

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090319\  
 Data File : VW012562.D  
 Acq On : 03 Sep 2019 23:14  
 Operator : SY/VA  
 Sample : VW0903SBS04  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0903SBS04

Manual Integrations  
 APPROVED

MMDadoda  
 9/4/2019 9:34:39 AM

Quant Time: Sep 04 07:37:44 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W082319S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 26 07:18:31 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 196319   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 317375   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 284416   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 141309   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.30   | 65  | 136265   | 58.39 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 116.78% |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 103705   | 54.74 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 109.48% |      |
| 50) Toluene-d8            | 10.32  | 98  | 396895   | 51.67 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.34% |      |
| 62) 4-Bromofluorobenzene  | 12.61  | 95  | 146738   | 54.19 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 108.38% |      |

## Target Compounds

|                               |      |     |        |         |        | Qvalue |
|-------------------------------|------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.01 | 85  | 19635  | 16.243  | ug/l   | 98     |
| 3) Chloromethane              | 2.21 | 50  | 32917  | 17.576  | ug/l   | 99     |
| 4) Vinyl Chloride             | 2.35 | 62  | 34789  | 15.177  | ug/l   | 100    |
| 5) Bromomethane               | 2.77 | 94  | 19887  | 17.131  | ug/l   | 87     |
| 6) Chloroethane               | 2.91 | 64  | 22587  | 17.468  | ug/l   | 97     |
| 7) Trichlorofluoromethane     | 3.25 | 101 | 21394  | 18.587  | ug/l   | 94     |
| 8) Diethyl Ether              | 3.68 | 74  | 26036  | 23.831  | ug/l   | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101 | 40365  | 20.632  | ug/l   | 98     |
| 10) Methyl Iodide             | 4.27 | 142 | 54837  | 20.716  | ug/l   | 97     |
| 11) Tert butyl alcohol        | 5.20 | 59  | 18273  | 130.109 | ug/l # | 85     |
| 12) 1,1-Dichloroethene        | 4.04 | 96  | 37764  | 19.178  | ug/l   | 98     |
| 13) Acrolein                  | 3.89 | 56  | 10596  | 80.150  | ug/l   | 96     |
| 14) Allyl chloride            | 4.67 | 41  | 85427  | 20.292  | ug/l   | 97     |
| 15) Acrylonitrile             | 5.37 | 53  | 69148  | 127.694 | ug/l   | 98     |
| 16) Acetone                   | 4.13 | 43  | 61759  | 103.526 | ug/l   | 94     |
| 17) Carbon Disulfide          | 4.37 | 76  | 89220  | 14.992  | ug/l   | 97     |
| 18) Methyl Acetate            | 4.67 | 43  | 42305  | 28.632  | ug/l   | 98     |
| 19) Methyl tert-butyl Ether   | 5.42 | 73  | 83540  | 26.234  | ug/l   | 99     |
| 20) Methylene Chloride        | 4.92 | 84  | 49958  | 22.152  | ug/l   | 100    |
| 21) trans-1,2-Dichloroethene  | 5.42 | 96  | 43737  | 20.712  | ug/l   | 93     |
| 22) Diisopropyl ether         | 6.31 | 45  | 185105 | 23.722  | ug/l   | 99     |
| 23) Vinyl Acetate             | 6.25 | 43  | 554384 | 115.443 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 6.21 | 63  | 95067  | 22.375  | ug/l   | 99     |
| 25) 2-Butanone                | 7.17 | 43  | 94846  | 117.000 | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 7.16 | 77  | 51272  | 21.320  | ug/l   | 98     |
| 27) cis-1,2-Dichloroethene    | 7.16 | 96  | 51094  | 22.647  | ug/l   | 100    |
| 28) Bromochloromethane        | 7.51 | 49  | 43022  | 23.232  | ug/l # | 94     |
| 29) Tetrahydrofuran           | 7.53 | 42  | 61228  | 125.891 | ug/l   | 98     |
| 30) Chloroform                | 7.67 | 83  | 93276  | 23.996  | ug/l   | 95     |
| 31) Cyclohexane               | 7.95 | 56  | 74936  | 17.827  | ug/l # | 96     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97  | 70003  | 22.765  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 8.08 | 75  | 66332  | 20.225  | ug/l   | 99     |
| 37) Ethyl Acetate             | 7.25 | 43  | 45223  | 25.163  | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 8.07 | 117 | 61622  | 21.708  | ug/l   | 98     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090319\  
 Data File : VW012562.D  
 Acq On : 03 Sep 2019 23:14  
 Operator : SY/VA  
 Sample : VW0903SBS04  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0903SBS04

Manual Integrations  
 APPROVED

MMDadoda  
 9/4/2019 9:34:39 AM

Quant Time: Sep 04 07:37:44 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W082319S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 26 07:18:31 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 68568    | 18.610  | ug/l   | 98       |
| 40) Benzene                    | 8.32  | 78   | 194093   | 21.673  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.48  | 41   | 28816    | 27.280  | ug/l   | 97       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 70478    | 25.110  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.42  | 43   | 81844    | 24.585  | ug/l   | 99       |
| 44) Trichloroethene            | 9.09  | 130  | 47578    | 21.854  | ug/l   | 96       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 55120    | 22.870  | ug/l   | 96       |
| 46) Dibromomethane             | 9.46  | 93   | 26191    | 24.424  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.64  | 83   | 67787    | 23.751  | ug/l   | 97       |
| 48) Methyl methacrylate        | 9.43  | 41   | 38961    | 24.590  | ug/l   | 95       |
| 49) 1,4-Dioxane                | 9.46  | 88   | 8406     | 512.041 | ug/l # | 78       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 215627   | 127.345 | ug/l   | 100      |
| 52) Toluene                    | 10.38 | 92   | 117978   | 21.929  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.60 | 75   | 69188    | 23.799  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 78351    | 22.321  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 38128    | 25.130  | ug/l   | 96       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 54261    | 24.572  | ug/l   | 100      |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 70243    | 24.499  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.92  | 63   | 134688   | 118.845 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.97 | 43   | 146114   | 121.957 | ug/l   | 99       |
| 60) Dibromochloromethane       | 11.13 | 129  | 41445    | 24.524  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 35399    | 25.043  | ug/l   | 97       |
| 64) Tetrachloroethene          | 10.86 | 164  | 40425    | 21.923  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.66 | 112  | 125147   | 22.346  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.72 | 131  | 46132    | 23.612  | ug/l   | 100      |
| 67) Ethyl Benzene              | 11.73 | 91   | 230760   | 21.390  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.84 | 106  | 167653   | 43.142  | ug/l   | 99       |
| 69) o-Xylene                   | 12.16 | 106  | 78732    | 21.890  | ug/l   | 98       |
| 70) Styrene                    | 12.18 | 104  | 140276   | 22.533  | ug/l   | 99       |
| 71) Bromoform                  | 12.35 | 173  | 23587    | 24.231  | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.46 | 105  | 221795   | 20.947  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.27 | 43   | 74656    | 23.337  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 46015    | 23.705  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 31318m   | 22.756  | ug/l   |          |
| 77) Bromobenzene               | 12.74 | 156  | 50955    | 22.244  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.80 | 91   | 264962   | 20.498  | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 12.89 | 91   | 159441   | 21.725  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 190324   | 21.511  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.51 | 75   | 13621    | 21.700  | ug/l   | 95       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 166006   | 21.603  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.21 | 119  | 163998   | 21.882  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.25 | 105  | 192551   | 21.665  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.38 | 105  | 226634   | 21.107  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.50 | 119  | 204673   | 21.344  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.50 | 146  | 99022    | 22.100  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 99021    | 22.258  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.82 | 91   | 193069   | 20.246  | ug/l   | 100      |
| 90) Hexachloroethane           | 14.09 | 117  | 35860    | 21.315  | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 89670    | 22.813  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.48 | 75   | 8017     | 24.498  | ug/l   | 95       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090319\  
Data File : VW012562.D  
Acq On : 03 Sep 2019 23:14  
Operator : SY/VA  
Sample : VW0903SBS04  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0903SBS04

Manual Integrations  
APPROVED

MMDadoda  
9/4/2019 9:34:39 AM

Quant Time: Sep 04 07:37:44 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W082319S.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 26 07:18:31 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.13 | 180  | 60656    | 22.330 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 39633    | 22.097 | ug/l  | 99       |
| 95) Naphthalene            | 15.36 | 128  | 111834   | 23.489 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.55 | 180  | 52832    | 22.293 | ug/l  | 96       |

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

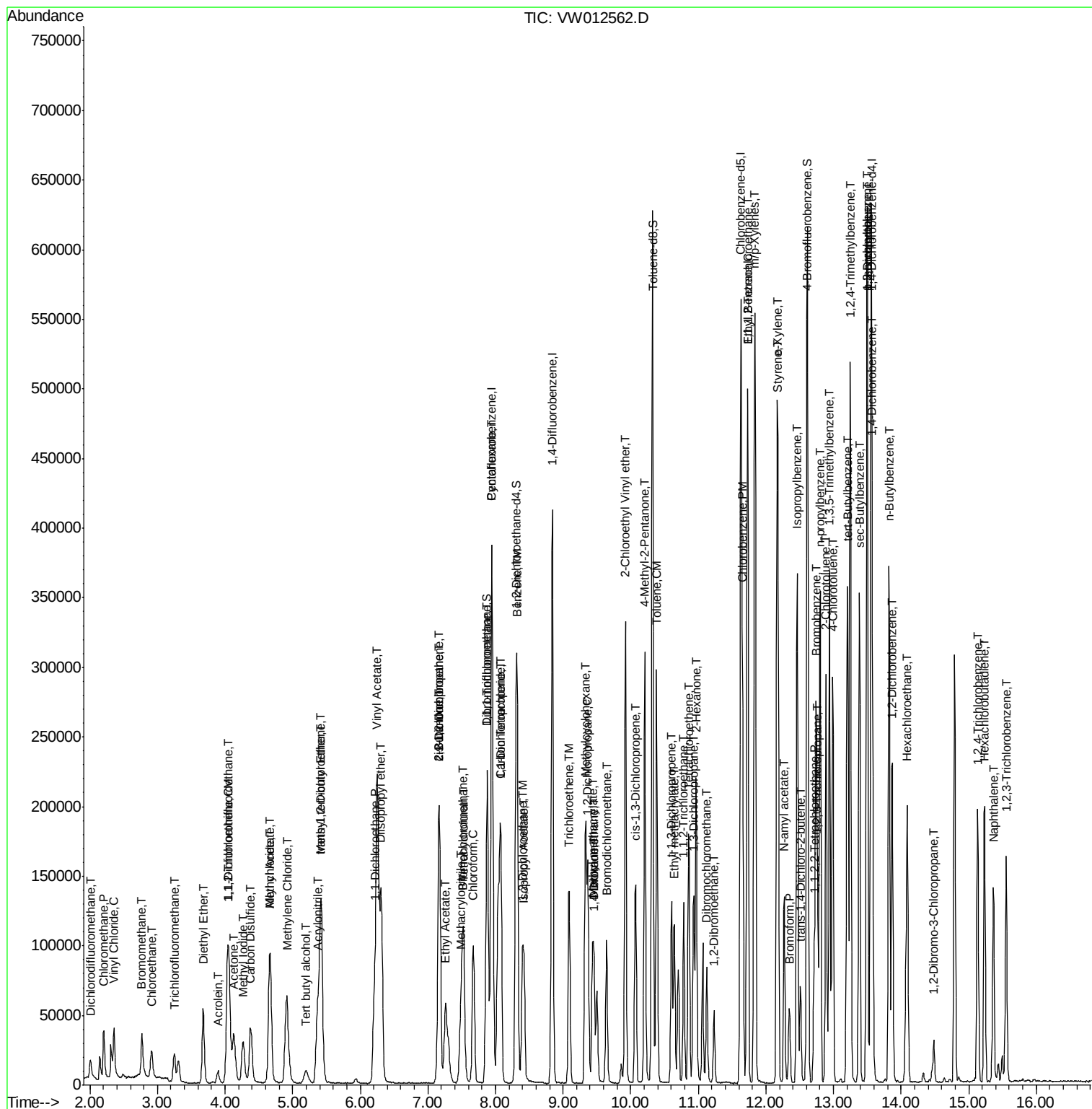
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090319\  
Data File : VW012562.D  
Acq On : 03 Sep 2019 23:14  
Operator : SY/VA  
Sample : VW0903SBS04  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 34 Sample Multiplier: 1

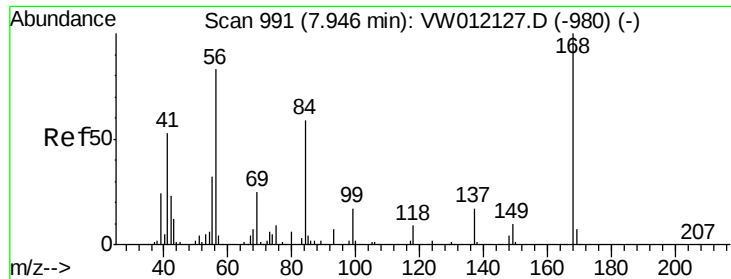
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0903SBS04

Manual Integrations  
APPROVED

MMDadoda  
9/4/2019 9:34:39 AM

Quant Time: Sep 04 07:37:44 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W082319S.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 26 07:18:31 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012562.D

Acq: 03 Sep 2019 23:14

Instrument :

MSVOA\_W

ClientSampleId :

VW0903SBS04

Tot Ion:168 Resp: 196319

Ion Ratio Lower Upper

168 100

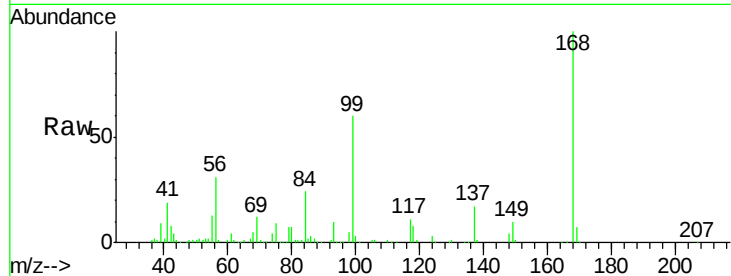
99 60.1 49.2 73.8

Manual Integrations

APPROVED

MMDadoda

9/4/2019 9:34:39 AM



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

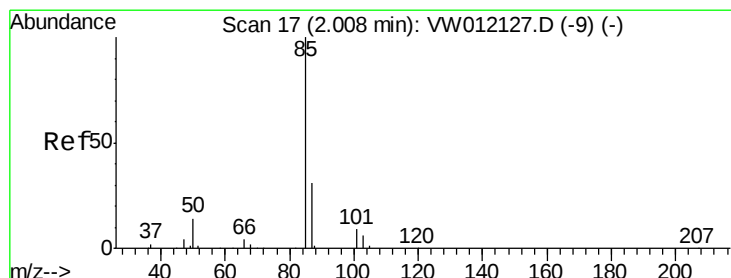
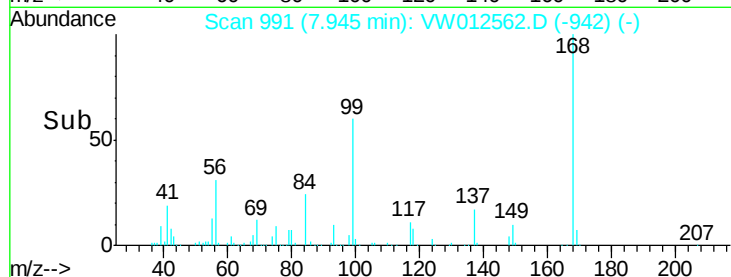
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 16.243 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012562.D

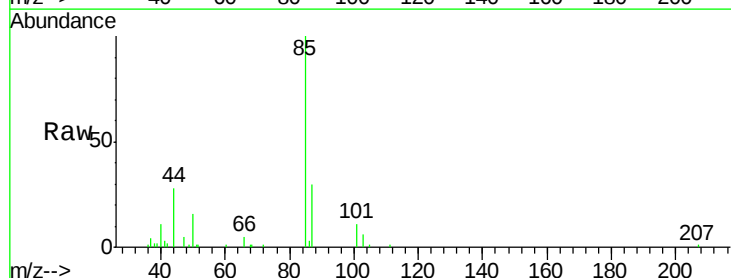
Acq: 03 Sep 2019 23:14

Tgt Ion: 85 Resp: 19635

Ion Ratio Lower Upper

85 100

87 29.9 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

8000

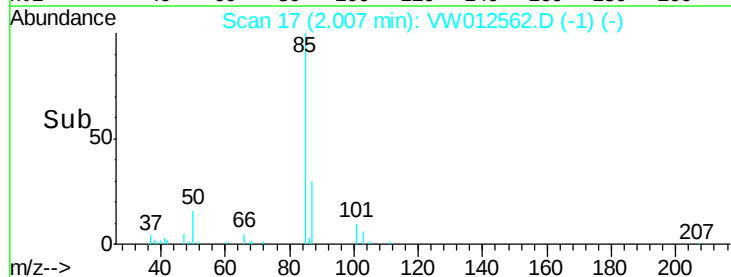
6000

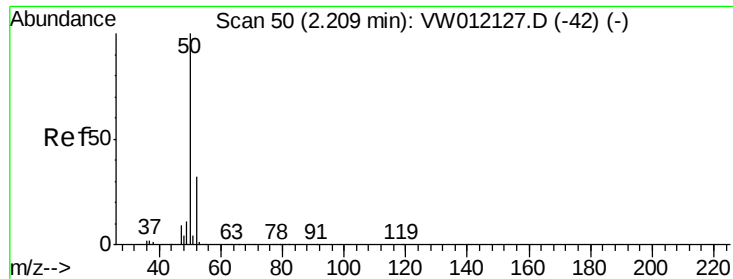
4000

2000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 17.576 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012562.D

Acq: 03 Sep 2019 23:14

Instrument :

MSVOA\_W

ClientSampleId :

VW0903SBS04

Tot Ion: 50 Resp: 32917

Ion Ratio Lower Upper

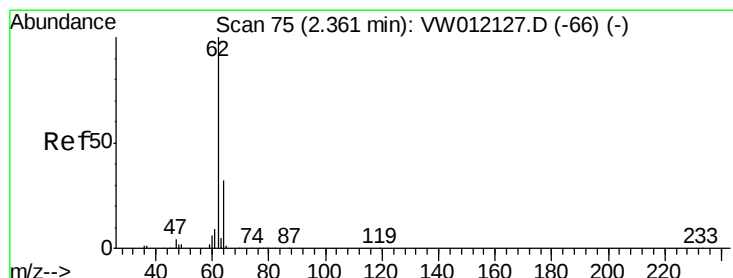
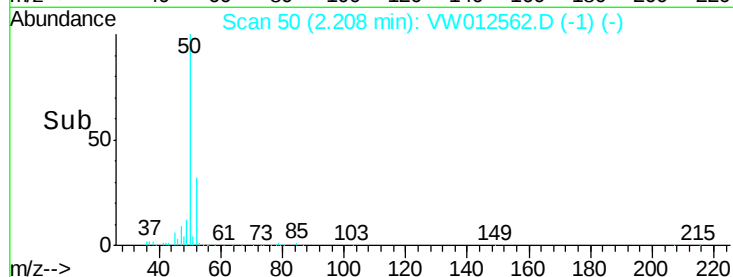
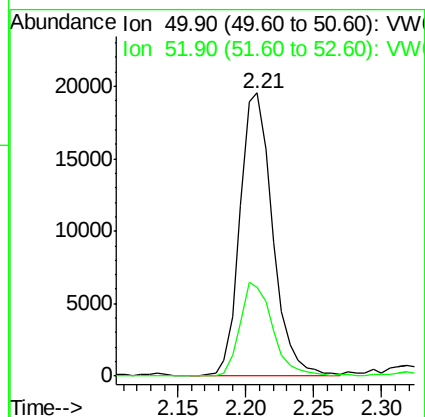
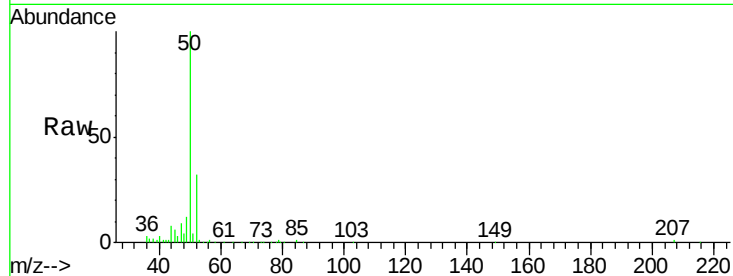
50 100

52 31.6 25.5 38.3

Manual Integrations  
APPROVED

MMDadoda

9/4/2019 9:34:39 AM



#4

Vinyl Chloride

Concen: 15.177 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012562.D

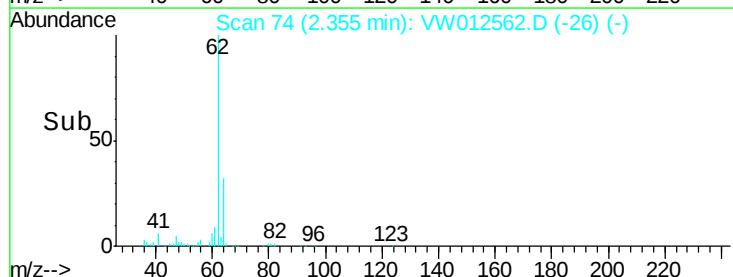
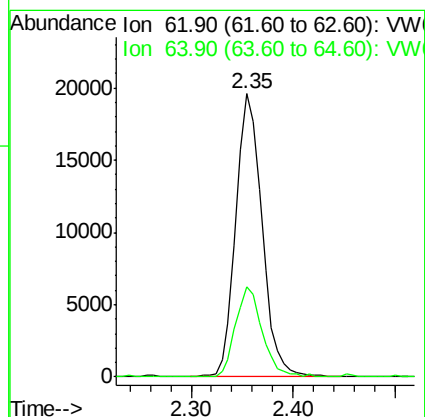
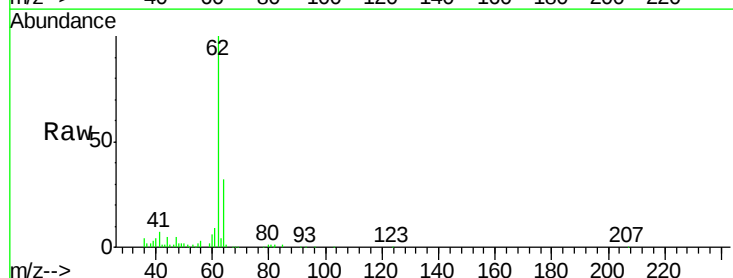
Acq: 03 Sep 2019 23:14

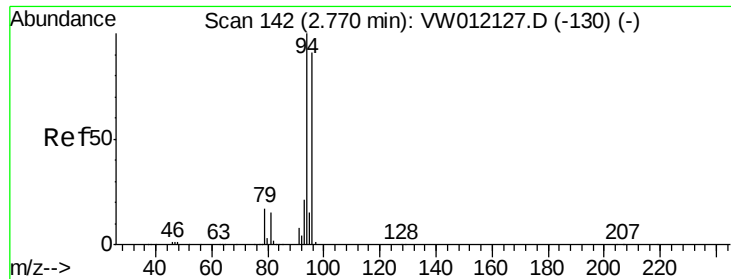
Tgt Ion: 62 Resp: 34789

Ion Ratio Lower Upper

62 100

64 31.6 25.3 37.9





#5

Bromomethane

Concen: 17.131 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW012562.D

Acq: 03 Sep 2019 23:14

Instrument :

MSVOA\_W

ClientSampleId :

VW0903SBS04

Tot Ion: 94 Resp: 19887

Ion Ratio Lower Upper

94 100

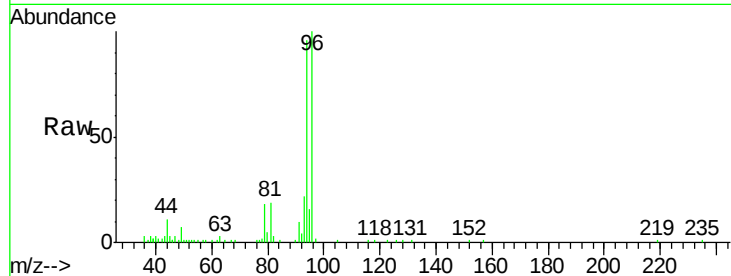
96 103.4 72.9 109.3

Manual Integrations

APPROVED

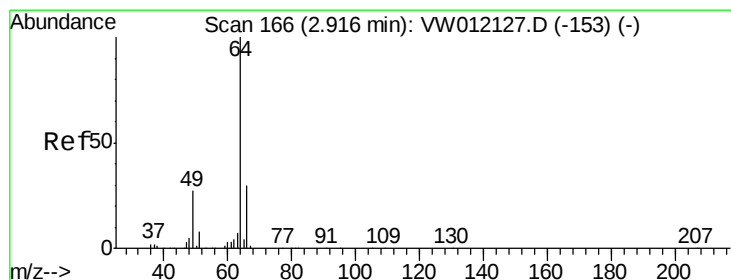
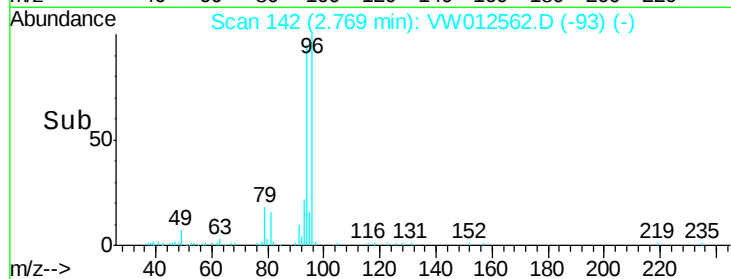
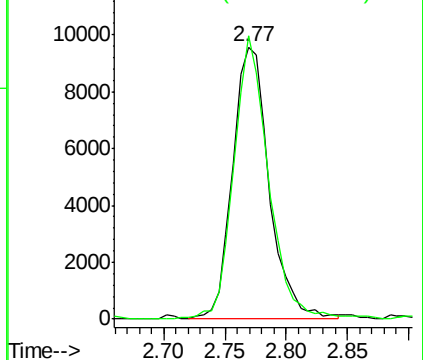
MMDadoda

9/4/2019 9:34:39 AM



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 17.468 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW012562.D

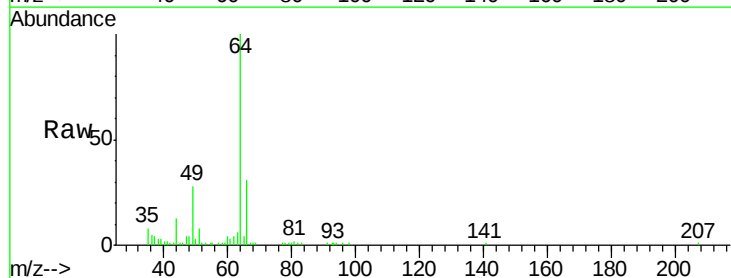
Acq: 03 Sep 2019 23:14

Tgt Ion: 64 Resp: 22587

Ion Ratio Lower Upper

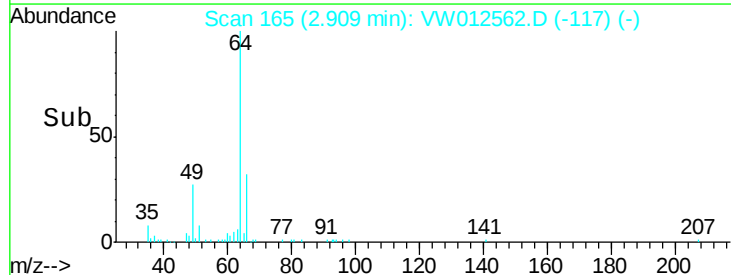
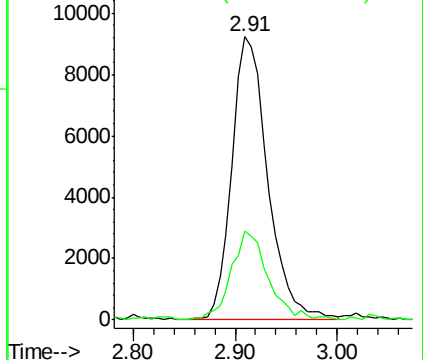
64 100

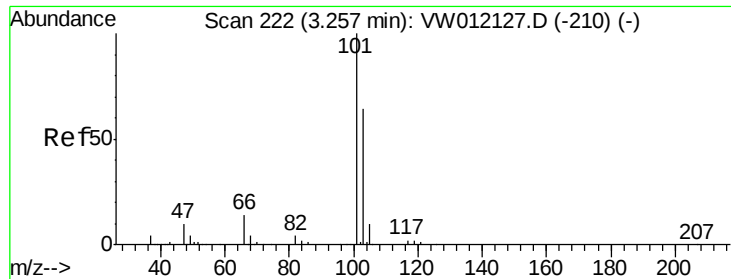
66 31.3 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

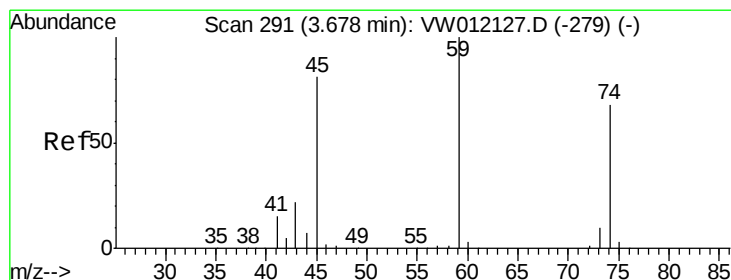
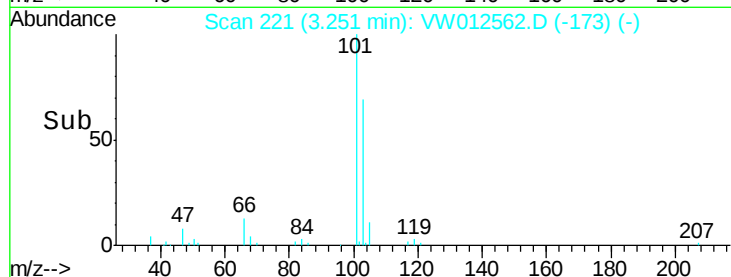
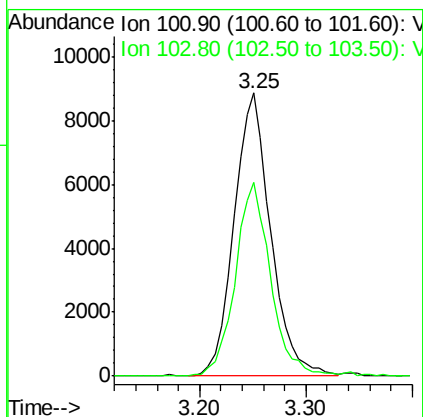
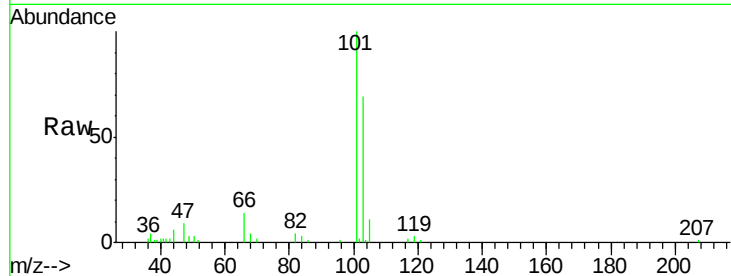
Trichlorofluoromethane  
 Concen: 18.587 ug/l  
 RT: 3.25 min Scan# 221  
 Delta R.T. -0.01 min  
 Lab File: VW012562.D  
 Acq: 03 Sep 2019 23:14

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0903SBS04

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 101     | 100  |       | 21394 |       |       |
| 103     | 68.6 | 51.2  | 76.8  |       |       |

Manual Integrations  
 APPROVED

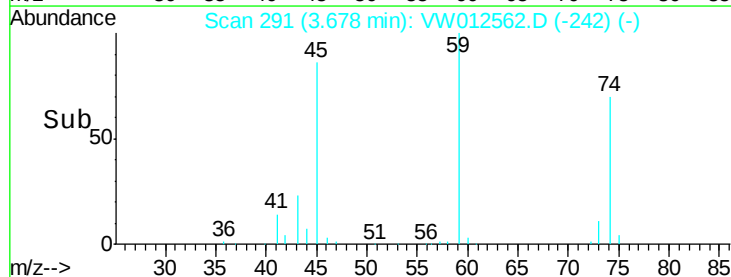
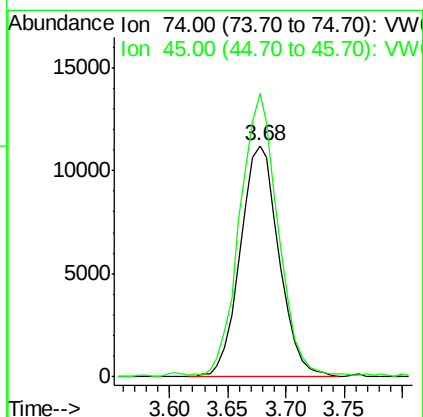
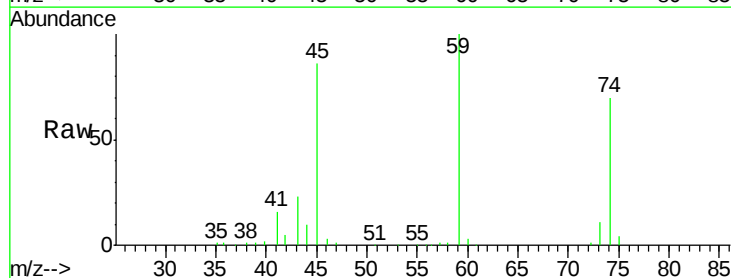
MMDadoda  
 9/4/2019 9:34:39 AM

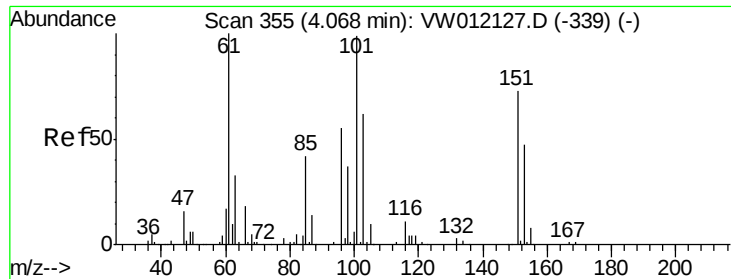


#8

Diethyl Ether  
 Concen: 23.831 ug/l  
 RT: 3.68 min Scan# 291  
 Delta R.T. -0.00 min  
 Lab File: VW012562.D  
 Acq: 03 Sep 2019 23:14

| Tgt Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 74      | 100   |       | 26036 |       |       |
| 45      | 118.9 | 59.2  | 177.6 |       |       |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.632 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012562.D

Acq: 03 Sep 2019 23:14

Instrument :

