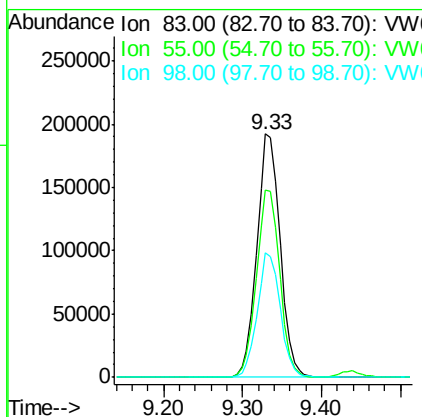
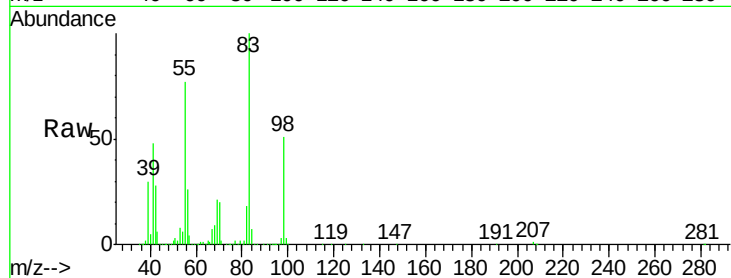
#39  
Methylvlcyclohexane  
Concen: 51.649 ug/l  
RT: 9.33 min Scan# 1218  
Delta R.T. -0.01 min  
Lab File: VW008453.D  
Acq: 29 Jan 2019 16:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 76.9  | 63.3  | 94.9  |
| 98      | 51.0  | 39.7  | 59.5  |

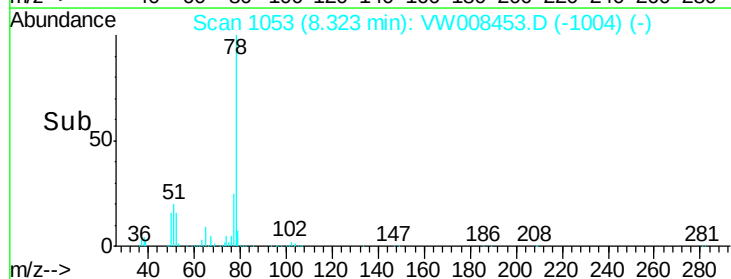
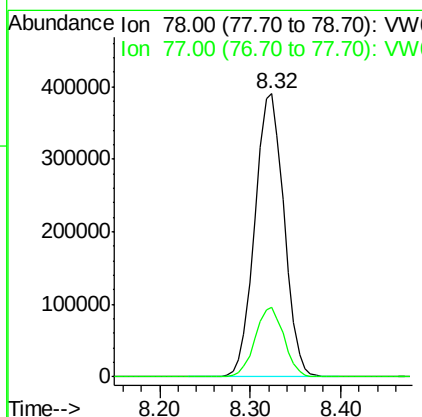
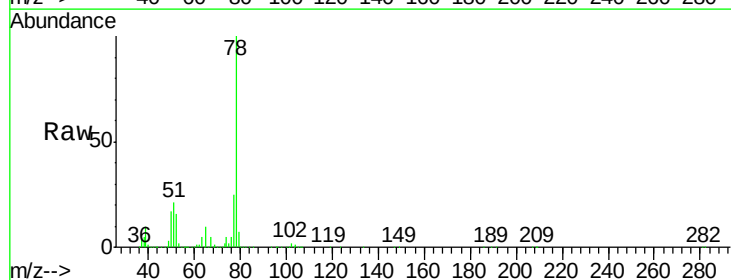
Manual Integrations  
APPROVED

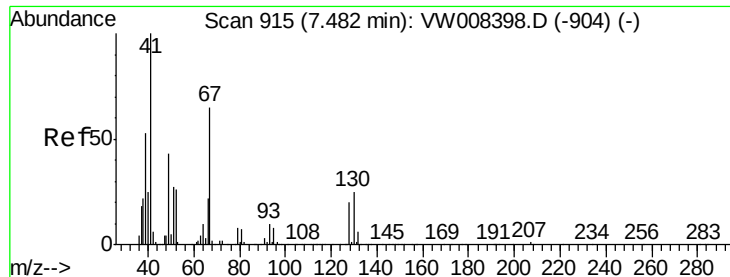
MMDadoda  
1/30/2019 9:39:50 AM



#40  
Benzene  
Concen: 53.943 ug/l  
RT: 8.32 min Scan# 1053  
Delta R.T. 0.00 min  
Lab File: VW008453.D  
Acq: 29 Jan 2019 16:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.6  | 19.0  | 28.6  |





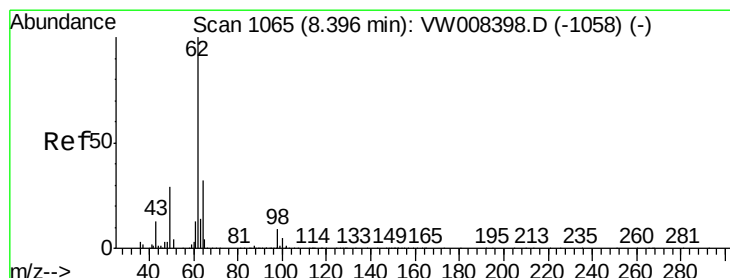
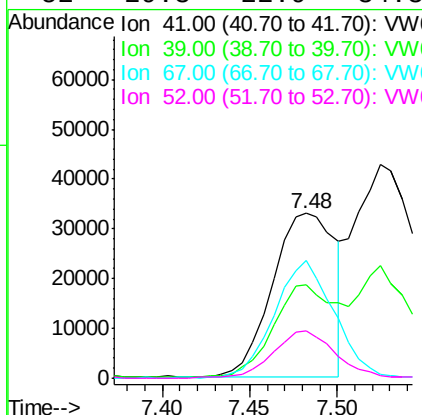
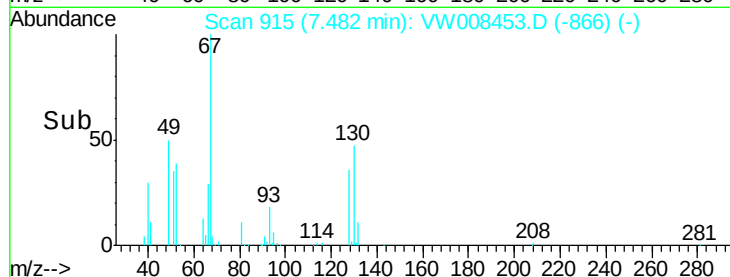
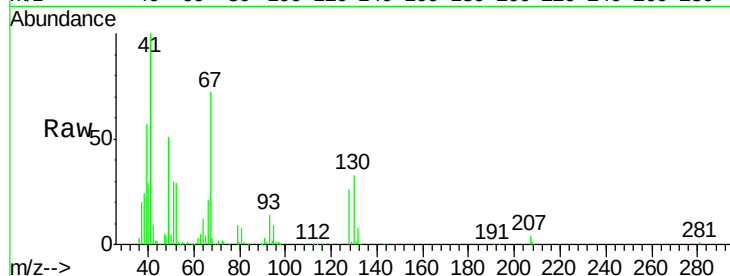
#41  
Methacrylonitrile  
Concen: 53.918 ug/l  
RT: 7.48 min Scan# 915  
Delta R.T. 0.00 min  
Lab File: VW008453.D  
Acq: 29 Jan 2019 16:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 60.5 | 43.4  | 65.0  |       |
| 67      | 68.7 | 54.2  | 81.2  |       |
| 52      | 29.3 | 22.9  | 34.3  |       |

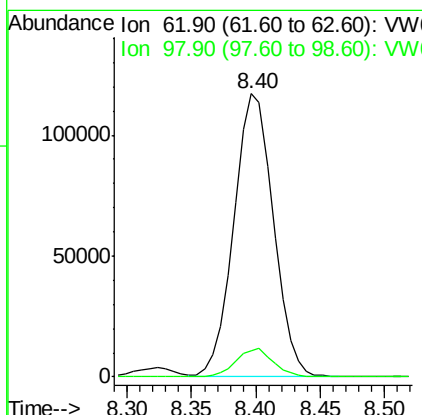
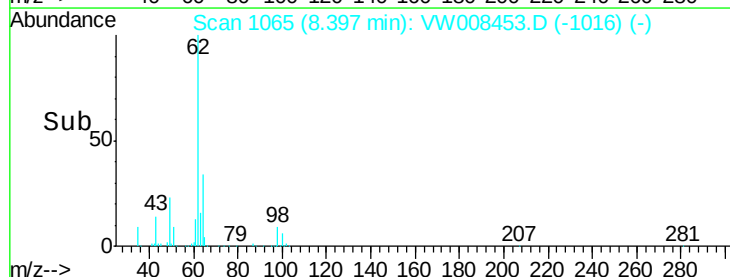
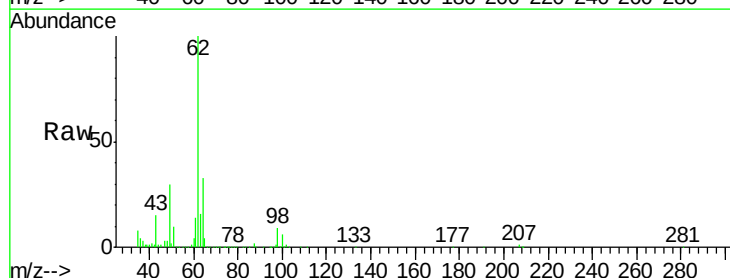
Manual Integrations  
APPROVED

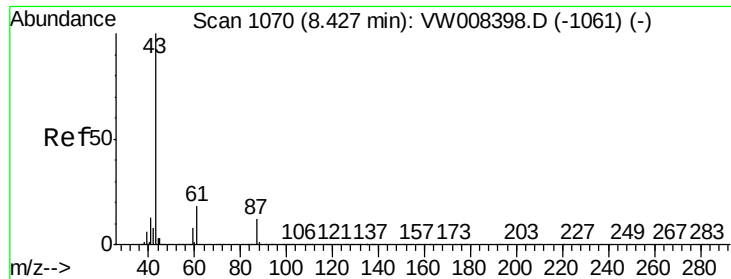
MMDadoda  
1/30/2019 9:39:50 AM



#42  
1,2-Dichloroethane  
Concen: 53.279 ug/l  
RT: 8.40 min Scan# 1065  
Delta R.T. 0.00 min  
Lab File: VW008453.D  
Acq: 29 Jan 2019 16:39

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 9.6 | 0.0   | 18.6  |       |





#43

Isopropyl Acetate

Concen: 52.386 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Instrument :

MSVOA\_W

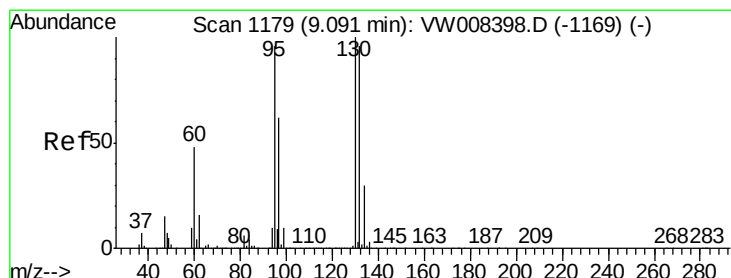
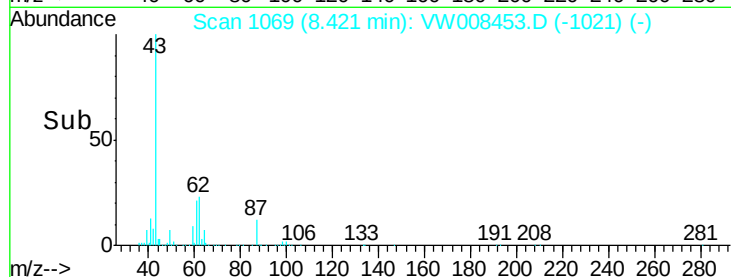
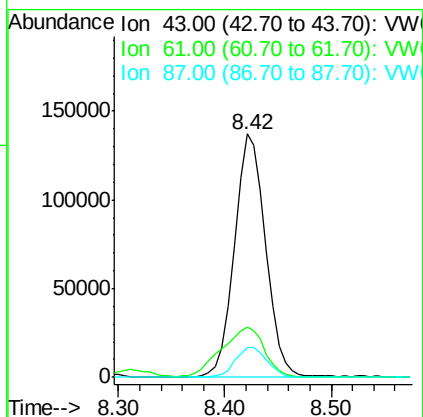
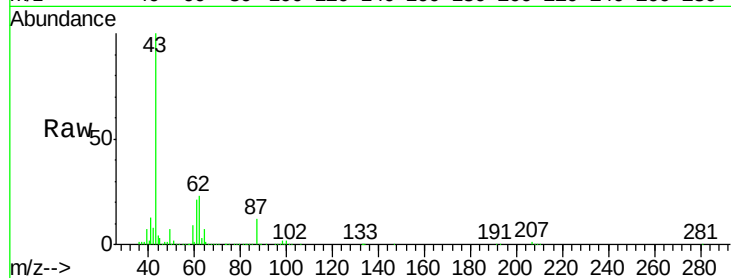
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 279790 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 28.7  | 22.0  | 33.0   |
| 87       | 12.9  | 9.3   | 13.9   |

Manual Integrations  
APPROVED

MMDadoda  
1/30/2019 9:39:50 AM



#44

Trichloroethene

Concen: 56.126 ug/l

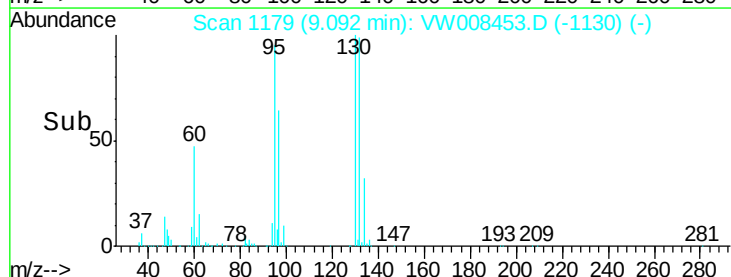
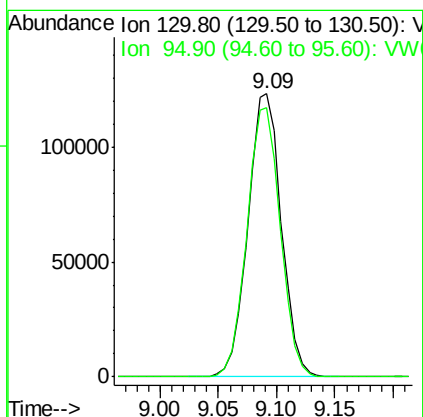
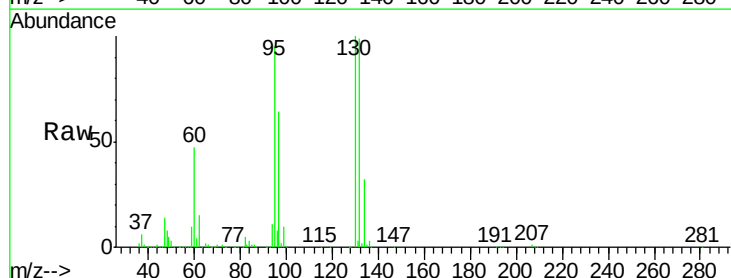
RT: 9.09 min Scan# 1179

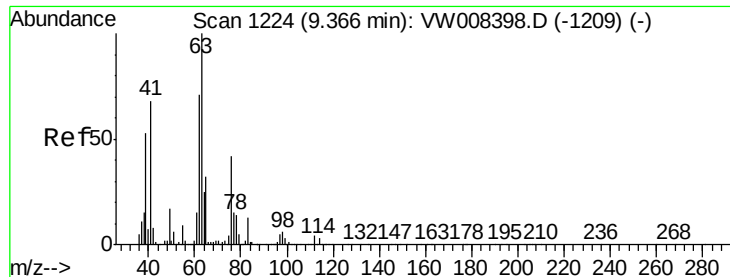
Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 246090 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 95.1  | 0.0   | 191.6  |





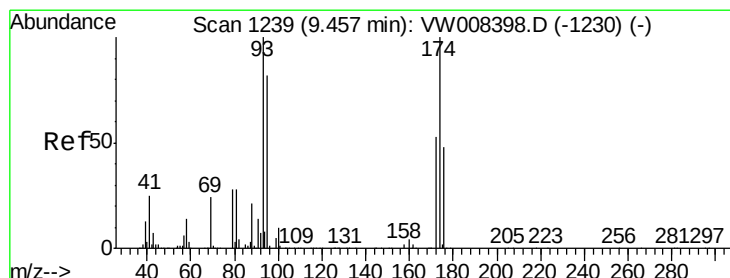
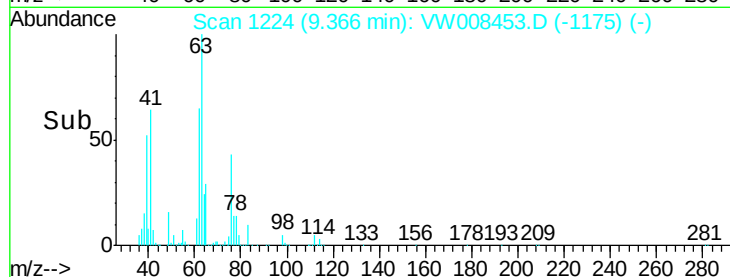
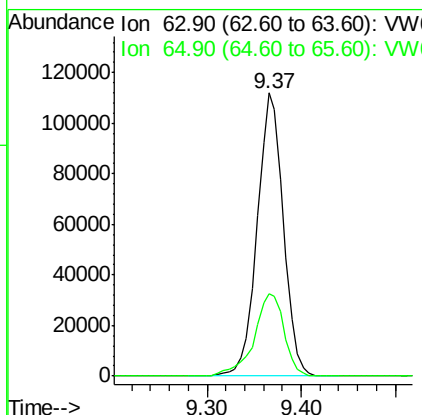
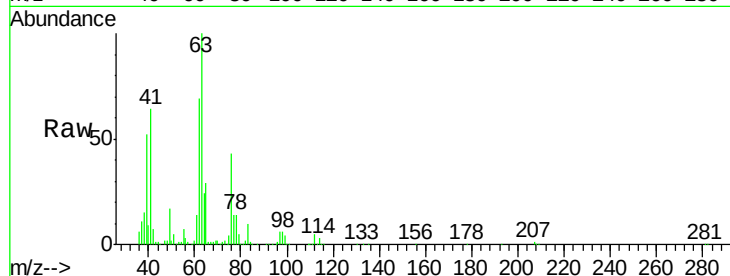
#45  
 1,2-Dichloropropane  
 Concen: 54.311 ug/l  
 RT: 9.37 min Scan# 1224  
 Delta R.T. 0.00 min  
 Lab File: VW008453.D  
 Acq: 29 Jan 2019 16:39

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 29.3  | 25.2  | 37.8  |

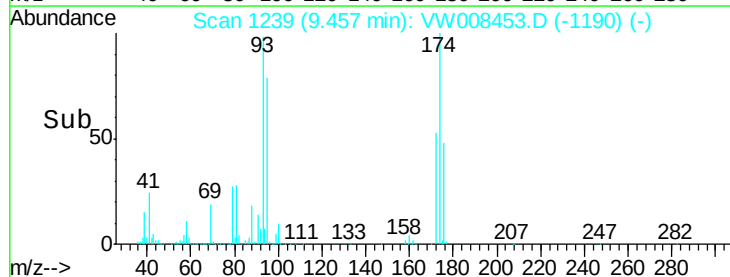
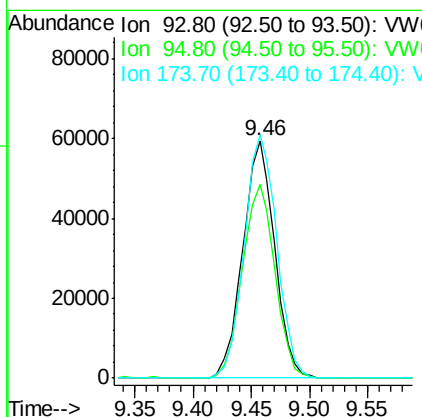
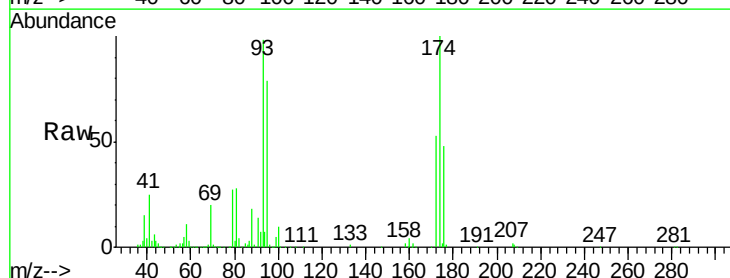
Manual Integrations  
 APPROVED