MSVOA\_W

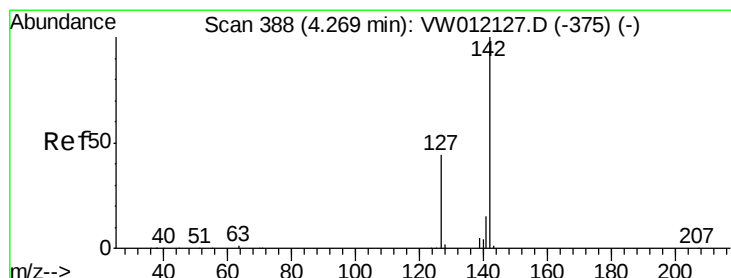
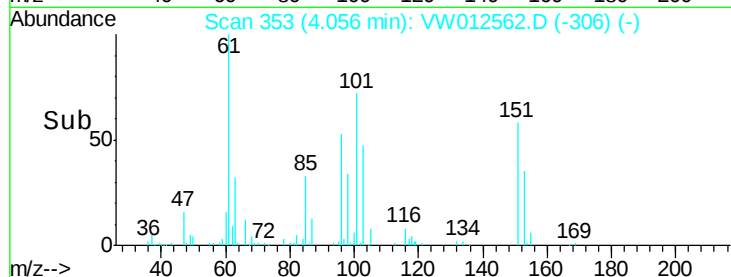
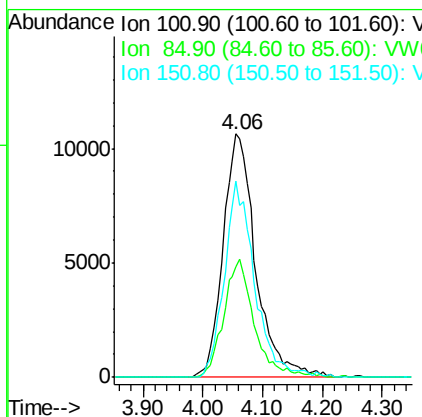
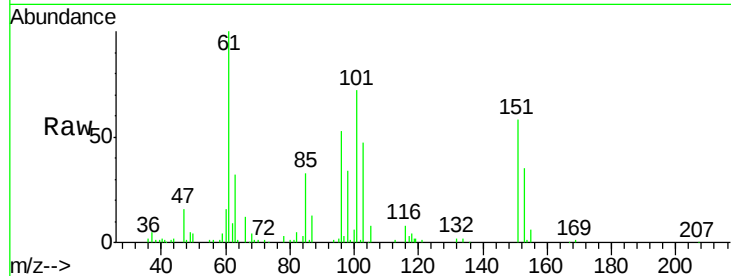
ClientSampleId :

VW0903SBS04

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 40365 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 45.5  | 35.8  | 53.6  |
| 151       | 74.7  | 58.6  | 87.8  |

Manual Integrations  
APPROVED

MMDadoda  
9/4/2019 9:34:39 AM



#10

Methyl Iodide

Concen: 20.716 ug/l

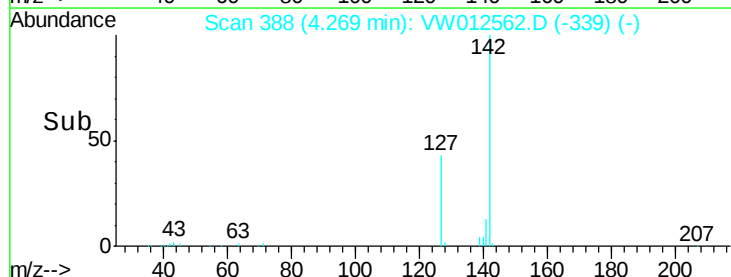
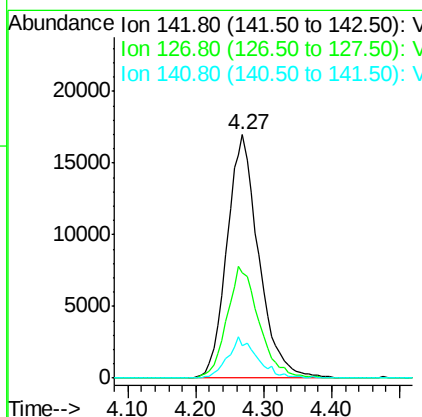
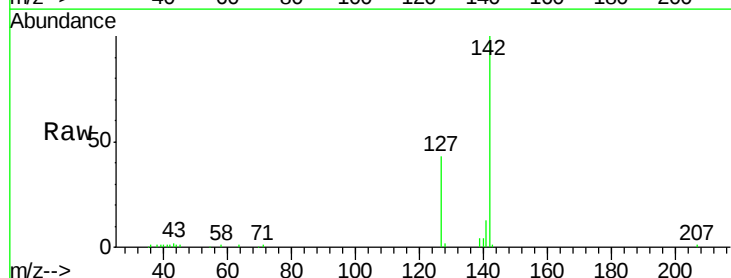
RT: 4.27 min Scan# 388

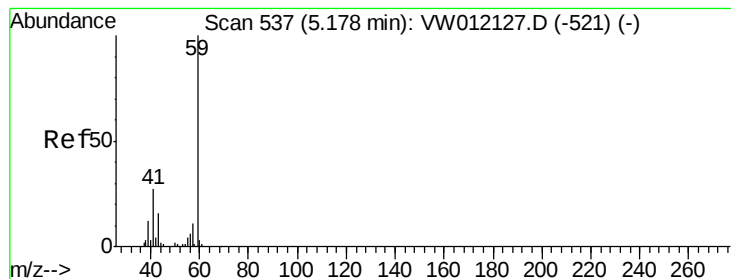
Delta R.T. -0.00 min

Lab File: VW012562.D

Acq: 03 Sep 2019 23:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 54837 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 46.3  | 35.5  | 53.3  |
| 141       | 15.7  | 11.8  | 17.8  |





#11

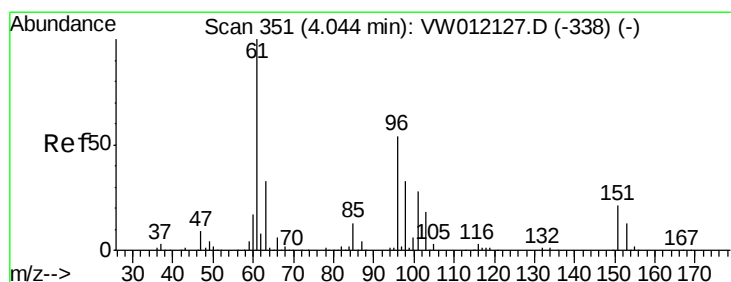
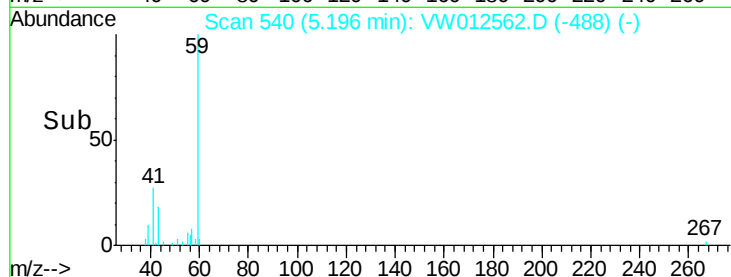
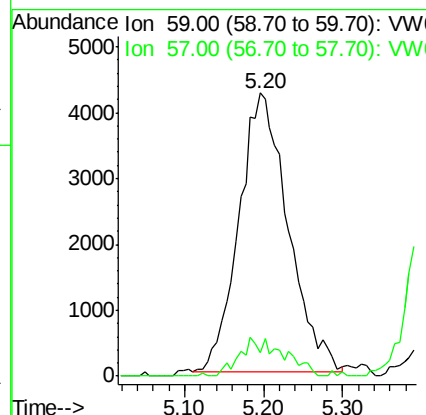
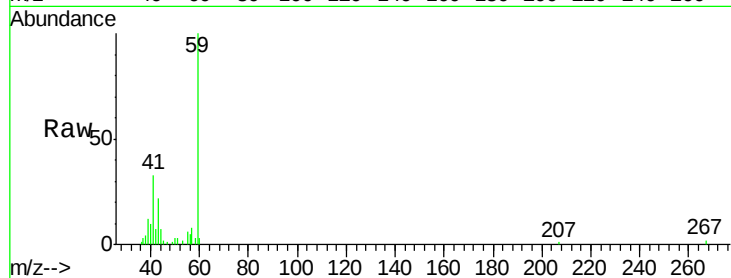
Tert butyl alcohol  
Concen: 130.109 ug/l  
RT: 5.20 min Scan# 540  
Delta R.T. 0.02 min  
Lab File: VW012562.D  
Acq: 03 Sep 2019 23:14

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0903SBS04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 5.6   | 9.0   | 13.4# |

Manual Integrations  
APPROVED

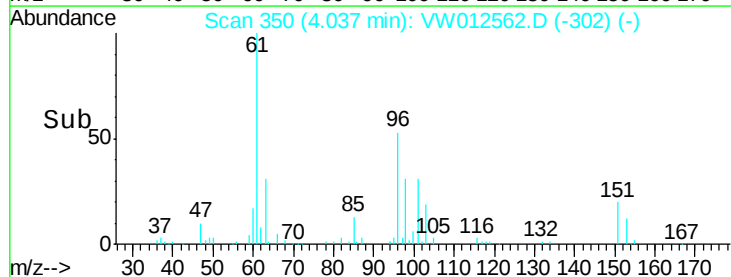
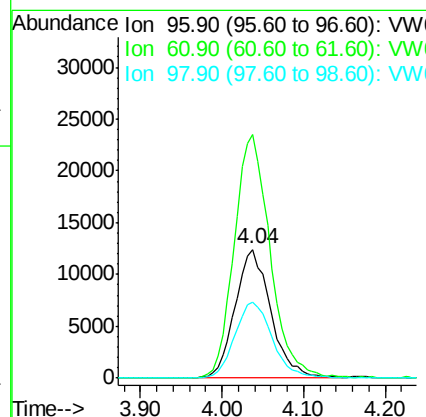
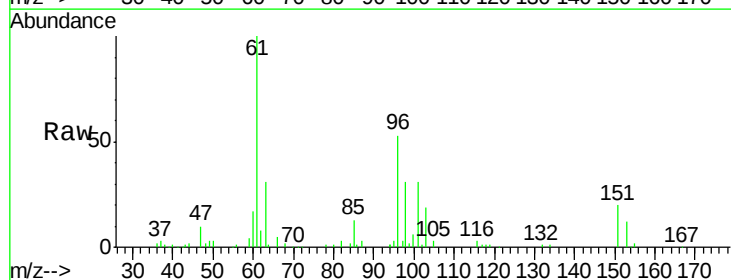
MMDadoda  
9/4/2019 9:34:39 AM

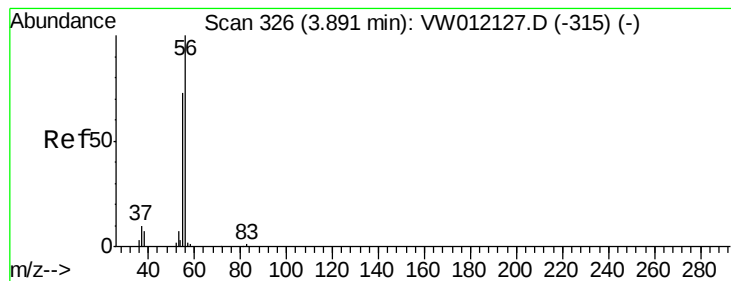


#12

1,1-Dichloroethene  
Concen: 19.178 ug/l  
RT: 4.04 min Scan# 350  
Delta R.T. -0.01 min  
Lab File: VW012562.D  
Acq: 03 Sep 2019 23:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 189.5 | 149.1 | 223.7 |
| 98      | 59.4  | 49.4  | 74.2  |





#13

Acrolein

Concen: 80.150 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012562.D

Acq: 03 Sep 2019 23:14

Instrument :

MSVOA\_W

ClientSampleId :

VW0903SBS04

Tot Ion: 56 Resp: 10596

Ion Ratio Lower Upper

56 100

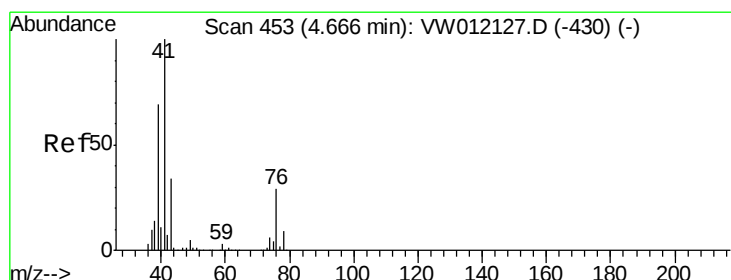
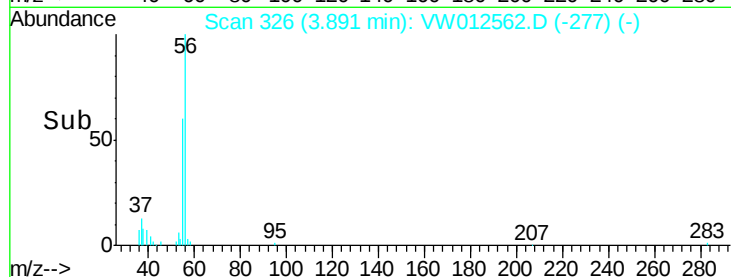
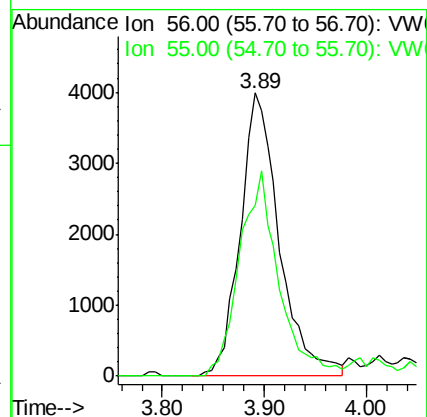
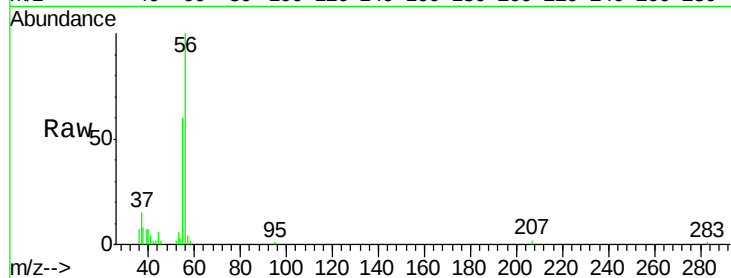
55 72.7 55.8 83.8

Manual Integrations

APPROVED

MMDadoda

9/4/2019 9:34:39 AM



#14

Allyl chloride

Concen: 20.292 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012562.D

Acq: 03 Sep 2019 23:14

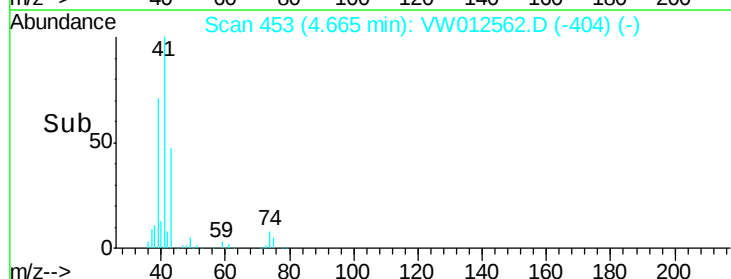
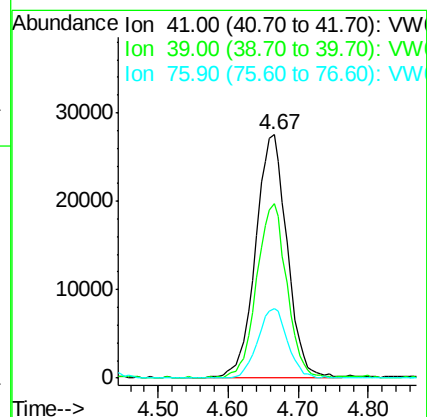
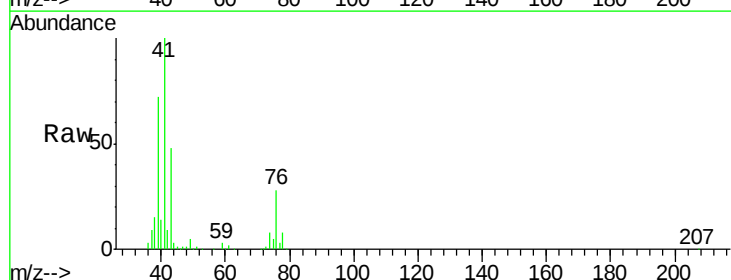
Tgt Ion: 41 Resp: 85427

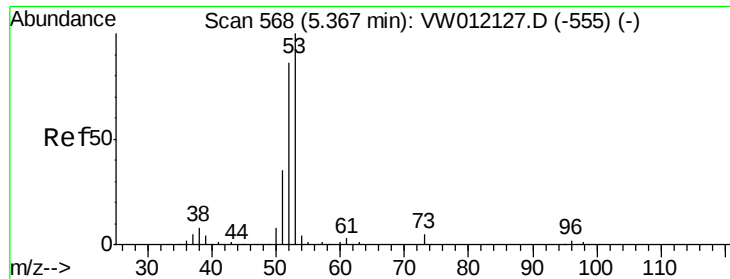
Ion Ratio Lower Upper

41 100

39 69.5 53.4 80.2

76 27.1 22.1 33.1





#15

Acrylonitrile

Concen: 127.694 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012562.D

Acq: 03 Sep 2019 23:14

Instrument :

MSVOA\_W

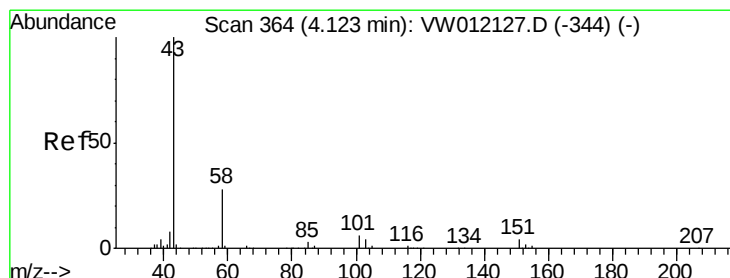
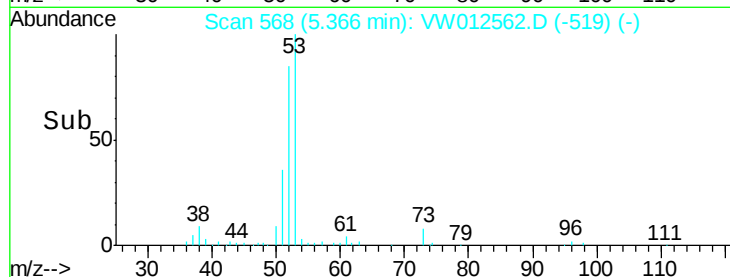
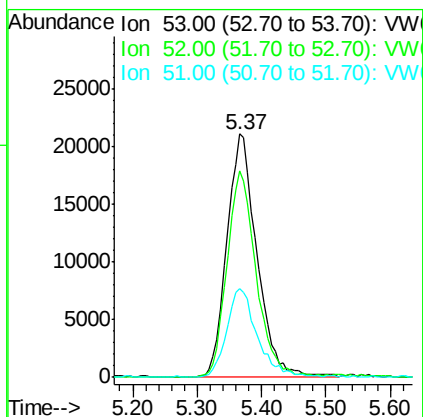
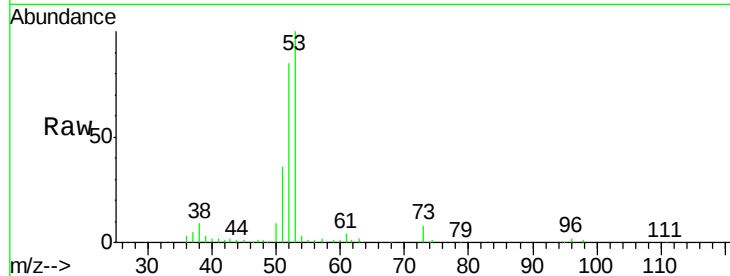
ClientSampleId :

VW0903SBS04

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 69148 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 81.6  | 66.7  | 100.1 |
| 51       | 37.1  | 30.1  | 45.1  |

Manual Integrations  
APPROVED

MMDadoda  
9/4/2019 9:34:39 AM



#16

Acetone

Concen: 103.526 ug/l

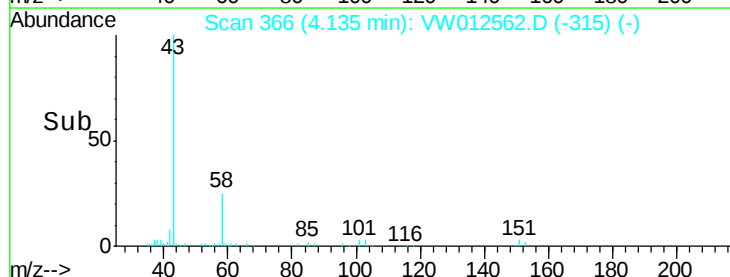
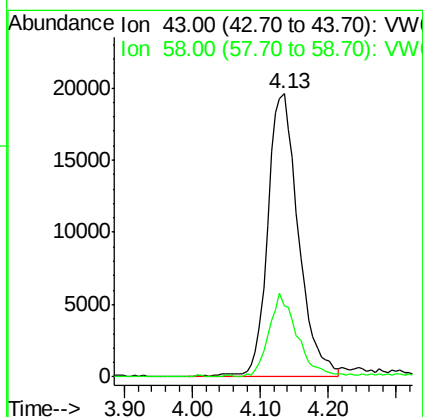
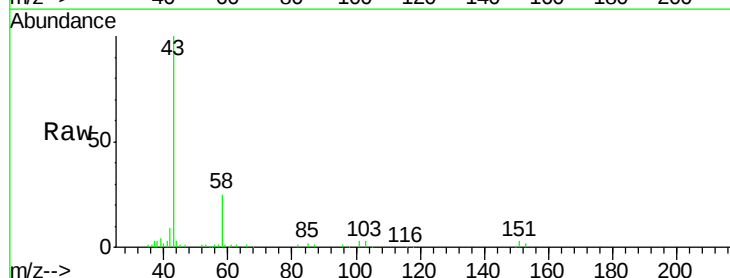
RT: 4.13 min Scan# 366

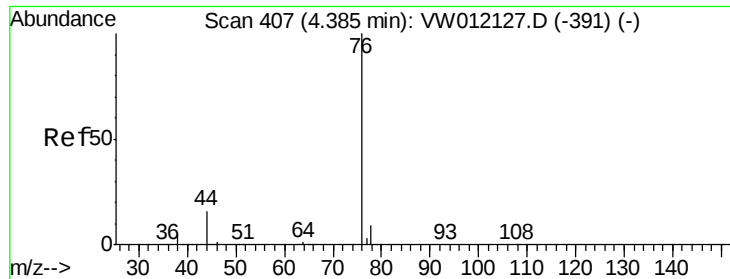
Delta R.T. 0.01 min

Lab File: VW012562.D

Acq: 03 Sep 2019 23:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 61759 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 24.9  | 22.4  | 33.6  |





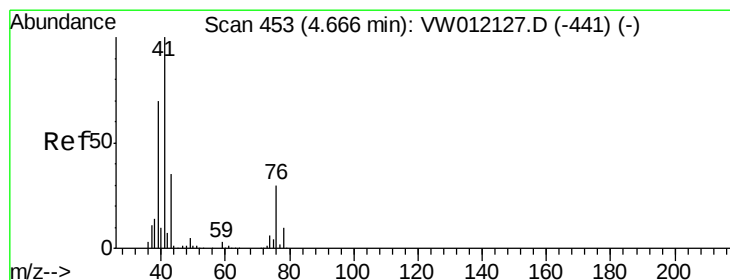
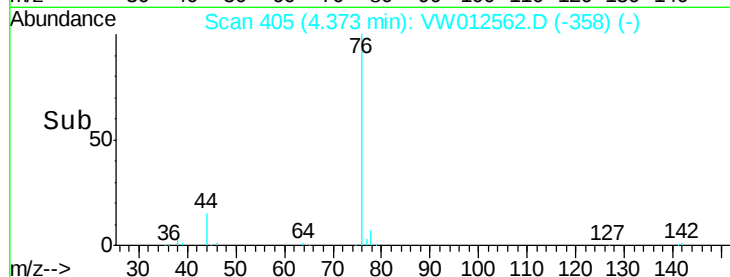
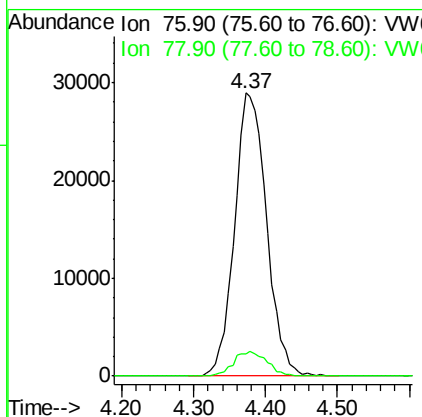
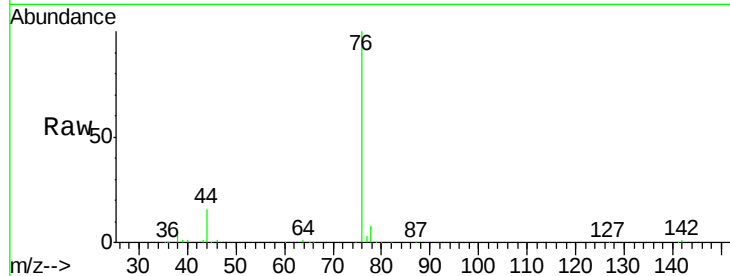
#17  
Carbon Disulfide  
Concen: 14.992 ug/l  
RT: 4.37 min Scan# 405  
Delta R.T. -0.01 min  
Lab File: VW012562.D  
Acq: 03 Sep 2019 23:14

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0903SBS04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.0   | 7.3   | 10.9  |

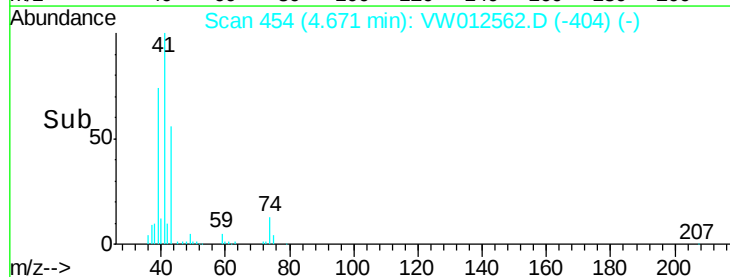
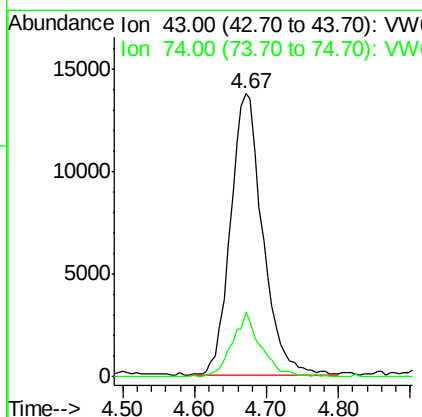
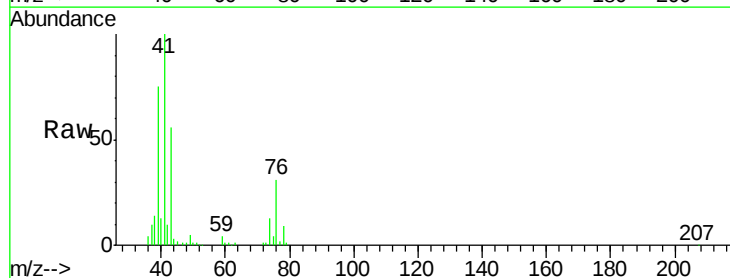
Manual Integrations  
APPROVED

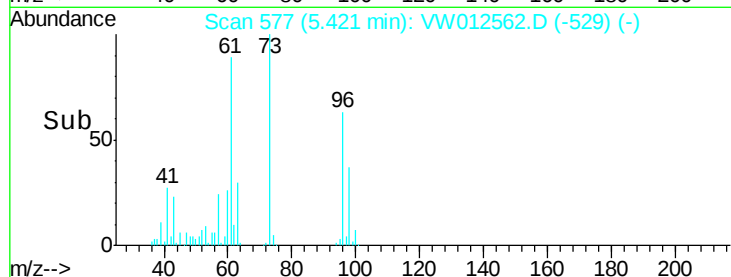
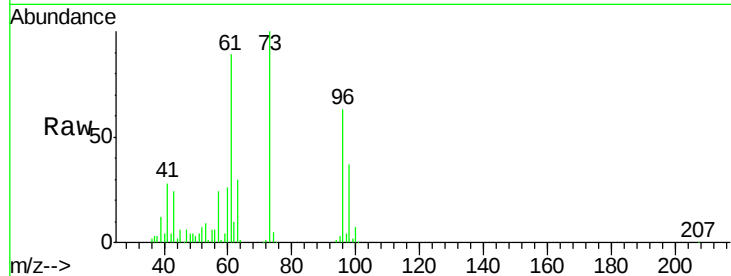
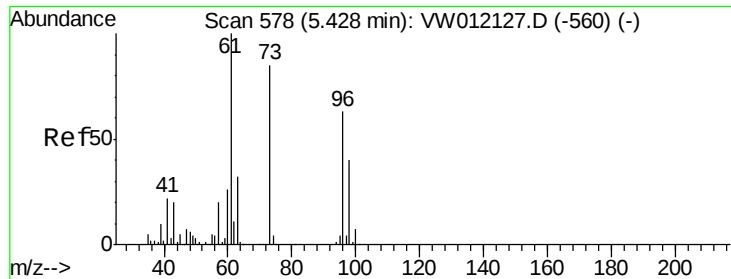
MMDadoda  
9/4/2019 9:34:39 AM



#18  
Methyl Acetate  
Concen: 28.632 ug/l  
RT: 4.67 min Scan# 454  
Delta R.T. 0.01 min  
Lab File: VW012562.D  
Acq: 03 Sep 2019 23:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 20.3  | 15.7  | 23.5  |





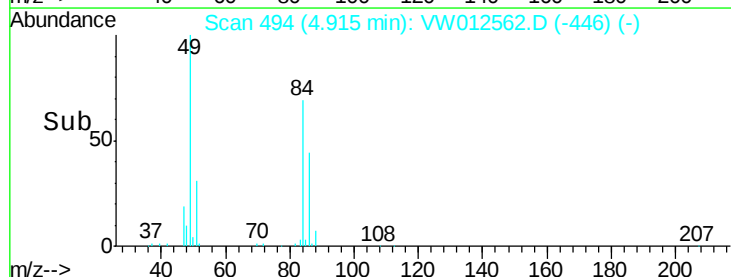
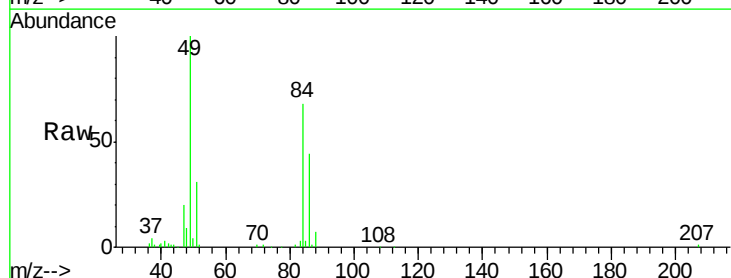
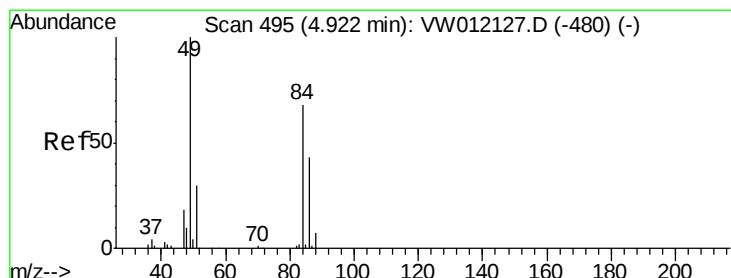
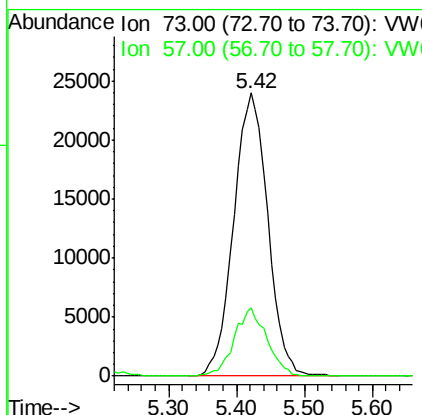
#19  
Methyl tert-butyl Ether  
Concen: 26.234 ug/l  
RT: 5.42 min Scan# 577  
Delta R.T. -0.01 min  
Lab File: VW012562.D  
Acq: 03 Sep 2019 23:14

| Tot Ion   | 73   | Resp  | 83540 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 57        | 24.3 | 18.9  | 28.3  |

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0903SBS04

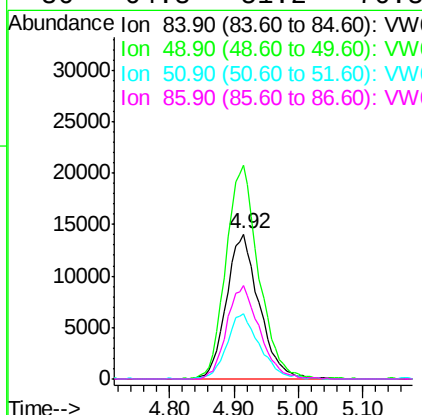
Manual Integrations  
APPROVED

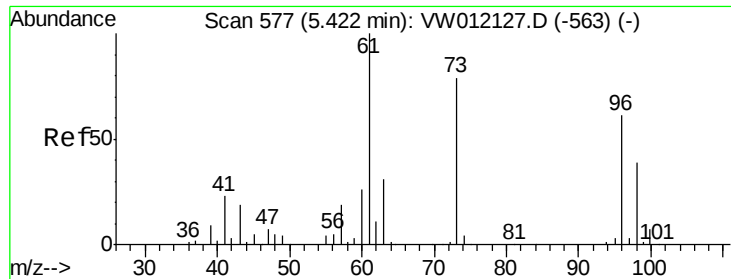
MMDadoda  
9/4/2019 9:34:39 AM



#20  
Methylene Chloride  
Concen: 22.152 ug/l  
RT: 4.92 min Scan# 494  
Delta R.T. -0.01 min  
Lab File: VW012562.D  
Acq: 03 Sep 2019 23:14

| Tgt Ion   | 84    | Resp  | 49958 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 49        | 147.2 | 117.8 | 176.8 |
| 51        | 45.0  | 35.6  | 53.4  |
| 86        | 64.8  | 51.2  | 76.8  |





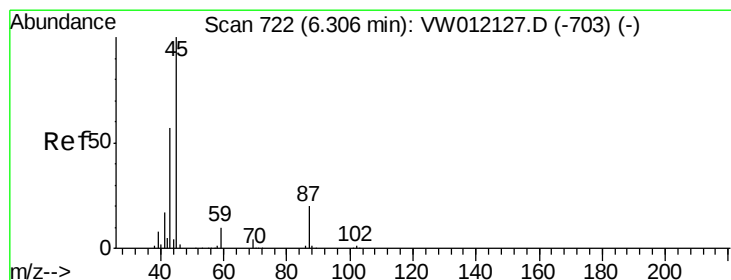
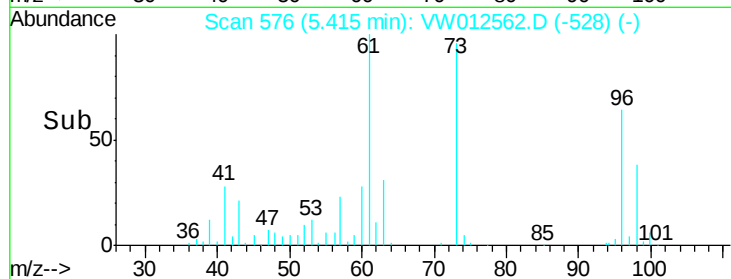
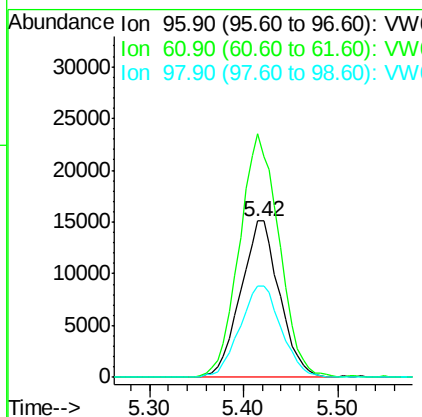
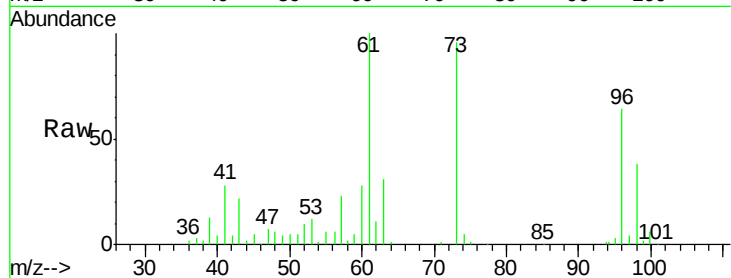
#21  
trans-1,2-Dichloroethene  
Concen: 20.712 ug/l  
RT: 5.42 min Scan# 576  
Delta R.T. -0.01 min  
Lab File: VW012562.D  
Acq: 03 Sep 2019 23:14

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0903SBS04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 155.3 | 131.4 | 197.0 |
| 98      | 58.5  | 51.4  | 77.0  |

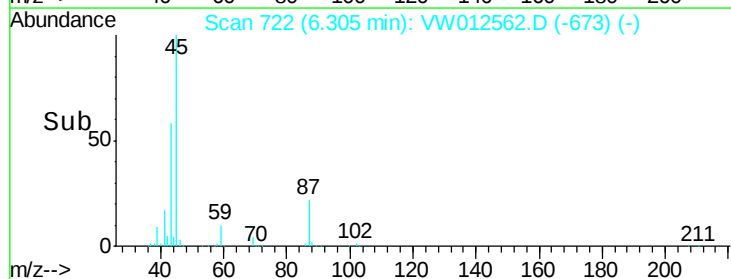
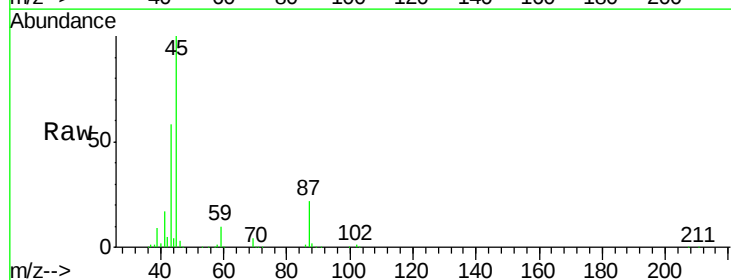
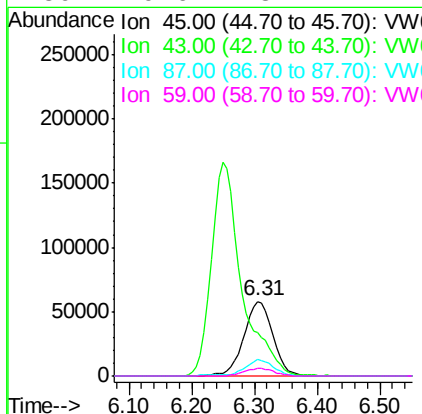
Manual Integrations  
APPROVED

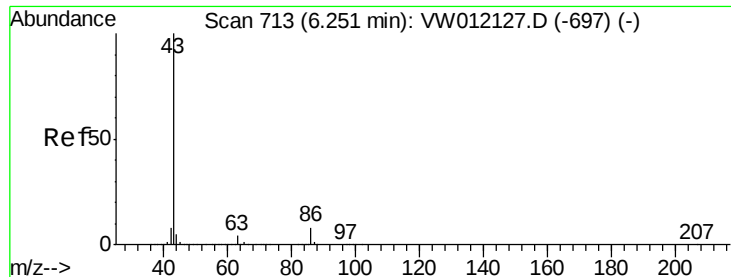
MMDadoda  
9/4/2019 9:34:39 AM



#22  
Diisopropyl ether  
Concen: 23.722 ug/l  
RT: 6.31 min Scan# 722  
Delta R.T. -0.00 min  
Lab File: VW012562.D  
Acq: 03 Sep 2019 23:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 57.0  | 45.5  | 68.3  |
| 87      | 21.8  | 16.1  | 24.1  |
| 59      | 9.6   | 8.2   | 12.2  |





#23

Vinyl Acetate

Concen: 115.443 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012562.D

Acq: 03 Sep 2019 23:14

Instrument :

MSVOA\_W

ClientSampleId :

VW0903SBS04

Tot Ion: 43 Resp: 554384

Ion Ratio Lower Upper

43 100

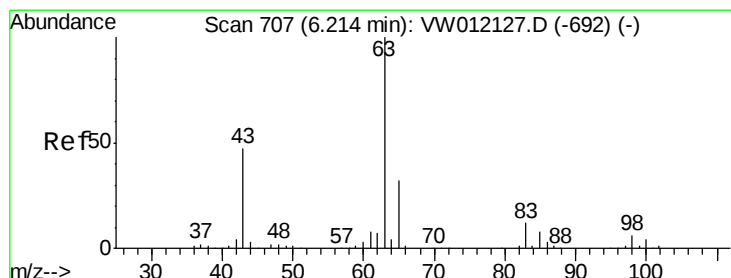
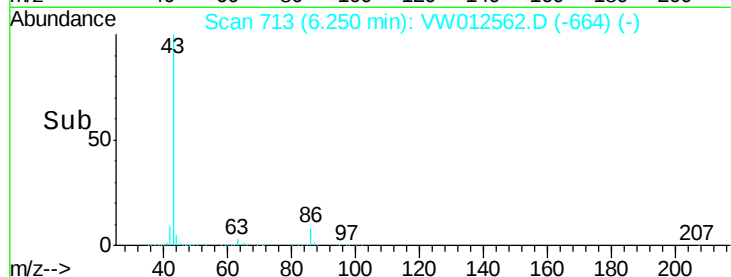
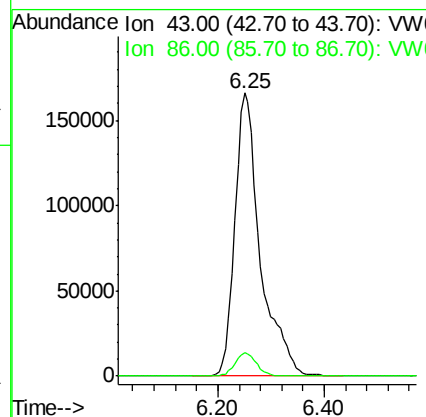
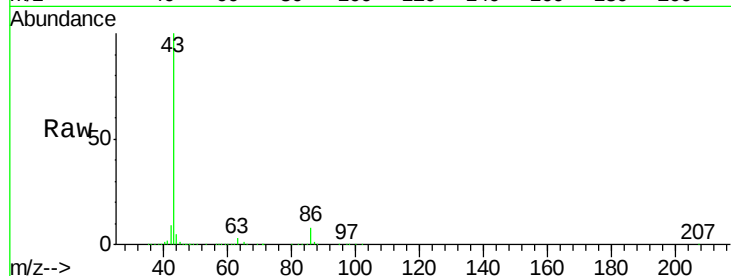
86 8.4 6.5 9.7

Manual Integrations

APPROVED

MMDadoda

9/4/2019 9:34:39 AM



#24

1,1-Dichloroethane

Concen: 22.375 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012562.D

Acq: 03 Sep 2019 23:14

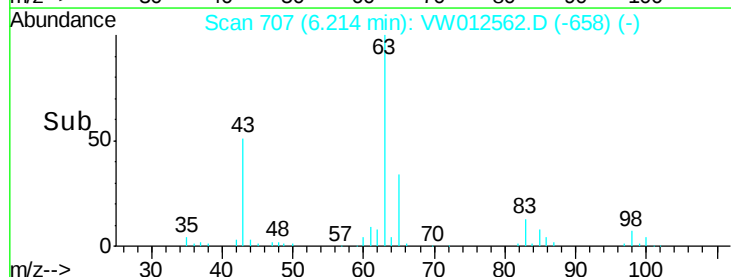
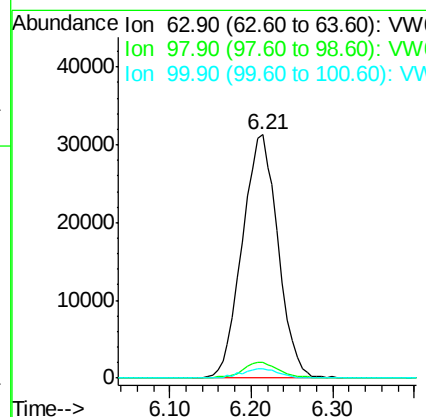
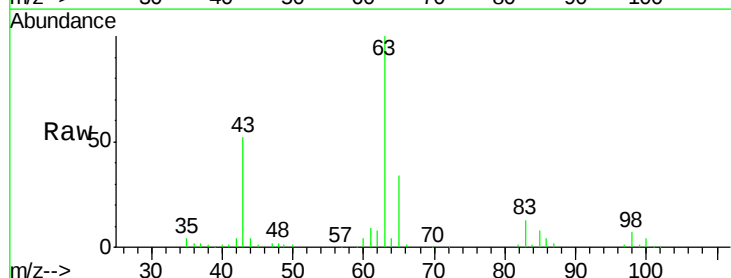
Tgt Ion: 63 Resp: 95067

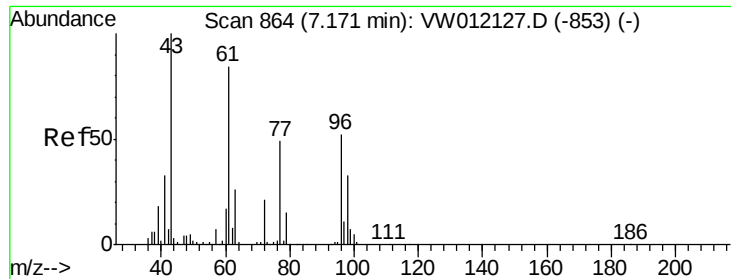
Ion Ratio Lower Upper

63 100

98 6.6 3.0 9.2

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 117.000 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012562.D

Acq: 03 Sep 2019 23:14

Instrument :

MSVOA\_W

ClientSampleId :

VW0903SBS04

Tot Ion: 43 Resp: 94846

Ion Ratio Lower Upper

43 100

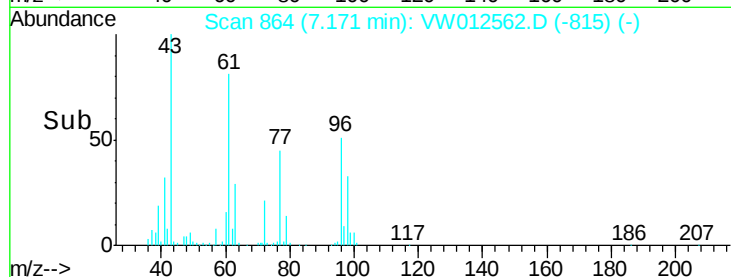
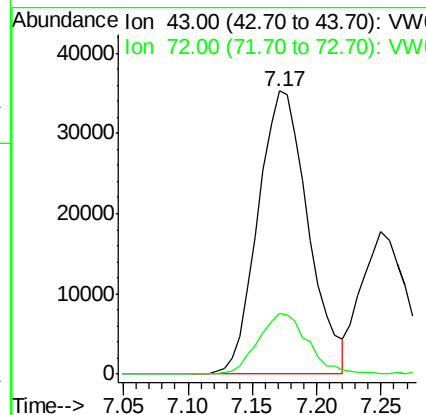
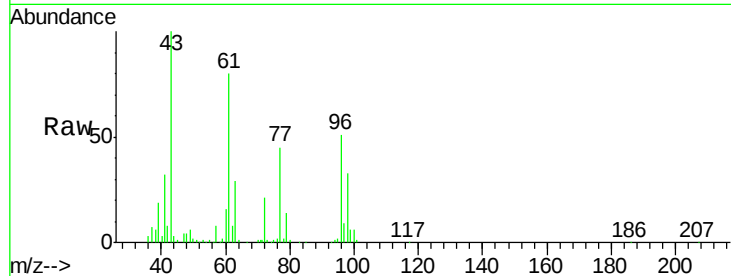
72 21.3 16.6 24.8

Manual Integrations

APPROVED

MMDadoda

9/4/2019 9:34:39 AM



#26

2,2-Dichloropropane

Concen: 21.320 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012562.D

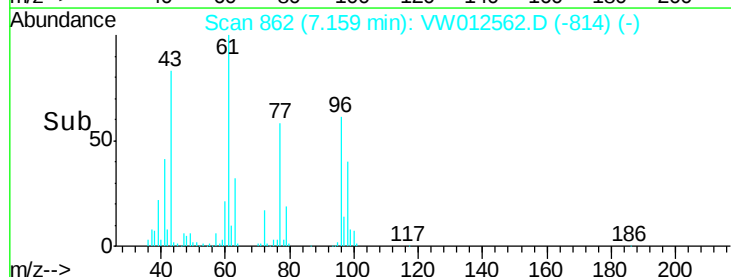
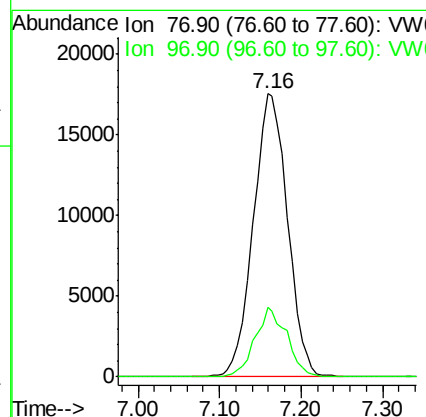
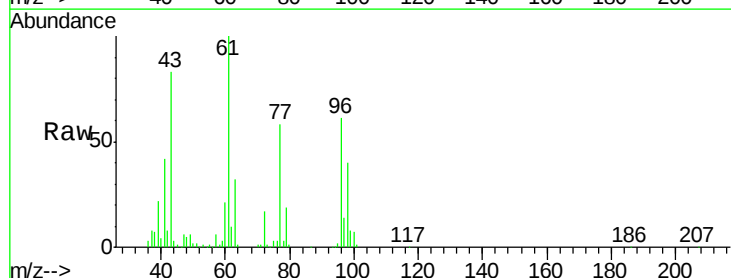
Acq: 03 Sep 2019 23:14

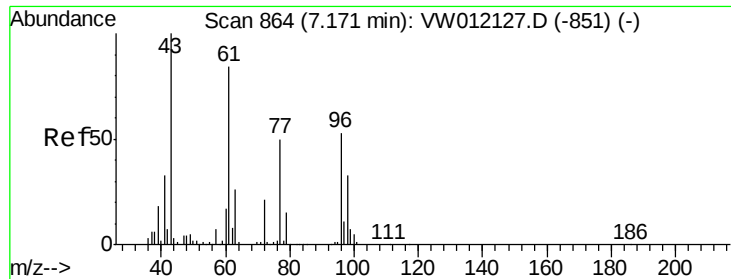
Tgt Ion: 77 Resp: 51272

Ion Ratio Lower Upper

77 100

97 22.8 11.1 33.1





#27

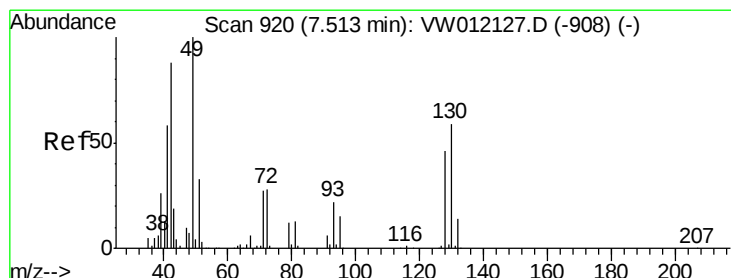
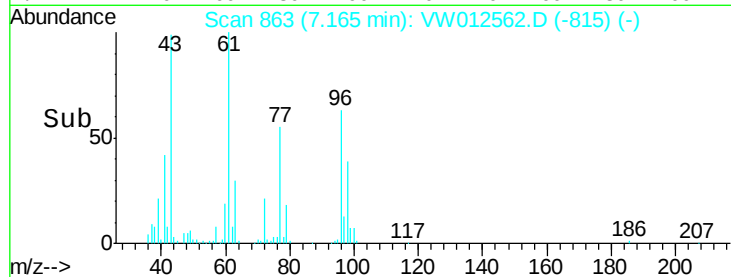
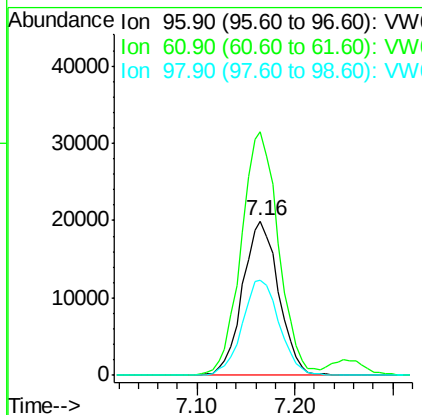
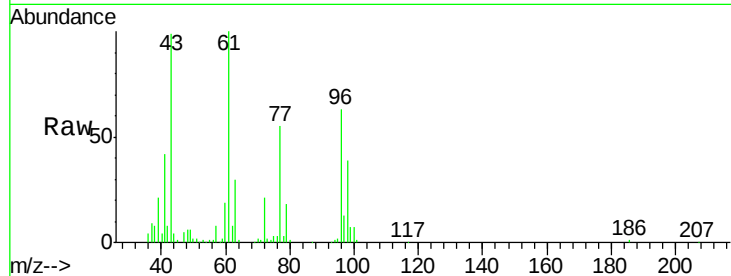
cis-1,2-Dichloroethene  
Concen: 22.647 ug/l  
RT: 7.16 min Scan# 863  
Delta R.T. -0.01 min  
Lab File: VW012562.D  
Acq: 03 Sep 2019 23:14

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0903SBS04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 163.2 | 0.0   | 326.6 |
| 98      | 63.5  | 0.0   | 127.4 |

Manual Integrations  
APPROVED

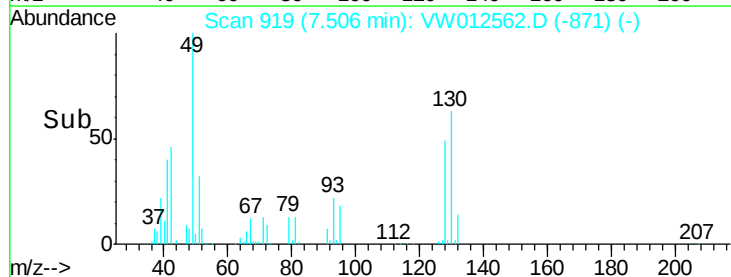
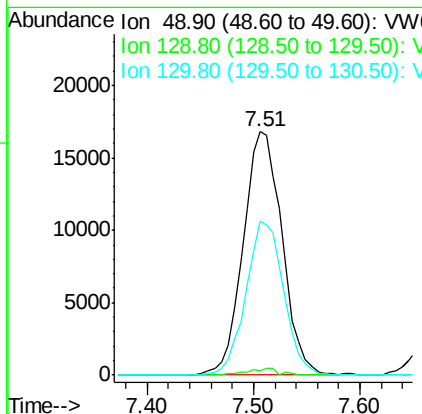
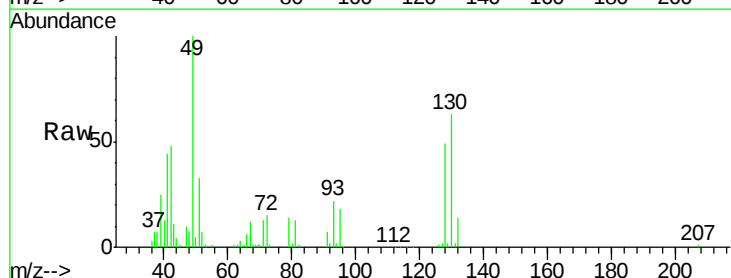
MMDadoda  
9/4/2019 9:34:39 AM

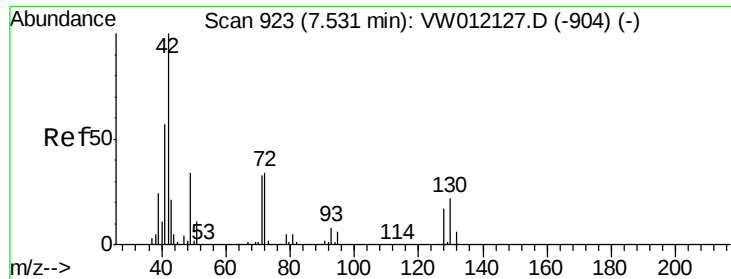


#28

Bromochloromethane  
Concen: 23.232 ug/l  
RT: 7.51 min Scan# 919  
Delta R.T. -0.01 min  
Lab File: VW012562.D  
Acq: 03 Sep 2019 23:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.1   | 0.0   | 1.4#  |
| 130     | 61.4  | 45.5  | 68.3  |





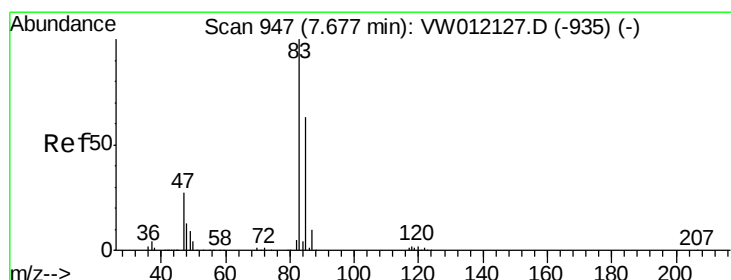
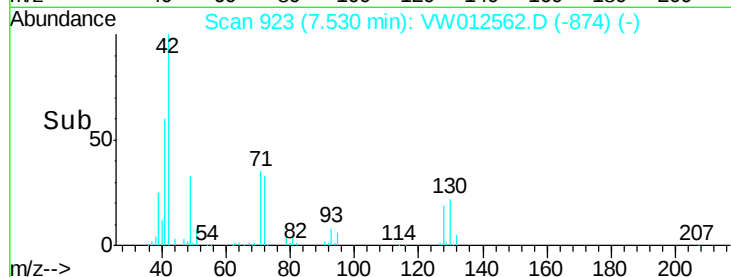
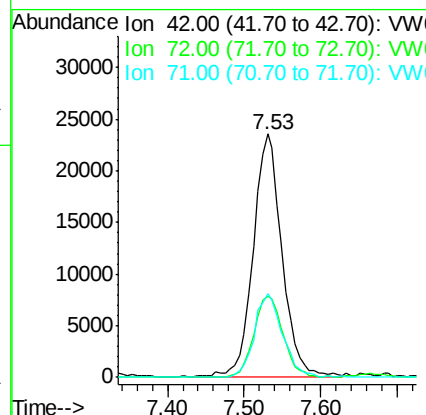
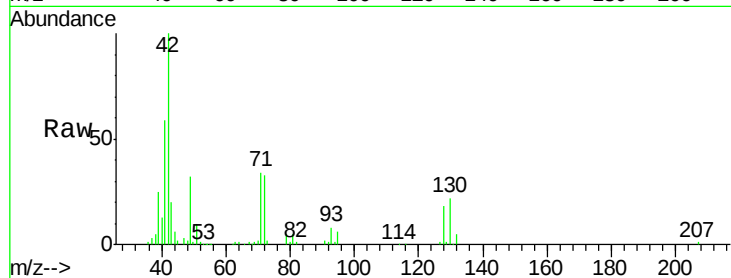
#29  
Tetrahydrofuran  
Concen: 125.891 ug/l  
RT: 7.53 min Scan# 923  
Delta R.T. -0.00 min  
Lab File: VW012562.D  
Acq: 03 Sep 2019 23:14

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0903SBS04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 34.1  | 27.3  | 40.9  |
| 71      | 33.7  | 25.5  | 38.3  |

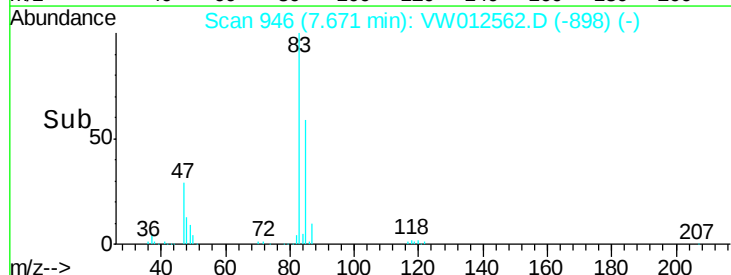
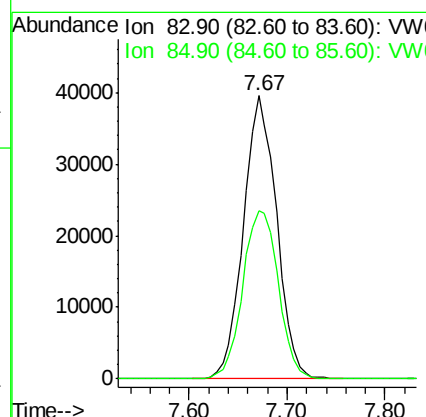
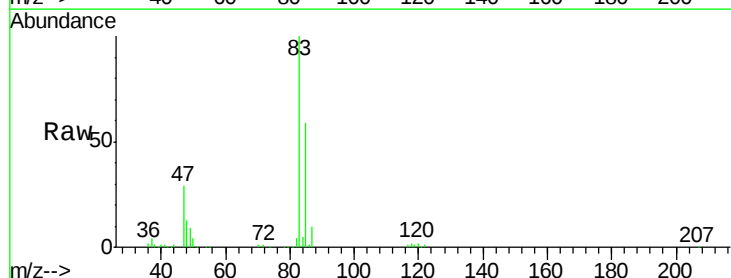
Manual Integrations  
APPROVED

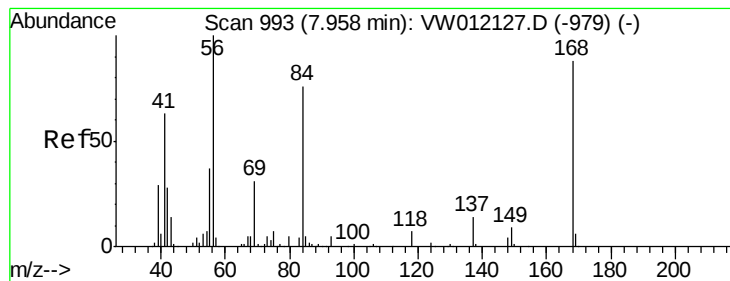
MMDadoda  
9/4/2019 9:34:39 AM



#30  
Chloroform  
Concen: 23.996 ug/l  
RT: 7.67 min Scan# 946  
Delta R.T. -0.01 min  
Lab File: VW012562.D  
Acq: 03 Sep 2019 23:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 59.4  | 50.6  | 76.0  |





#31

Cyclohexane

Concen: 17.827 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012562.D

Acq: 03 Sep 2019 23:14

Instrument :

MSVOA\_W

ClientSampleId :

VW0903SBS04

Tot Ion: 56 Resp: 74936

Ion Ratio Lower Upper

56 100

69 38.2 24.9 37.3#

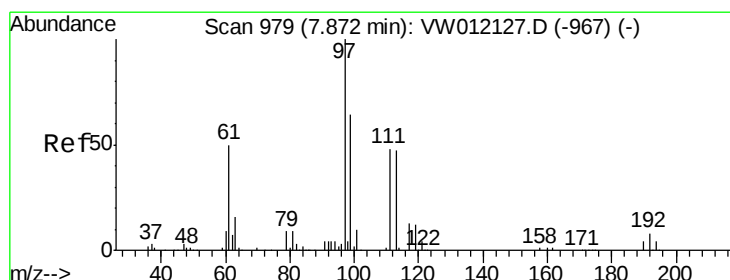
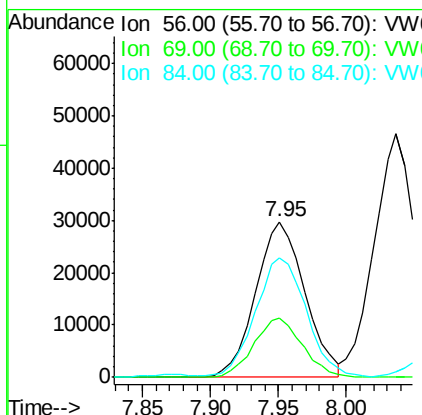
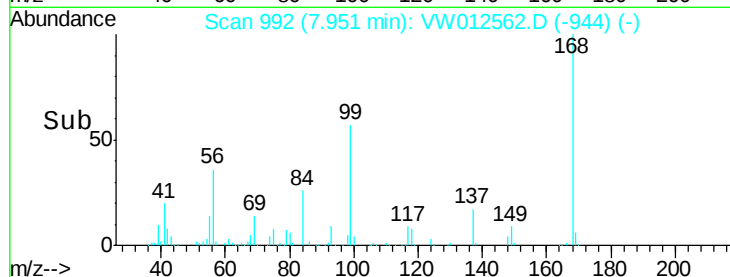
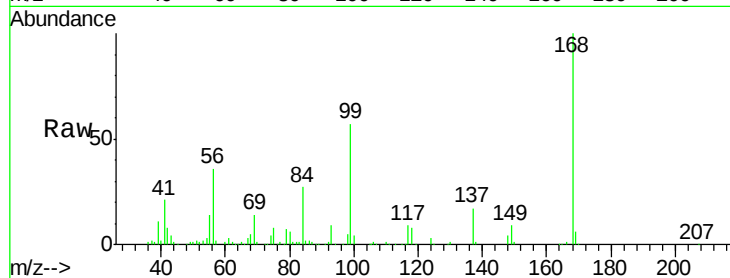
84 75.7 60.6 90.8

Manual Integrations

APPROVED

MMDadoda

9/4/2019 9:34:39 AM



#32

1,1,1-Trichloroethane

Concen: 22.765 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012562.D

Acq: 03 Sep 2019 23:14

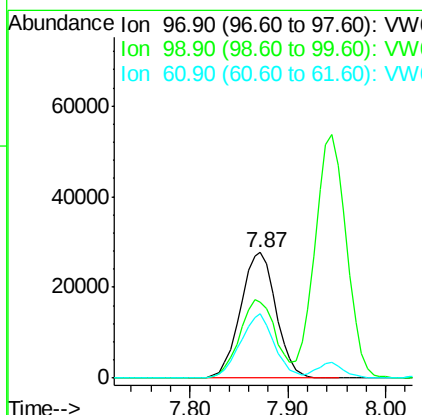
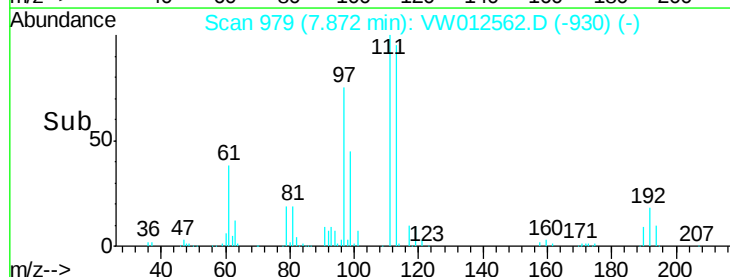
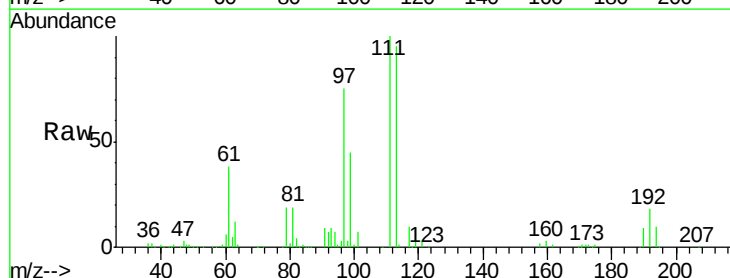
Tgt Ion: 97 Resp: 70003

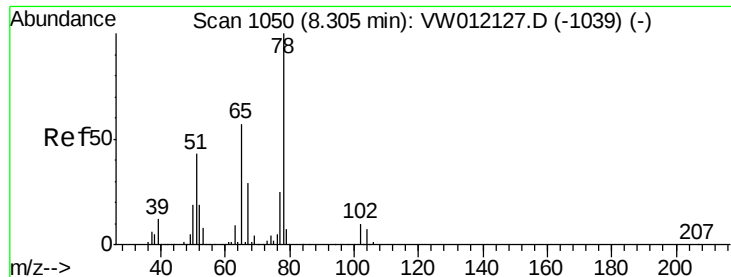
Ion Ratio Lower Upper

97 100

99 62.7 51.4 77.0

61 49.0 39.5 59.3





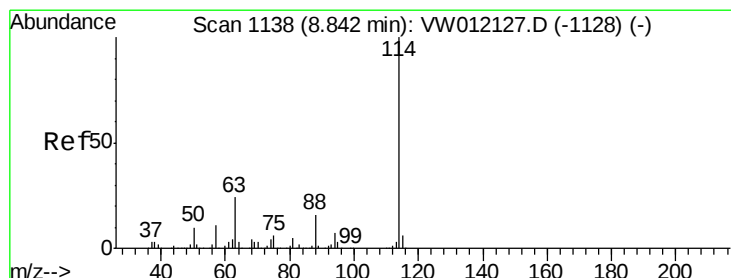
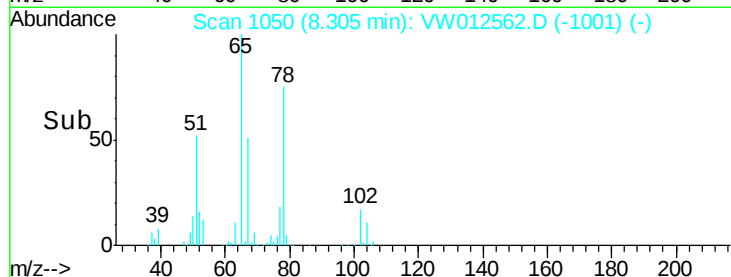
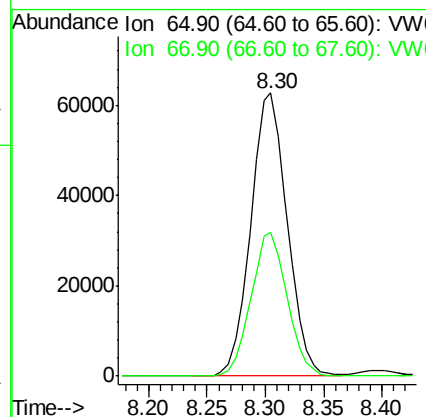
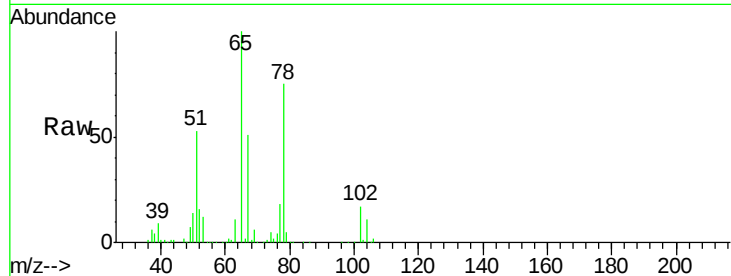
#33  
 1,2-Dichloroethane-d4  
 Concen: 58.389 ug/l  
 RT: 8.30 min Scan# 1050  
 Delta R.T. -0.00 min  
 Lab File: VW012562.D  
 Acq: 03 Sep 2019 23:14