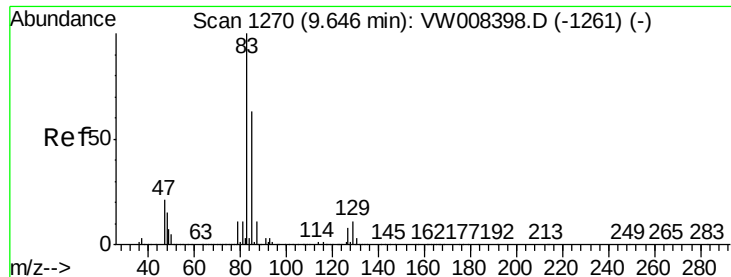
MMDadoda  
 1/30/2019 9:39:50 AM



#46  
 Dibromomethane  
 Concen: 54.933 ug/l  
 RT: 9.46 min Scan# 1239  
 Delta R.T. 0.00 min  
 Lab File: VW008453.D  
 Acq: 29 Jan 2019 16:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 83.6  | 65.9  | 98.9  |
| 174     | 105.1 | 81.0  | 121.6 |





#47

Bromodichloromethane

Concen: 55.085 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Instrument :

MSVOA\_W

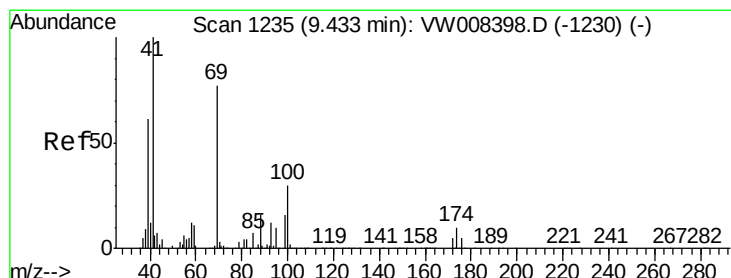
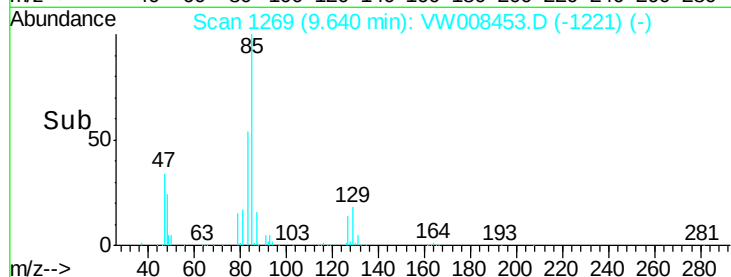
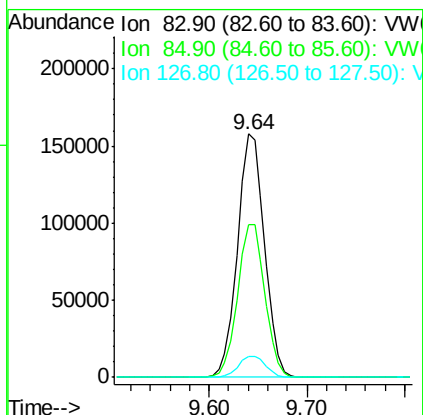
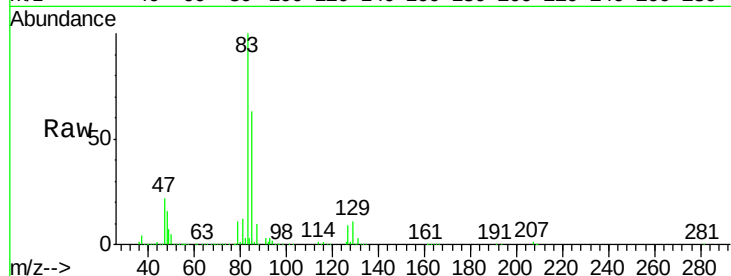
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 301277 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 63.0  | 50.8  | 76.2   |
| 127       | 8.6   | 6.8   | 10.2   |

Manual Integrations  
APPROVED

MMDadoda  
1/30/2019 9:39:50 AM



#48

Methyl methacrylate

Concen: 50.939 ug/l

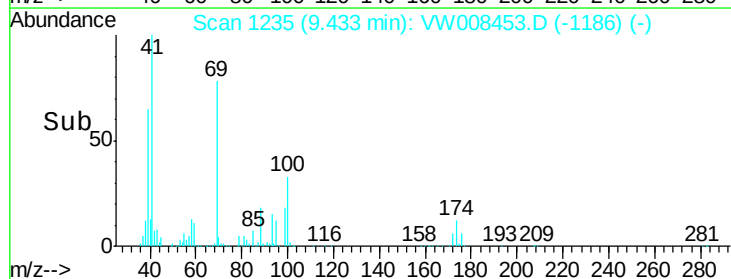
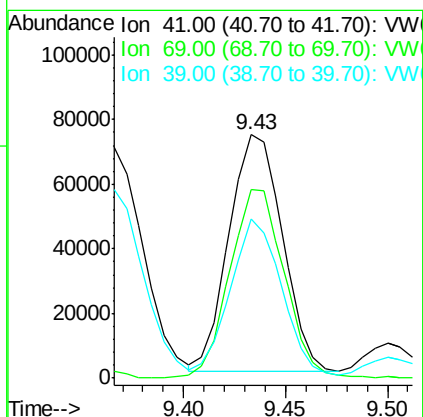
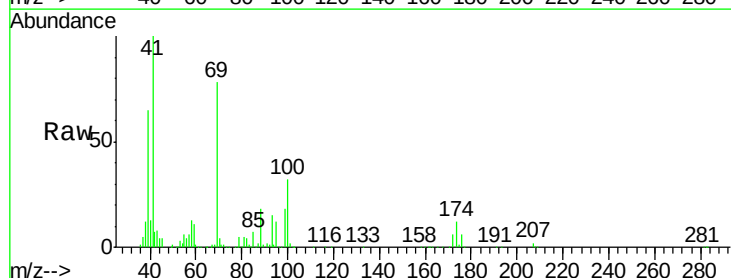
RT: 9.43 min Scan# 1235

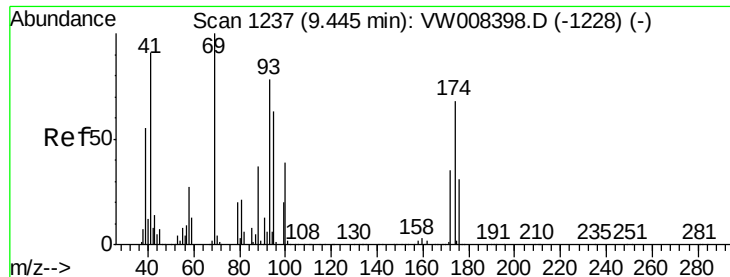
Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 133027 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 81.4  | 64.8  | 97.2   |
| 39        | 65.2  | 49.1  | 73.7   |





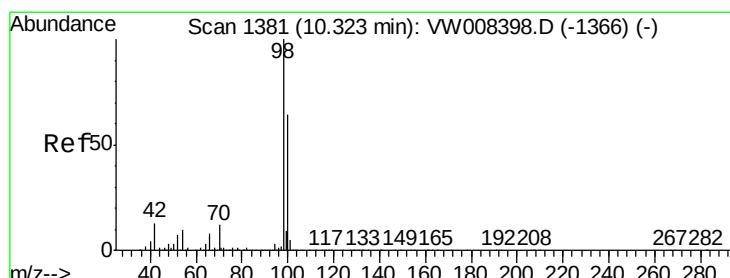
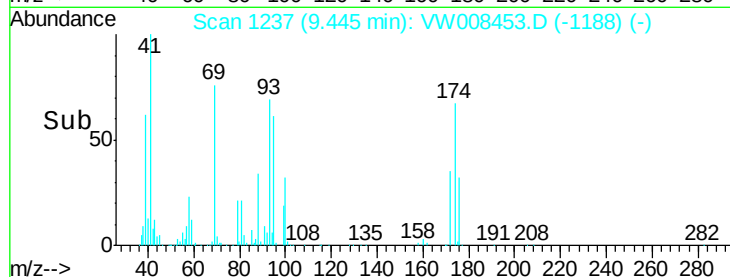
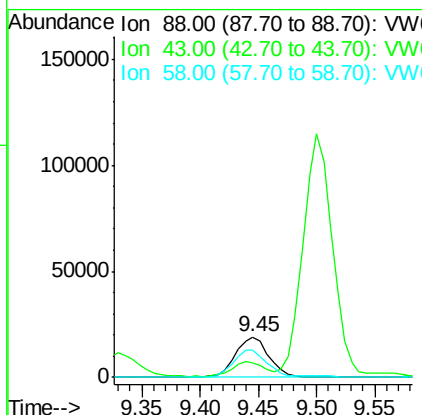
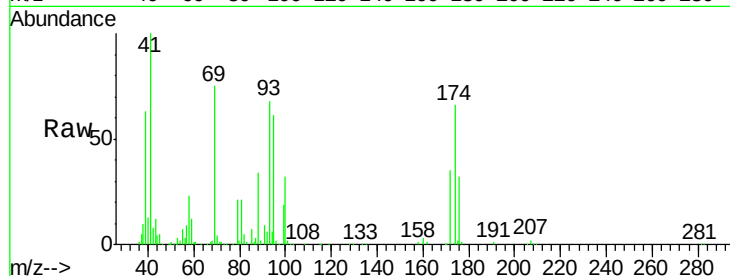
#49  
1,4-Dioxane  
Concen: 1094.846 ug/l  
RT: 9.45 min Scan# 1237  
Delta R.T. 0.00 min  
Lab File: VW008453.D  
Acq: 29 Jan 2019 16:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 33.6  | 29.0  | 43.4  |
| 58      | 72.9  | 56.4  | 84.6  |

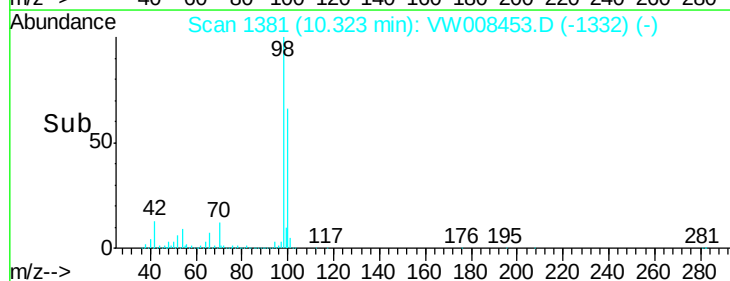
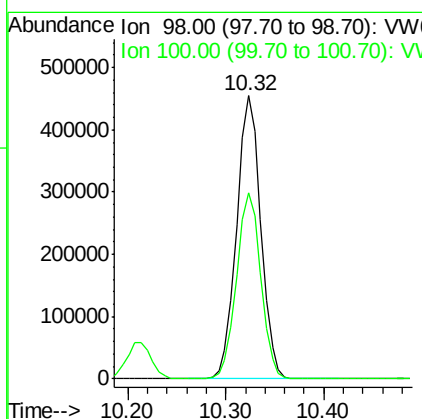
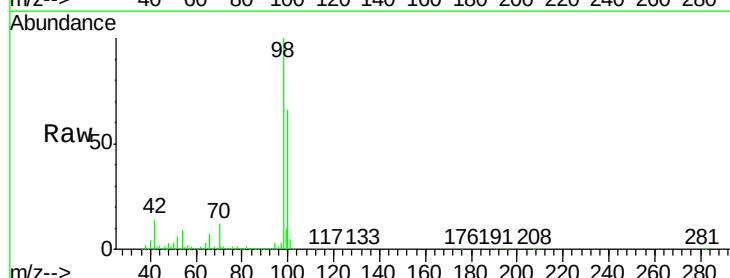
Manual Integrations  
APPROVED

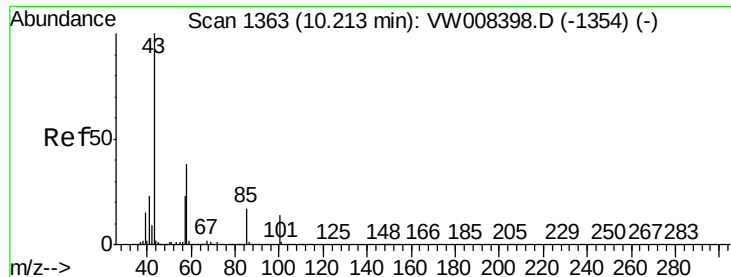
MMDadoda  
1/30/2019 9:39:50 AM



#50  
Toluene-d8  
Concen: 53.979 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. 0.00 min  
Lab File: VW008453.D  
Acq: 29 Jan 2019 16:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.0  | 52.6  | 78.8  |





#51

4-Methyl-2-Pentanone

Concen: 260.595 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 687601

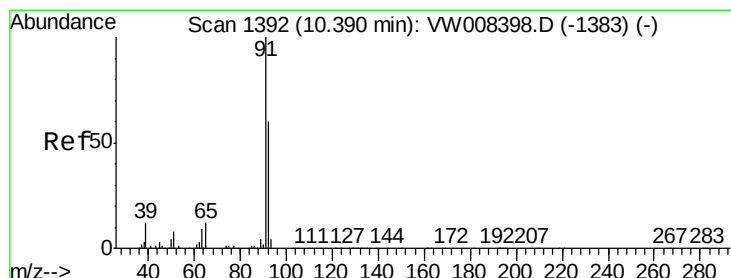
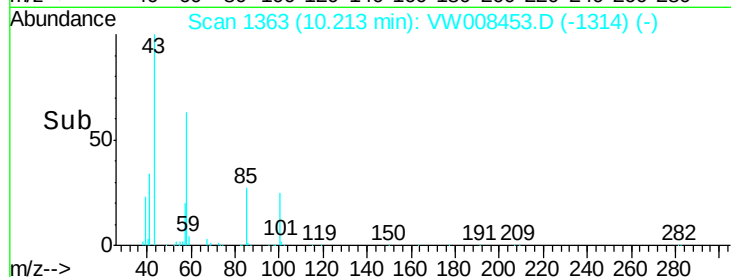
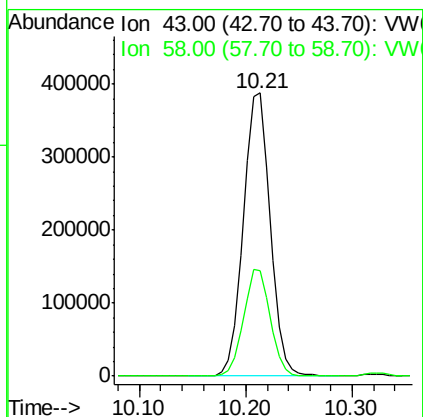
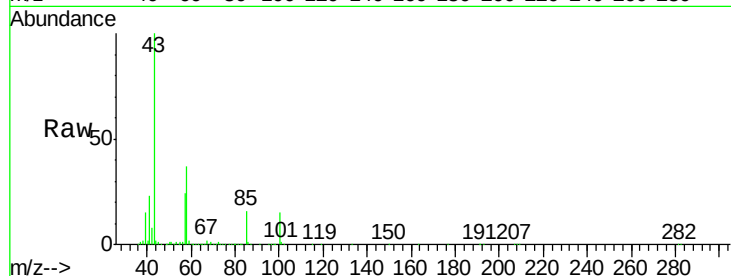
Ion Ratio Lower Upper

43 100

58 37.5 29.7 44.5

Manual Integrations  
APPROVED

MMDadoda  
1/30/2019 9:39:50 AM



#52

Toluene

Concen: 53.723 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008453.D

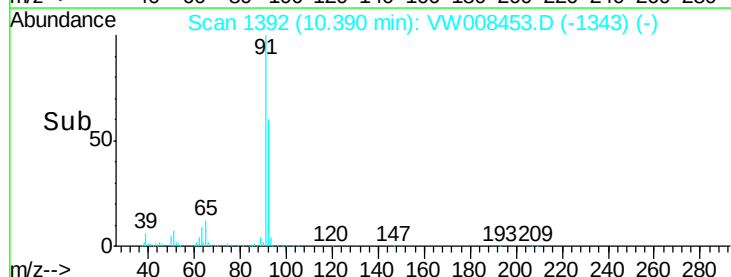
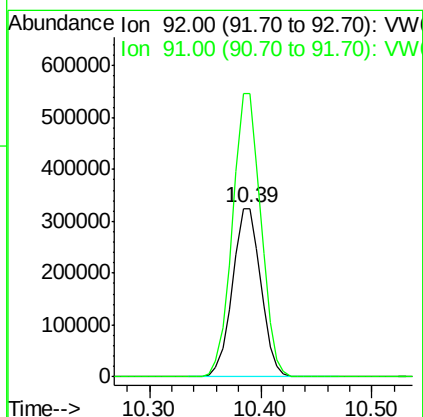
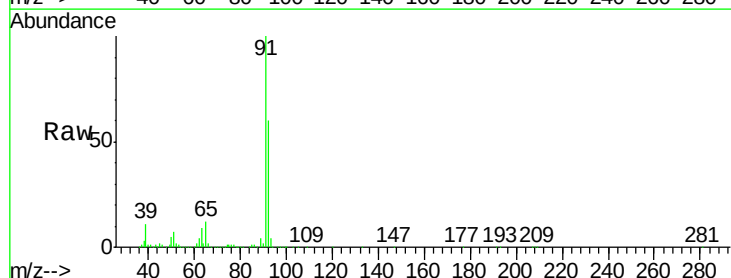
Acq: 29 Jan 2019 16:39

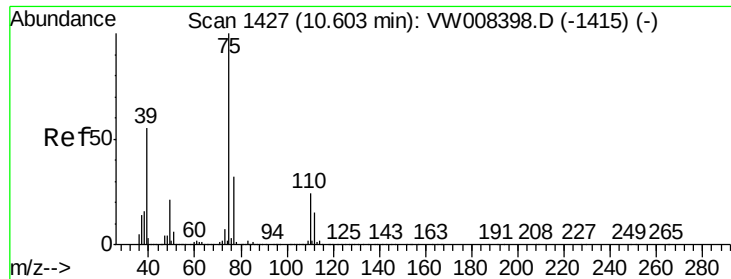
Tgt Ion: 92 Resp: 571805

Ion Ratio Lower Upper

92 100

91 168.8 135.5 203.3





#53

t-1,3-Dichloropropene

Concen: 53.094 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 308995

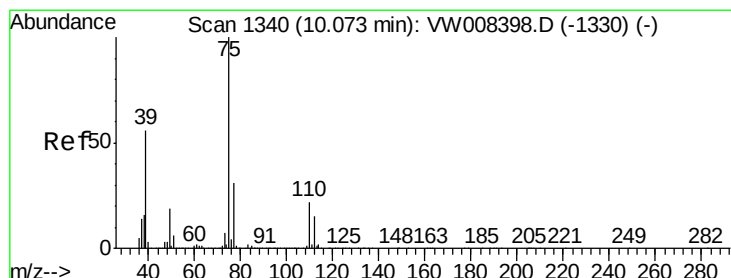
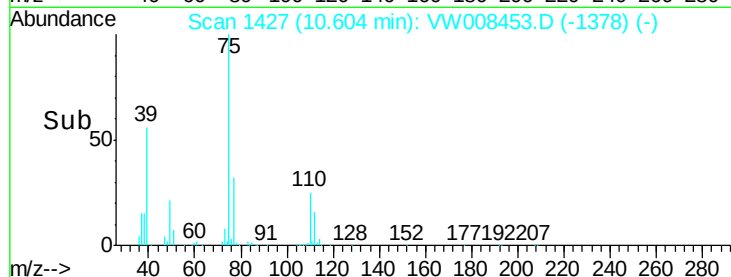
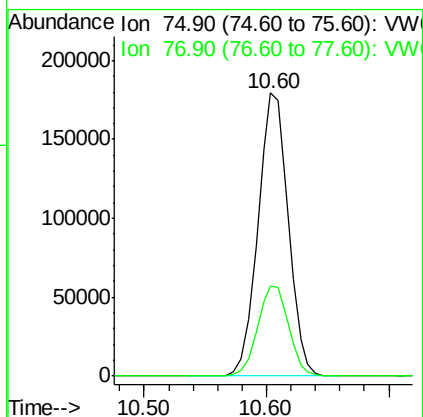
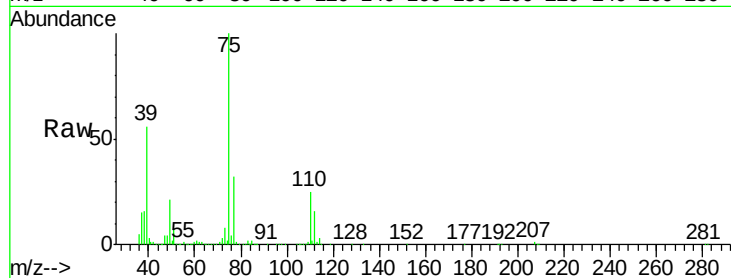
Ion Ratio Lower Upper