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0903SBS04

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 136265 |       |       |
| 67      | 50.4  | 0.0    | 102.6 |       |

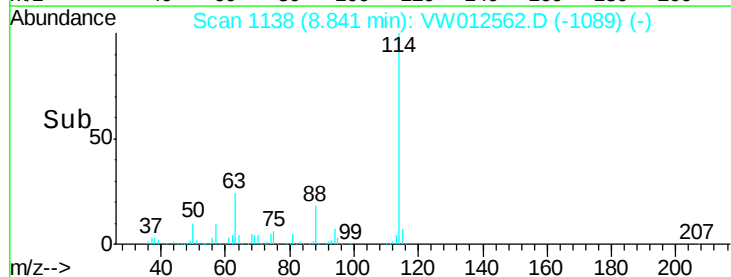
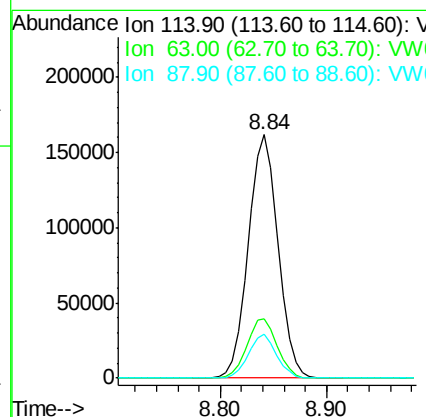
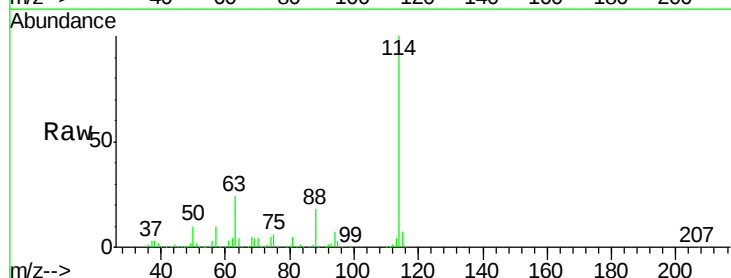
Manual Integrations  
 APPROVED

MMDadoda  
 9/4/2019 9:34:39 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW012562.D  
 Acq: 03 Sep 2019 23:14

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 317375 |       |       |
| 63      | 24.4  | 0.0    | 48.6  |       |
| 88      | 18.1  | 0.0    | 32.2  |       |





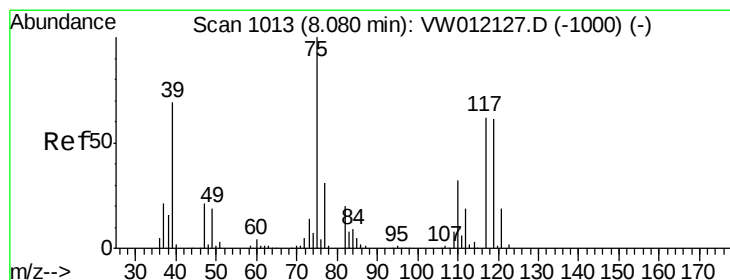
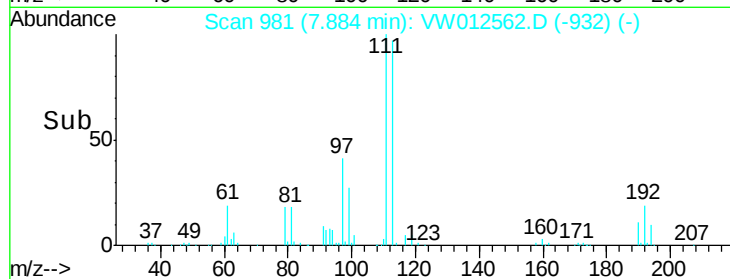
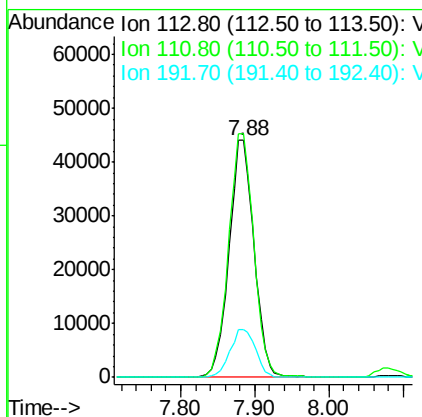
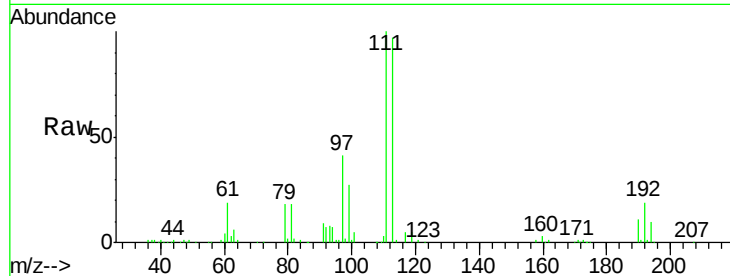
#35  
 Dibromofluoromethane  
 Concen: 54.742 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.00 min  
 Lab File: VW012562.D  
 Acq: 03 Sep 2019 23:14

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0903SBS04

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 103705 |       |       |
| 111     | 103.4 | 82.7   | 124.1 |       |
| 192     | 20.8  | 16.2   | 24.2  |       |

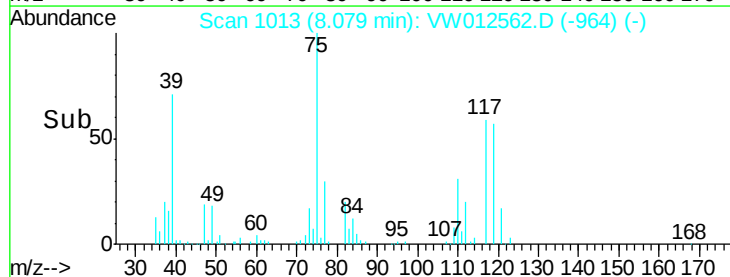
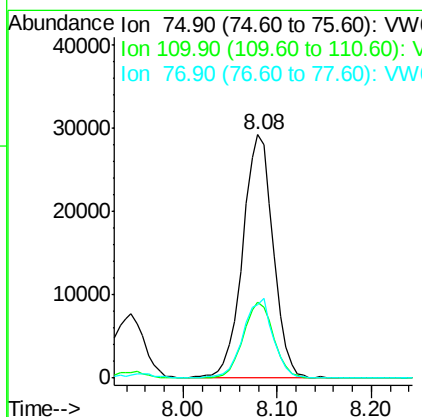
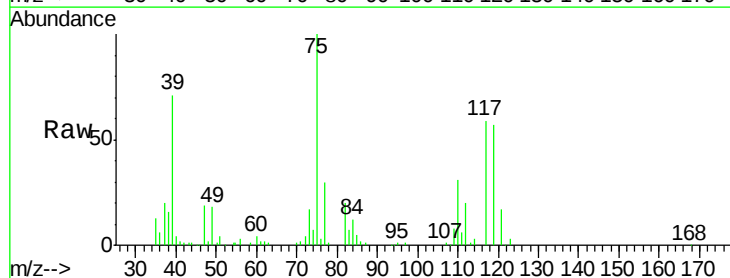
Manual Integrations  
 APPROVED

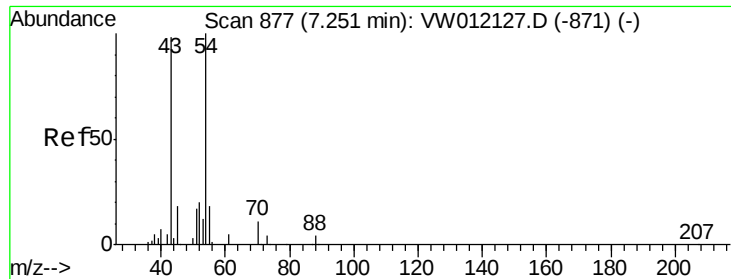
MMDadoda  
 9/4/2019 9:34:39 AM



#36  
 1,1-Dichloropropene  
 Concen: 20.225 ug/l  
 RT: 8.08 min Scan# 1013  
 Delta R.T. -0.00 min  
 Lab File: VW012562.D  
 Acq: 03 Sep 2019 23:14

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 66332 |       |       |
| 110     | 31.1  | 15.6  | 46.8  |       |
| 77      | 32.2  | 24.6  | 36.8  |       |





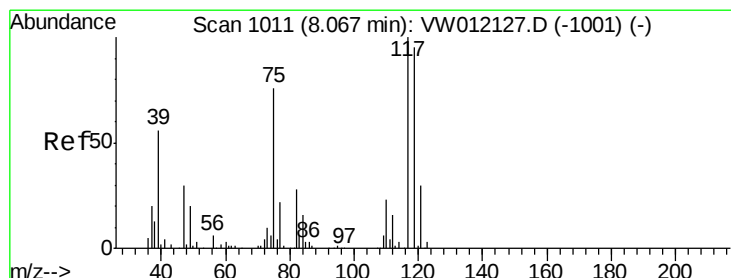
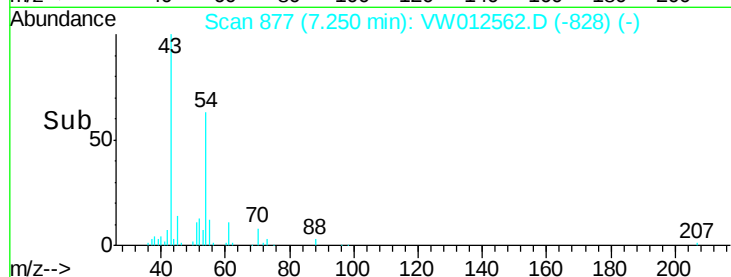
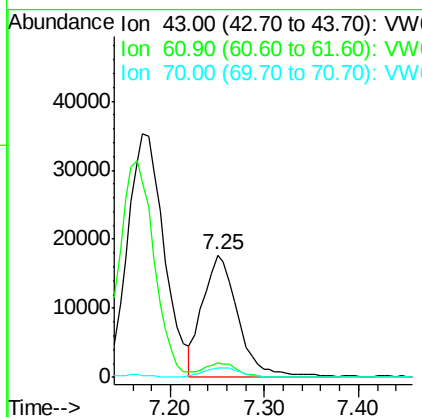
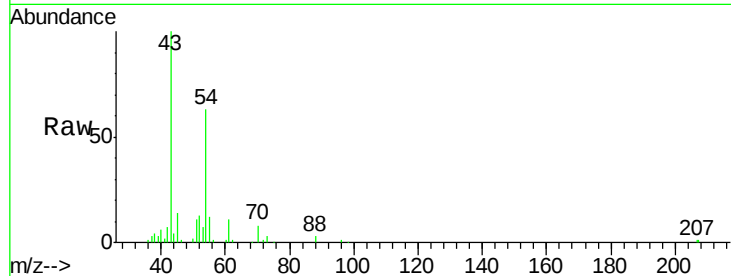
#37  
Ethyl Acetate  
Concen: 25.163 ug/l  
RT: 7.25 min Scan# 877  
Delta R.T. -0.00 min  
Lab File: VW012562.D  
Acq: 03 Sep 2019 23:14

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0903SBS04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 11.2  | 9.2   | 13.8  |
| 70      | 8.3   | 6.9   | 10.3  |

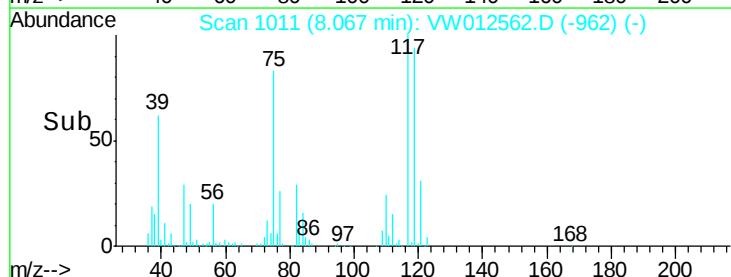
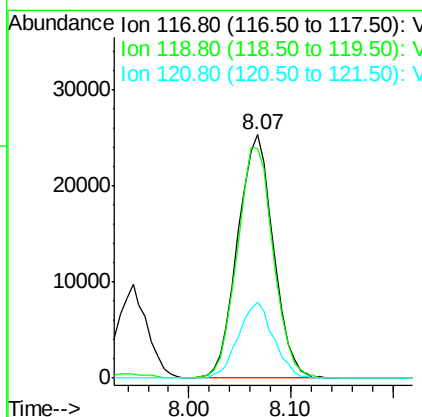
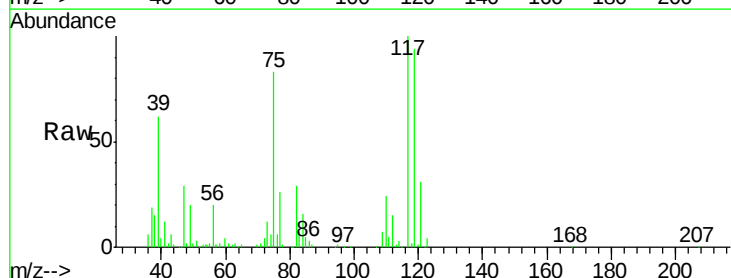
Manual Integrations  
APPROVED

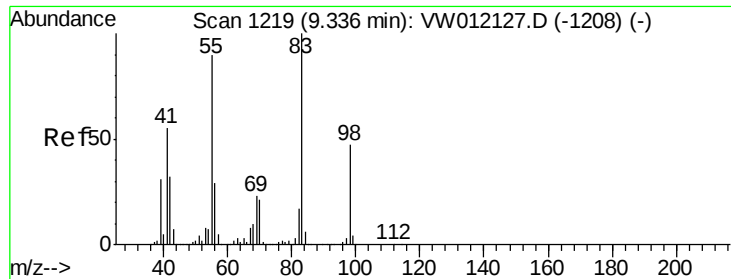
MMDadoda  
9/4/2019 9:34:39 AM



#38  
Carbon Tetrachloride  
Concen: 21.708 ug/l  
RT: 8.07 min Scan# 1011  
Delta R.T. -0.00 min  
Lab File: VW012562.D  
Acq: 03 Sep 2019 23:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 94.1  | 76.2  | 114.2 |
| 121     | 31.3  | 23.8  | 35.8  |





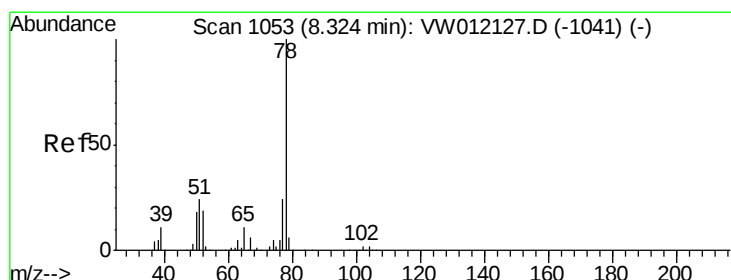
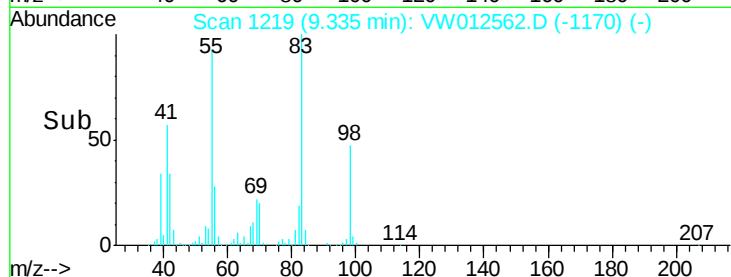
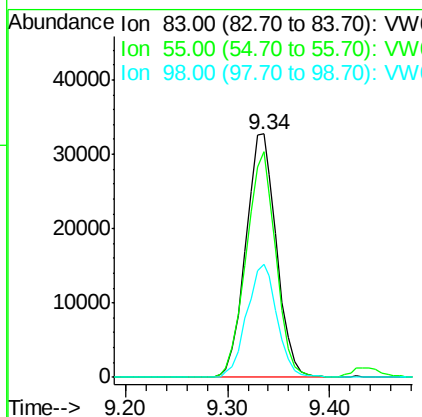
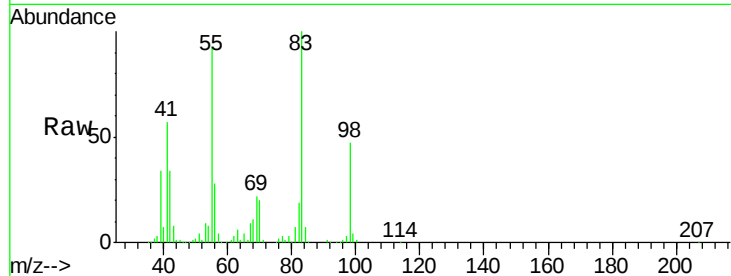
#39  
Methvlcvclohexane  
Concen: 18.610 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. -0.00 min  
Lab File: VW012562.D  
Acq: 03 Sep 2019 23:14

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0903SBS04

| Tot Ion | 83    | Resp  | 68568 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 83      | 100   |       |       |
| 55      | 92.6  | 71.8  | 107.8 |
| 98      | 46.7  | 37.8  | 56.8  |

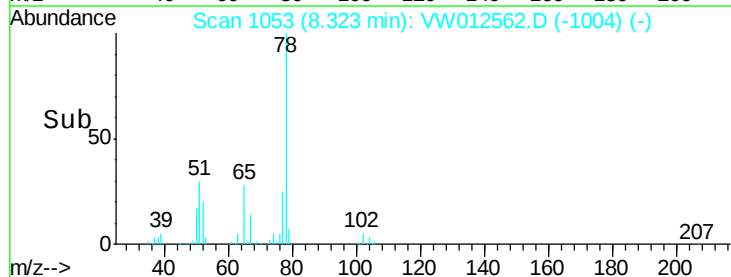
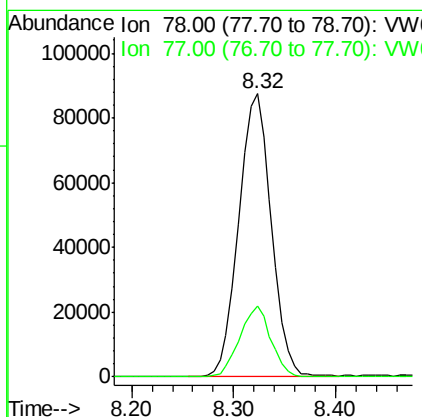
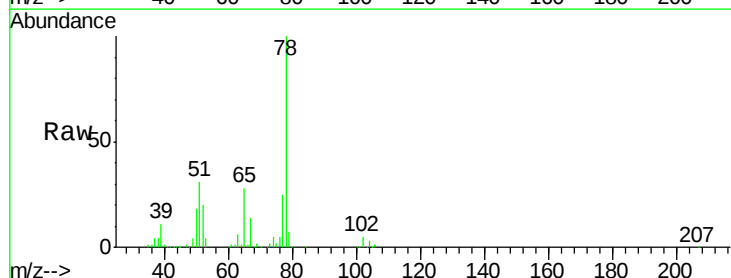
Manual Integrations  
APPROVED

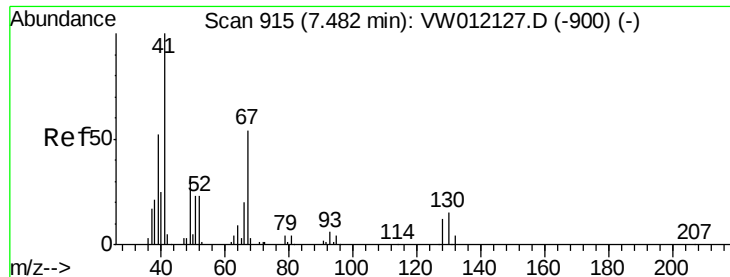
MMDadoda  
9/4/2019 9:34:39 AM



#40  
Benzene  
Concen: 21.673 ug/l  
RT: 8.32 min Scan# 1053  
Delta R.T. -0.00 min  
Lab File: VW012562.D  
Acq: 03 Sep 2019 23:14

| Tgt Ion | 78    | Resp  | 194093 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 78      | 100   |       |        |
| 77      | 25.0  | 19.5  | 29.3   |





#41

Methacrylonitrile

Concen: 27.280 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW012562.D

Acq: 03 Sep 2019 23:14

Instrument :

MSVOA\_W

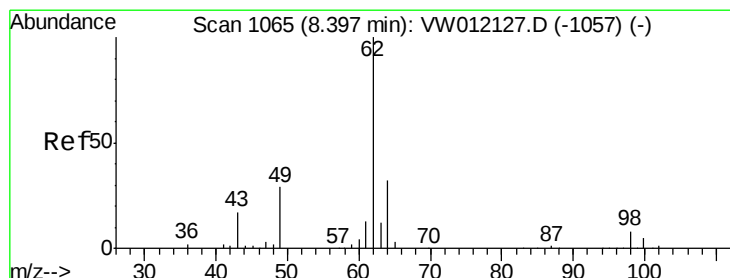
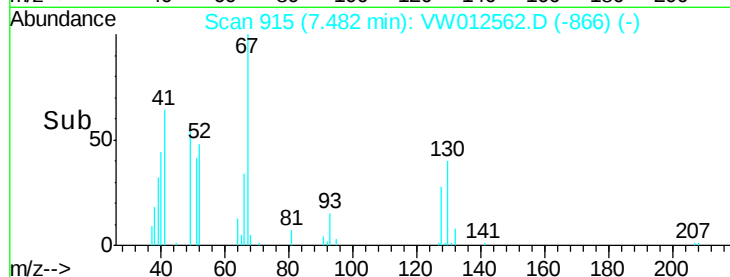
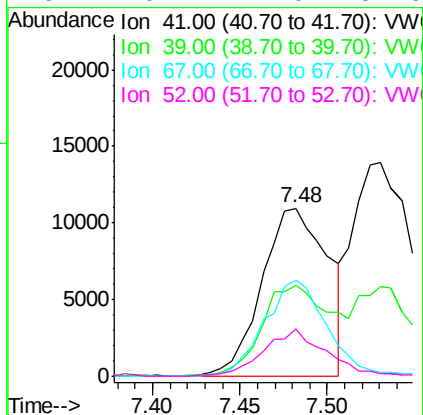
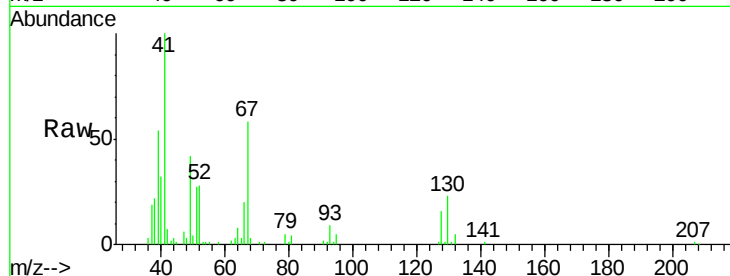
ClientSampleId :

VW0903SBS04

| Tot Ion | 41    | Resp  | 28816 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 41      | 100   |       |       |
| 39      | 59.4  | 45.8  | 68.8  |
| 67      | 54.8  | 46.2  | 69.4  |
| 52      | 26.4  | 21.0  | 31.6  |

Manual Integrations  
APPROVED

MMDadoda  
9/4/2019 9:34:39 AM



#42

1,2-Dichloroethane

Concen: 25.110 ug/l

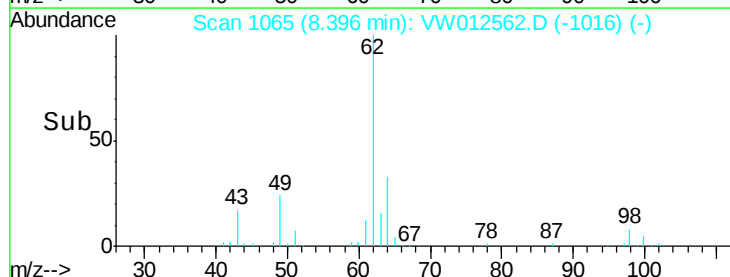
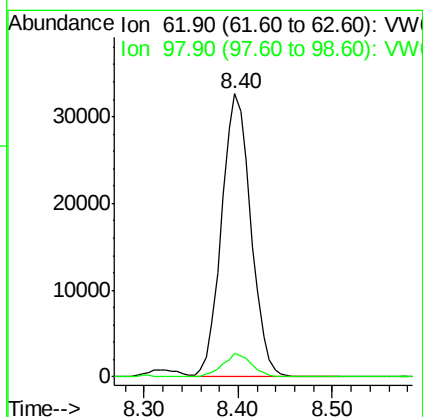
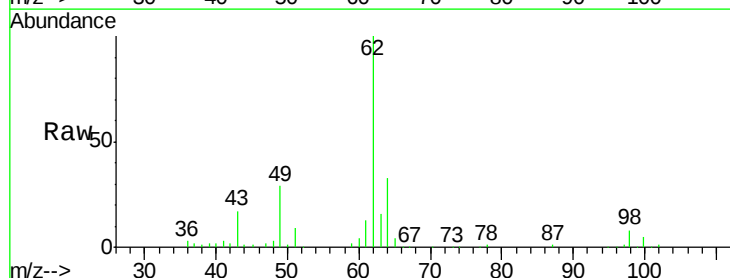
RT: 8.40 min Scan# 1065

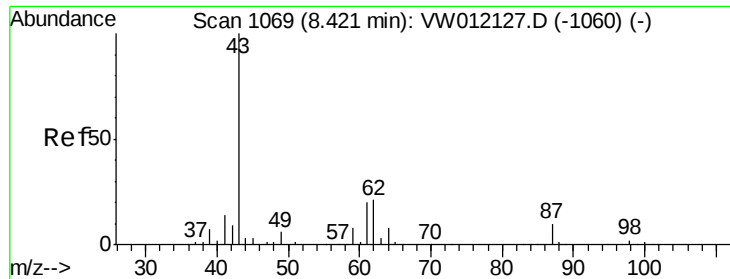
Delta R.T. -0.00 min

Lab File: VW012562.D

Acq: 03 Sep 2019 23:14

| Tgt Ion | 62    | Resp  | 70478 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 62      | 100   |       |       |
| 98      | 8.1   | 0.0   | 16.6  |





#43

Isopropyl Acetate

Concen: 24.585 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012562.D

Acq: 03 Sep 2019 23:14

Instrument :

MSVOA\_W

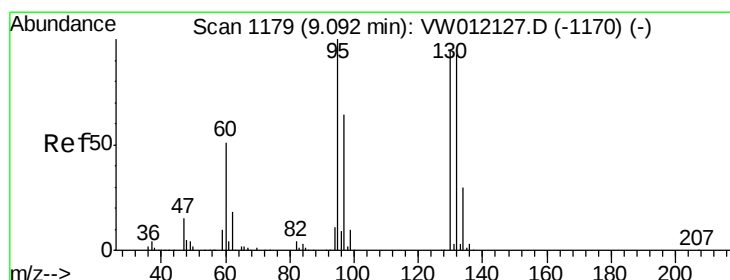
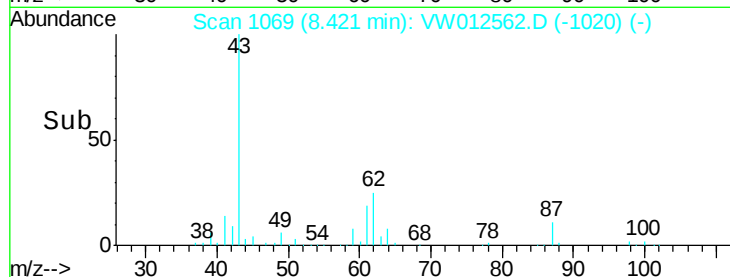
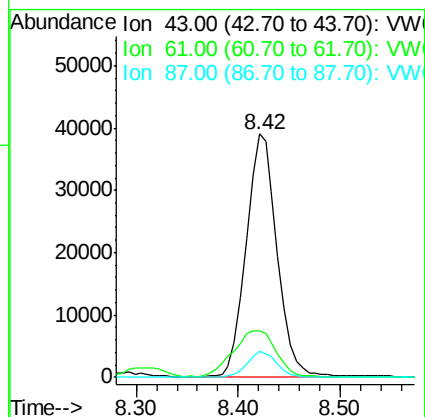
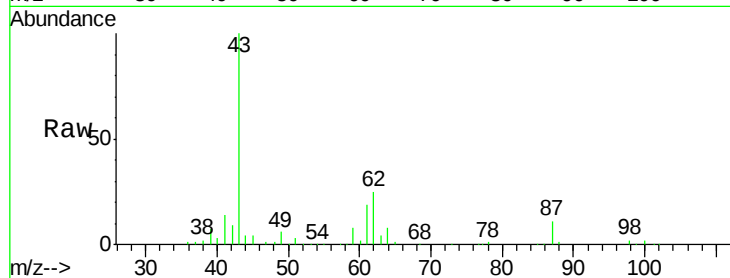
ClientSampleId :

VW0903SBS04

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 81844 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 27.3  | 21.1  | 31.7  |
| 87       | 10.3  | 8.2   | 12.2  |

Manual Integrations  
APPROVED

MMDadoda  
9/4/2019 9:34:39 AM



#44

Trichloroethene

Concen: 21.854 ug/l

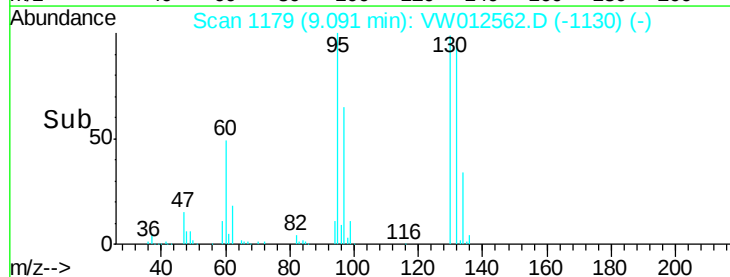
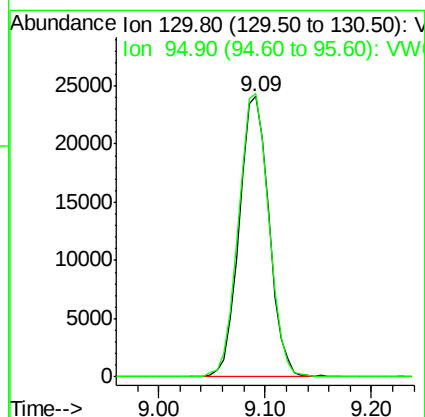
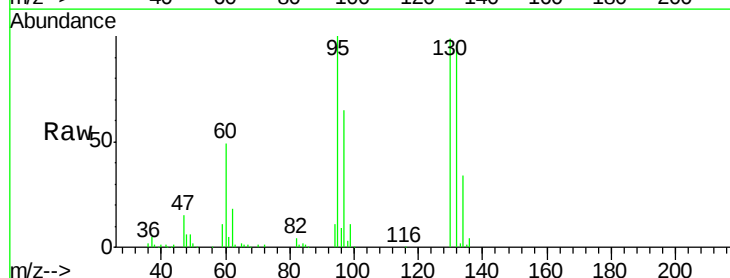
RT: 9.09 min Scan# 1179

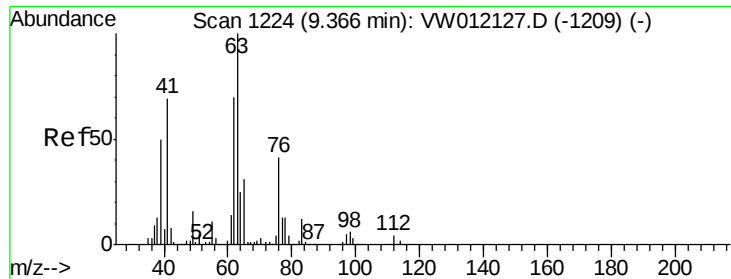
Delta R.T. -0.00 min

Lab File: VW012562.D

Acq: 03 Sep 2019 23:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 47578 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 100.8 | 0.0   | 210.6 |





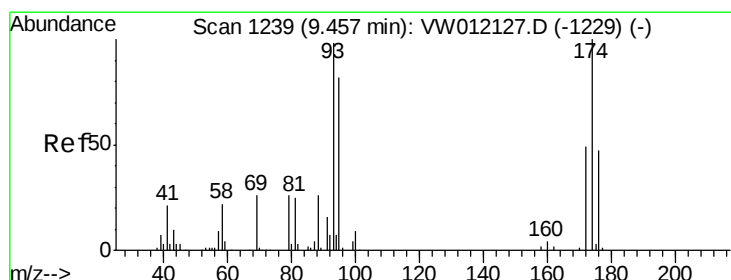
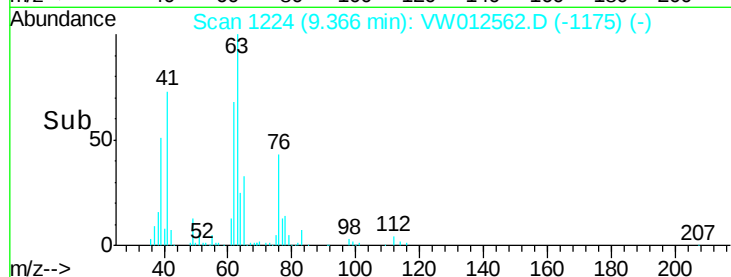
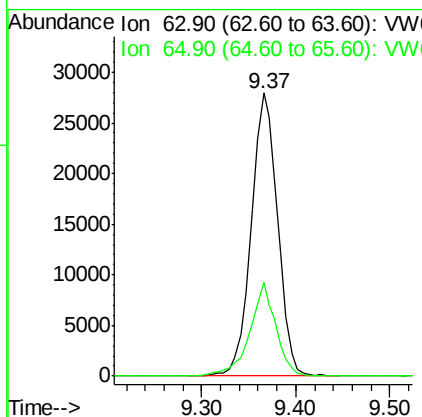
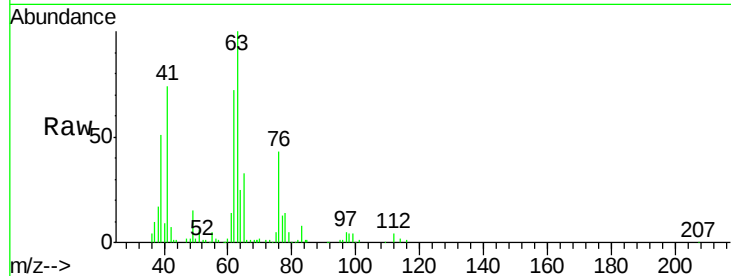
#45  
 1,2-Dichloropropane  
 Concen: 22.870 ug/l  
 RT: 9.37 min Scan# 1224  
 Delta R.T. -0.00 min  
 Lab File: VW012562.D  
 Acq: 03 Sep 2019 23:14

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0903SBS04

Tot Ion: 63 Resp: 55120  
 Ion Ratio Lower Upper  
 63 100  
 65 33.2 25.0 37.4

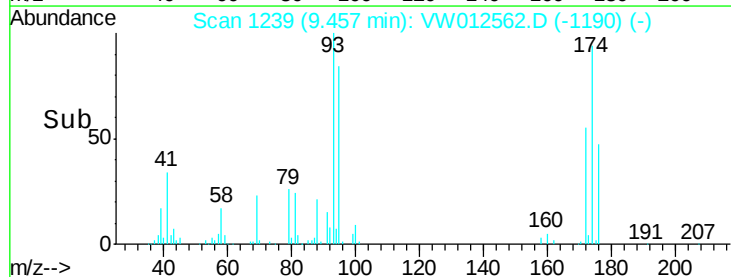
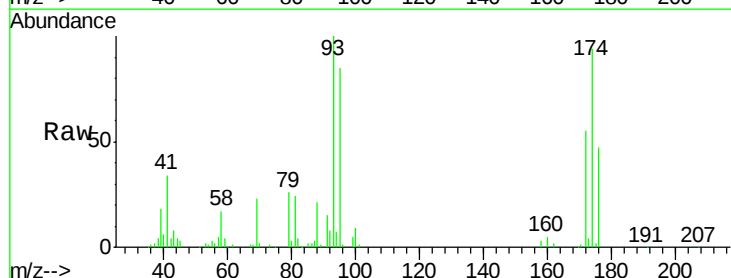
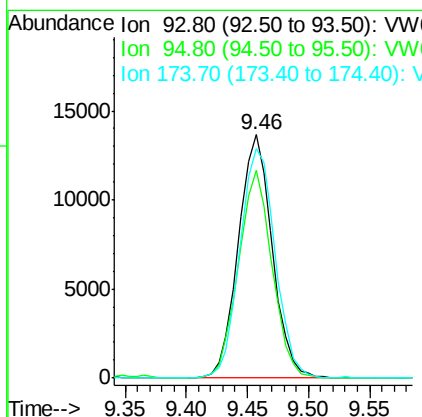
Manual Integrations  
 APPROVED

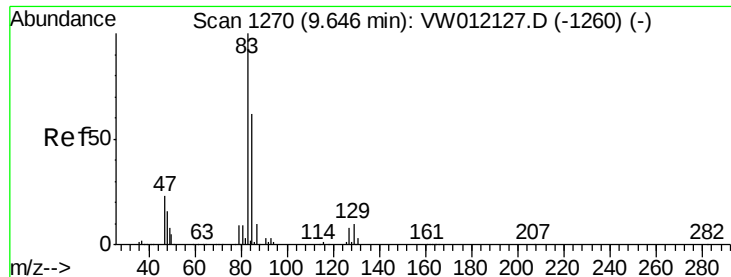
MMDadoda  
 9/4/2019 9:34:39 AM



#46  
 Dibromomethane  
 Concen: 24.424 ug/l  
 RT: 9.46 min Scan# 1239  
 Delta R.T. -0.00 min  
 Lab File: VW012562.D  
 Acq: 03 Sep 2019 23:14

Tgt Ion: 93 Resp: 26191  
 Ion Ratio Lower Upper  
 93 100  
 95 84.8 67.2 100.8  
 174 98.6 79.0 118.6





#47

Bromodichloromethane

Concen: 23.751 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012562.D

Acq: 03 Sep 2019 23:14

Instrument :

MSVOA\_W

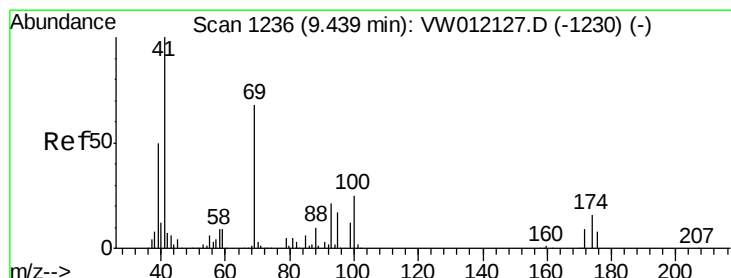
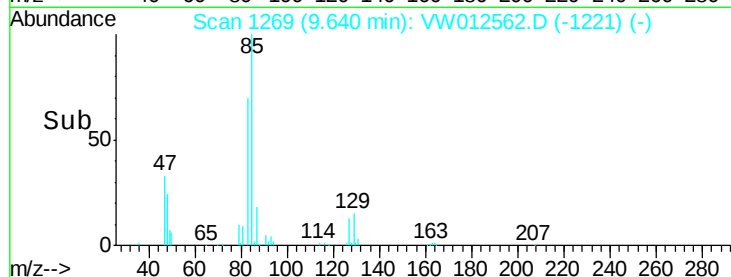
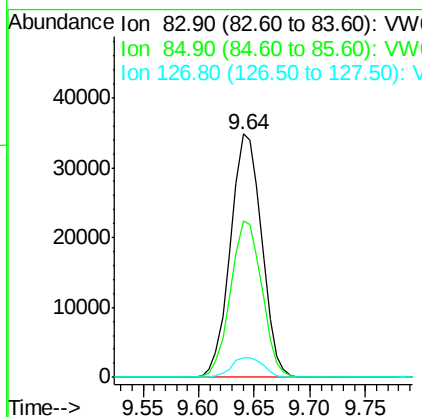
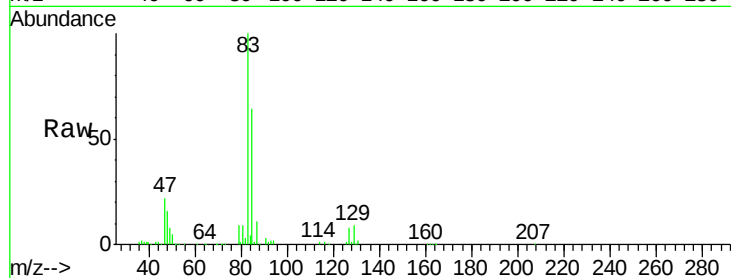
ClientSampleId :

VW0903SBS04

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 67787 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 64.1  | 49.4  | 74.2  |
| 127       | 8.0   | 6.1   | 9.1   |

Manual Integrations  
APPROVED

MMDadoda  
9/4/2019 9:34:39 AM



#48

Methyl methacrylate

Concen: 24.590 ug/l

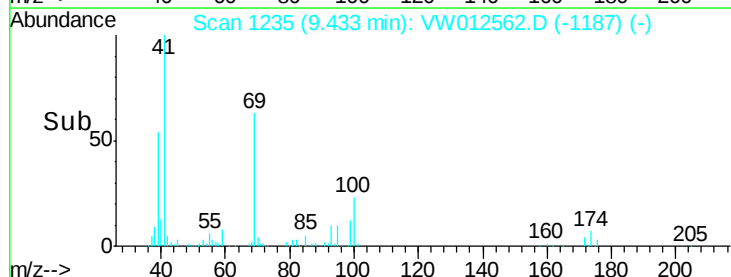
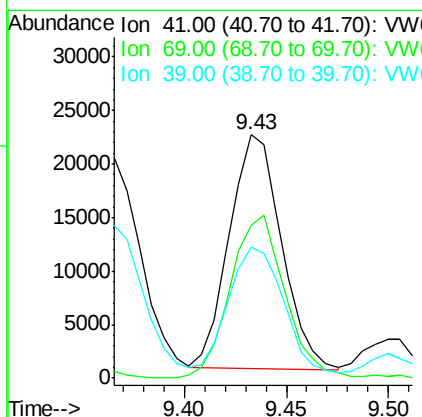
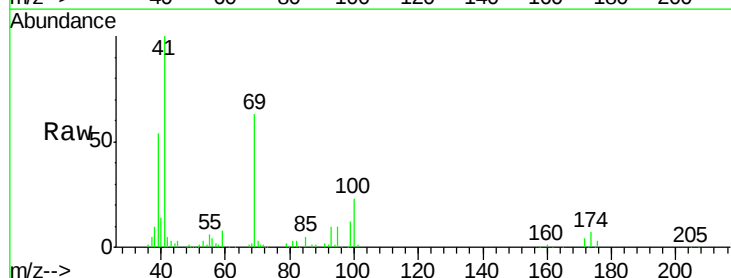
RT: 9.43 min Scan# 1235

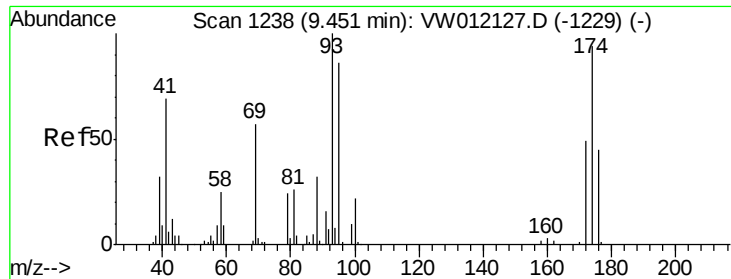
Delta R.T. -0.01 min

Lab File: VW012562.D

Acq: 03 Sep 2019 23:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 38961 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 71.8  | 56.7  | 85.1  |
| 39        | 60.4  | 42.0  | 63.0  |





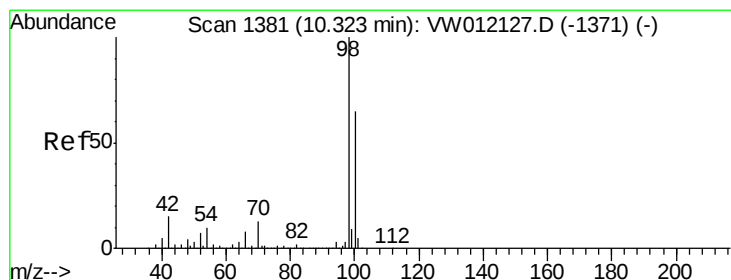
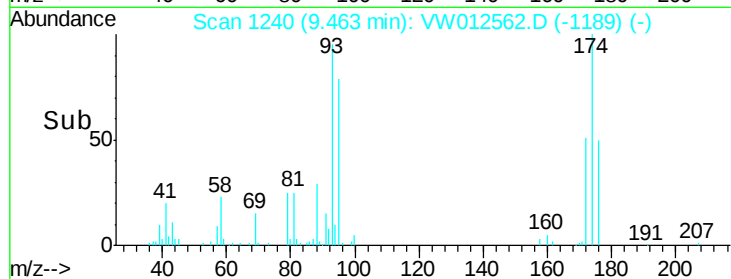
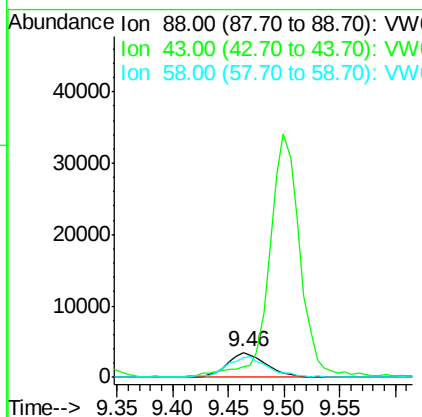
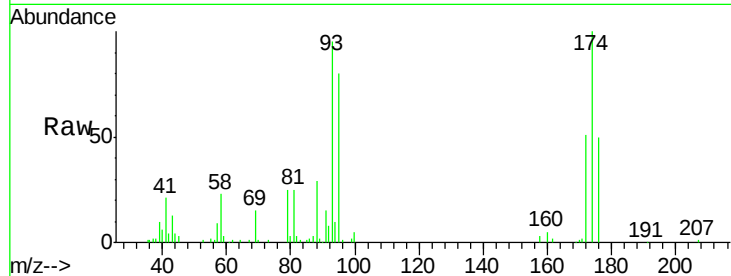
#49  
1,4-Dioxane  
Concen: 512.041 ug/l  
RT: 9.46 min Scan# 1240  
Delta R.T. 0.01 min  
Lab File: VW012562.D  
Acq: 03 Sep 2019 23:14

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0903SBS04

| Tot Ion | 88    | Resp  | 8406  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 0.0   | 32.9  | 49.3# |
| 58      | 90.9  | 71.0  | 106.4 |

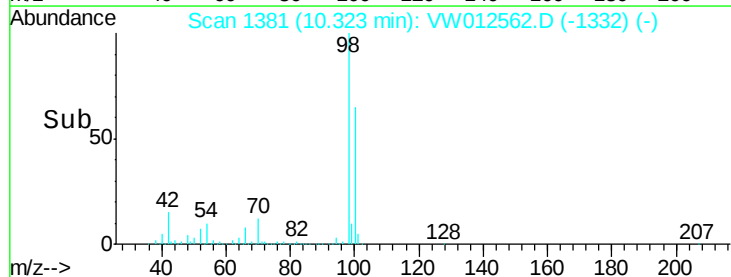
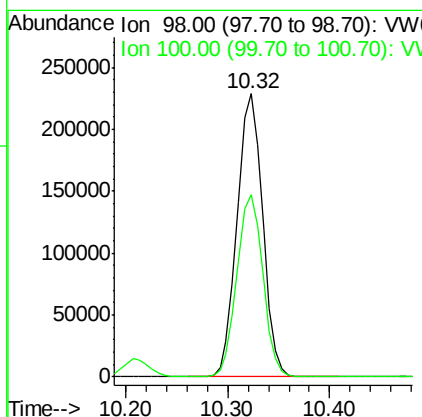
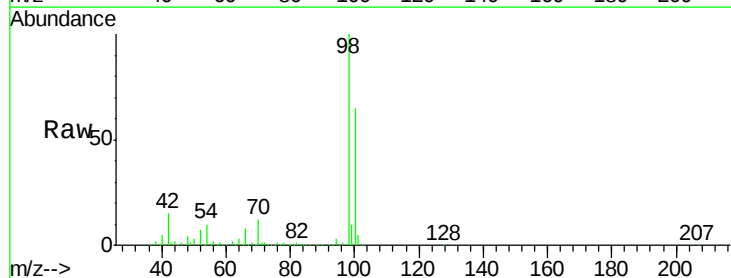
Manual Integrations  
APPROVED

MMDadoda  
9/4/2019 9:34:39 AM



#50  
Toluene-d8  
Concen: 51.670 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. -0.00 min  
Lab File: VW012562.D  
Acq: 03 Sep 2019 23:14

| Tgt Ion | 98    | Resp  | 396895 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 98      | 100   |       |        |
| 100     | 65.3  | 52.4  | 78.6   |





#51

4-Methyl-2-Pentanone

Concen: 127.345 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012562.D

Acq: 03 Sep 2019 23:14

Instrument :

MSVOA\_W

ClientSampleId :

VW0903SBS04

Tot Ion: 43 Resp: 215627

Ion Ratio Lower Upper

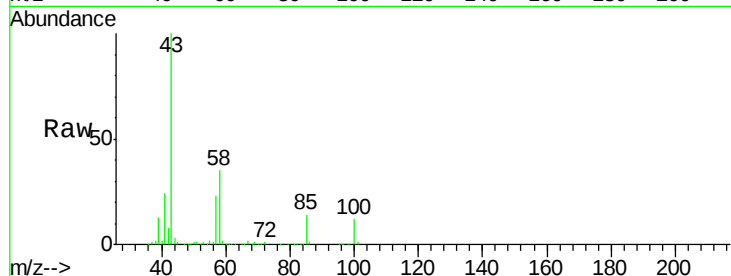
43 100

58 35.3 28.2 42.2

Manual Integrations  
APPROVED

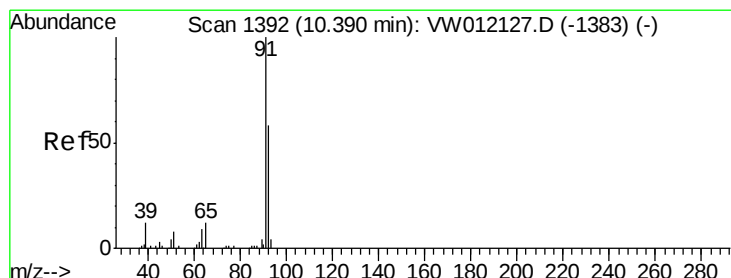
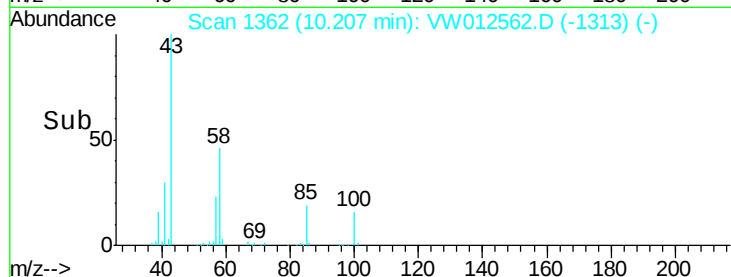
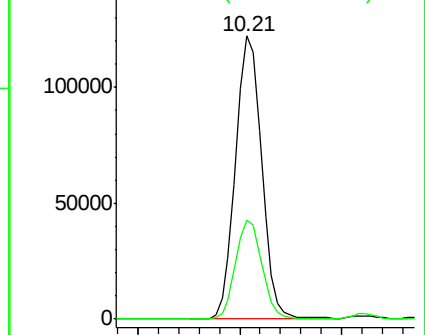
MMDadoda

9/4/2019 9:34:39 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 21.929 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012562.D

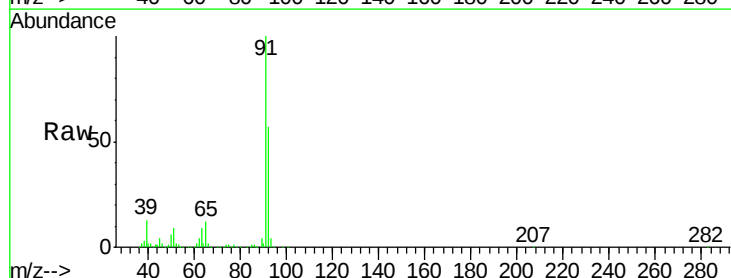
Acq: 03 Sep 2019 23:14

Tgt Ion: 92 Resp: 117978

Ion Ratio Lower Upper

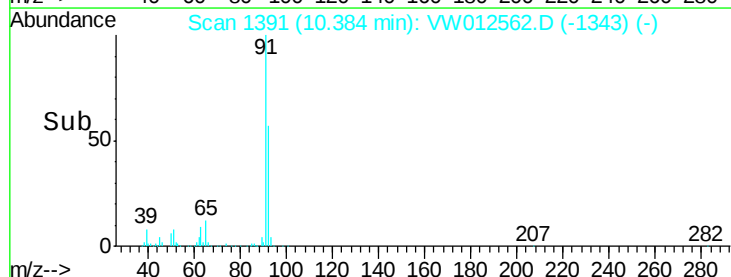
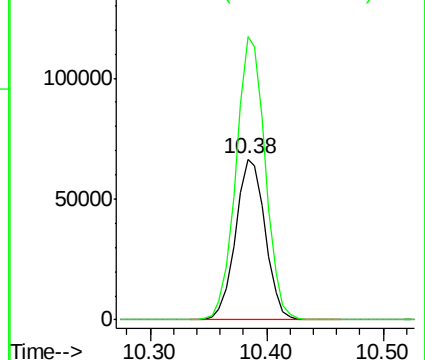
92 100

91 174.1 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





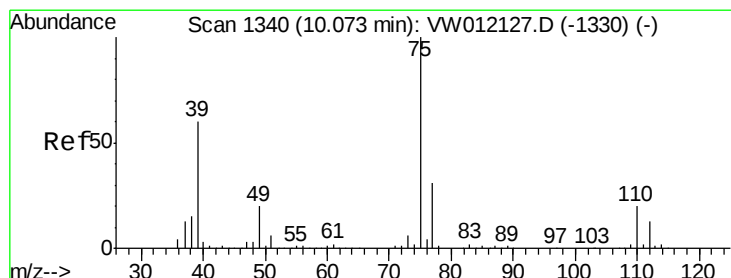
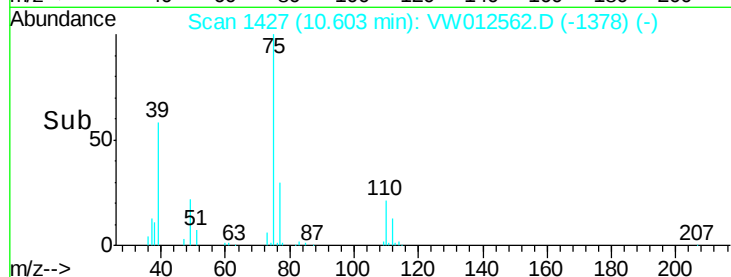
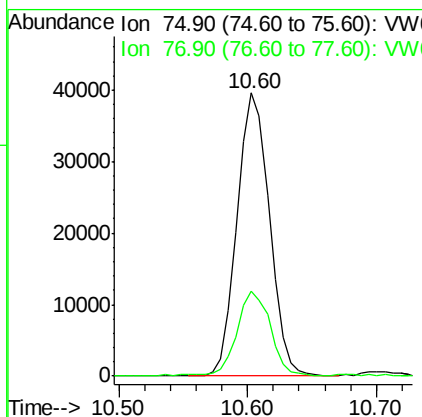
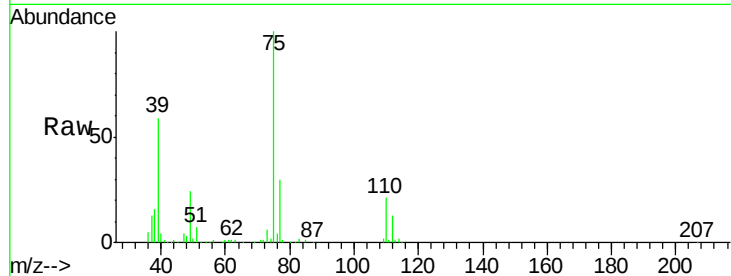
#53  
t-1,3-Dichloropropene  
Concen: 23.799 ug/l  
RT: 10.60 min Scan# 1427  
Delta R.T. -0.00 min  
Lab File: VW012562.D  
Acq: 03 Sep 2019 23:14

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0903SBS04

Tot Ion: 75 Resp: 69188  
Ion Ratio Lower Upper  
75 100  
77 29.7 25.0 37.4

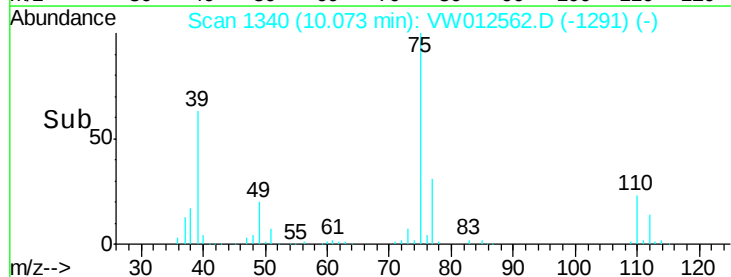
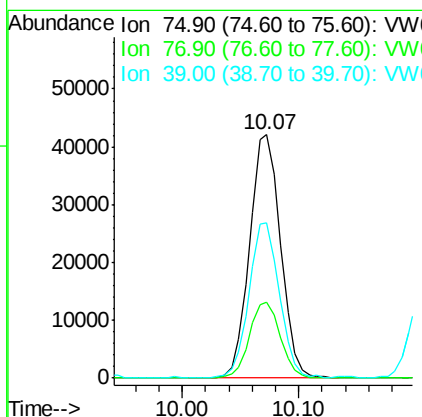
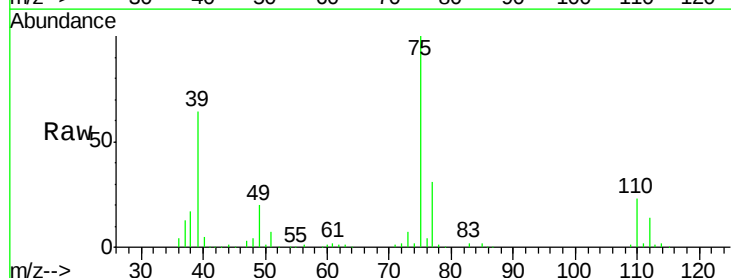
Manual Integrations  
APPROVED

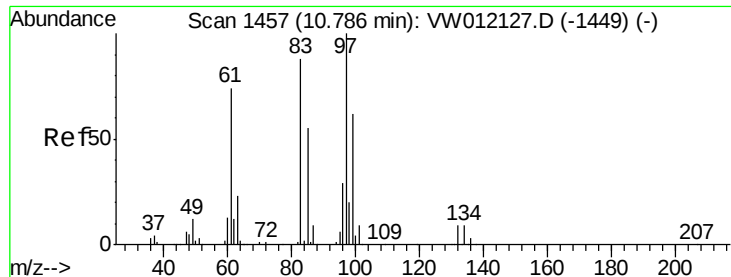
MMDadoda  
9/4/2019 9:34:39 AM



#54  
cis-1,3-Dichloropropene  
Concen: 22.321 ug/l  
RT: 10.07 min Scan# 1340  
Delta R.T. -0.00 min  
Lab File: VW012562.D  
Acq: 03 Sep 2019 23:14

Tgt Ion: 75 Resp: 78351  
Ion Ratio Lower Upper  
75 100  
77 31.4 25.1 37.7  
39 63.3 48.3 72.5





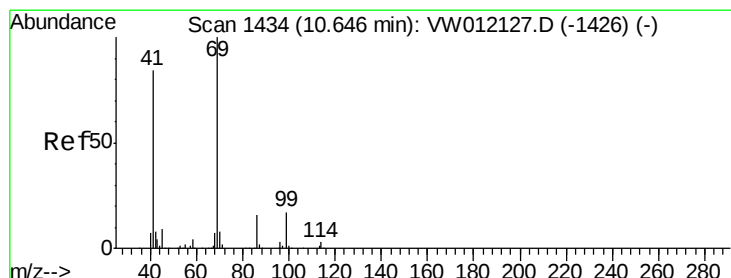
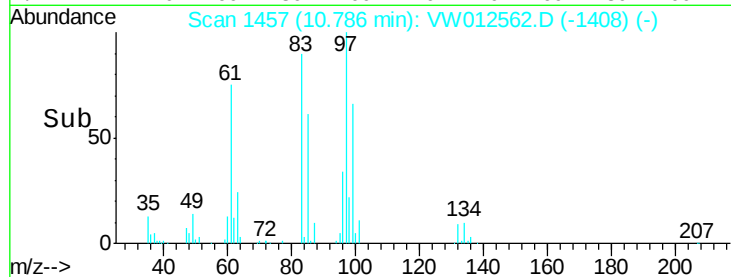
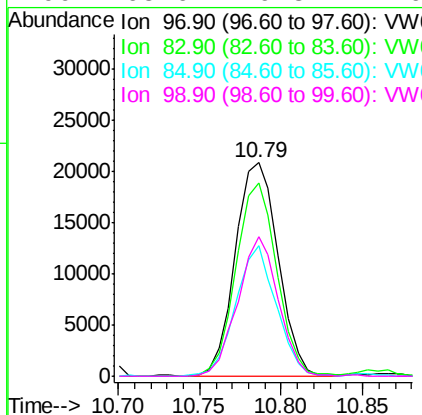
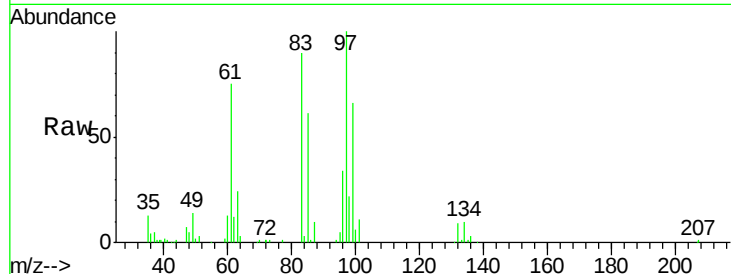
#55  
 1,1,2-Trichloroethane  
 Concen: 25.130 ug/l  
 RT: 10.79 min Scan# 1457  
 Delta R.T. -0.00 min  
 Lab File: VW012562.D  
 Acq: 03 Sep 2019 23:14

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0903SBS04

| Tot Ion | 97    | Resp  | 38128 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 97      | 100   |       |       |
| 83      | 90.2  | 70.8  | 106.2 |
| 85      | 61.1  | 43.8  | 65.8  |
| 99      | 65.6  | 49.8  | 74.6  |

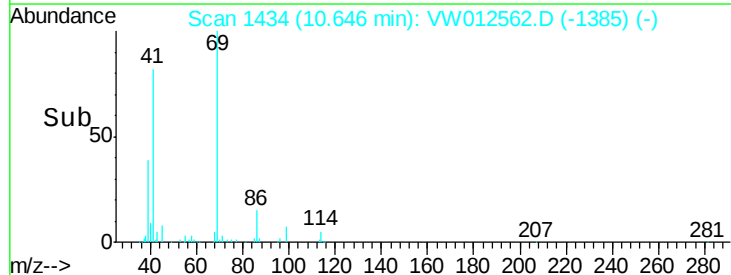
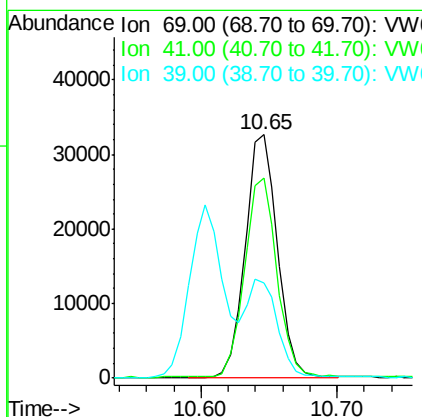
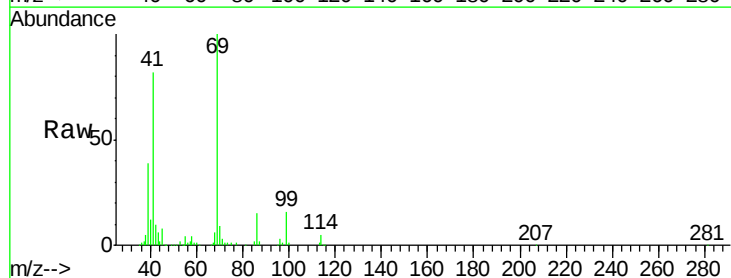
Manual Integrations  
 APPROVED

MMDadoda  
 9/4/2019 9:34:39 AM



#56  
 Ethyl methacrylate  
 Concen: 24.572 ug/l  
 RT: 10.65 min Scan# 1434  
 Delta R.T. -0.00 min  
 Lab File: VW012562.D  
 Acq: 03 Sep 2019 23:14

| Tgt Ion | 69    | Resp  | 54261 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 69      | 100   |       |       |
| 41      | 83.1  | 66.5  | 99.7  |
| 39      | 38.0  | 31.0  | 46.4  |





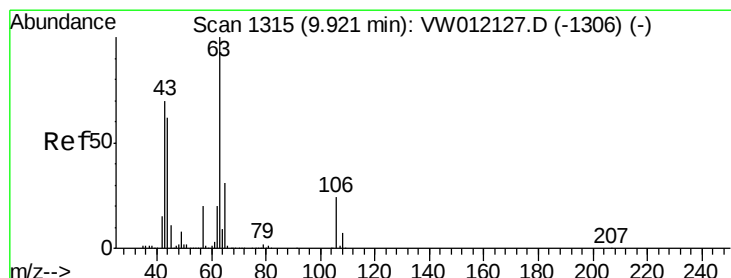
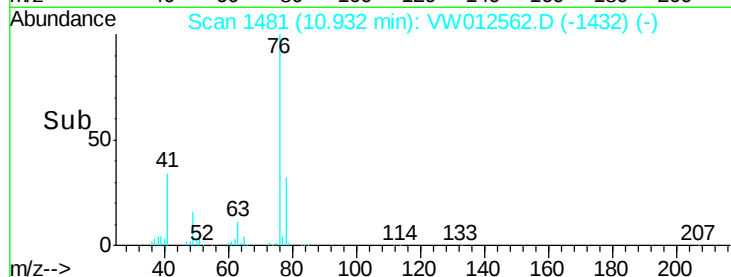
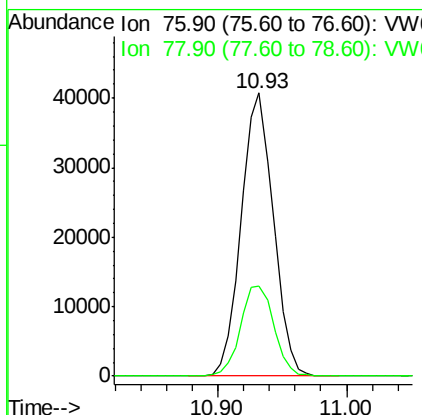
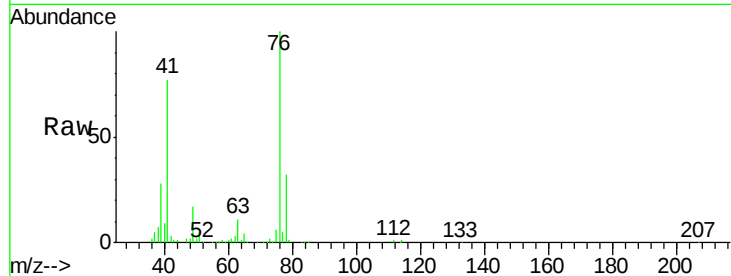
#57  
 1,3-Dichloropropane  
 Concen: 24.499 ug/l  
 RT: 10.93 min Scan# 1481  
 Delta R.T. -0.00 min  
 Lab File: VW012562.D  
 Acq: 03 Sep 2019 23:14

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0903SBS04

Tot Ion: 76 Resp: 70243  
 Ion Ratio Lower Upper  
 76 100  
 78 33.1 25.8 38.8

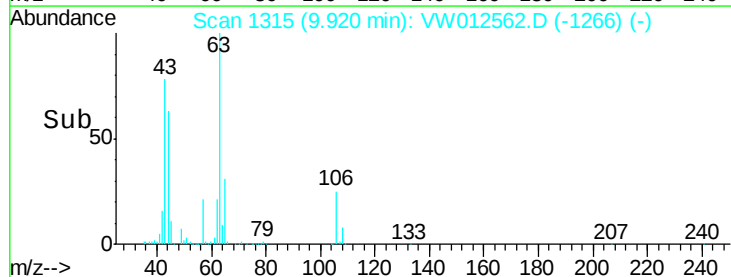
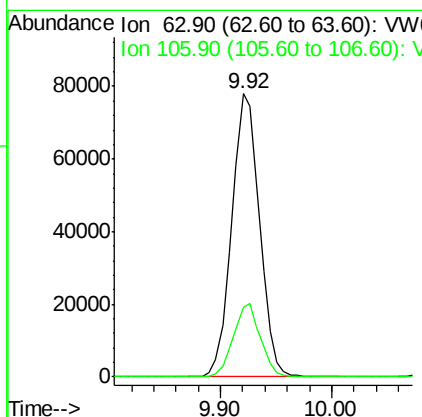
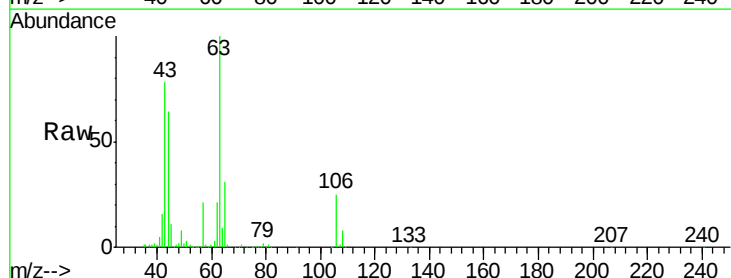
Manual Integrations  
 APPROVED

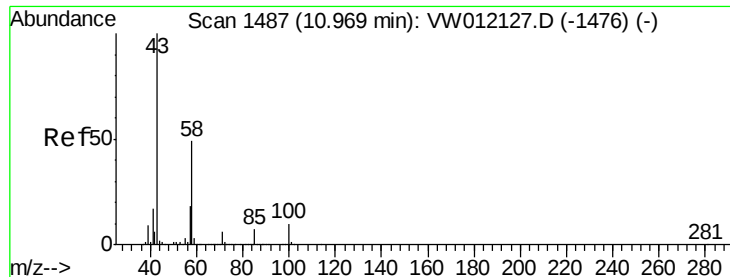
MMDadoda  
 9/4/2019 9:34:39 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 118.845 ug/l  
 RT: 9.92 min Scan# 1315  
 Delta R.T. -0.00 min  
 Lab File: VW012562.D  
 Acq: 03 Sep 2019 23:14