75 100

77 31.6 25.3 37.9

Manual Integrations  
APPROVED

MMDadoda  
1/30/2019 9:39:50 AM



#54

cis-1,3-Dichloropropene

Concen: 54.130 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

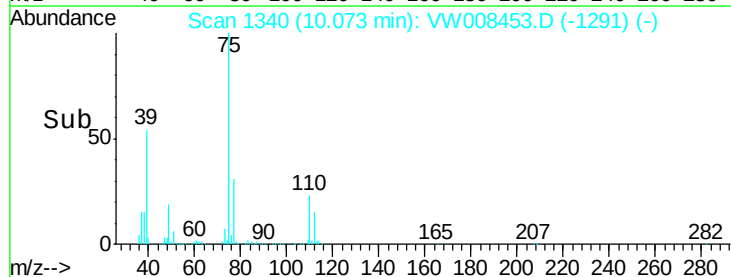
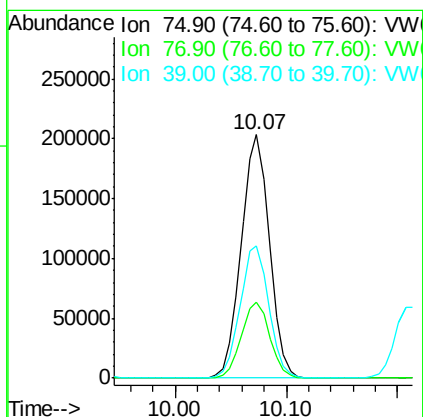
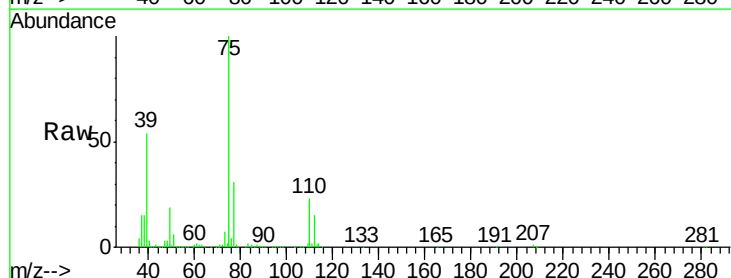
Tgt Ion: 75 Resp: 357500

Ion Ratio Lower Upper

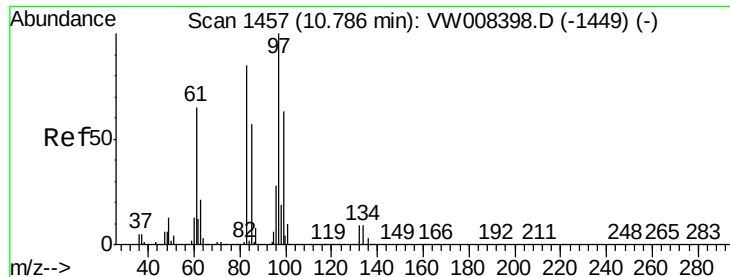
75 100

77 31.3 25.0 37.4

39 54.0 44.9 67.3







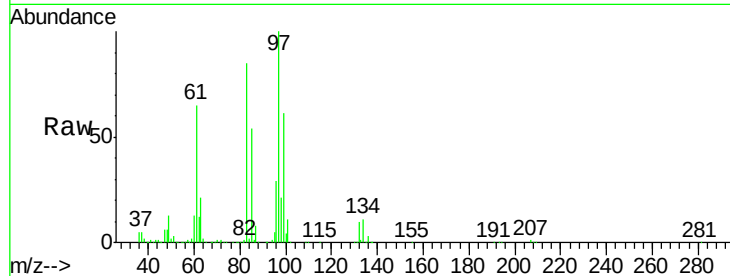
#55  
 1,1,2-Trichloroethane  
 Concen: 54.869 ug/l  
 RT: 10.79 min Scan# 1457  
 Delta R.T. 0.00 min  
 Lab File: VW008453.D  
 Acq: 29 Jan 2019 16:39

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

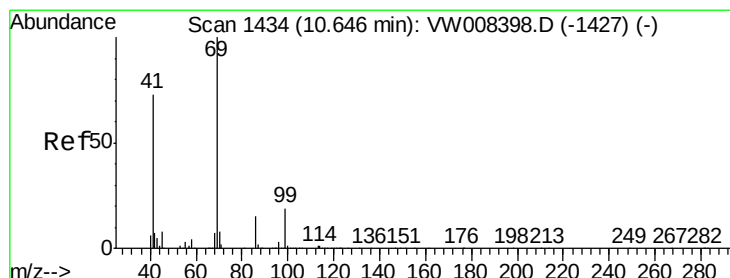
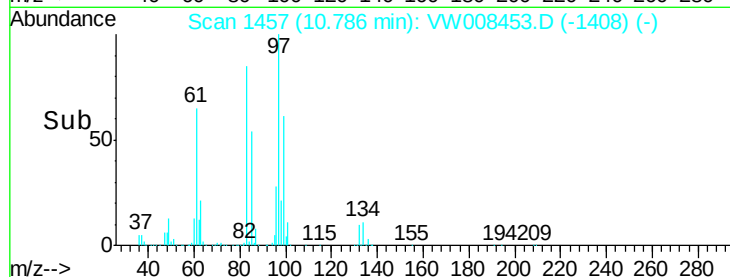
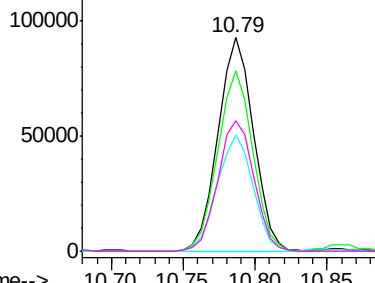
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 157371 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 84.7  | 68.4  | 102.6  |
| 85       | 54.3  | 45.3  | 67.9   |
| 99       | 61.3  | 50.6  | 76.0   |

Manual Integrations  
 APPROVED

MMDadoda  
 1/30/2019 9:39:50 AM

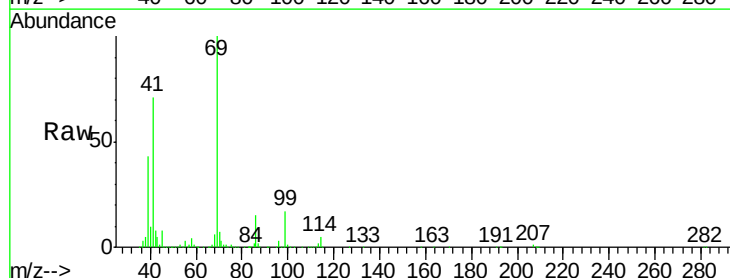


Abundance Ion 96.90 (96.60 to 97.60): VW  
 Ion 82.90 (82.60 to 83.60): VW  
 Ion 84.90 (84.60 to 85.60): VW  
 Ion 98.90 (98.60 to 99.60): VW

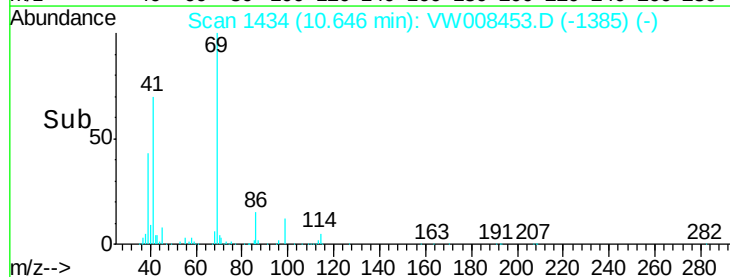
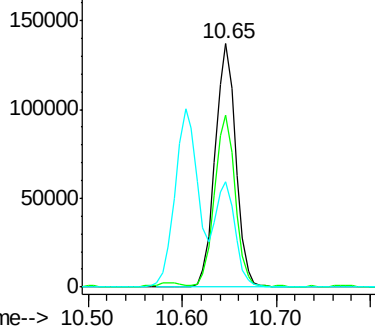


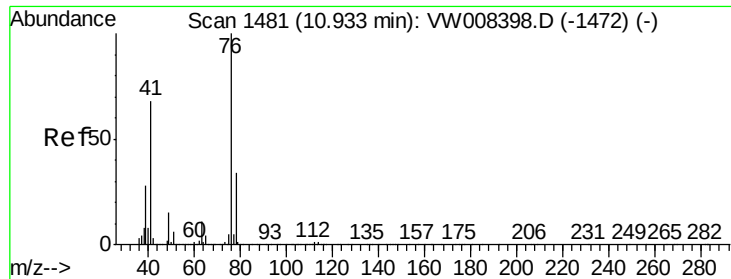
#56  
 Ethyl methacrylate  
 Concen: 52.660 ug/l  
 RT: 10.65 min Scan# 1434  
 Delta R.T. 0.00 min  
 Lab File: VW008453.D  
 Acq: 29 Jan 2019 16:39

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 211634 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 69.9  | 58.7  | 88.1   |
| 39       | 40.4  | 32.6  | 48.8   |



Abundance Ion 69.00 (68.70 to 69.70): VW  
 Ion 41.00 (40.70 to 41.70): VW  
 Ion 39.00 (38.70 to 39.70): VW





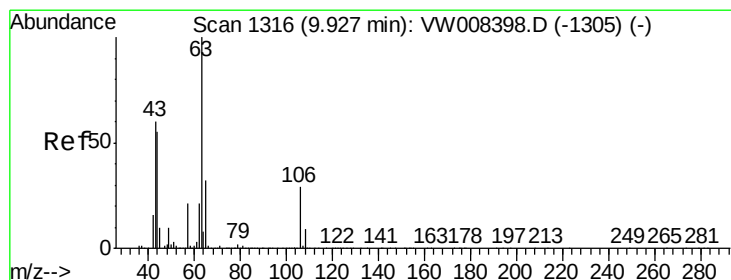
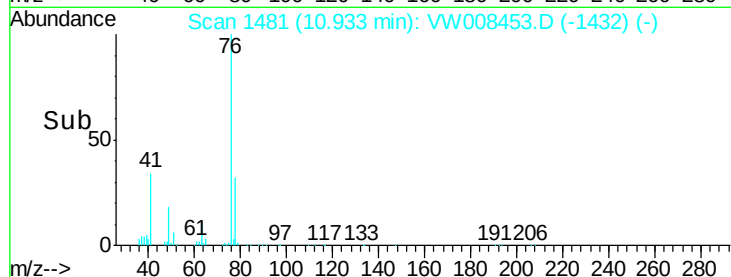
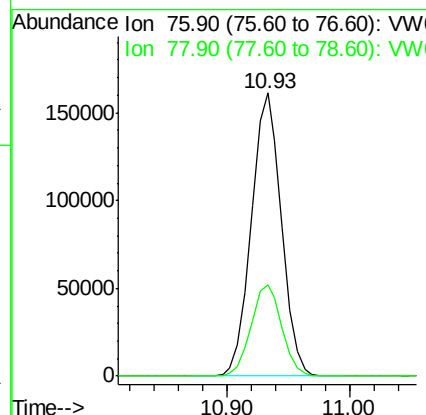
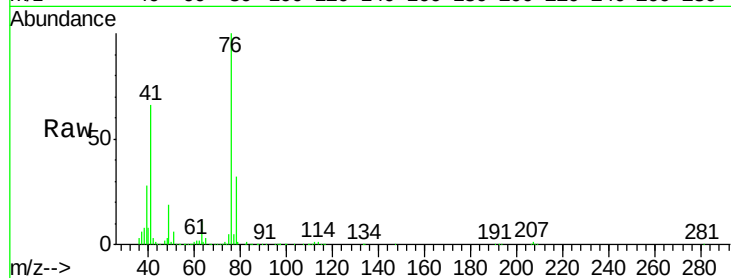
#57  
 1,3-Dichloropropane  
 Concen: 53.494 ug/l  
 RT: 10.93 min Scan# 1481  
 Delta R.T. 0.00 min  
 Lab File: VW008453.D  
 Acq: 29 Jan 2019 16:39

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.9  | 25.8  | 38.8  |

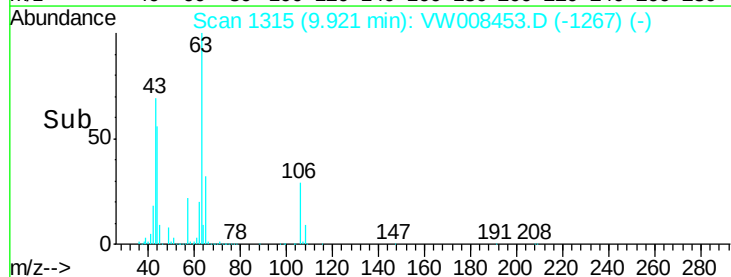
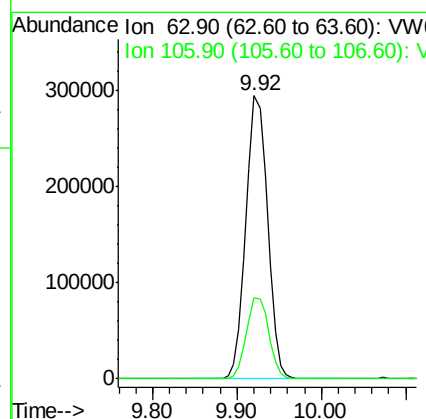
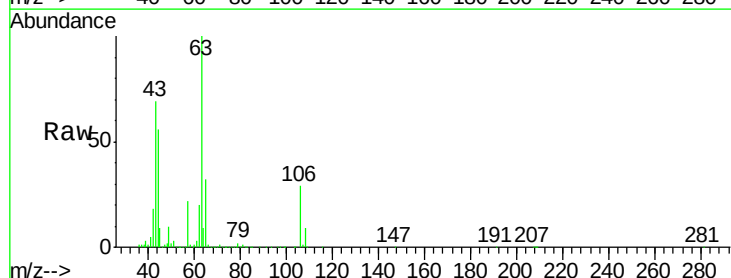
Manual Integrations  
 APPROVED

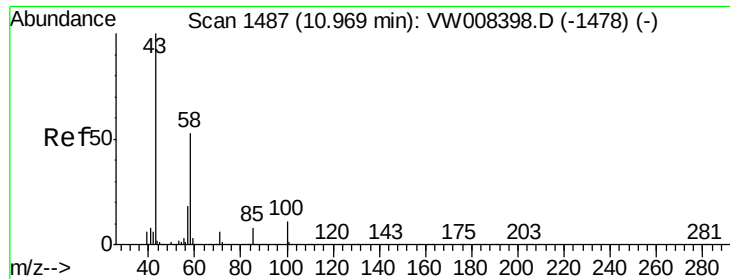
MMDadoda  
 1/30/2019 9:39:50 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 260.322 ug/l  
 RT: 9.92 min Scan# 1315  
 Delta R.T. -0.01 min  
 Lab File: VW008453.D  
 Acq: 29 Jan 2019 16:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 29.4  | 22.4  | 33.6  |





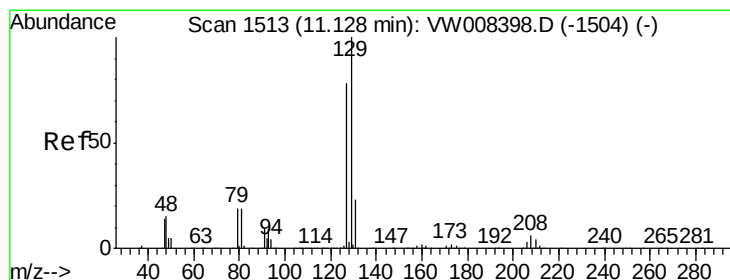
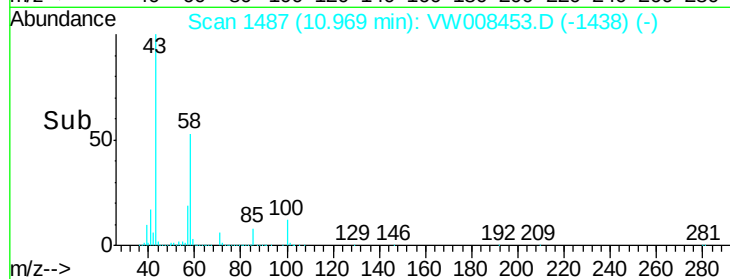
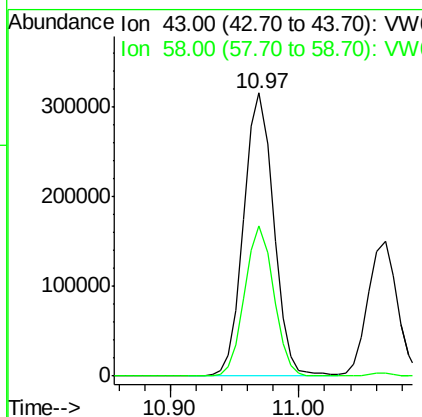
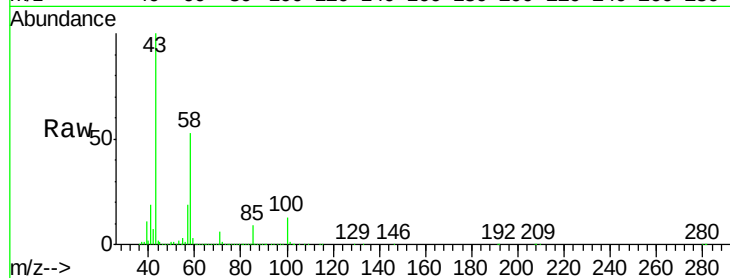
#59  
2-Hexanone  
Concen: 272.443 ug/l  
RT: 10.97 min Scan# 1487  
Delta R.T. 0.00 min  
Lab File: VW008453.D  
Acq: 29 Jan 2019 16:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 507487  
Ion Ratio Lower Upper  
43 100  
58 51.6 25.9 77.7

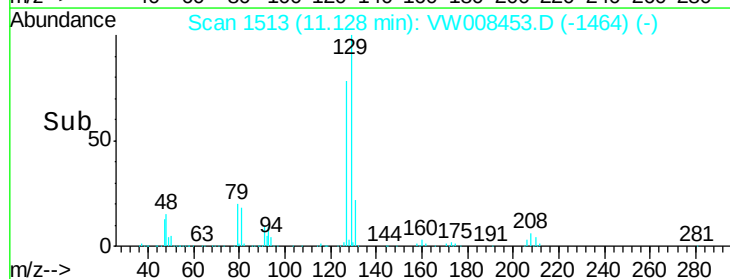
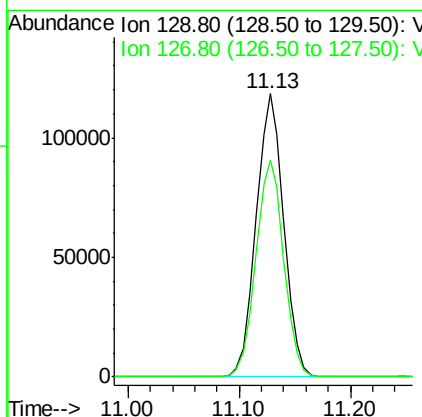
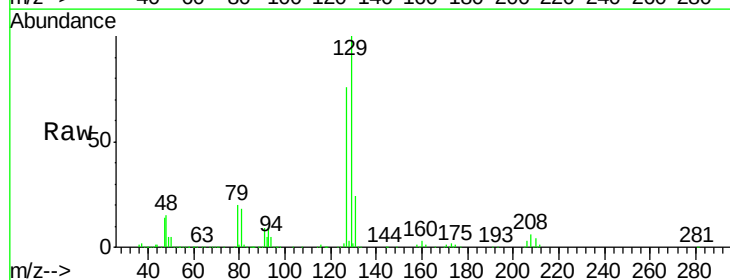
Manual Integrations  
APPROVED