Tgt Ion: 63 Resp: 134688  
 Ion Ratio Lower Upper  
 63 100  
 106 25.2 19.8 29.8





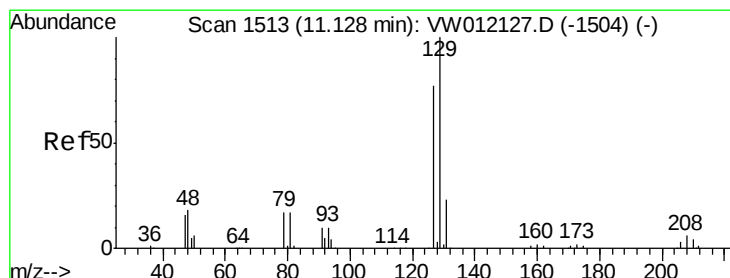
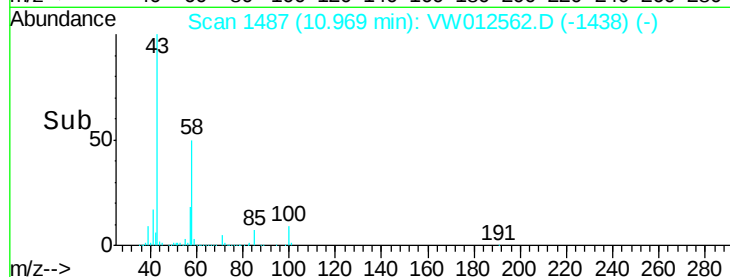
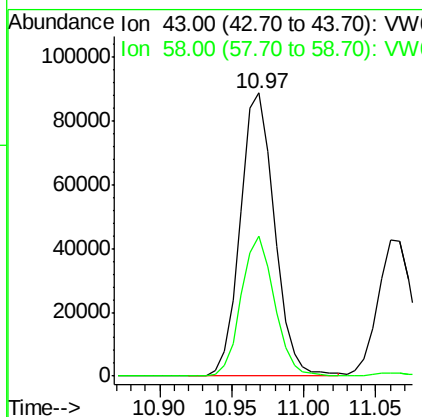
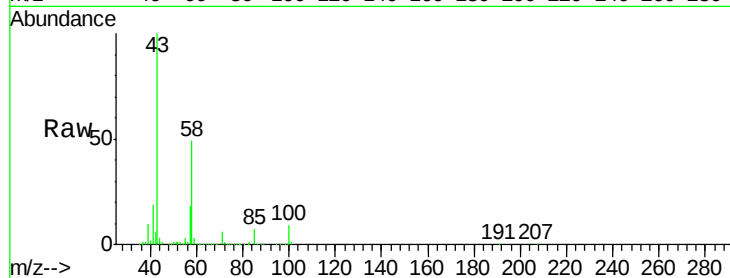
#59  
2-Hexanone  
Concen: 121.957 ug/l  
RT: 10.97 min Scan# 1487  
Delta R.T. -0.00 min  
Lab File: VW012562.D  
Acq: 03 Sep 2019 23:14

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0903SBS04

| Tot Ion   | 43 | Resp | 146114 |
|-----------|----|------|--------|
| Ion Ratio | 43 | 100  |        |
| Lower     | 58 | 48.2 | 24.3   |
| Upper     |    |      | 72.9   |

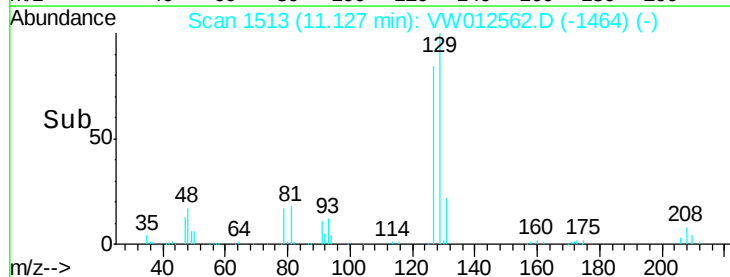
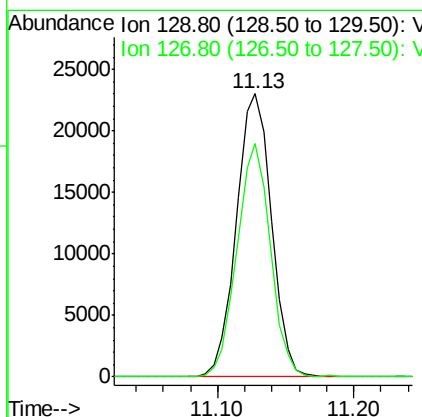
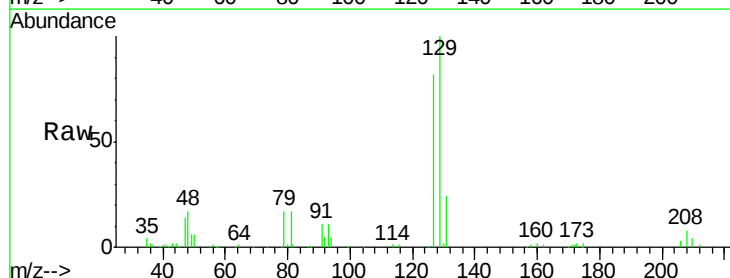
Manual Integrations  
APPROVED

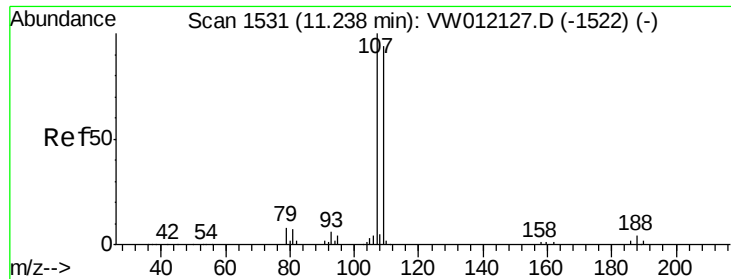
MMDadoda  
9/4/2019 9:34:39 AM



#60  
Dibromochloromethane  
Concen: 24.524 ug/l  
RT: 11.13 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: VW012562.D  
Acq: 03 Sep 2019 23:14

| Tgt Ion   | 129 | Resp | 41445 |
|-----------|-----|------|-------|
| Ion Ratio | 129 | 100  |       |
| Lower     | 127 | 78.6 | 38.6  |
| Upper     |     |      | 115.8 |





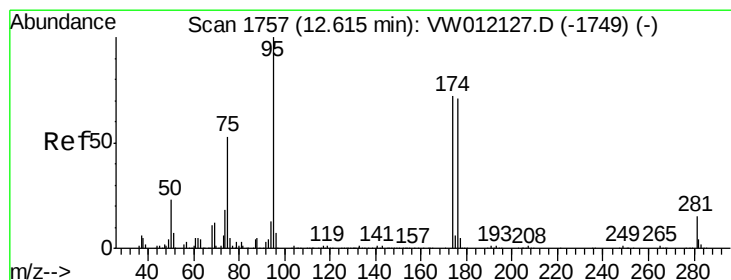
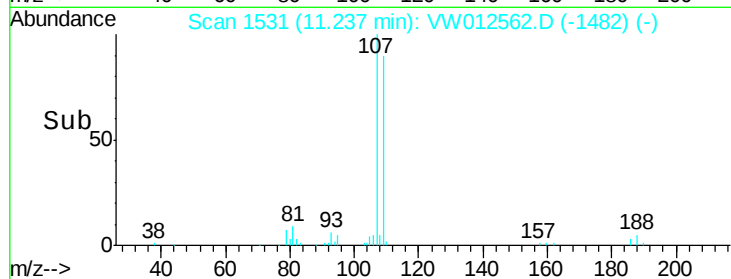
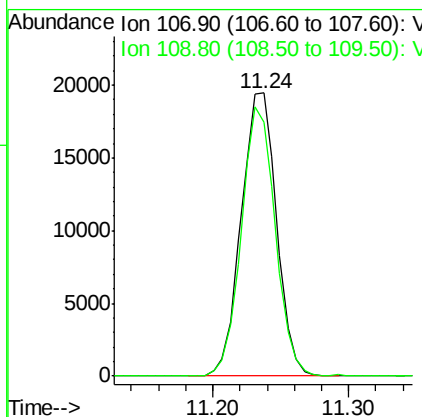
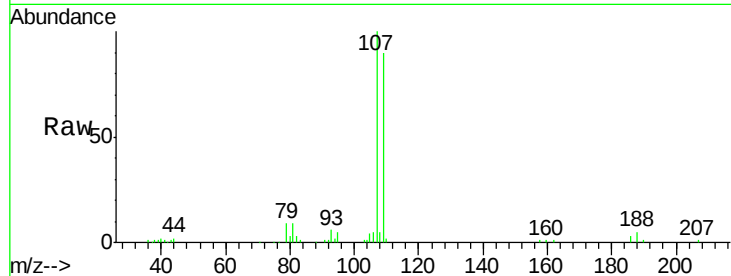
#61  
 1,2-Dibromoethane  
 Concen: 25.043 ug/l  
 RT: 11.24 min Scan# 1531  
 Delta R.T. -0.00 min  
 Lab File: VW012562.D  
 Acq: 03 Sep 2019 23:14

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0903SBS04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 91.3  | 75.4  | 113.2 |

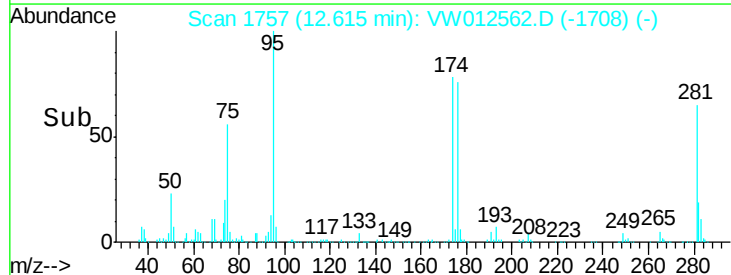
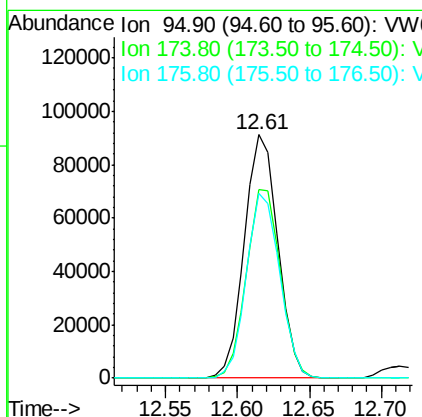
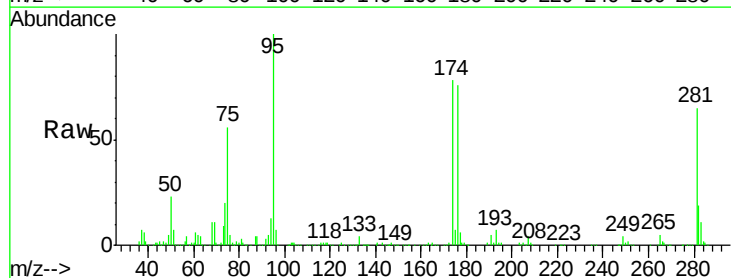
Manual Integrations  
 APPROVED

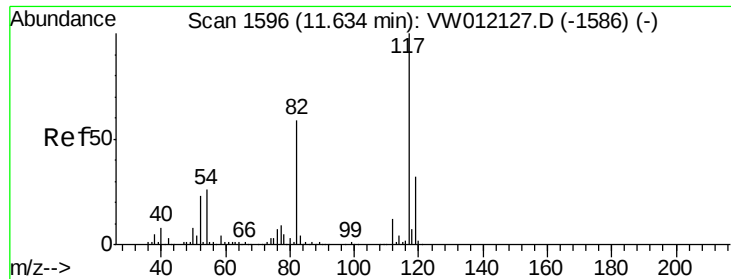
MMDadoda  
 9/4/2019 9:34:39 AM



#62  
 4-Bromofluorobenzene  
 Concen: 54.194 ug/l  
 RT: 12.61 min Scan# 1757  
 Delta R.T. -0.00 min  
 Lab File: VW012562.D  
 Acq: 03 Sep 2019 23:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 78.5  | 0.0   | 150.8 |
| 176     | 75.6  | 0.0   | 148.6 |





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW012562.D

Acq: 03 Sep 2019 23:14

Instrument :

MSVOA\_W

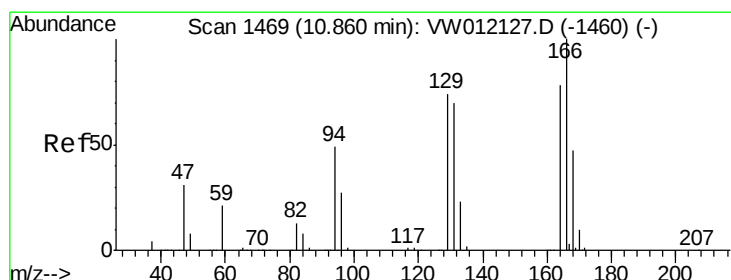
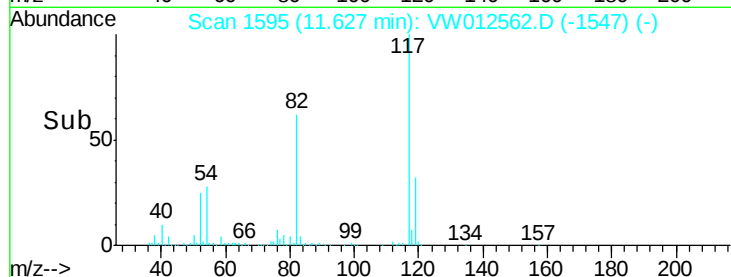
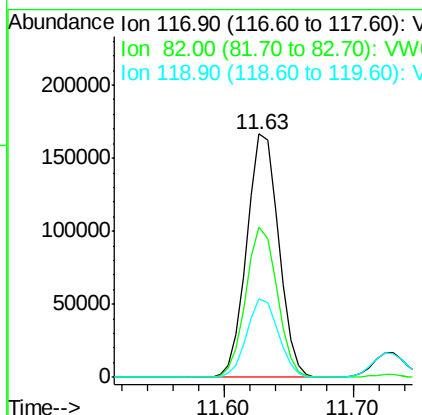
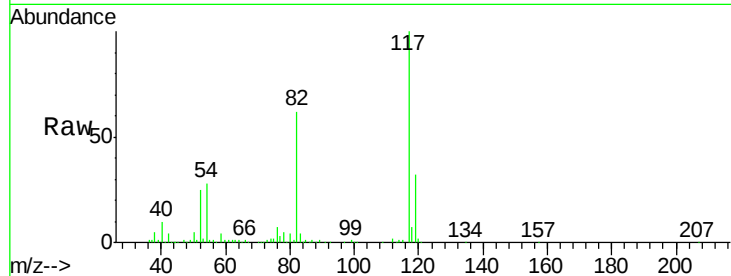
ClientSampleId :

VW0903SBS04

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 117  | Resp: | 284416 |
| Ion Ratio |      | Lower | Upper  |
| 117       | 100  |       |        |
| 82        | 61.8 | 47.4  | 71.2   |
| 119       | 32.4 | 25.4  | 38.2   |

Manual Integrations  
APPROVED

MMDadoda  
9/4/2019 9:34:39 AM



#64

Tetrachloroethene

Concen: 21.923 ug/l

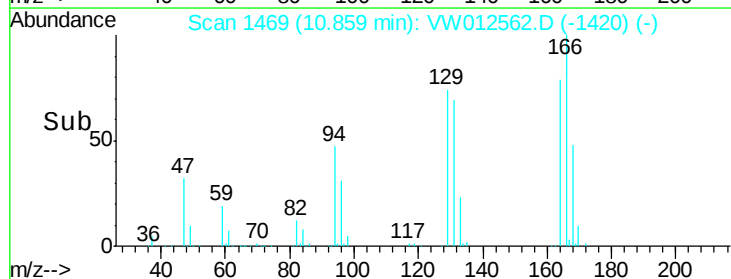
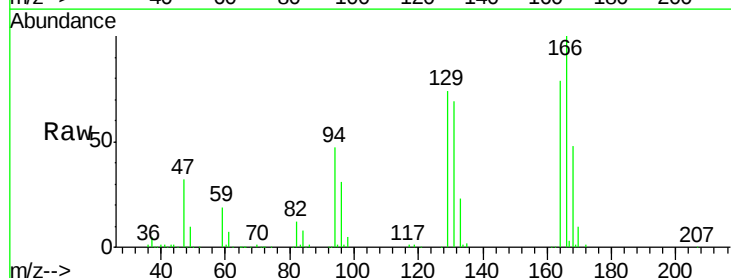
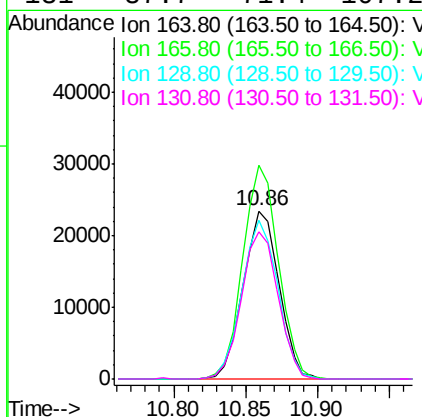
RT: 10.86 min Scan# 1469

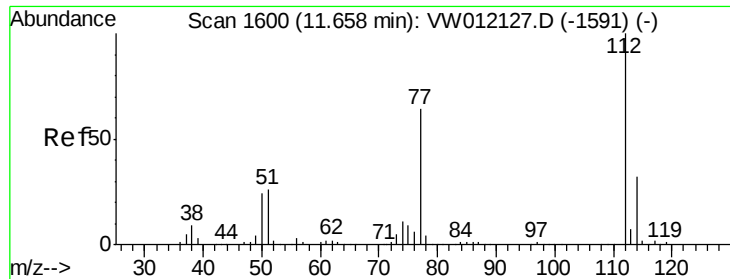
Delta R.T. -0.00 min

Lab File: VW012562.D

Acq: 03 Sep 2019 23:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 40425 |
| Ion Ratio |       | Lower | Upper |
| 164       | 100   |       |       |
| 166       | 127.2 | 102.4 | 153.6 |
| 129       | 94.3  | 75.8  | 113.6 |
| 131       | 87.7  | 71.4  | 107.2 |





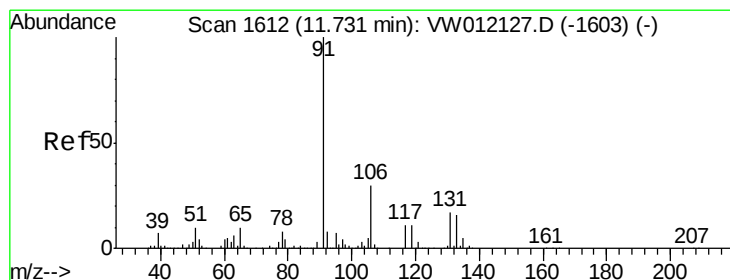
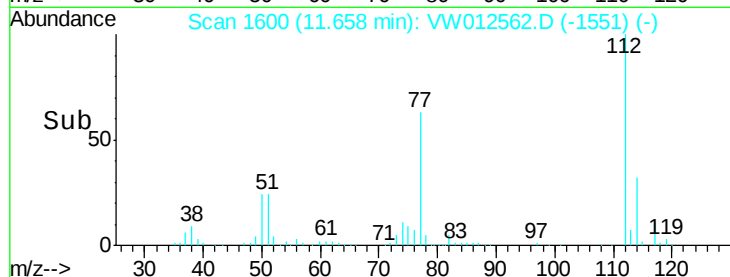
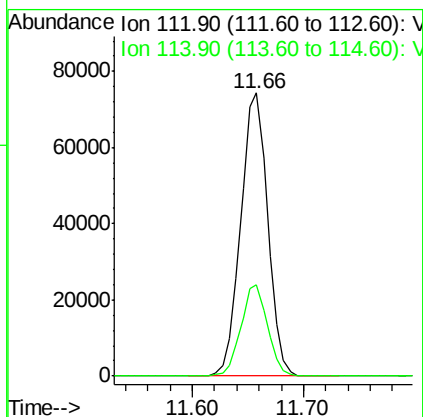
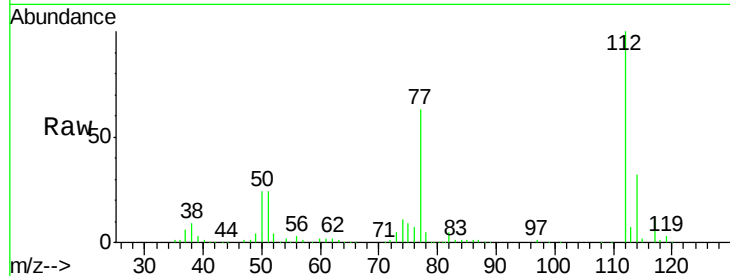
#65  
Chlorobenzene  
Concen: 22.346 ug/l  
RT: 11.66 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: VW012562.D  
Acq: 03 Sep 2019 23:14

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0903SBS04

Tot Ion:112 Resp: 125147  
Ion Ratio Lower Upper  
112 100  
114 32.5 25.8 38.6

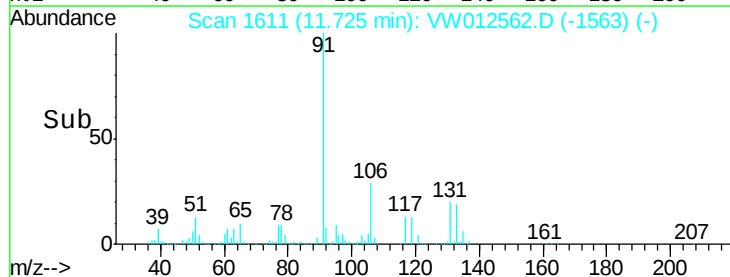
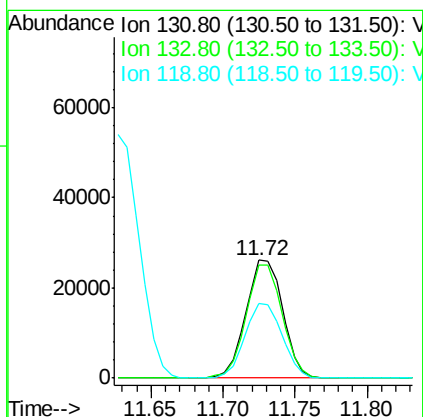
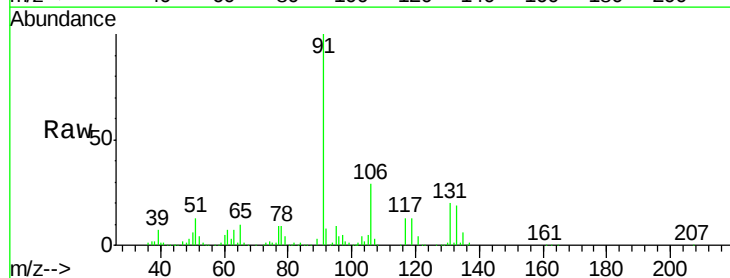
Manual Integrations  
APPROVED

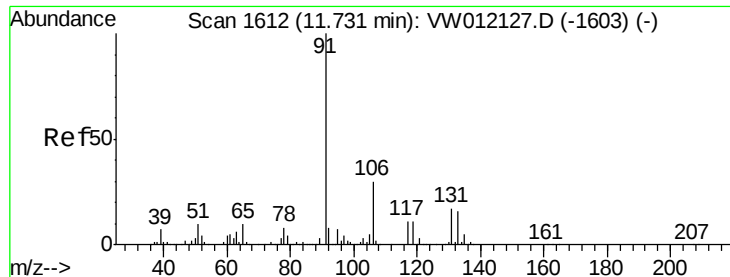
MMDadoda  
9/4/2019 9:34:39 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 23.612 ug/l  
RT: 11.72 min Scan# 1611  
Delta R.T. -0.01 min  
Lab File: VW012562.D  
Acq: 03 Sep 2019 23:14

Tgt Ion:131 Resp: 46132  
Ion Ratio Lower Upper  
131 100  
133 94.5 47.1 141.3  
119 63.8 31.8 95.3





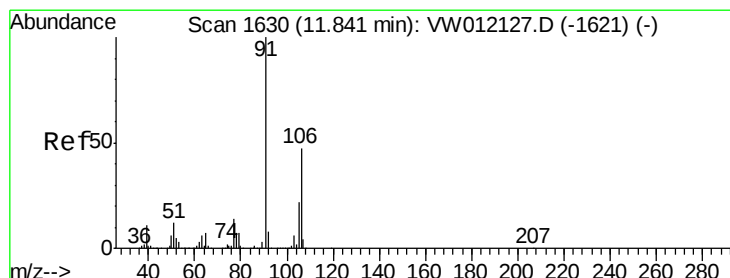
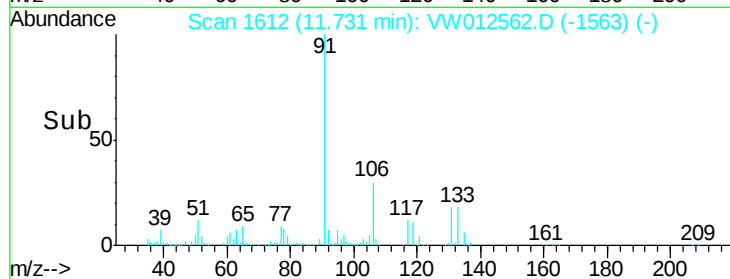
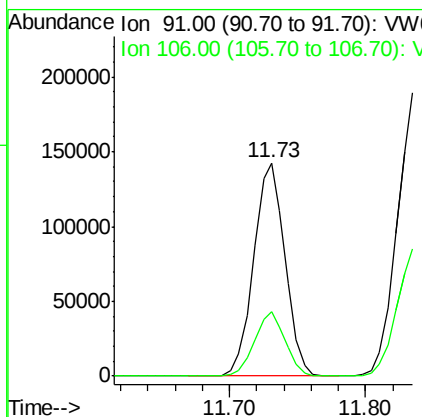
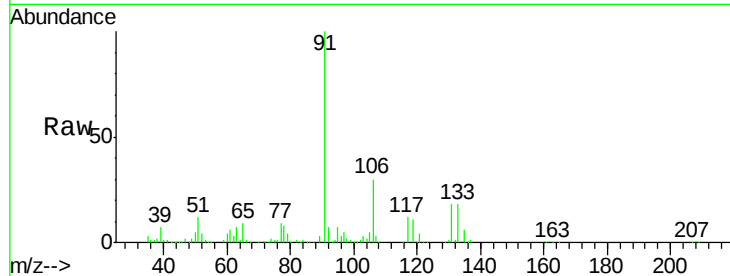
#67  
Ethyl Benzene  
Concen: 21.390 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.00 min  
Lab File: VW012562.D  
Acq: 03 Sep 2019 23:14

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0903SBS04

| Tot Ion   | 91   | Resp  | 230760 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 106       | 30.3 | 24.3  | 36.5   |

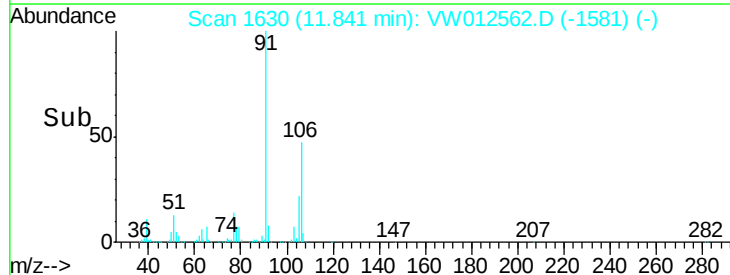
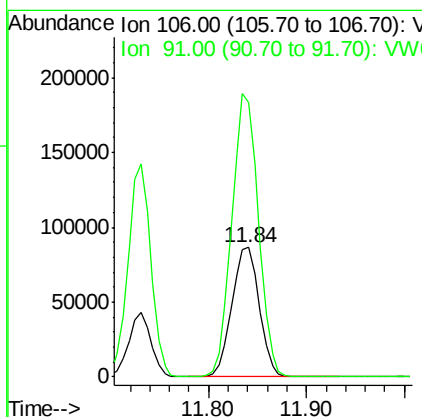
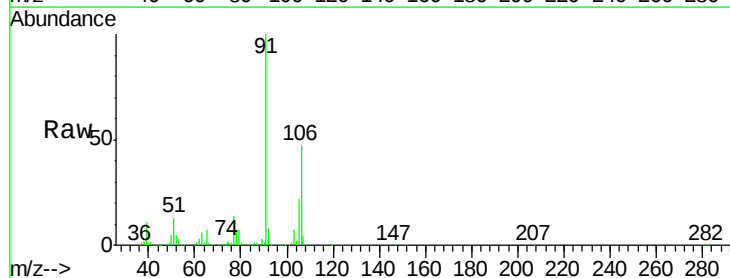
Manual Integrations  
APPROVED

MMDadoda  
9/4/2019 9:34:39 AM



#68  
m/p-Xylenes  
Concen: 43.142 ug/l  
RT: 11.84 min Scan# 1630  
Delta R.T. -0.00 min  
Lab File: VW012562.D  
Acq: 03 Sep 2019 23:14

| Tgt Ion                                              | 106   | Resp  | 167653 |
|------------------------------------------------------|-------|-------|--------|
| Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td> | 100   | Lower | Upper  |
| 91                                                   | 212.8 | 169.5 | 254.3  |





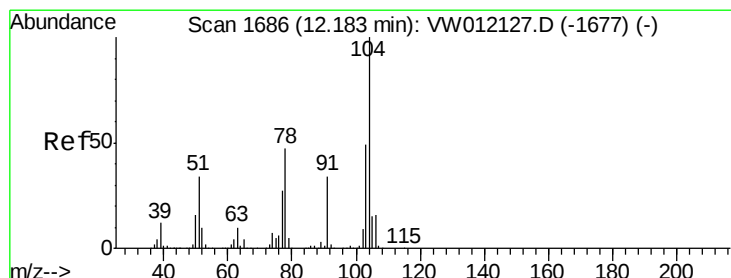
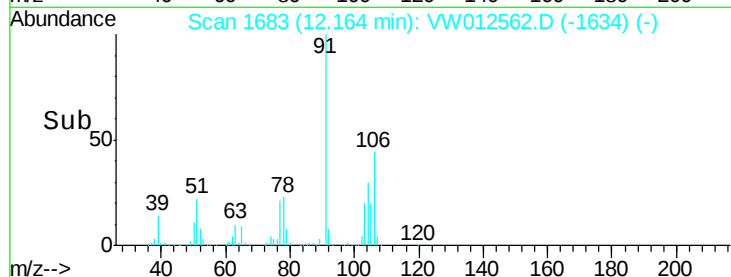
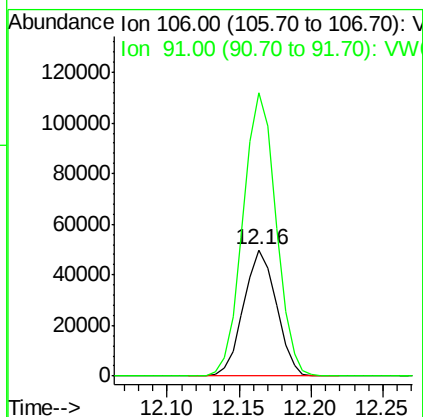
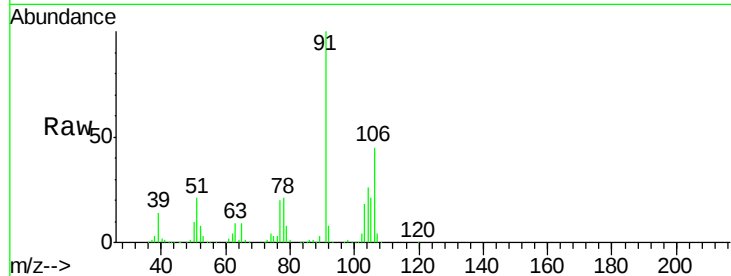
#69  
o-Xylene  
Concen: 21.890 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. -0.00 min  
Lab File: VW012562.D  
Acq: 03 Sep 2019 23:14

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0903SBS04

Tot Ion:106 Resp: 78732  
Ion Ratio Lower Upper  
106 100  
91 226.3 111.6 334.6

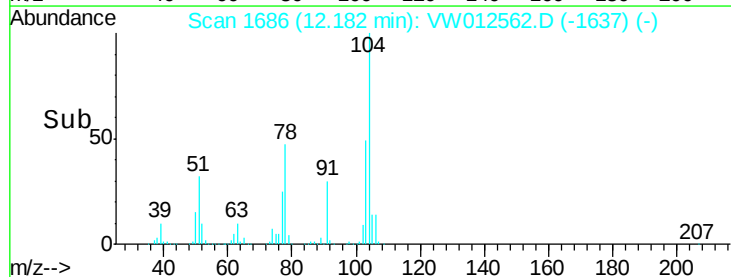
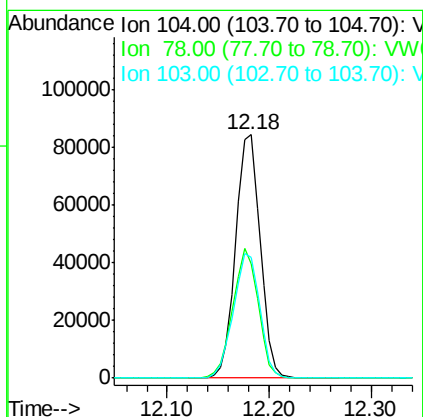
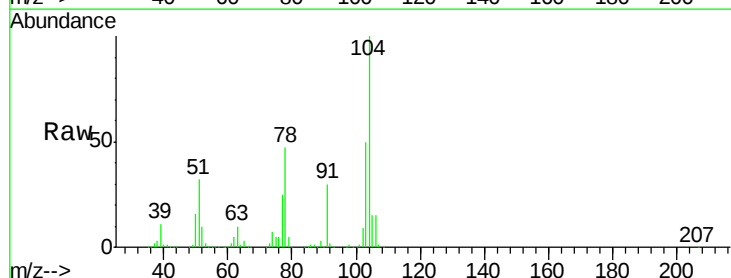
Manual Integrations  
APPROVED

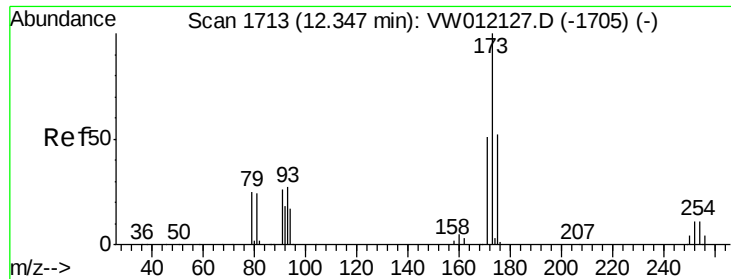
MMDadoda  
9/4/2019 9:34:39 AM



#70  
Styrene  
Concen: 22.533 ug/l  
RT: 12.18 min Scan# 1686  
Delta R.T. -0.00 min  
Lab File: VW012562.D  
Acq: 03 Sep 2019 23:14

Tgt Ion:104 Resp: 140276  
Ion Ratio Lower Upper  
104 100  
78 55.0 43.1 64.7  
103 54.9 43.5 65.3





#71

Bromoform

Concen: 24.231 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012562.D

Acq: 03 Sep 2019 23:14

Instrument :

MSVOA\_W

ClientSampleId :

VW0903SBS04

Tot Ion:173 Resp: 23587

Ion Ratio Lower Upper

173 100

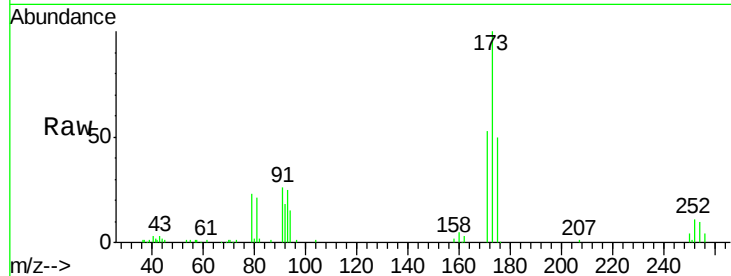
175 50.4 24.6 74.0

254 0.0 0.2 0.2#

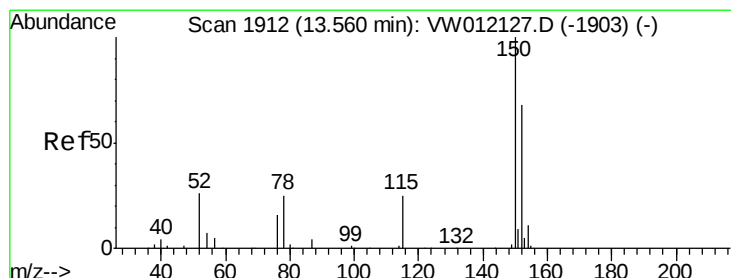
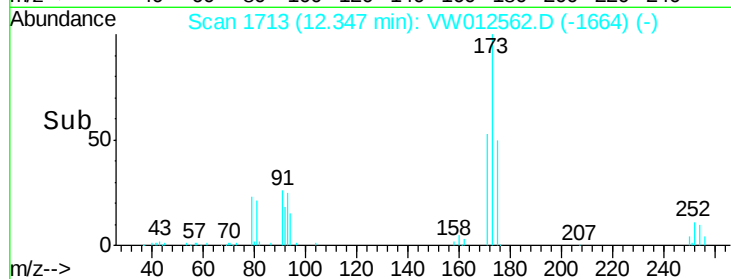
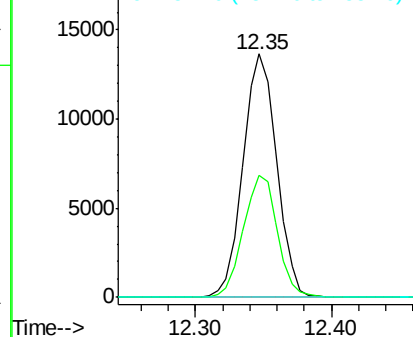
Manual Integrations  
APPROVED

MMDadoda

9/4/2019 9:34:39 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: VW012562.D

Acq: 03 Sep 2019 23:14

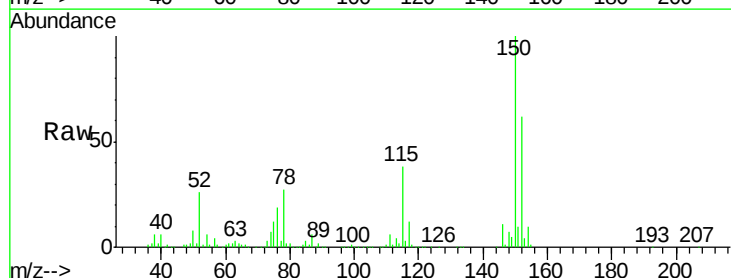
Tgt Ion:152 Resp: 141309

Ion Ratio Lower Upper

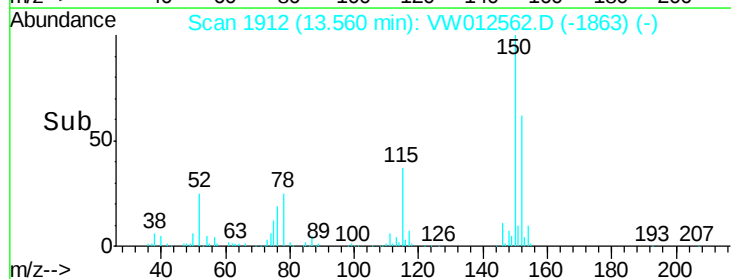
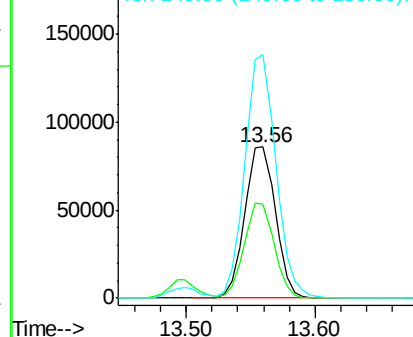
152 100

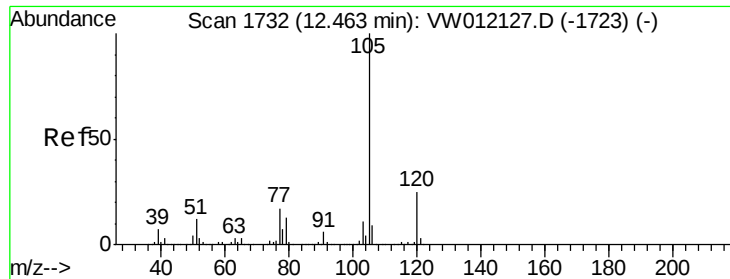
115 61.4 30.1 90.3

150 163.3 0.0 345.8



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





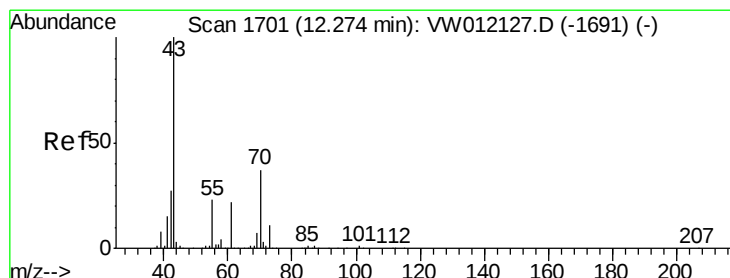
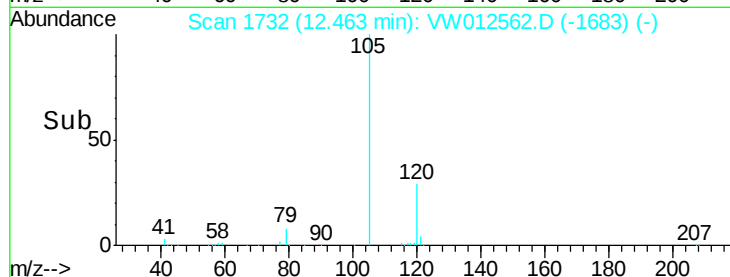
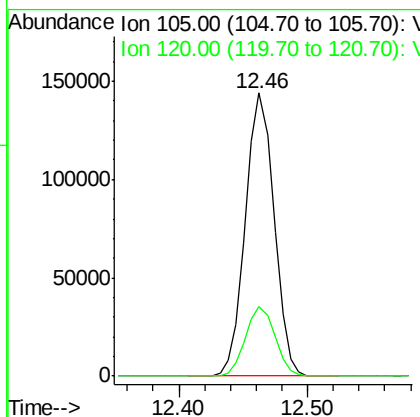
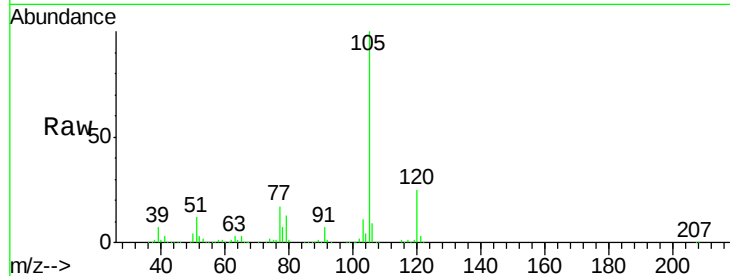
#73  
Isopropylbenzene  
Concen: 20.947 ug/l  
RT: 12.46 min Scan# 1732  
Delta R.T. -0.00 min  
Lab File: VW012562.D  
Acq: 03 Sep 2019 23:14

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0903SBS04

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 221795 |       |       |
| 120     | 25.2  |        | 12.5  | 37.5  |

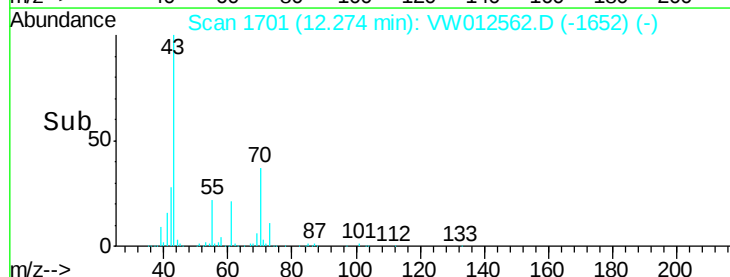
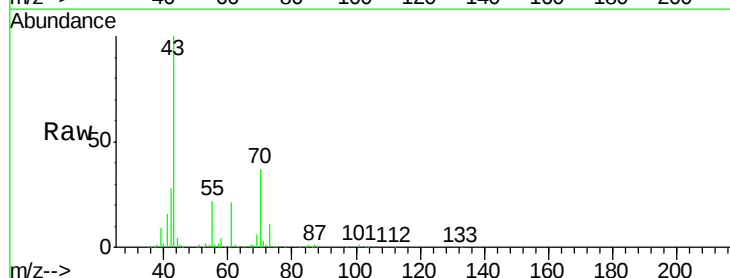
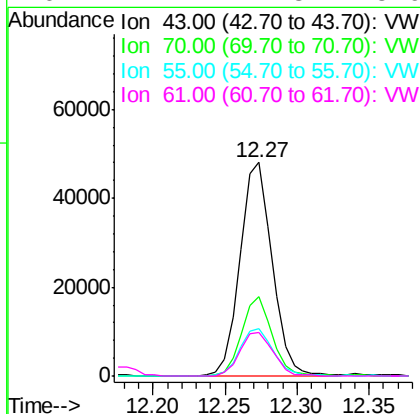
Manual Integrations  
APPROVED

MMDadoda  
9/4/2019 9:34:39 AM



#74  
N-ethyl acetate  
Concen: 23.337 ug/l  
RT: 12.27 min Scan# 1701  
Delta R.T. -0.00 min  
Lab File: VW012562.D  
Acq: 03 Sep 2019 23:14

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 43      | 100   | 74656 |       |       |
| 70      | 34.9  |       | 28.6  | 43.0  |
| 55      | 22.9  |       | 17.8  | 26.6  |
| 61      | 21.1  |       | 17.3  | 25.9  |





#75

1,1,2,2-Tetrachloroethane

Concen: 23.705 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012562.D

Acq: 03 Sep 2019 23:14

Instrument :

MSVOA\_W

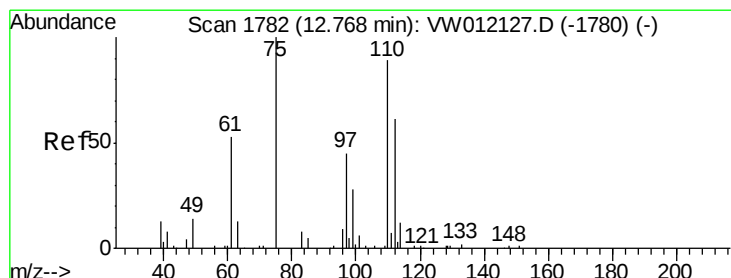
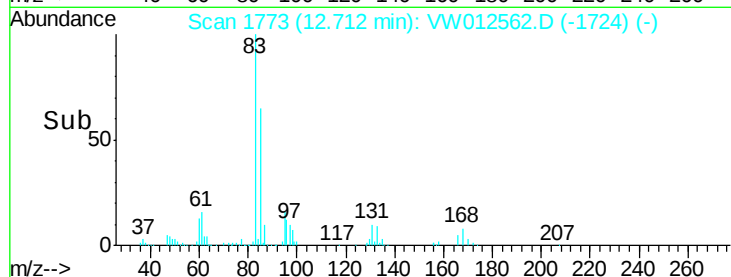
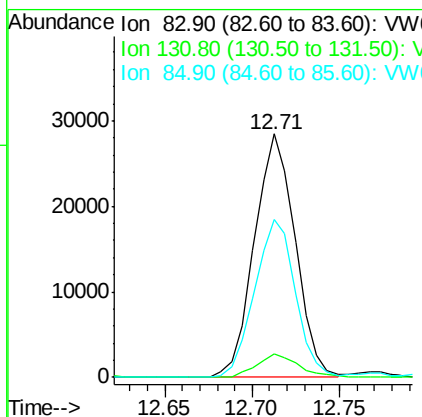
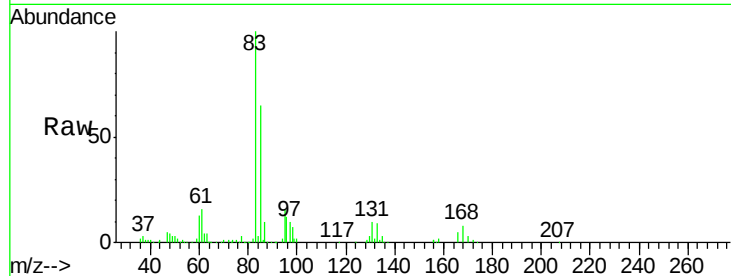
ClientSampleId :

VW0903SBS04

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 46015 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 10.0  | 4.9   | 14.7  |
| 85        | 64.8  | 31.9  | 95.7  |

Manual Integrations  
APPROVED

MMDadoda  
9/4/2019 9:34:39 AM



#76

1,2,3-Trichloropropane

Concen: 22.756 ug/l m

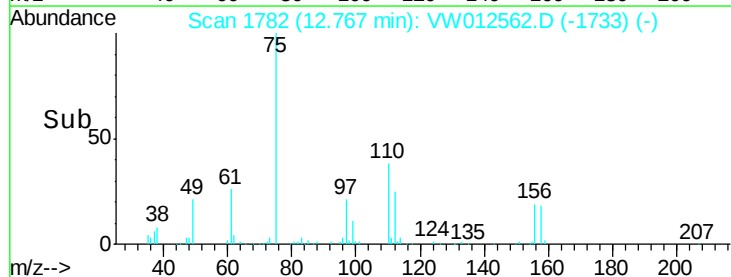
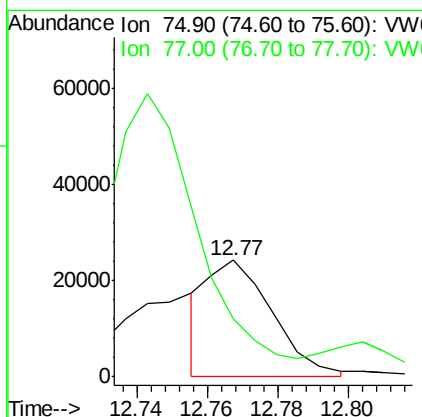
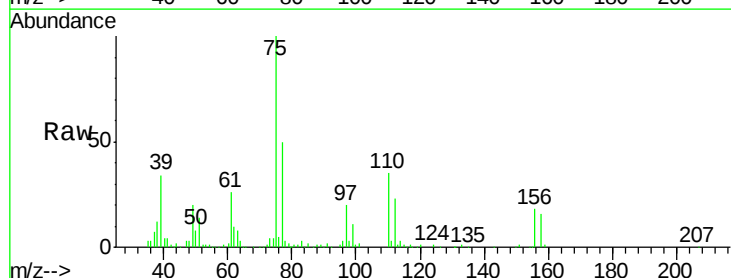
RT: 12.77 min Scan# 1782

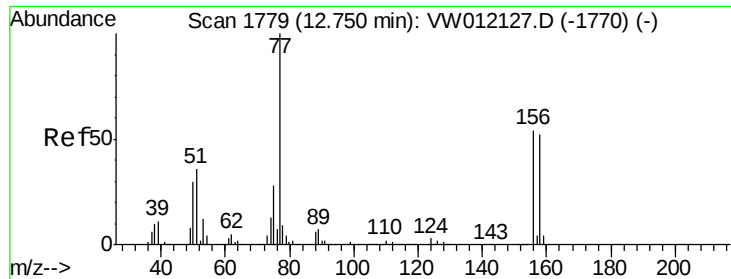
Delta R.T. -0.00 min

Lab File: VW012562.D

Acq: 03 Sep 2019 23:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 31318 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 22.244 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012562.D

Acq: 03 Sep 2019 23:14

Instrument :

MSVOA\_W

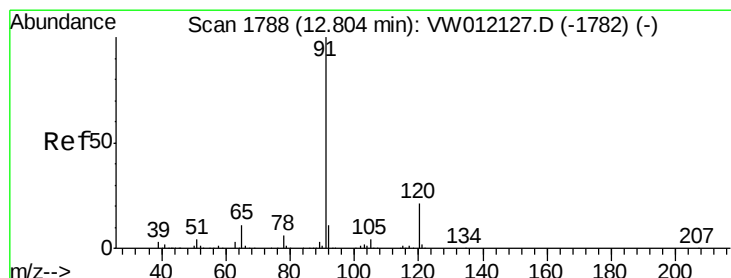
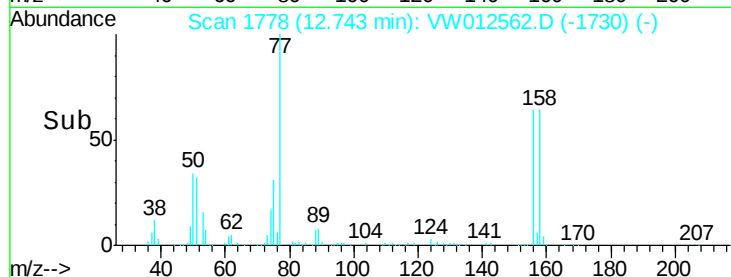
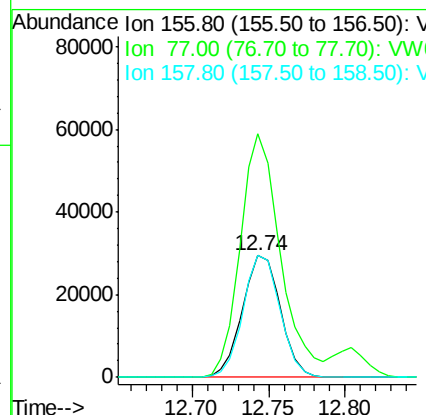
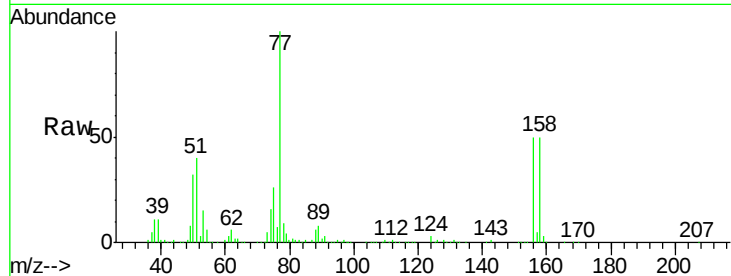
ClientSampleId :

VW0903SBS04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 212.0 | 107.3 | 321.8 |
| 158     | 97.7  | 49.0  | 147.0 |

Manual Integrations  
APPROVED

MMDadoda  
9/4/2019 9:34:39 AM



#78

n-propylbenzene

Concen: 20.498 ug/l

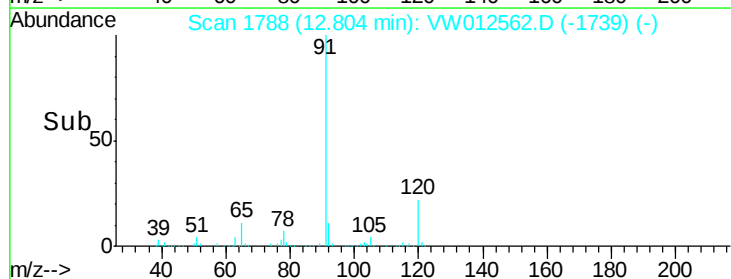
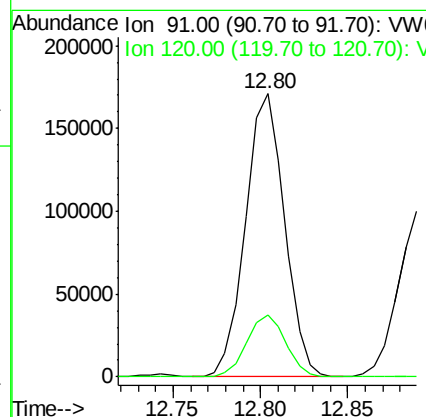
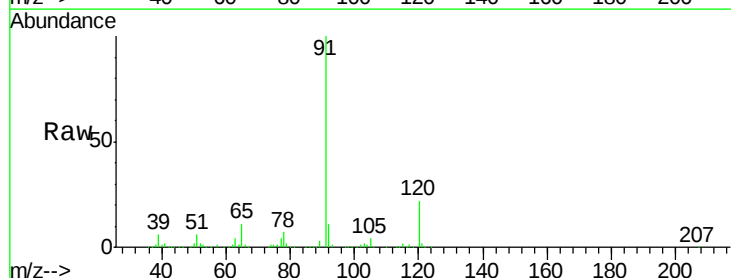
RT: 12.80 min Scan# 1788

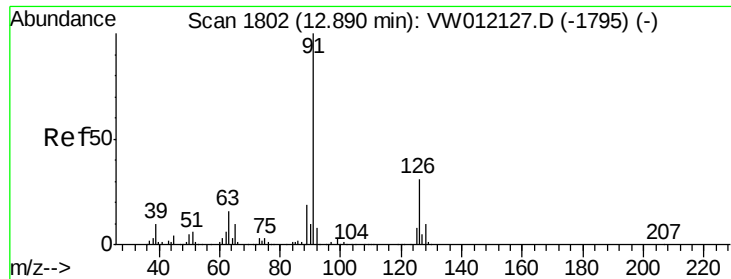
Delta R.T. -0.00 min

Lab File: VW012562.D

Acq: 03 Sep 2019 23:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 21.9  | 10.5  | 31.6  |





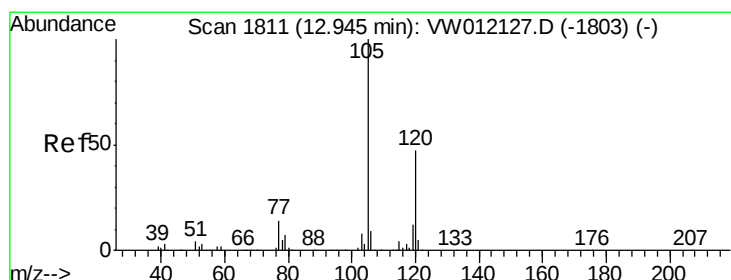
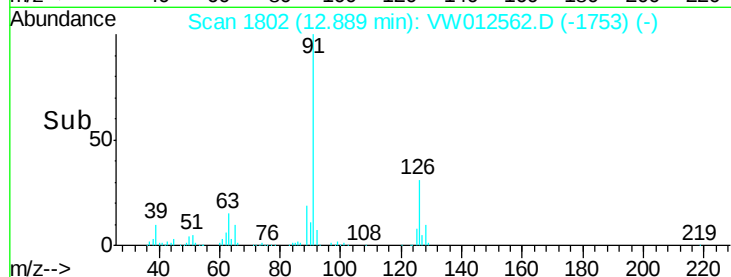
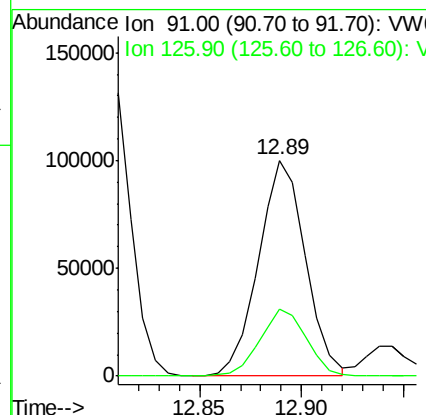
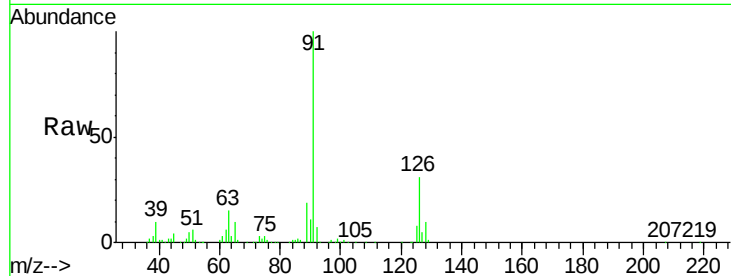
#79  
2-Chlorotoluene  
Concen: 21.725 ug/l  
RT: 12.89 min Scan# 1802  
Delta R.T. -0.00 min  
Lab File: VW012562.D  
Acq: 03 Sep 2019 23:14

Instrument :  
MSVOA\_W  
ClientSampled :  
VW0903SBS04

Tot Ion: 91 Resp: 159441  
Ion Ratio Lower Upper  
91 100  
126 31.1 15.7 47.0

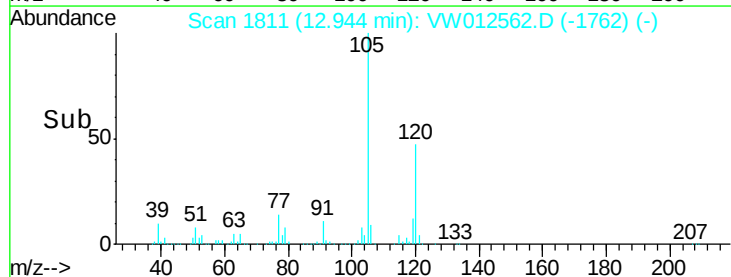
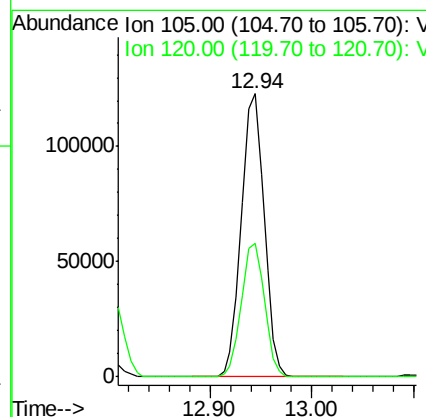
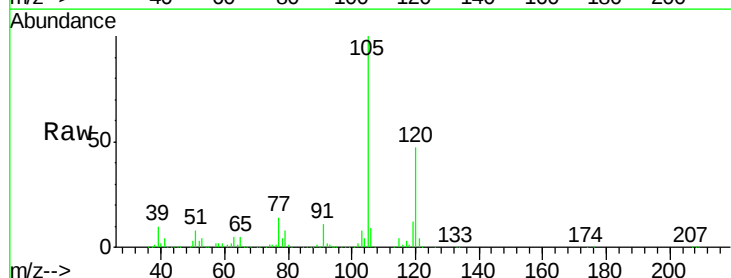
Manual Integrations  
APPROVED

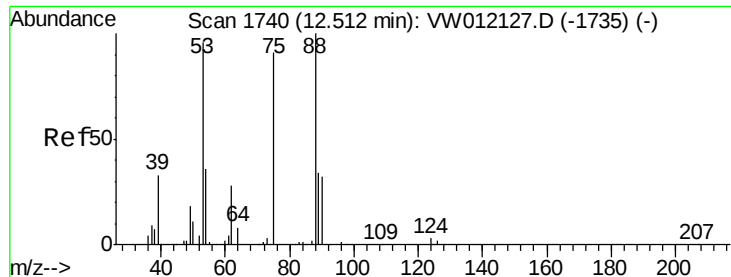
MMDadoda  
9/4/2019 9:34:39 AM



#80  
1,3,5-Trimethylbenzene  
Concen: 21.511 ug/l  
RT: 12.94 min Scan# 1811  
Delta R.T. -0.00 min  
Lab File: VW012562.D  
Acq: 03 Sep 2019 23:14

Tgt Ion: 105 Resp: 190324  
Ion Ratio Lower Upper  
105 100  
120 47.8 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 21.700 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012562.D

Acq: 03 Sep 2019 23:14

Instrument :

MSVOA\_W

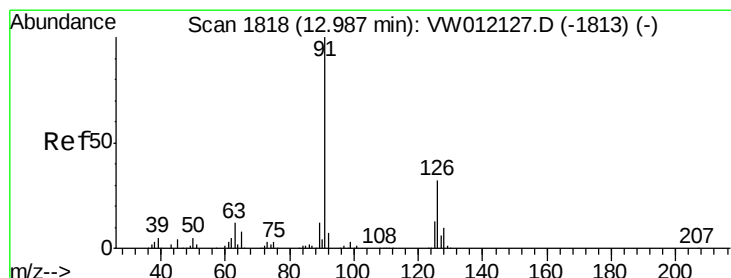
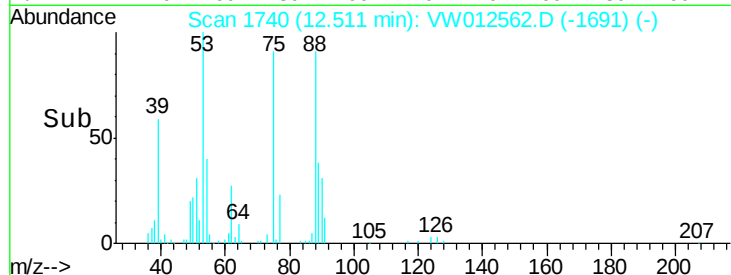
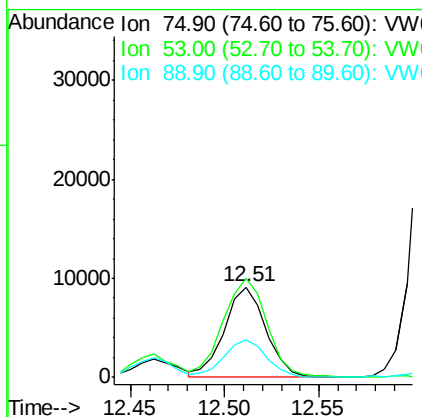
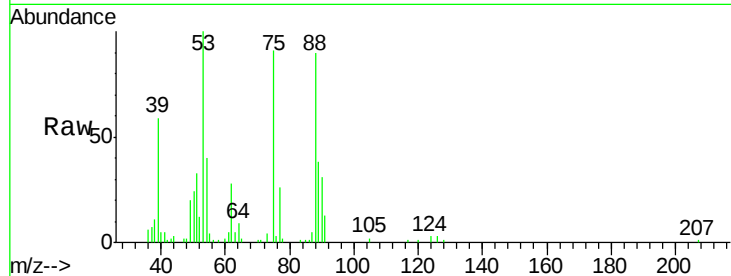
ClientSampleId :

VW0903SBS04

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 75    | Resp: | 13621 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 53        | 118.9 | 89.4  | 134.0 |
| 89        | 43.8  | 34.5  | 51.7  |

Manual Integrations  
APPROVED

MMDadoda  
9/4/2019 9:34:39 AM



#82

4-Chlorotoluene

Concen: 21.603 ug/l

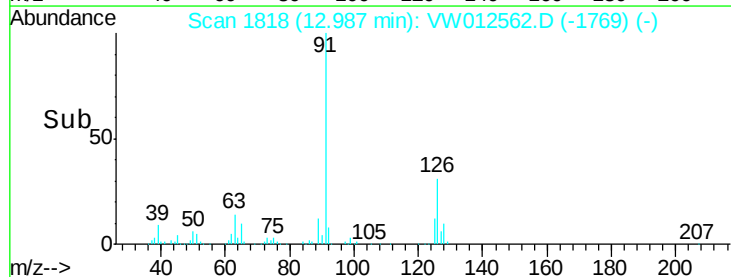
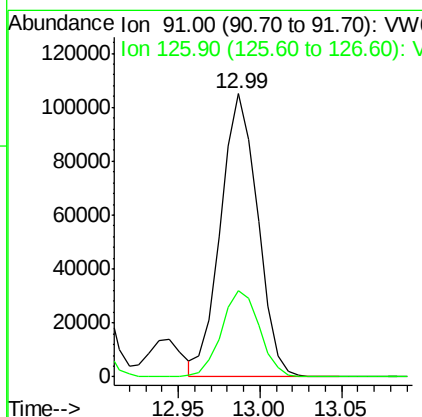
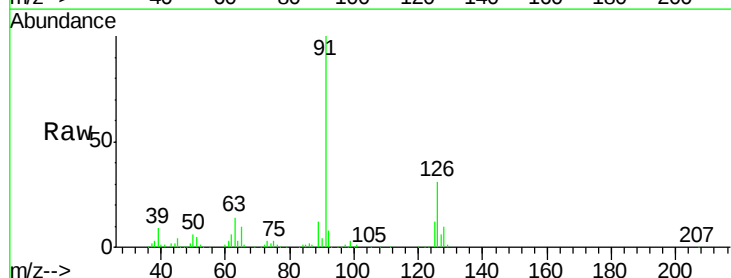
RT: 12.99 min Scan# 1818

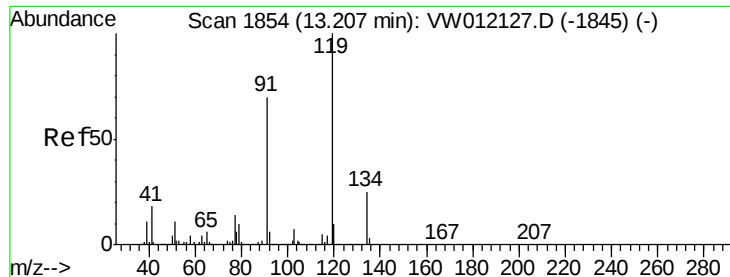
Delta R.T. -0.00 min

Lab File: VW012562.D

Acq: 03 Sep 2019 23:14

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 166006 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 126       | 31.3  | 15.6  | 46.8   |





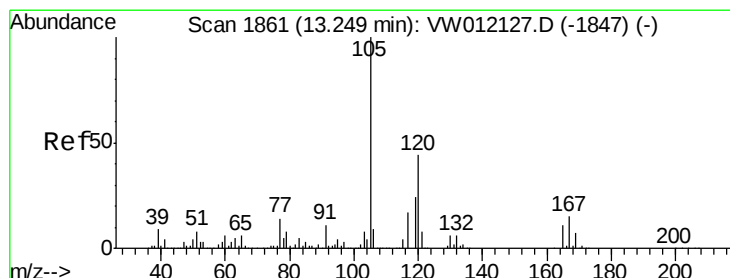
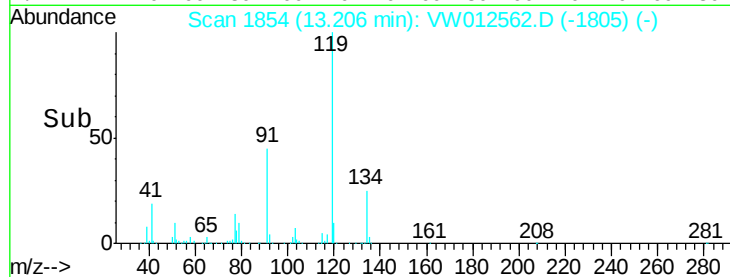
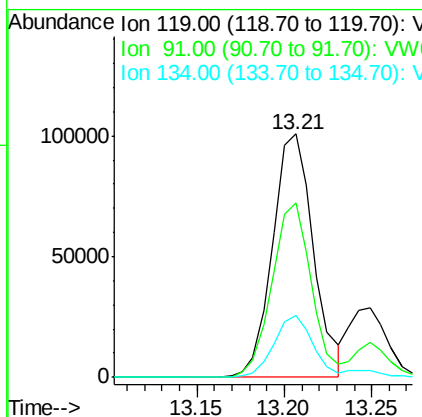
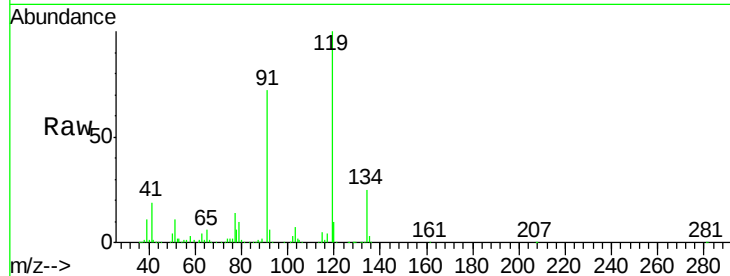
#83  
 tert-Butylbenzene  
 Concen: 21.882 ug/l  
 RT: 13.21 min Scan# 1854  
 Delta R.T. -0.00 min  
 Lab File: VW012562.D  
 Acq: 03 Sep 2019 23:14