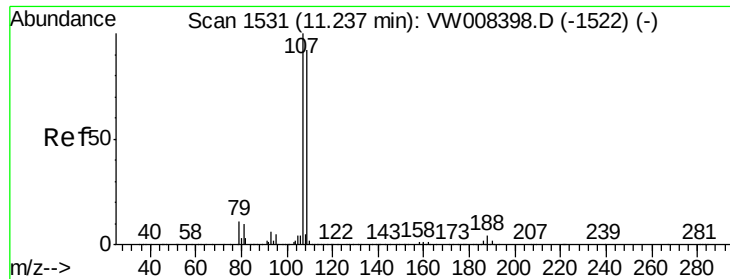
MMDadoda  
1/30/2019 9:39:50 AM



#60  
Dibromochloromethane  
Concen: 55.497 ug/l  
RT: 11.13 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VW008453.D  
Acq: 29 Jan 2019 16:39

Tgt Ion: 129 Resp: 204550  
Ion Ratio Lower Upper  
129 100  
127 77.1 39.1 117.2





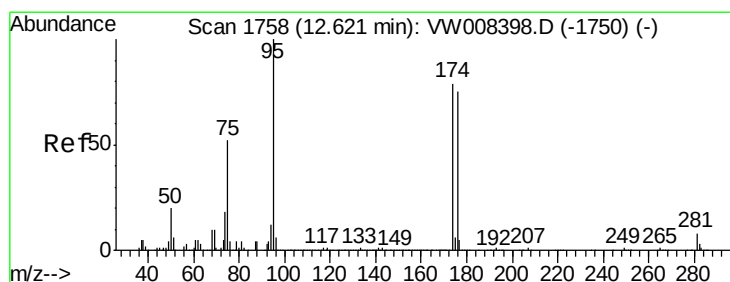
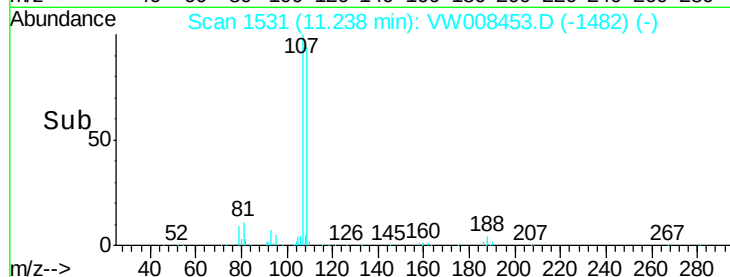
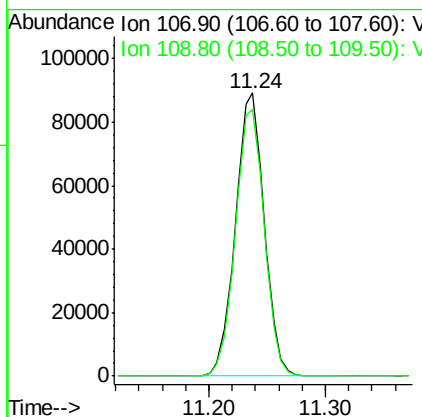
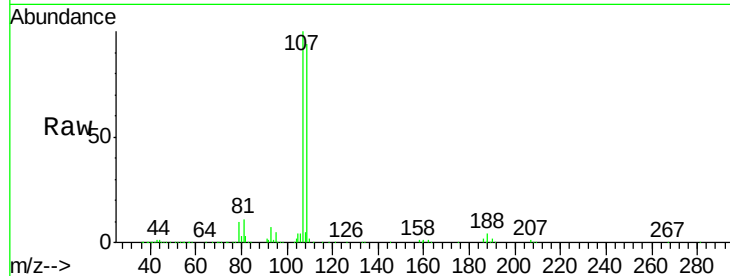
#61  
 1,2-Dibromoethane  
 Concen: 54.023 ug/l  
 RT: 11.24 min Scan# 1531  
 Delta R.T. 0.00 min  
 Lab File: VW008453.D  
 Acq: 29 Jan 2019 16:39

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 107 Resp: 153635  
 Ion Ratio Lower Upper  
 107 100  
 109 94.9 75.0 112.4

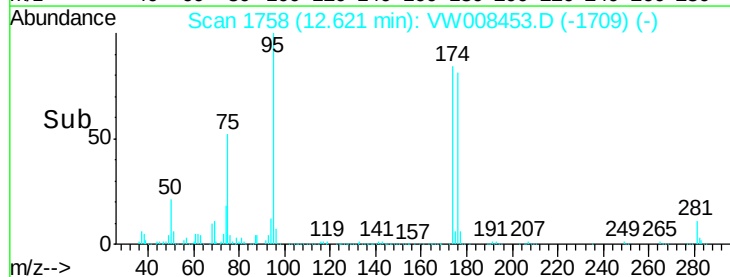
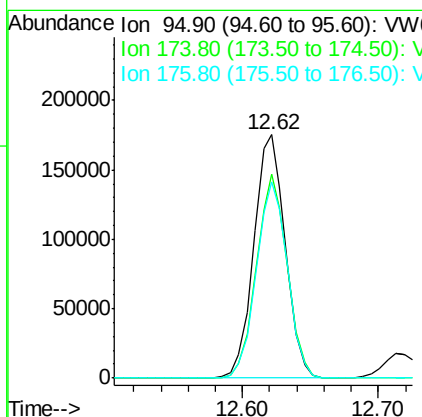
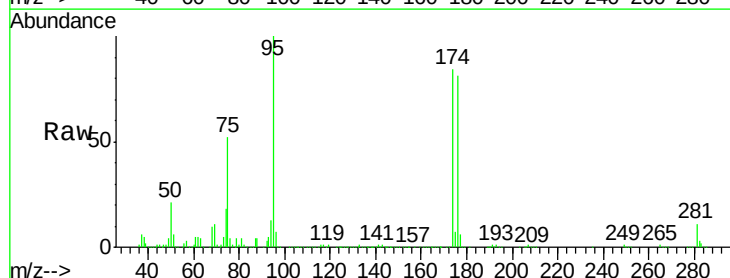
Manual Integrations  
 APPROVED

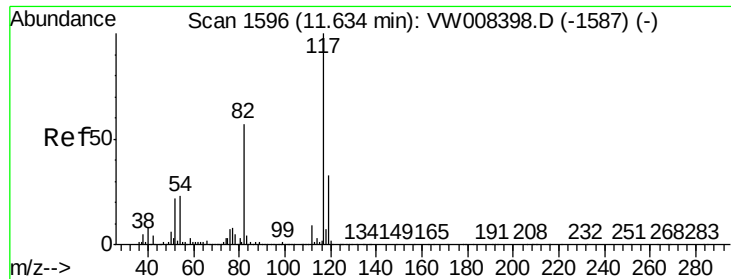
MMDadoda  
 1/30/2019 9:39:50 AM



#62  
 4-Bromofluorobenzene  
 Concen: 51.080 ug/l  
 RT: 12.62 min Scan# 1758  
 Delta R.T. 0.00 min  
 Lab File: VW008453.D  
 Acq: 29 Jan 2019 16:39

Tgt Ion: 95 Resp: 283199  
 Ion Ratio Lower Upper  
 95 100  
 174 82.1 0.0 157.6  
 176 80.1 0.0 151.8





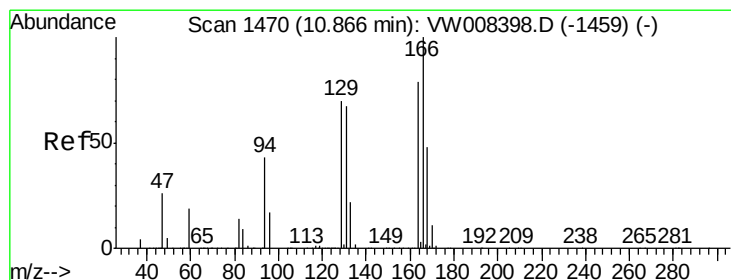
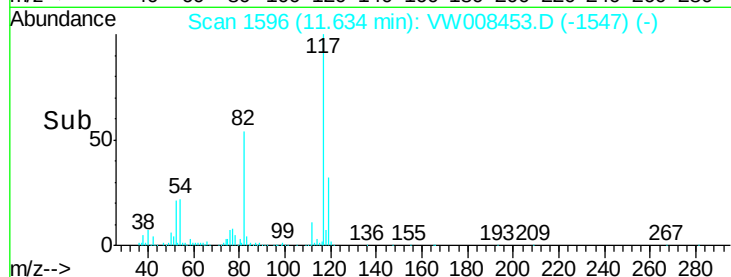
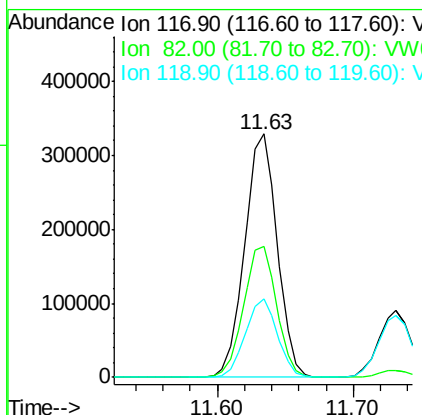
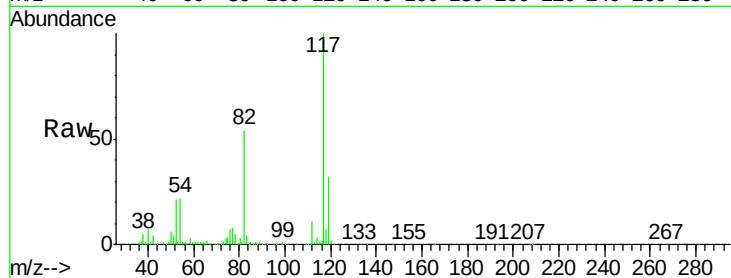
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW008453.D  
Acq: 29 Jan 2019 16:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 551031 |       |       |
| 82      | 53.9  |        | 45.4  | 68.0  |
| 119     | 32.1  |        | 26.2  | 39.4  |

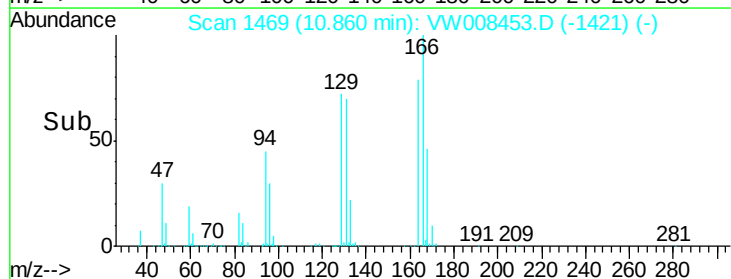
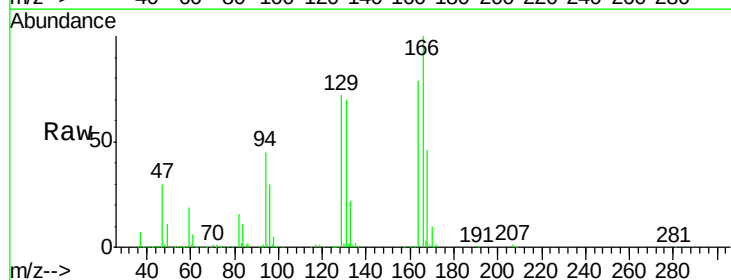
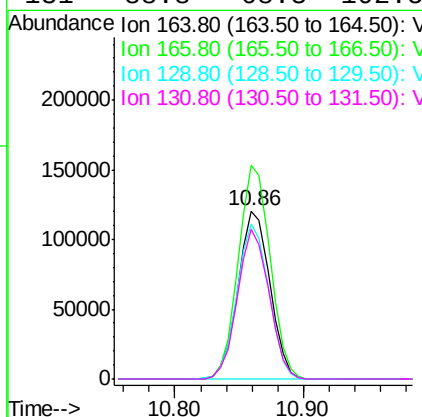
Manual Integrations  
APPROVED

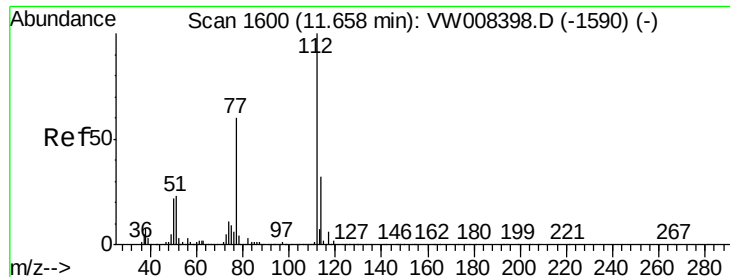
MMDadoda  
1/30/2019 9:39:50 AM



#64  
Tetrachloroethene  
Concen: 55.245 ug/l  
RT: 10.86 min Scan# 1469  
Delta R.T. -0.01 min  
Lab File: VW008453.D  
Acq: 29 Jan 2019 16:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 206111 |       |       |
| 166     | 127.0 |        | 101.4 | 152.0 |
| 129     | 91.9  |        | 71.0  | 106.6 |
| 131     | 88.8  |        | 68.3  | 102.5 |





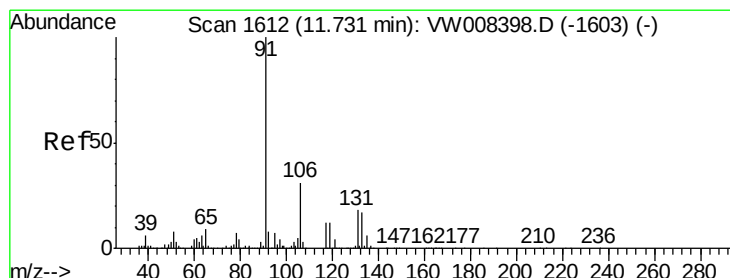
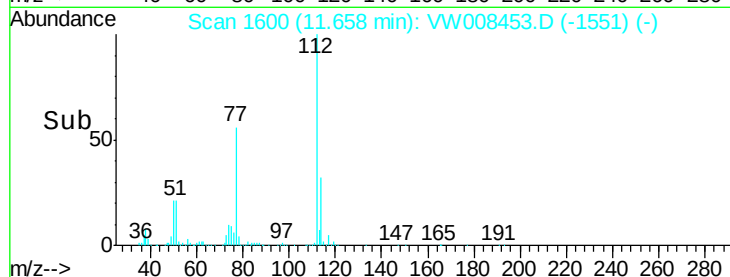
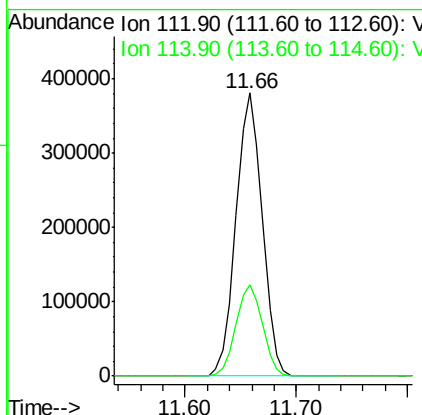
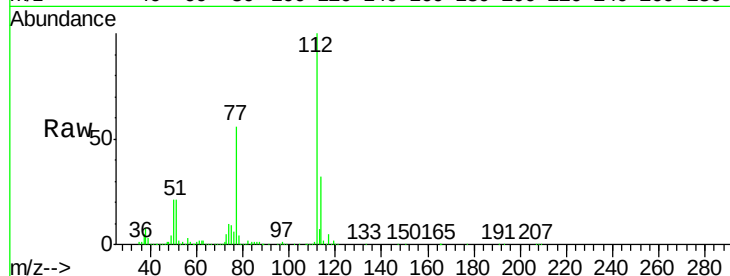
#65  
Chlorobenzene  
Concen: 55.147 ug/l  
RT: 11.66 min Scan# 1600  
Delta R.T. 0.00 min  
Lab File: VW008453.D  
Acq: 29 Jan 2019 16:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:112 Resp: 620324  
Ion Ratio Lower Upper  
112 100  
114 32.3 25.4 38.2

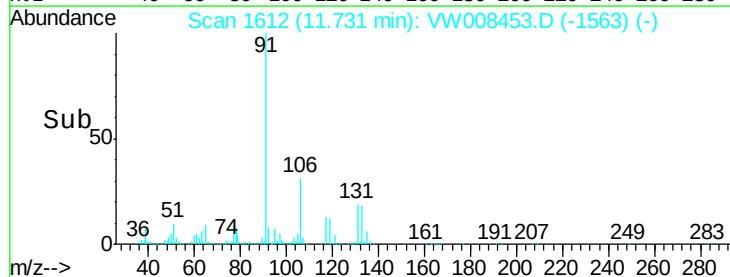
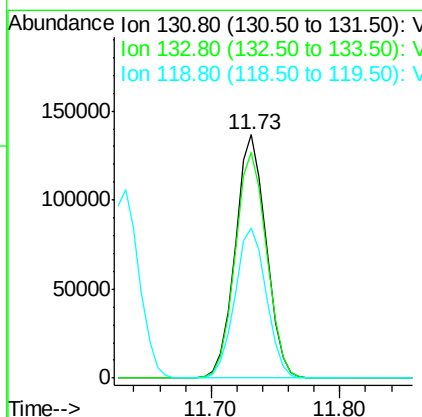
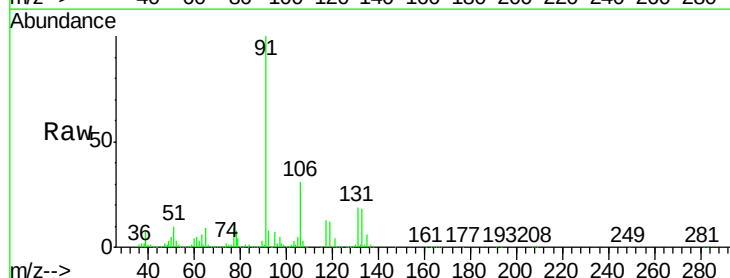
Manual Integrations  
APPROVED

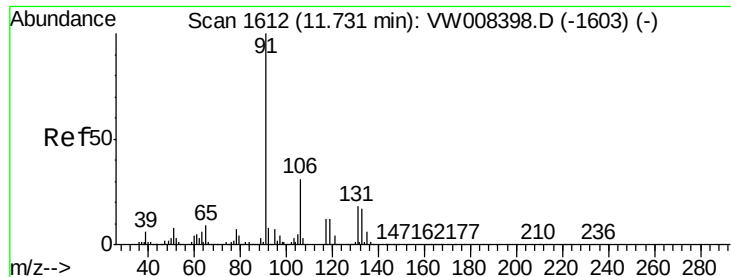
MMDadoda  
1/30/2019 9:39:50 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 56.250 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW008453.D  
Acq: 29 Jan 2019 16:39

Tgt Ion:131 Resp: 226380  
Ion Ratio Lower Upper  
131 100  
133 95.1 47.0 141.2  
119 62.9 32.1 96.3





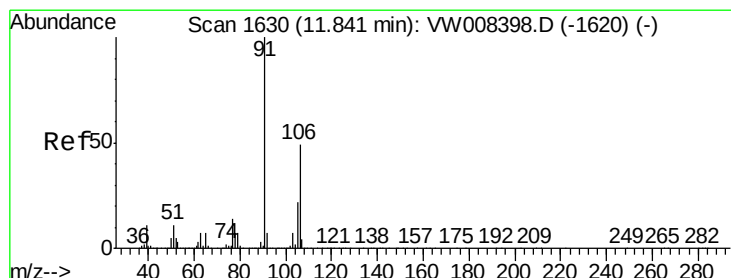
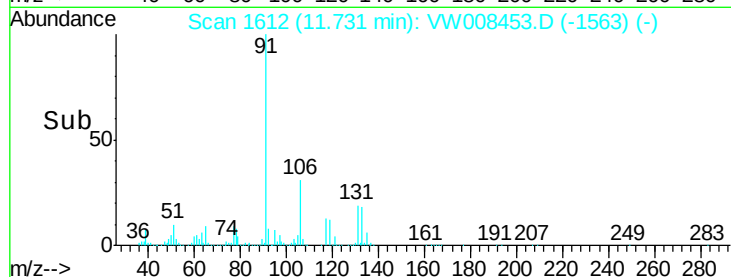
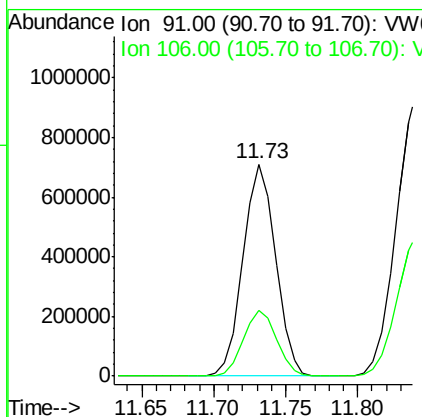
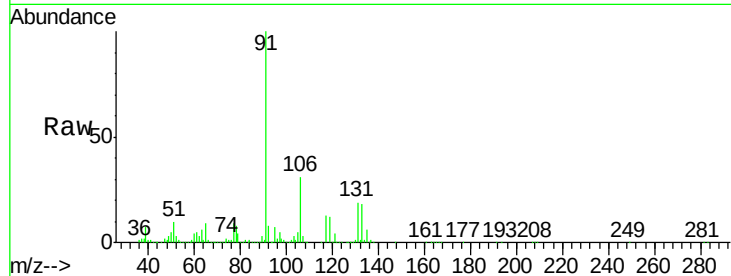
#67  
Ethyl Benzene  
Concen: 53.819 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW008453.D  
Acq: 29 Jan 2019 16:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 91 Resp: 1112802  
Ion Ratio Lower Upper  
91 100  
106 31.3 24.7 37.1