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0903SBS04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 68.8  | 34.8  | 104.3 |
| 134     | 24.6  | 13.3  | 39.8  |

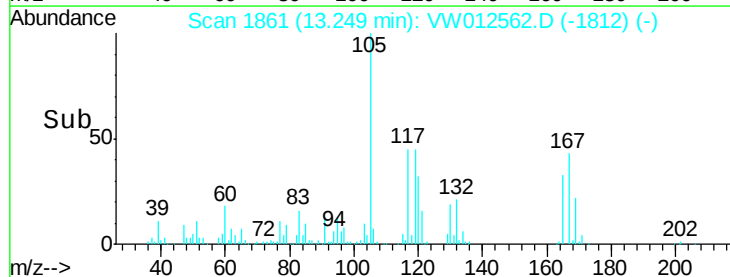
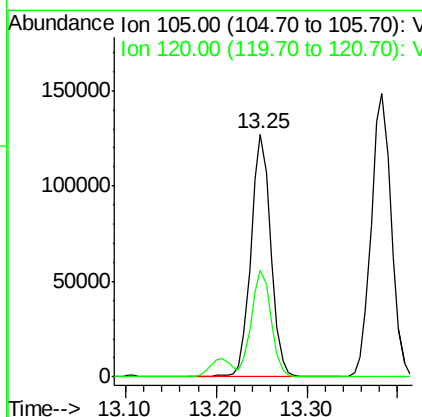
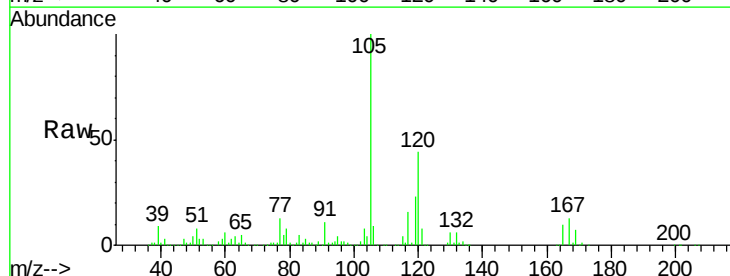
Manual Integrations  
 APPROVED

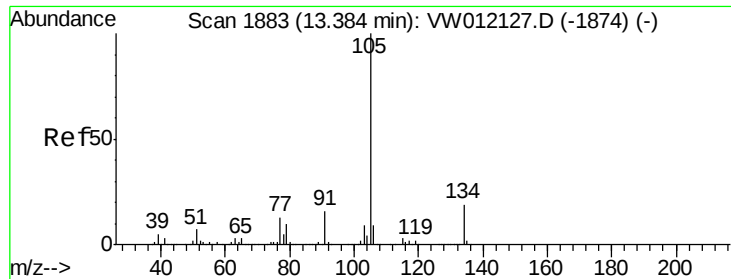
MMDadoda  
 9/4/2019 9:34:39 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 21.665 ug/l  
 RT: 13.25 min Scan# 1861  
 Delta R.T. -0.00 min  
 Lab File: VW012562.D  
 Acq: 03 Sep 2019 23:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 43.3  | 21.9  | 65.7  |





#85

sec-Butylbenzene

Concen: 21.107 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012562.D

Acq: 03 Sep 2019 23:14

Instrument :

MSVOA\_W

ClientSampleId :

VW0903SBS04

Tot Ion:105 Resp: 226634

Ion Ratio Lower Upper

105 100

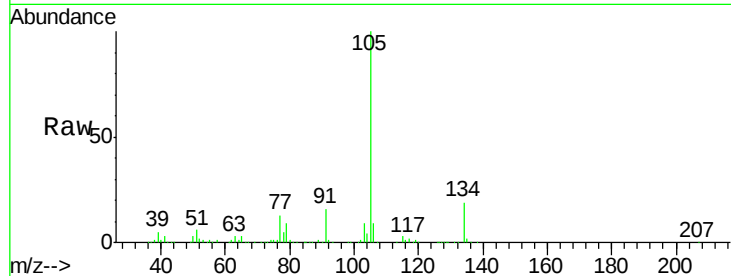
134 19.6 9.8 29.4

Manual Integrations

APPROVED

MMDadoda

9/4/2019 9:34:39 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

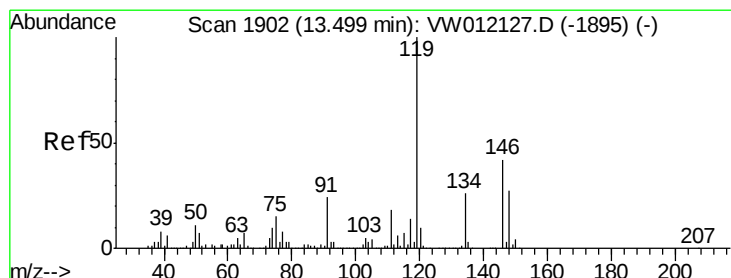
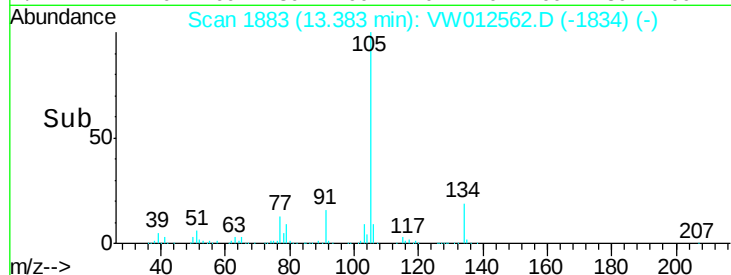
150000

100000

50000

0

Time--> 13.30 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 21.344 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012562.D

Acq: 03 Sep 2019 23:14

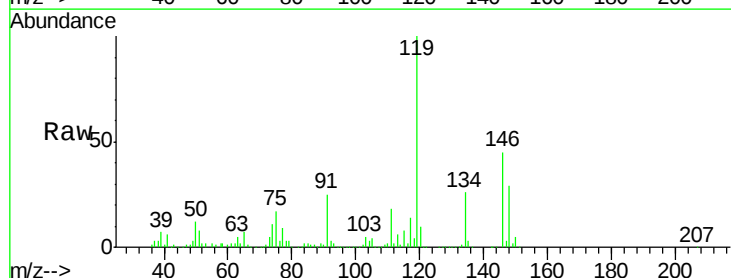
Tgt Ion:119 Resp: 204673

Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.3

91 25.1 12.3 36.9



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

13.50

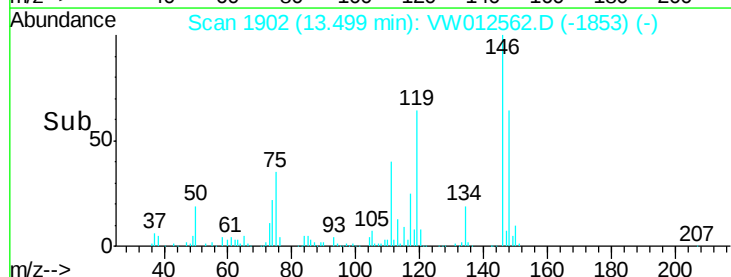
150000

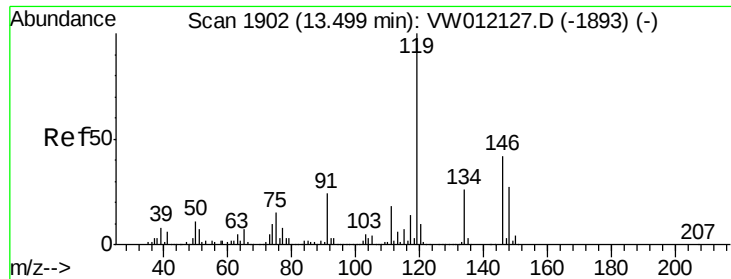
100000

50000

0

Time--> 13.45 13.50 13.55





#87

1,3-Dichlorobenzene

Concen: 22.100 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012562.D

Acq: 03 Sep 2019 23:14

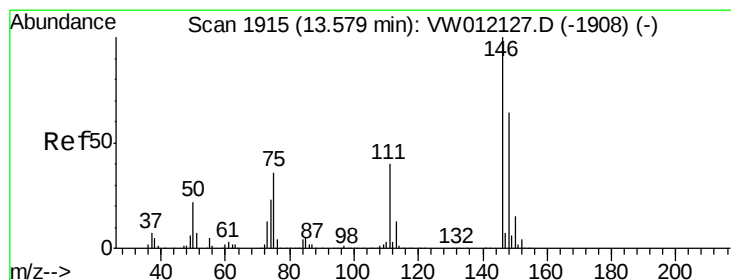
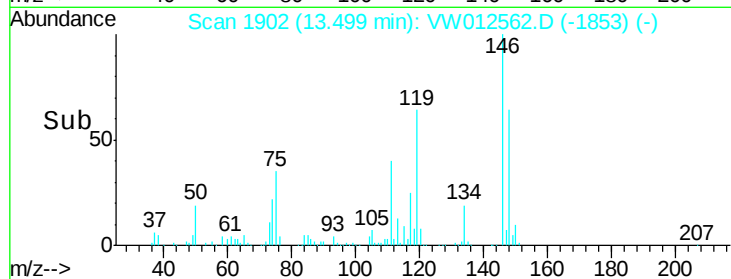
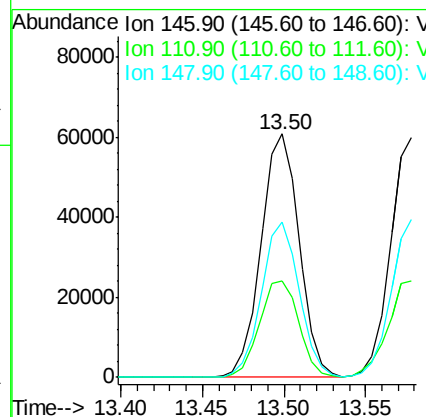
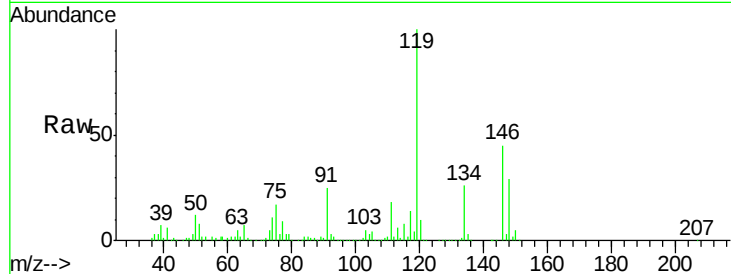
Instrument :  
MSVOA\_W

ClientSampleId :  
VW0903SBS04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.0  | 20.9  | 62.7  |
| 148     | 63.2  | 32.2  | 96.6  |

Manual Integrations  
APPROVED

MMDadoda  
9/4/2019 9:34:39 AM



#88

1,4-Dichlorobenzene

Concen: 22.258 ug/l

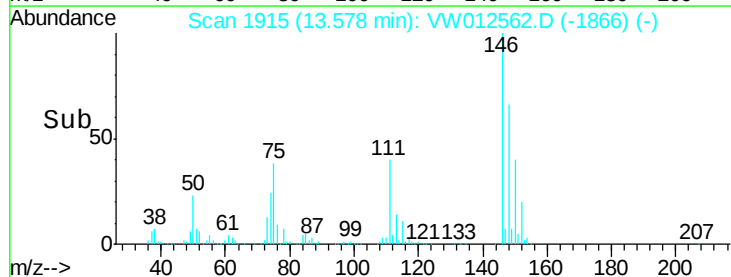
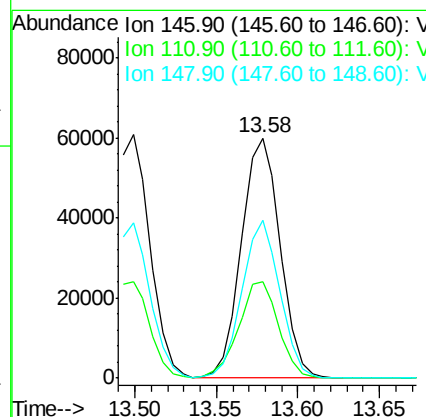
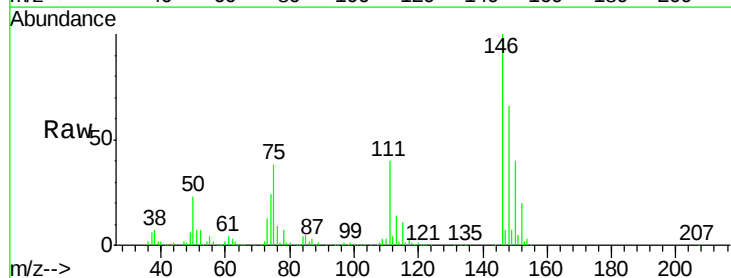
RT: 13.58 min Scan# 1915

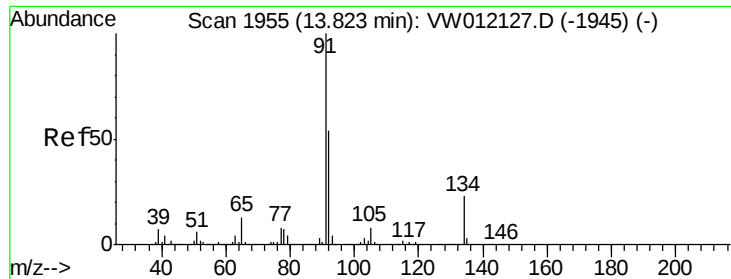
Delta R.T. -0.00 min

Lab File: VW012562.D

Acq: 03 Sep 2019 23:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.4  | 20.0  | 60.0  |
| 148     | 64.5  | 32.1  | 96.3  |





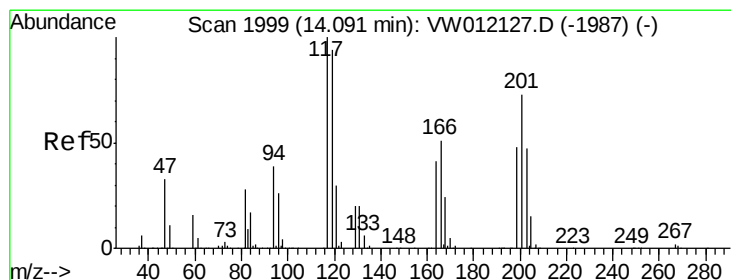
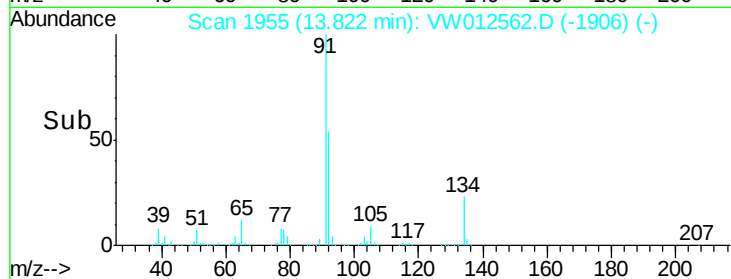
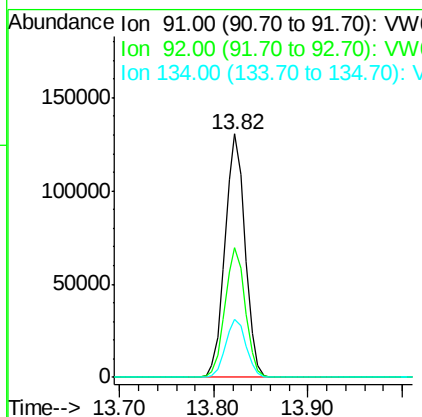
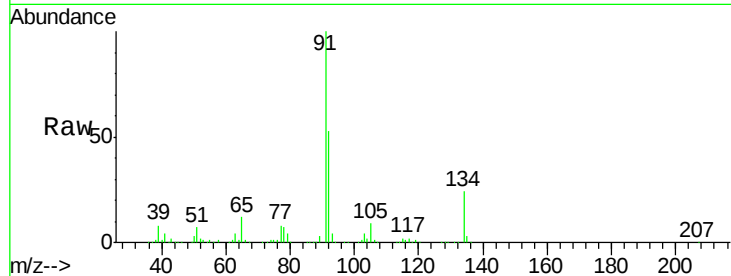
#89  
n-Butylbenzene  
Concen: 20.246 ug/l  
RT: 13.82 min Scan# 1955  
Delta R.T. -0.00 min  
Lab File: VW012562.D  
Acq: 03 Sep 2019 23:14

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0903SBS04

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 193069 |       |       |
| 92      | 53.8  |        | 27.1  | 81.2  |
| 134     | 24.3  |        | 12.2  | 36.4  |

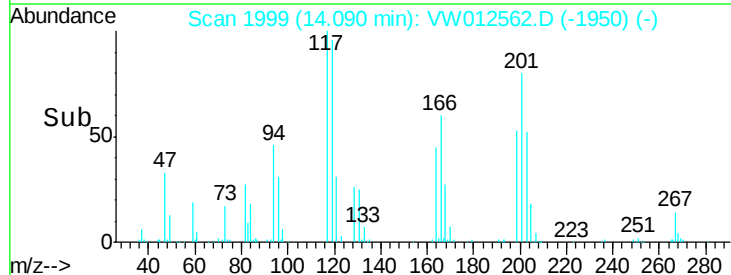
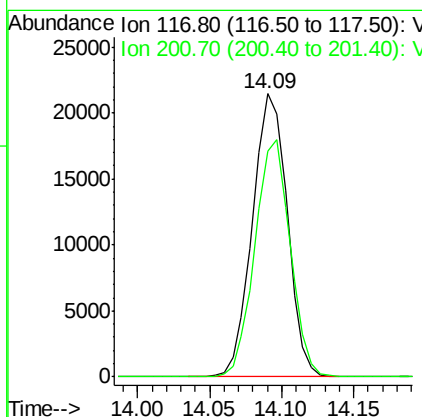
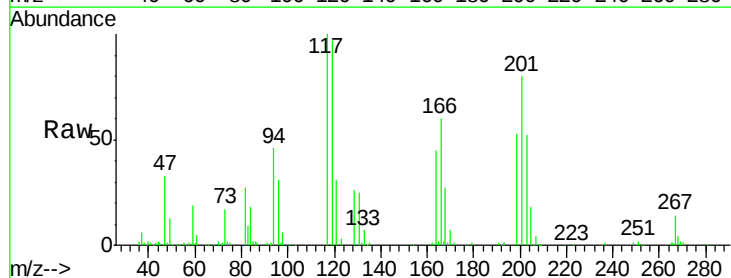
Manual Integrations  
APPROVED

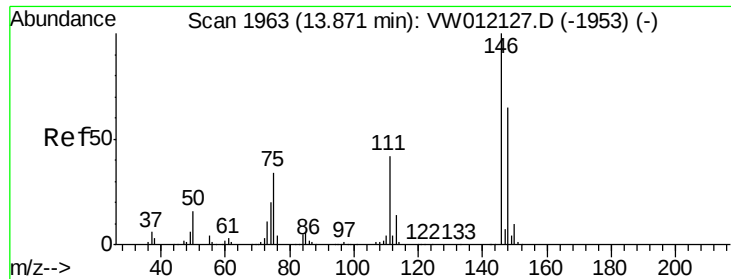
MMDadoda  
9/4/2019 9:34:39 AM



#90  
Hexachloroethane  
Concen: 21.315 ug/l  
RT: 14.09 min Scan# 1999  
Delta R.T. -0.00 min  
Lab File: VW012562.D  
Acq: 03 Sep 2019 23:14

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 117     | 100   | 35860 |       |       |
| 201     | 84.7  |       | 38.6  | 115.7 |





#91

1,2-Dichlorobenzene

Concen: 22.813 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012562.D

Acq: 03 Sep 2019 23:14

Instrument :

MSVOA\_W

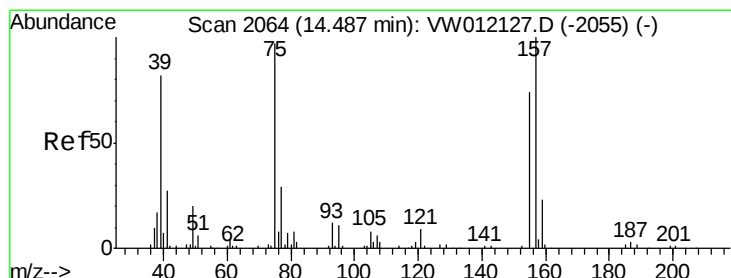
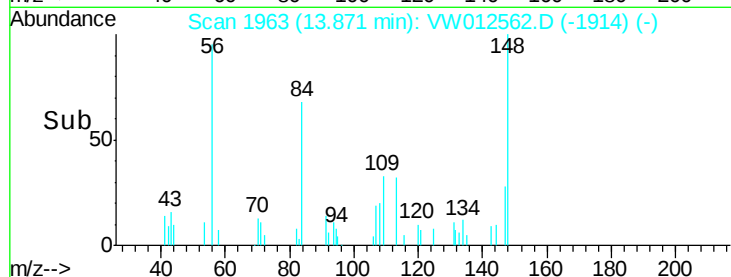
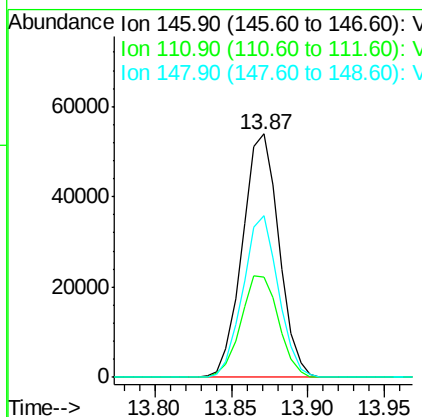
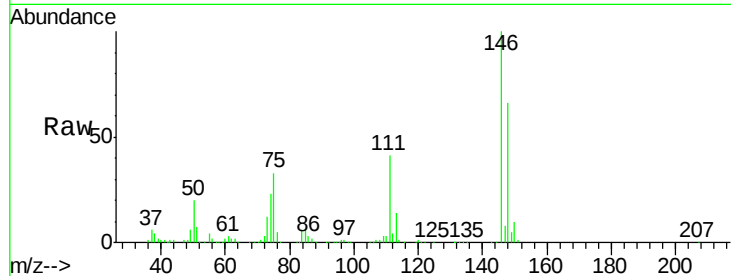
ClientSampleId :

VW0903SBS04

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 146   | Resp: | 89670 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 42.9  | 21.2  | 63.6  |
| 148       | 64.3  | 32.5  | 97.4  |

Manual Integrations  
APPROVED

MMDadoda  
9/4/2019 9:34:39 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 24.498 ug/l

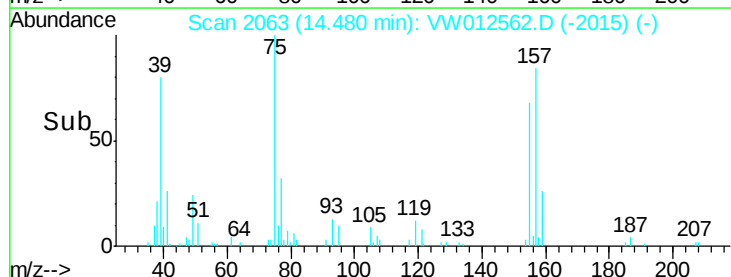
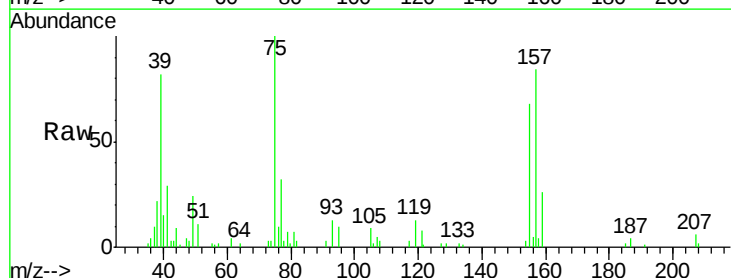
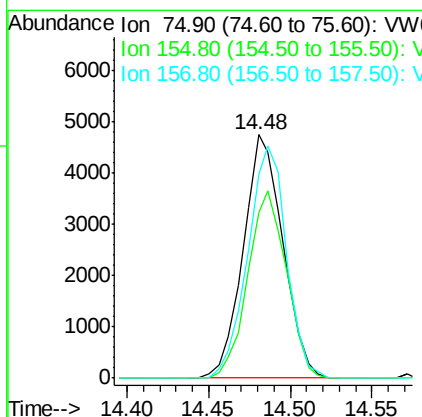
RT: 14.48 min Scan# 2063

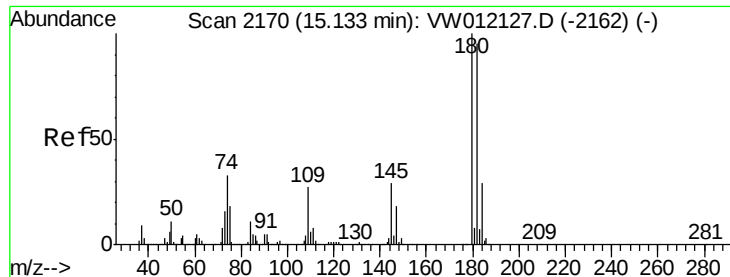
Delta R.T. -0.01 min

Lab File: VW012562.D

Acq: 03 Sep 2019 23:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 8017  |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 74.9  | 37.5  | 112.3 |
| 157       | 93.1  | 50.5  | 151.5 |





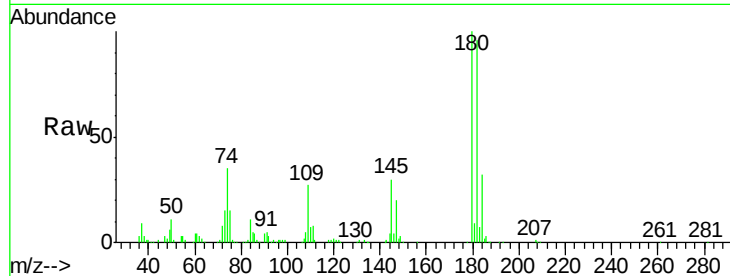
#93  
 1,2,4-Trichlorobenzene  
 Concen: 22.330 ug/l  
 RT: 15.13 min Scan# 2170  
 Delta R.T. -0.00 min  
 Lab File: VW012562.D  
 Acq: 03 Sep 2019 23:14

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0903SBS04

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 60656 |       |       |
| 182     | 93.0  |       | 47.8  | 143.4 |
| 145     | 29.8  |       | 15.0  | 45.1  |

Manual Integrations  
 APPROVED

MMDadoda  
 9/4/2019 9:34:39 AM

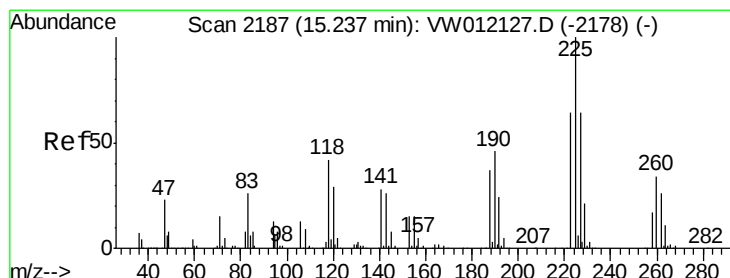
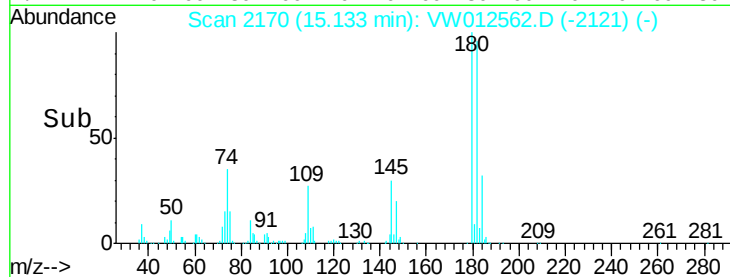
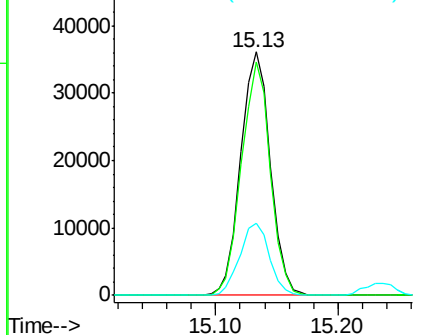


Abundance

Ion 179.80 (179.50 to 180.50): V

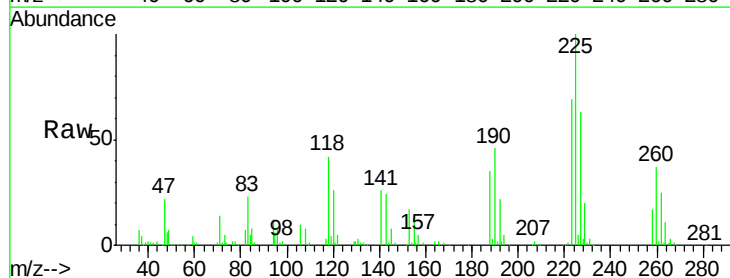
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94  
 Hexachlorobutadiene  
 Concen: 22.097 ug/l  
 RT: 15.24 min Scan# 2187  
 Delta R.T. -0.00 min  
 Lab File: VW012562.D  
 Acq: 03 Sep 2019 23:14

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 39633 |       |       |
| 223     | 65.3  |       | 32.3  | 96.8  |
| 227     | 64.7  |       | 32.9  | 98.6  |

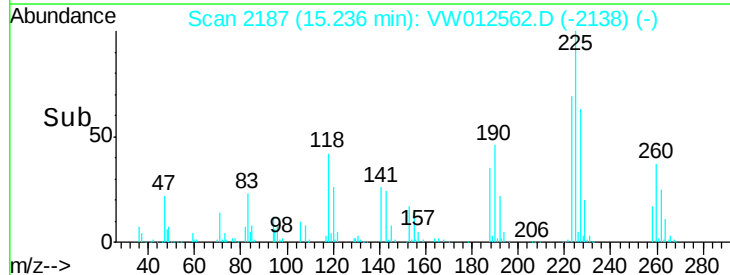
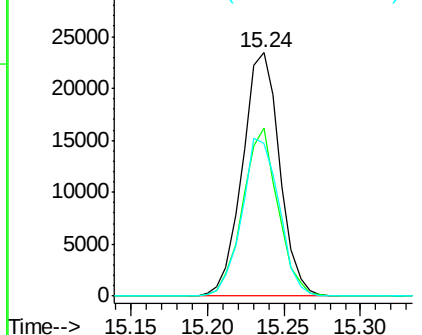


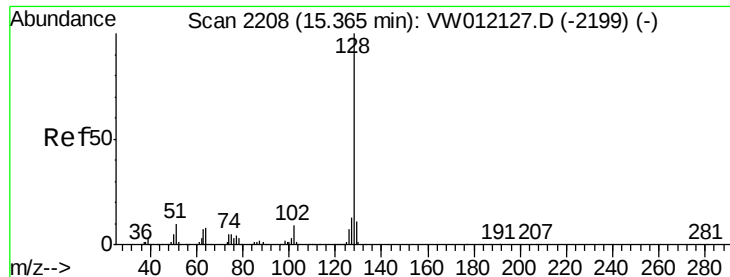
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 23.489 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012562.D

Acq: 03 Sep 2019 23:14

Instrument :

MSVOA\_W

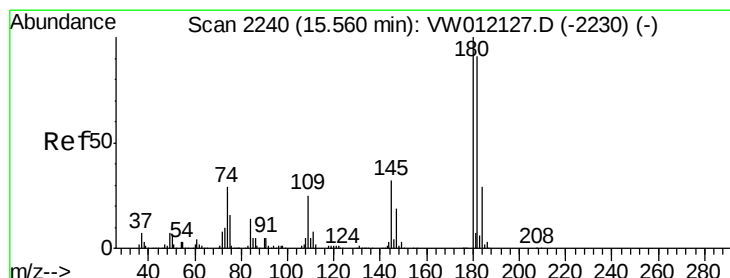
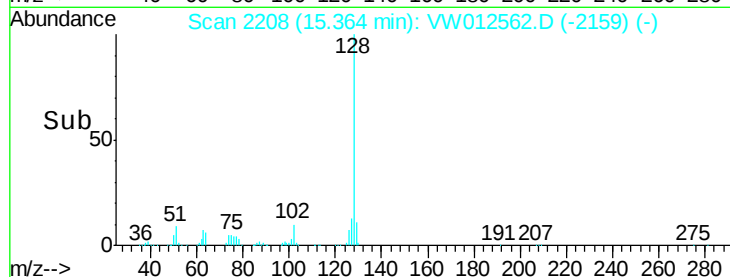
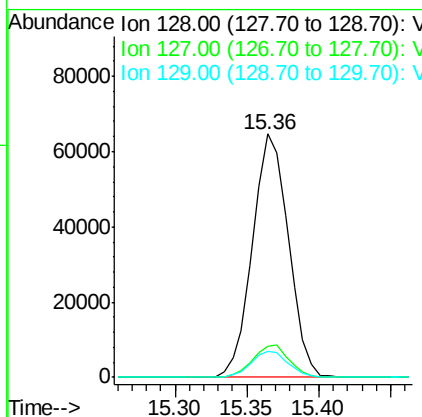
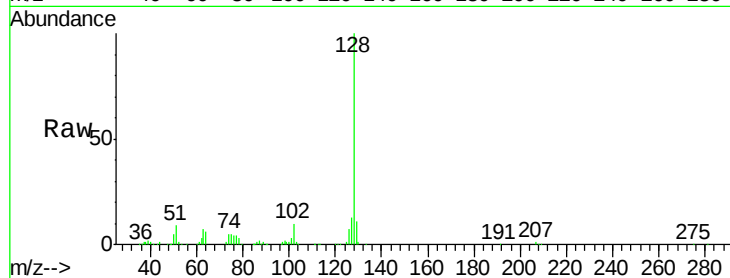
ClientSampleId :

VW0903SBS04

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 111834 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.4  | 10.7  | 16.1   |
| 129       | 11.1  | 8.7   | 13.1   |

Manual Integrations  
APPROVED

MMDadoda  
9/4/2019 9:34:39 AM



#96

1,2,3-Trichlorobenzene

Concen: 22.293 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW012562.D

Acq: 03 Sep 2019 23:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 52832 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 97.9  | 47.1  | 141.3 |
| 145       | 34.0  | 16.2  | 48.5  |