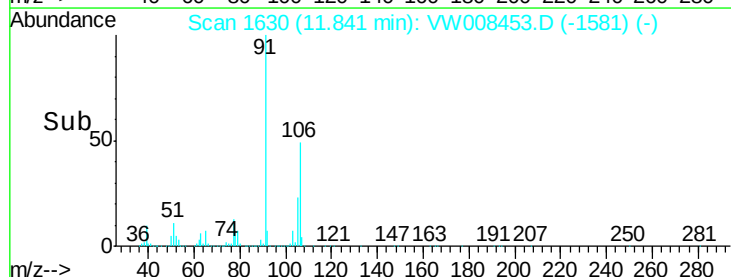
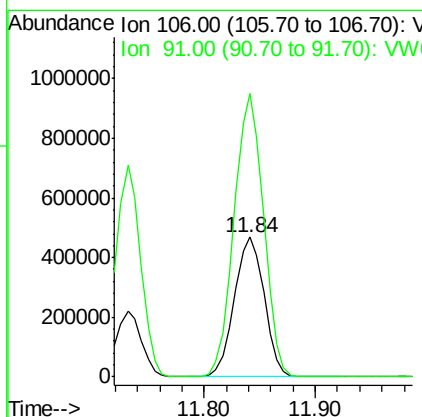
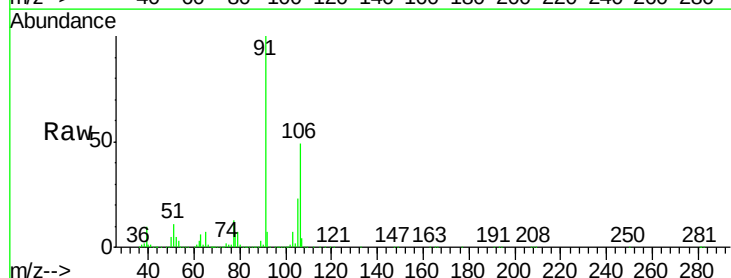
Manual Integrations  
APPROVED

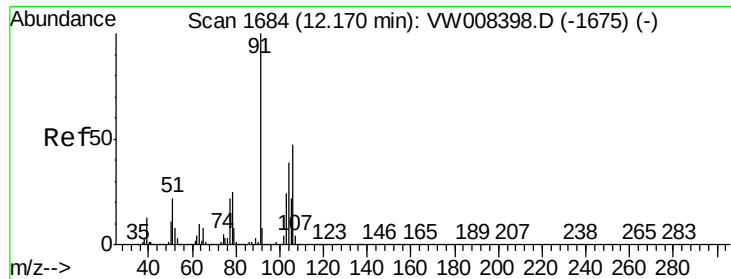
MMDadoda  
1/30/2019 9:39:50 AM



#68  
m/p-Xylenes  
Concen: 108.149 ug/l  
RT: 11.84 min Scan# 1630  
Delta R.T. 0.00 min  
Lab File: VW008453.D  
Acq: 29 Jan 2019 16:39

Tgt Ion: 106 Resp: 867618  
Ion Ratio Lower Upper  
106 100  
91 200.0 162.9 244.3





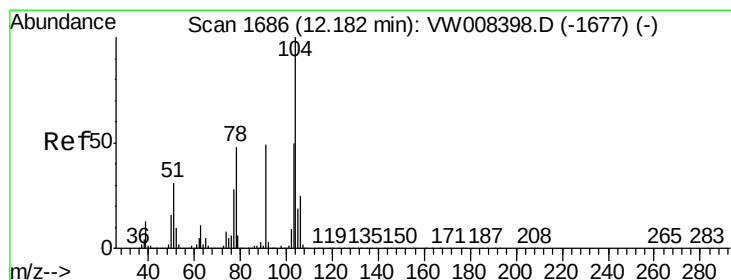
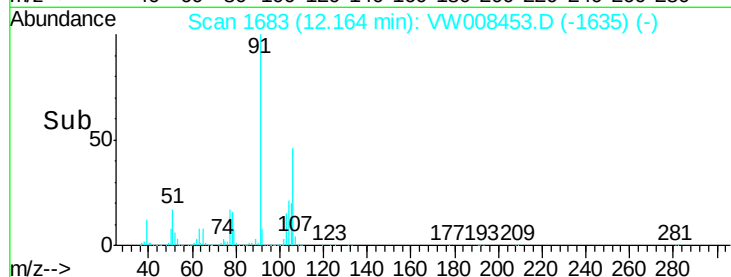
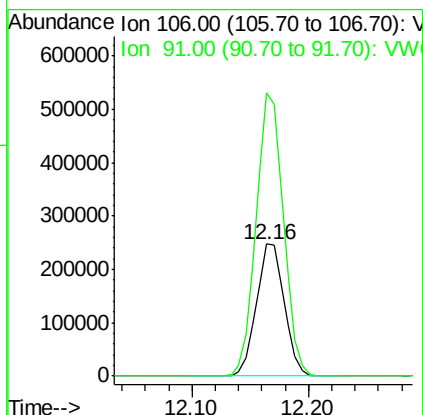
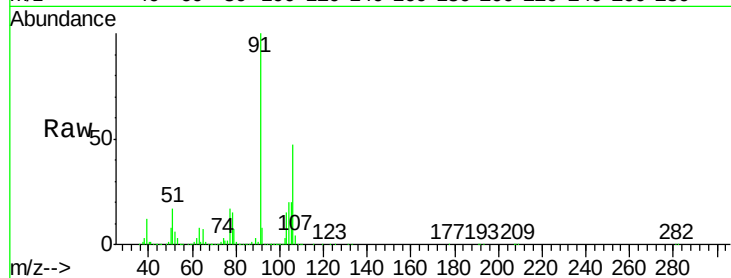
#69  
o-Xylene  
Concen: 54.336 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. -0.01 min  
Lab File: VW008453.D  
Acq: 29 Jan 2019 16:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 210.3 | 107.5 | 322.4 |

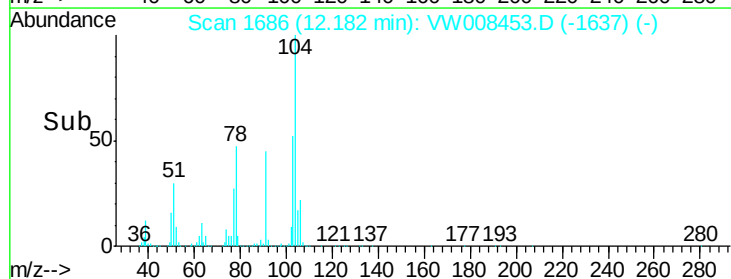
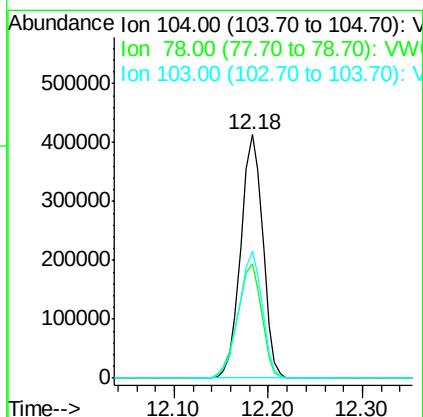
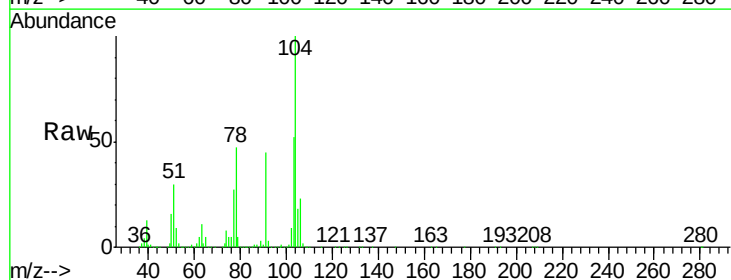
Manual Integrations  
APPROVED

MMDadoda  
1/30/2019 9:39:50 AM

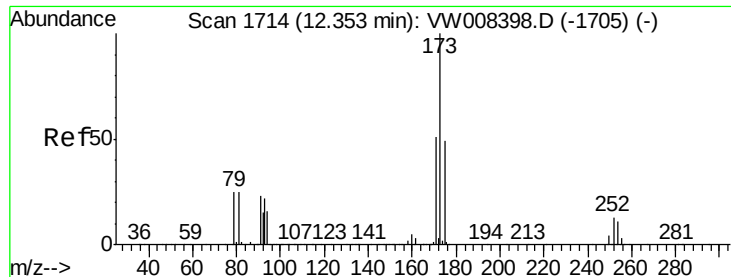


#70  
Styrene  
Concen: 53.734 ug/l  
RT: 12.18 min Scan# 1686  
Delta R.T. 0.00 min  
Lab File: VW008453.D  
Acq: 29 Jan 2019 16:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 51.4  | 42.4  | 63.6  |
| 103     | 54.9  | 43.4  | 65.0  |







#71

Bromoform

Concen: 55.532 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Instrument :

MSVOA\_W

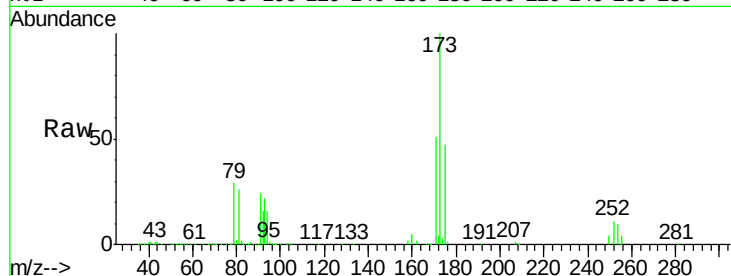
ClientSampleId :

VSTDCCC050EC

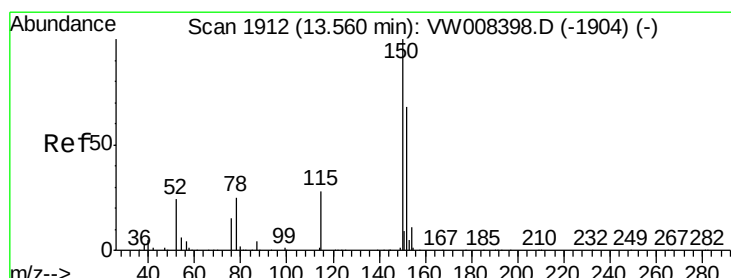
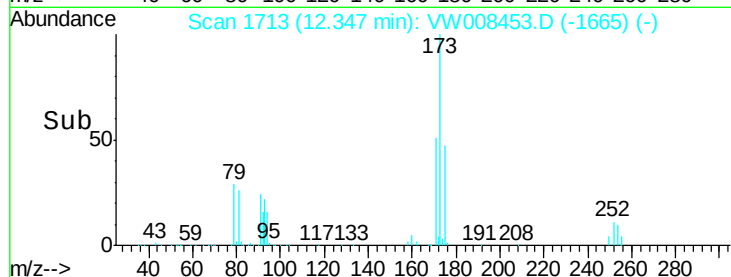
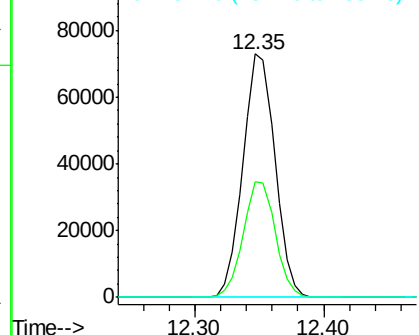
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 173   | Resp: | 125743 |
| Ion Ratio | Lower | Upper |        |
| 173       | 100   |       |        |
| 175       | 47.6  | 24.4  | 73.4   |
| 254       | 0.2   | 0.2   | 0.2    |

Manual Integrations  
APPROVED

MMDadoda  
1/30/2019 9:39:50 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

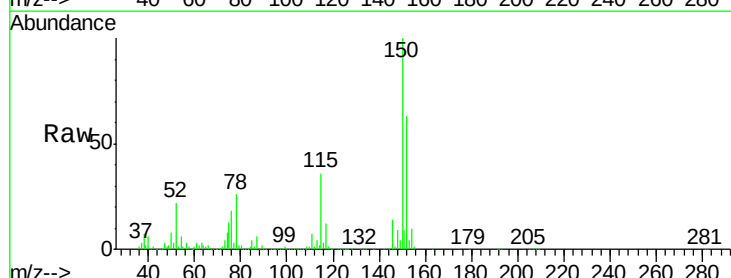
RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

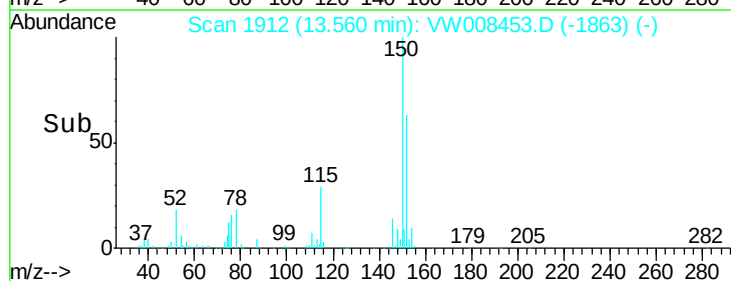
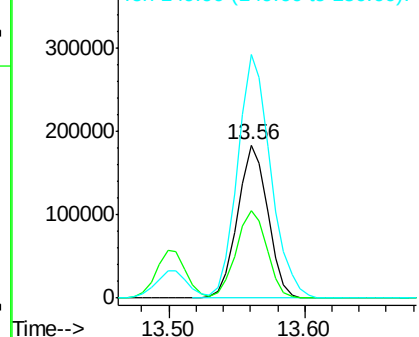
Lab File: VW008453.D

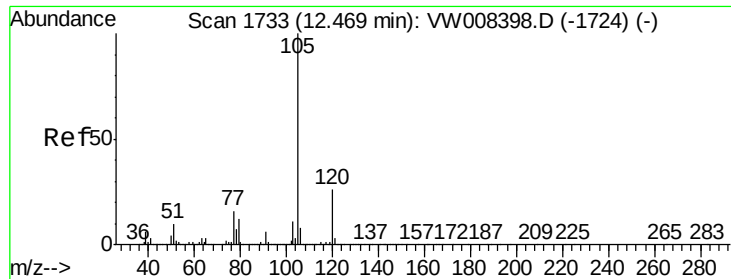
Acq: 29 Jan 2019 16:39

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 283799 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 57.8  | 29.9  | 89.7   |
| 150       | 174.1 | 0.0   | 351.4  |



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





#73

Isopropylbenzene

Concen: 54.756 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1158509

Ion Ratio Lower Upper

105 100

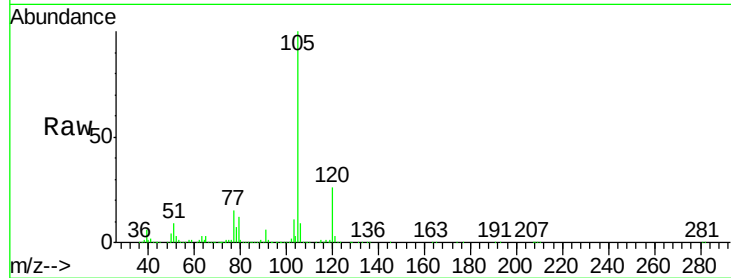
120 26.4 13.3 39.8

Manual Integrations

APPROVED

MMDadoda

1/30/2019 9:39:50 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

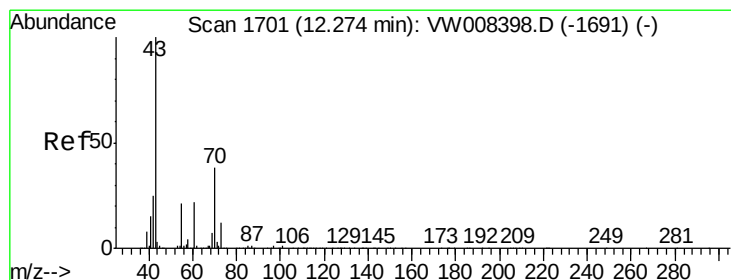
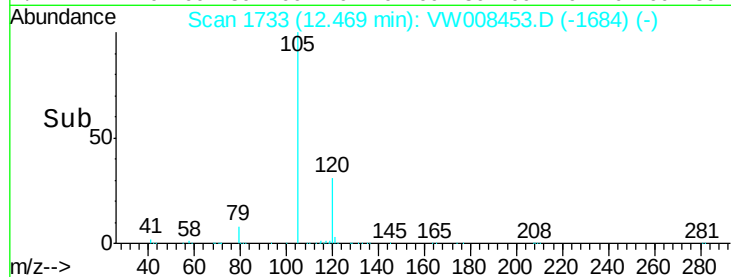
400000

200000

0

12.40 12.47 12.50

Time-->



#74

N-ethyl acetate

Concen: 50.672 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Tgt Ion: 43 Resp: 276193

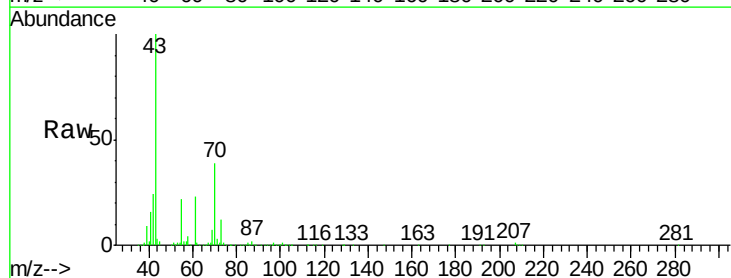
Ion Ratio Lower Upper

43 100

70 40.1 31.0 46.6

55 22.1 17.4 26.2

61 23.1 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

300000

250000

200000

150000

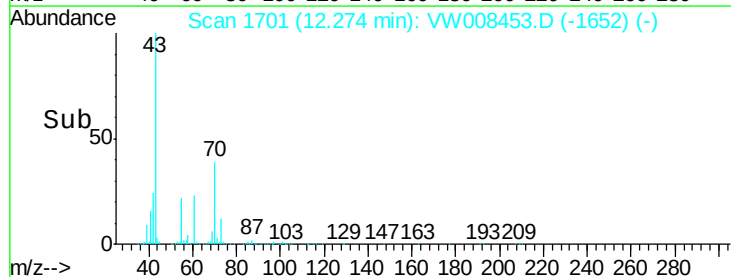
100000

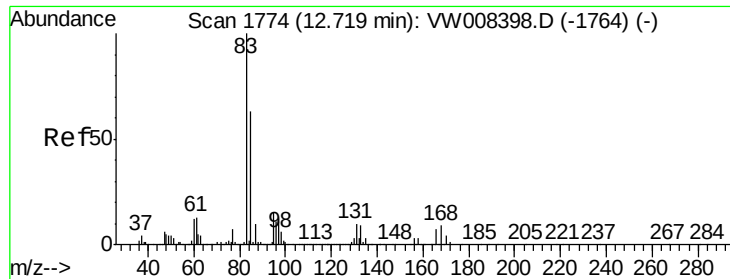
50000

0

12.20 12.27 12.30 12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 53.484 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Instrument :

MSVOA\_W

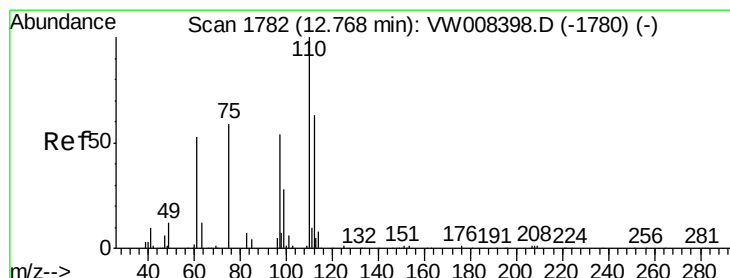
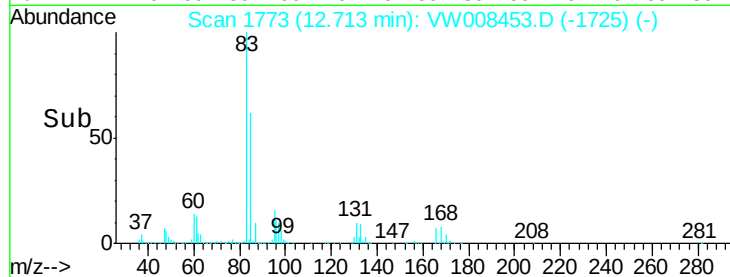
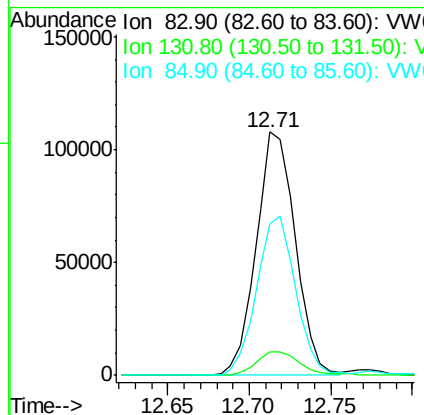
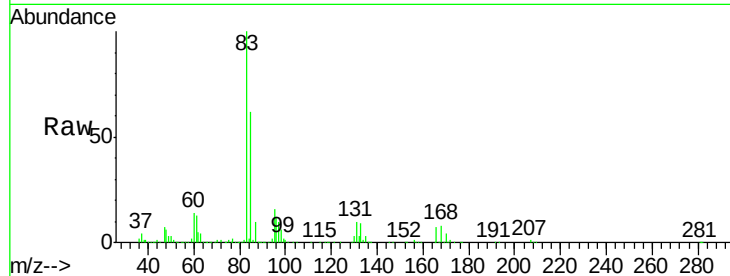
ClientSampleId :

VSTDCCC050EC

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 83   | Resp: | 179155 |
| Ion Ratio |      | Lower | Upper  |
| 83        | 100  |       |        |
| 131       | 11.2 | 5.5   | 16.4   |
| 85        | 65.6 | 31.9  | 95.5   |

Manual Integrations  
APPROVED

MMDadoda  
1/30/2019 9:39:50 AM



#76

1,2,3-Trichloropropane

Concen: 52.638 ug/l m

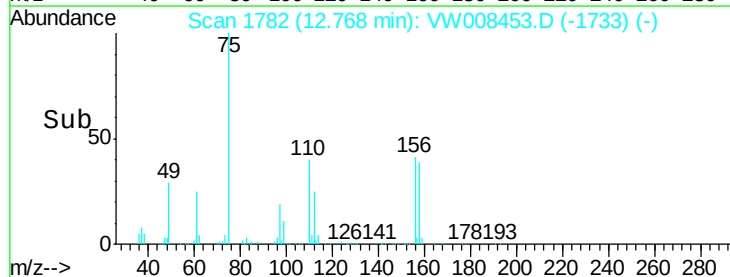
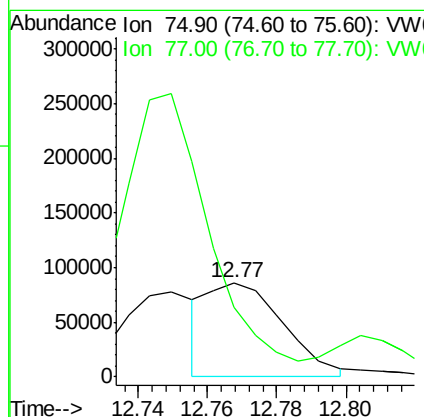
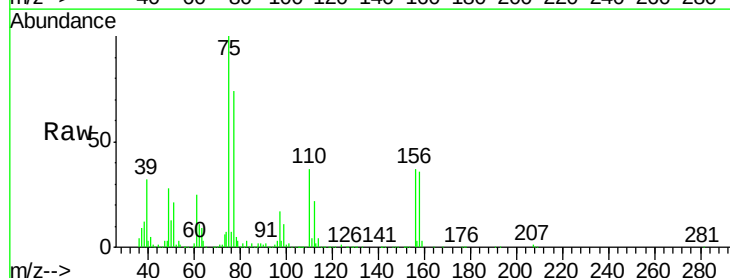
RT: 12.77 min Scan# 1782

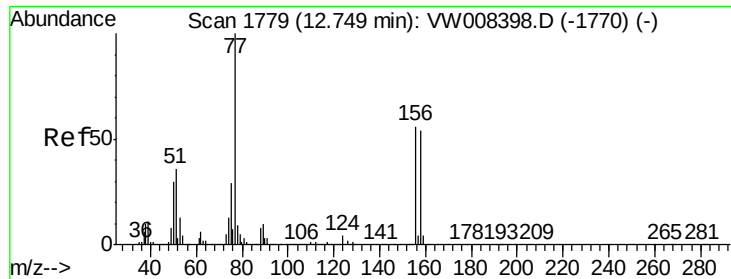
Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 129881 |
| Ion Ratio |       | Lower | Upper  |
| 75        | 100   |       |        |
| 77        | 362.1 | 180.7 | 542.1  |





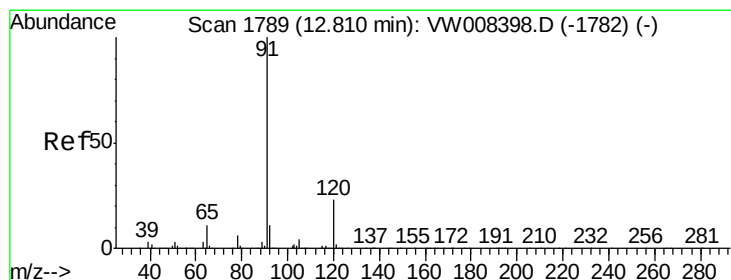
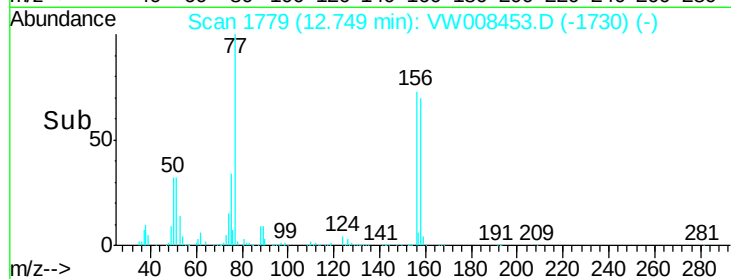
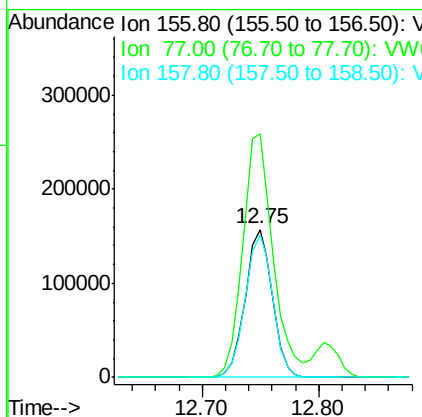
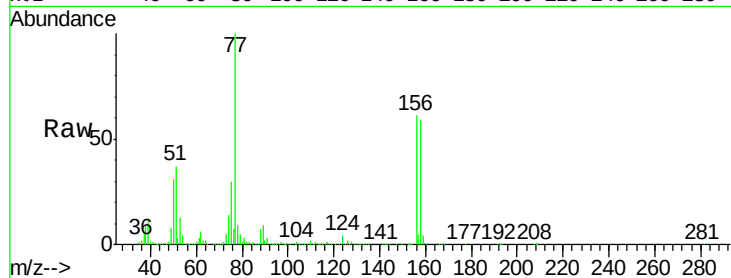
#77  
Bromobenzene  
Concen: 55.042 ug/l  
RT: 12.75 min Scan# 1779  
Delta R.T. 0.00 min  
Lab File: VW008453.D  
Acq: 29 Jan 2019 16:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 184.9 | 96.9  | 290.7 |
| 158     | 98.0  | 48.8  | 146.4 |

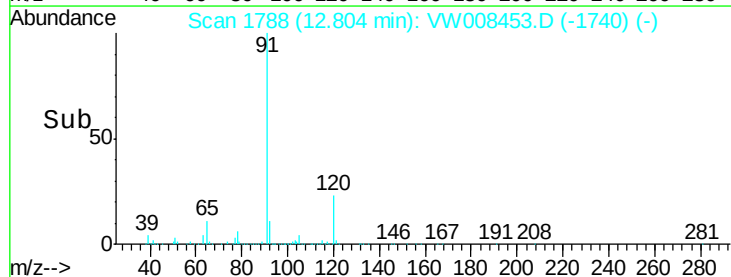
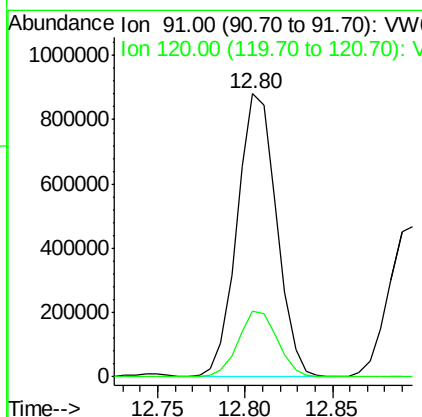
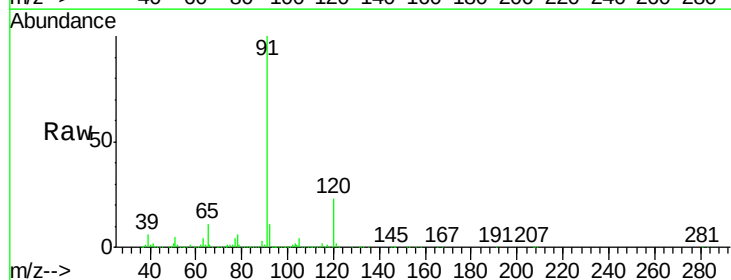
Manual Integrations  
APPROVED

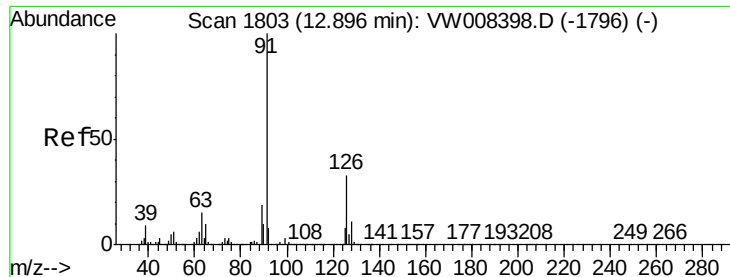
MMDadoda  
1/30/2019 9:39:50 AM



#78  
n-propylbenzene  
Concen: 54.141 ug/l  
RT: 12.80 min Scan# 1788  
Delta R.T. -0.01 min  
Lab File: VW008453.D  
Acq: 29 Jan 2019 16:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 23.2  | 11.4  | 34.1  |





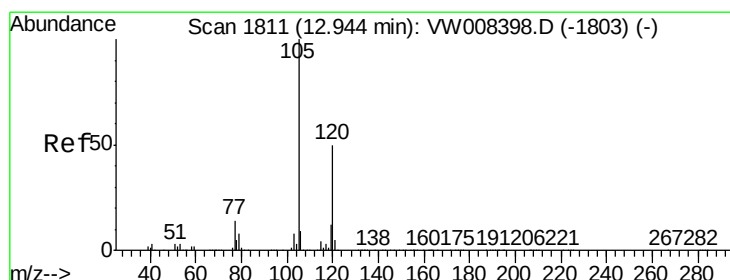
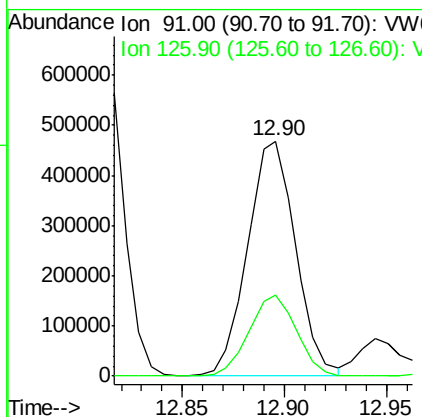
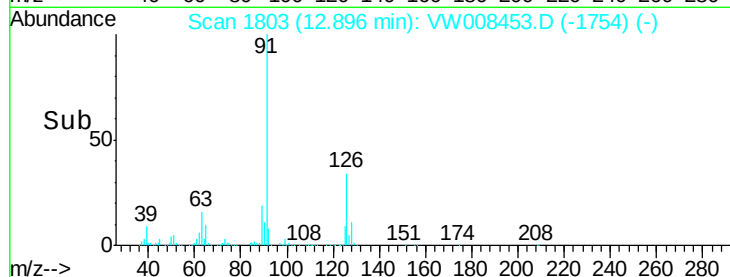
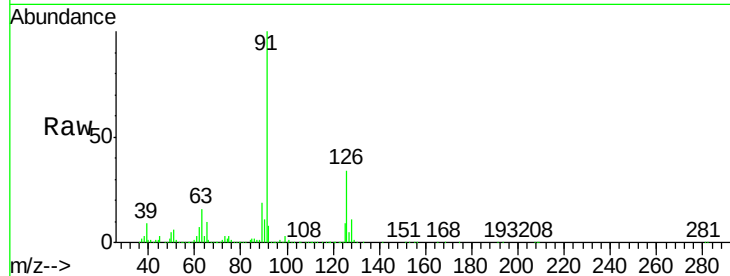
#79  
2-Chlorotoluene  
Concen: 53.506 ug/l  
RT: 12.90 min Scan# 1803  
Delta R.T. 0.00 min  
Lab File: VW008453.D  
Acq: 29 Jan 2019 16:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 91 Resp: 767268  
Ion Ratio Lower Upper  
91 100  
126 34.1 16.5 49.5

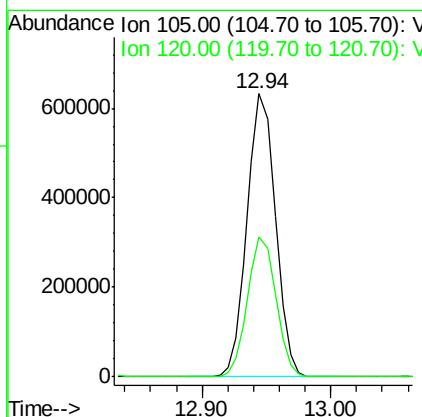
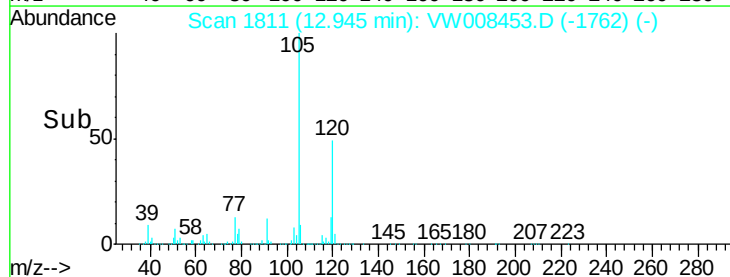
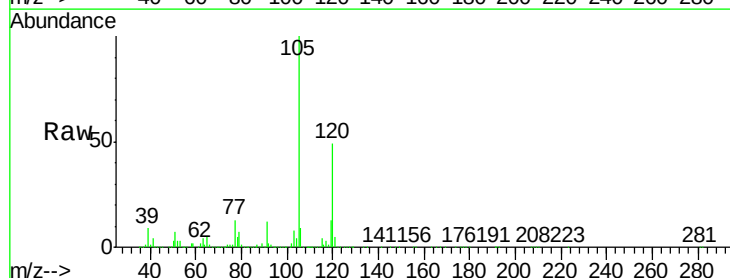
Manual Integrations  
APPROVED

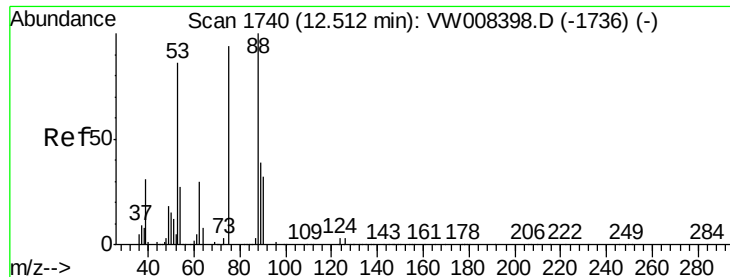
MMDadoda  
1/30/2019 9:39:50 AM



#80  
1,3,5-Trimethylbenzene  
Concen: 54.402 ug/l  
RT: 12.94 min Scan# 1811  
Delta R.T. 0.00 min  
Lab File: VW008453.D  
Acq: 29 Jan 2019 16:39

Tgt Ion: 105 Resp: 962057  
Ion Ratio Lower Upper  
105 100  
120 49.6 24.6 73.8





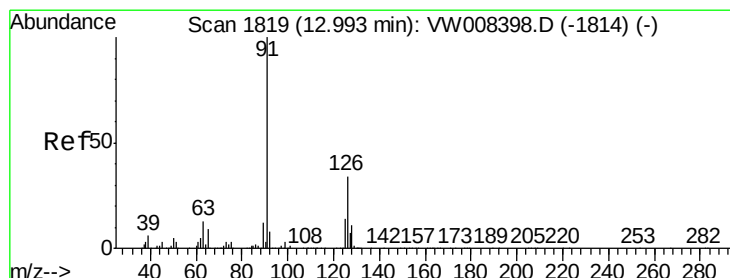
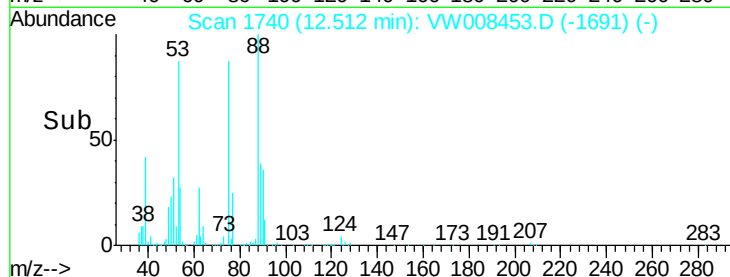
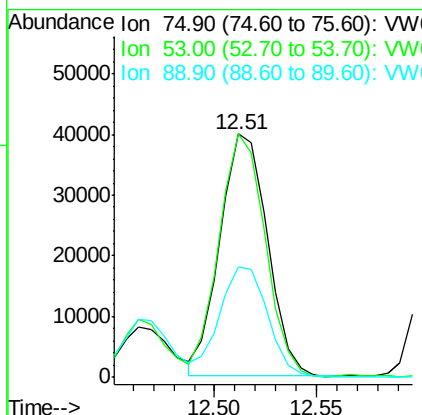
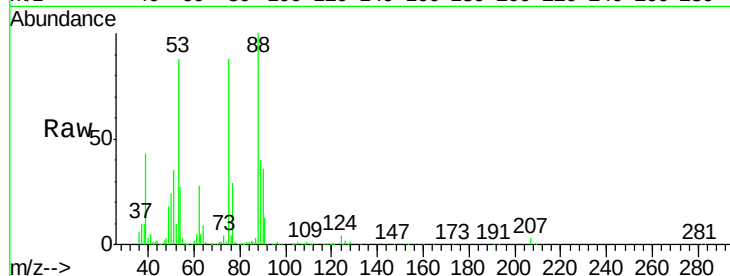
#81  
trans-1,4-Dichloro-2-butene  
Concen: 51.614 ug/l  
RT: 12.51 min Scan# 1740  
Delta R.T. 0.00 min  
Lab File: VW008453.D  
Acq: 29 Jan 2019 16:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 96.8  | 76.0  | 114.0 |
| 89      | 46.5  | 35.4  | 53.0  |

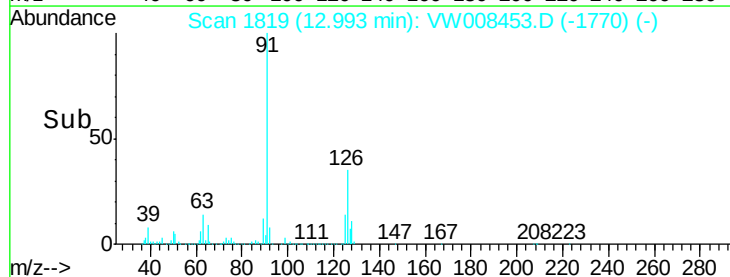
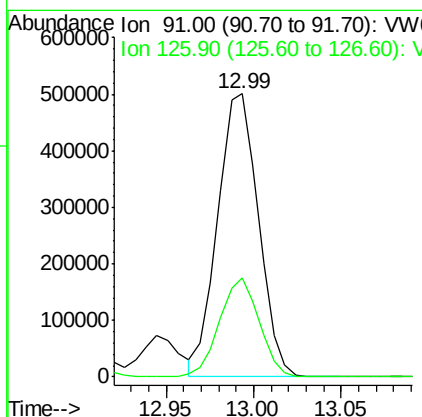
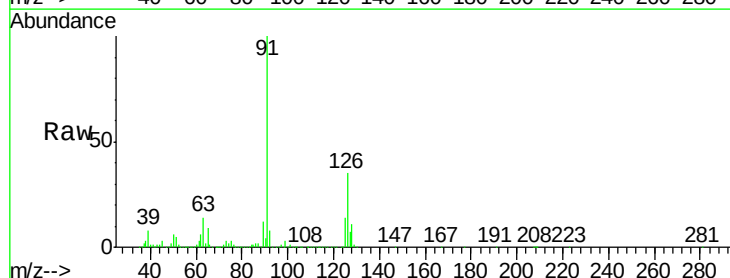
Manual Integrations  
APPROVED

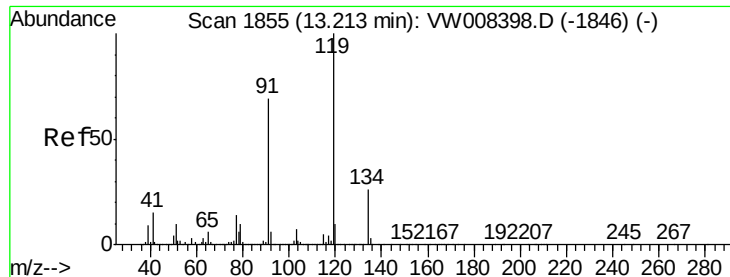
MMDadoda  
1/30/2019 9:39:50 AM



#82  
4-Chlorotoluene  
Concen: 53.137 ug/l  
RT: 12.99 min Scan# 1819  
Delta R.T. 0.00 min  
Lab File: VW008453.D  
Acq: 29 Jan 2019 16:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 33.9  | 16.4  | 49.2  |





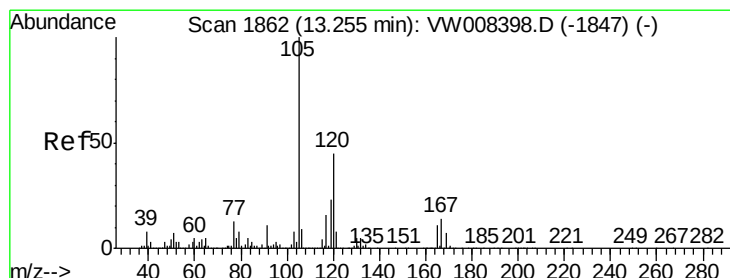
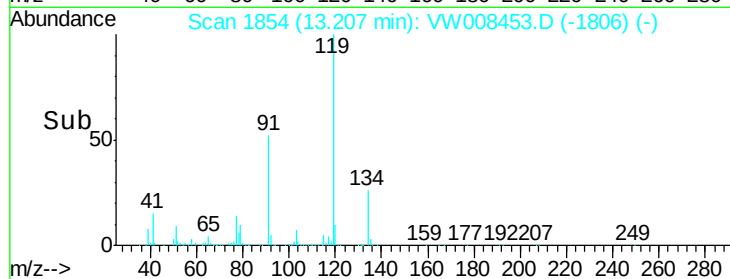
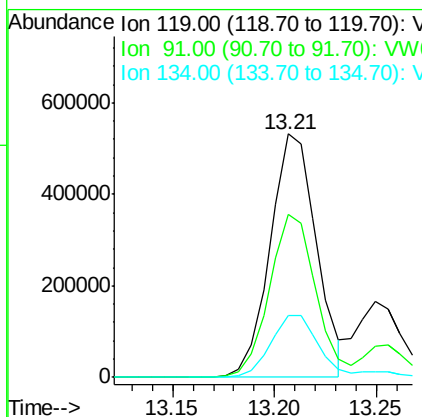
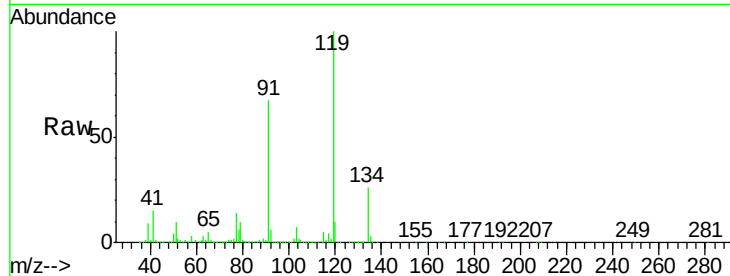
#83  
 tert-Butylbenzene  
 Concen: 53.586 ug/l  
 RT: 13.21 min Scan# 1854  
 Delta R.T. -0.01 min  
 Lab File: VW008453.D  
 Acq: 29 Jan 2019 16:39

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 67.0  | 33.8  | 101.4 |
| 134     | 27.9  | 13.5  | 40.4  |

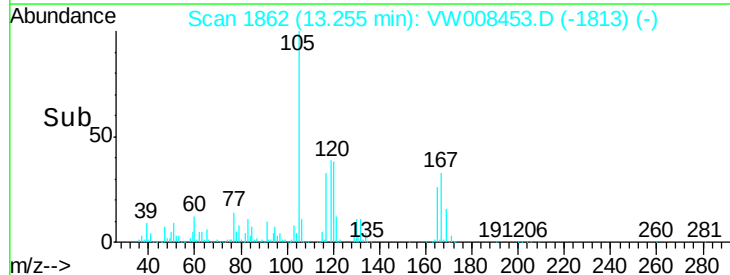
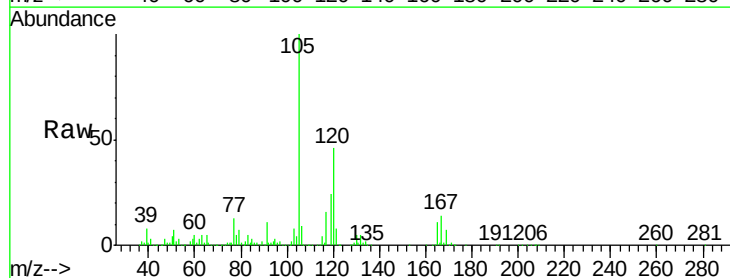
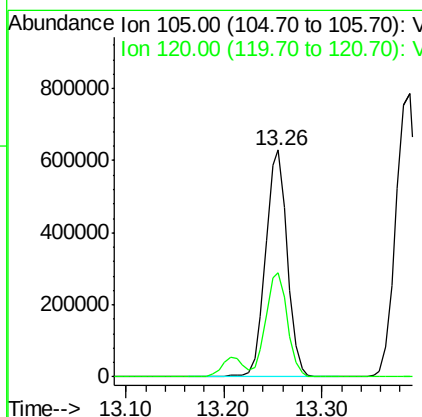
Manual Integrations  
 APPROVED

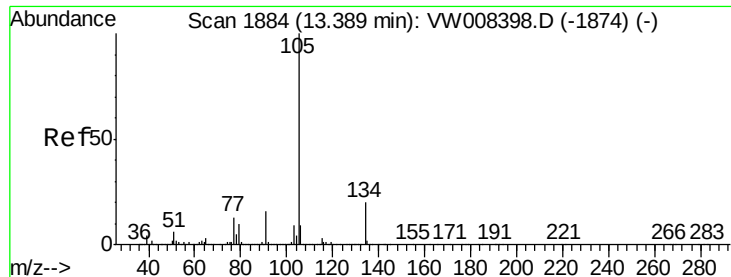
MMDadoda  
 1/30/2019 9:39:50 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 54.343 ug/l  
 RT: 13.26 min Scan# 1862  
 Delta R.T. 0.00 min  
 Lab File: VW008453.D  
 Acq: 29 Jan 2019 16:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 46.1  | 23.1  | 69.2  |





#85

sec-Butylbenzene

Concen: 54.722 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1229864

Ion Ratio Lower Upper

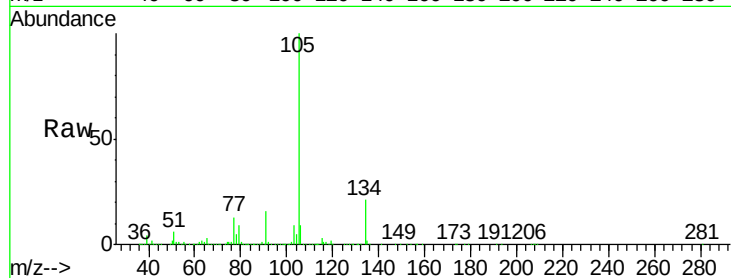
105 100

134 20.6 10.2 30.6

Manual Integrations  
APPROVED

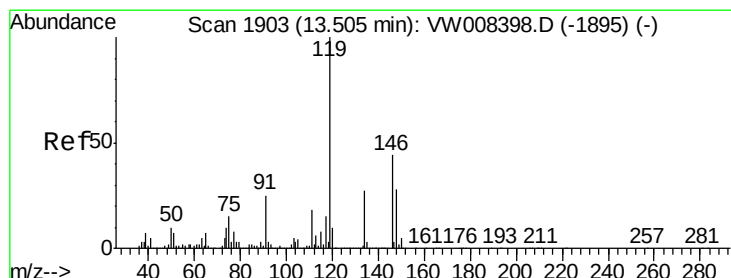
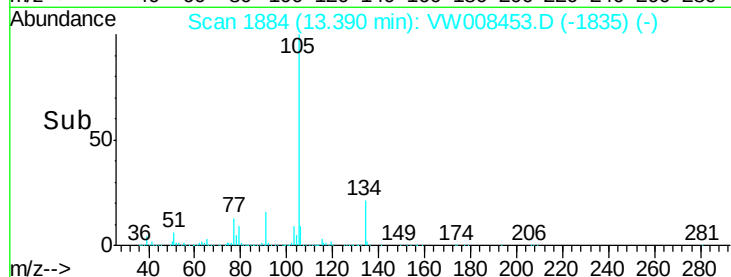
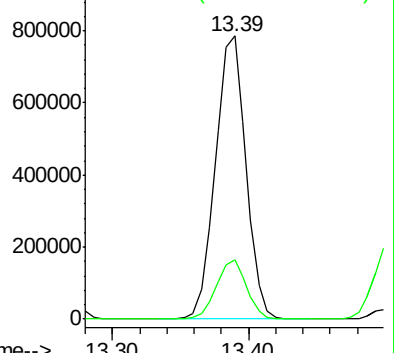
MMDadoda

1/30/2019 9:39:50 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.800 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

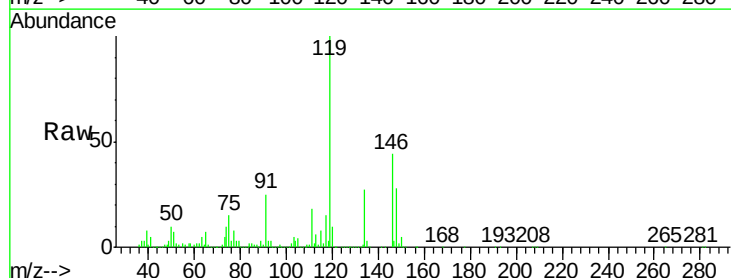
Tgt Ion:119 Resp: 1098510

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

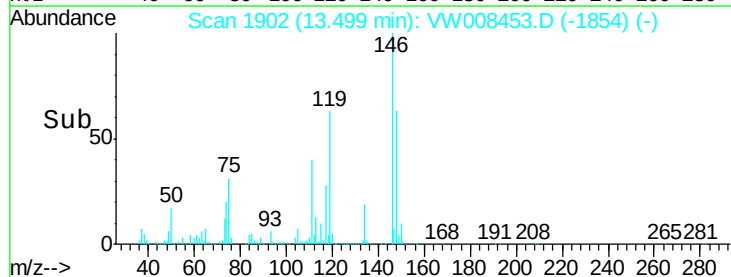
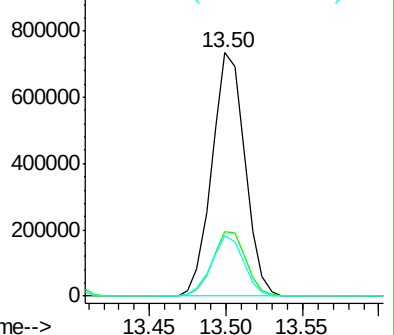
91 24.1 12.6 37.6



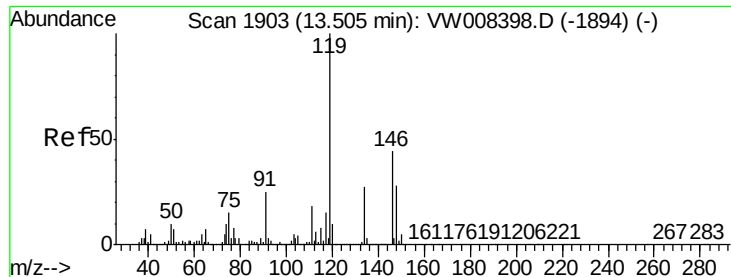
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V







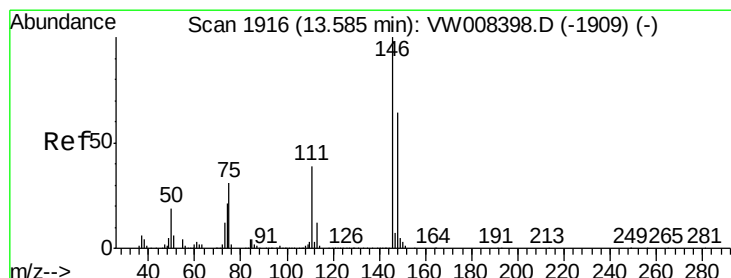
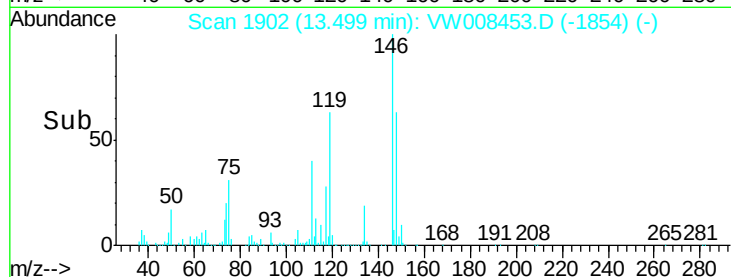
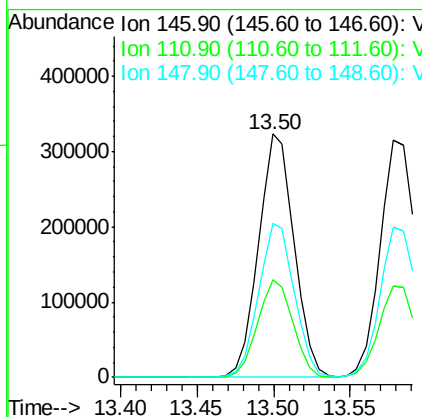
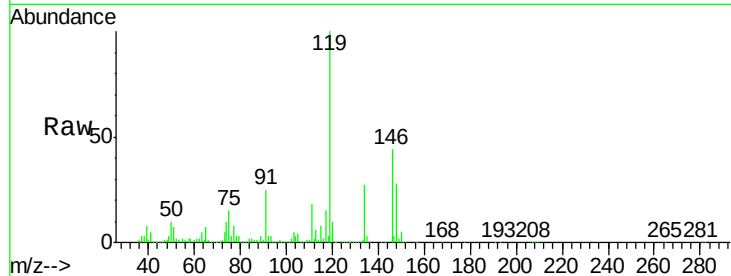
#87  
 1,3-Dichlorobenzene  
 Concen: 56.036 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. -0.01 min  
 Lab File: VW008453.D  
 Acq: 29 Jan 2019 16:39

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.0  | 20.3  | 60.9  |
| 148     | 63.5  | 31.9  | 95.7  |

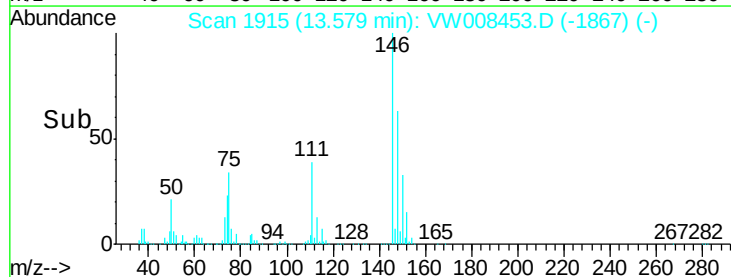
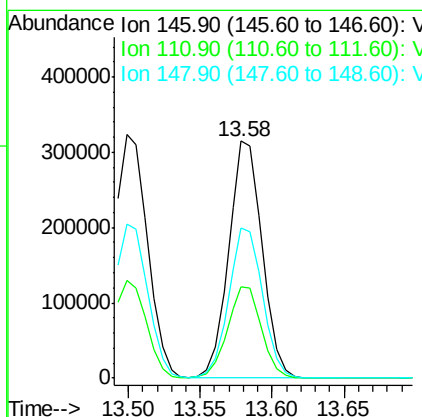
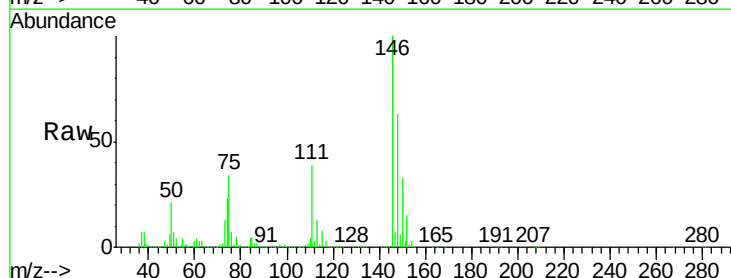
Manual Integrations  
 APPROVED

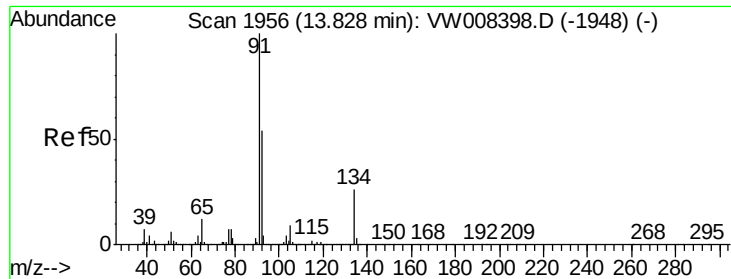
MMDadoda  
 1/30/2019 9:39:50 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 55.039 ug/l  
 RT: 13.58 min Scan# 1915  
 Delta R.T. -0.01 min  
 Lab File: VW008453.D  
 Acq: 29 Jan 2019 16:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.1  | 20.0  | 60.0  |
| 148     | 64.2  | 32.0  | 96.2  |





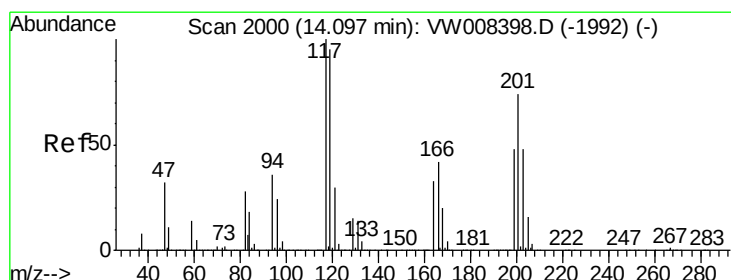
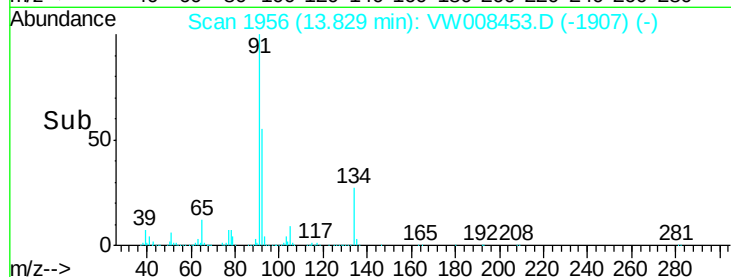
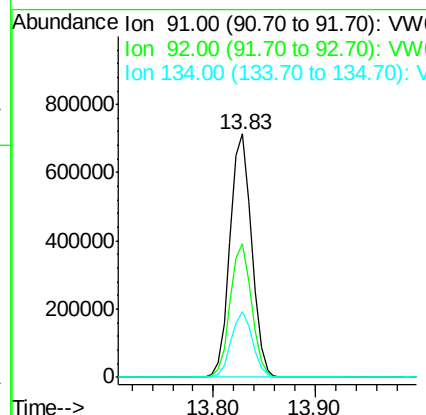
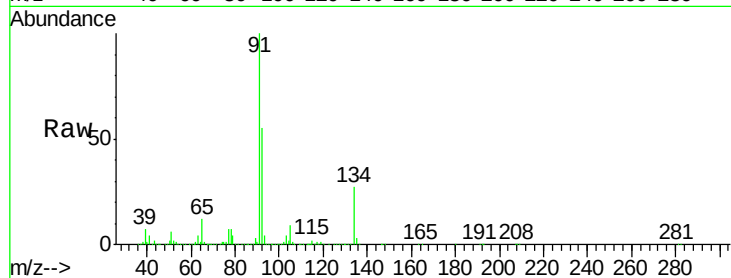
#89  
n-Butylbenzene  
Concen: 54.029 ug/l  
RT: 13.83 min Scan# 1956  
Delta R.T. 0.00 min  
Lab File: VW008453.D  
Acq: 29 Jan 2019 16:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 91 Resp: 1044357  
Ion Ratio Lower Upper  
91 100  
92 54.4 27.4 82.2  
134 26.8 13.0 39.0

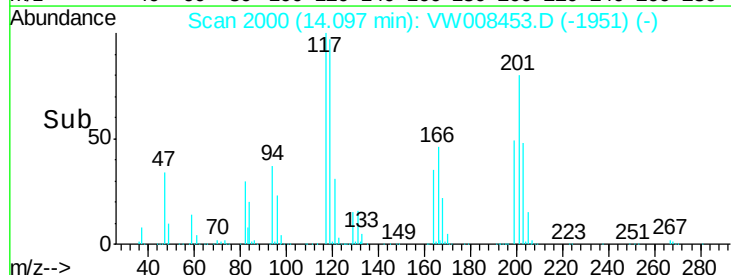
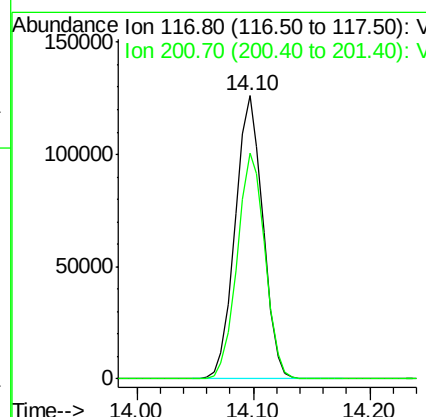
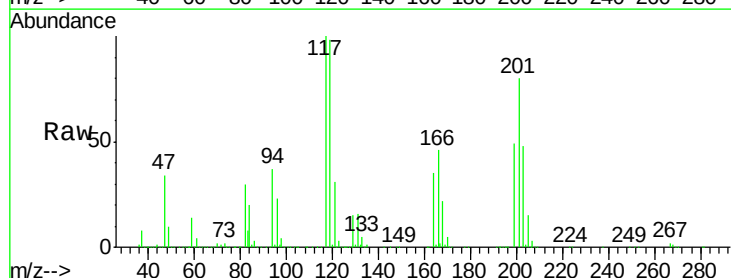
Manual Integrations  
APPROVED

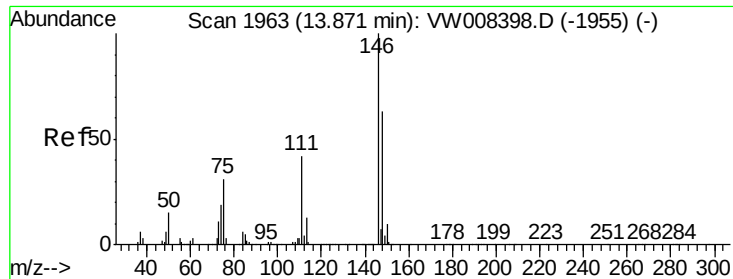
MMDadoda  
1/30/2019 9:39:50 AM



#90  
Hexachloroethane  
Concen: 54.190 ug/l  
RT: 14.10 min Scan# 2000  
Delta R.T. 0.00 min  
Lab File: VW008453.D  
Acq: 29 Jan 2019 16:39

Tgt Ion: 117 Resp: 208626  
Ion Ratio Lower Upper  
117 100  
201 80.1 39.1 117.5





#91

1,2-Dichlorobenzene

Concen: 55.563 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW008453.D

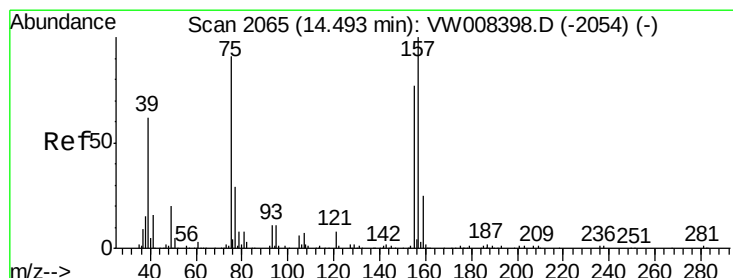
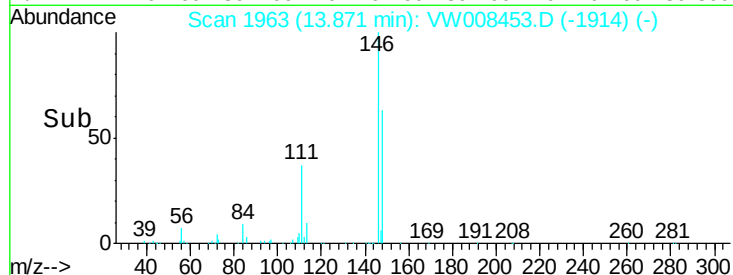
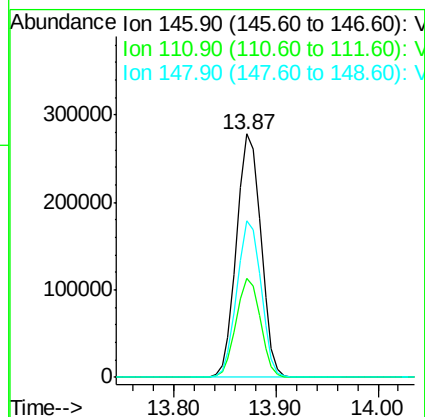
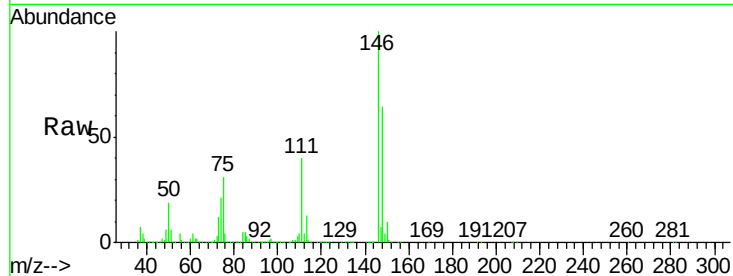
Acq: 29 Jan 2019 16:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 458781 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 40.4  | 21.1  | 63.3   |
| 148       | 63.8  | 31.9  | 95.5   |

Manual Integrations  
APPROVED

MMDadoda  
1/30/2019 9:39:50 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.240 ug/l

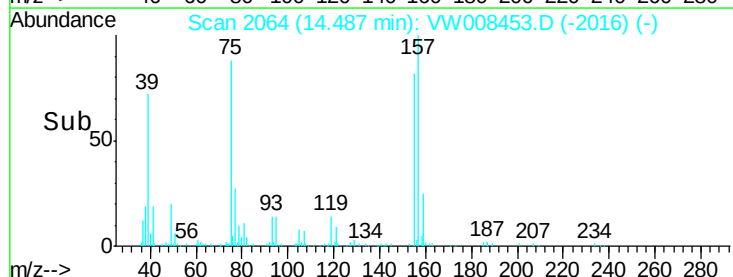
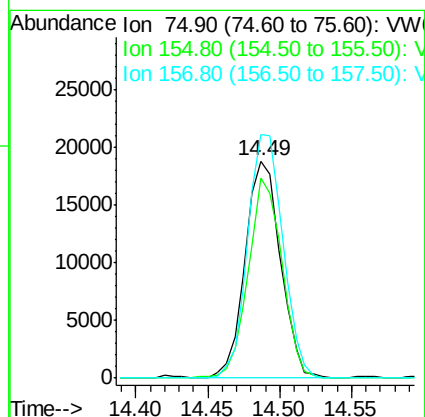
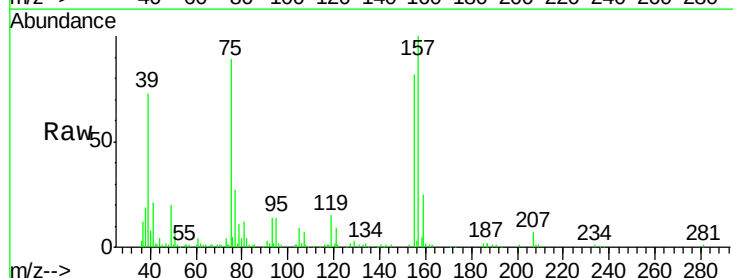
RT: 14.49 min Scan# 2064

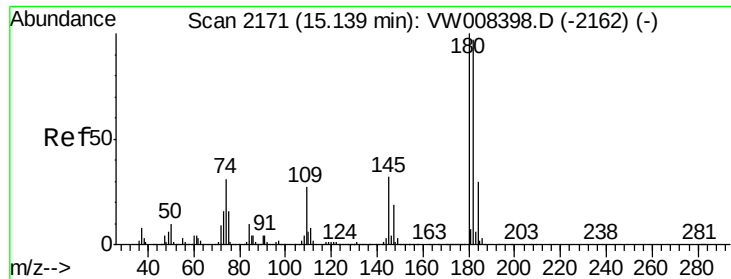
Delta R.T. -0.01 min

Lab File: VW008453.D

Acq: 29 Jan 2019 16:39

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 31931 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 87.7  | 42.7  | 128.1 |
| 157       | 111.9 | 55.5  | 166.3 |





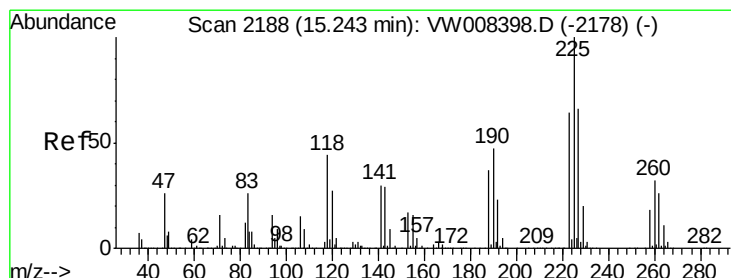
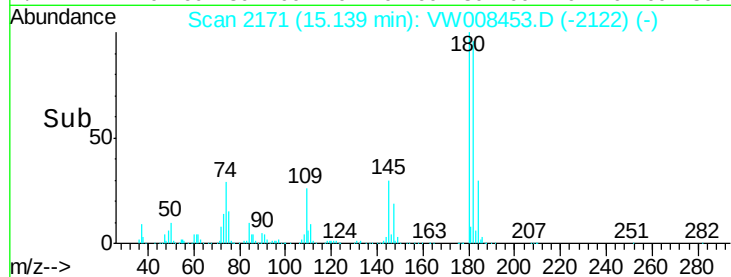
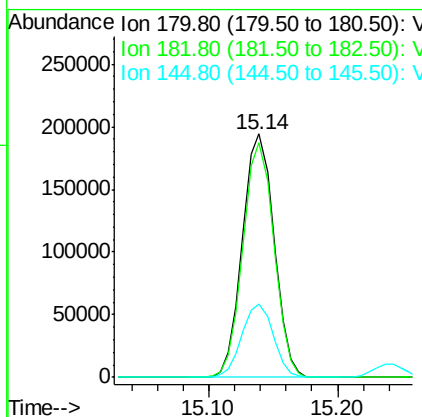
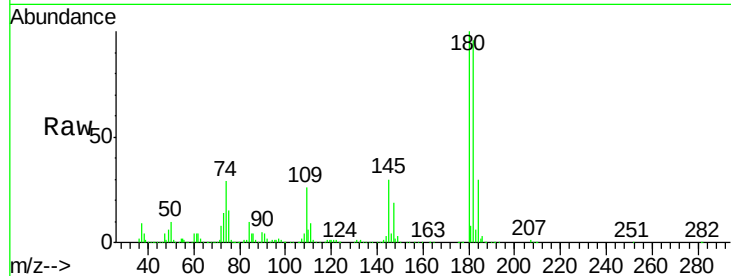
#93  
 1,2,4-Trichlorobenzene  
 Concen: 56.014 ug/l  
 RT: 15.14 min Scan# 2171  
 Delta R.T. 0.00 min  
 Lab File: VW008453.D  
 Acq: 29 Jan 2019 16:39

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 330049 |       |       |
| 182     | 94.7  | 47.9   | 143.7 |       |
| 145     | 30.1  | 15.5   | 46.5  |       |

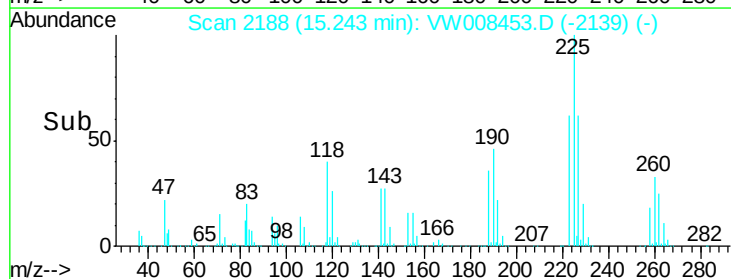
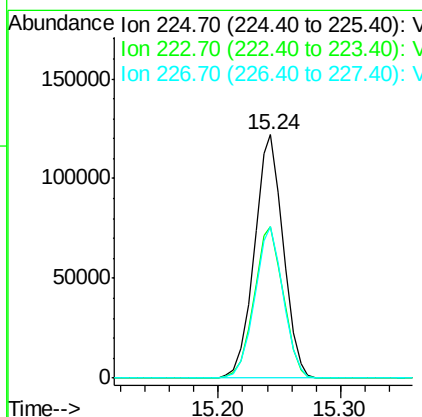
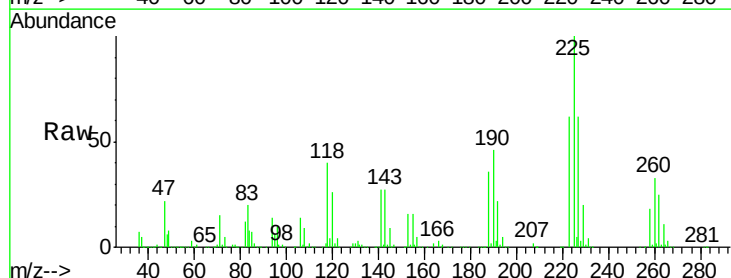
Manual Integrations  
 APPROVED

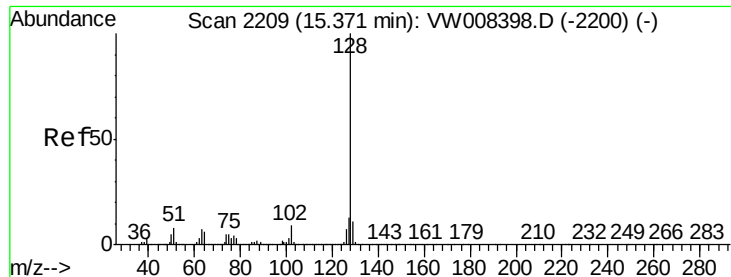
MMDadoda  
 1/30/2019 9:39:50 AM



#94  
 Hexachlorobutadiene  
 Concen: 56.225 ug/l  
 RT: 15.24 min Scan# 2188  
 Delta R.T. 0.00 min  
 Lab File: VW008453.D  
 Acq: 29 Jan 2019 16:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 199659 |       |       |
| 223     | 63.0  | 31.7   | 95.1  |       |
| 227     | 61.8  | 32.1   | 96.3  |       |





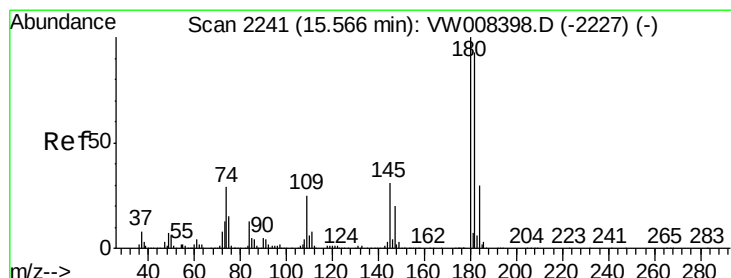
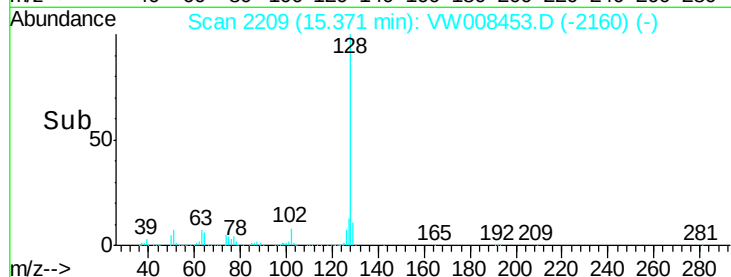
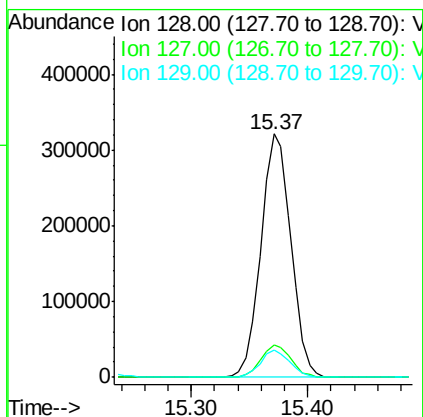
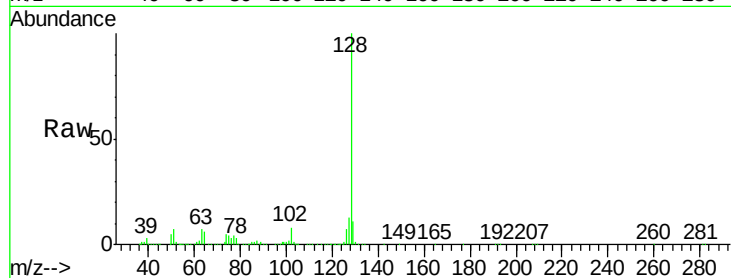
#95  
Naphthalene  
Concen: 55.094 ug/l  
RT: 15.37 min Scan# 2209  
Delta R.T. 0.00 min  
Lab File: VW008453.D  
Acq: 29 Jan 2019 16:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.3  | 10.6  | 15.8  |
| 129     | 11.0  | 8.7   | 13.1  |

Manual Integrations  
APPROVED

MMDadoda  
1/30/2019 9:39:50 AM



#96  
1,2,3-Trichlorobenzene  
Concen: 55.225 ug/l  
RT: 15.56 min Scan# 2240  
Delta R.T. -0.01 min  
Lab File: VW008453.D  
Acq: 29 Jan 2019 16:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.5  | 47.0  | 141.2 |
| 145     | 32.1  | 15.9  | 47.6  |

